

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056205.D
 Acq On : 11 Jun 2019 7:16
 Operator : JC/SP
 Sample : K3255-14MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:58:35 AM

Quant Time: Jun 11 09:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	271759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	392125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	358416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	141936	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.59	113	130124	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	10.09	98	479650	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.40	95	161295	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	134700	45.152	ug/l	99
3) Chloromethane	2.06	50	145900	49.527	ug/l	99
4) Vinyl Chloride	2.18	62	144894	49.034	ug/l	99
5) Bromomethane	2.52	94	71013	38.043	ug/l	98
6) Chloroethane	2.67	64	76755	44.800	ug/l	98
7) Trichlorofluoromethane	3.00	101	185290	49.118	ug/l	99
8) Diethyl Ether	3.40	74	72584	46.788	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	111951	48.854	ug/l	98
10) Methyl Iodide	3.93	142	165368	45.411	ug/l	100
11) Tert butyl alcohol	4.82	59	119329	254.124	ug/l	100
12) 1,1-Dichloroethene	3.72	96	112444	49.288	ug/l	96
13) Acrolein	3.60	56	37271	275.210	ug/l	99
14) Allyl chloride	4.31	41	168237	46.701	ug/l	99
15) Acrylonitrile	4.99	53	333247	291.538	ug/l	99
16) Acetone	3.82	43	274800	212.936	ug/l	98
17) Carbon Disulfide	4.03	76	251462	46.035	ug/l	100
18) Methyl Acetate	4.33	43	97417	38.294	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	364881	50.176	ug/l	98
20) Methylene Chloride	4.54	84	136116	51.194	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	120434	49.269	ug/l	97
22) Diisopropyl ether	5.95	45	372174	49.978	ug/l	97
23) Vinyl Acetate	5.89	43	954592	162.780	ug/l	99
24) 1,1-Dichloroethane	5.84	63	218234	50.805	ug/l	99
25) 2-Butanone	6.84	43	433785	266.037	ug/l	99
26) 2,2-Dichloropropane	6.82	77	75098	22.405	ug/l	91
27) cis-1,2-Dichloroethene	6.82	96	143005	49.770	ug/l	93
28) Bromochloromethane	7.19	49	106045	52.204	ug/l	96
29) Tetrahydrofuran	7.21	42	282371	280.156	ug/l	99
30) Chloroform	7.37	83	225114	52.095	ug/l	98
31) Cyclohexane	7.65	56	189914	44.355	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	185010	51.271	ug/l	100
36) 1,1-Dichloropropene	7.79	75	159148	47.201	ug/l	99
37) Ethyl Acetate	6.93	43	114811	38.270	ug/l	99
38) Carbon Tetrachloride	7.77	117	160205	51.537	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	187682	44.684	ug/l	99
40) Benzene	8.04	78	518119	50.594	ug/l	100
41) Methacrylonitrile	7.17	41	81995	59.404	ug/l	97
42) 1,2-Dichloroethane	8.12	62	165032	50.100	ug/l	99
43) Isopropyl Acetate	8.17	43	199595	41.057	ug/l #	92
44) Trichloroethene	8.83	130	179379	60.958	ug/l	97
45) 1,2-Dichloropropane	9.12	63	134599	51.313	ug/l	97
46) Dibromomethane	9.21	93	90621	52.831	ug/l	97
47) Bromodichloromethane	9.40	83	169969	54.673	ug/l	97
48) Methyl methacrylate	9.20	41	128425	53.998	ug/l	97
49) 1,4-Dioxane	9.20	88	57551	1120.850	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	843311	277.396	ug/l	100
52) Toluene	10.15	92	324566	50.933	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	150458	41.698	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	178334	47.723	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	135245	53.579	ug/l	99
56) Ethyl methacrylate	10.43	69	194532	52.826	ug/l	98
57) 1,3-Dichloropropane	10.71	76	216905	52.859	ug/l	99
59) 2-Hexanone	10.75	43	586004	265.955	ug/l	99
60) Dibromochloromethane	10.90	129	145914	52.294	ug/l	99
61) 1,2-Dibromoethane	11.00	107	139624	54.107	ug/l	97
64) Tetrachloroethene	10.63	164	148287	47.796	ug/l	96
65) Chlorobenzene	11.43	112	354836	49.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	134329	54.539	ug/l	99
67) Ethyl Benzene	11.51	91	605920	48.851	ug/l	98
68) m/p-Xylenes	11.62	106	469126	99.008	ug/l	98
69) o-Xylene	11.95	106	231888	49.752	ug/l	99
70) Stvrene	11.96	104	381393	51.502	ug/l	99
71) Bromoform	12.13	173	107850	52.038	ug/l #	100
73) Isopropylbenzene	12.25	105	598325	52.428	ug/l	99
74) N-amyl acetate	12.07	43	133194	31.139	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	185749	49.864	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156910m	53.142	ug/l	
77) Bromobenzene	12.53	156	168302	48.988	ug/l	93
78) n-propylbenzene	12.59	91	630174	46.421	ug/l	99
79) 2-Chlorotoluene	12.67	91	390289	51.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	494502	45.834	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	35229	39.734	ug/l	88
82) 4-Chlorotoluene	12.77	91	375226	47.245	ug/l	100
83) tert-Butylbenzene	12.99	119	443737	53.181	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	485210	47.424	ug/l	99
85) sec-Butylbenzene	13.17	105	556043	46.251	ug/l	99
86) p-Isopropyltoluene	13.29	119	490328	45.572	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	258188	48.557	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246845	48.260	ug/l	99
89) n-Butylbenzene	13.61	91	347893	43.648	ug/l	99
90) Hexachloroethane	13.87	117	83341	51.362	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	263278	49.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30264	56.801	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	121805	41.928	ug/l	99

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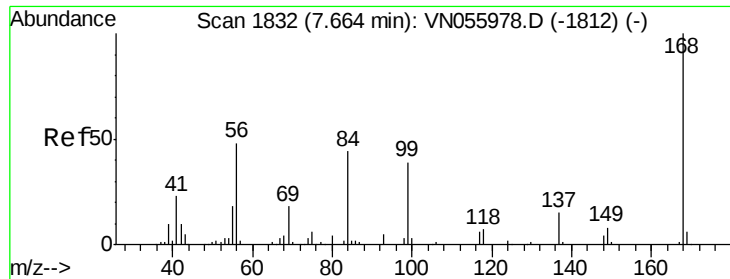
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	93153	50.619	ug/l	99
95) Naphthalene	15.13	128	329174	43.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	138792	46.276	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:168 Resp: 271759

Ion Ratio Lower Upper

168 100

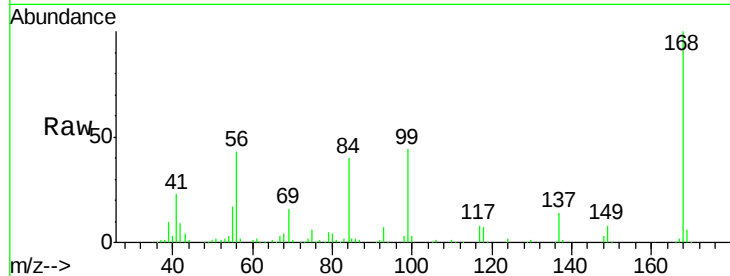
99 43.4 37.2 55.8

Manual Integrations

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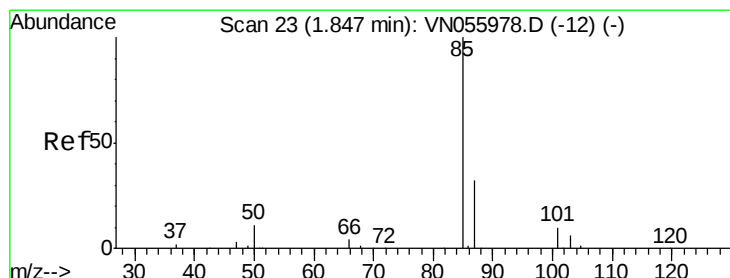
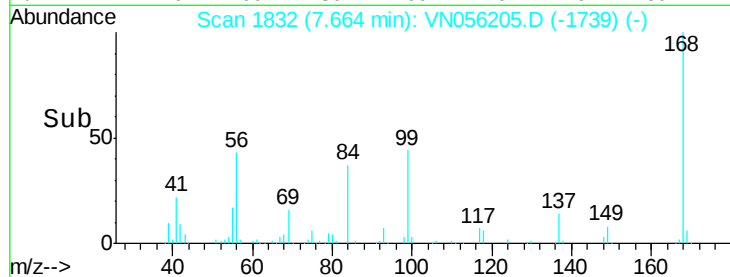
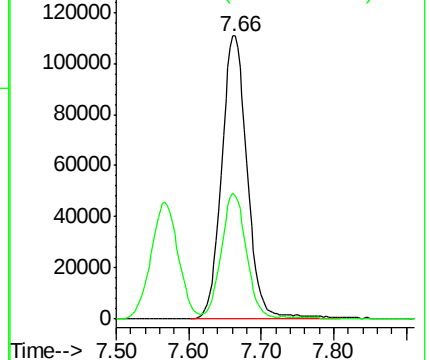
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.152 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056205.D

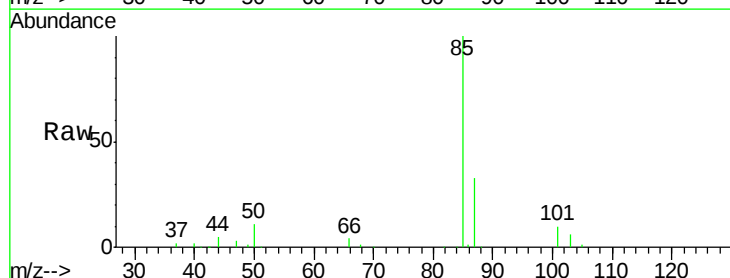
Acq: 11 Jun 2019 7:16

Tgt Ion: 85 Resp: 134700

Ion Ratio Lower Upper

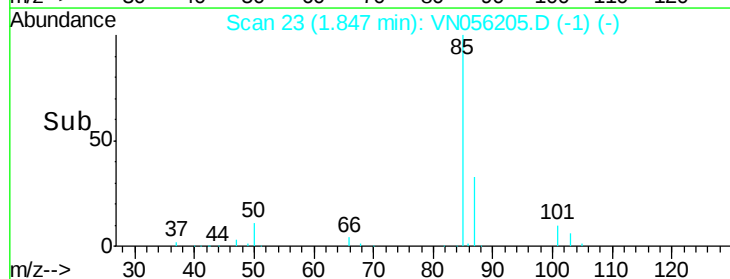
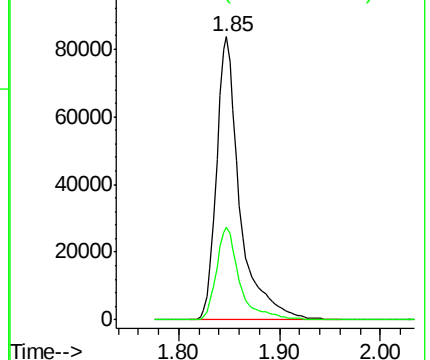
85 100

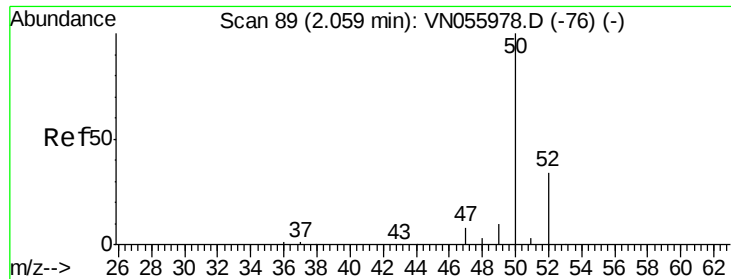
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.527 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 50 Resp: 145900

Ion Ratio Lower Upper

50 100

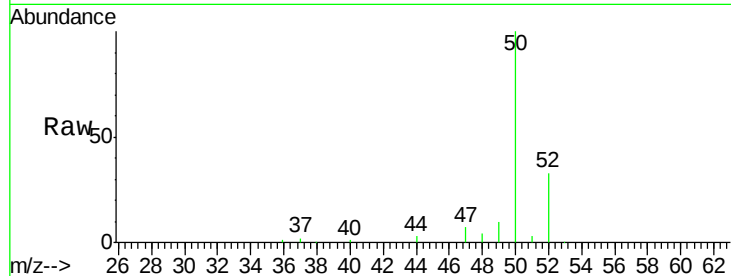
52 32.9 26.6 40.0

Manual Integrations

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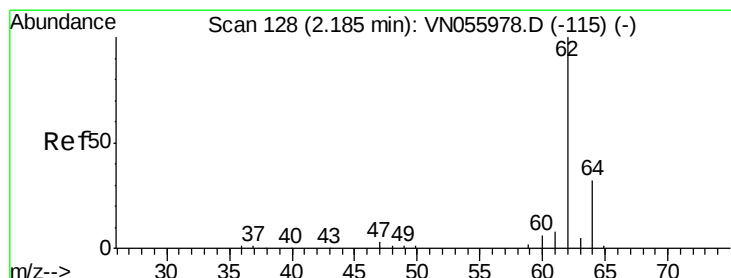
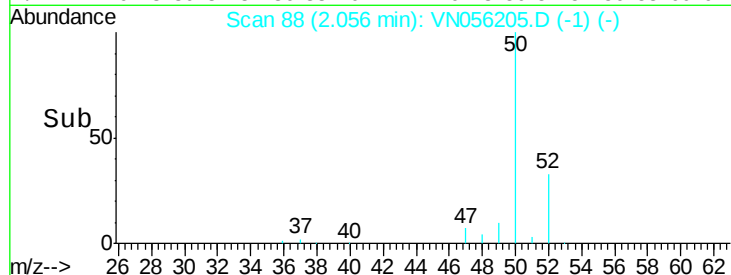
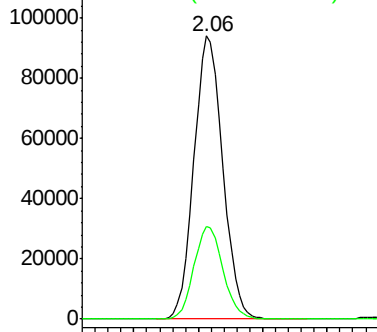
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.034 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056205.D

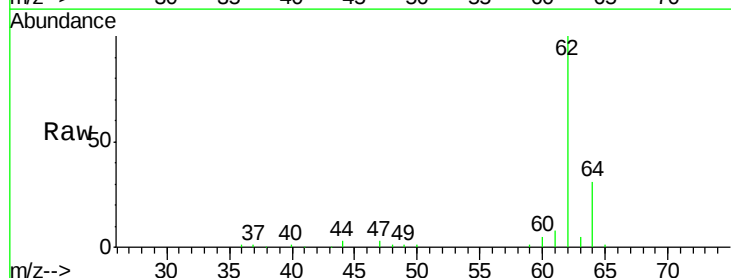
Acq: 11 Jun 2019 7:16

Tgt Ion: 62 Resp: 144894

Ion Ratio Lower Upper

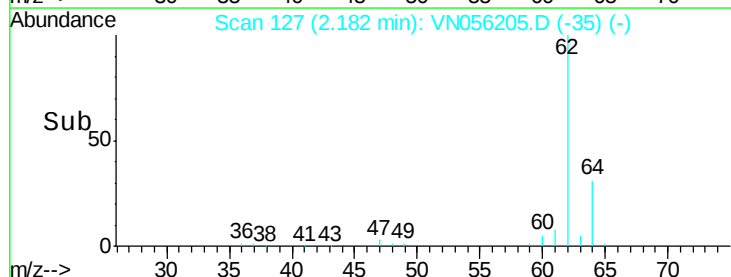
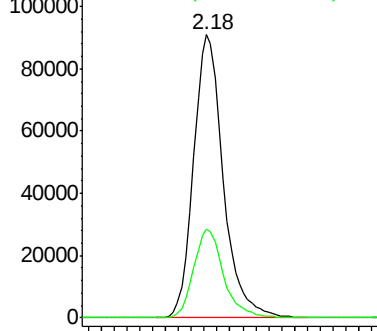
62 100

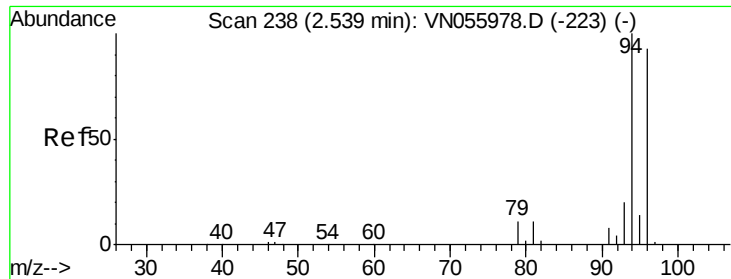
64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 38.043 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 94 Resp: 71013

Ion Ratio Lower Upper

94 100

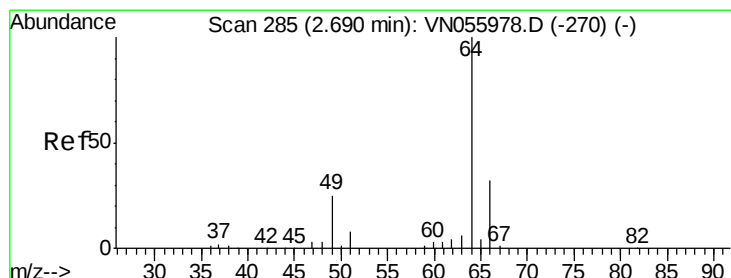
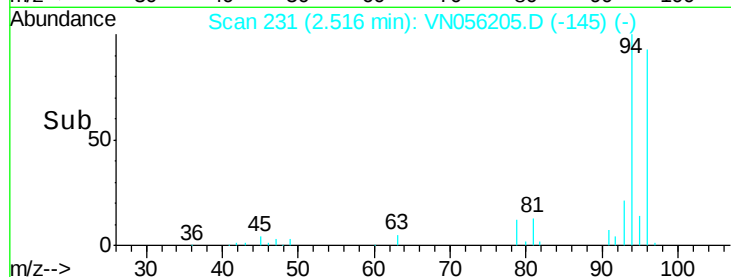
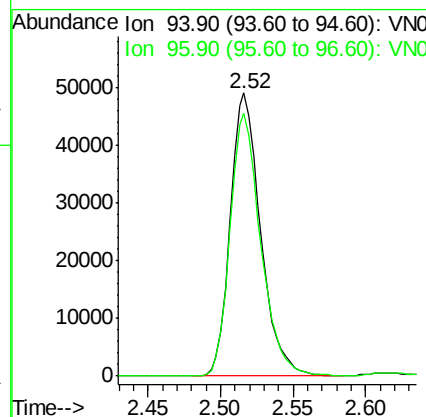
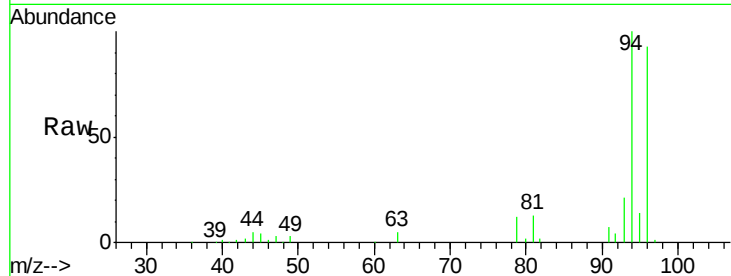
96 92.9 75.5 113.3

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#6

Chloroethane

Concen: 44.800 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN056205.D

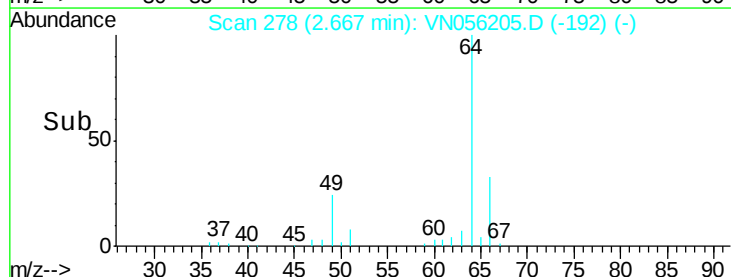
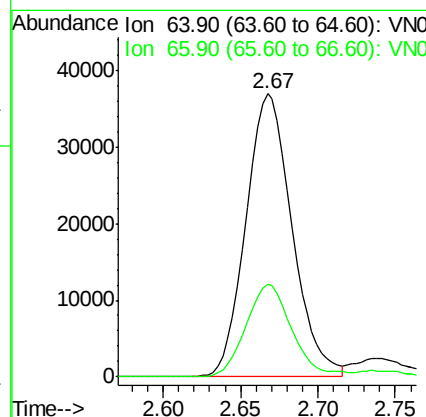
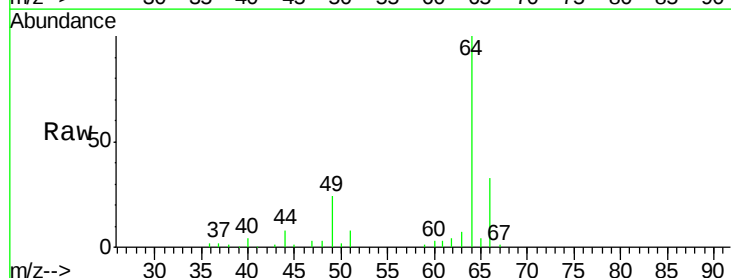
Acq: 11 Jun 2019 7:16

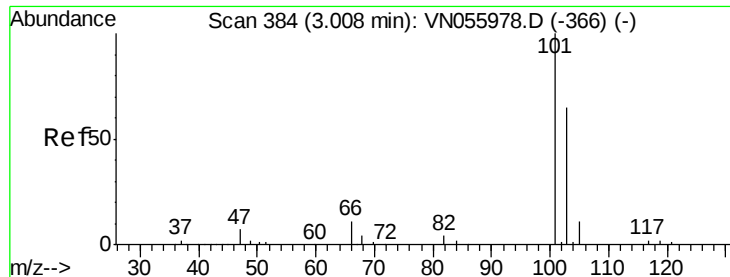
Tgt Ion: 64 Resp: 76755

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0





#7

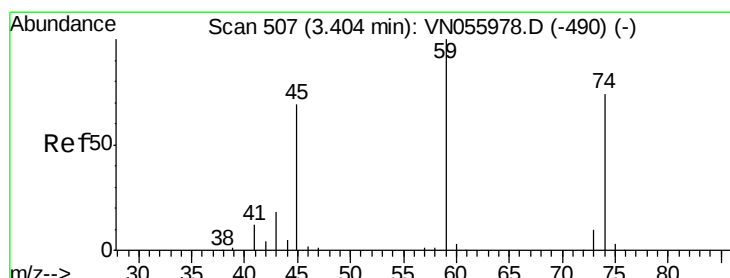
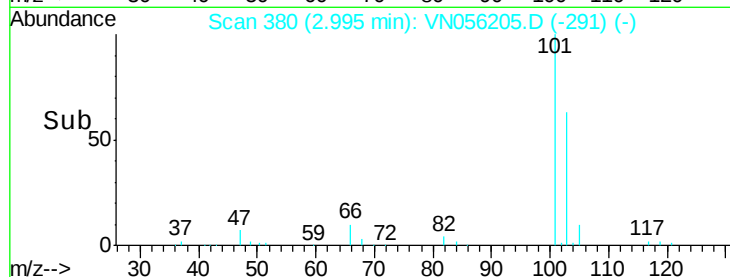
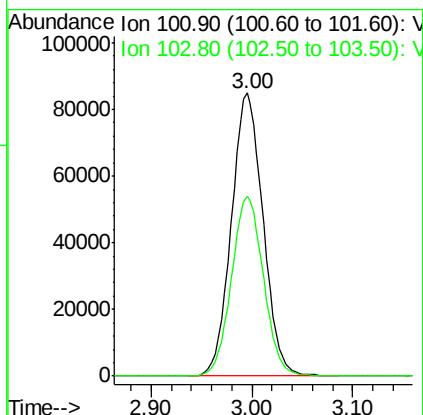
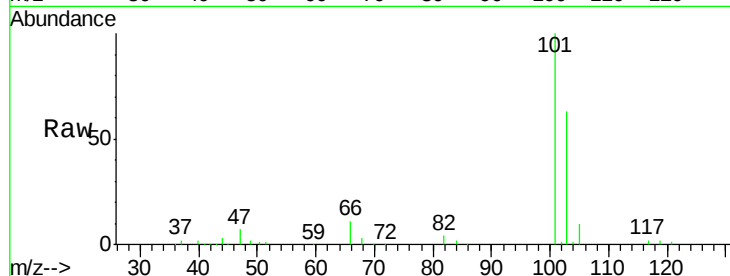
Trichlorofluoromethane
Concen: 49.118 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	185290		
103	63.3	51.2	76.8	

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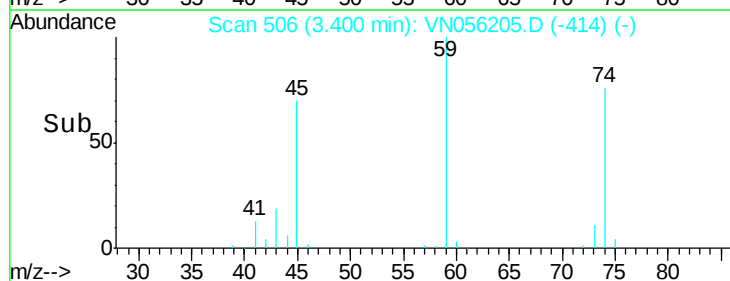
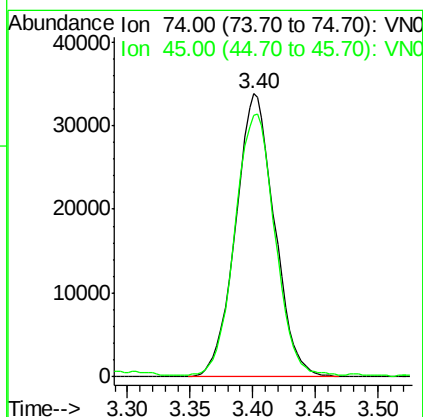
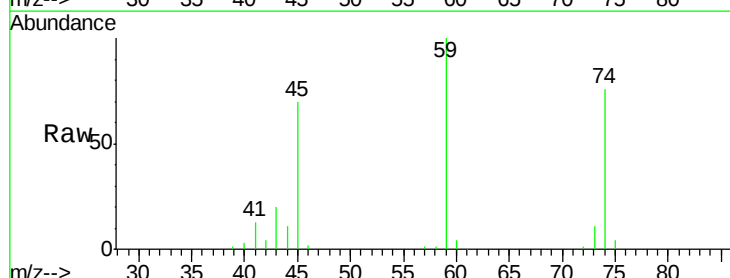
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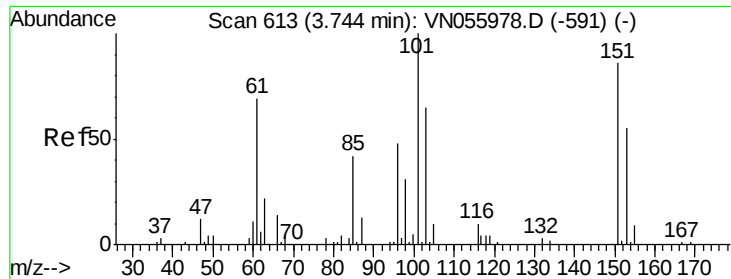


#8

Diethyl Ether
Concen: 46.788 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72584		
45	94.5	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.854 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

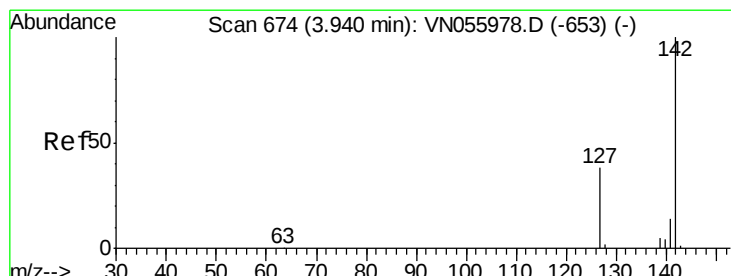
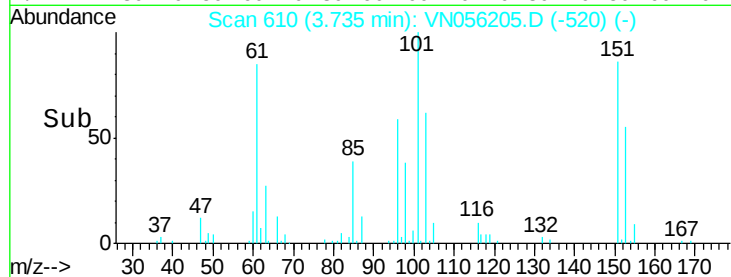
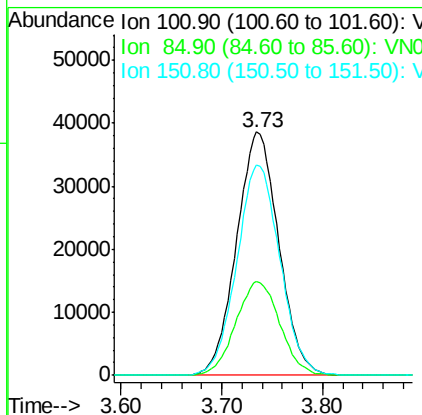
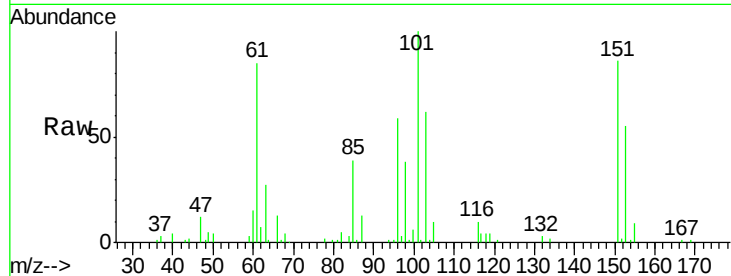
ClientSampleId :

RE123D1-20190605MS

Tot Ion:	101	Resp:	111951
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.4	50.2
151	88.6	69.4	104.2

Manual Integrations
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6/11/2019 11:58:35 AM



#10

Methyl Iodide

Concen: 45.411 ug/l

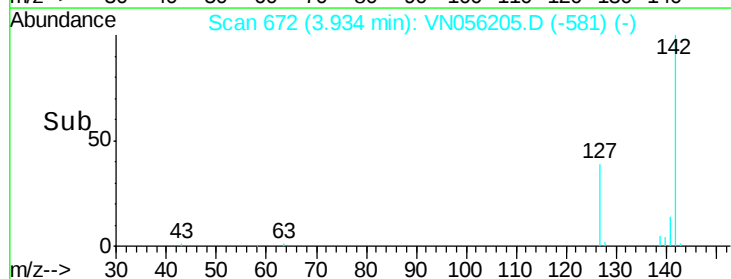
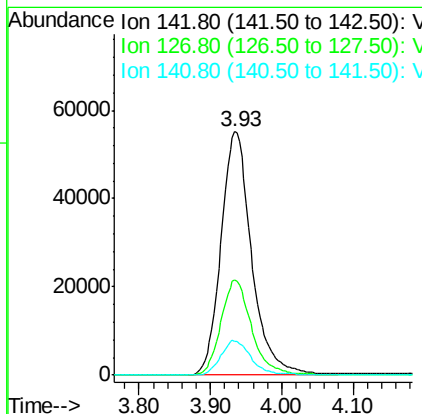
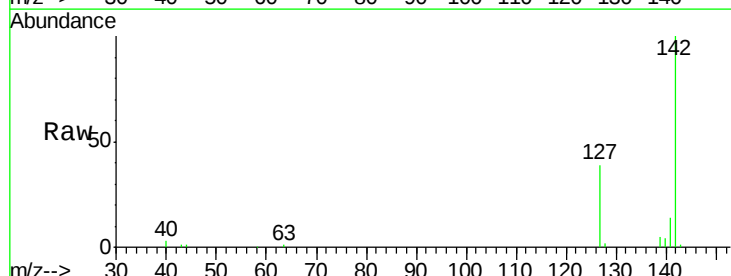
RT: 3.93 min Scan# 672

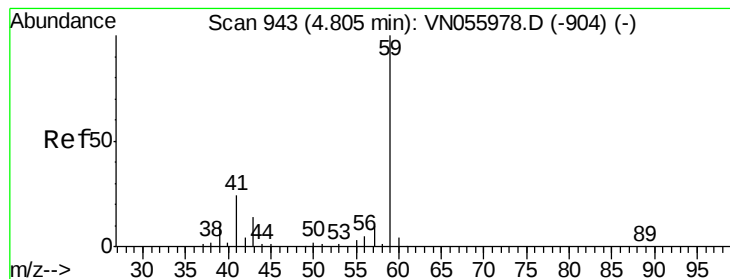
Delta R.T. -0.01 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Tgt Ion:	142	Resp:	165368
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.4
141	14.0	11.4	17.0





#11

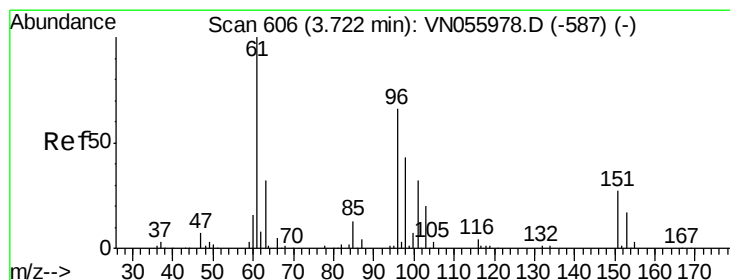
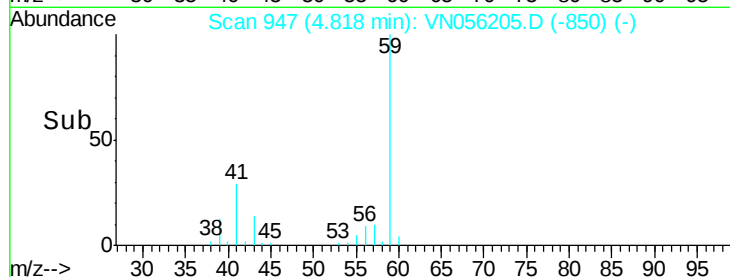
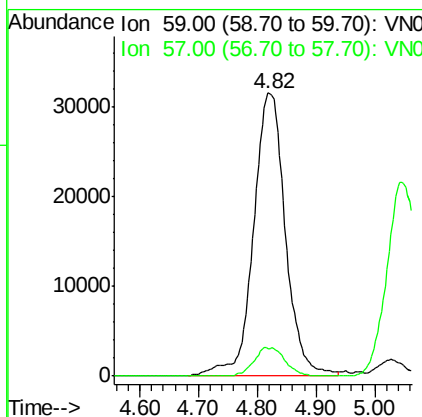
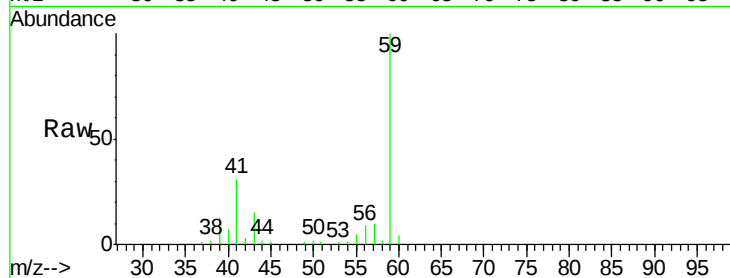
Tert butyl alcohol
Concen: 254.124 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

Manual Integrations
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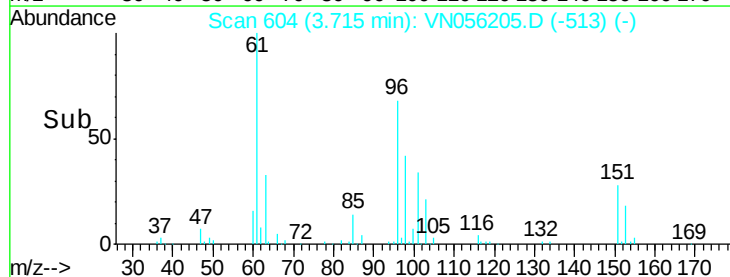
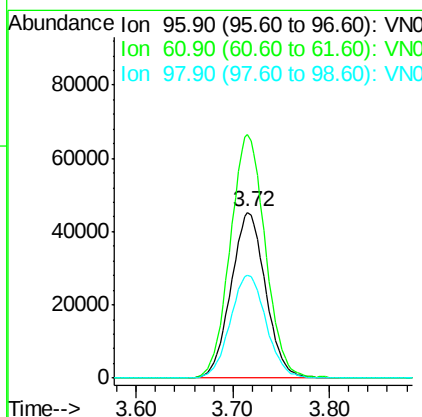
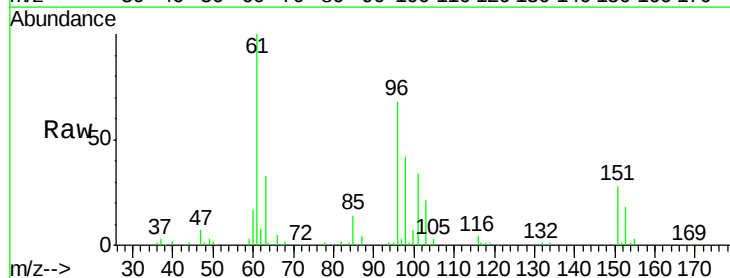
MMDadoda
6/11/2019 11:58:35 AM

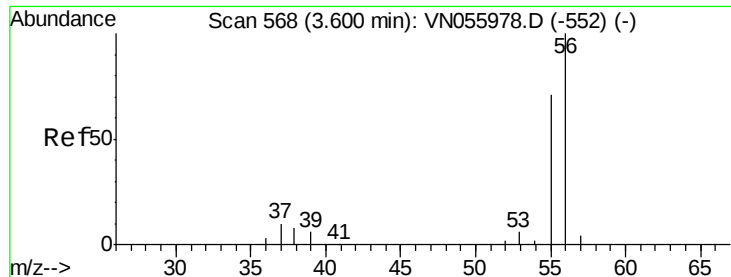


#12

1,1-Dichloroethene
Concen: 49.288 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	123.2	184.8
98	61.9	50.4	75.6





#13

Acrolein

Concen: 275.210 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 56 Resp: 37271

Ion Ratio Lower Upper

56 100

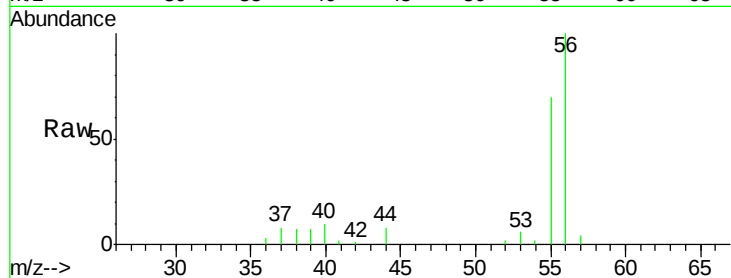
55 68.7 55.4 83.2

Manual Integrations

APPROVED

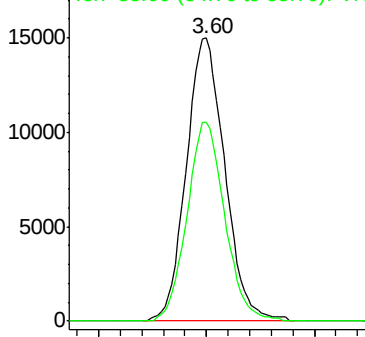
MMDadoda

6/11/2019 11:58:35 AM

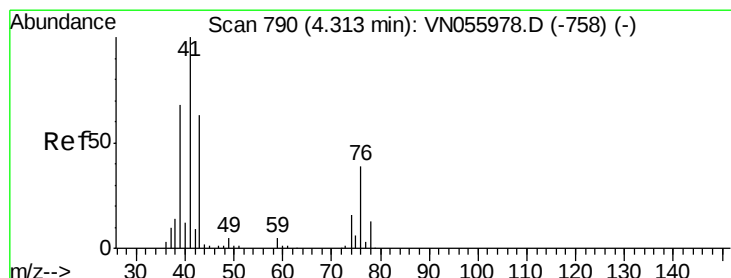
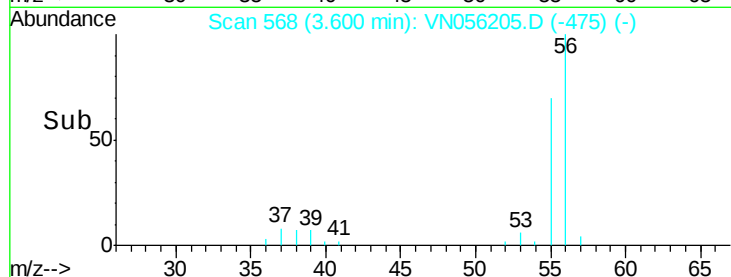


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 46.701 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

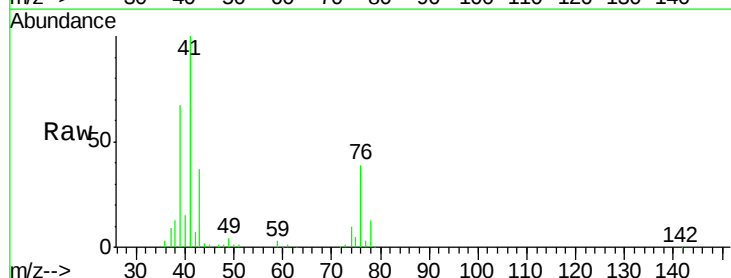
Tgt Ion: 41 Resp: 168237

Ion Ratio Lower Upper

41 100

39 61.7 50.0 75.0

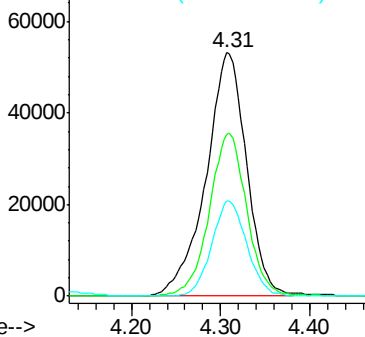
76 33.9 28.2 42.2



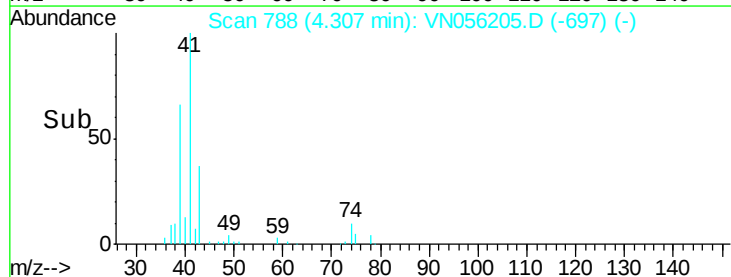
Abundance Ion 41.00 (40.70 to 41.70): VN0

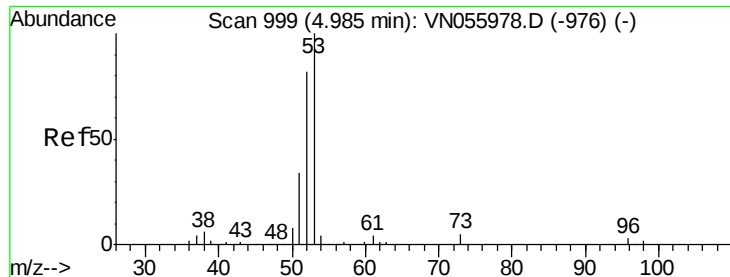
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 291.538 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

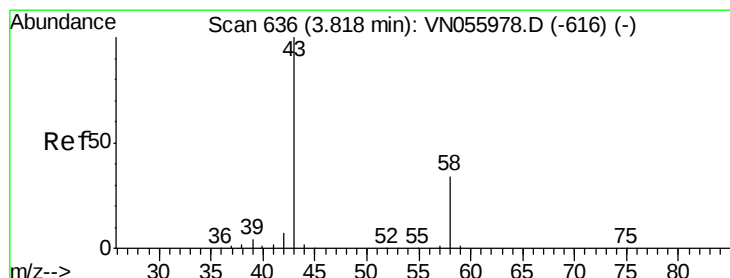
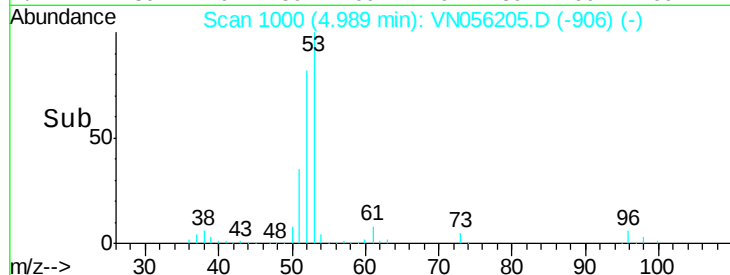
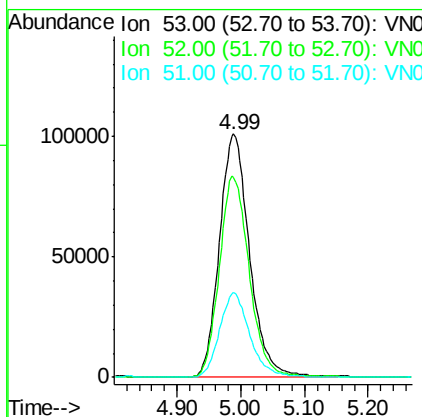
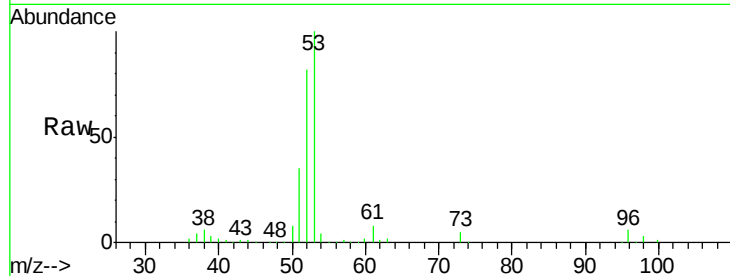
ClientSampleId :

RE123D1-20190605MS

Tot Ion:	53	Resp:	333247
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 212.936 ug/l

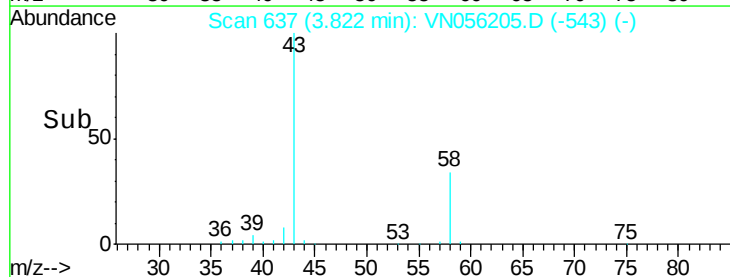
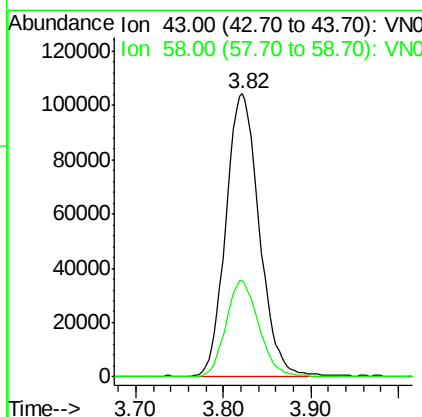
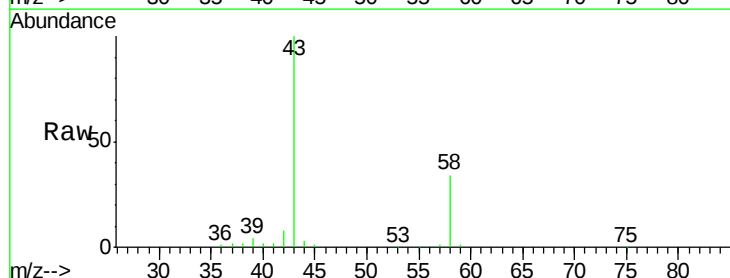
RT: 3.82 min Scan# 637

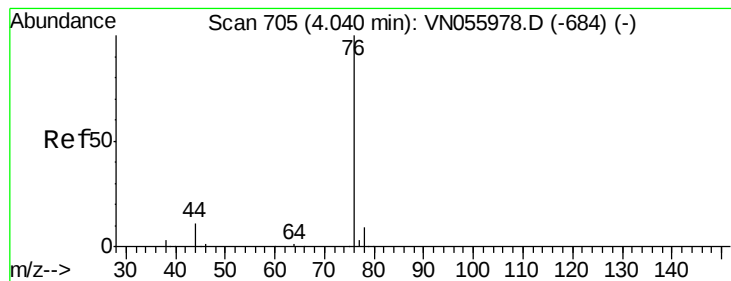
Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Tgt Ion:	43	Resp:	274800
Ion Ratio	Lower	Upper	
43	100		
58	34.4	26.6	39.8





#17

Carbon Disulfide

Concen: 46.035 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 76 Resp: 251462

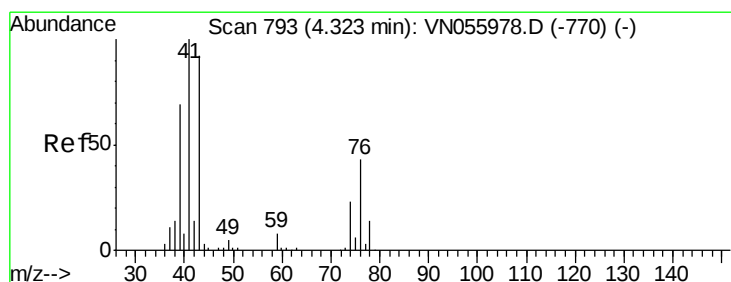
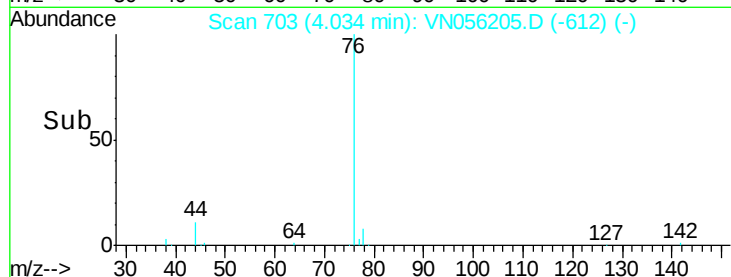
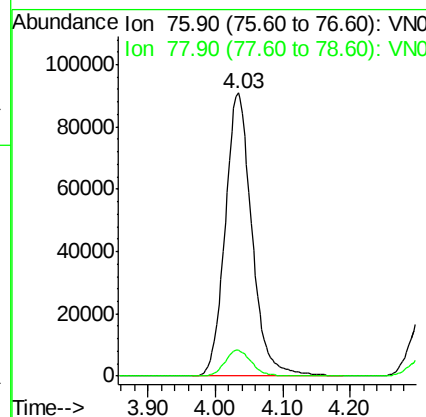
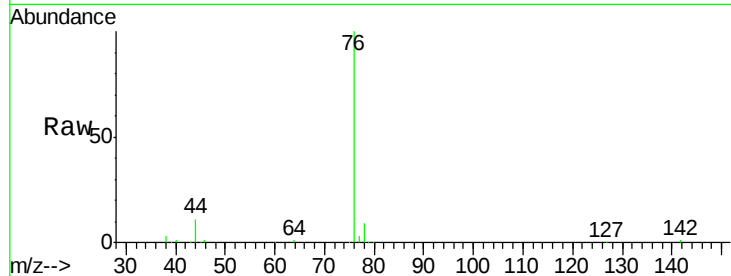
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

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#18

Methyl Acetate

Concen: 38.294 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056205.D

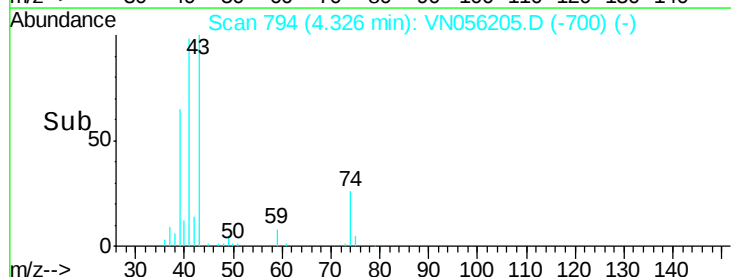
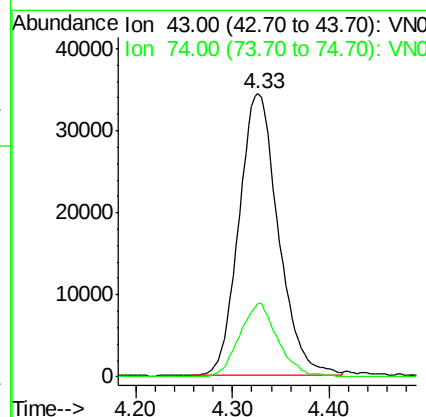
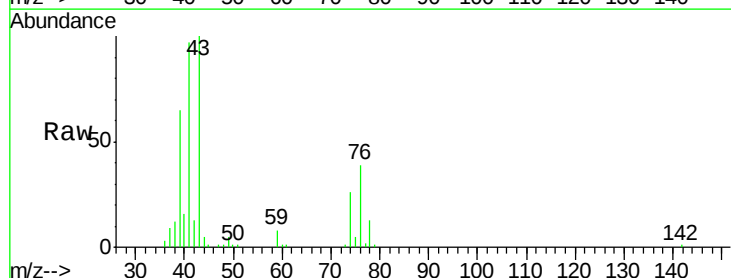
Acq: 11 Jun 2019 7:16

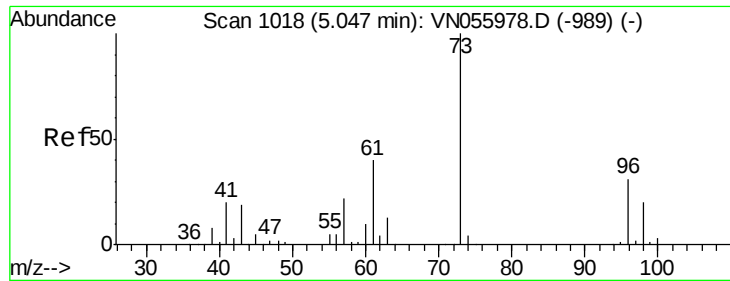
Tgt Ion: 43 Resp: 97417

Ion Ratio Lower Upper

43 100

74 25.3 19.3 28.9





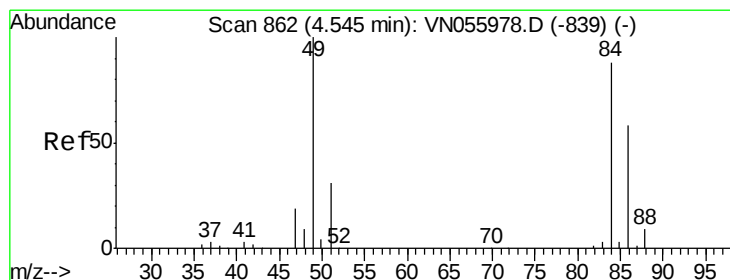
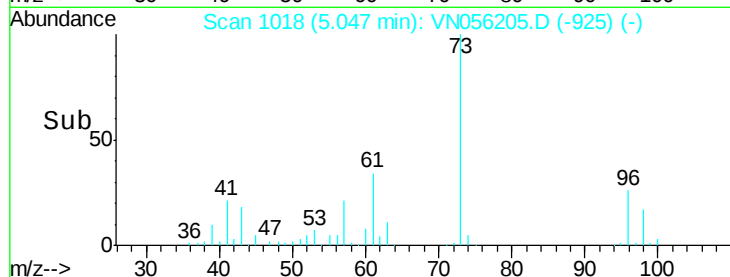
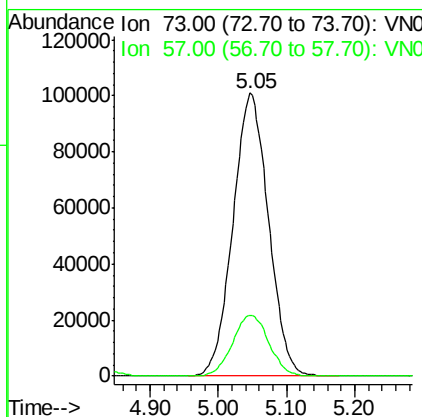
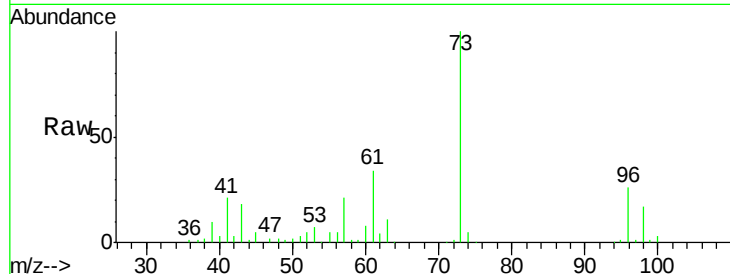
#19
Methvl tert-butvl Ether
Concen: 50.176 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion: 73 Resp: 364881
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

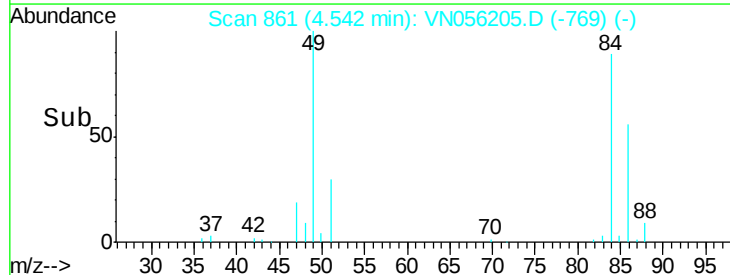
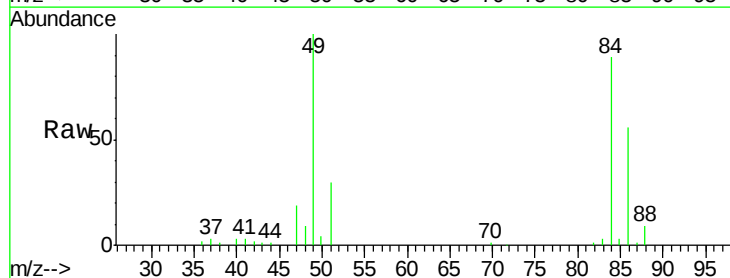
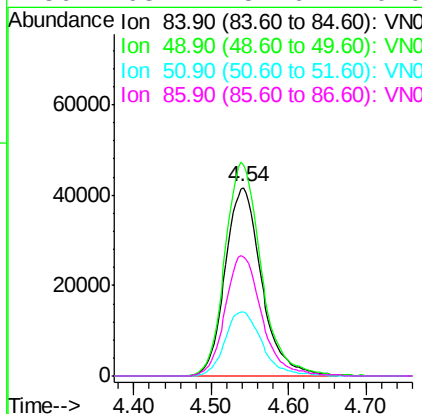
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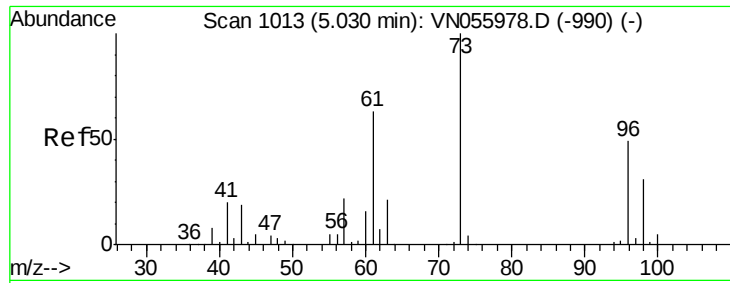
MMDadoda
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#20
Methylene Chloride
Concen: 51.194 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion: 84 Resp: 136116
Ion Ratio Lower Upper
84 100
49 112.2 93.5 140.3
51 34.1 28.6 43.0
86 63.4 52.6 79.0





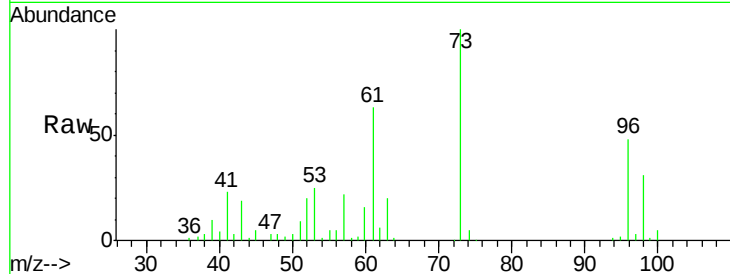
#21
trans-1,2-Dichloroethene
Concen: 49.269 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	107.8	161.8
98	63.1	49.8	74.8

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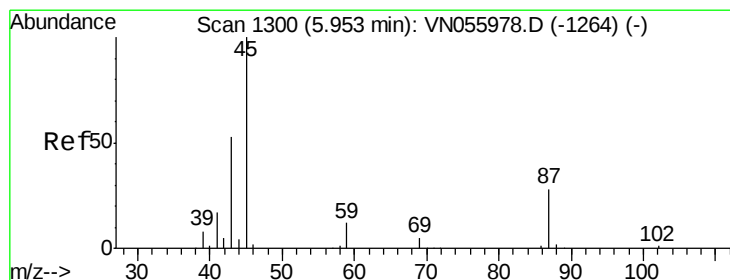
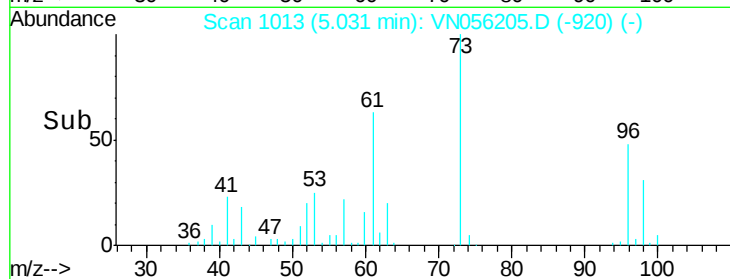
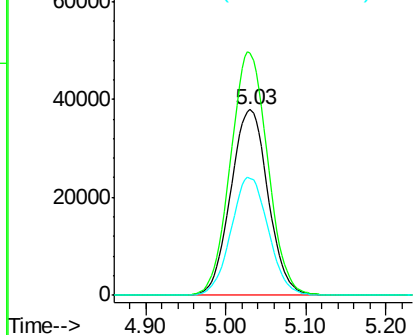


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 49.978 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	45.0	67.6
87	29.4	22.2	33.4
59	11.7	9.1	13.7

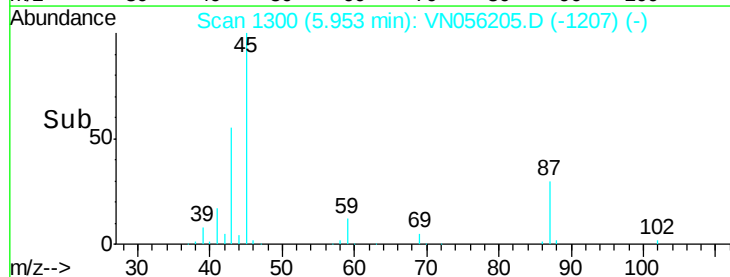
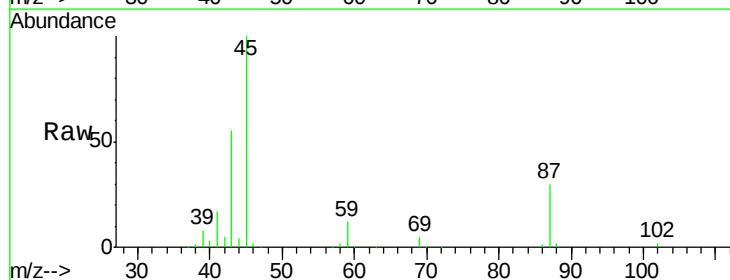
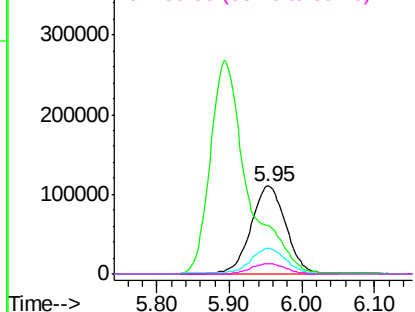
Abundance

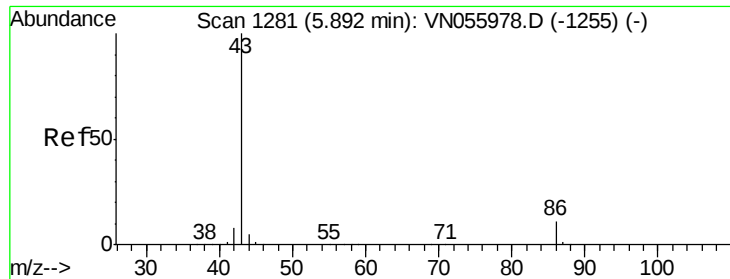
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





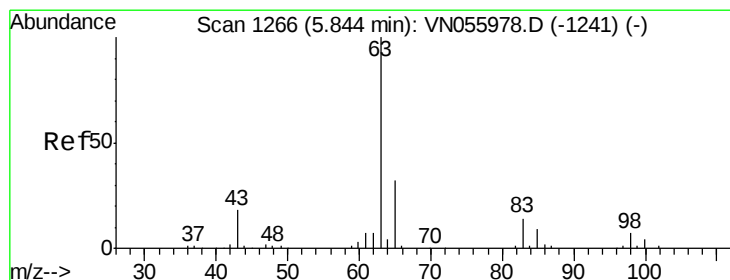
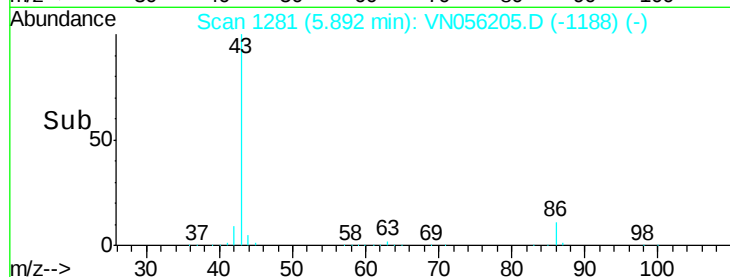
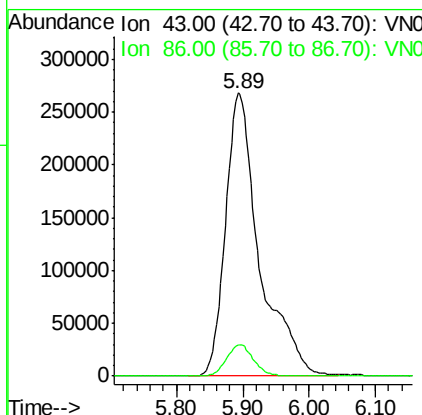
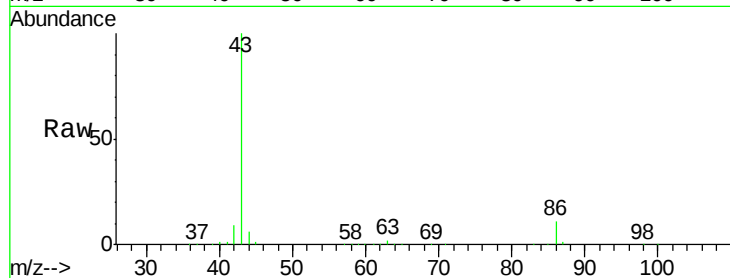
#23
 Vinyl Acetate
 Concen: 162.780 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	43	Resp	954592
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	8.6	13.0

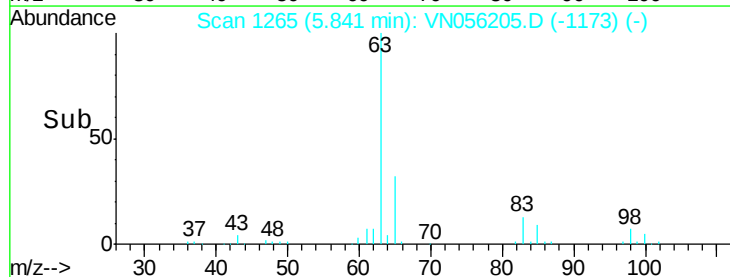
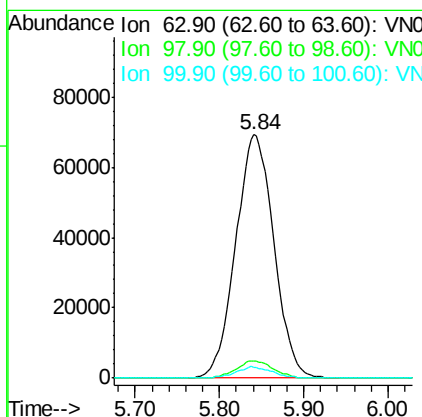
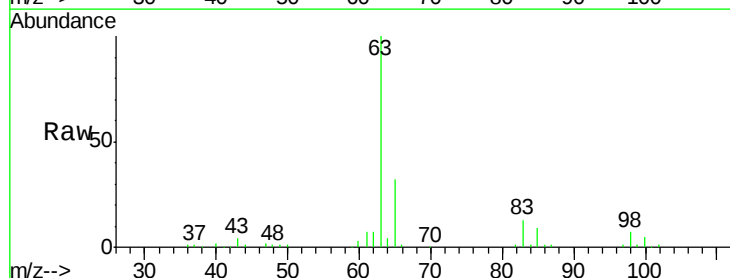
Manual Integrations
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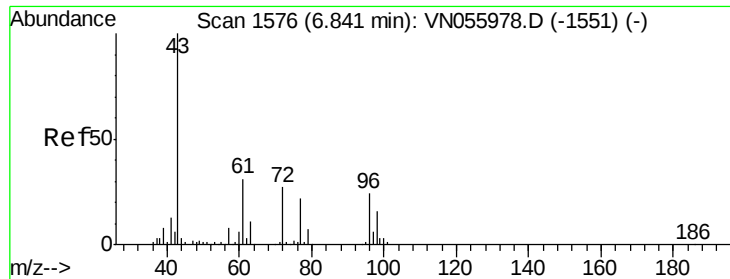
MMDadoda
 6/11/2019 11:58:35 AM



#24
 1,1-Dichloroethane
 Concen: 50.805 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	63	Resp	218234
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.6	2.2	6.6





#25

2-Butanone

Concen: 266.037 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 43 Resp: 433785

Ion Ratio Lower Upper

43 100

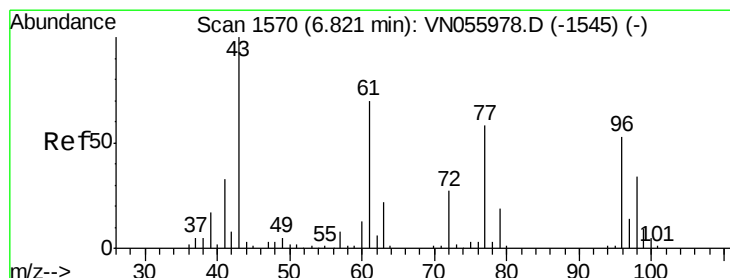
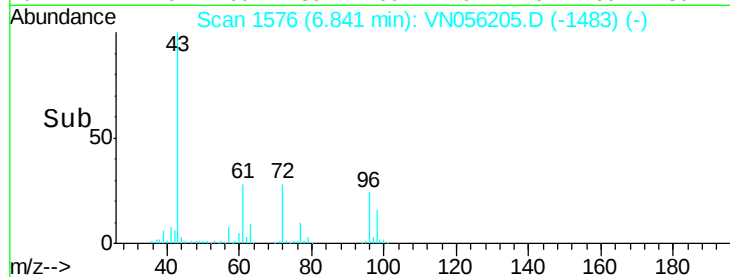
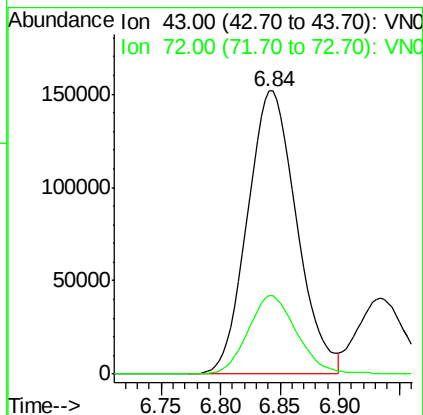
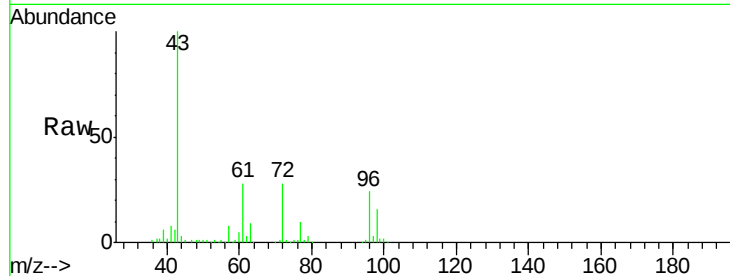
72 27.7 21.9 32.9

Manual Integrations

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6/11/2019 11:58:35 AM



#26

2,2-Dichloropropane

Concen: 22.405 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056205.D

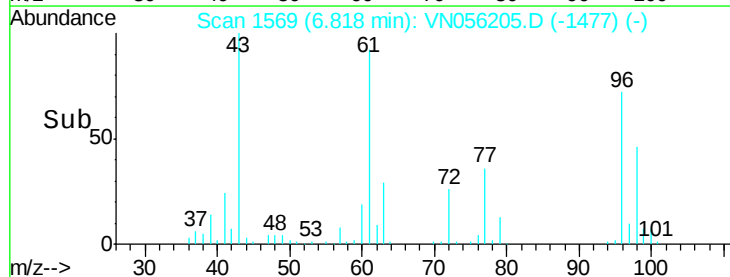
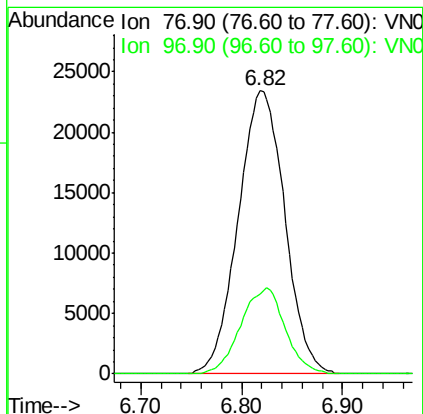
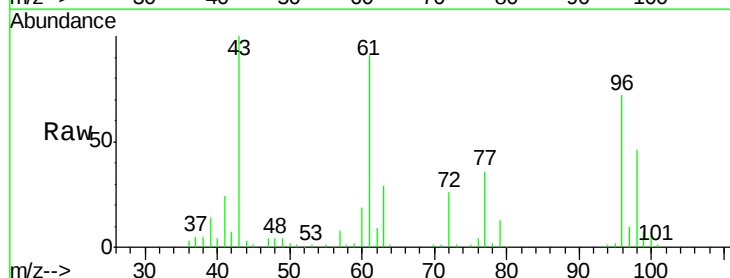
Acq: 11 Jun 2019 7:16

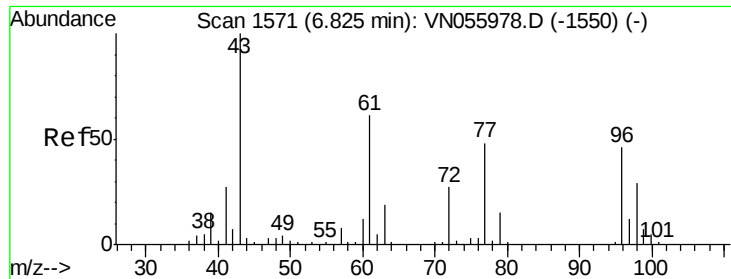
Tgt Ion: 77 Resp: 75098

Ion Ratio Lower Upper

77 100

97 28.9 12.2 36.6





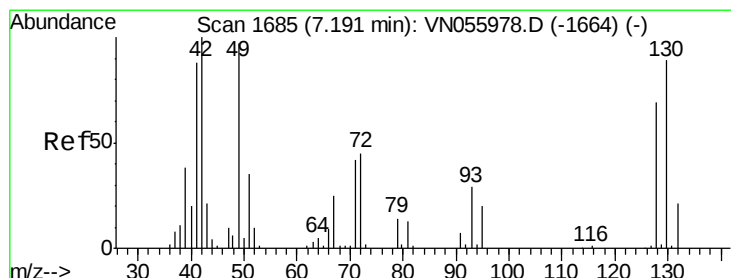
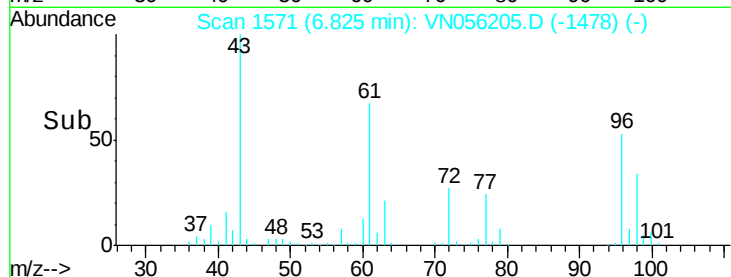
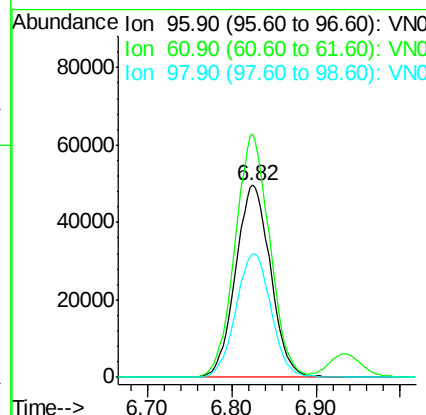
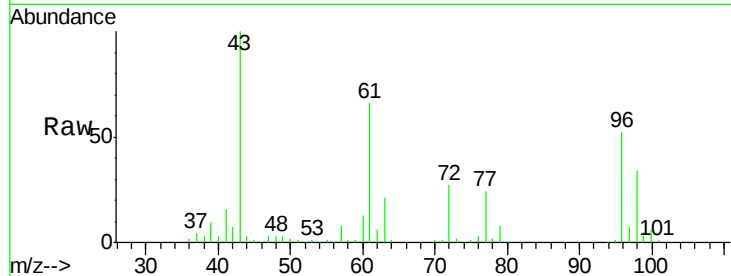
#27
 cis-1,2-Dichloroethene
 Concen: 49.770 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	125.4	0.0	275.8	
98	64.5	0.0	128.4	

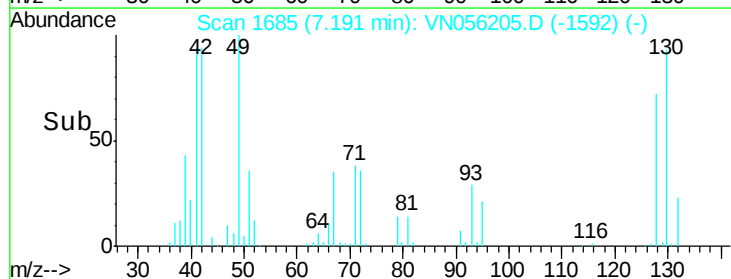
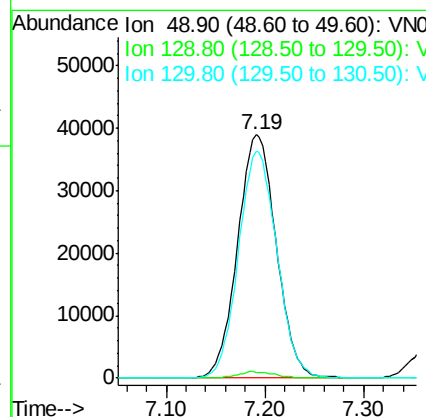
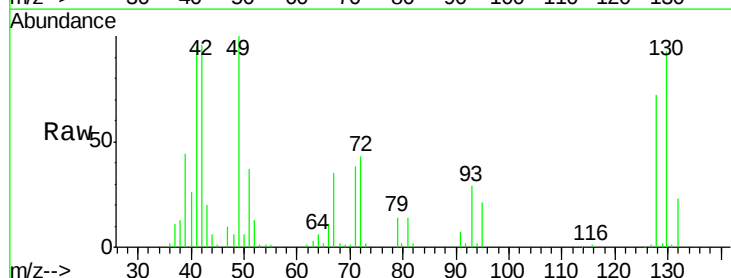
Manual Integrations
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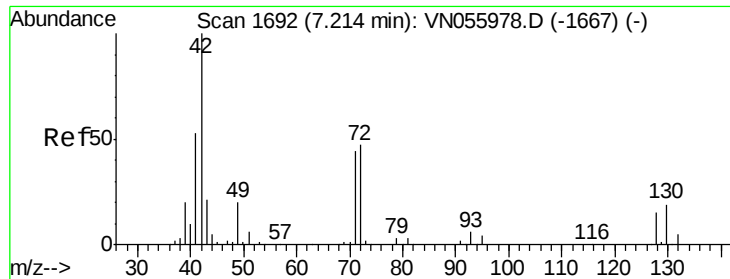
MMDadoda
 6/11/2019 11:58:35 AM



#28
 Bromochloromethane
 Concen: 52.204 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.4	
130	92.4	71.2	106.8	





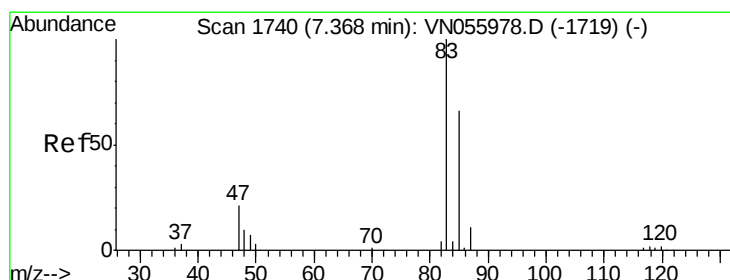
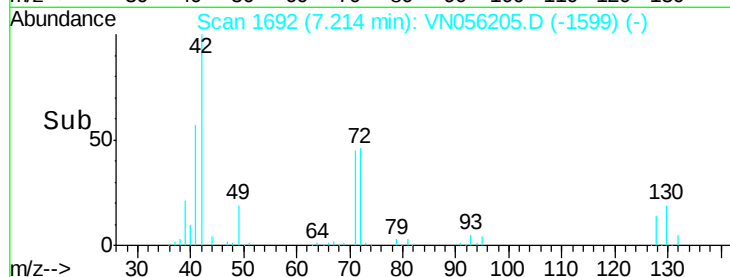
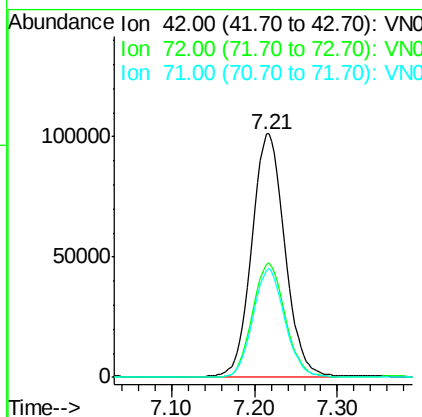
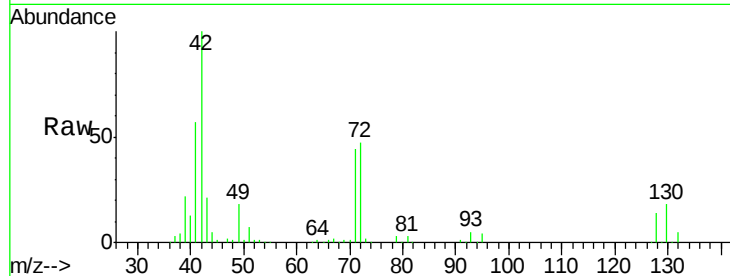
#29
Tetrahydrofuran
Concen: 280.156 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	35.9	53.9
71	42.9	34.0	51.0

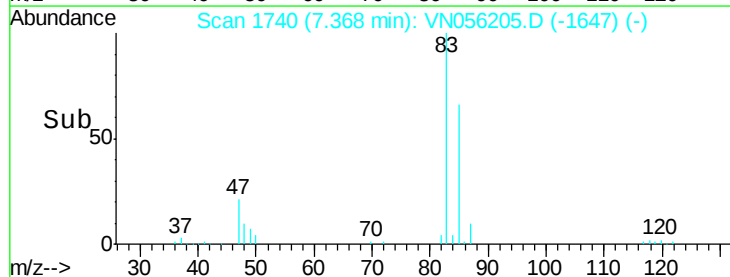
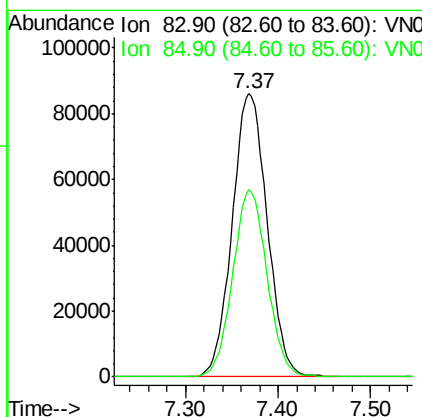
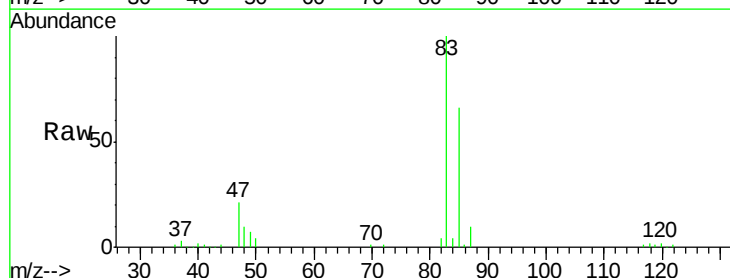
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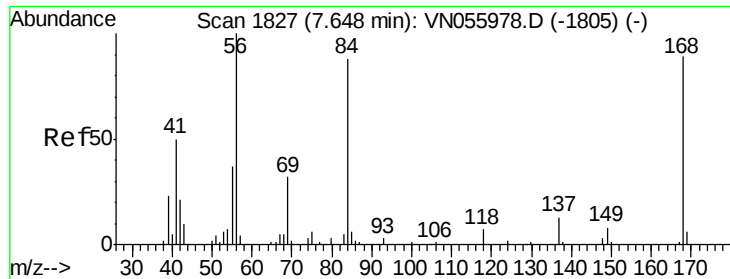
MMDadoda
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#30
Chloroform
Concen: 52.095 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





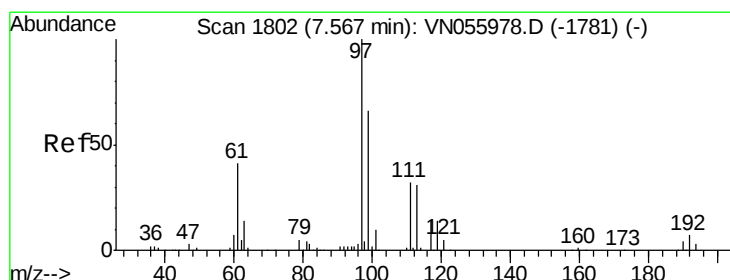
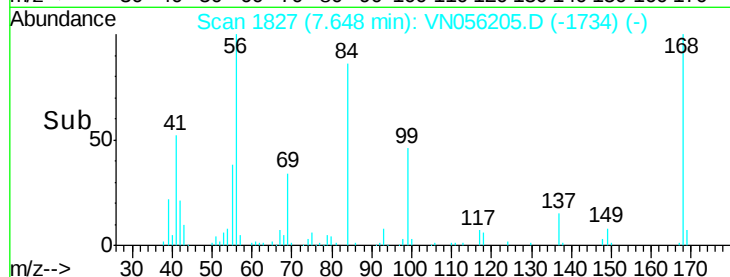
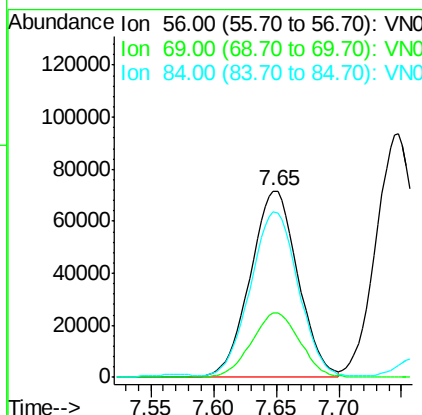
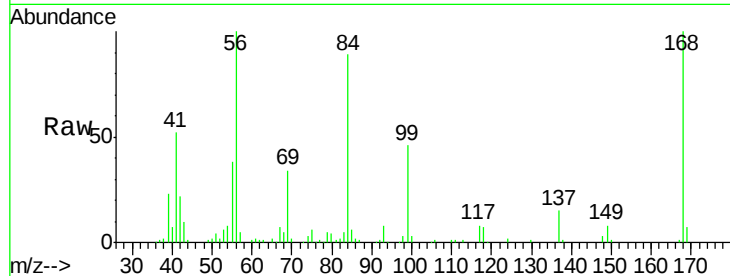
#31
Cyclohexane
Concen: 44.355 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.6	38.4
84	87.4	67.4	101.0

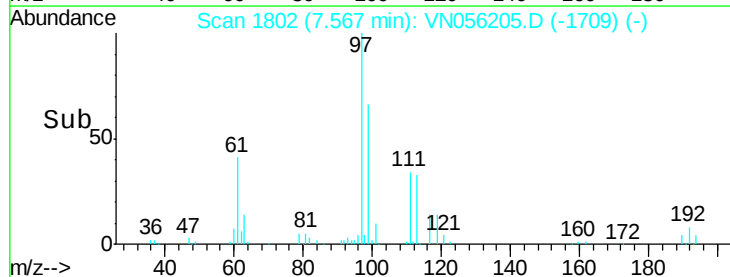
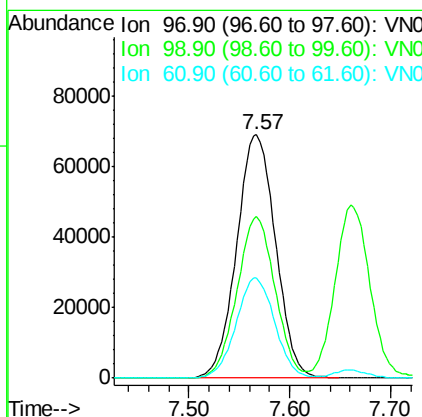
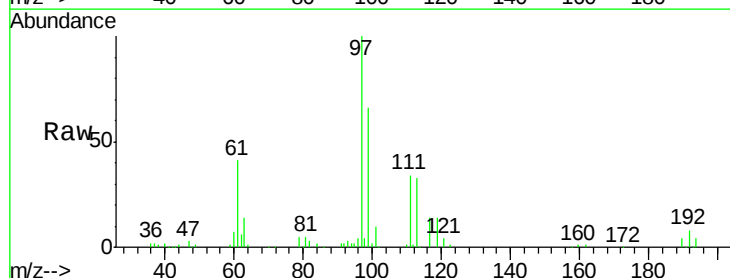
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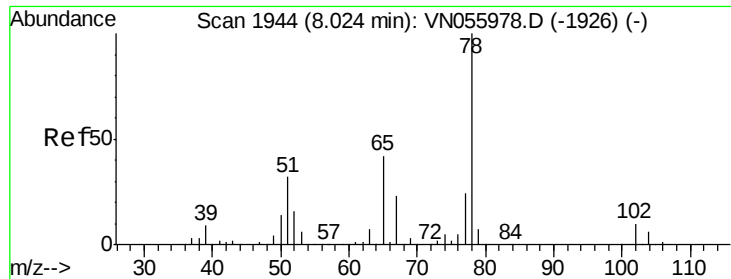
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.271 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	40.9	32.9	49.3





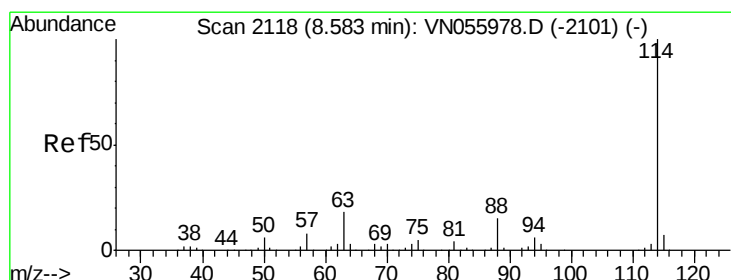
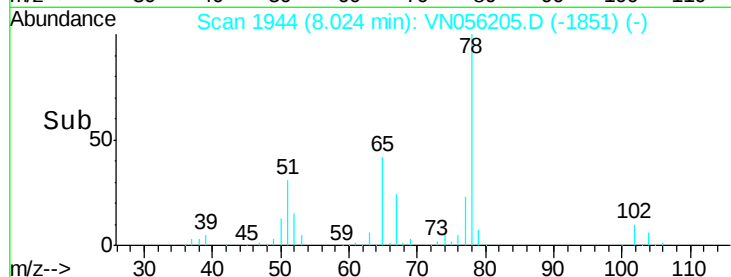
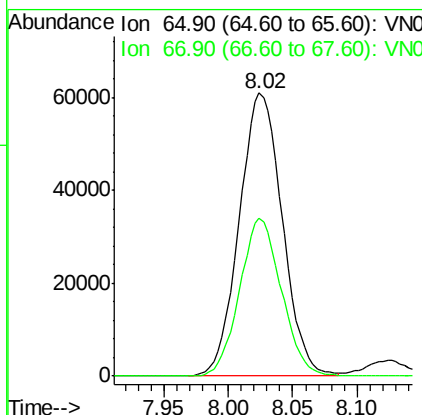
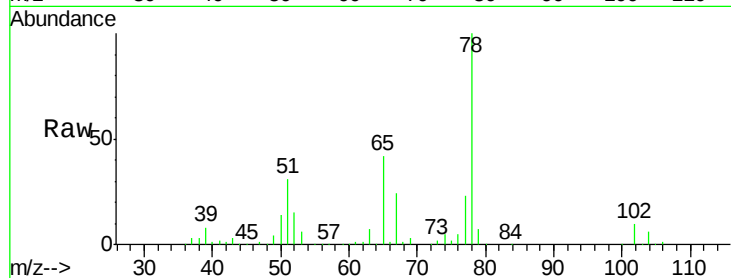
#33
 1,2-Dichloroethane-d4
 Concen: 52.601 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141936		
67	54.2	0.0	109.2	

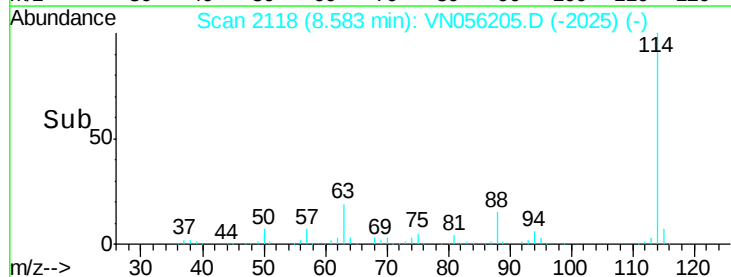
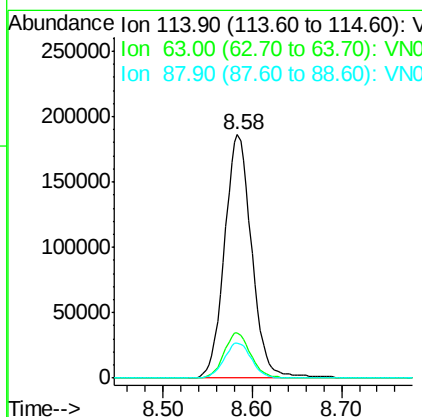
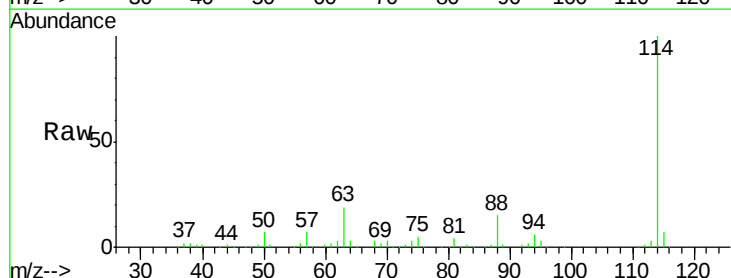
Manual Integrations
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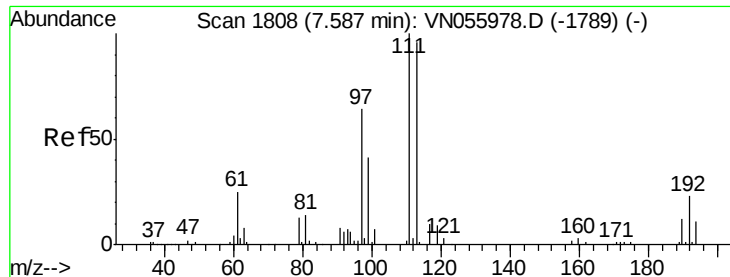
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392125		
63	18.6	0.0	39.2	
88	14.6	0.0	31.0	





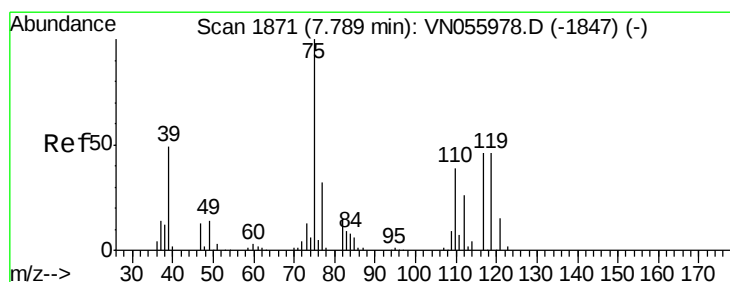
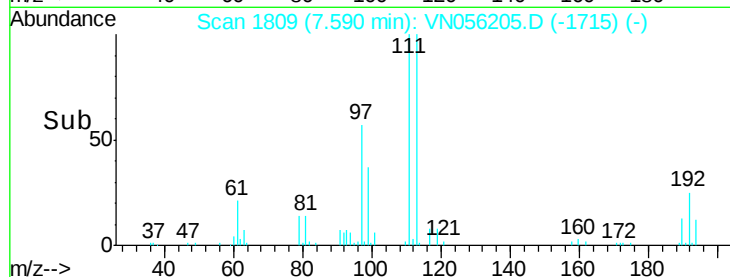
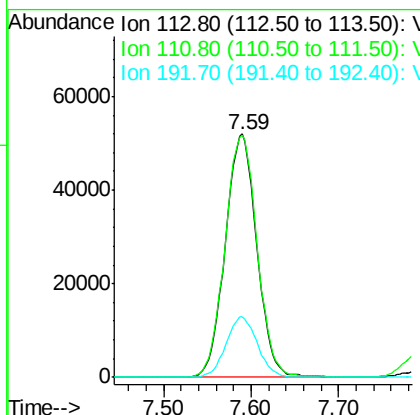
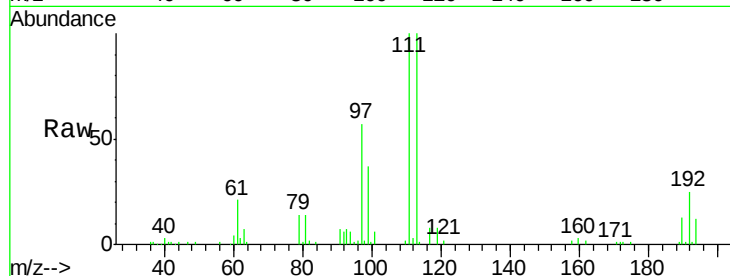
#35
 Dibromofluoromethane
 Concen: 54.087 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	81.9	122.9	
192	24.5	19.5	29.3	

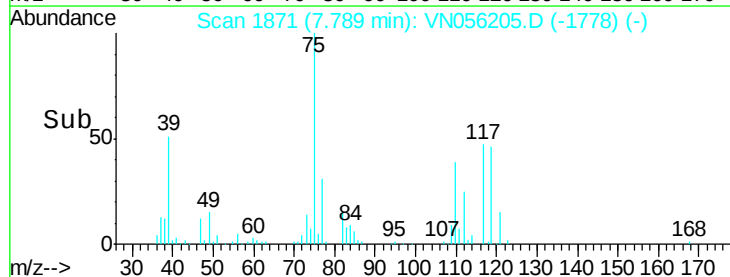
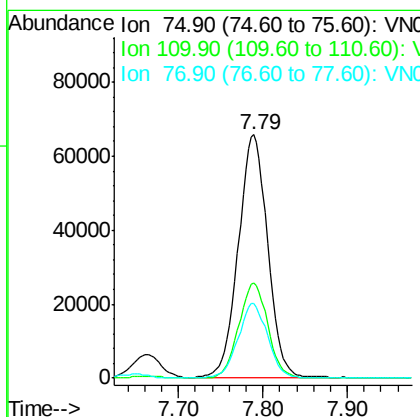
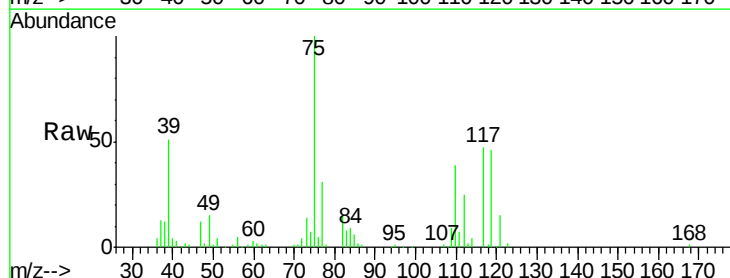
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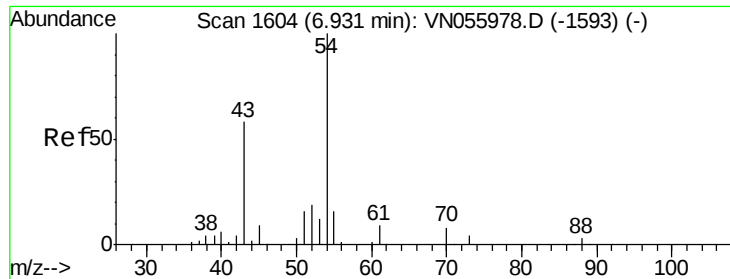
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#36
 1,1-Dichloropropene
 Concen: 47.201 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	19.0	57.0	
77	31.1	25.1	37.7	





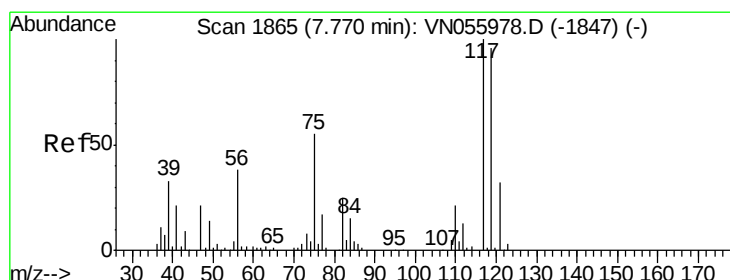
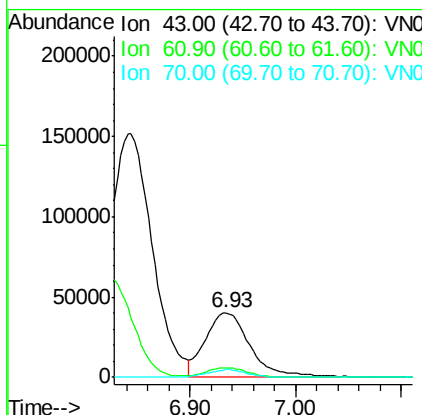
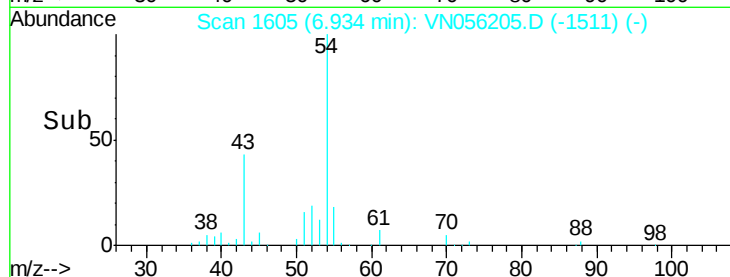
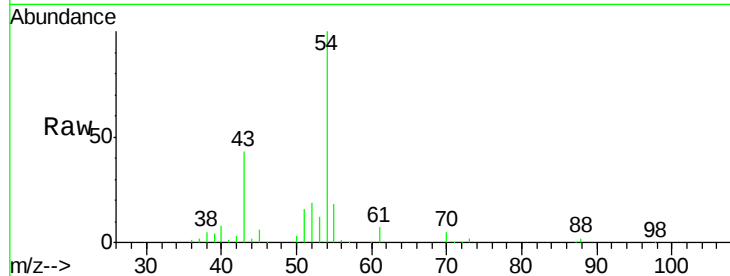
#37
Ethyl Acetate
Concen: 38.270 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	43	61	70	Resp	Lower	Upper
114811	100	14.8	10.8			
		12.2	8.9			
		18.2	13.3			

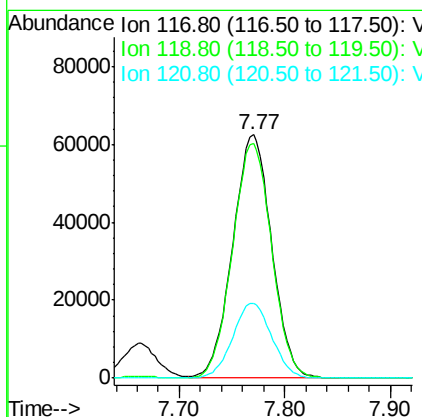
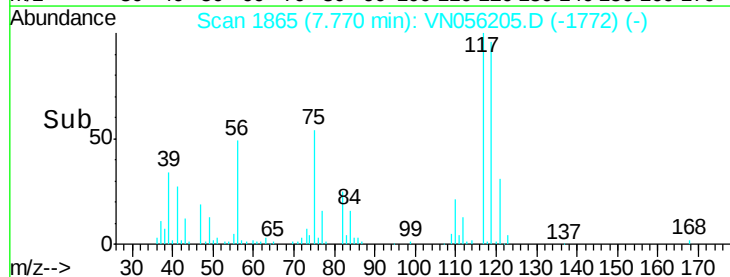
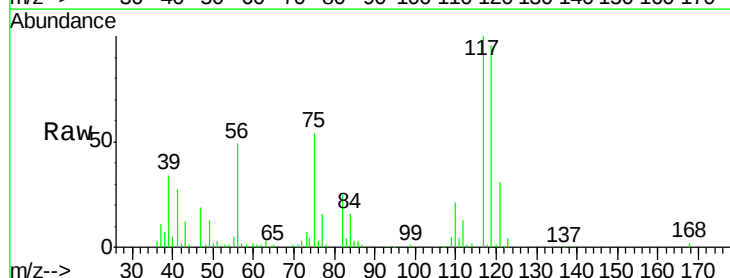
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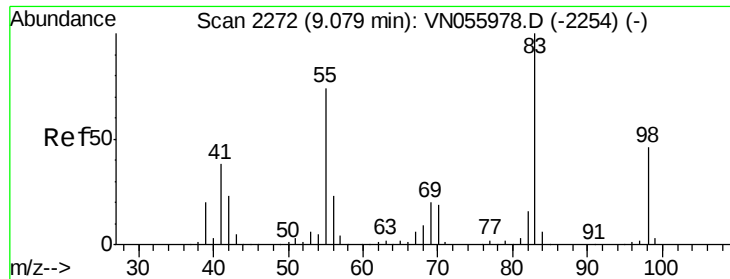
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#38
Carbon Tetrachloride
Concen: 51.537 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	117	119	121	Resp	Lower	Upper
160205	100	96.5	30.8			
		79.0	24.7			
		118.6	37.1			





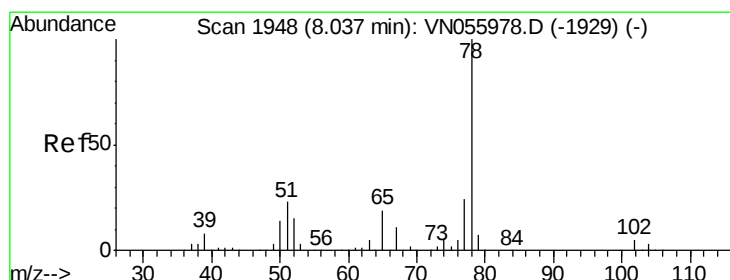
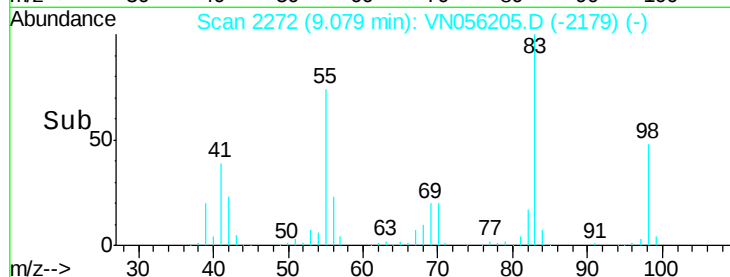
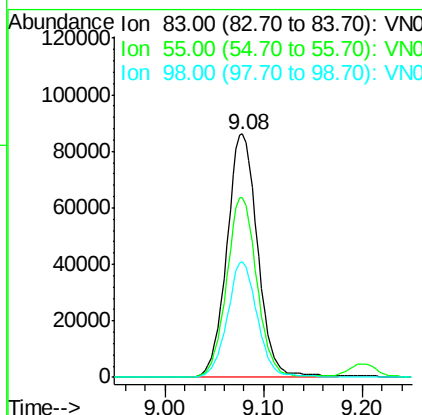
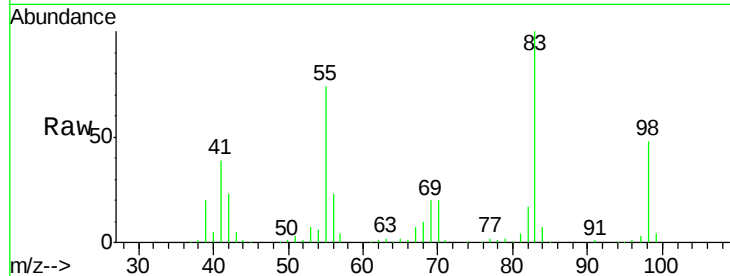
#39
Methvlcvclohexane
Concen: 44.684 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.3	88.9
98	47.6	36.6	54.8

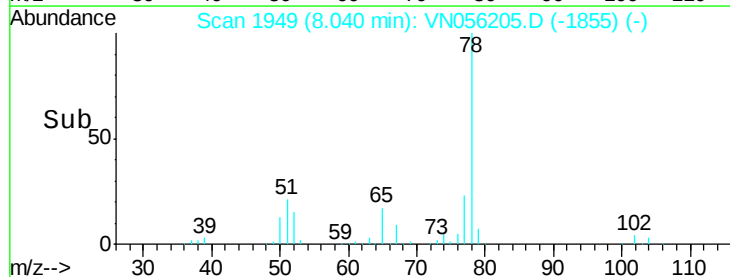
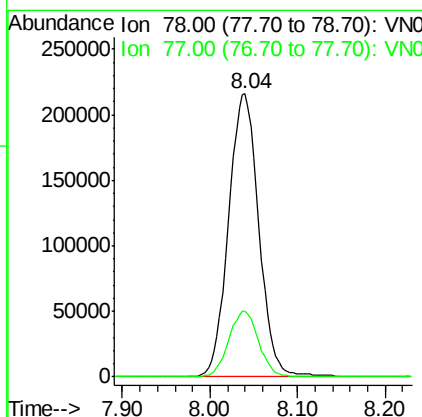
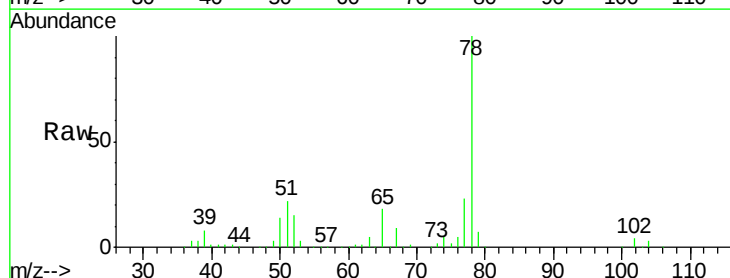
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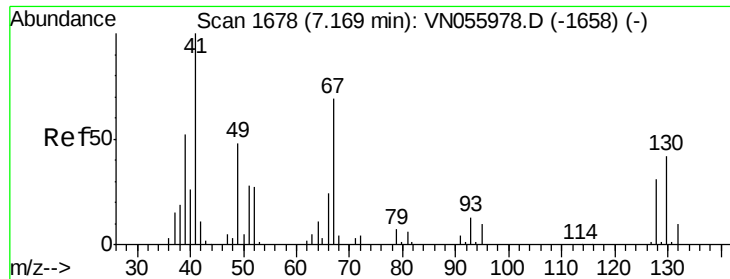
MMDadoda
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#40
Benzene
Concen: 50.594 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





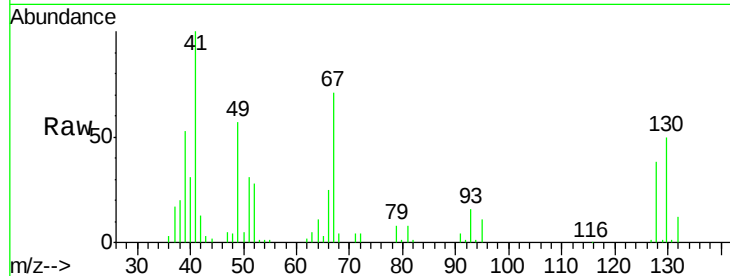
#41
Methacrylonitrile
Concen: 59.404 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

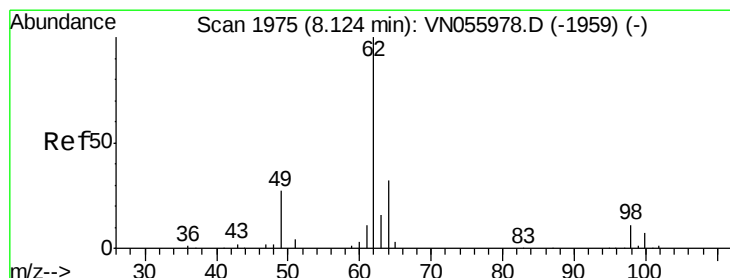
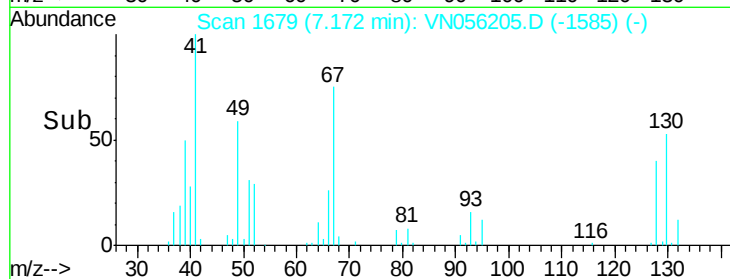
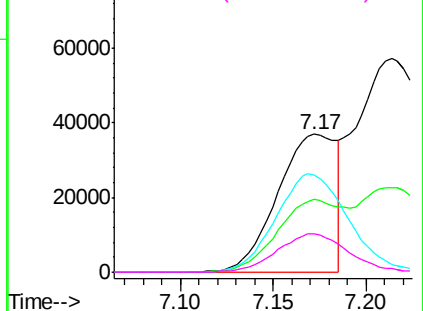
Tot Ion:	41	Resp:	81995
Ion	Ratio	Lower	Upper
41	100		
39	60.2	45.6	68.4
67	87.6	67.7	101.5
52	33.9	26.6	40.0

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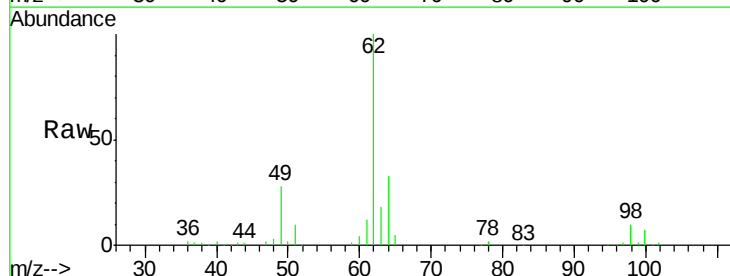


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-1658) (-)

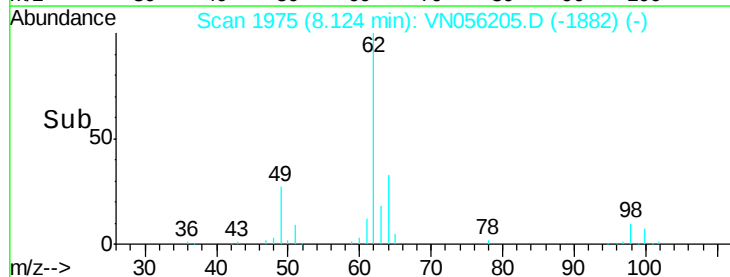
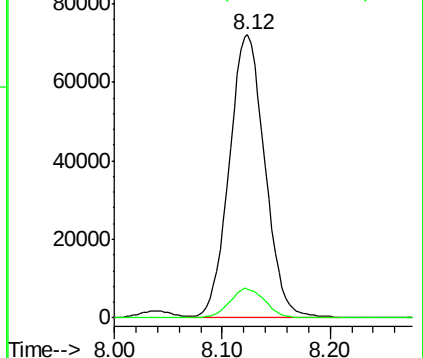


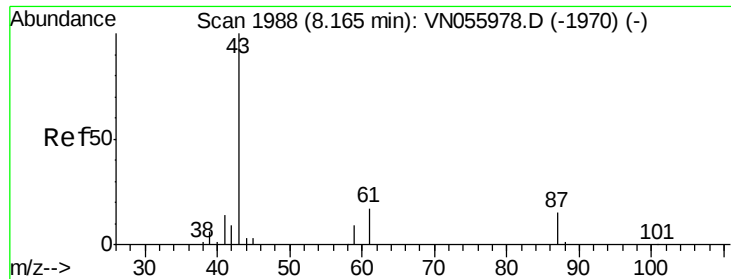
#42
1,2-Dichloroethane
Concen: 50.100 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion:	62	Resp:	165032
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)





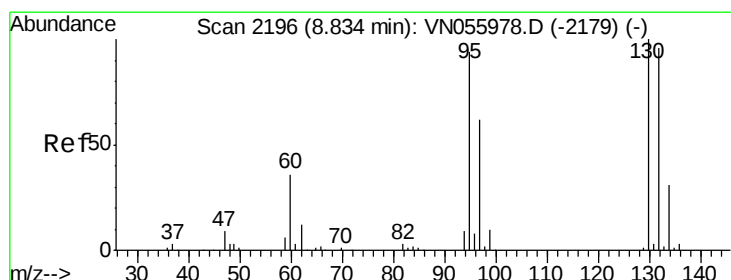
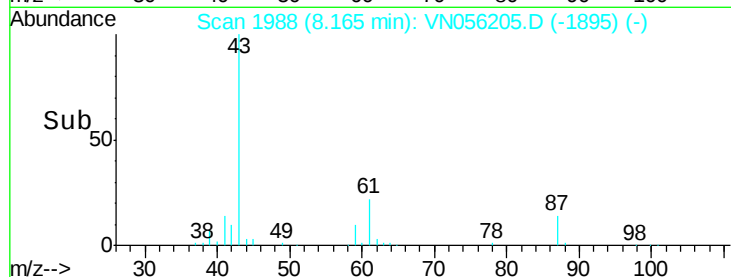
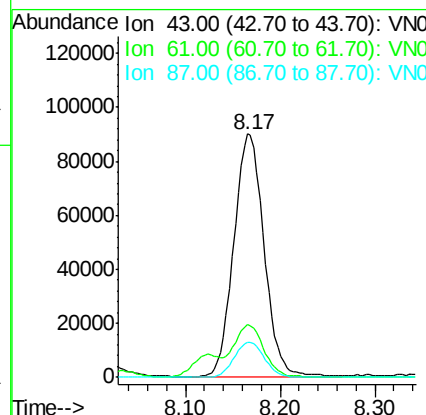
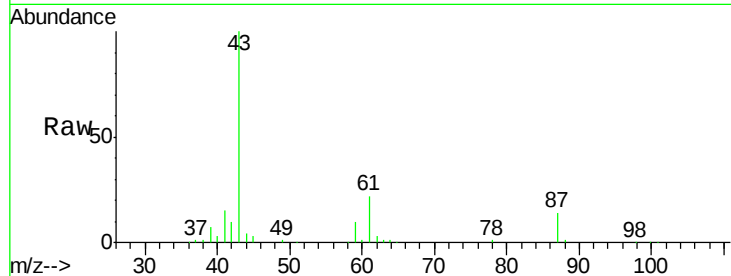
#43
Isopropyl Acetate
Concen: 41.057 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.2	33.4#
87	14.5	11.4	17.2

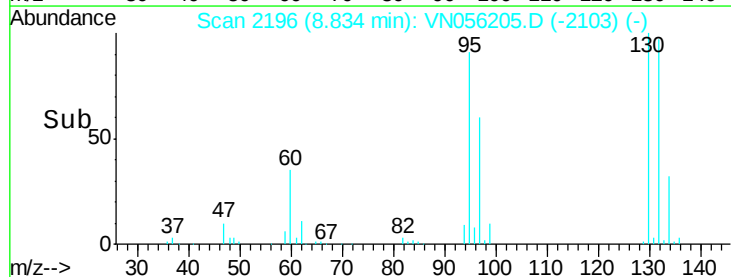
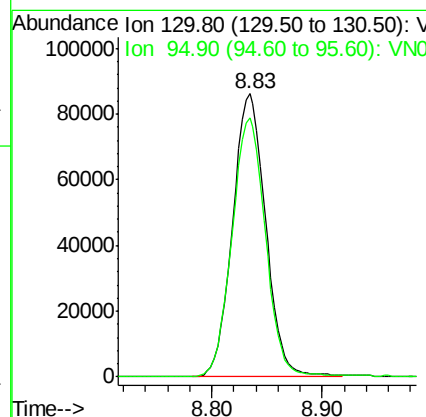
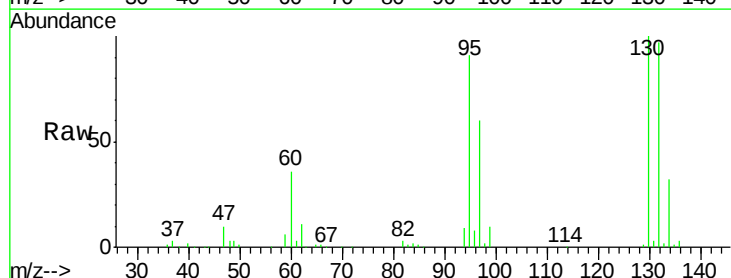
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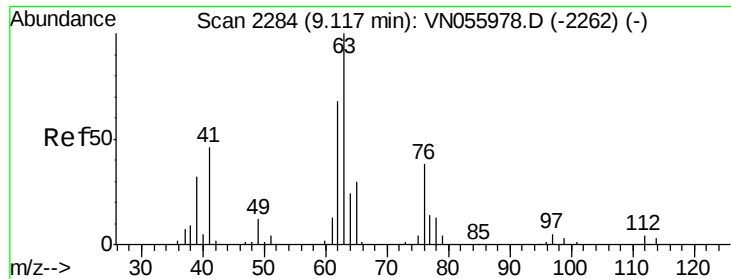
MMDadoda
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#44
Trichloroethene
Concen: 60.958 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	188.0





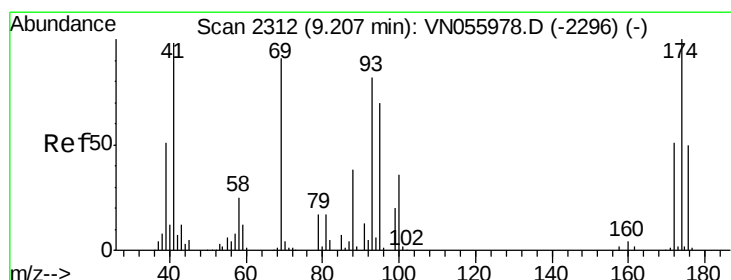
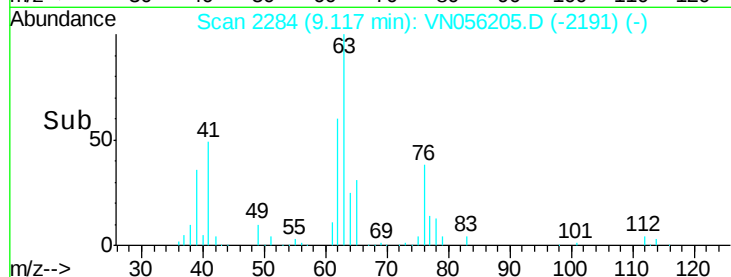
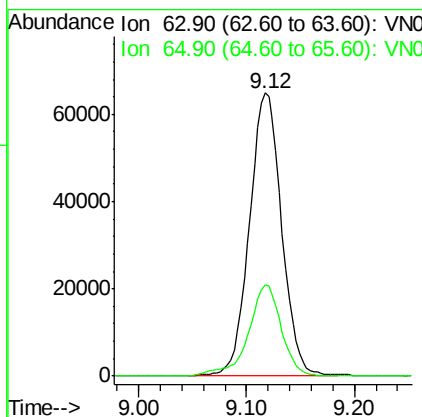
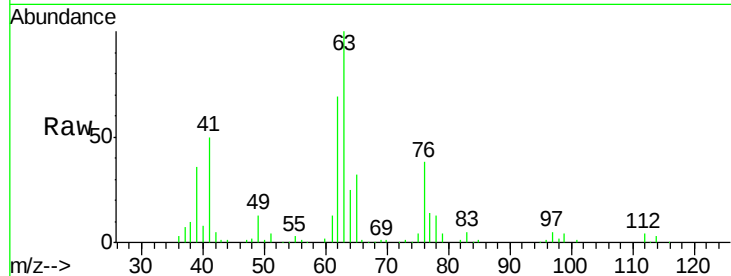
#45
 1,2-Dichloropropane
 Concen: 51.313 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion: 63 Resp: 134599
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.6 36.8

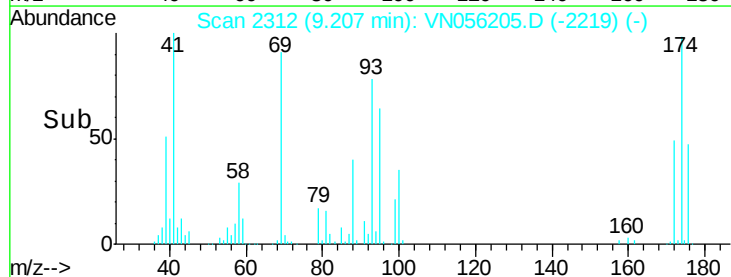
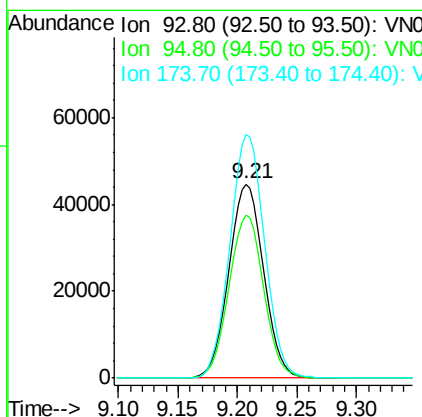
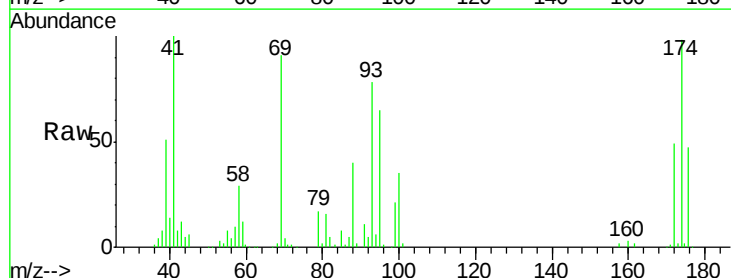
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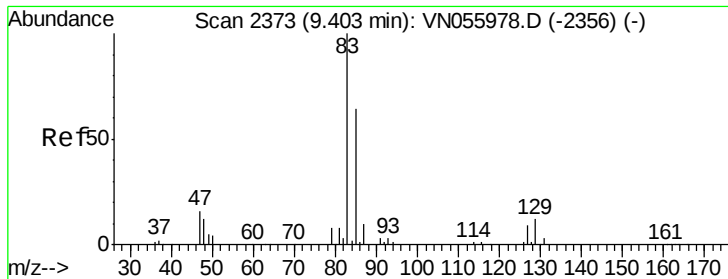
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#46
 Dibromomethane
 Concen: 52.831 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion: 93 Resp: 90621
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 125.5 96.4 144.6





#47

Bromodichloromethane

Concen: 54.673 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

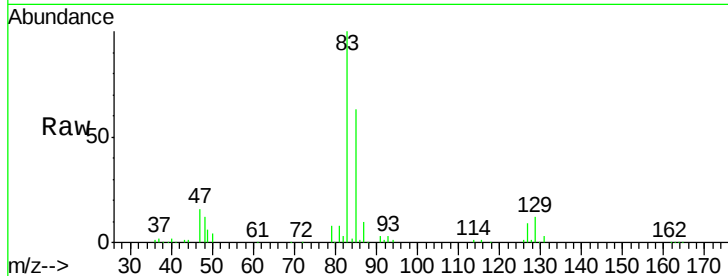
ClientSampleId :

RE123D1-20190605MS

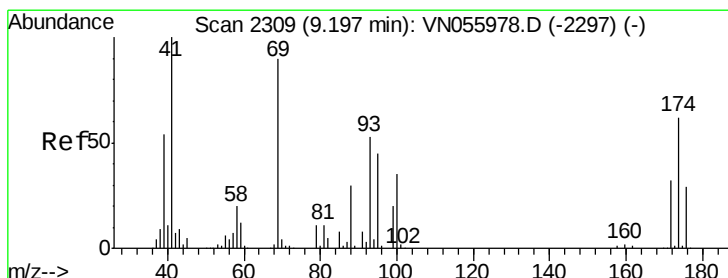
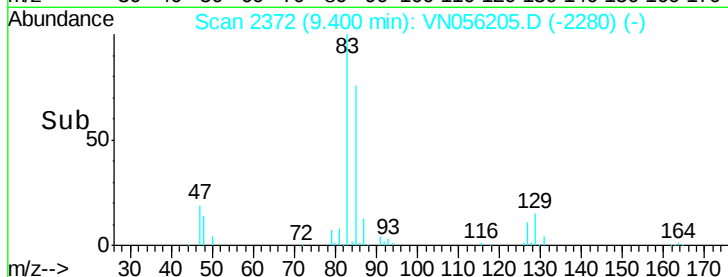
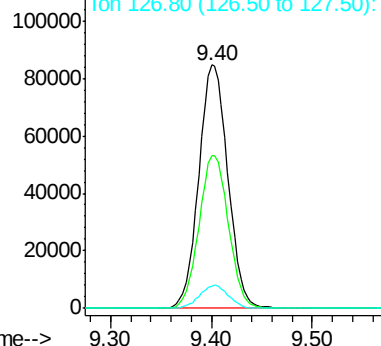
Tot Ion:	83	Resp:	169969
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.2
127	9.2	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)



#48

Methyl methacrylate

Concen: 53.998 ug/l

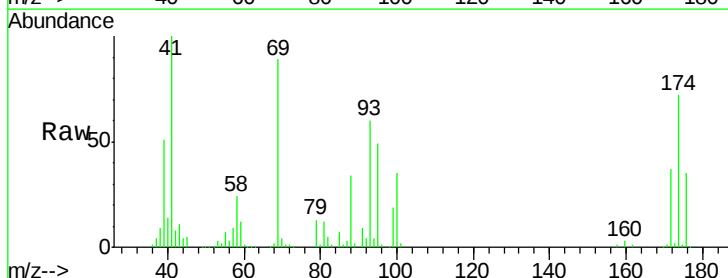
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

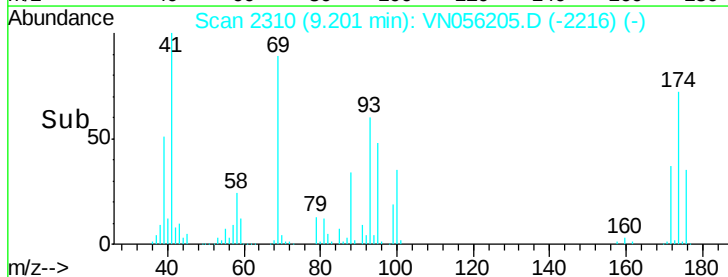
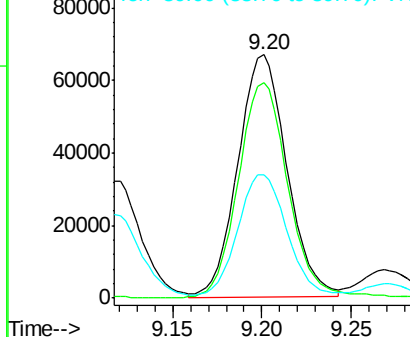
Lab File: VN056205.D

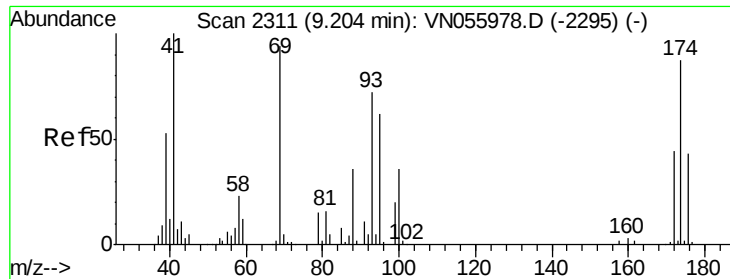
Acq: 11 Jun 2019 7:16

Tgt Ion:	41	Resp:	128425
Ion	Ratio	Lower	Upper
41	100		
69	90.9	71.0	106.6
39	51.5	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)





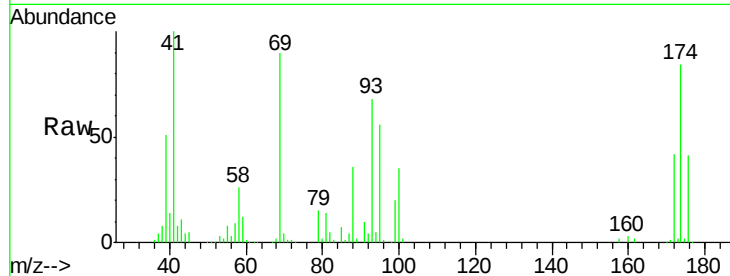
#49
1,4-Dioxane
Concen: 1120.850 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

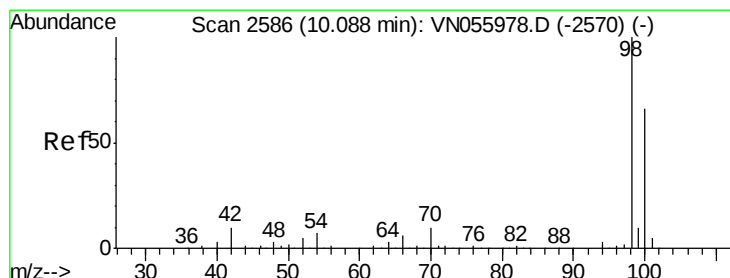
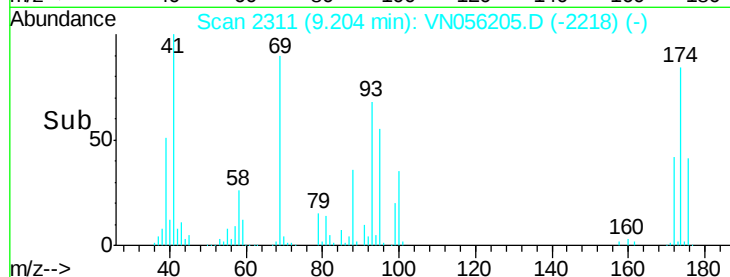
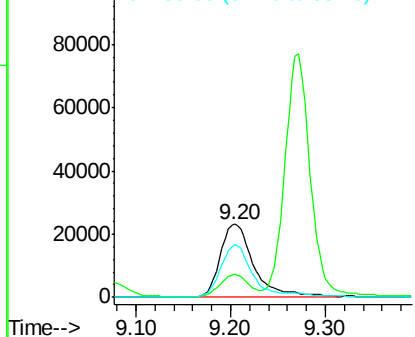
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	69.9	55.8	83.6

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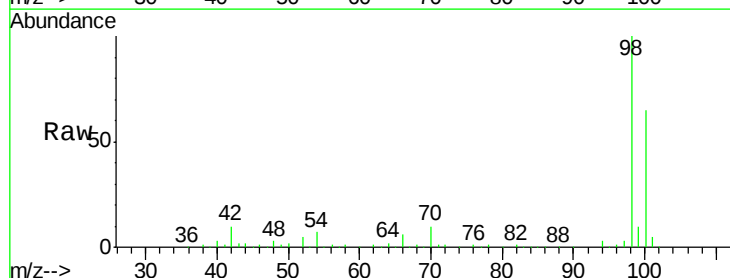


Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)

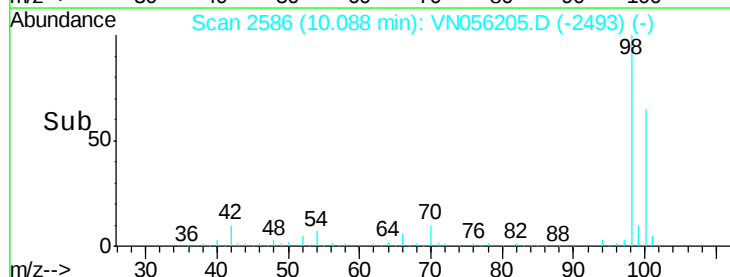
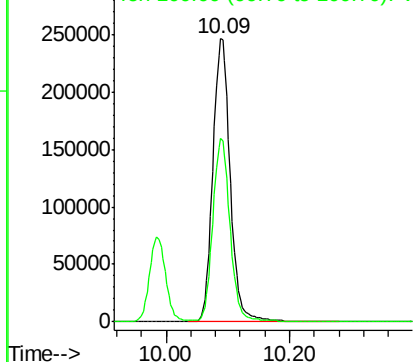


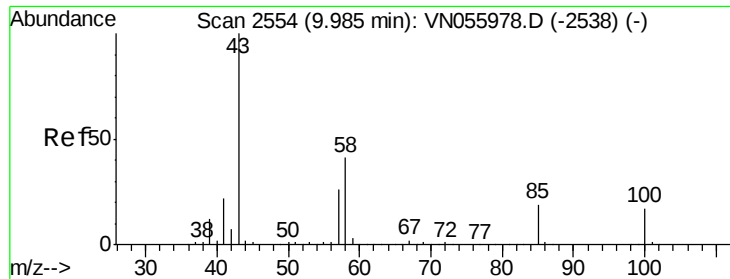
#50
Toluene-d8
Concen: 51.812 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 277.396 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleID :

RE123D1-20190605MS

Tot Ion: 43 Resp: 843311

Ion Ratio Lower Upper

43 100

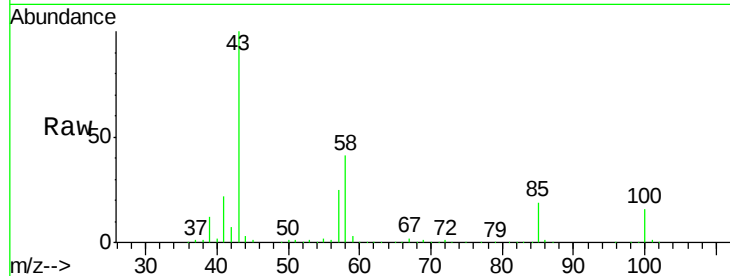
58 40.2 32.1 48.1

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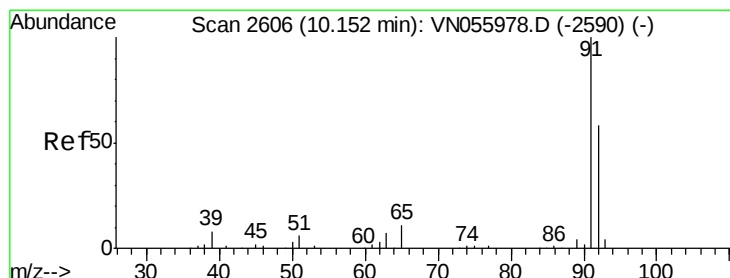
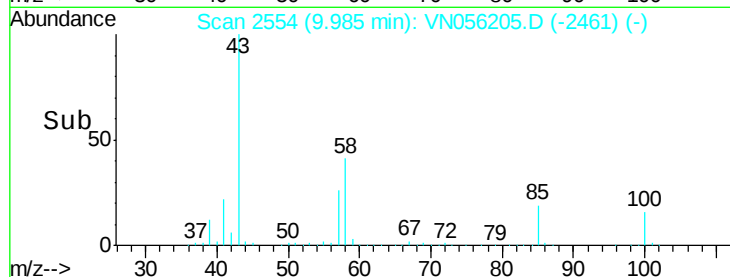
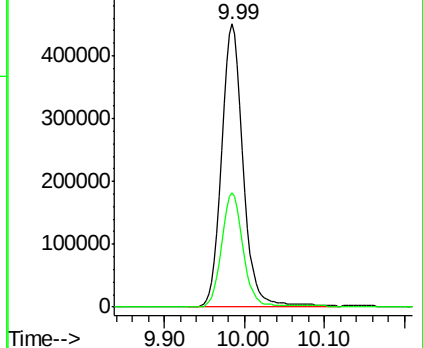
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.933 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056205.D

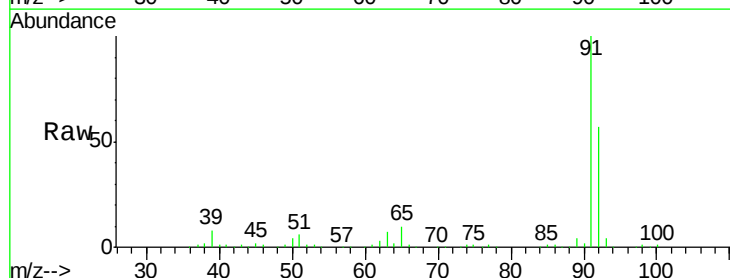
Acq: 11 Jun 2019 7:16

Tgt Ion: 92 Resp: 324566

Ion Ratio Lower Upper

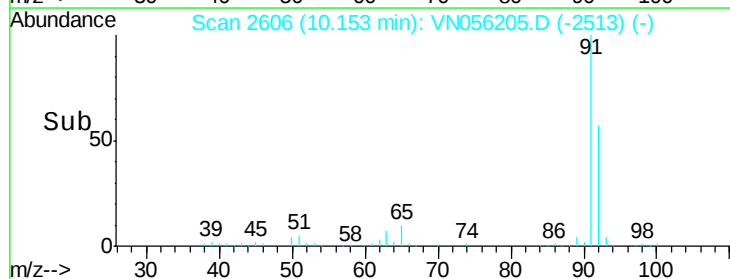
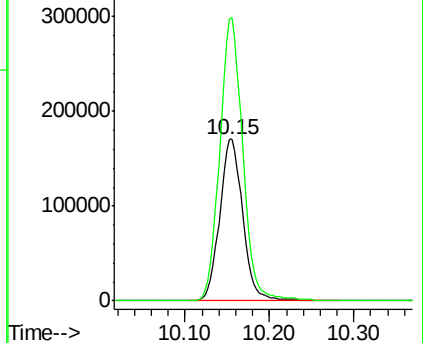
92 100

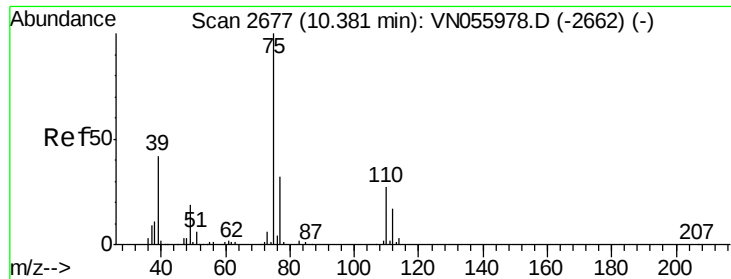
91 174.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





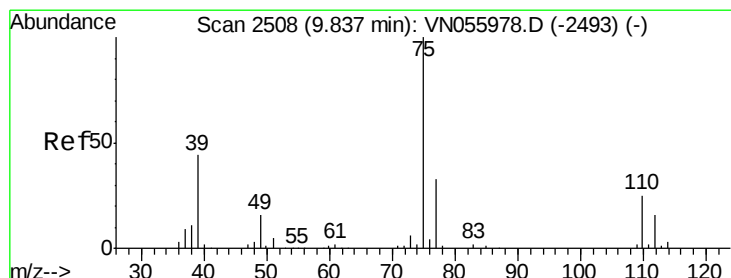
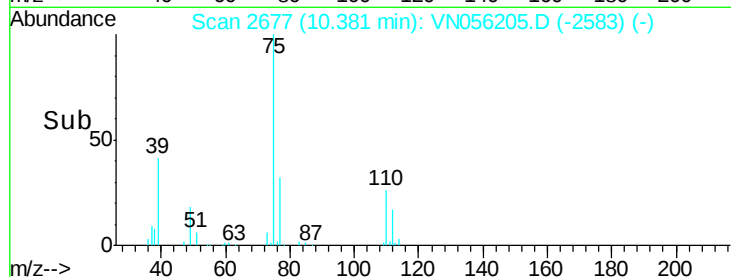
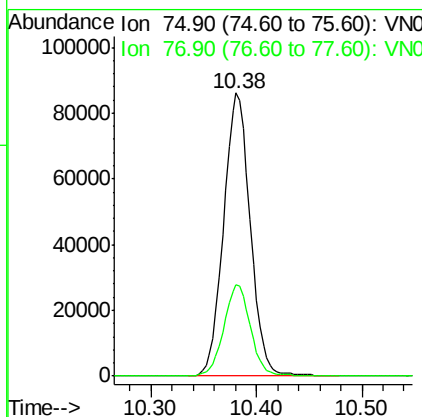
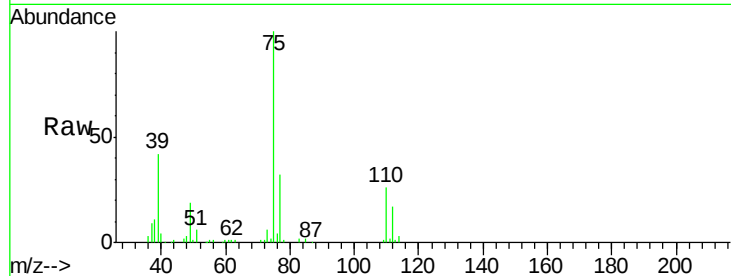
#53
t-1,3-Dichloropropene
Concen: 41.698 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion: 75 Resp: 150458
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6

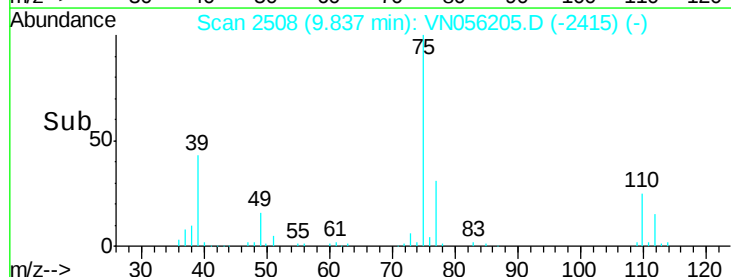
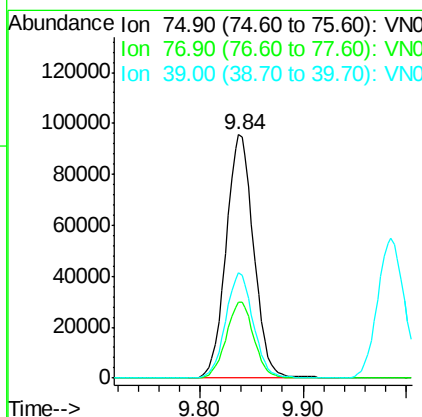
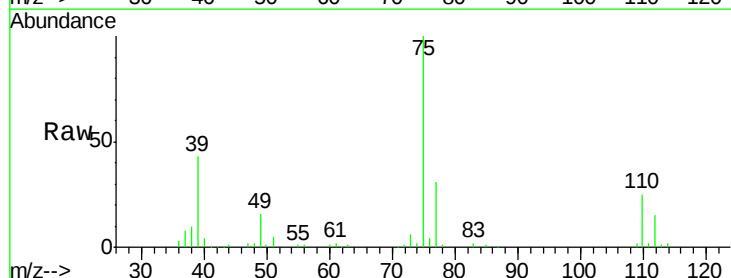
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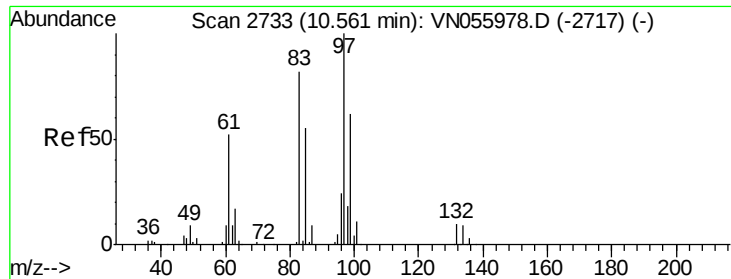
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#54
cis-1,3-Dichloropropene
Concen: 47.723 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion: 75 Resp: 178334
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 42.8 36.3 54.5





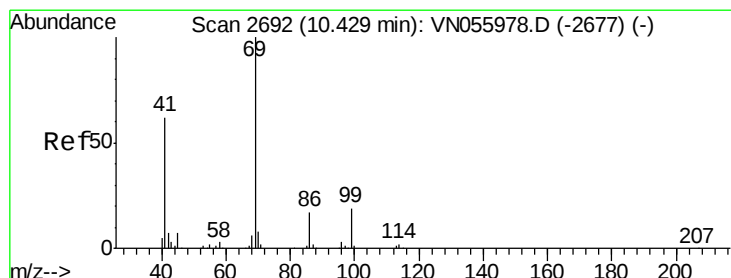
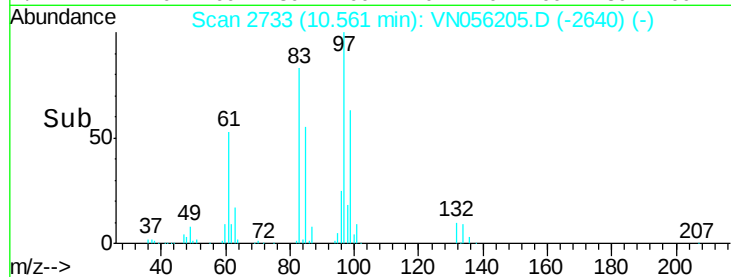
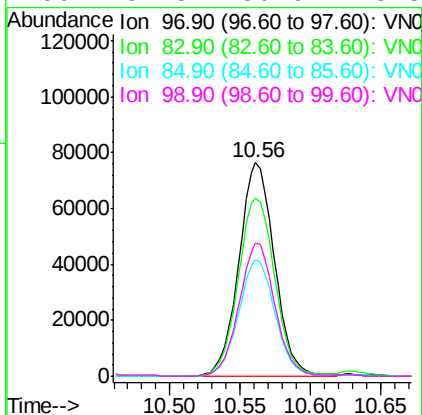
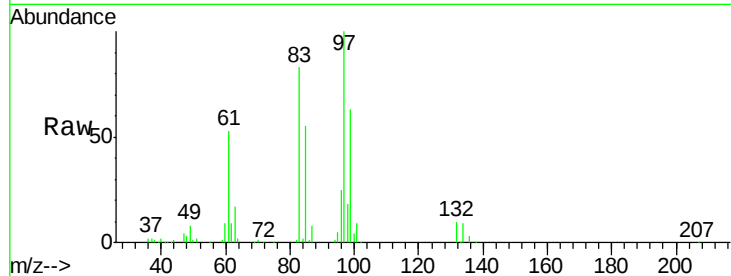
#55
 1,1,2-Trichloroethane
 Concen: 53.579 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion:	97	Resp:	135245
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	54.5	44.0	66.0
99	62.5	50.6	75.8

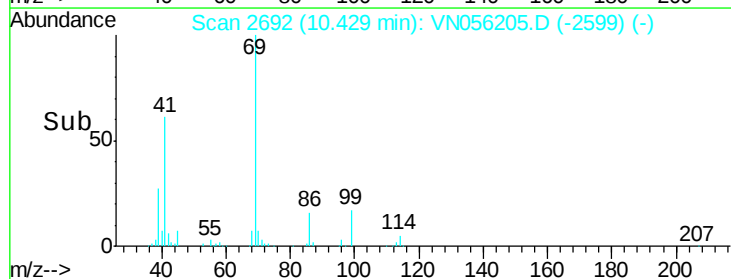
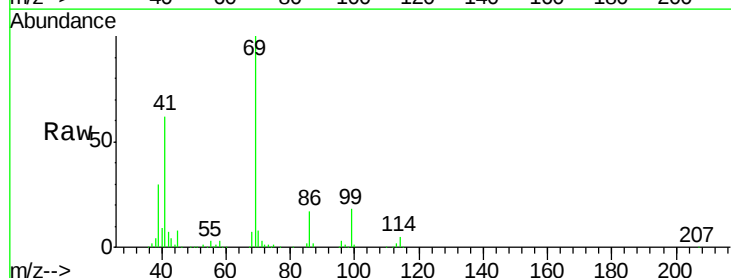
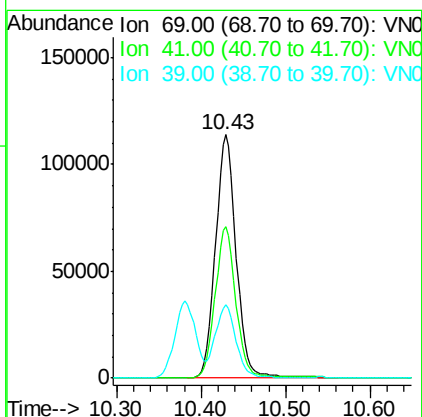
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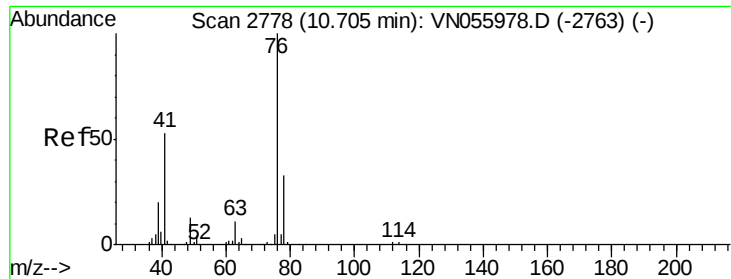
MMDadoda
 6/11/2019 11:58:35 AM



#56
 Ethyl methacrylate
 Concen: 52.826 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion:	69	Resp:	194532
Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.859 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 76 Resp: 216905

Ion Ratio Lower Upper

76 100

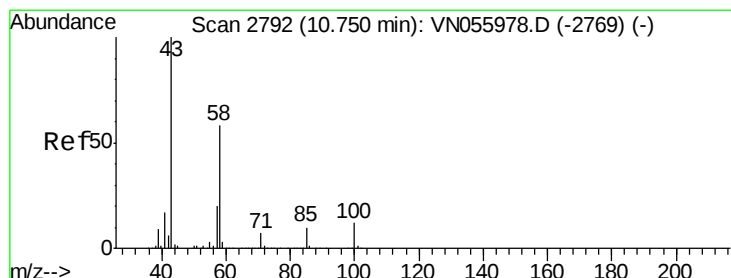
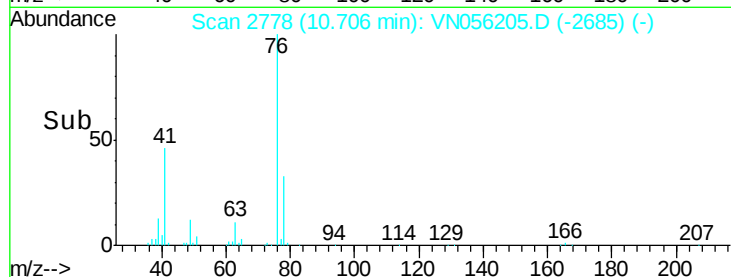
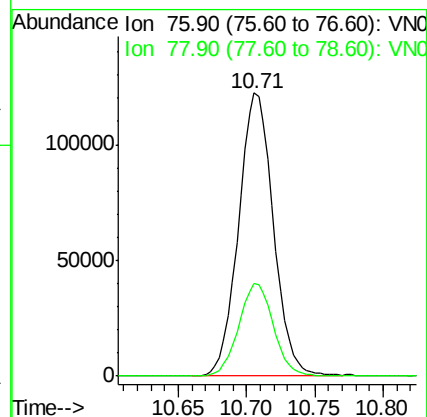
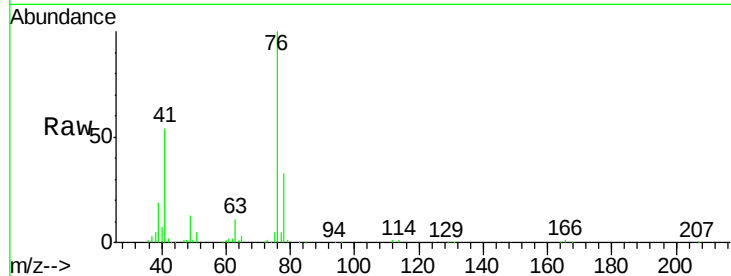
78 32.6 25.8 38.6

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#59

2-Hexanone

Concen: 265.955 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056205.D

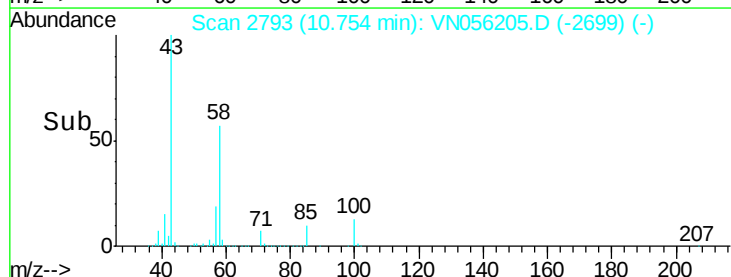
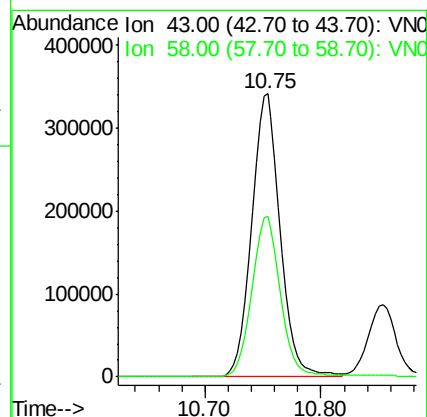
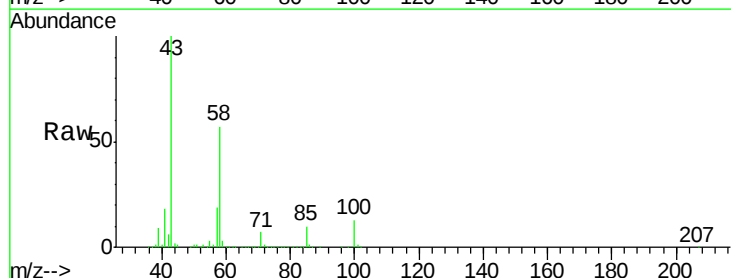
Acq: 11 Jun 2019 7:16

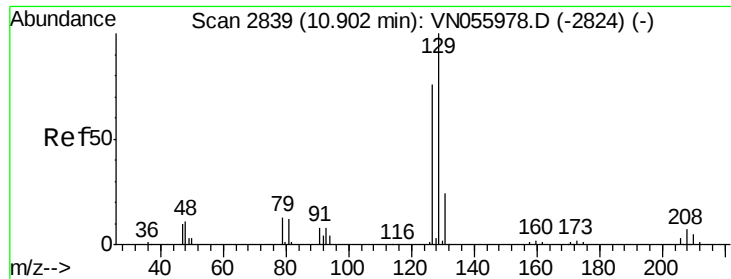
Tgt Ion: 43 Resp: 586004

Ion Ratio Lower Upper

43 100

58 57.0 28.2 84.7





#60

Dibromochloromethane

Concen: 52.294 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:129 Resp: 145914

Ion Ratio Lower Upper

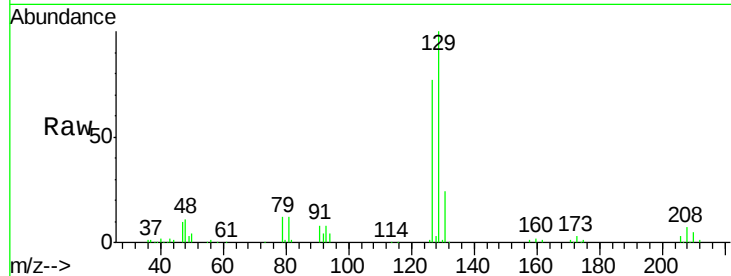
129 100

127 76.8 38.1 114.3

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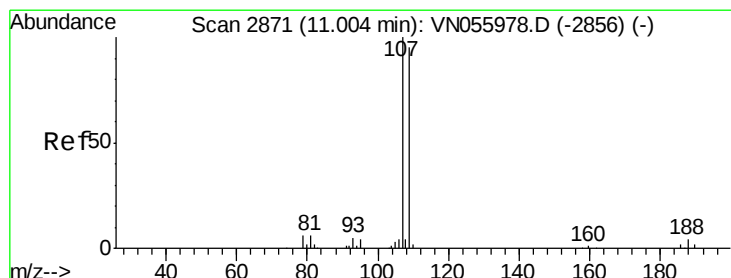
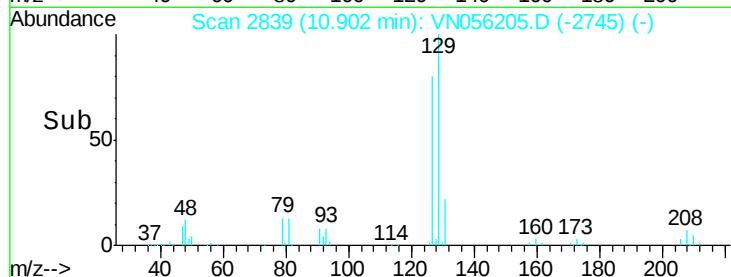
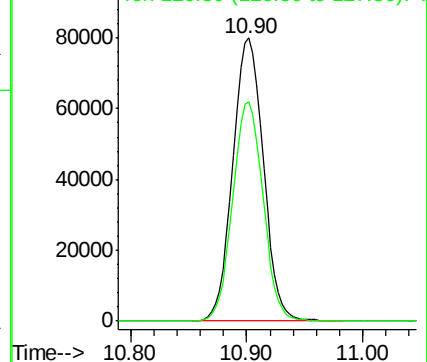
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.107 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056205.D

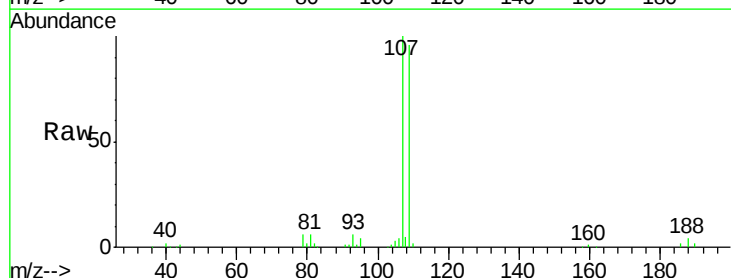
Acq: 11 Jun 2019 7:16

Tgt Ion:107 Resp: 139624

Ion Ratio Lower Upper

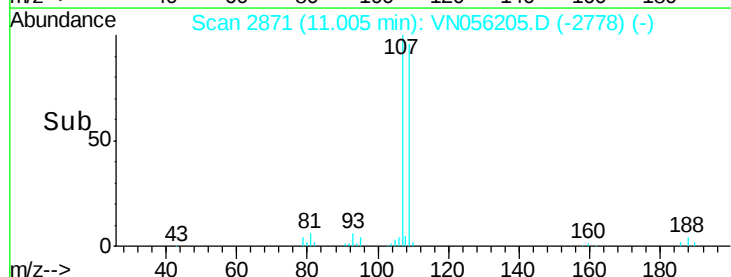
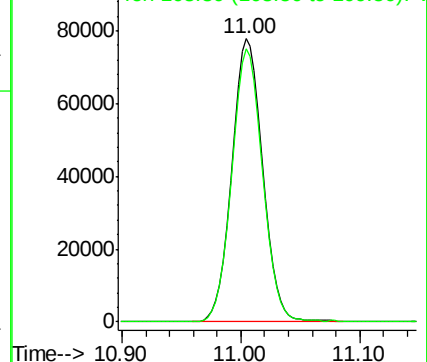
107 100

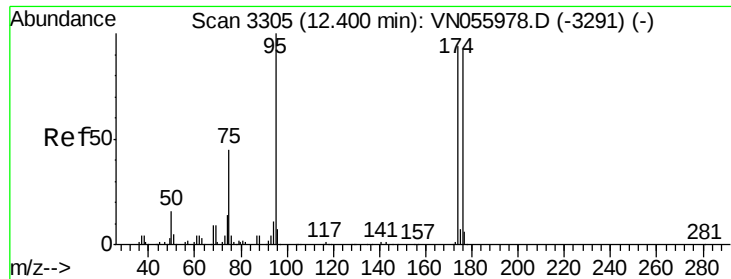
109 96.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.233 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

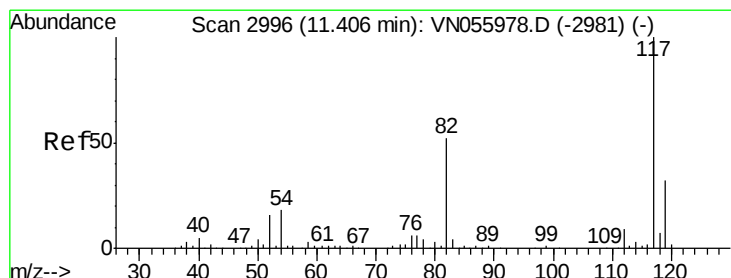
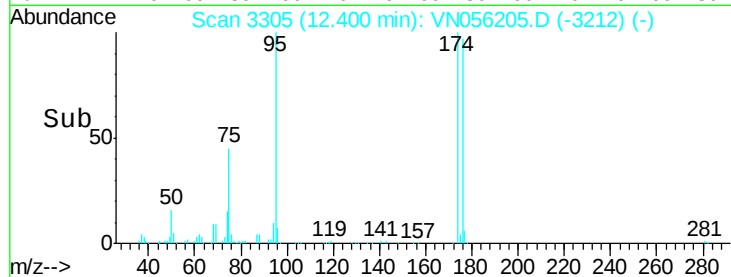
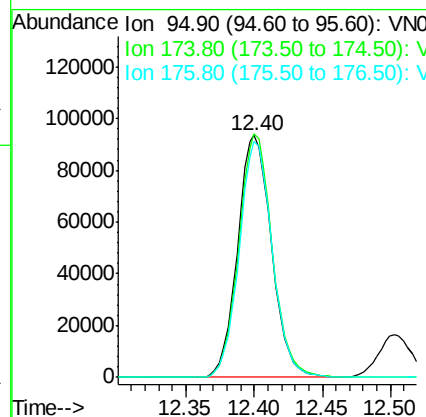
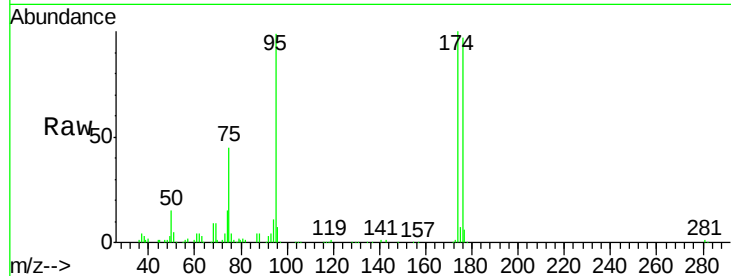
ClientSampleId :

RE123D1-20190605MS

Tot Ion:	95	Resp:	161295
Ion Ratio	Lower	Upper	
95	100		
174	99.1	0.0	191.0
176	95.0	0.0	185.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

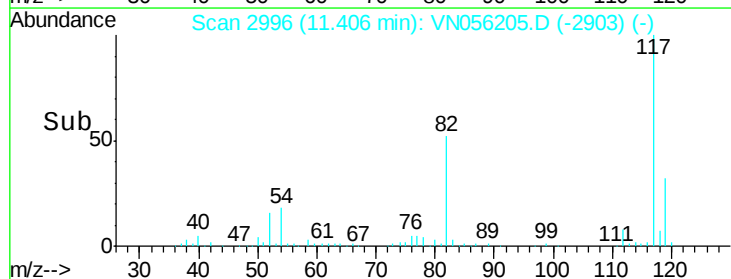
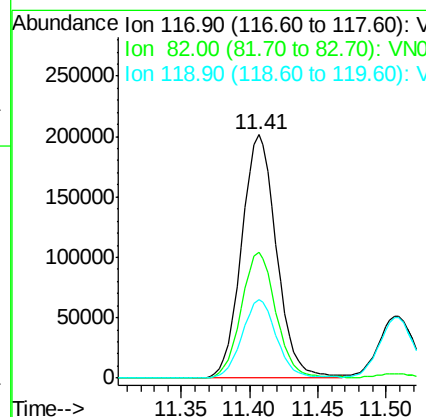
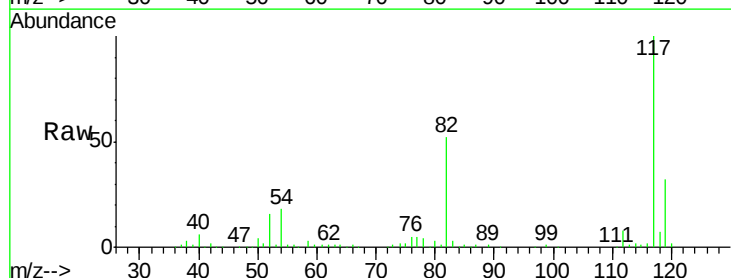
RT: 11.41 min Scan# 2996

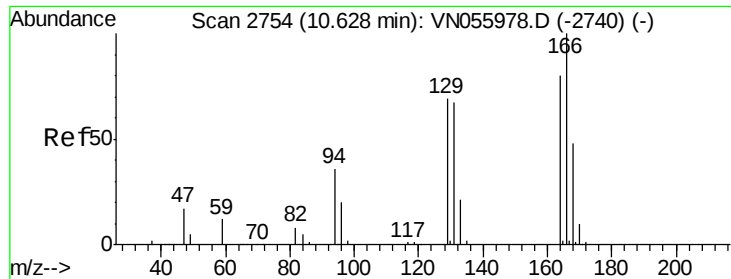
Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Tgt Ion:	117	Resp:	358416
Ion Ratio	Lower	Upper	
117	100		
82	51.7	41.8	62.8
119	32.3	25.4	38.0





#64

Tetrachloroethene

Concen: 47.796 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:164 Resp: 148287

Ion Ratio Lower Upper

164 100

166 126.0 103.0 154.6

129 83.4 70.6 105.8

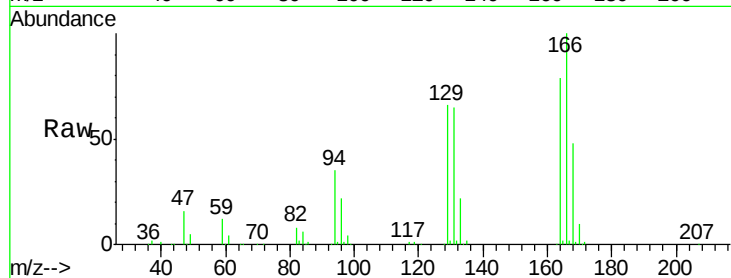
131 81.6 68.6 102.8

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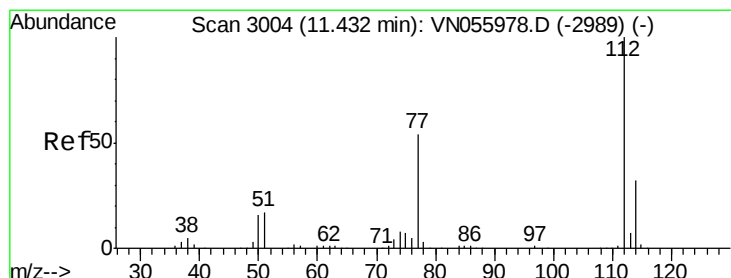
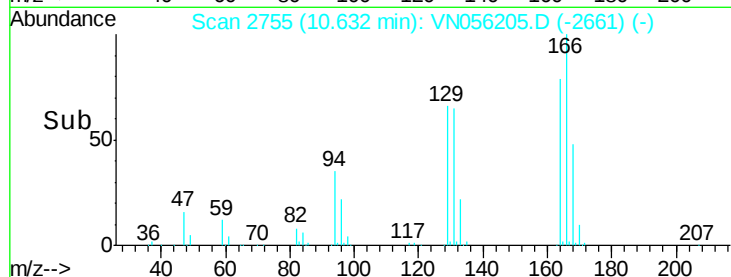
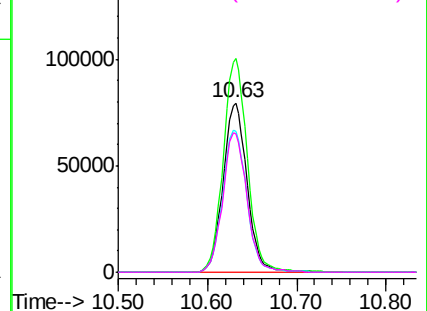
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.744 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056205.D

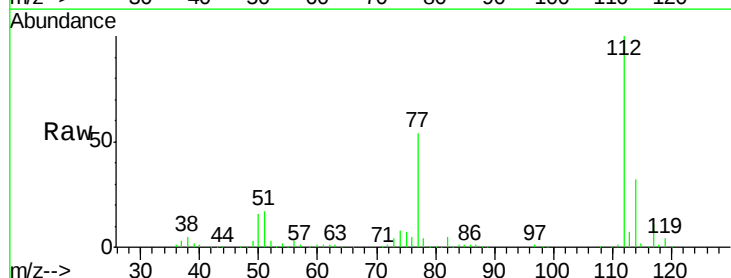
Acq: 11 Jun 2019 7:16

Tgt Ion:112 Resp: 354836

Ion Ratio Lower Upper

112 100

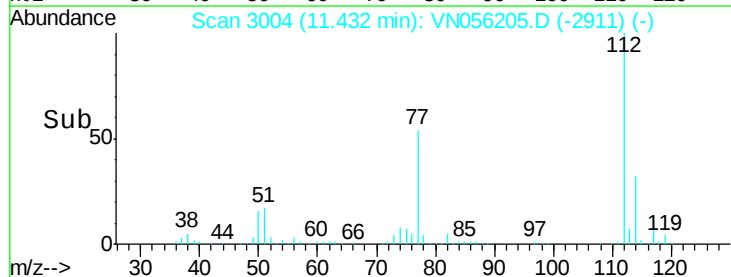
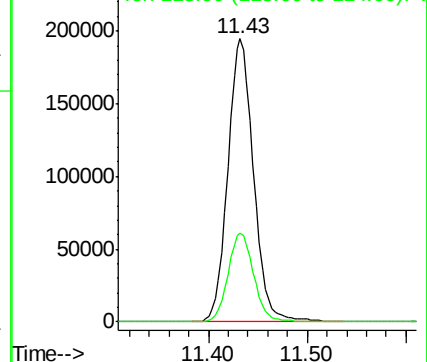
114 31.5 26.2 39.4

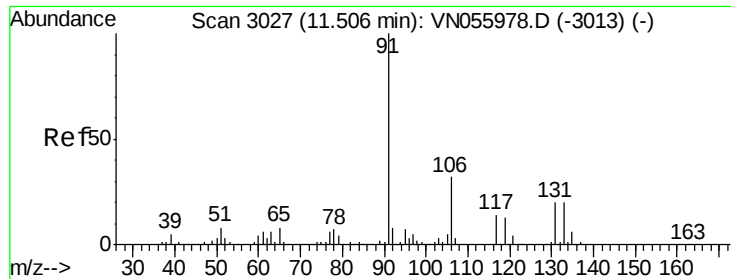


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.539 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

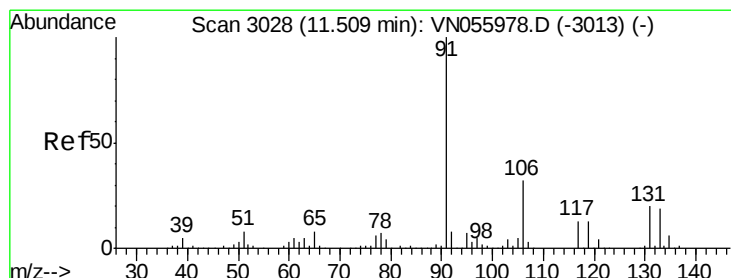
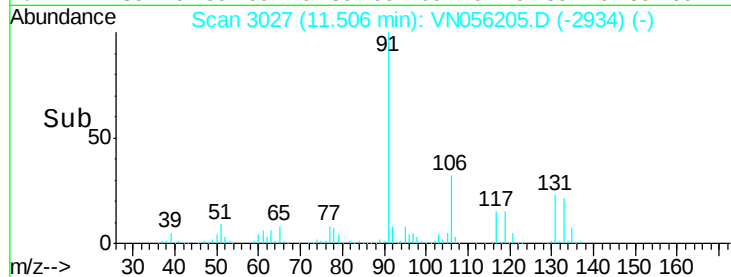
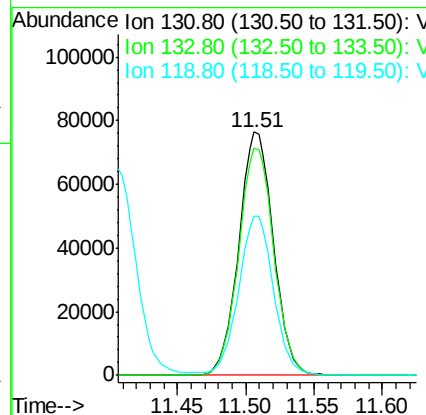
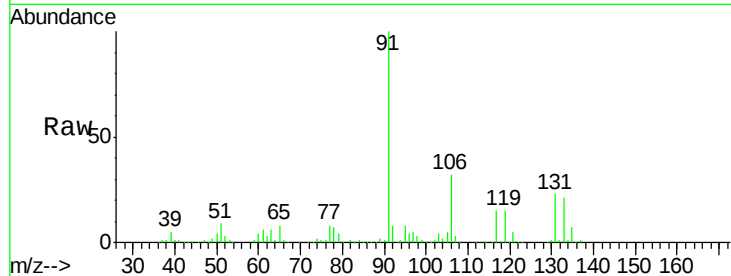
ClientSampleId :

RE123D1-20190605MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	134329		
133	95.0	48.0	144.0	
119	66.0	33.1	99.5	

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#67

Ethyl Benzene

Concen: 48.851 ug/l

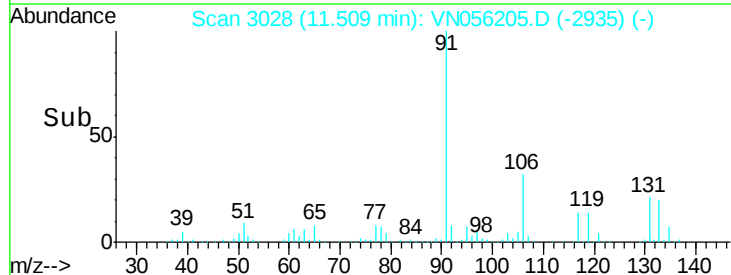
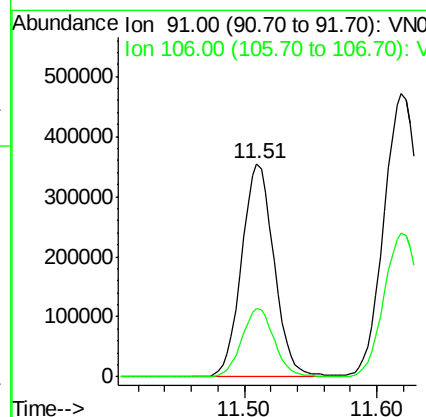
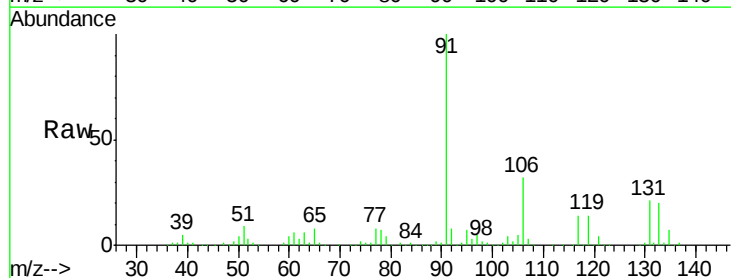
RT: 11.51 min Scan# 3028

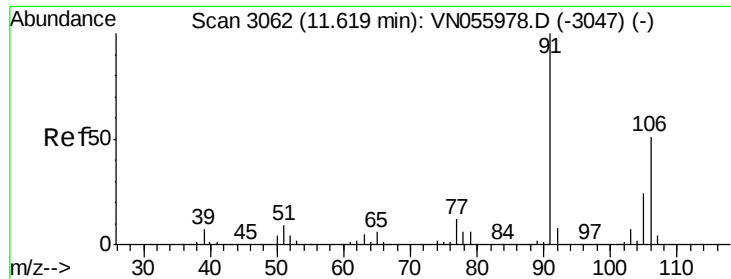
Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	605920		
106	32.3	25.1	37.7	





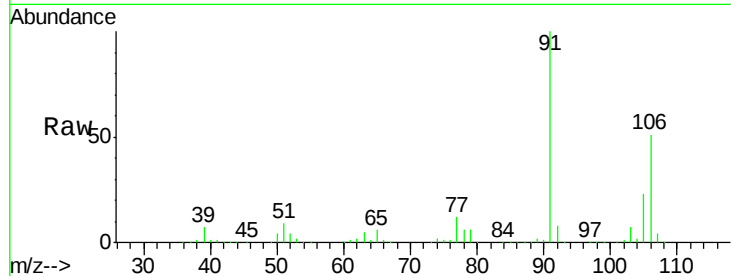
#68
m/p-Xvlenes
Concen: 99.008 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

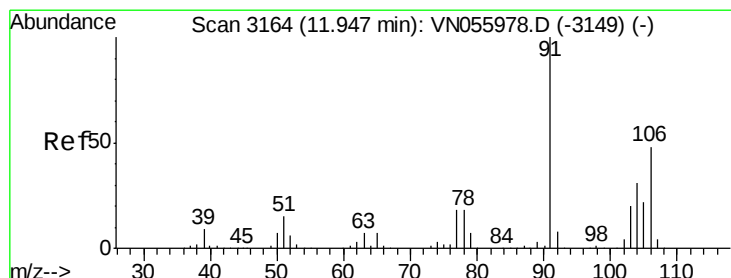
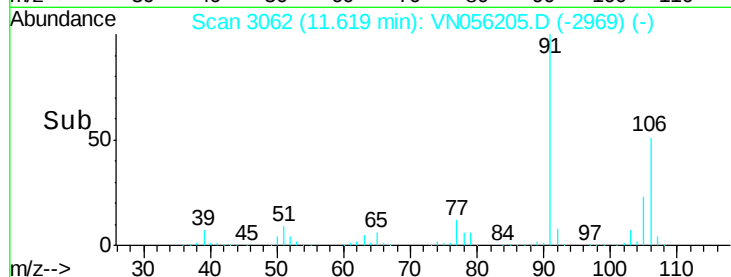
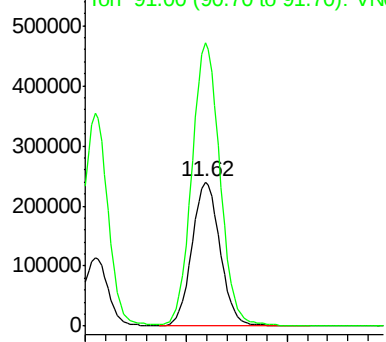
Tot Ion:106 Resp: 469126
Ion Ratio Lower Upper
106 100
91 196.7 159.3 238.9

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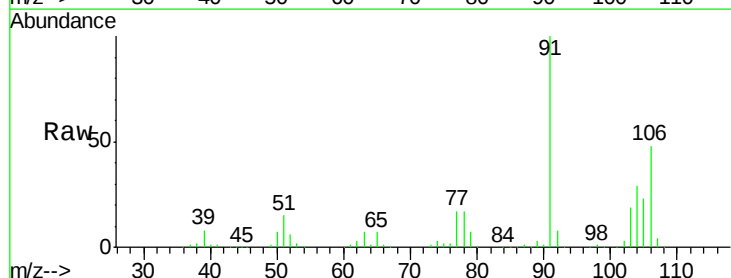


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

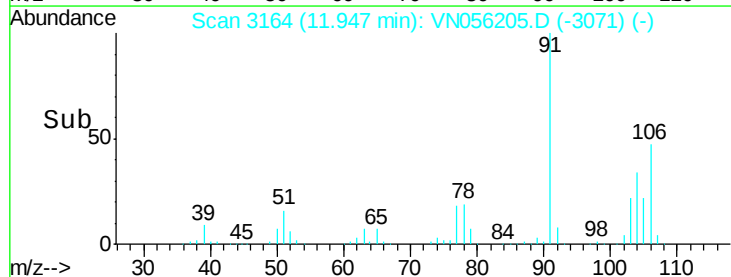
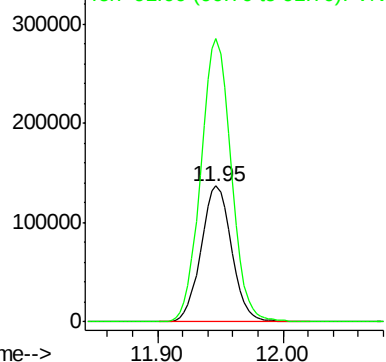


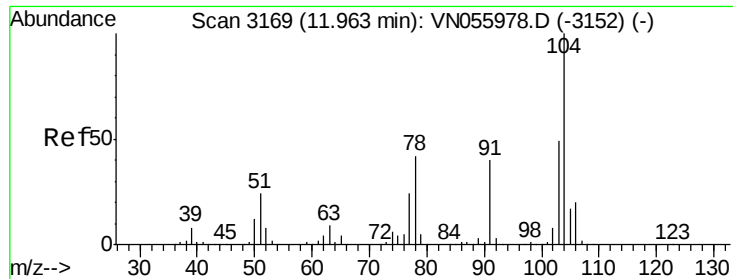
#69
o-Xylene
Concen: 49.752 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion:106 Resp: 231888
Ion Ratio Lower Upper
106 100
91 207.4 104.7 314.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





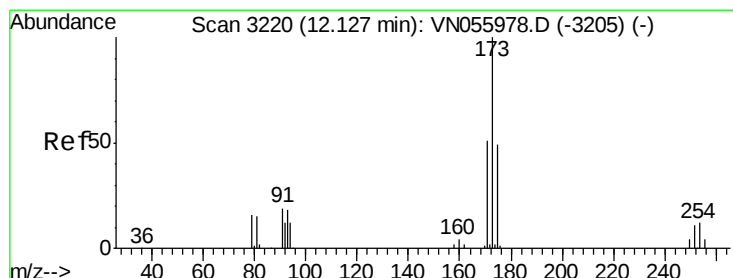
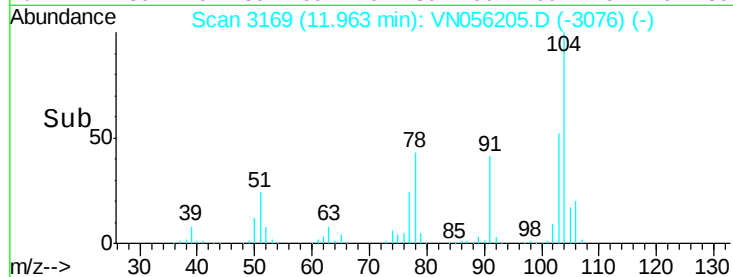
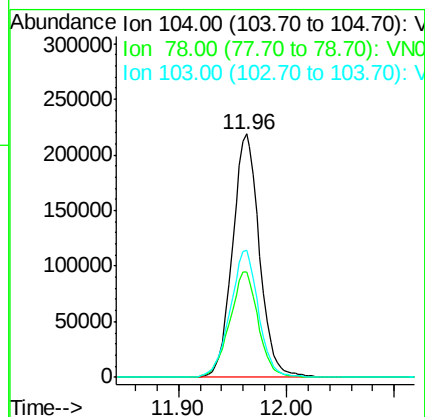
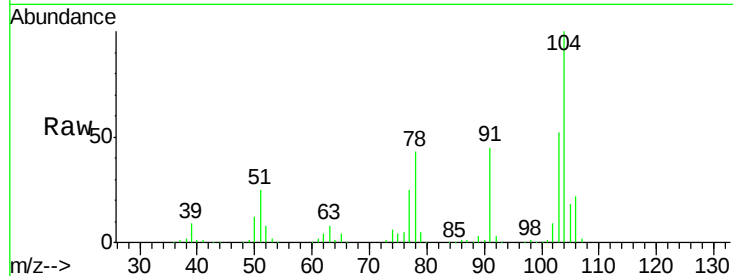
#70
Stvrene
Concen: 51.502 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.8	56.6
103	55.2	44.2	66.2

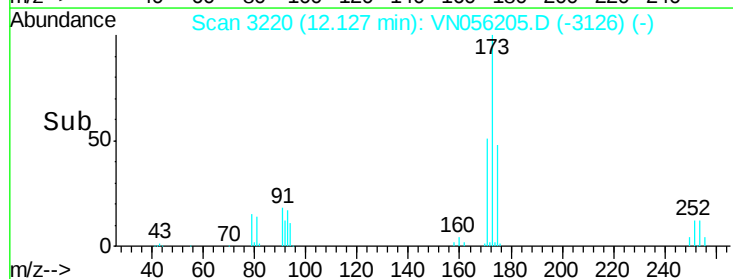
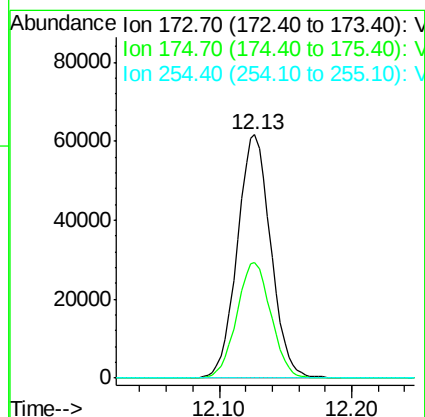
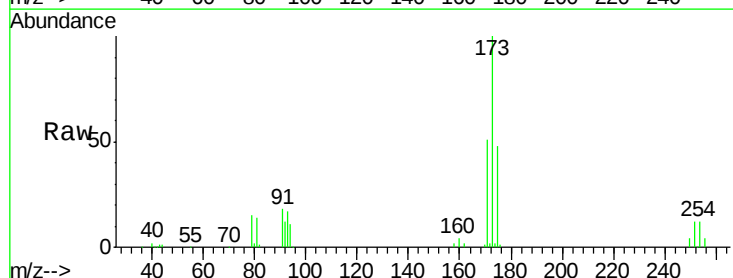
Manual Integrations
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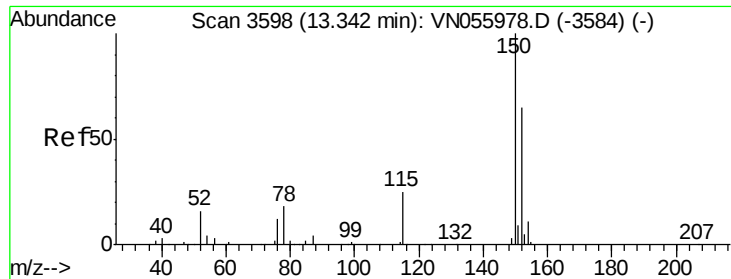
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#71
Bromoform
Concen: 52.038 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:152 Resp: 160466

Ion Ratio Lower Upper

152 100

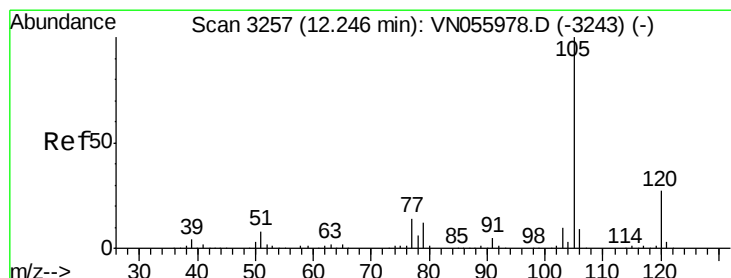
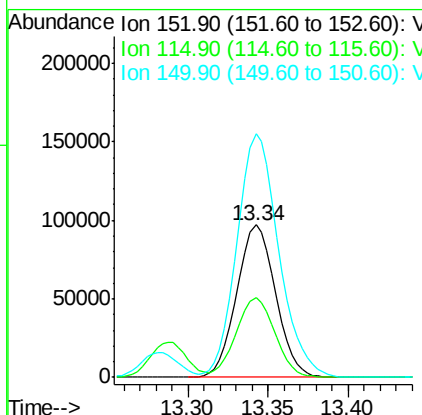
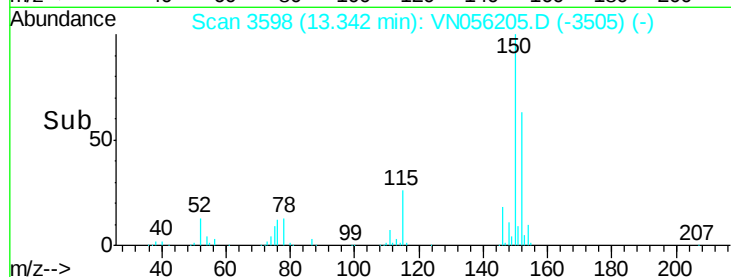
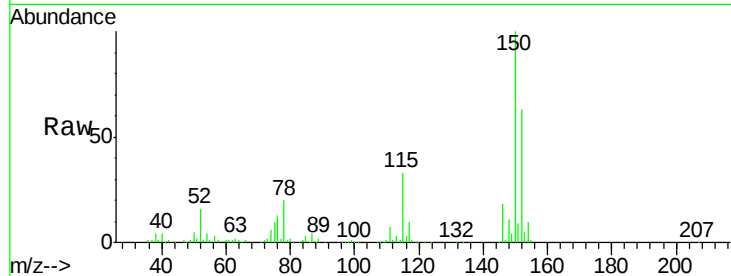
115 52.3 27.0 81.0

150 172.6 0.0 343.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 52.428 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056205.D

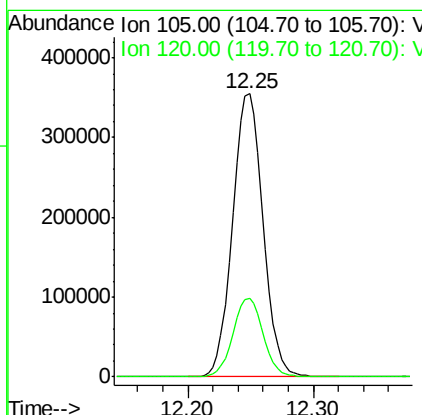
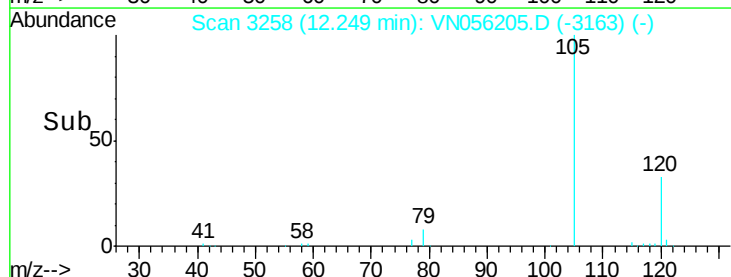
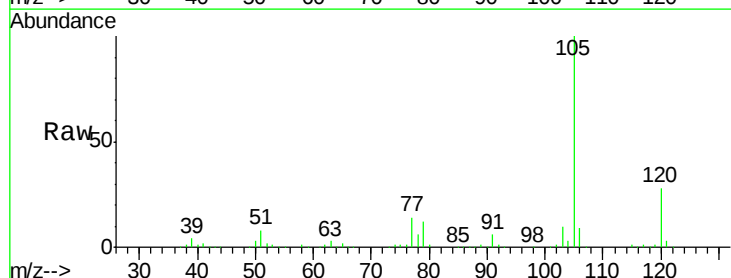
Acq: 11 Jun 2019 7:16

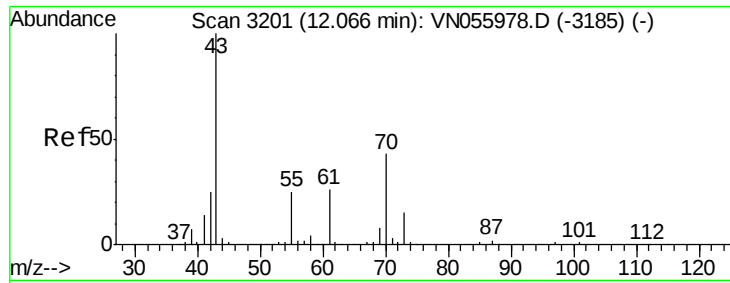
Tgt Ion:105 Resp: 598325

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7





#74

N-amvl acetate

Concen: 31.139 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

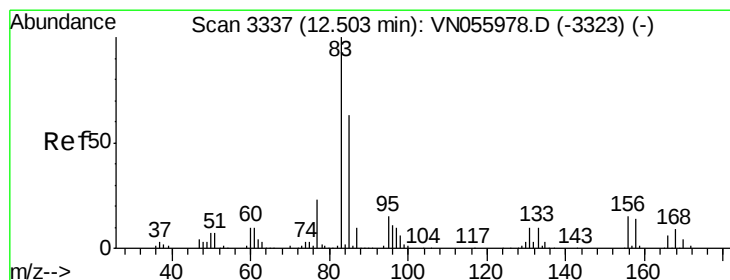
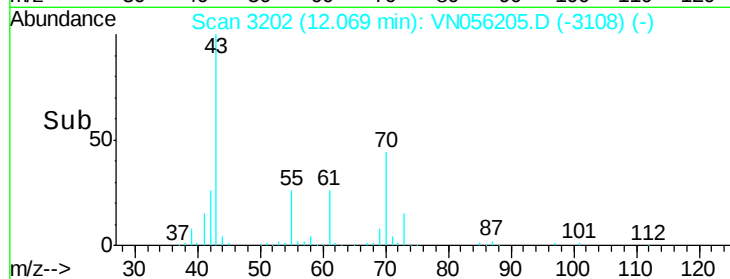
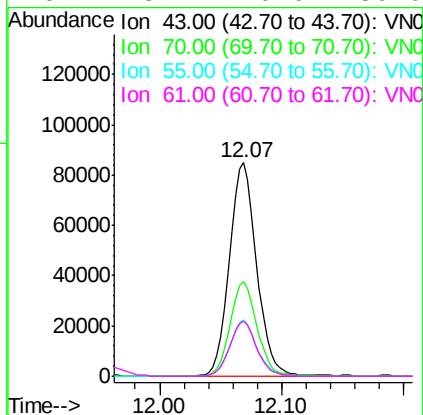
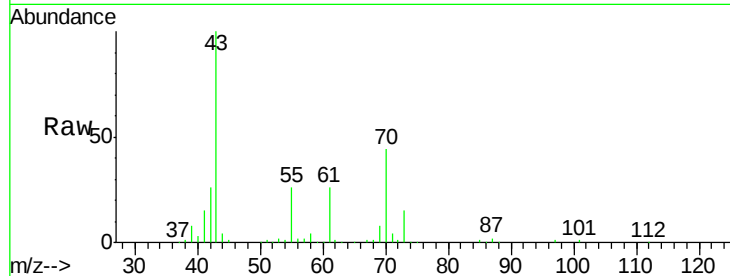
ClientSampleId :

RE123D1-20190605MS

Tot Ion:	43	Resp:	133194
Ion Ratio	Lower	Upper	
43	100		
70	43.9	34.0	51.0
55	25.9	18.6	28.0
61	25.2	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.864 ug/l

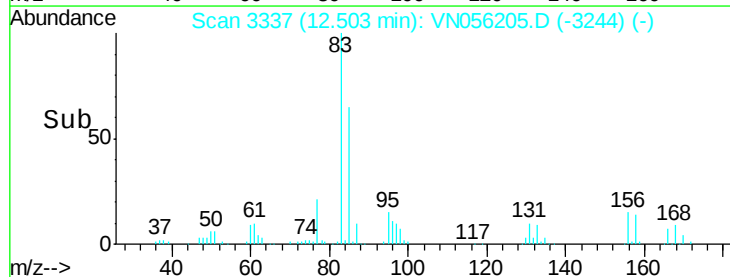
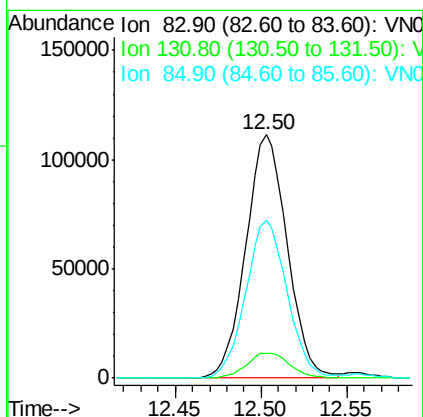
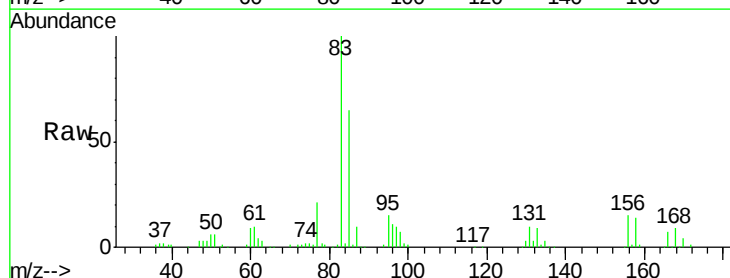
RT: 12.50 min Scan# 3337

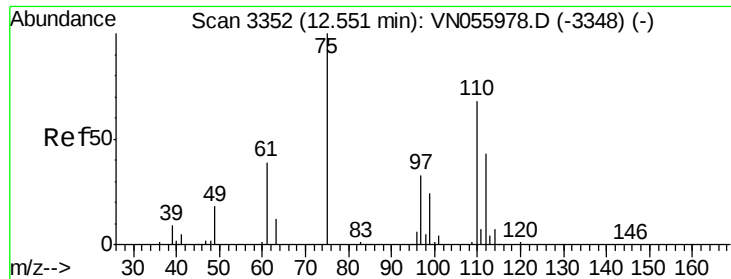
Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Tgt Ion:	83	Resp:	185749
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	65.0	32.4	97.0





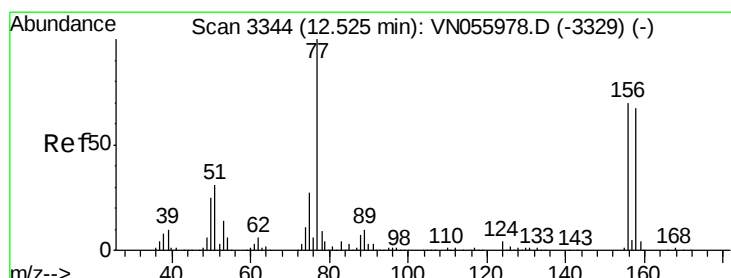
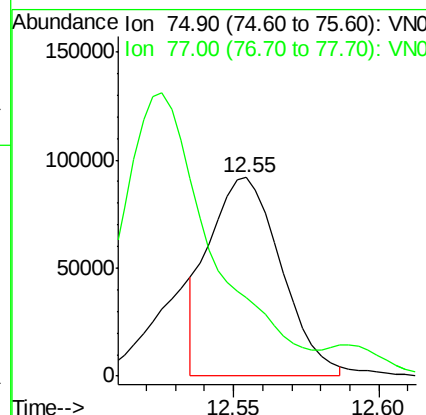
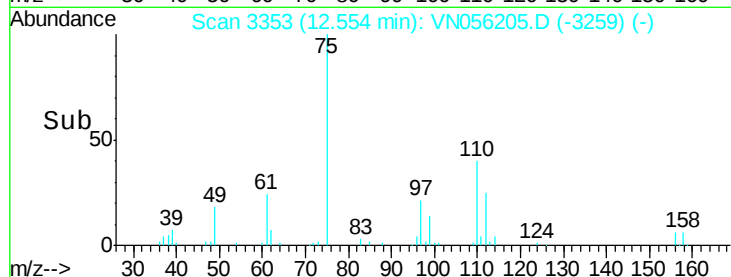
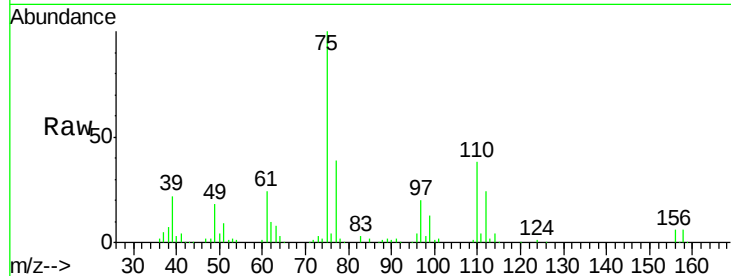
#76
 1,2,3-Trichloropropane
 Concen: 53.142 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion: 75 Resp: 156910
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

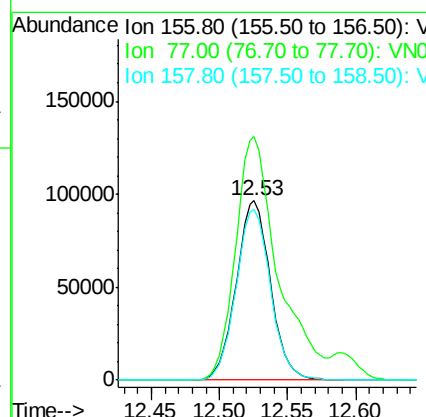
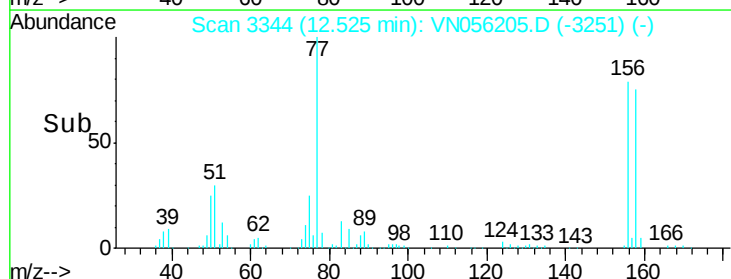
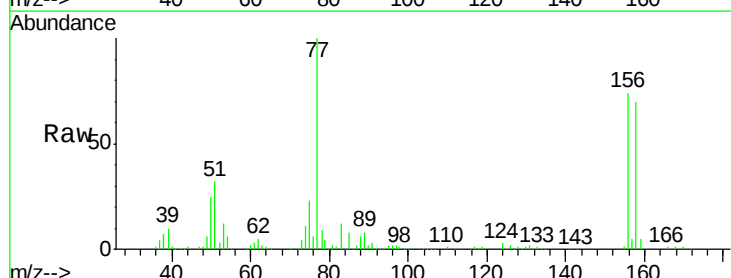
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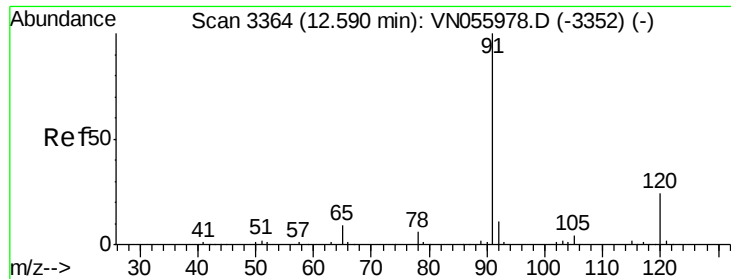
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 6/11/2019 11:58:35 AM



#77
 Bromobenzene
 Concen: 48.988 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion: 156 Resp: 168302
 Ion Ratio Lower Upper
 156 100
 77 168.1 90.8 272.5
 158 96.3 49.3 147.8





#78

n-propylbenzene

Concen: 46.421 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion: 91 Resp: 630174

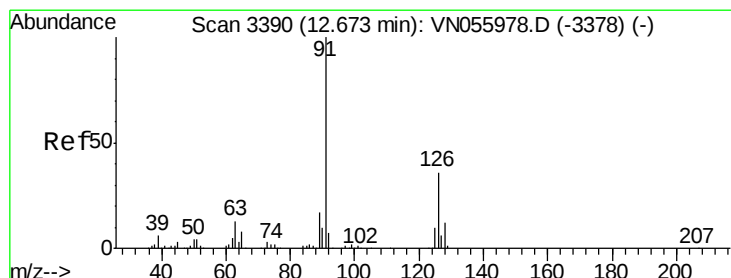
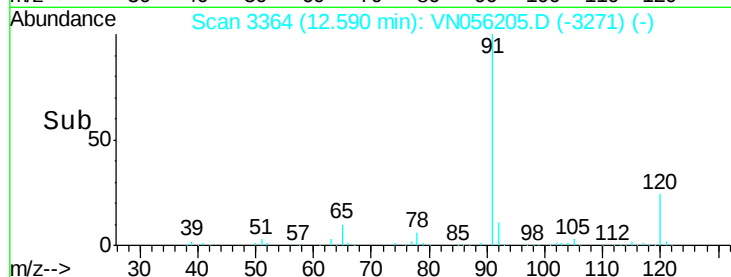
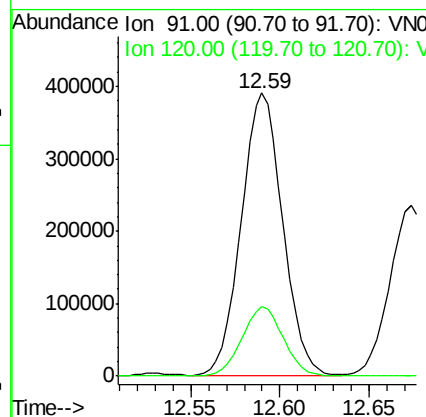
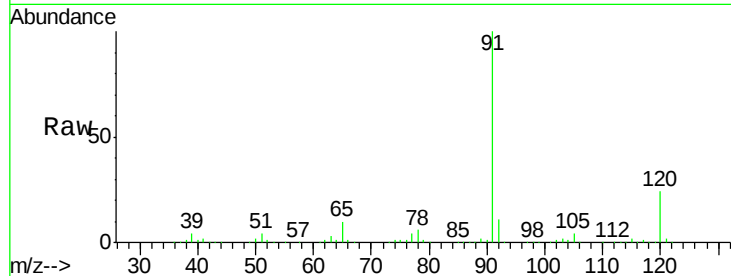
Ion Ratio Lower Upper

91 100

120 24.6 12.0 36.0

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#79

2-Chlorotoluene

Concen: 51.922 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056205.D

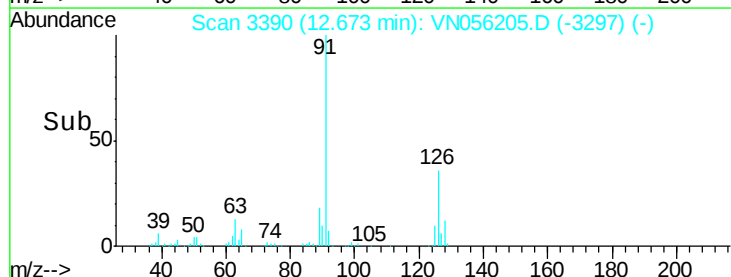
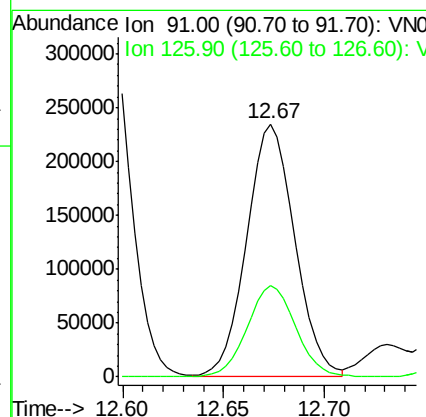
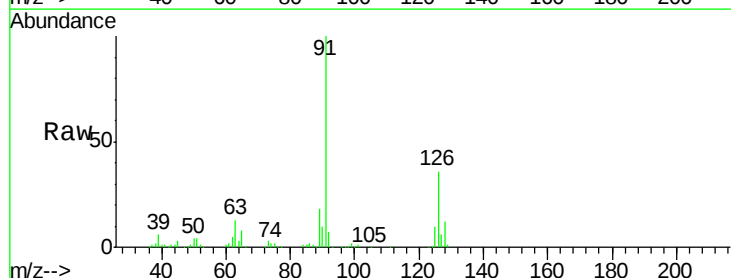
Acq: 11 Jun 2019 7:16

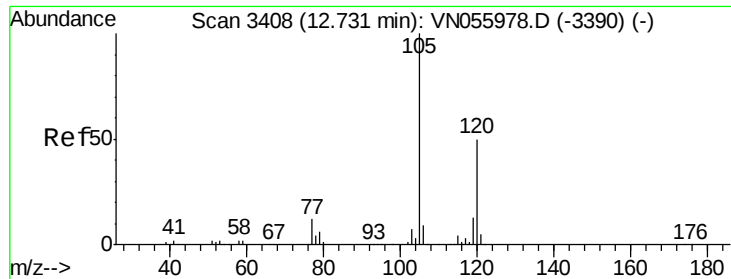
Tgt Ion: 91 Resp: 390289

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.4





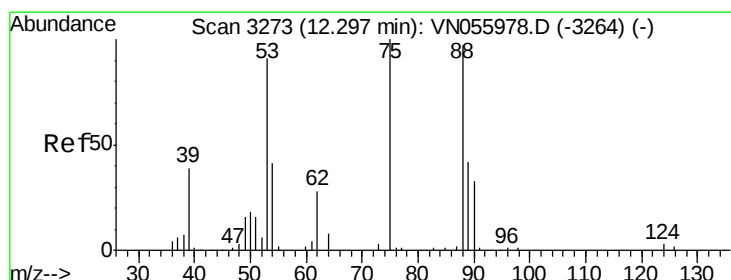
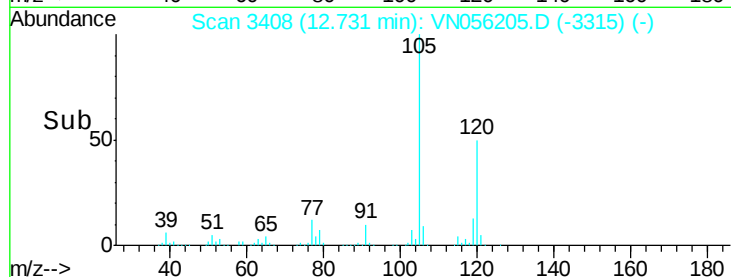
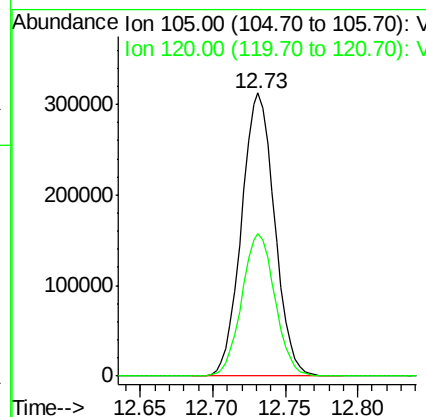
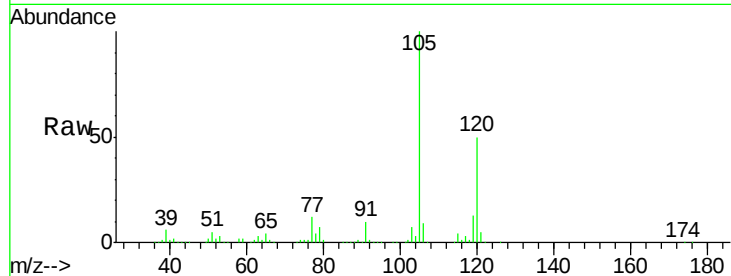
#80
 1,3,5-Trimethylbenzene
 Concen: 45.834 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion:105 Resp: 494502
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.7 74.1

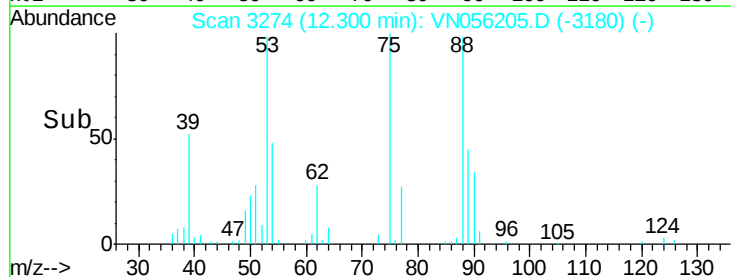
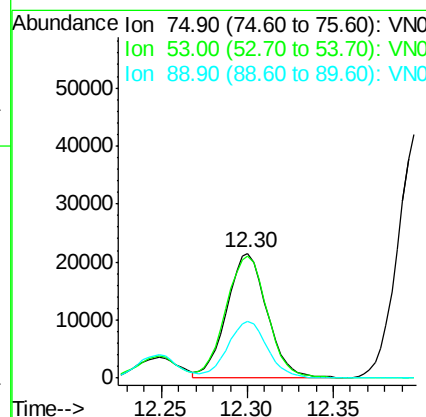
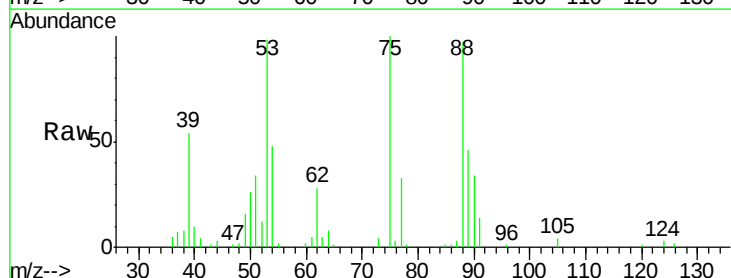
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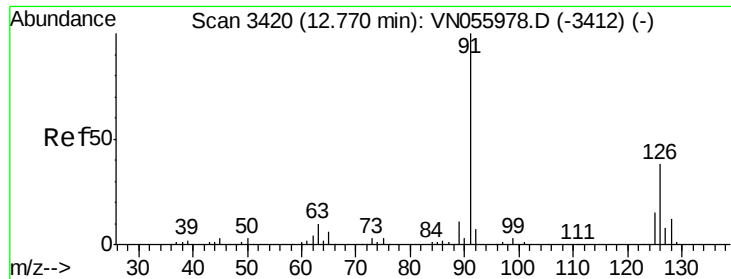
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.734 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion: 75 Resp: 35229
 Ion Ratio Lower Upper
 75 100
 53 100.9 68.1 102.1
 89 44.7 36.9 55.3





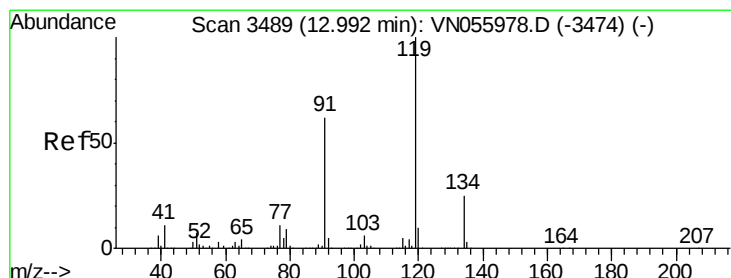
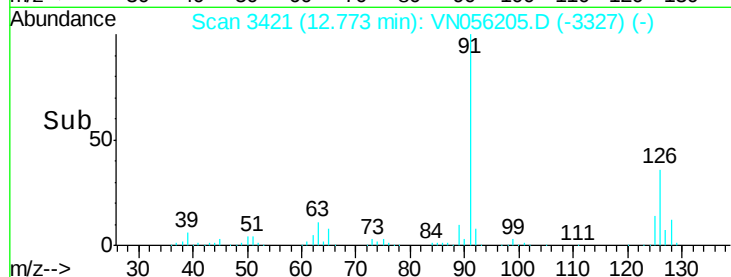
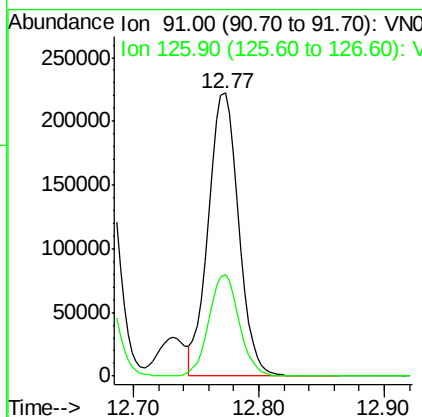
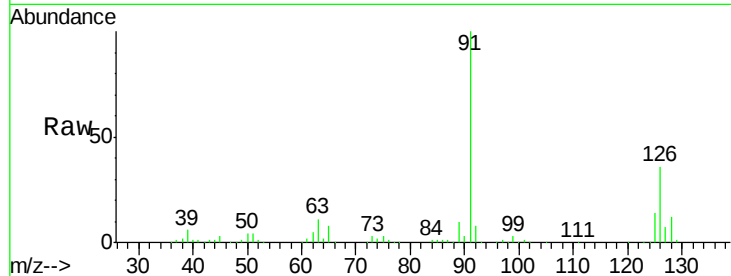
#82
4-Chlorotoluene
Concen: 47.245 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190605MS

Tot Ion: 91 Resp: 375226
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.3

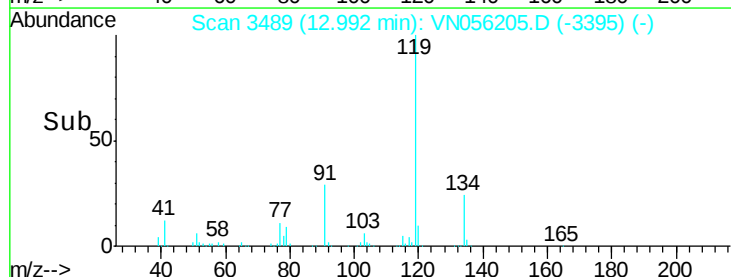
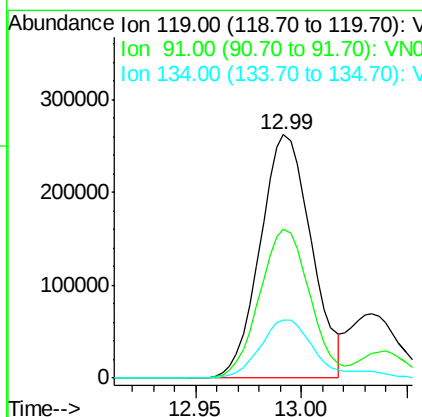
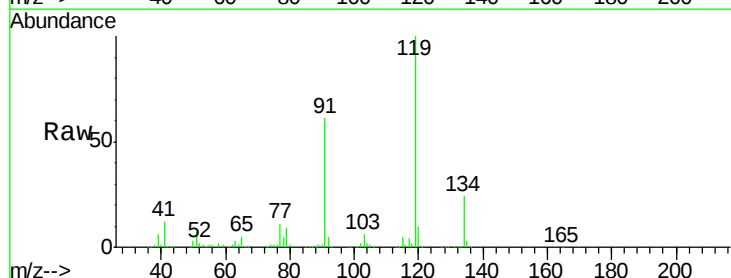
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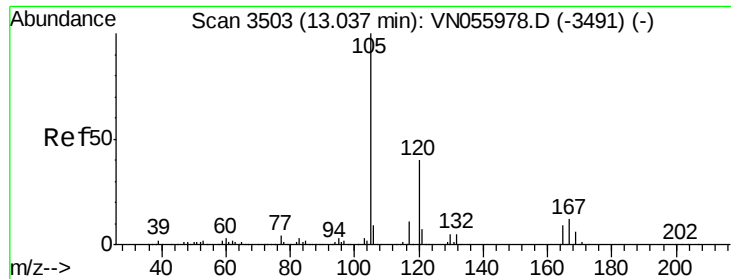
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#83
tert-Butylbenzene
Concen: 53.181 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056205.D
Acq: 11 Jun 2019 7:16

Tgt Ion: 119 Resp: 443737
Ion Ratio Lower Upper
119 100
91 60.1 30.9 92.8
134 24.7 13.3 39.8





#84

1,2,4-Trimethylbenzene

Concen: 47.424 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:105 Resp: 485210

Ion Ratio Lower Upper

105 100

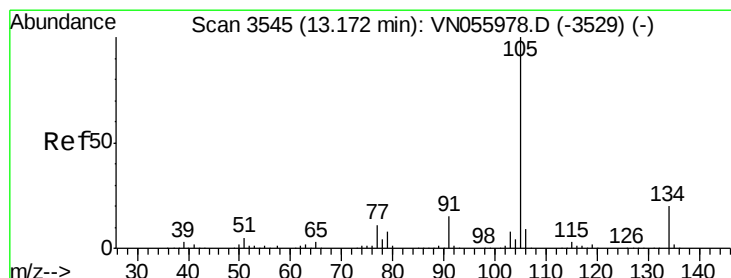
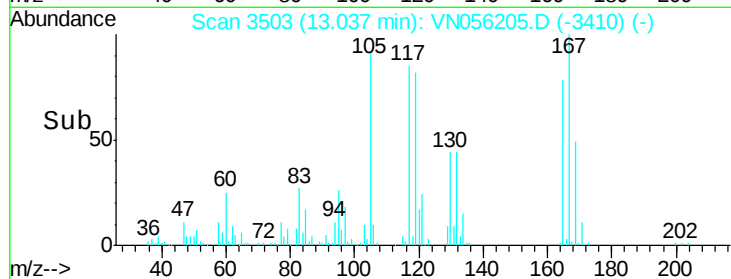
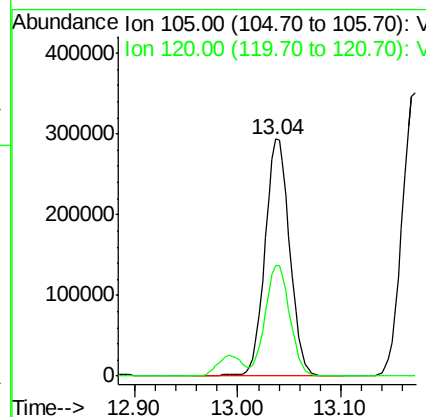
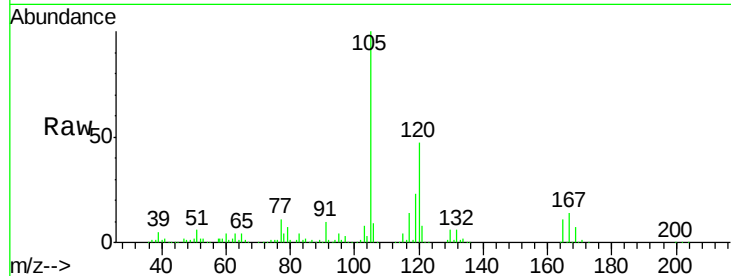
120 46.7 23.0 69.0

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#85

sec-Butylbenzene

Concen: 46.251 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056205.D

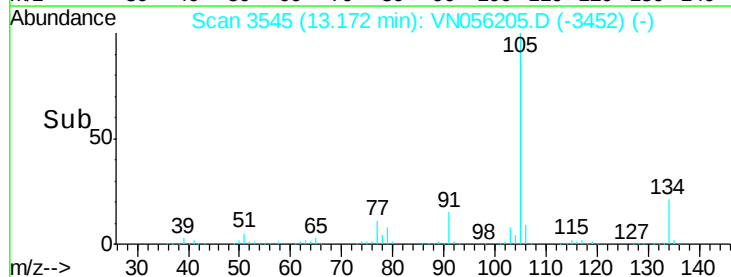
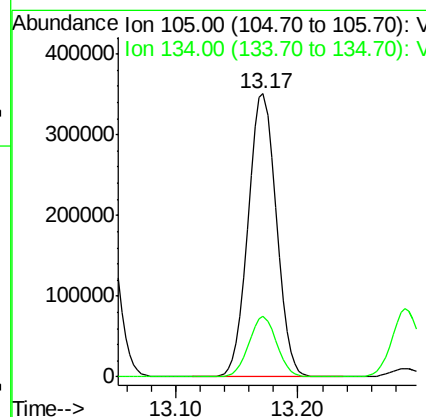
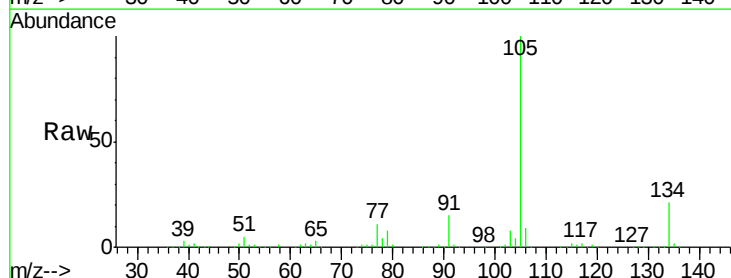
Acq: 11 Jun 2019 7:16

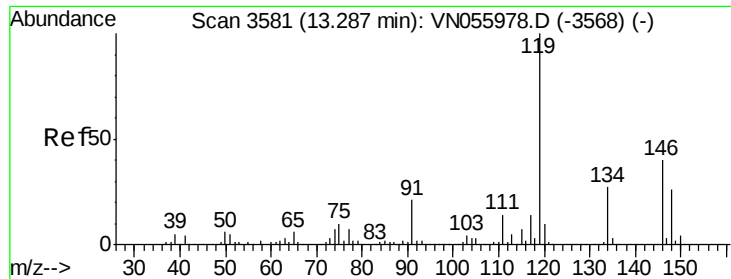
Tgt Ion:105 Resp: 556043

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2





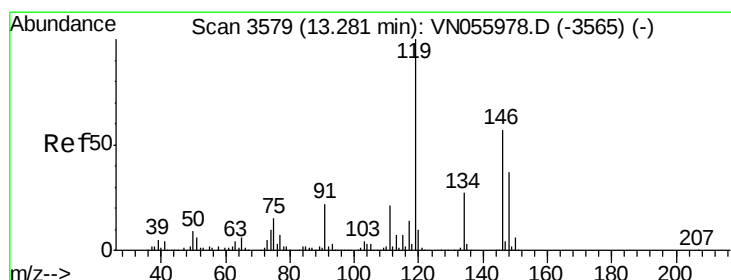
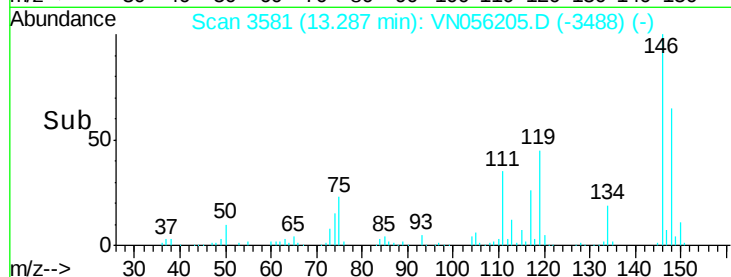
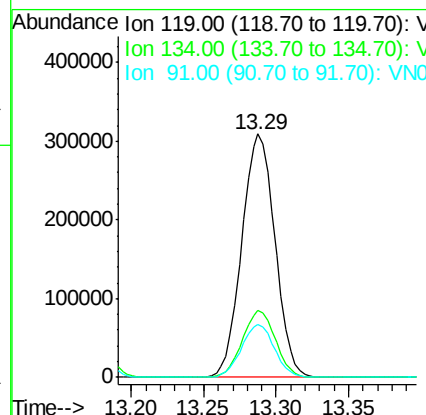
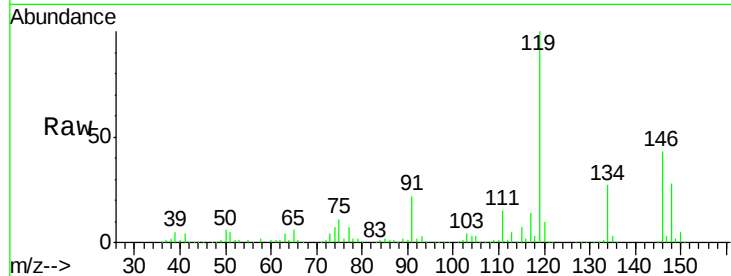
#86
 p-Isopropyltoluene
 Concen: 45.572 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490328		
134	27.4		13.4	40.1
91	21.7		10.9	32.9

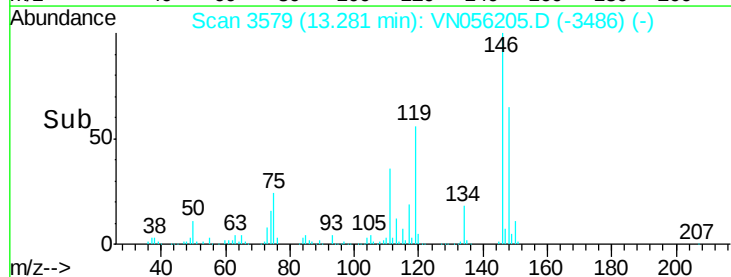
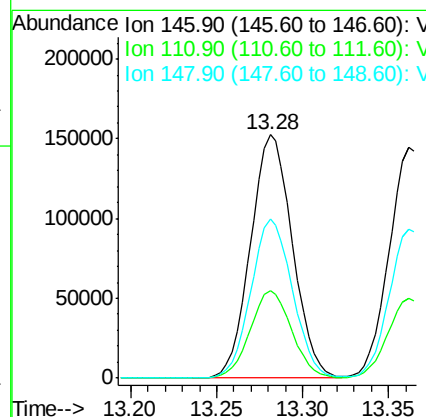
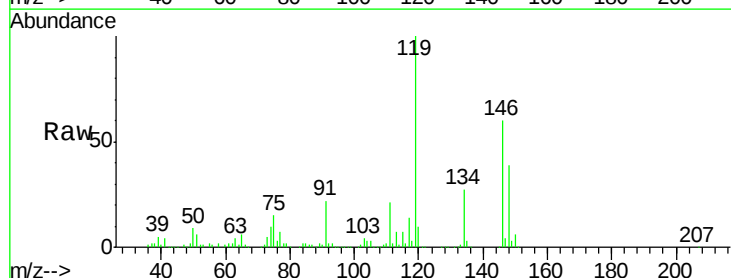
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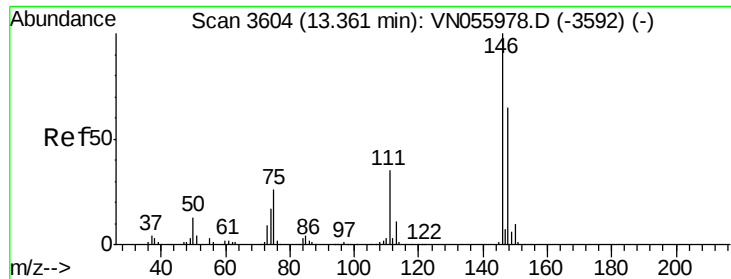
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#87
 1,3-Dichlorobenzene
 Concen: 48.557 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258188		
111	35.6		18.5	55.5
148	64.8		32.0	96.2





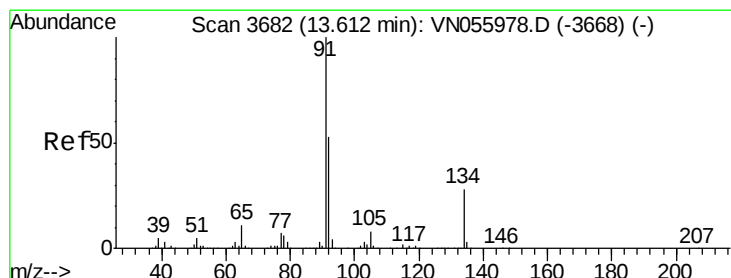
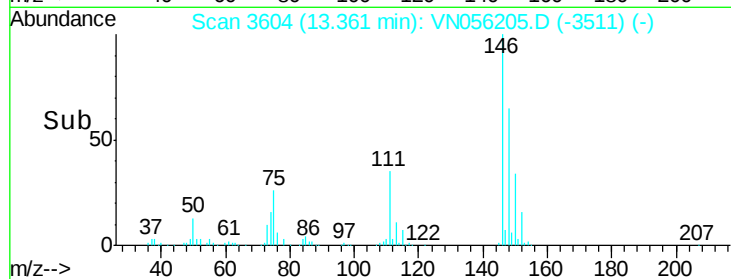
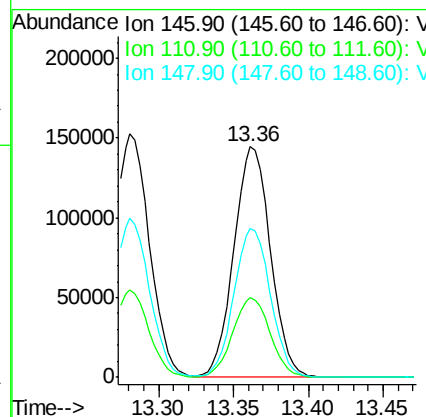
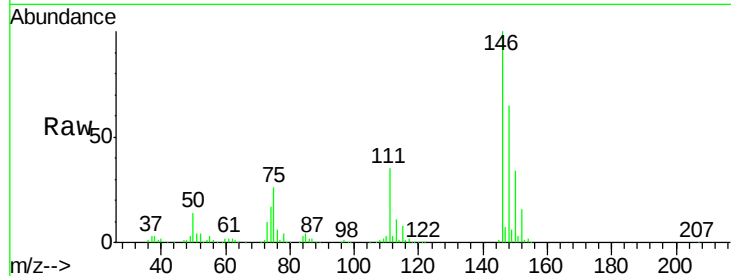
#88
 1,4-Dichlorobenzene
 Concen: 48.260 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.4
148	64.5	32.1	96.5

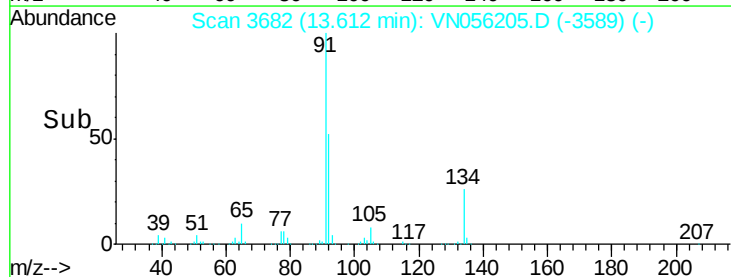
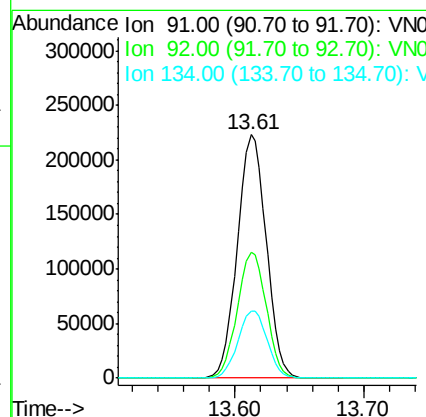
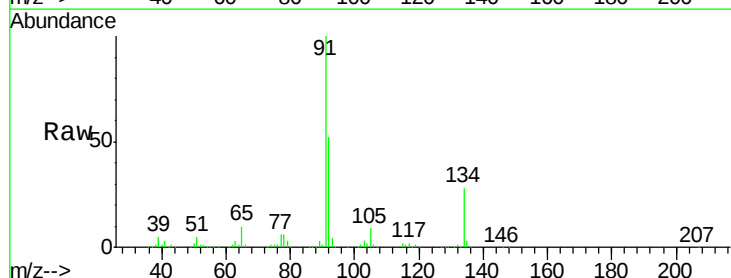
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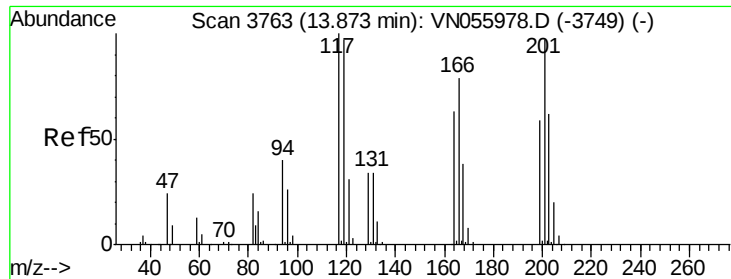
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 6/11/2019 11:58:35 AM



#89
 n-Butylbenzene
 Concen: 43.648 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.4	79.0
134	28.1	13.9	41.7





#90

Hexachloroethane

Concen: 51.362 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20190605MS

Tot Ion:117 Resp: 83341

Ion Ratio Lower Upper

117 100

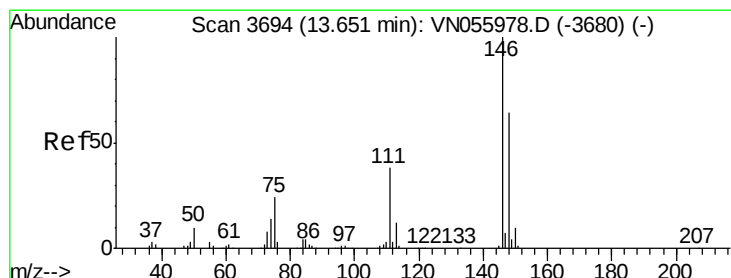
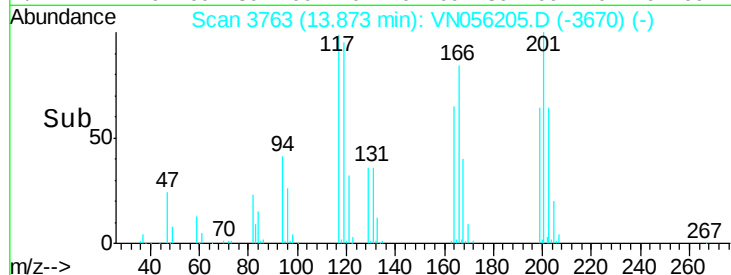
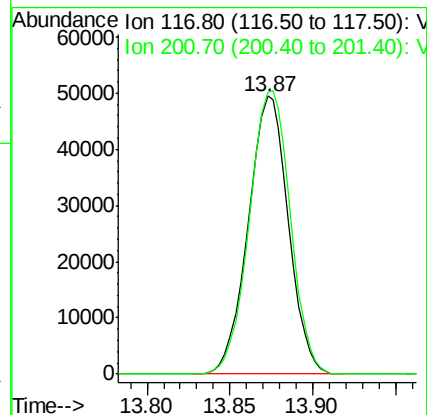
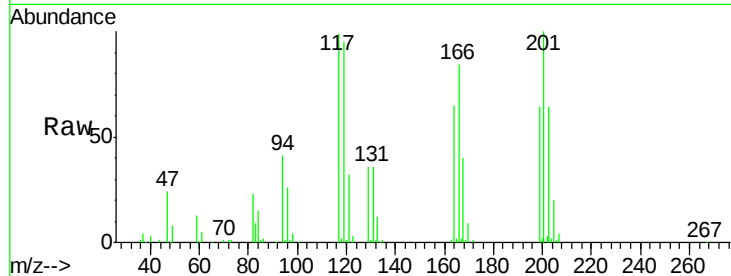
201 104.1 50.0 150.0

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#91

1,2-Dichlorobenzene

Concen: 49.043 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

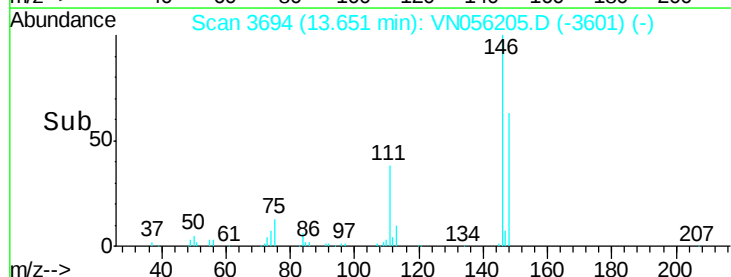
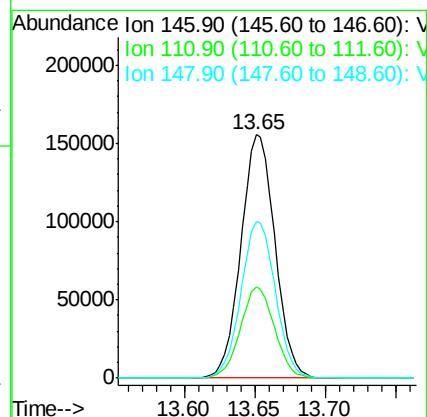
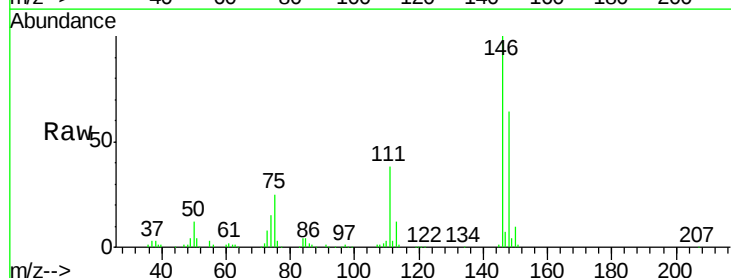
Tgt Ion:146 Resp: 263278

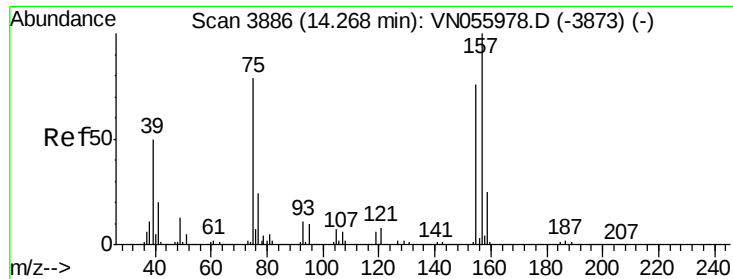
Ion Ratio Lower Upper

146 100

111 37.3 19.1 57.5

148 64.9 31.9 95.9





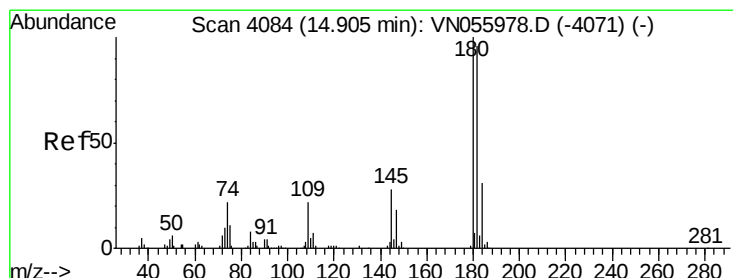
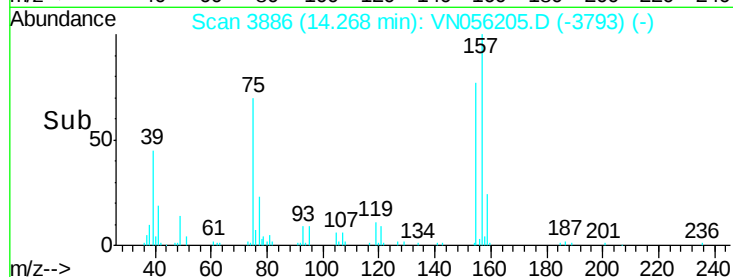
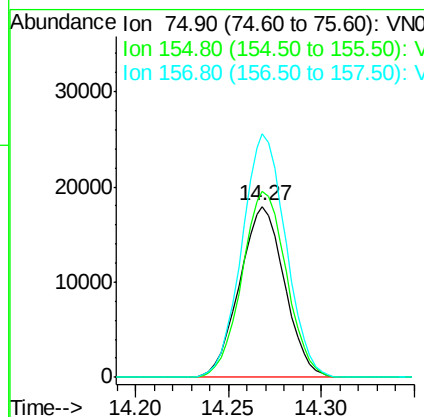
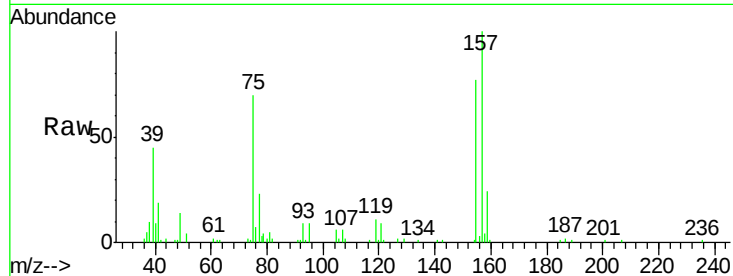
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.801 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	108.0	50.0	150.1
157	139.5	64.8	194.3

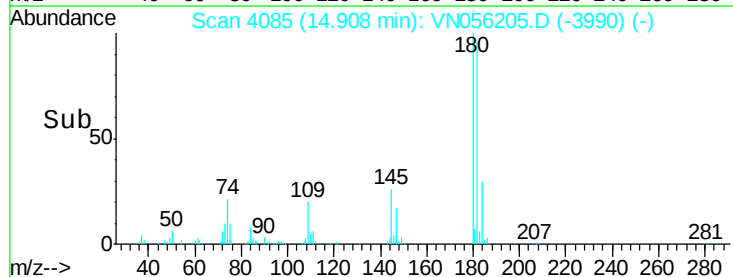
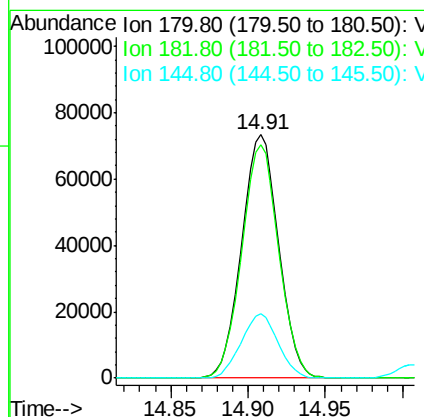
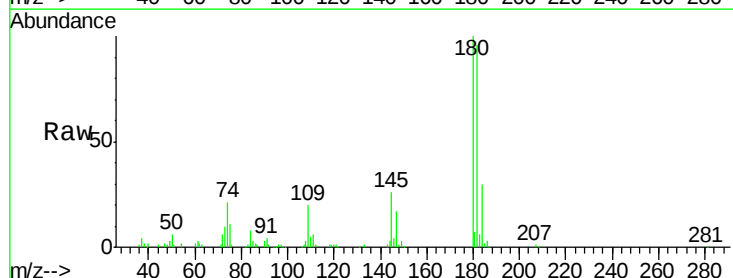
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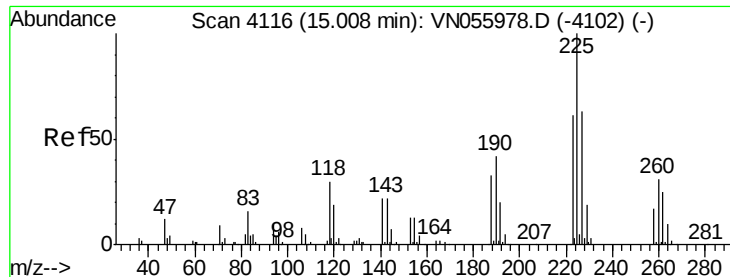
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#93
 1,2,4-Trichlorobenzene
 Concen: 41.928 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	26.4	14.0	41.9





#94

Hexachlorobutadiene

Concen: 50.619 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056205.D

Acq: 11 Jun 2019 7:16

Instrument :

MSVOA_N

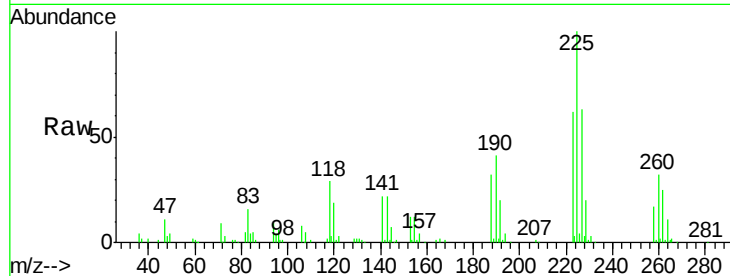
ClientSampleId :

RE123D1-20190605MS

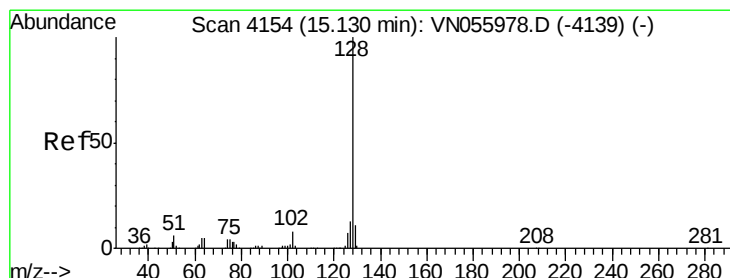
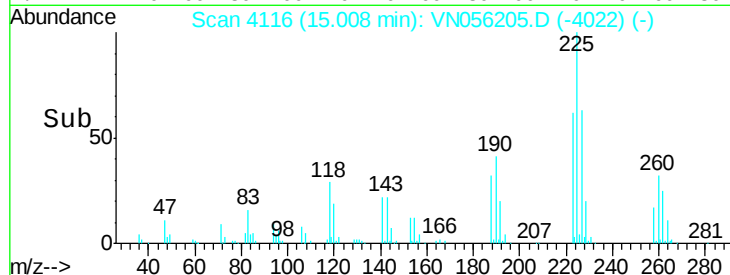
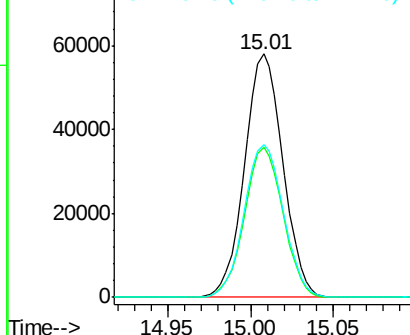
Tot Ion:	225	Resp:	93153
Ion Ratio		Lower	Upper
225	100		
223	61.9	30.9	92.7
227	64.3	31.6	94.7

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 43.436 ug/l

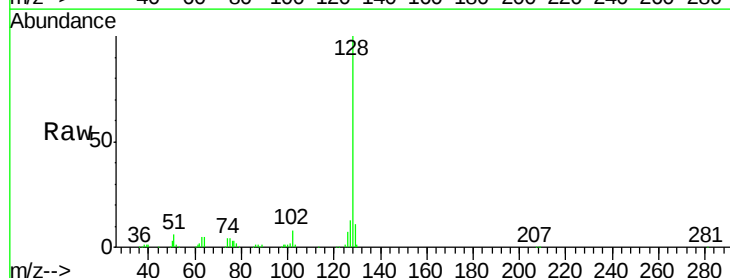
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

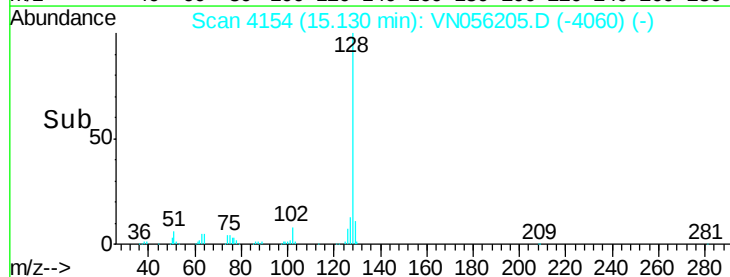
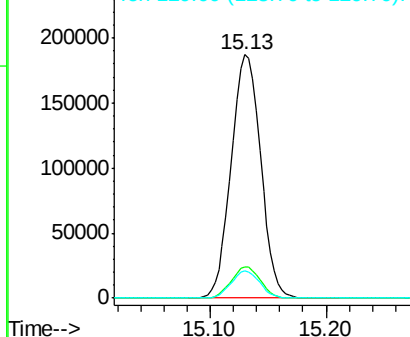
Lab File: VN056205.D

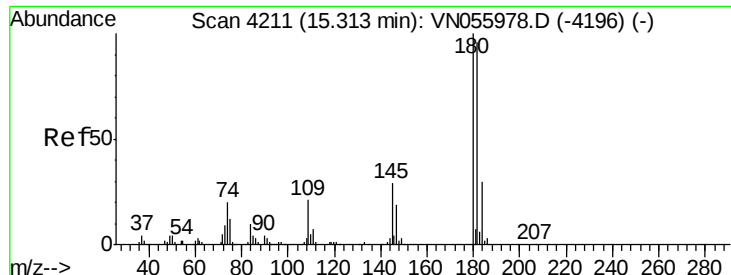
Acq: 11 Jun 2019 7:16

Tgt Ion:	128	Resp:	329174
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





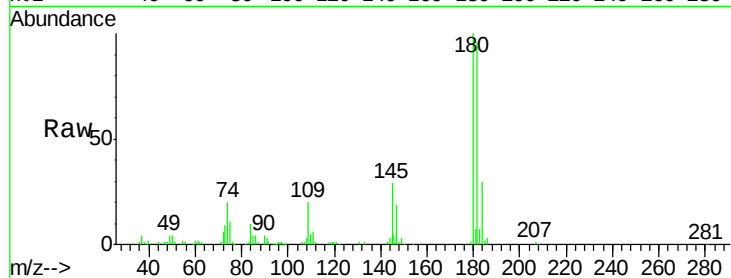
#96
 1,2,3-Trichlorobenzene
 Concen: 46.276 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056205.D
 Acq: 11 Jun 2019 7:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190605MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	47.9	143.7
145	29.0	14.9	44.7

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

