

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056101.D
 Acq On : 7 Jun 2019 16:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:45 AM

Quant Time: Jun 08 06:21:18 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	310193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	149991	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	135996	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	10.09	98	514812	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	181151	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	162812	47.792	ug/l	99
3) Chloromethane	2.06	50	166449	49.501	ug/l	98
4) Vinyl Chloride	2.18	62	167903	49.780	ug/l	99
5) Bromomethane	2.53	94	97876	45.937	ug/l	99
6) Chloroethane	2.68	64	93587	47.856	ug/l	99
7) Trichlorofluoromethane	3.00	101	209193	48.583	ug/l	100
8) Diethyl Ether	3.40	74	83718	47.279	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	137283	52.486	ug/l	98
10) Methyl Iodide	3.94	142	189134	45.502	ug/l	98
11) Tert butyl alcohol	4.82	59	122837	229.182	ug/l	98
12) 1,1-Dichloroethene	3.72	96	127932	49.128	ug/l	96
13) Acrolein	3.60	56	40182	259.942	ug/l	96
14) Allyl chloride	4.31	41	202881	49.340	ug/l	99
15) Acrylonitrile	4.99	53	355556	272.514	ug/l	99
16) Acetone	3.82	43	355951	241.643	ug/l	100
17) Carbon Disulfide	4.04	76	276193	44.297	ug/l	100
18) Methyl Acetate	4.32	43	158124	54.703	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	416267	50.150	ug/l	99
20) Methylene Chloride	4.54	84	149221	49.170	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	137104	49.139	ug/l	98
22) Diisopropyl ether	5.95	45	427878	50.339	ug/l	98
23) Vinyl Acetate	5.89	43	1746095	260.857	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245726	50.117	ug/l	99
25) 2-Butanone	6.84	43	494176	265.522	ug/l	100
26) 2,2-Dichloropropane	6.82	77	182959	47.821	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	162616	49.583	ug/l	98
28) Bromochloromethane	7.19	49	113738	49.053	ug/l	99
29) Tetrahydrofuran	7.21	42	305688	265.712	ug/l	99
30) Chloroform	7.37	83	247881	50.257	ug/l	99
31) Cyclohexane	7.65	56	228599	46.775	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	202629	49.196	ug/l	100
36) 1,1-Dichloropropene	7.79	75	184948	48.991	ug/l	99
37) Ethyl Acetate	6.93	43	184327	54.876	ug/l	100
38) Carbon Tetrachloride	7.77	117	173148	49.748	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235673	50.114	ug/l	98
40) Benzene	8.04	78	584598	50.986	ug/l	100
41) Methacrylonitrile	7.17	41	92496	59.851	ug/l	99
42) 1,2-Dichloroethane	8.12	62	183389	49.723	ug/l	99
43) Isopropyl Acetate	8.17	43	288306	52.967	ug/l #	92
44) Trichloroethene	8.83	130	162723	49.389	ug/l	100
45) 1,2-Dichloropropane	9.12	63	154245	52.519	ug/l	100
46) Dibromomethane	9.21	93	98585	51.332	ug/l	99
47) Bromodichloromethane	9.40	83	177861	51.098	ug/l	100
48) Methyl methacrylate	9.20	41	143655	53.947	ug/l	96
49) 1,4-Dioxane	9.20	88	65362	1136.945	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	924567	271.625	ug/l	100
52) Toluene	10.15	92	369713	51.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190634	46.871	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	221989	53.057	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	147740	52.275	ug/l	98
56) Ethyl methacrylate	10.43	69	223125	54.115	ug/l	98
57) 1,3-Dichloropropane	10.71	76	241743	52.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	410056	250.786	ug/l	100
59) 2-Hexanone	10.75	43	666344	270.100	ug/l	100
60) Dibromochloromethane	10.90	129	145270	46.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	153241	53.038	ug/l	98
64) Tetrachloroethene	10.63	164	165559	48.306	ug/l	98
65) Chlorobenzene	11.43	112	401233	50.918	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140303	51.565	ug/l	99
67) Ethyl Benzene	11.51	91	692522	50.541	ug/l	98
68) m/p-Xylenes	11.62	106	536626	102.520	ug/l	99
69) o-Xylene	11.95	106	259580	50.415	ug/l	100
70) Styrene	11.96	104	438824	53.641	ug/l	99
71) Bromoform	12.13	173	102311	45.074	ug/l #	99
73) Isopropylbenzene	12.25	105	690222	52.994	ug/l	100
74) N-amyl acetate	12.07	43	243182	49.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	206393	48.524	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	166159m	49.285	ug/l	
77) Bromobenzene	12.53	156	185313	47.240	ug/l	96
78) n-propylbenzene	12.59	91	757380	48.861	ug/l	100
79) 2-Chlorotoluene	12.67	91	453258	52.851	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	577798	46.902	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51019	50.395	ug/l	91
82) 4-Chlorotoluene	12.77	91	448431	49.449	ug/l	100
83) tert-Butylbenzene	12.99	119	503771	52.861	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	571852	48.950	ug/l	100
85) sec-Butylbenzene	13.17	105	663639	48.345	ug/l	99
86) p-Isopropyltoluene	13.29	119	606368	49.357	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	307562	50.658	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297588	50.954	ug/l	99
89) n-Butylbenzene	13.61	91	471607	51.820	ug/l	100
90) Hexachloroethane	13.87	117	88398	47.712	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	302110	49.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31206	51.295	ug/l	96

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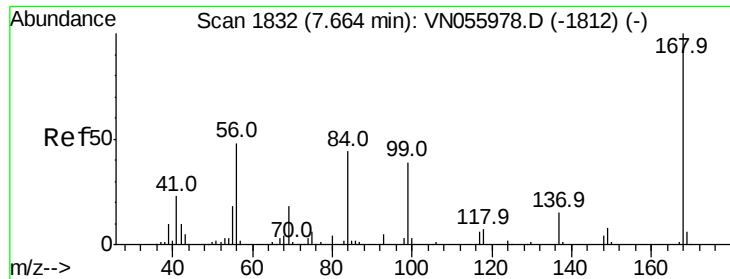
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152251	45.494	ug/l	100
94) Hexachlorobutadiene	15.01	225	114488	54.651	ug/l	99
95) Naphthalene	15.13	128	394058	45.353	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162325	47.327	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 310193

Ion Ratio Lower Upper

168 100

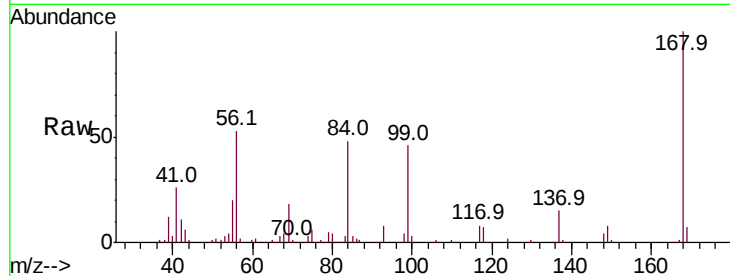
99 45.6 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

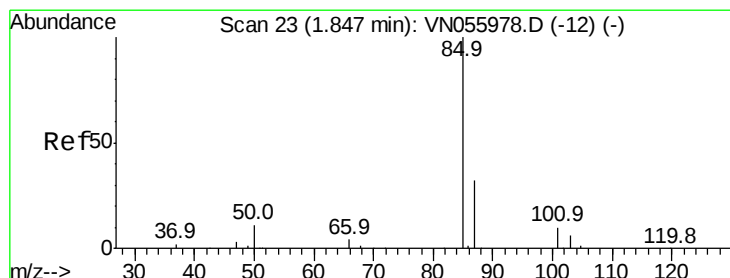
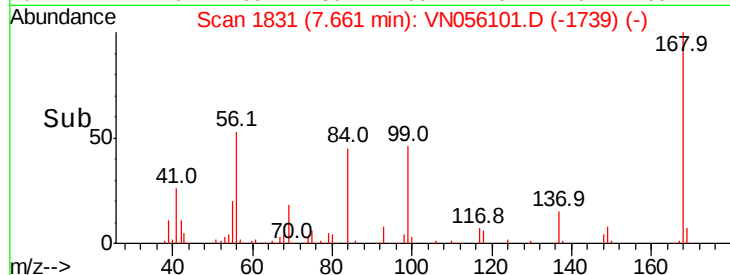
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100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 47.792 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056101.D

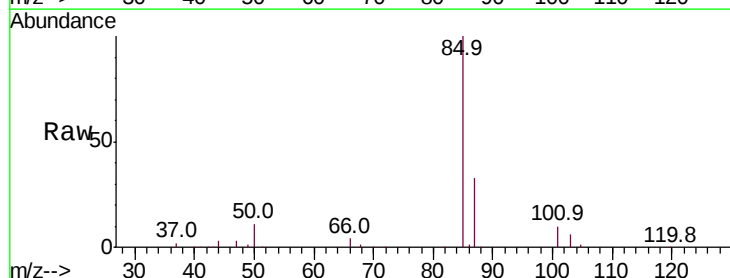
Acq: 7 Jun 2019 16:18

Tgt Ion: 85 Resp: 162812

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

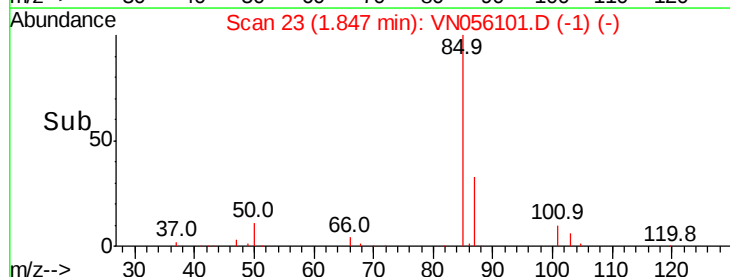
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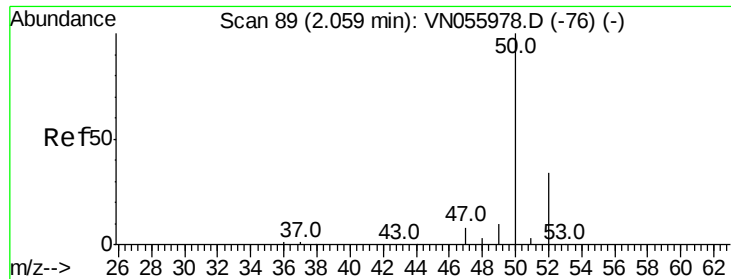
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20000

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Time-->





#3

Chloromethane

Concen: 49.501 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 166449

Ion Ratio Lower Upper

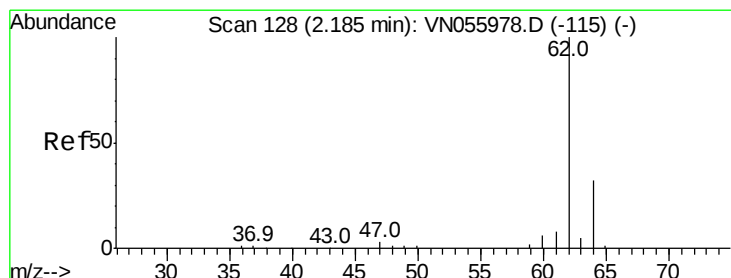
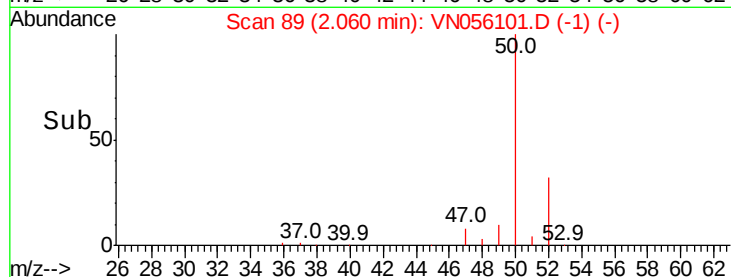
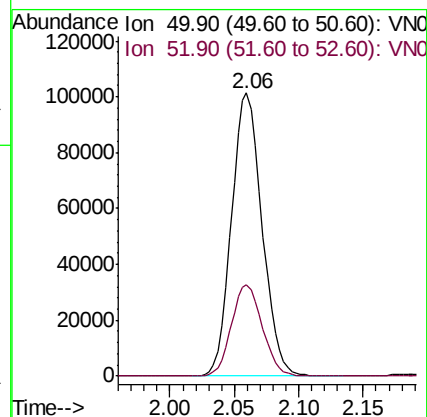
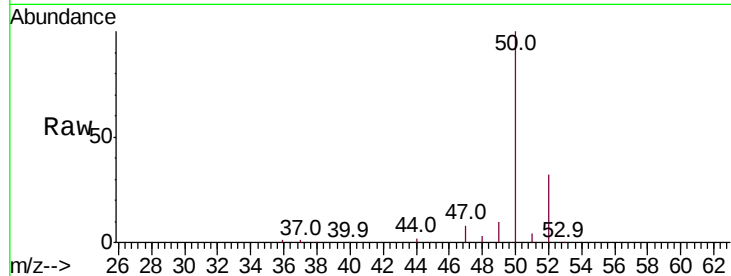
50 100

52 32.3 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.780 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056101.D

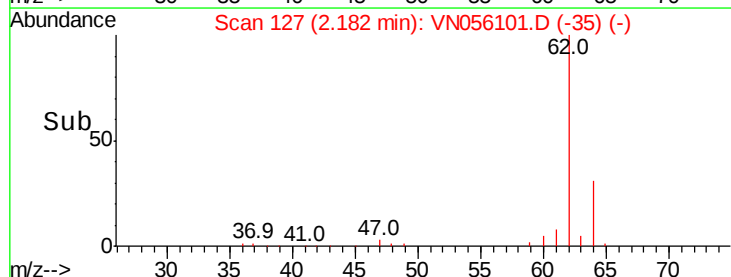
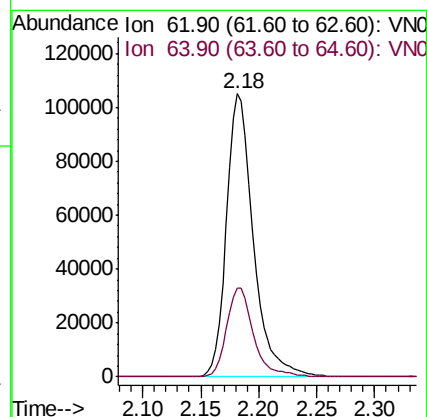
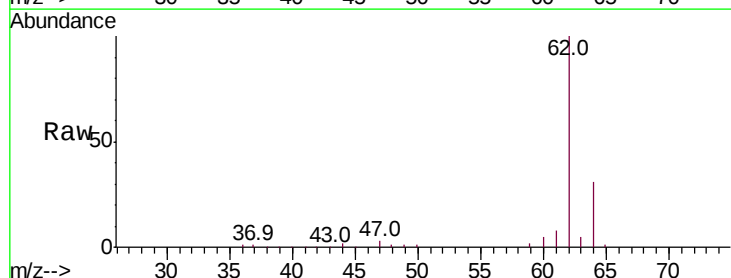
Acq: 7 Jun 2019 16:18

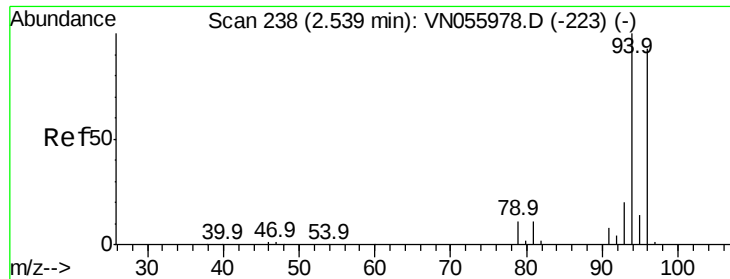
Tgt Ion: 62 Resp: 167903

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





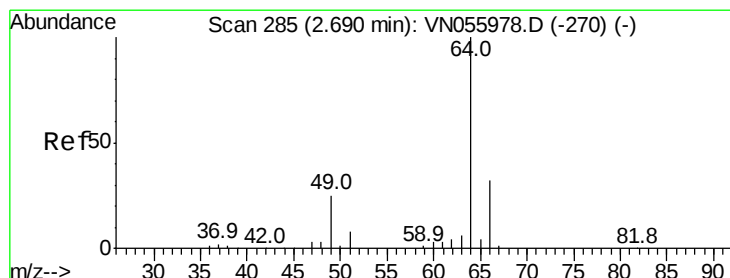
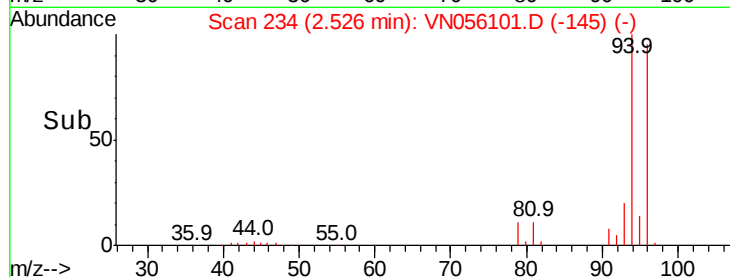
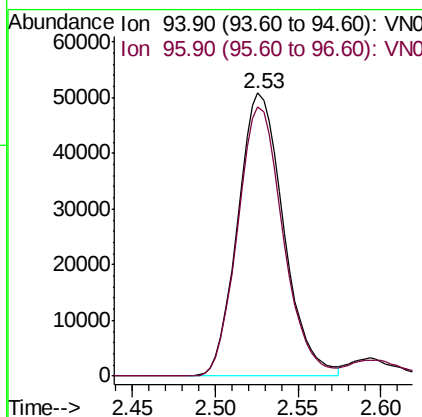
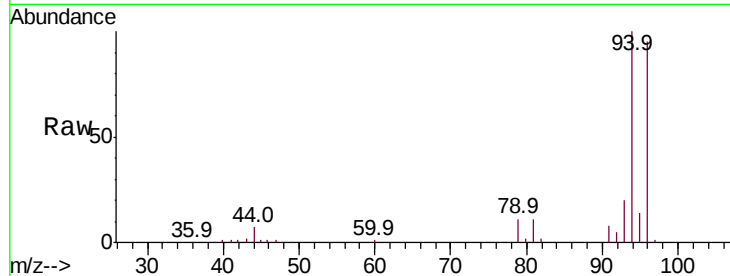
#5
Bromomethane
Concen: 45.937 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 97876
Ion Ratio Lower Upper
94 100
96 95.2 75.5 113.3

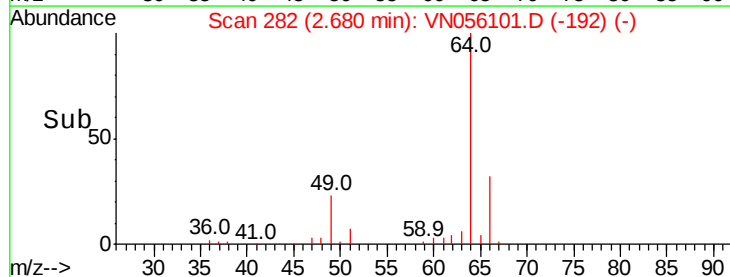
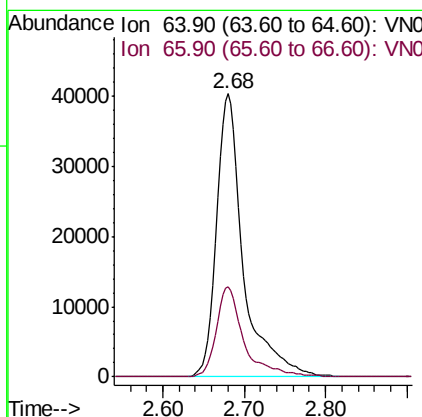
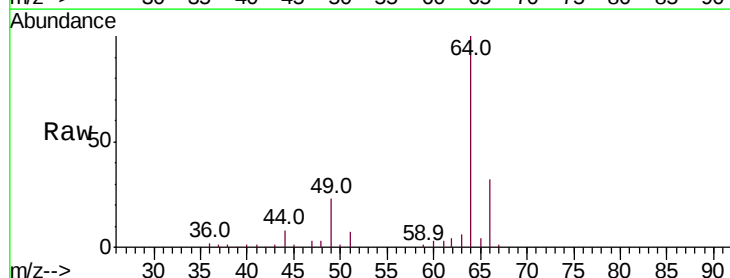
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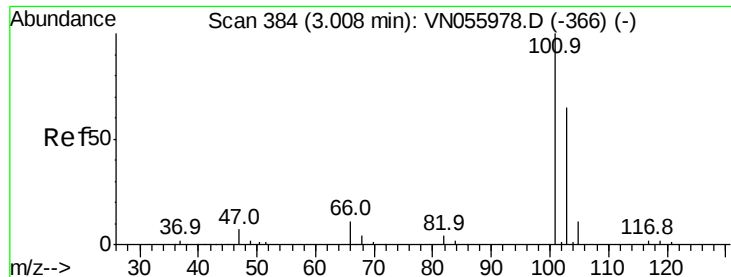
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#6
Chloroethane
Concen: 47.856 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion: 64 Resp: 93587
Ion Ratio Lower Upper
64 100
66 32.0 25.4 38.0





#7

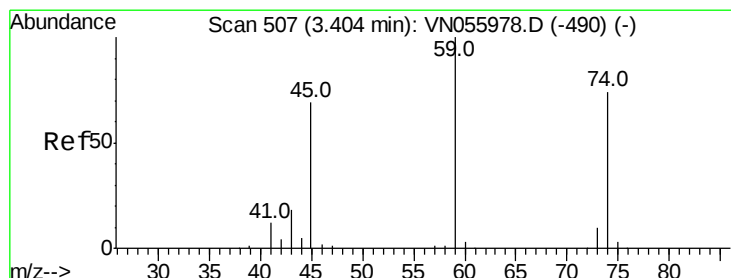
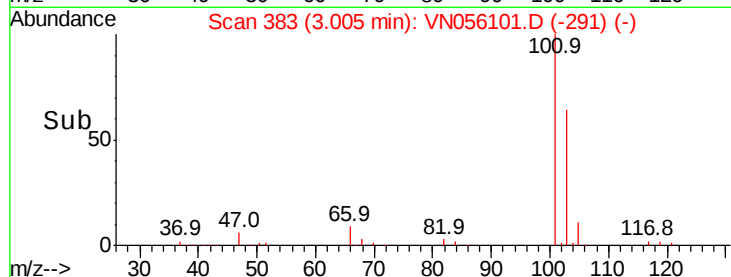
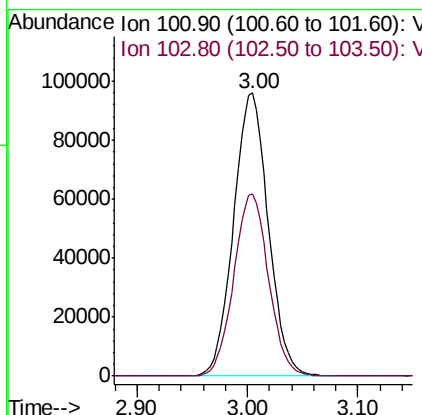
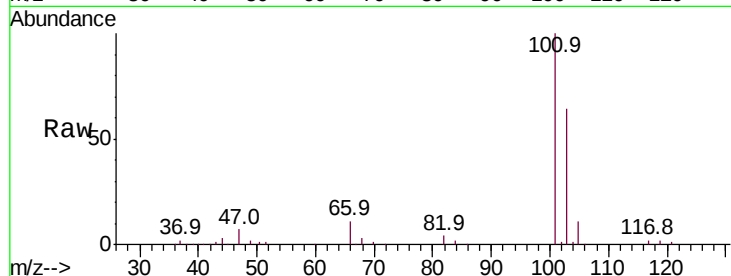
Trichlorofluoromethane
 Concen: 48.583 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 209193
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

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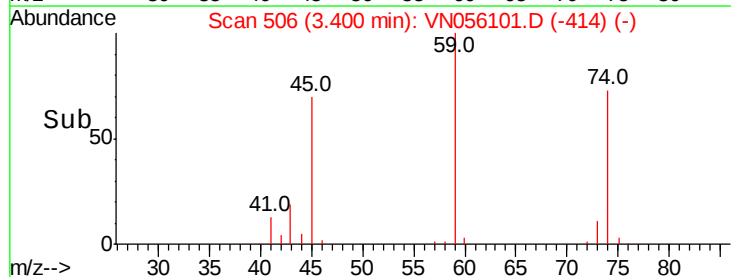
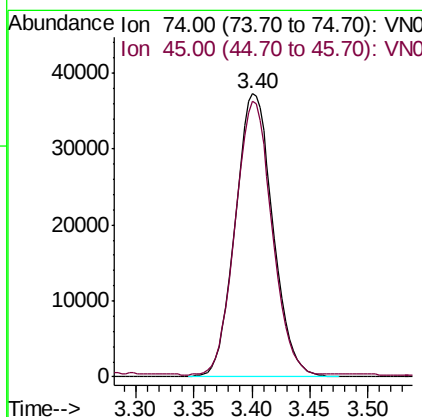
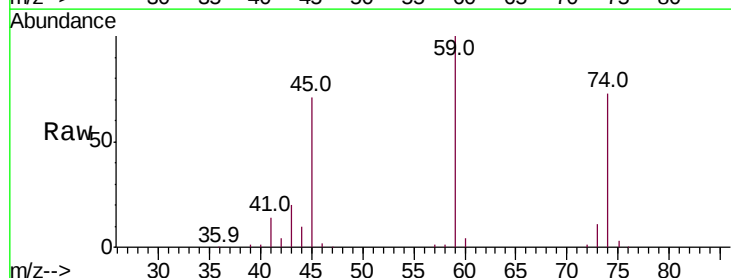
MMDadoda
 6/10/2019 11:26:45 AM

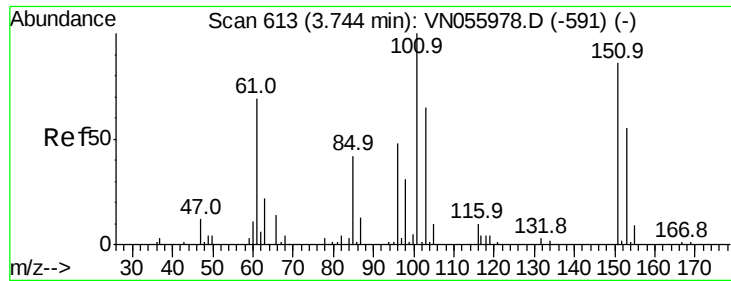


#8

Diethyl Ether
 Concen: 47.279 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion: 74 Resp: 83718
 Ion Ratio Lower Upper
 74 100
 45 94.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.486 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

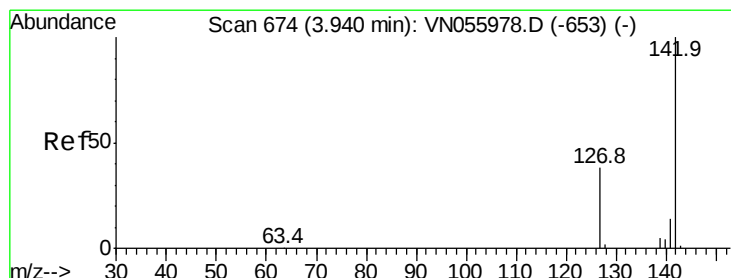
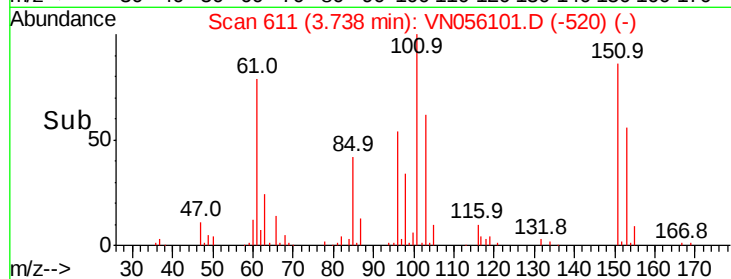
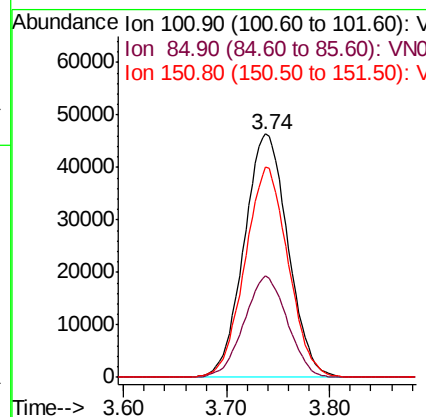
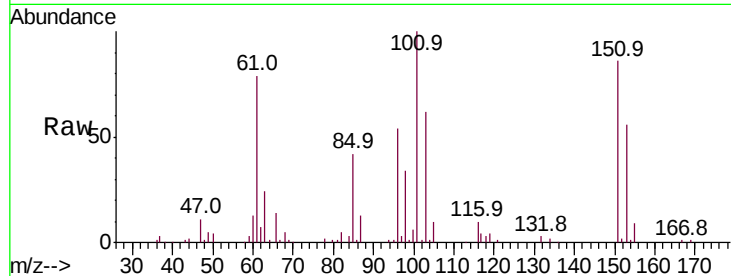
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	137283
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.2
151	84.9	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 45.502 ug/l

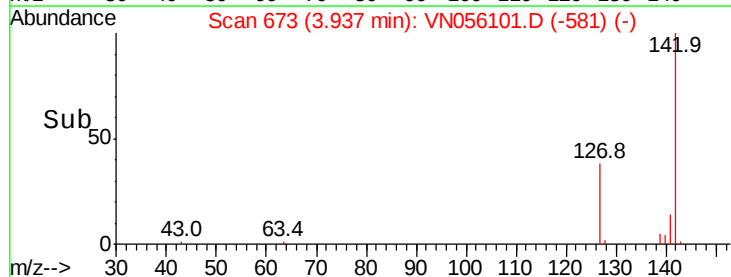
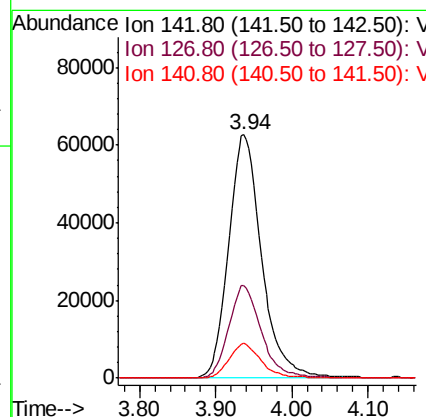
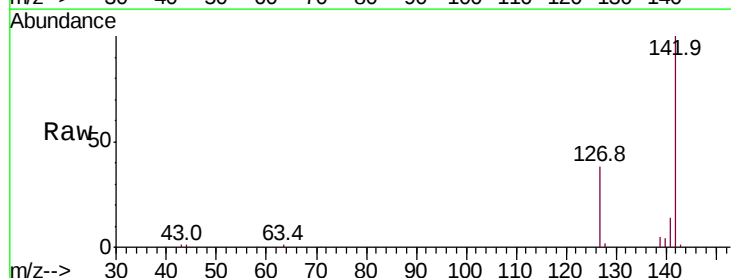
RT: 3.94 min Scan# 673

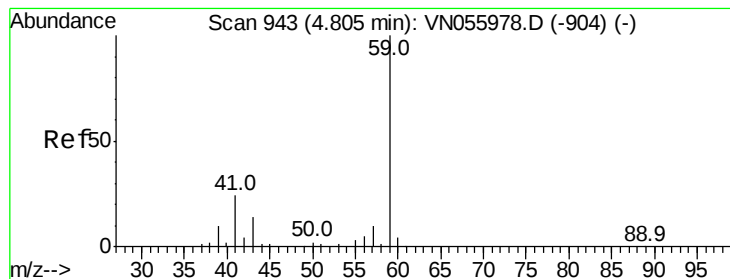
Delta R.T. -0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	142	Resp:	189134
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.4
141	13.5	11.4	17.0





#11

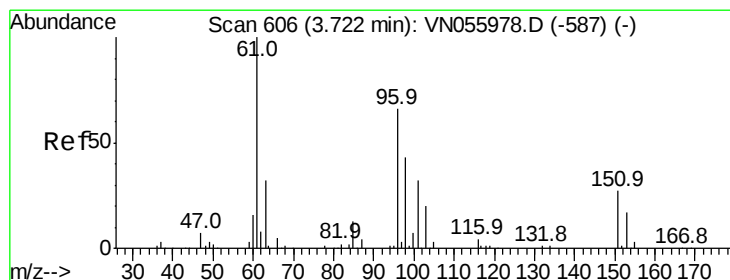
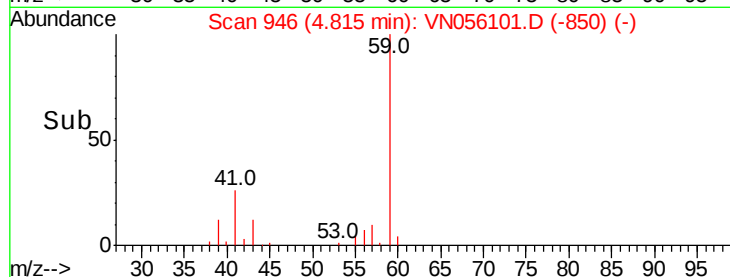
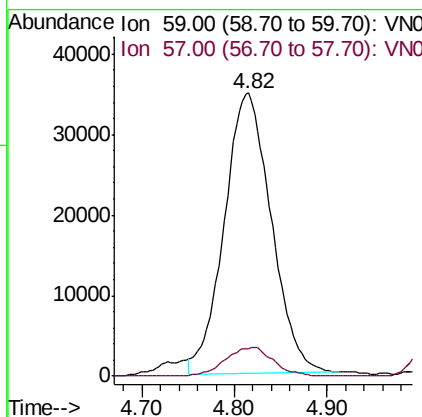
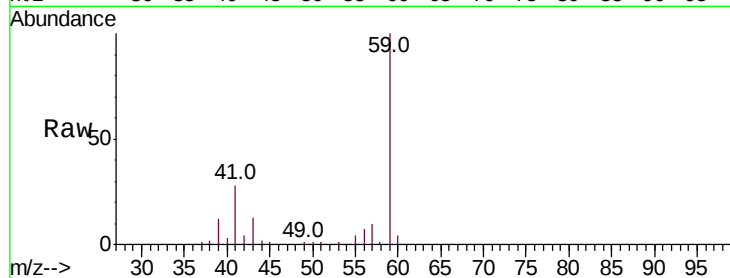
Tert butyl alcohol
Concen: 229.182 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	122837
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.6

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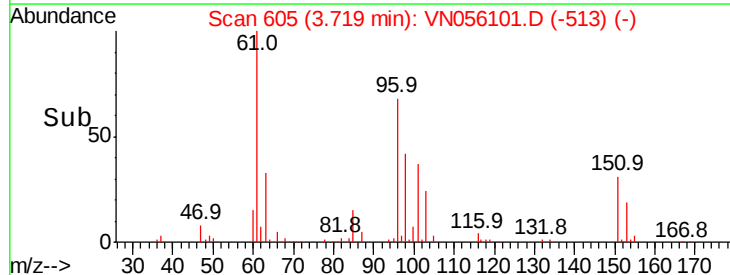
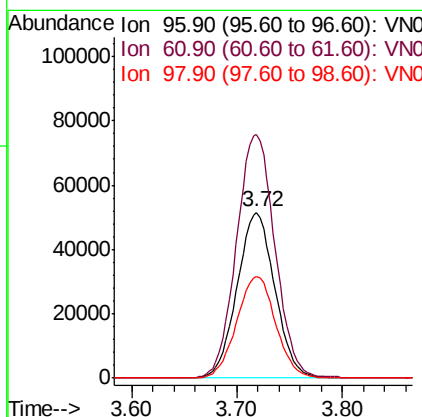
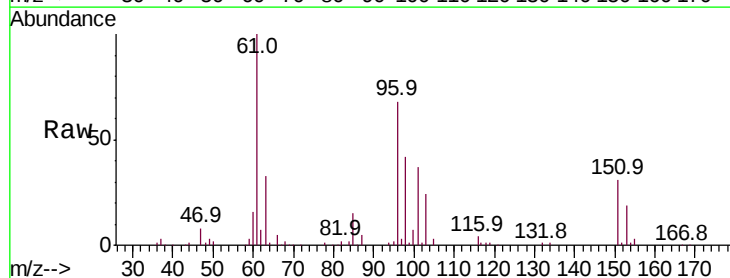
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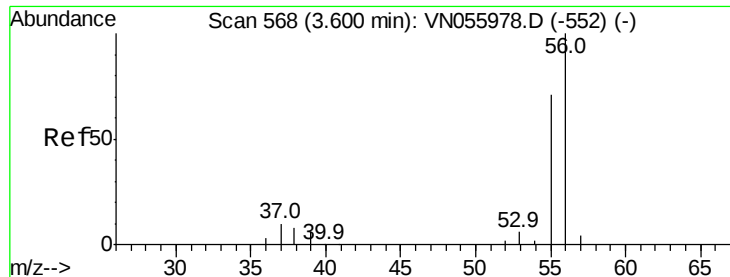


#12

1,1-Dichloroethene
Concen: 49.128 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	96	Resp	127932
Ion	Ratio	Lower	Upper
96	100		
61	147.1	123.2	184.8
98	61.5	50.4	75.6





#13

Acrolein

Concen: 259.942 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40182

Ion Ratio Lower Upper

56 100

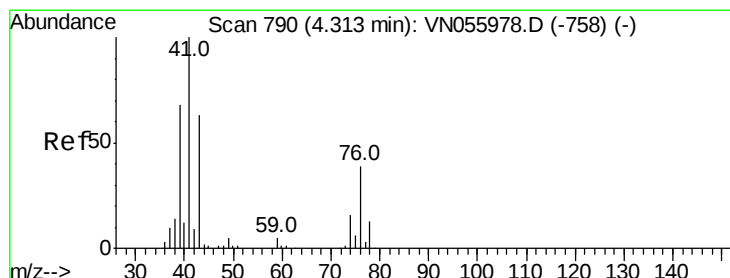
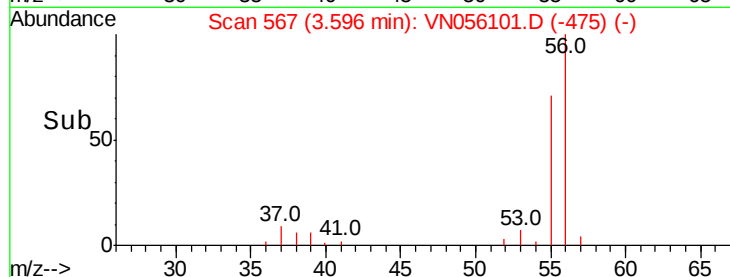
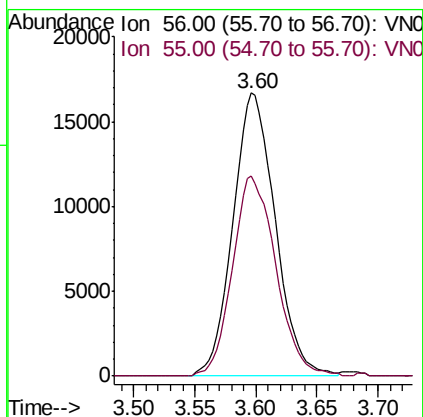
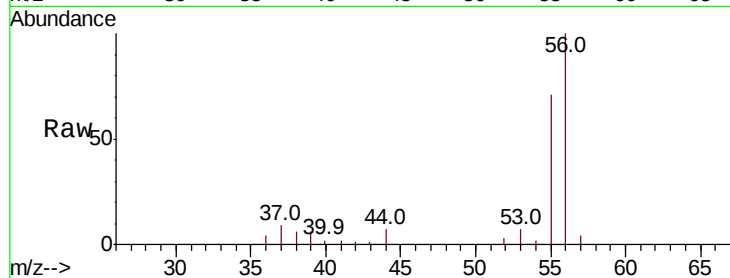
55 72.5 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.340 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

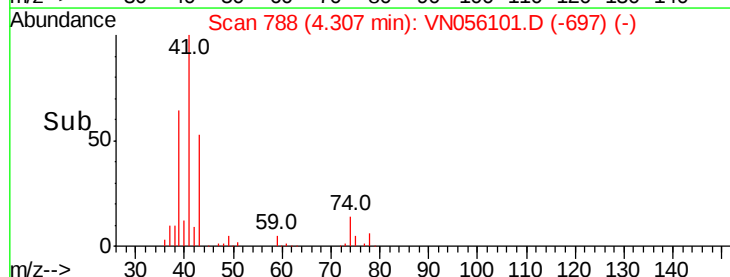
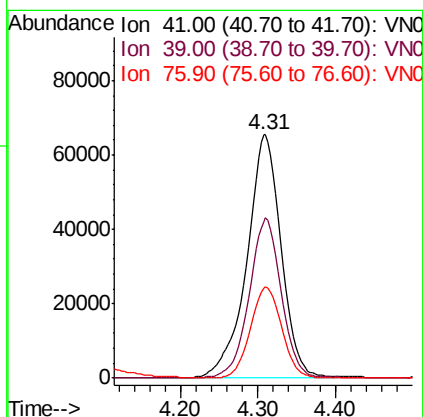
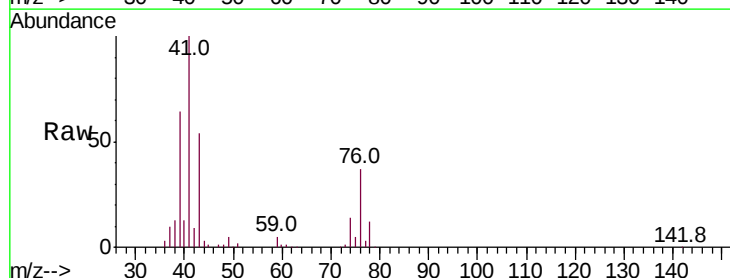
Tgt Ion: 41 Resp: 202881

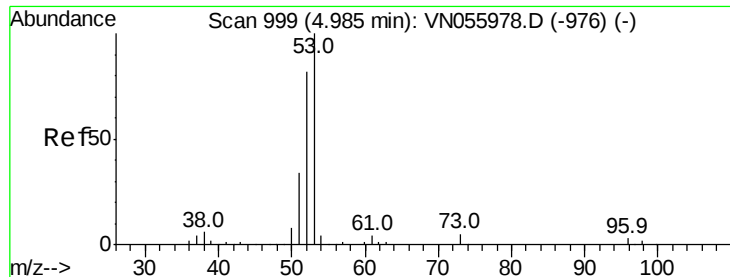
Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 272.514 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

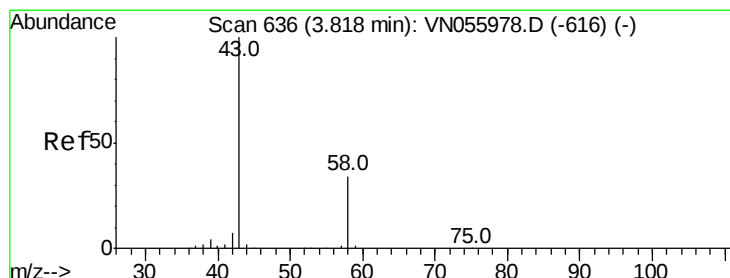
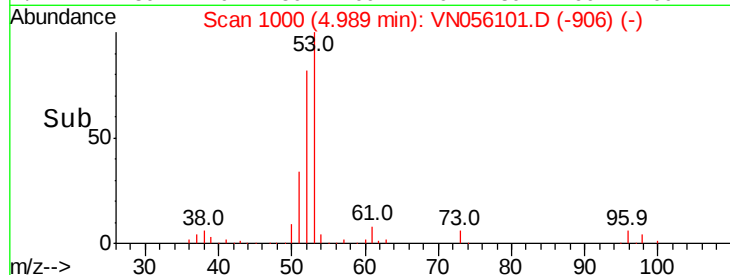
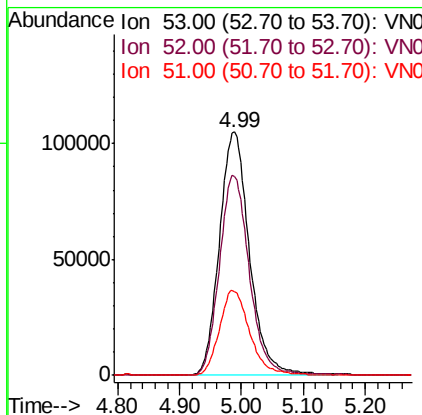
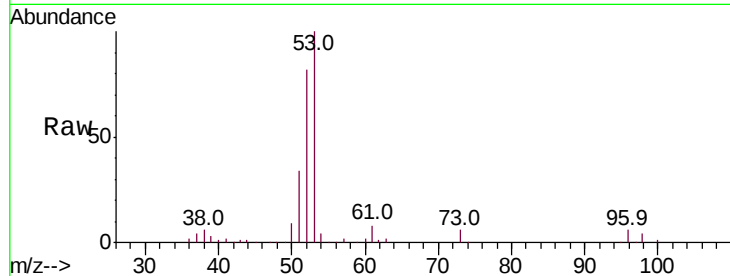
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	355556
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.8
51	35.2	28.2	42.4

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#16

Acetone

Concen: 241.643 ug/l

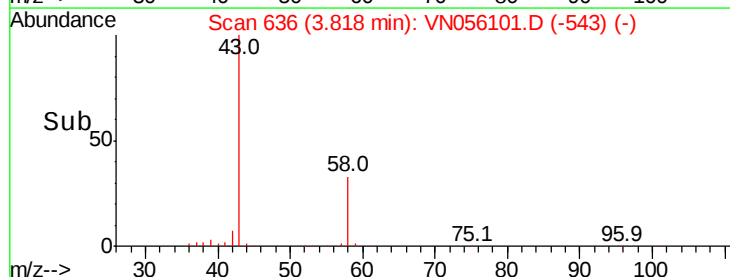
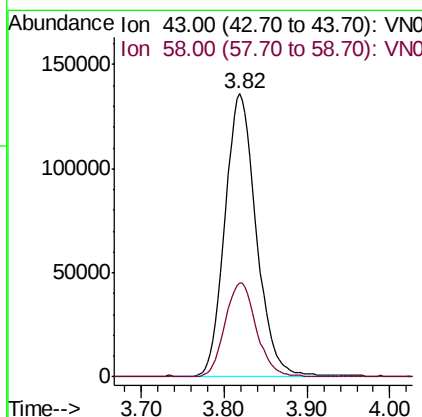
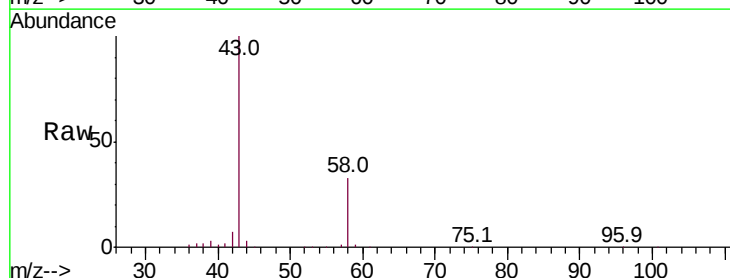
RT: 3.82 min Scan# 636

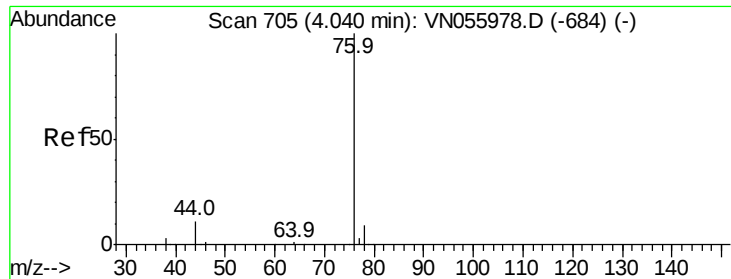
Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	43	Resp:	355951
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.6	39.8





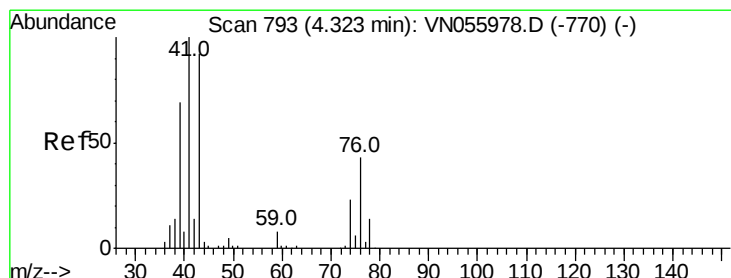
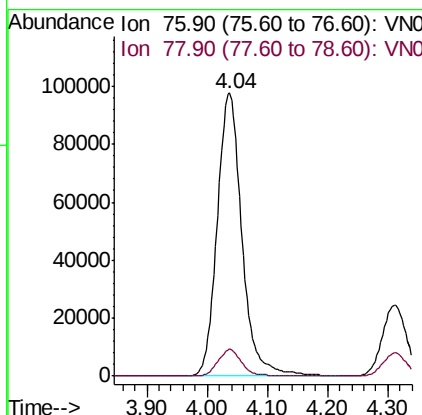
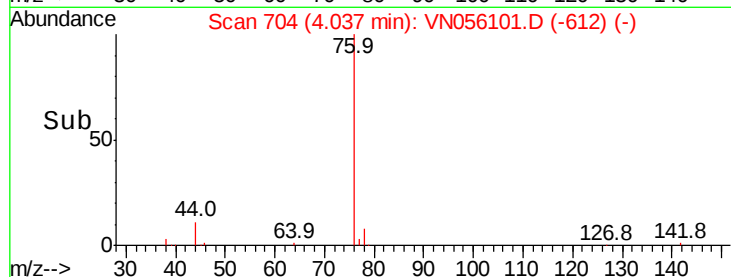
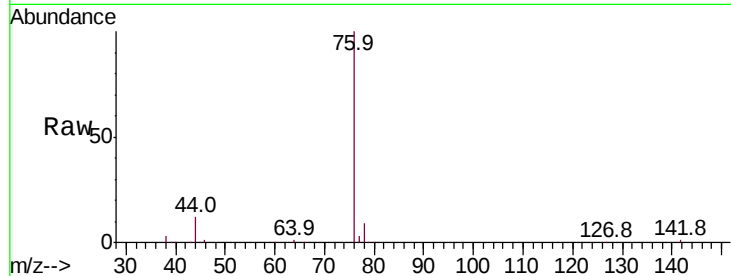
#17
Carbon Disulfide
Concen: 44.297 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

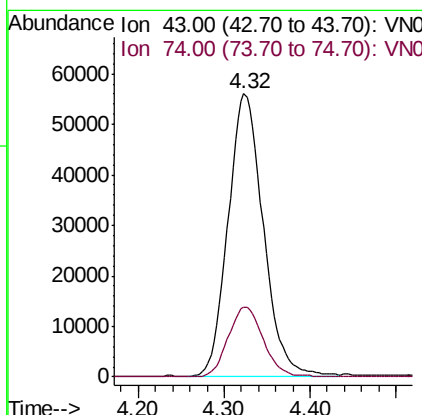
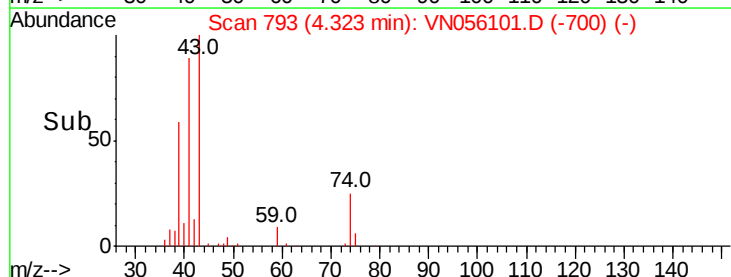
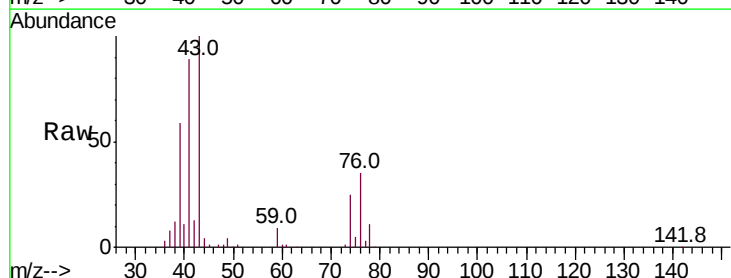
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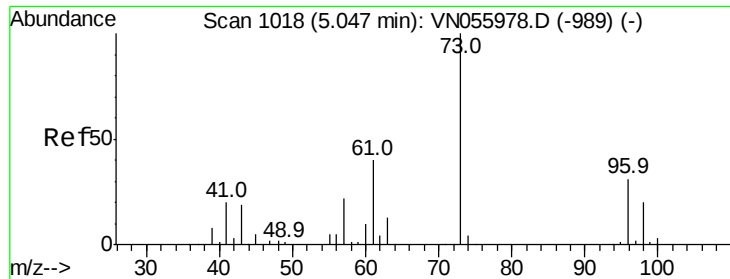
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#18
Methyl Acetate
Concen: 54.703 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.3	28.9





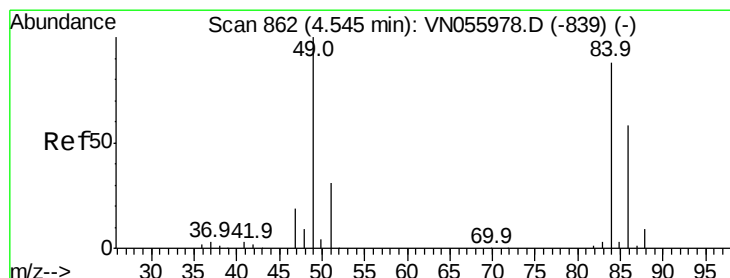
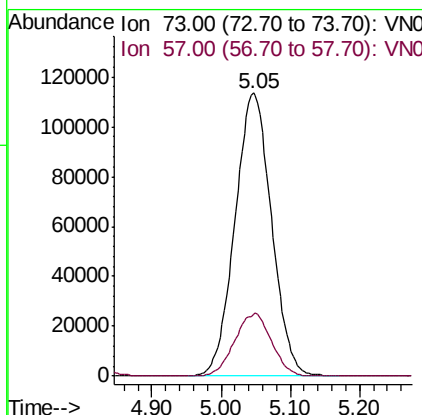
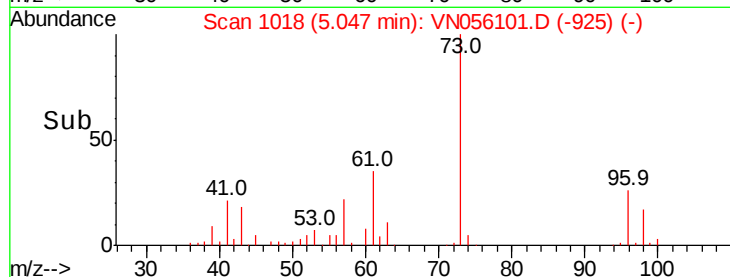
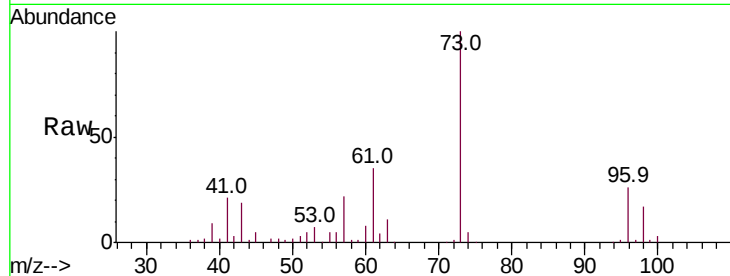
#19
Methvl tert-butvl Ether
Concen: 50.150 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 416267
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

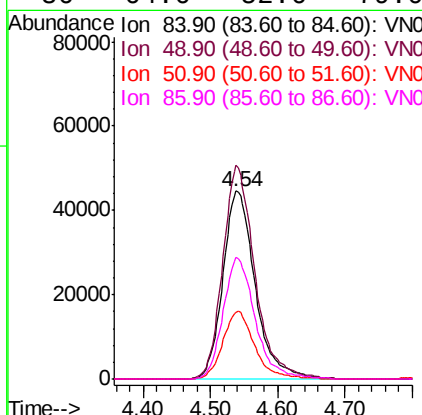
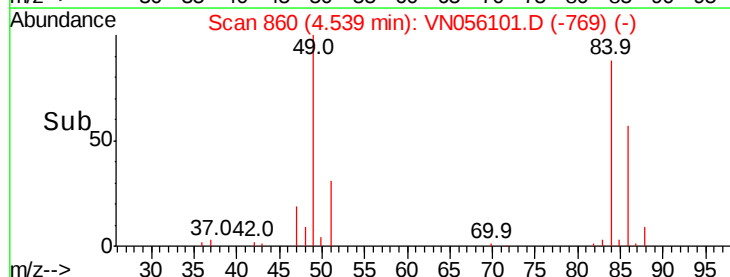
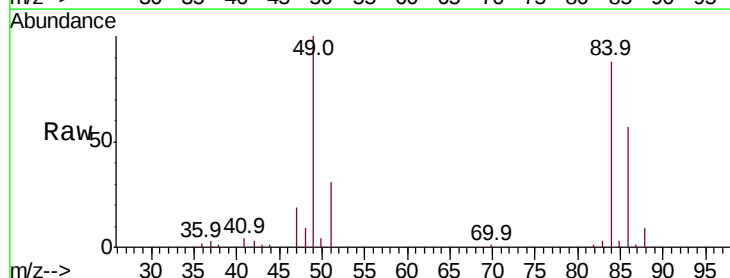
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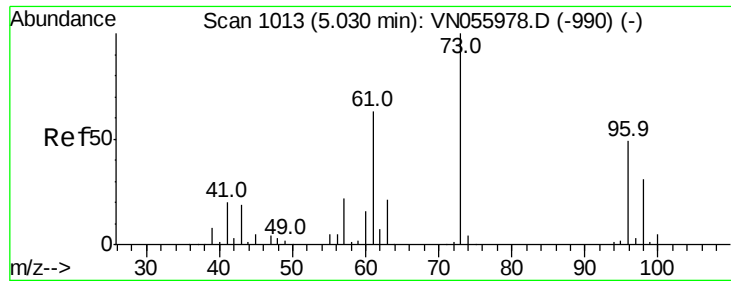
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#20
Methylene Chloride
Concen: 49.170 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion: 84 Resp: 149221
Ion Ratio Lower Upper
84 100
49 113.8 93.5 140.3
51 35.7 28.6 43.0
86 64.6 52.6 79.0





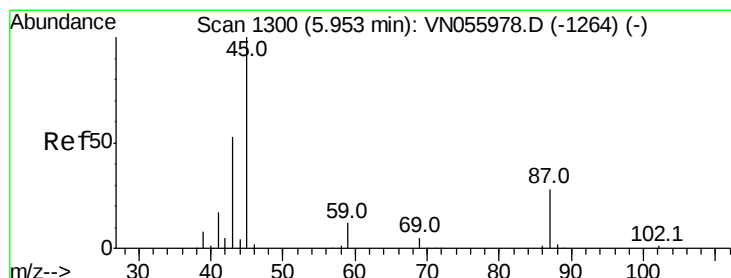
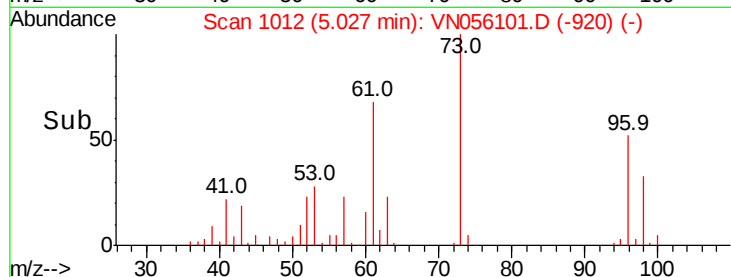
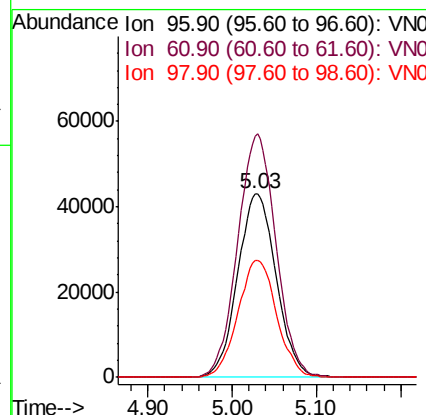
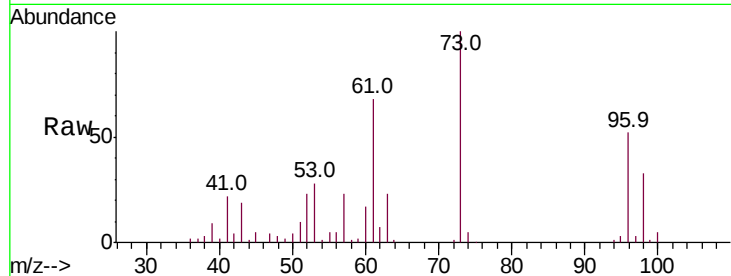
#21
trans-1,2-Dichloroethene
Concen: 49.139 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	107.8	161.8
98	63.6	49.8	74.8

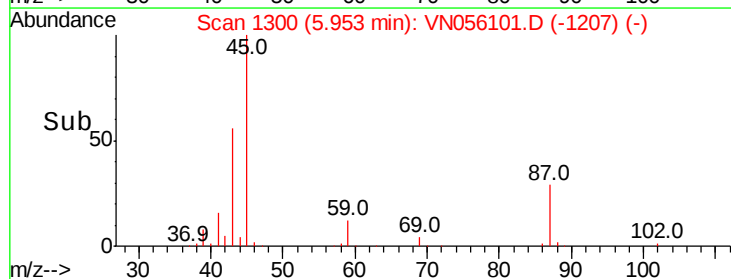
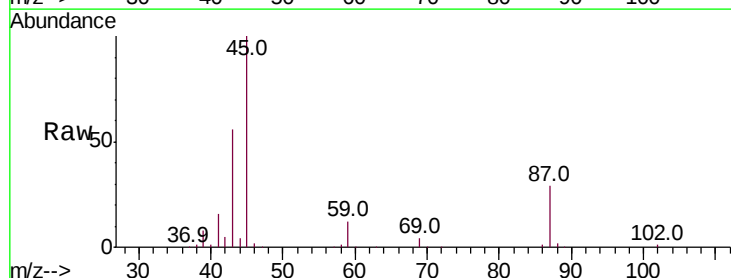
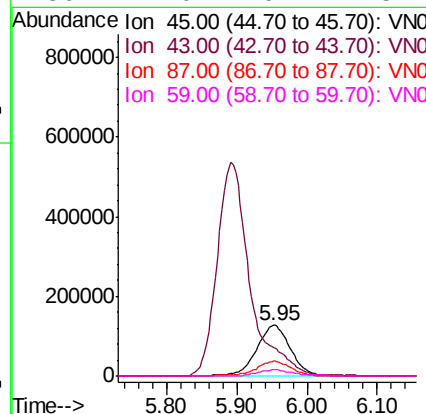
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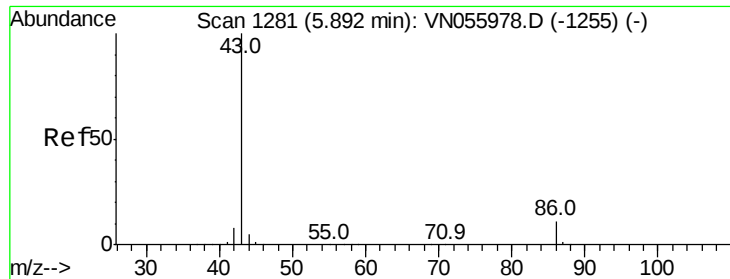
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#22
Diisopropyl ether
Concen: 50.339 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.4	45.0	67.6
87	29.0	22.2	33.4
59	12.0	9.1	13.7





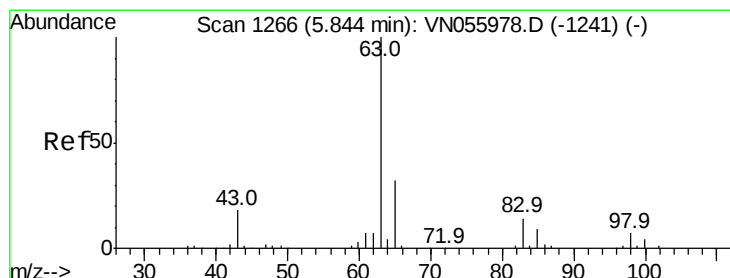
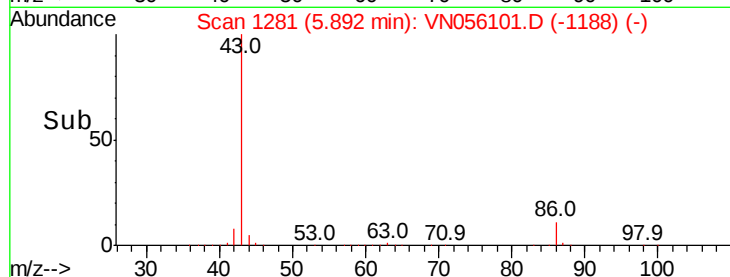
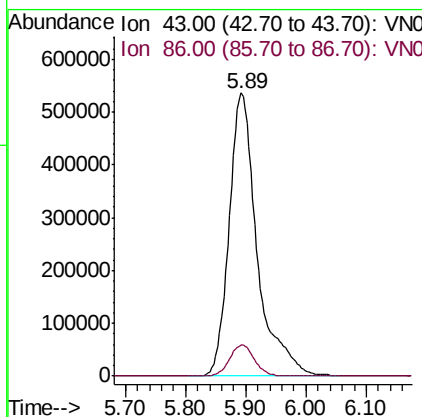
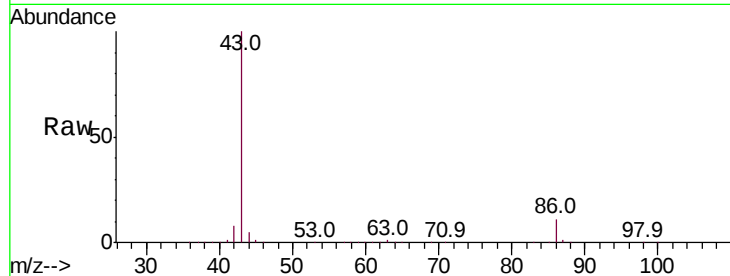
#23
 Vinyl Acetate
 Concen: 260.857 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1746095
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

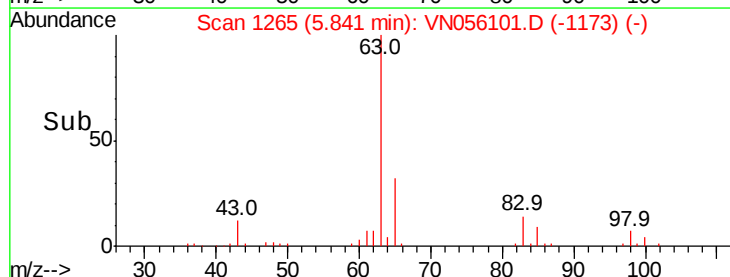
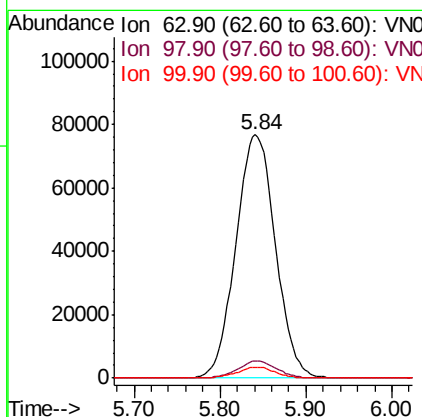
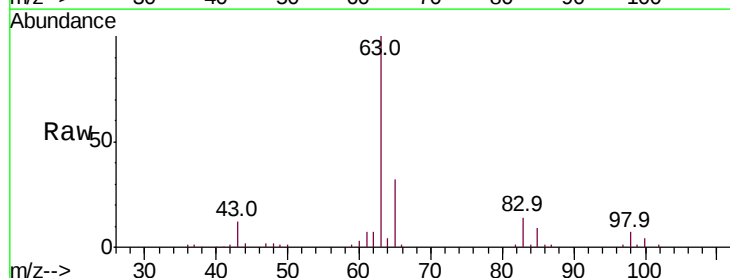
Manual Integrations
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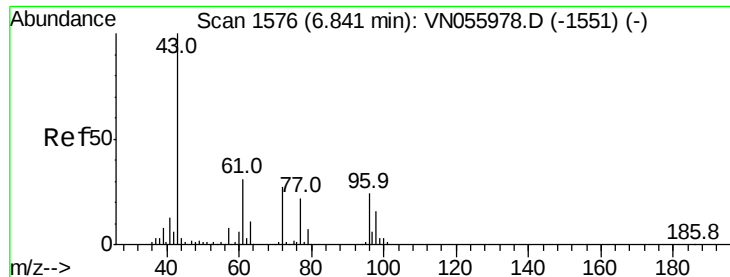
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#24
 1,1-Dichloroethane
 Concen: 50.117 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion: 63 Resp: 245726
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 265.522 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 494176

Ion Ratio Lower Upper

43 100

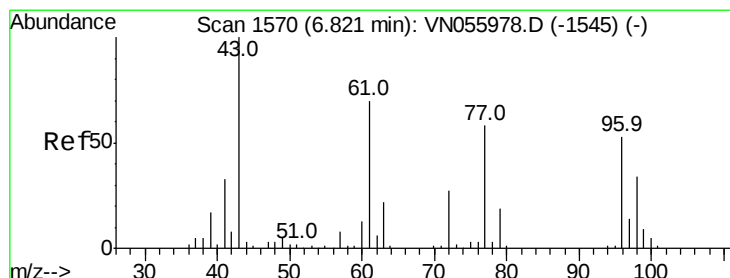
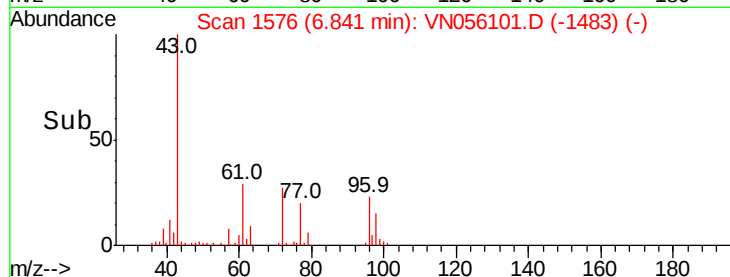
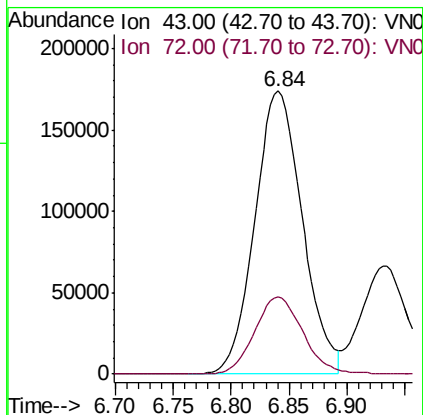
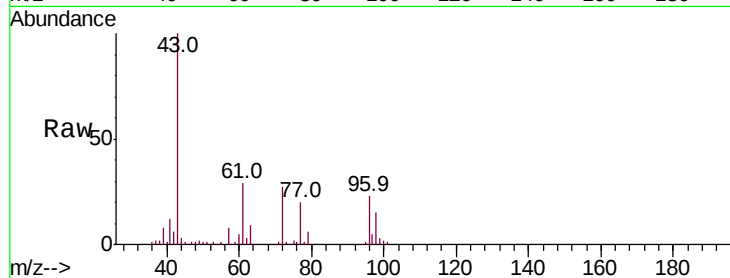
72 27.4 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.821 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056101.D

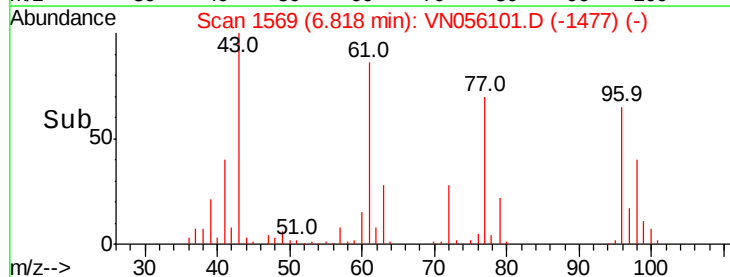
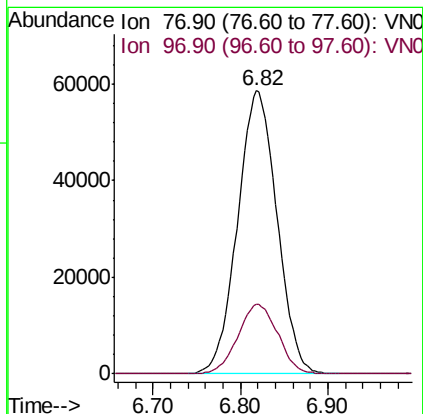
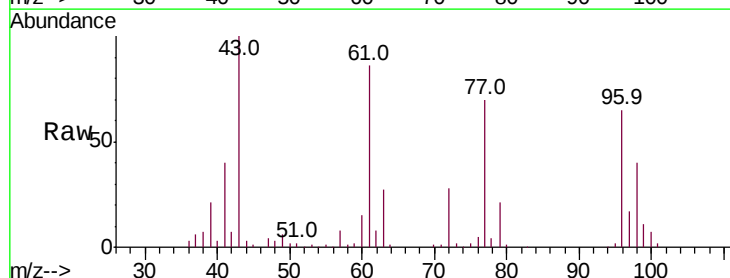
Acq: 7 Jun 2019 16:18

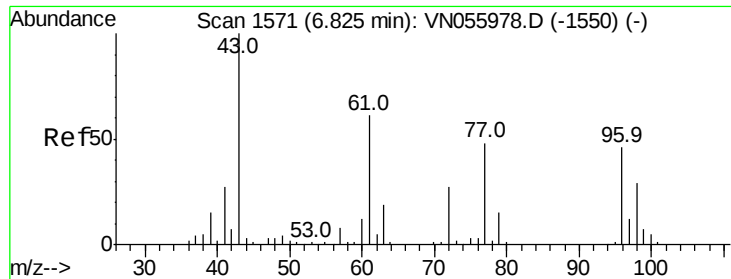
Tgt Ion: 77 Resp: 182959

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.583 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

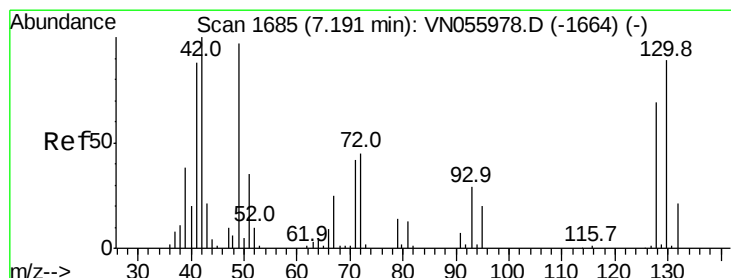
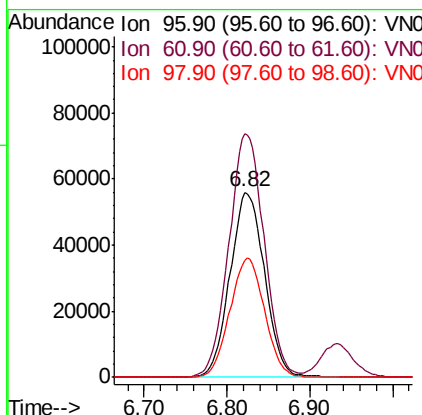
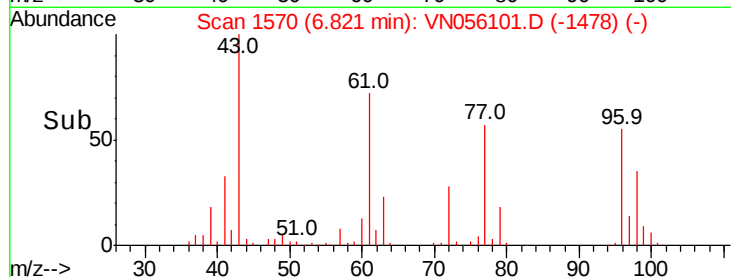
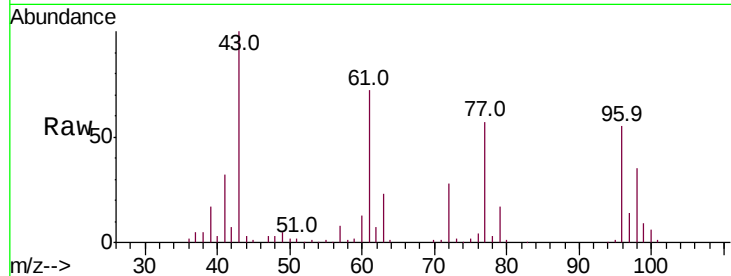
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162616
Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	275.8
98	64.5	0.0	128.4

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#28

Bromochloromethane

Concen: 49.053 ug/l

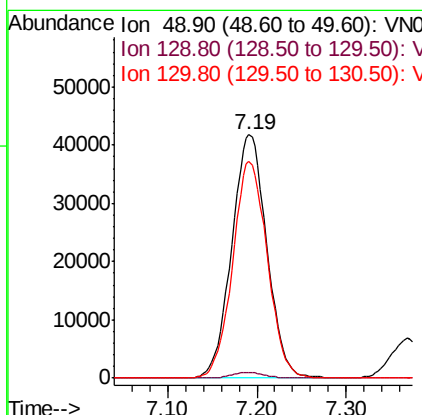
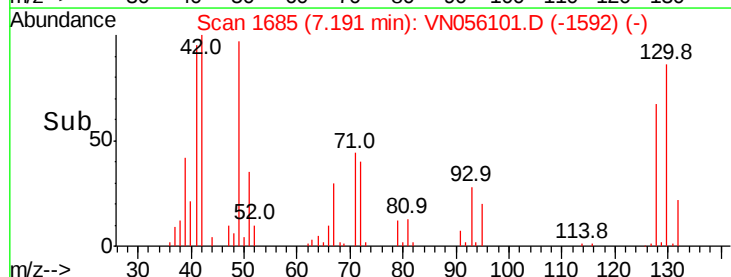
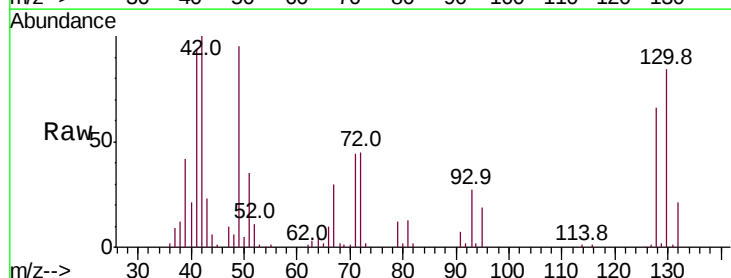
RT: 7.19 min Scan# 1685

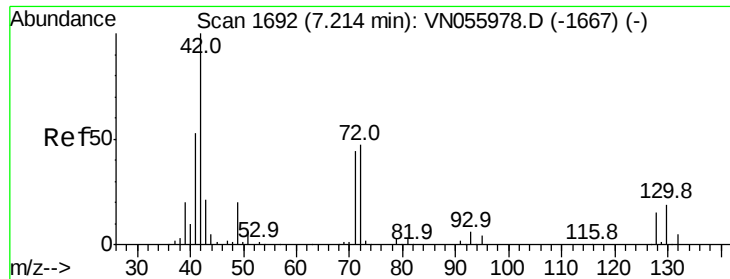
Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	49	Resp:	113738
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	87.9	71.2	106.8





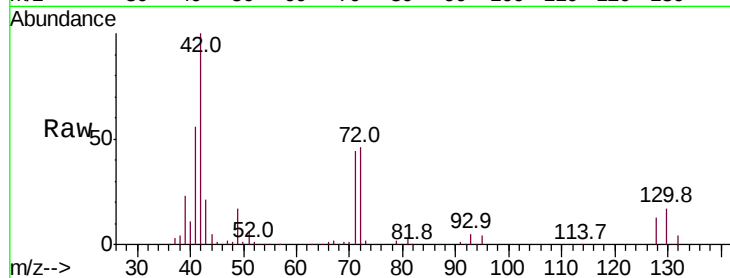
#29
Tetrahydrofuran
Concen: 265.712 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

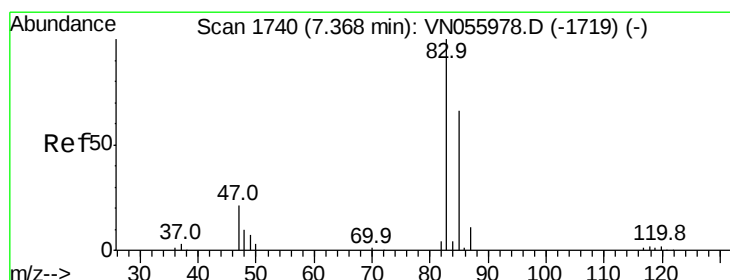
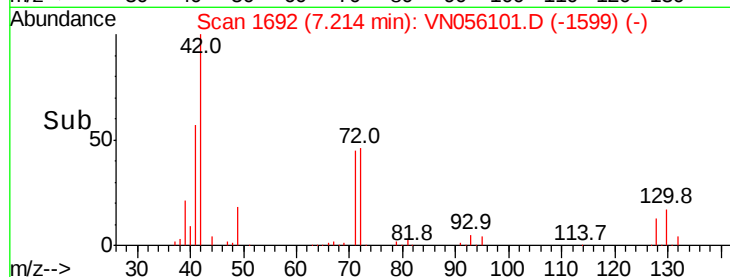
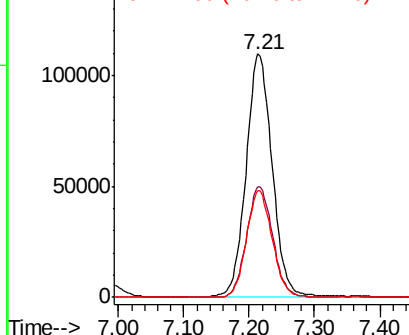
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.9	53.9
71	43.0	34.0	51.0

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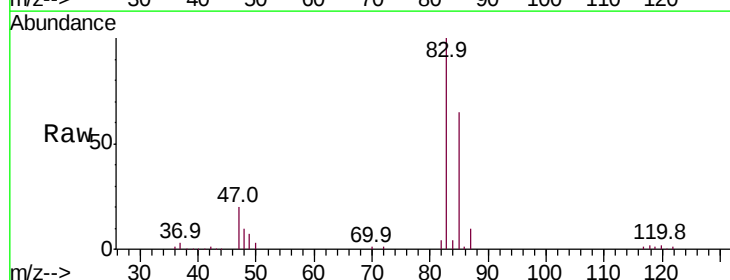


Abundance Ion 42.00 (41.70 to 42.70): VN055978.D (-1667) (-)
Ion 72.00 (71.70 to 72.70): VN055978.D (-1667) (-)
Ion 71.00 (70.70 to 71.70): VN055978.D (-1667) (-)

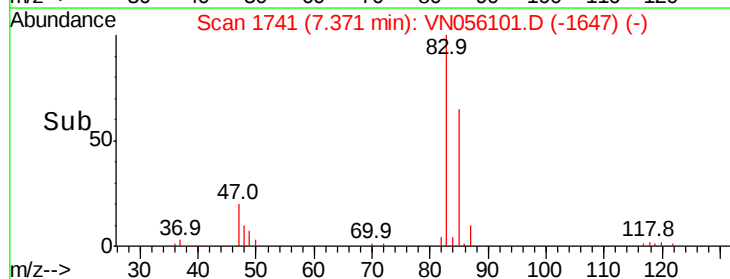
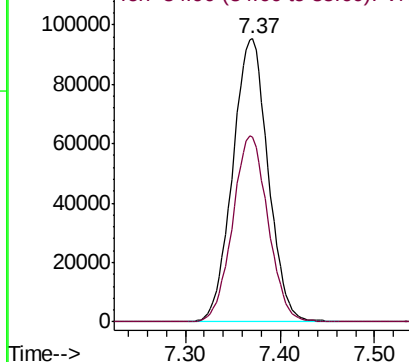


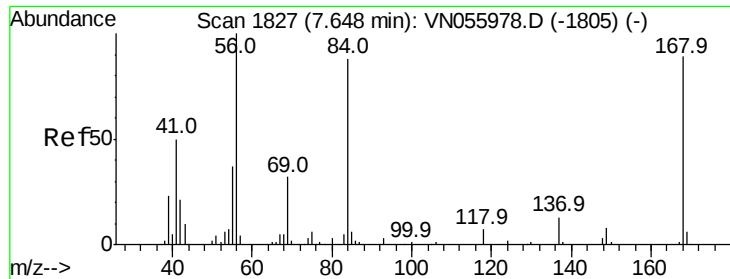
#30
Chloroform
Concen: 50.257 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-1719) (-)
Ion 84.90 (84.60 to 85.60): VN055978.D (-1719) (-)





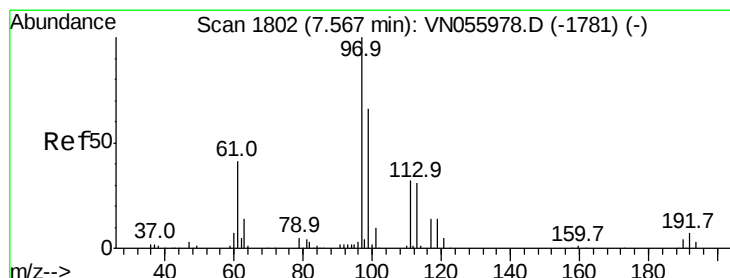
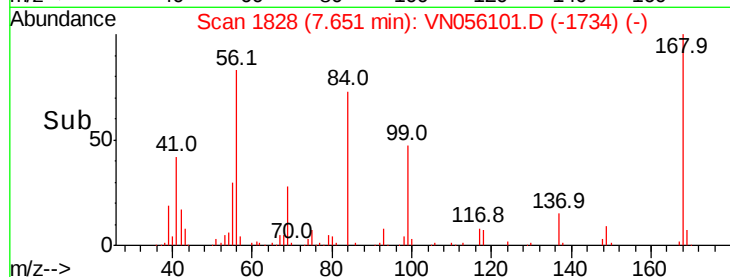
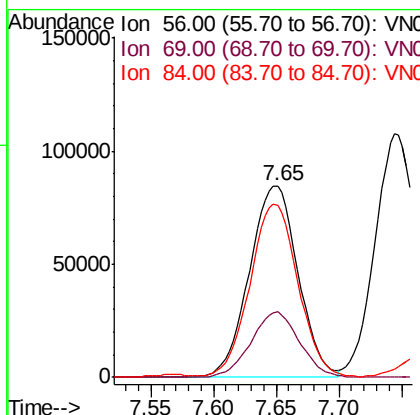
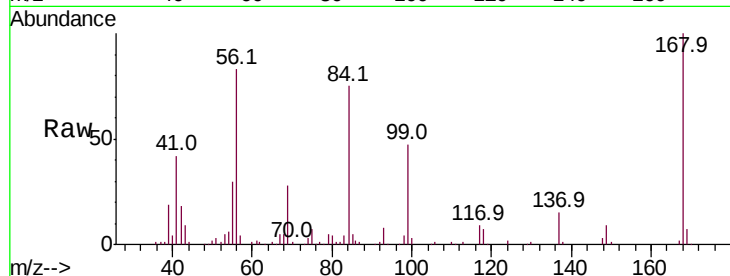
#31
Cyclohexane
Concen: 46.775 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.6	38.4
84	88.4	67.4	101.0

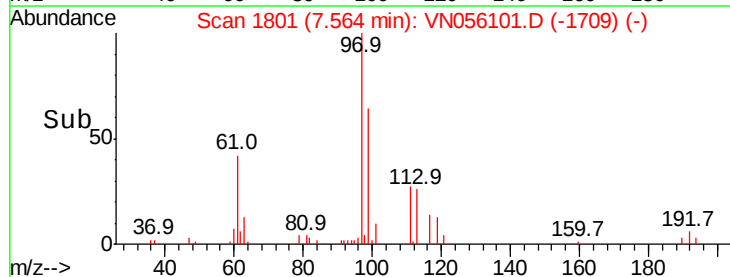
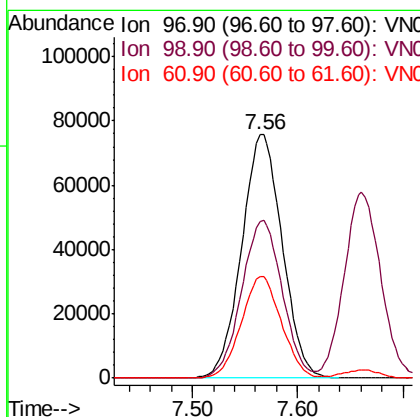
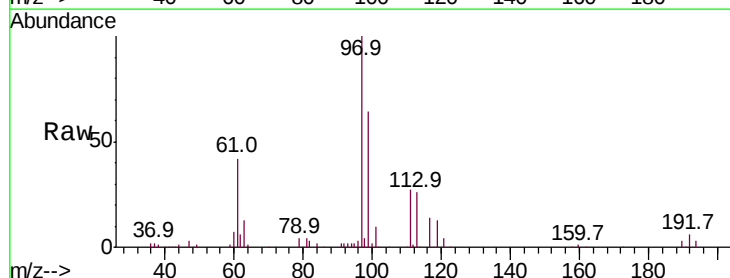
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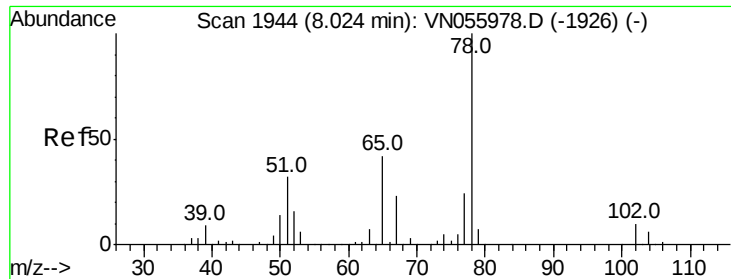
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#32
1,1,1-Trichloroethane
Concen: 49.196 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	41.4	32.9	49.3





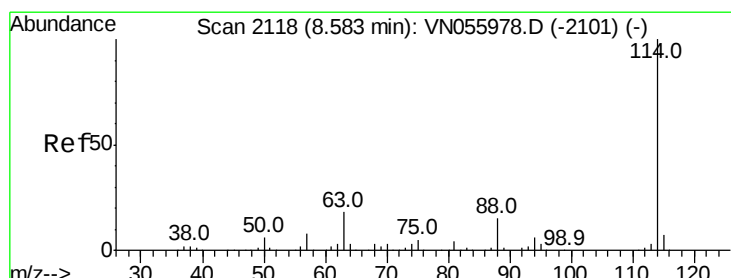
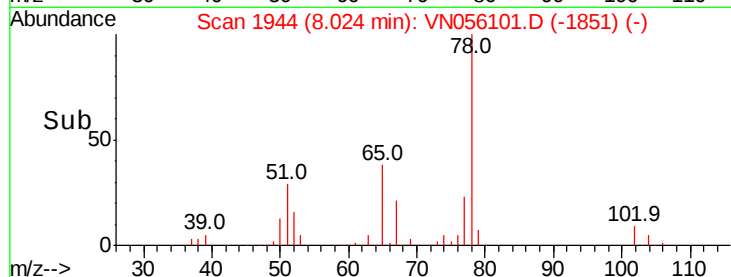
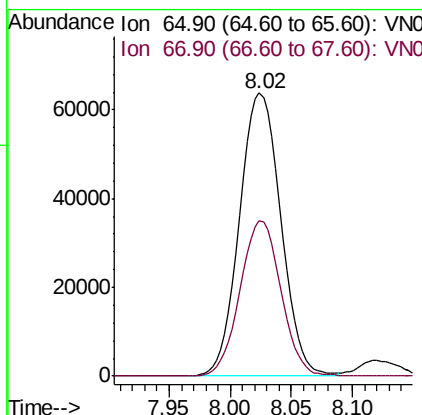
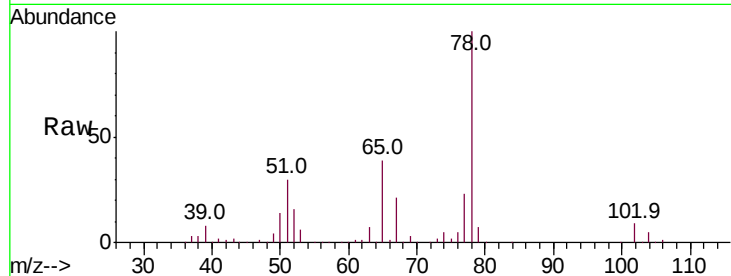
#33
 1,2-Dichloroethane-d4
 Concen: 48.699 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149991		
67	54.2	0.0	109.2	

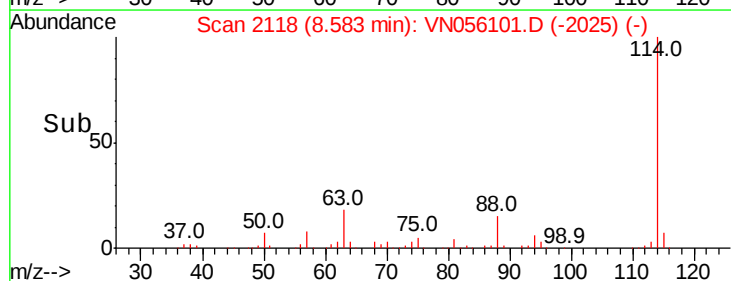
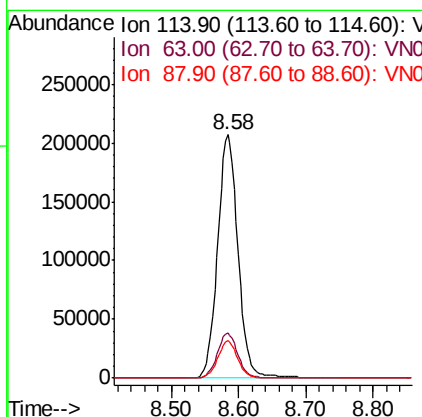
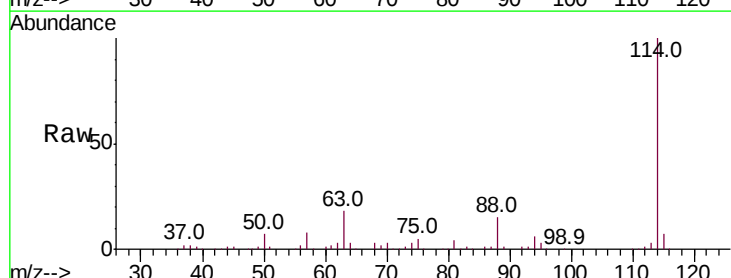
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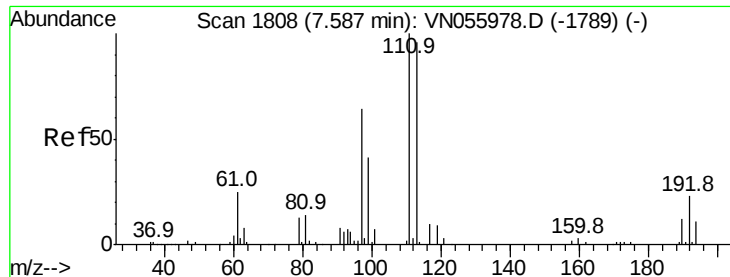
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439041		
63	18.4	0.0	39.2	
88	15.2	0.0	31.0	





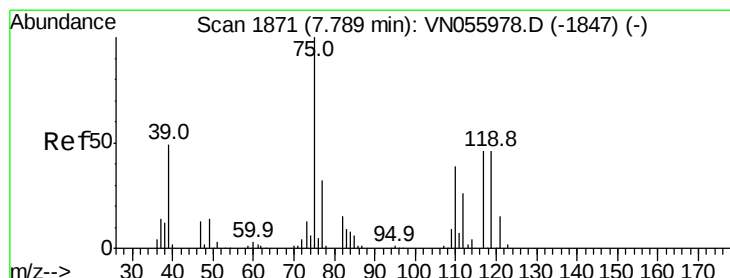
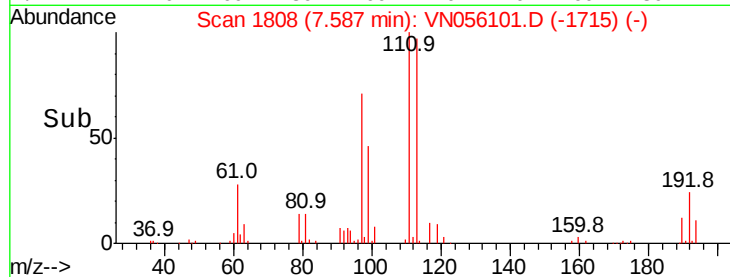
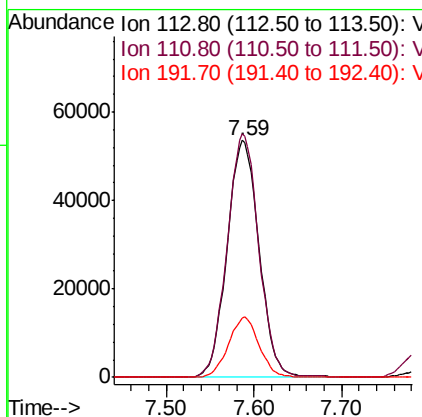
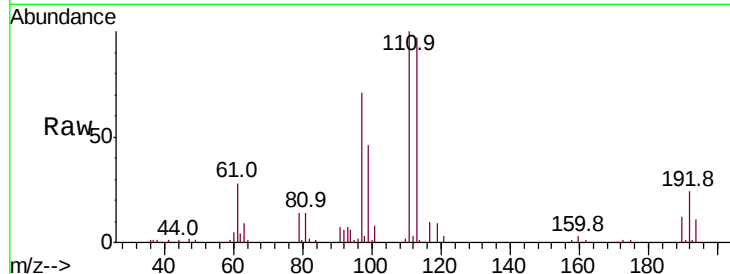
#35
 Dibromofluoromethane
 Concen: 50.487 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	81.9	122.9	
192	24.1	19.5	29.3	

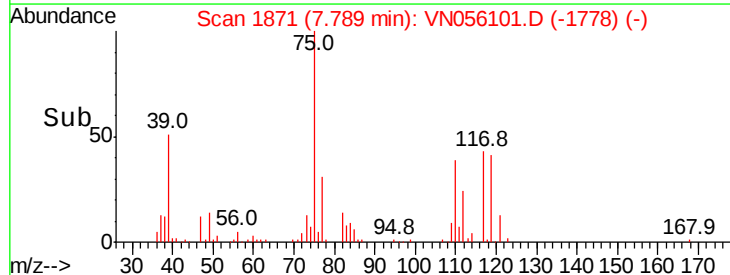
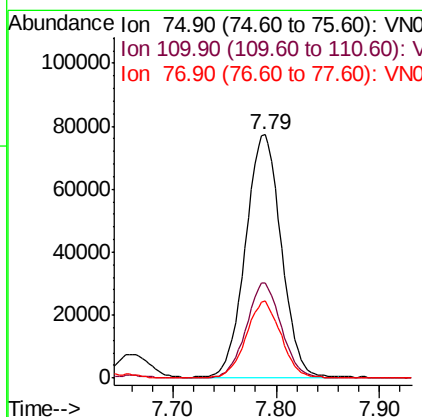
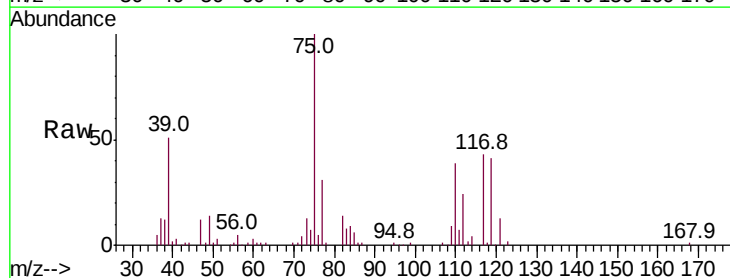
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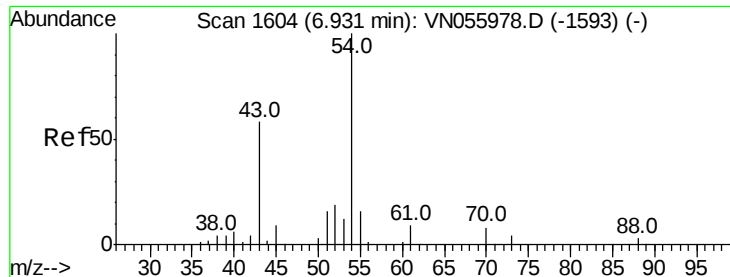
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 6/10/2019 11:26:45 AM



#36
 1,1-Dichloropropene
 Concen: 48.991 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.6	19.0	57.0	
77	31.2	25.1	37.7	





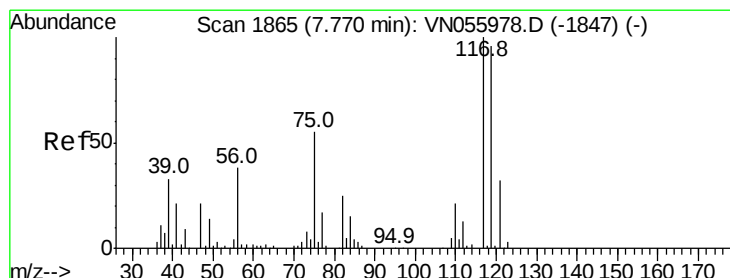
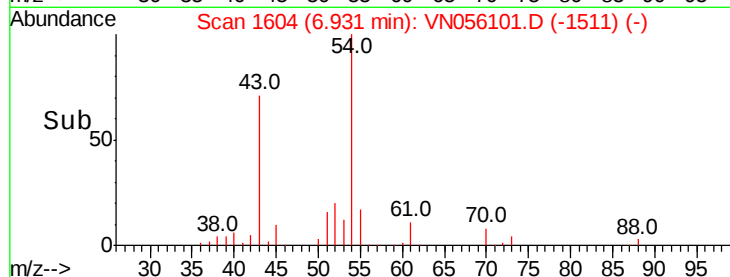
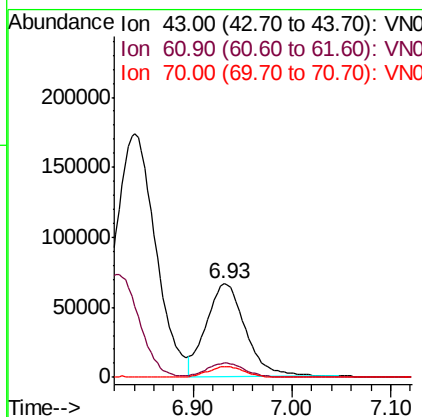
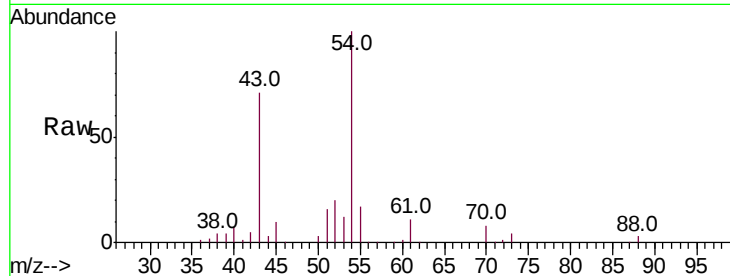
#37
Ethyl Acetate
Concen: 54.876 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.1	8.9	13.3

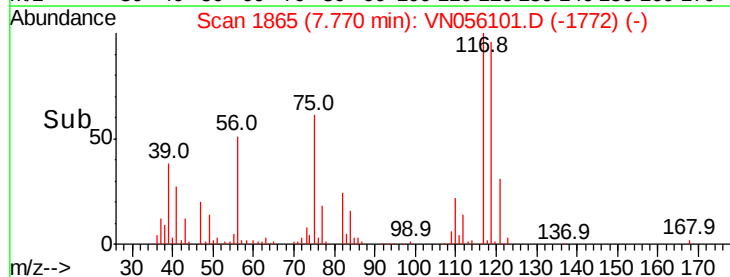
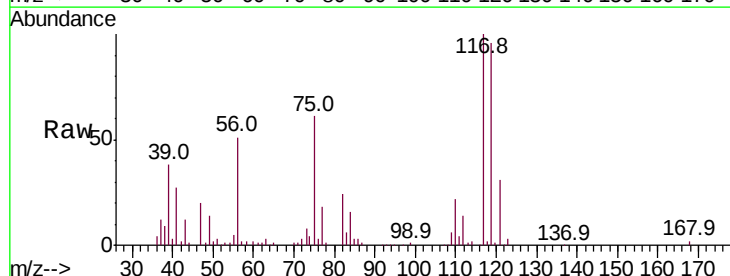
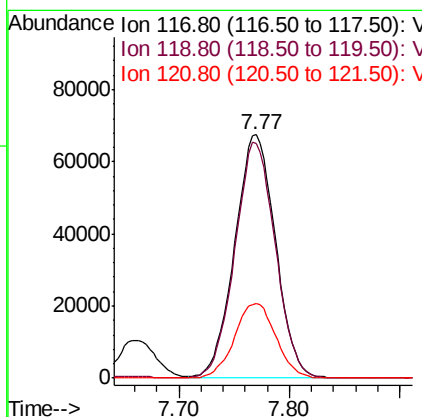
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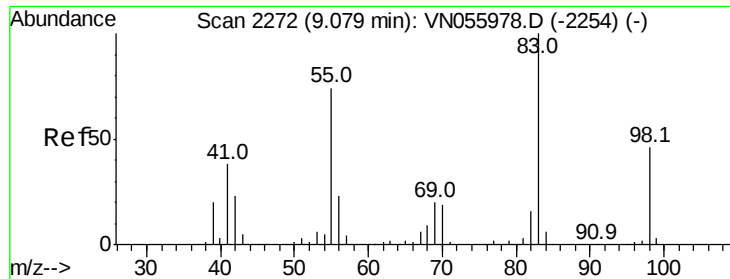
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#38
Carbon Tetrachloride
Concen: 49.748 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	30.5	24.7	37.1





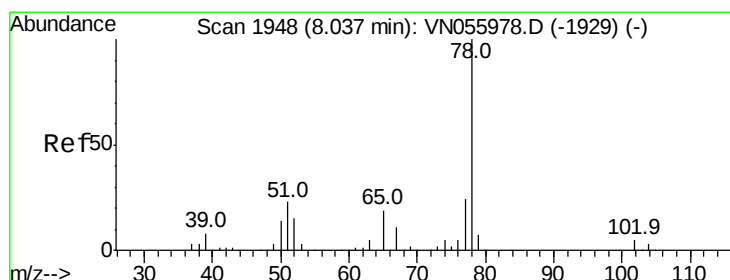
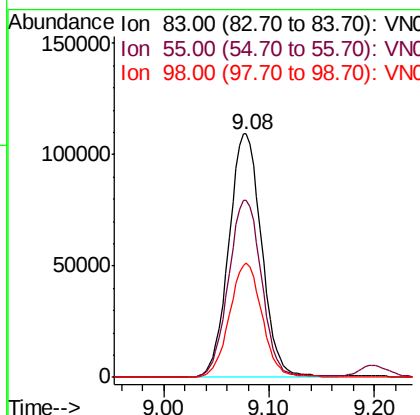
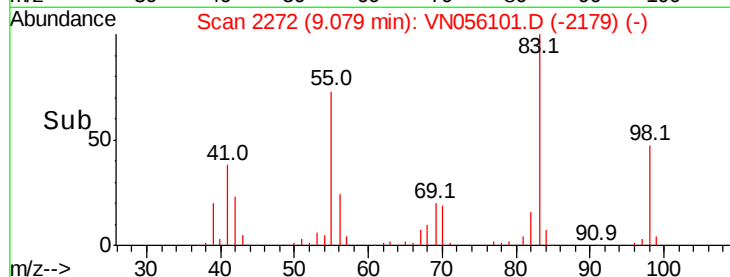
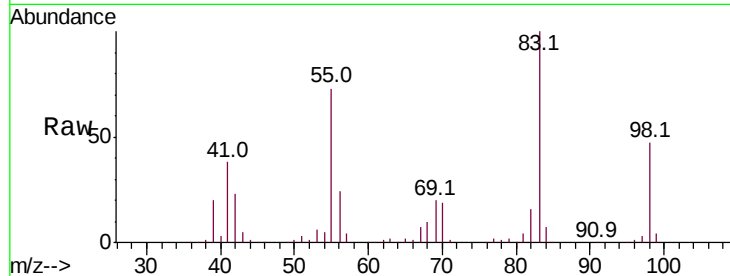
#39
Methvlcvclohexane
Concen: 50.114 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.3	88.9
98	46.9	36.6	54.8

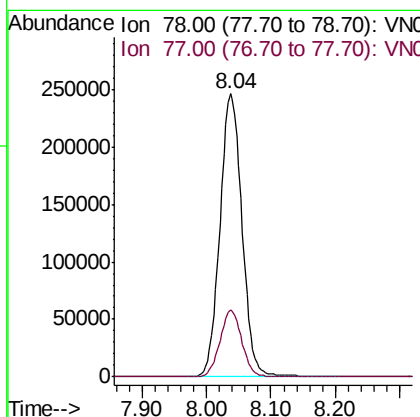
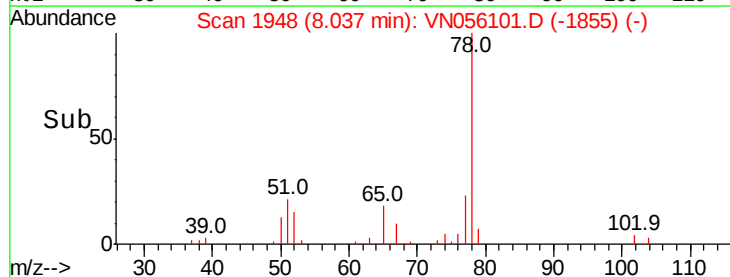
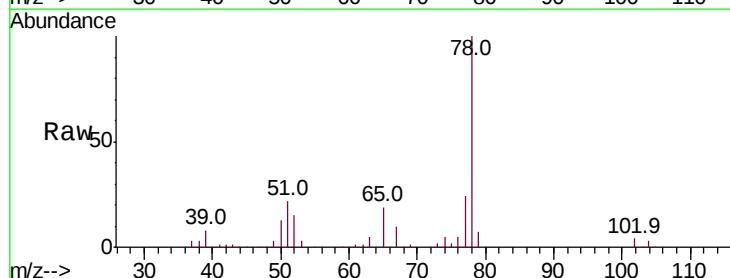
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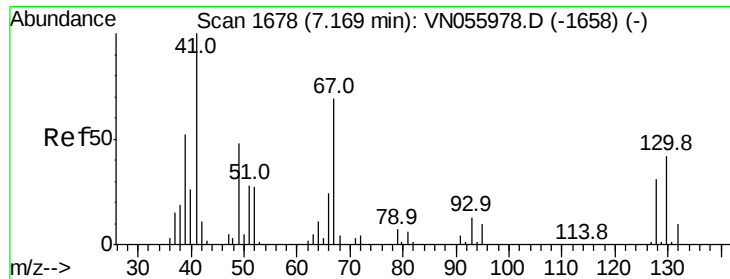
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#40
Benzene
Concen: 50.986 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





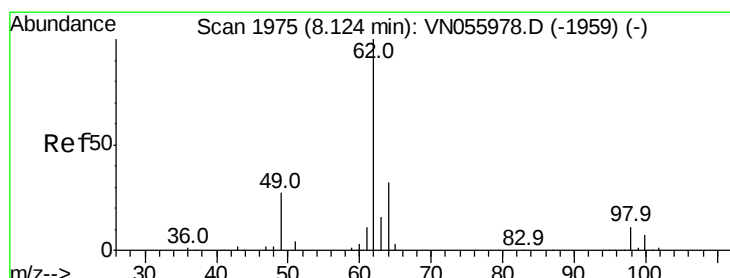
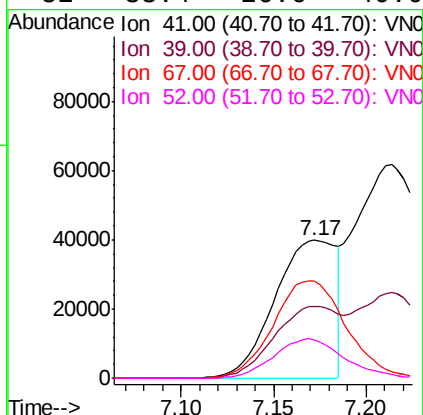
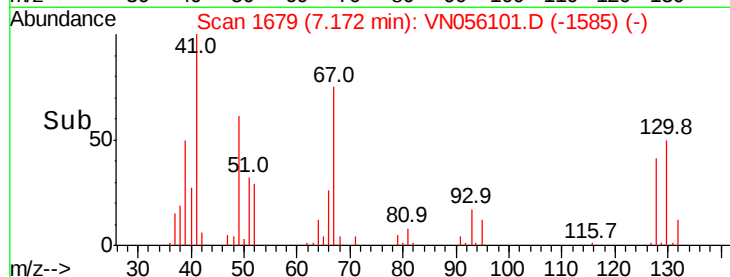
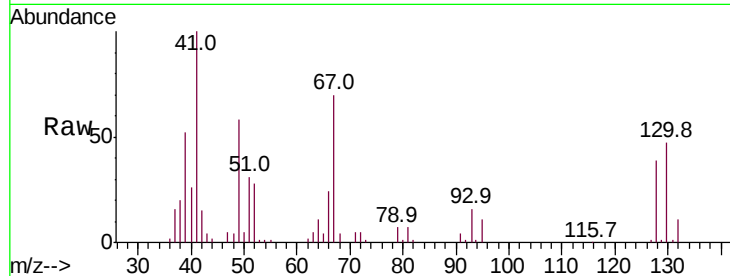
#41
Methacrylonitrile
Concen: 59.851 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.6	68.4
67	84.4	67.7	101.5
52	33.4	26.6	40.0

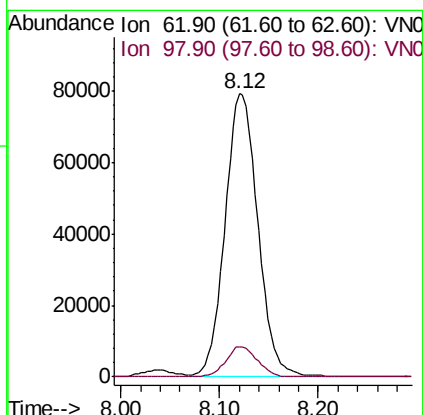
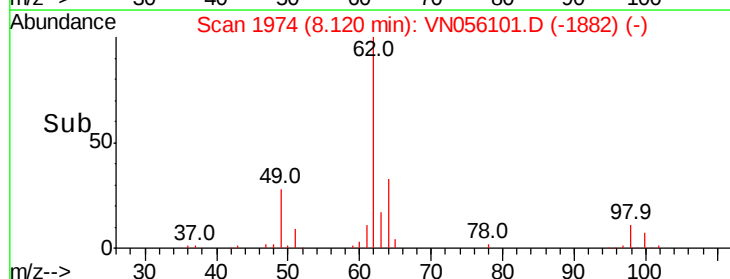
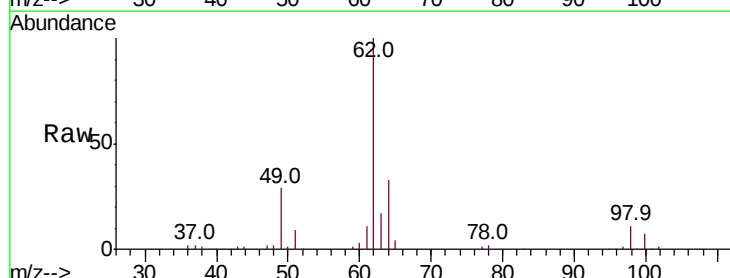
Manual Integrations
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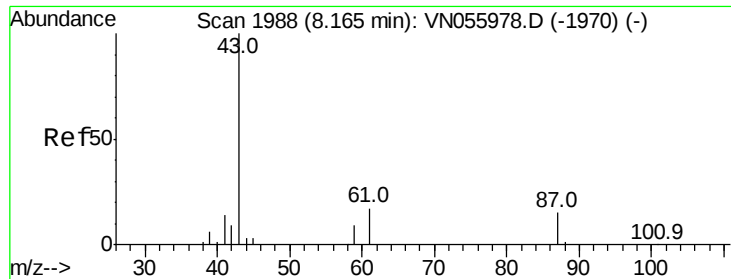
MMDadoda
6/10/2019 11:26:45 AM



#42
1,2-Dichloroethane
Concen: 49.723 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 52.967 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

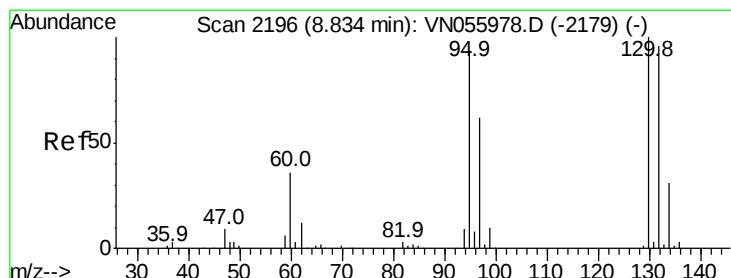
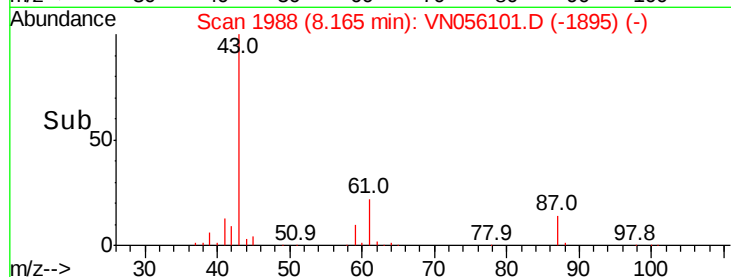
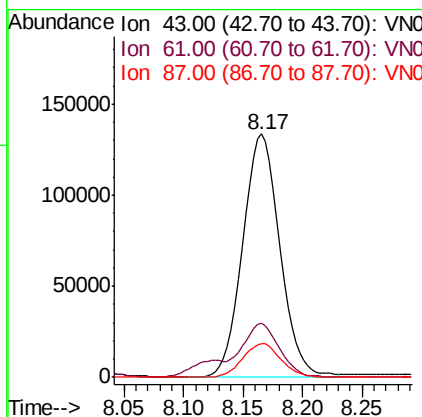
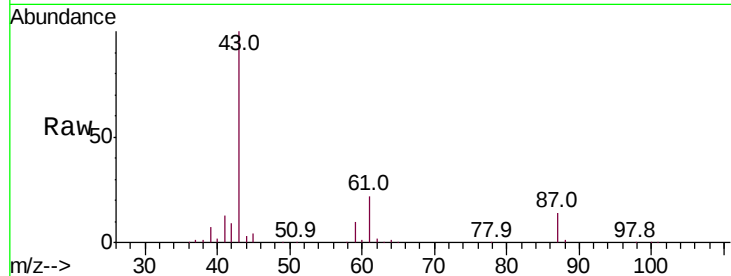
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	288306
Ion Ratio	Lower	Upper	
43	100		
61	21.9	22.2	33.4#
87	14.2	11.4	17.2

Manual Integrations
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6/10/2019 11:26:45 AM



#44

Trichloroethene

Concen: 49.389 ug/l

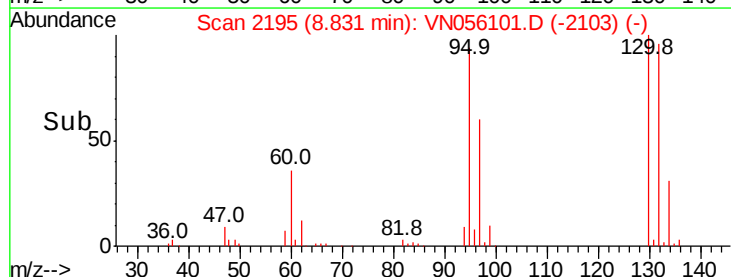
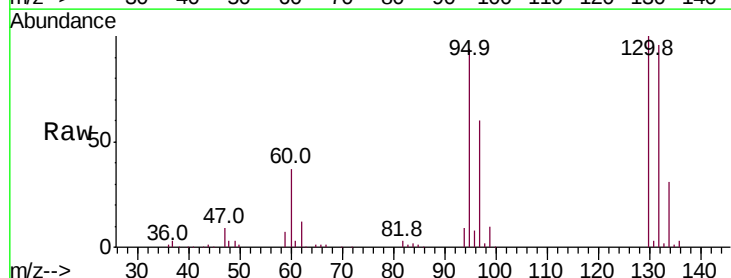
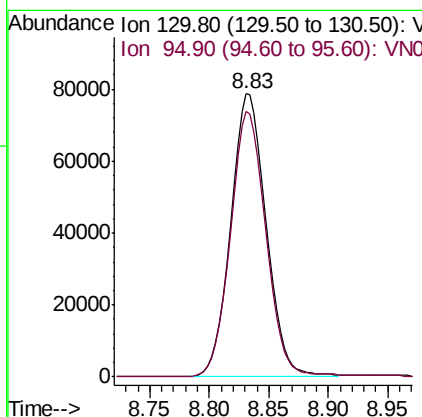
RT: 8.83 min Scan# 2195

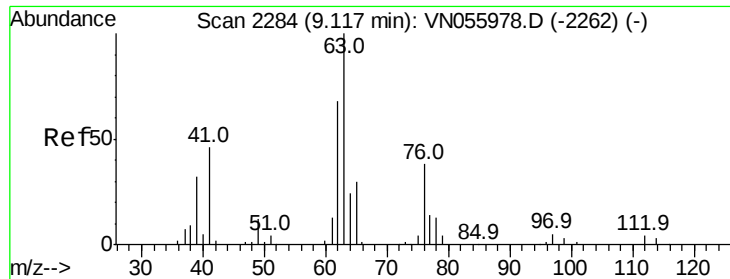
Delta R.T. -0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	130	Resp:	162723
Ion Ratio	Lower	Upper	
130	100		
95	93.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 52.519 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 154245

Ion Ratio Lower Upper

63 100

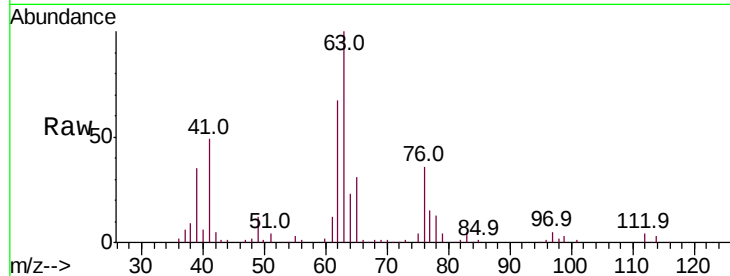
65 30.8 24.6 36.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN056101.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN056101.D (-2191) (-)

9.12

80000

60000

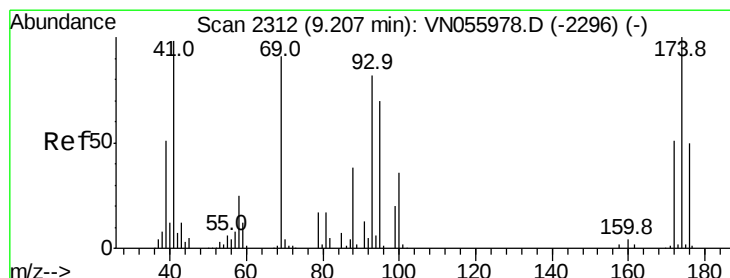
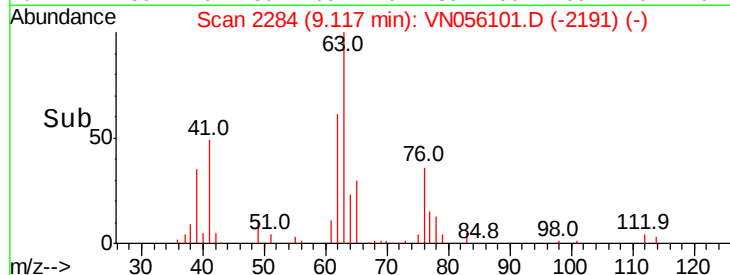
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 51.332 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

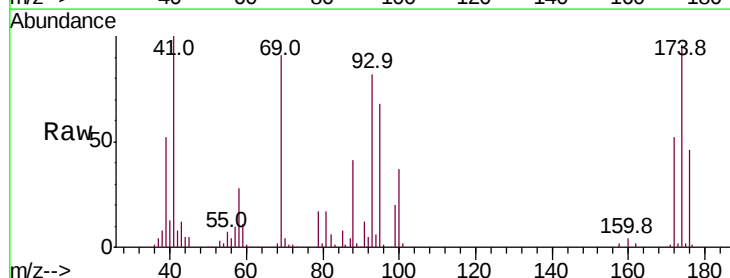
Tgt Ion: 93 Resp: 98585

Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

174 121.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN056101.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN056101.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN056101.D (-2219) (-)

80000

60000

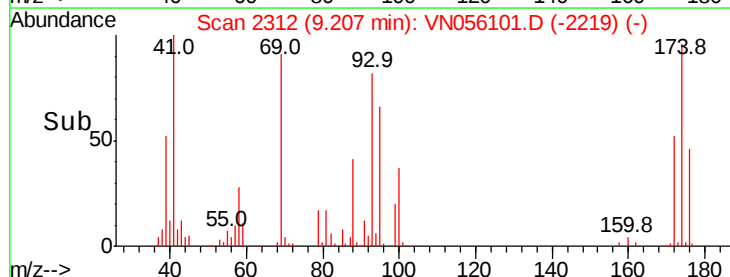
40000

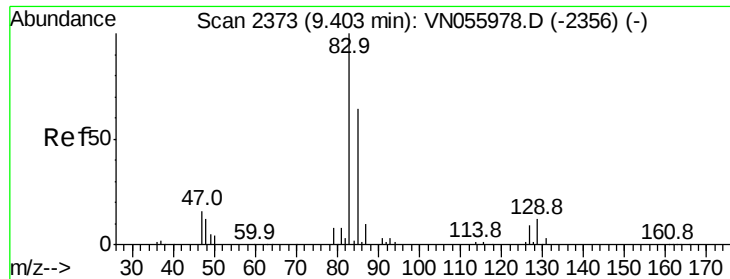
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





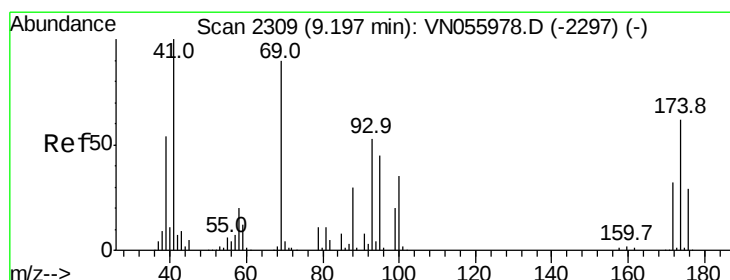
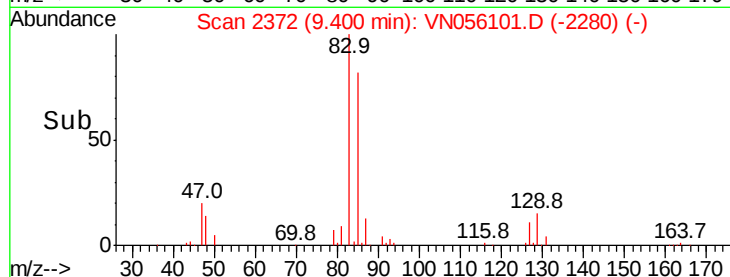
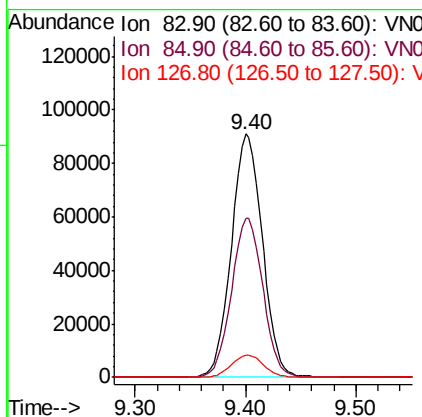
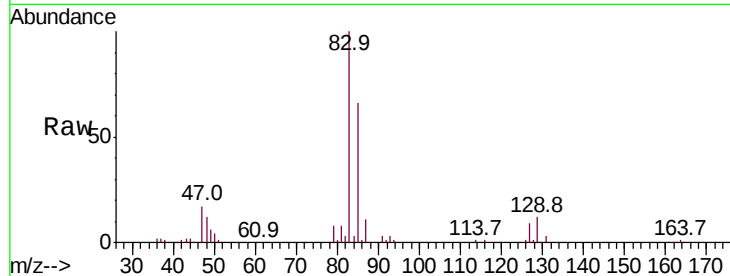
#47
Bromodichloromethane
Concen: 51.098 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	85	127
Ion	83	85	127
Ratio	100	65.5	9.2
Lower		52.2	7.4
Upper		78.2	11.0

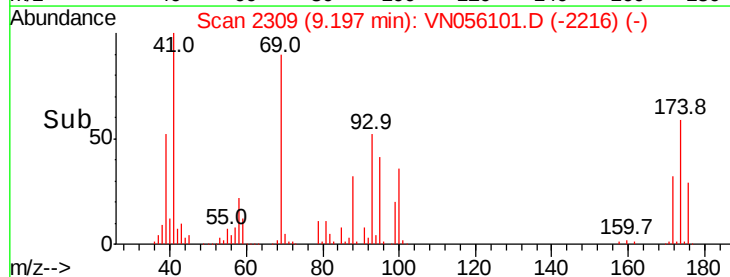
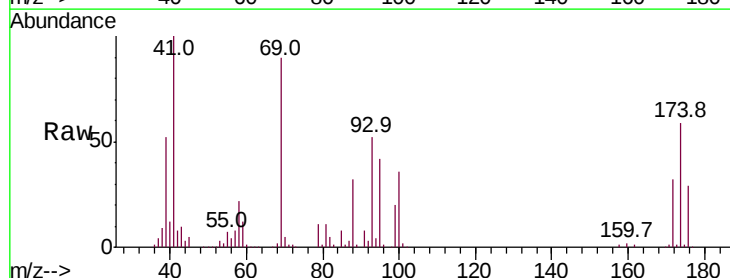
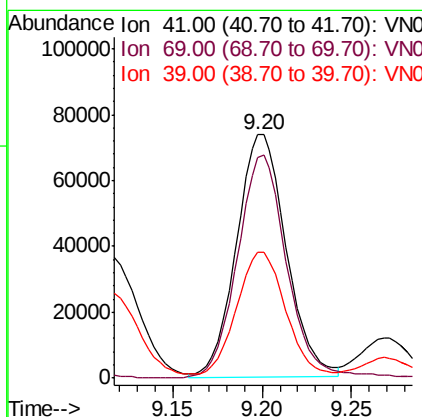
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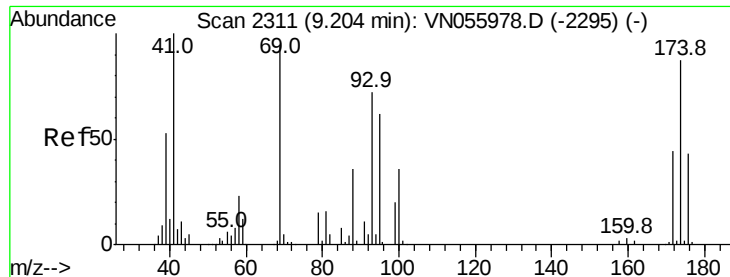
MMDadoda
6/10/2019 11:26:45 AM



#48
Methyl methacrylate
Concen: 53.947 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	41	69	39
Ion	41	69	39
Ratio	100	91.4	51.1
Lower		71.0	44.2
Upper		106.6	66.2





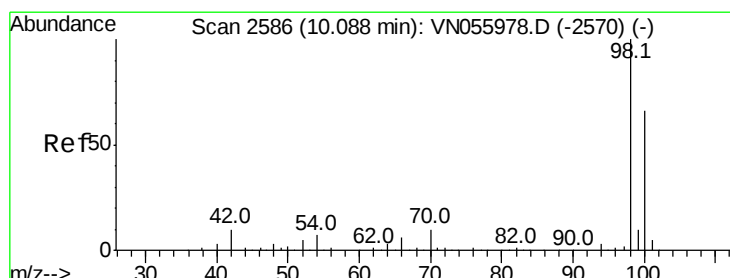
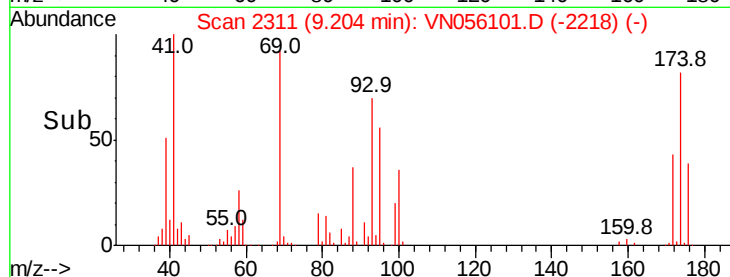
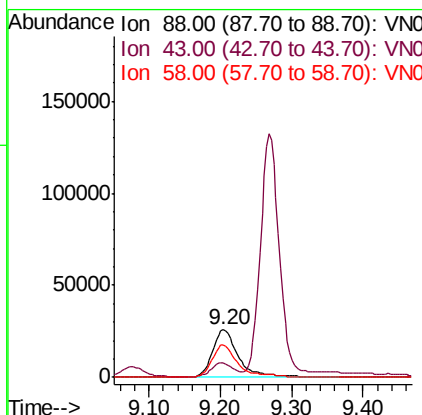
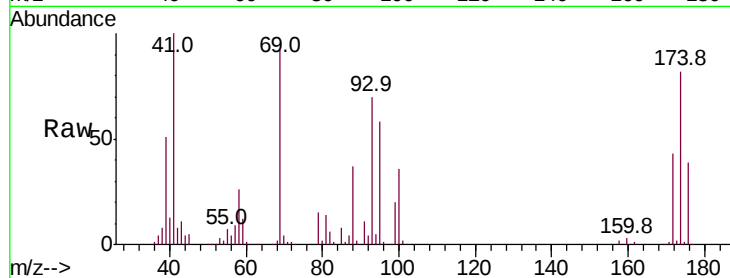
#49
1,4-Dioxane
Concen: 1136.945 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	20.5	30.7
58	68.5	55.8	83.6

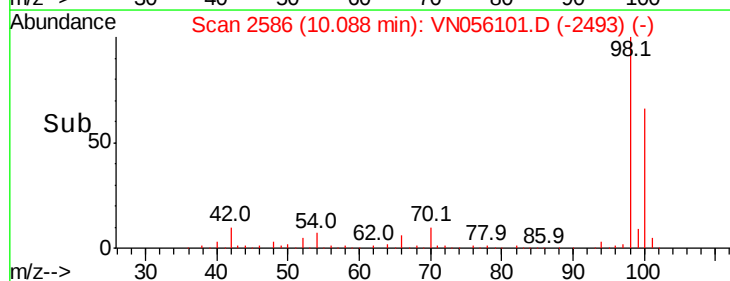
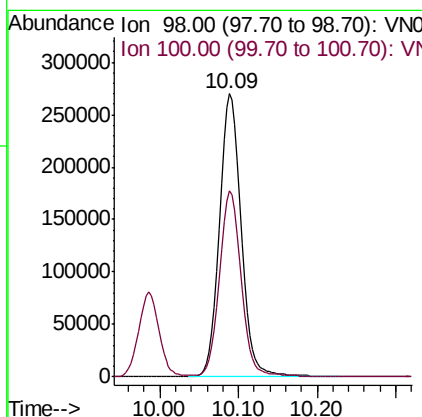
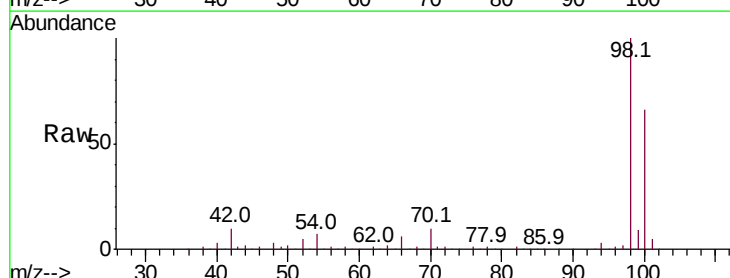
Manual Integrations
APPROVED

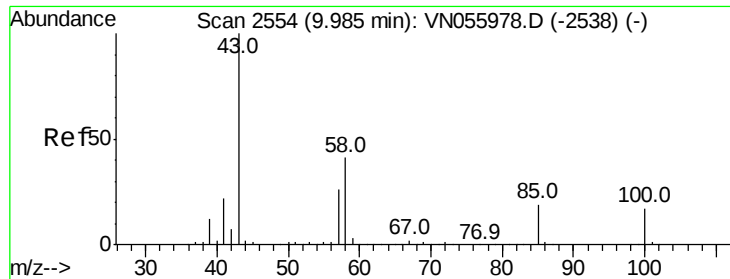
MMDadoda
6/10/2019 11:26:45 AM



#50
Toluene-d8
Concen: 49.667 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 271.625 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tot Ion: 43 Resp: 924567

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

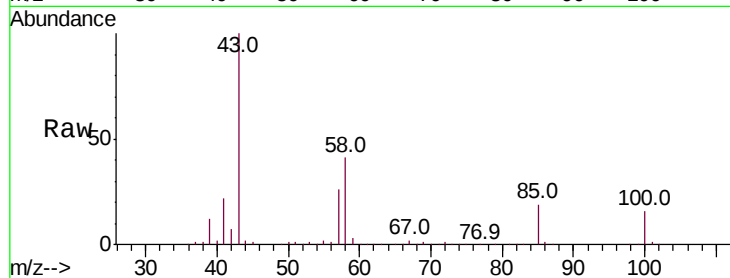
VSTDCCC050

Manual Integrations

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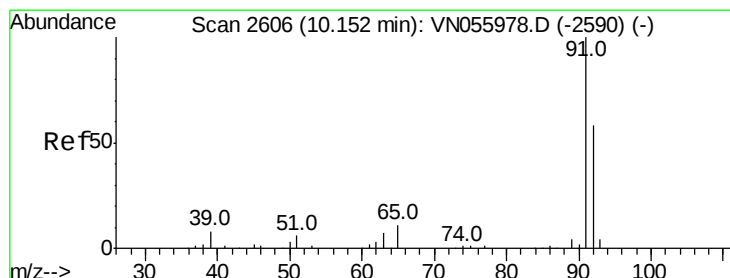
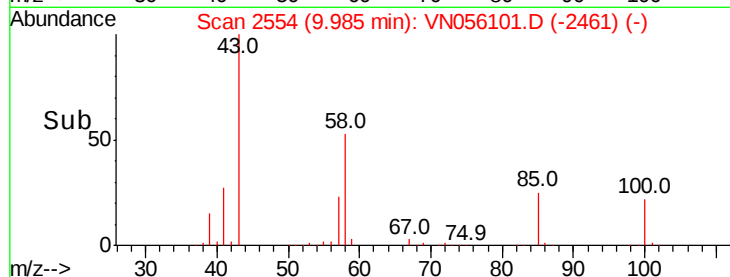
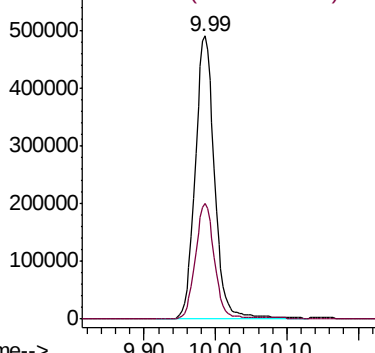
MMDadoda

6/10/2019 11:26:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.818 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056101.D

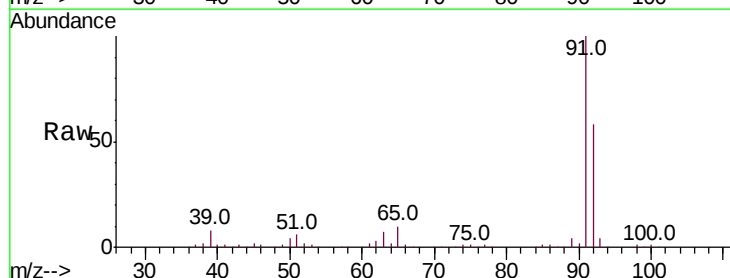
Acq: 7 Jun 2019 16:18

Tgt Ion: 92 Resp: 369713

Ion Ratio Lower Upper

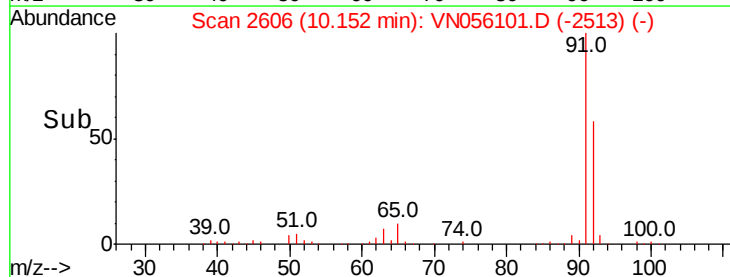
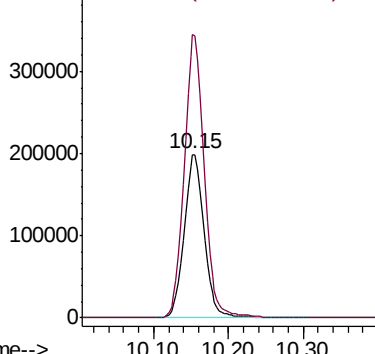
92 100

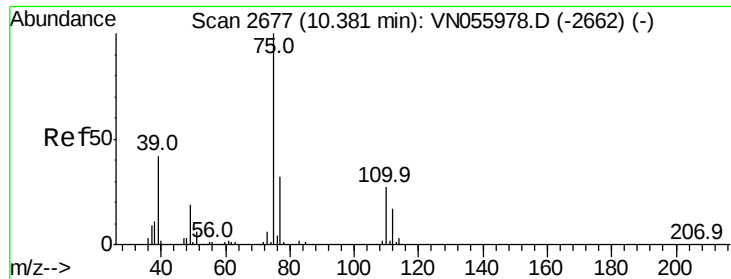
91 173.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





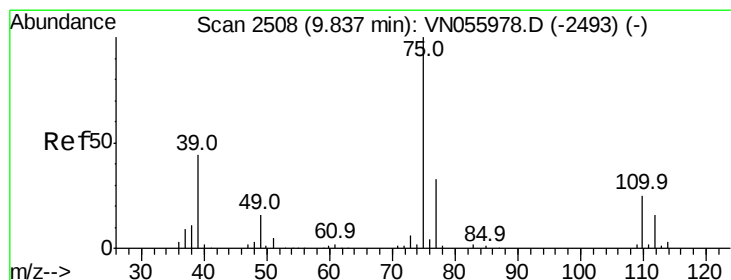
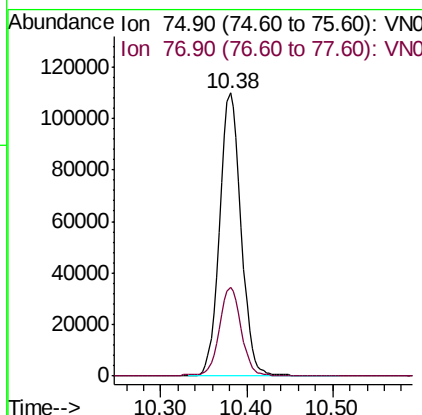
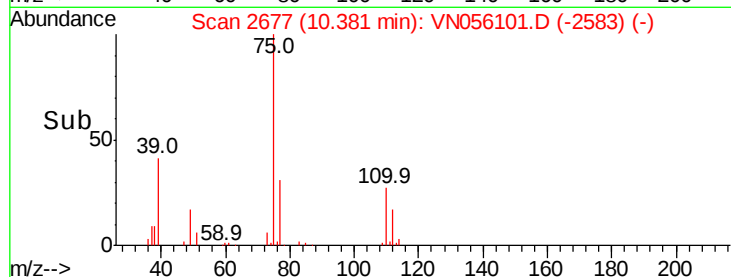
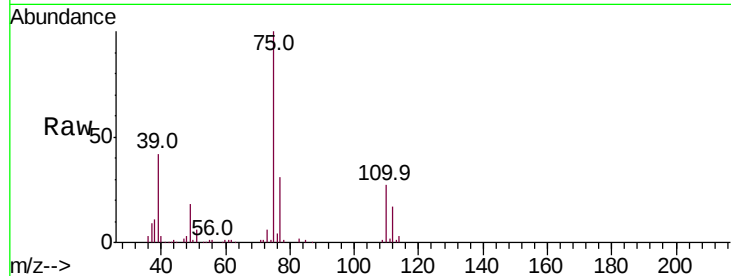
#53
t-1,3-Dichloropropene
Concen: 46.871 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 190634
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

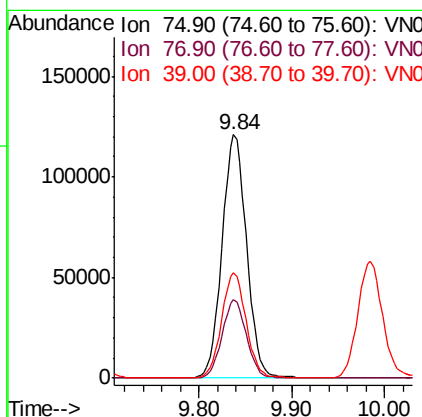
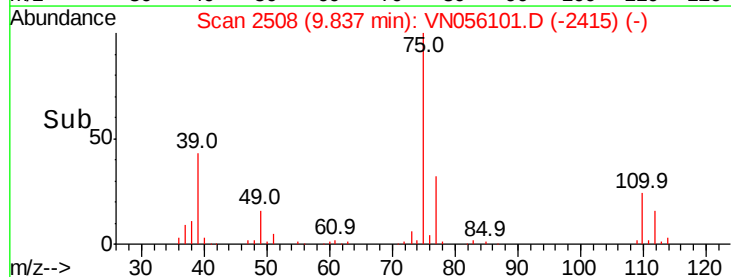
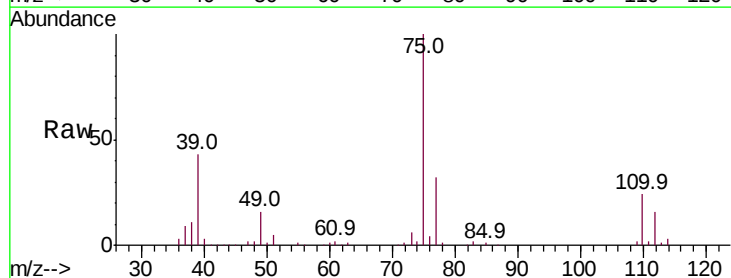
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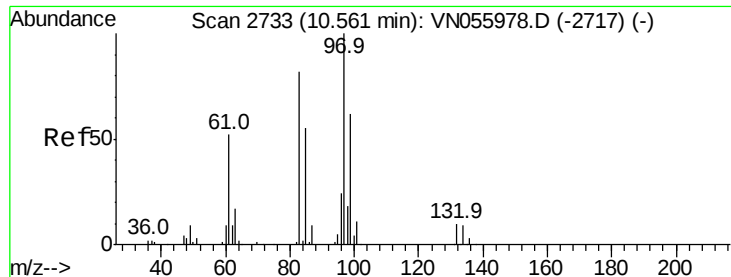
MMDadoda
6/10/2019 11:26:45 AM



#54
cis-1,3-Dichloropropene
Concen: 53.057 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion: 75 Resp: 221989
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 43.2 36.3 54.5





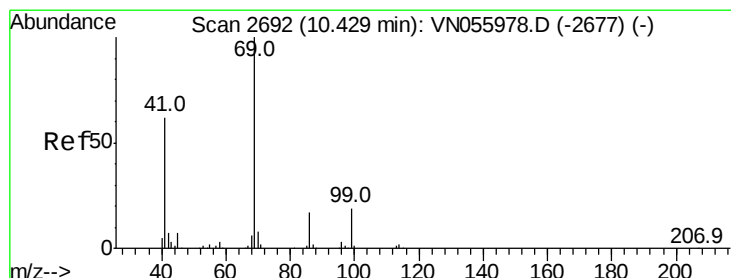
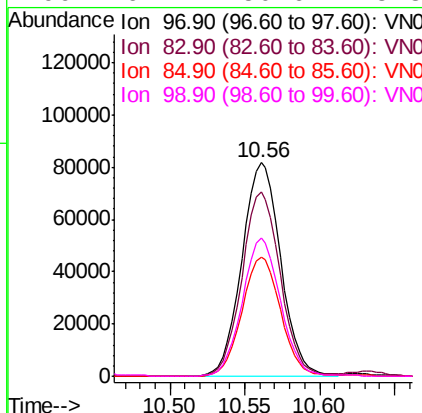
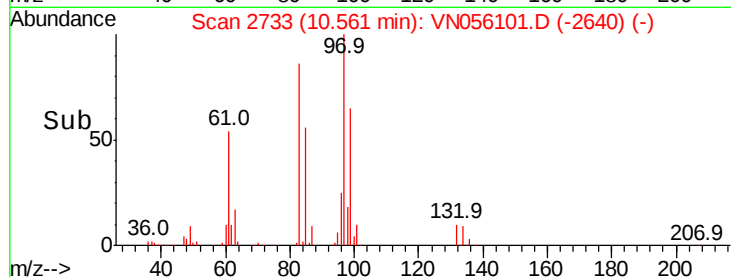
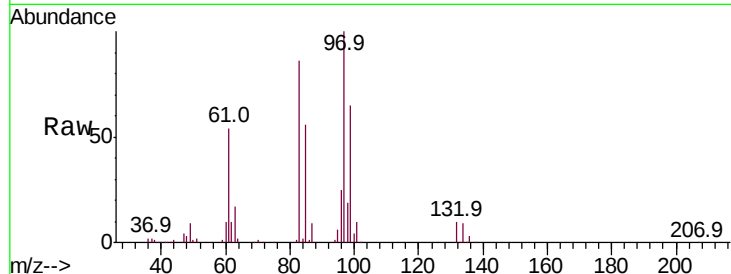
#55
 1,1,2-Trichloroethane
 Concen: 52.275 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	147740
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	56.0	44.0	66.0
99	64.7	50.6	75.8

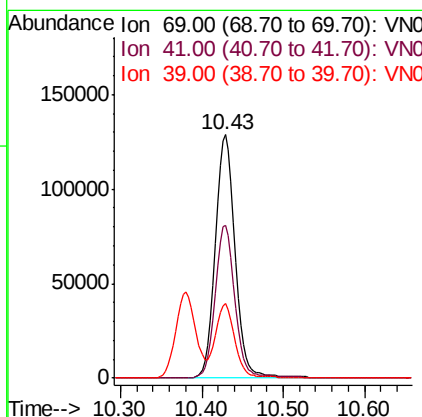
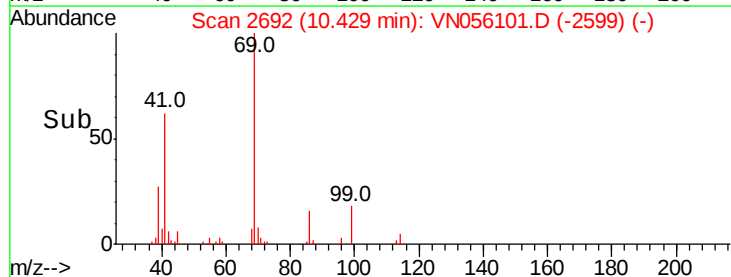
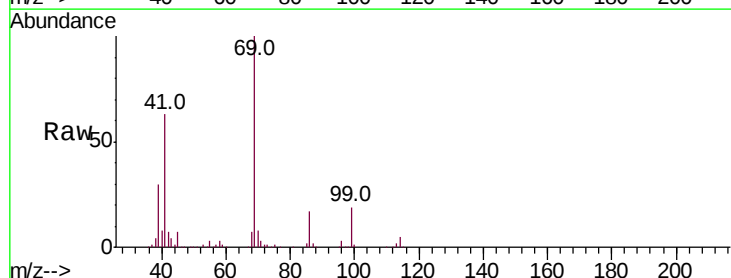
Manual Integrations
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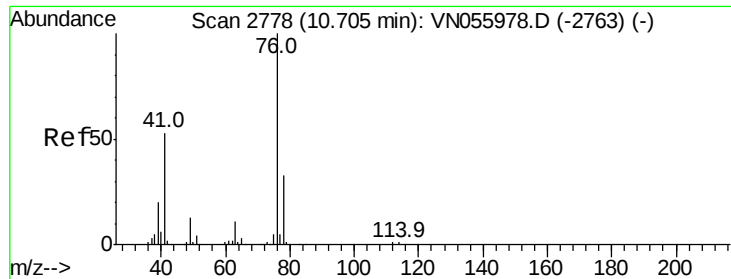
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 6/10/2019 11:26:45 AM



#56
 Ethyl methacrylate
 Concen: 54.115 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	69	Resp	223125
Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.7	74.5
39	29.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.617 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 241743

Ion Ratio Lower Upper

76 100

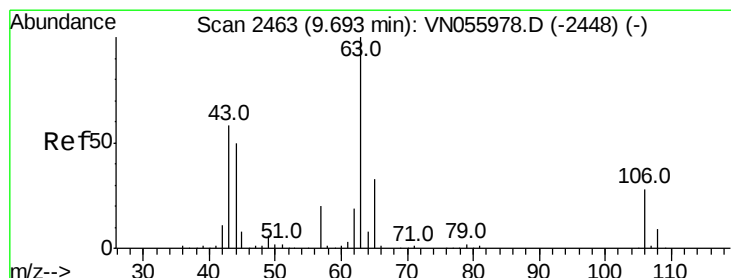
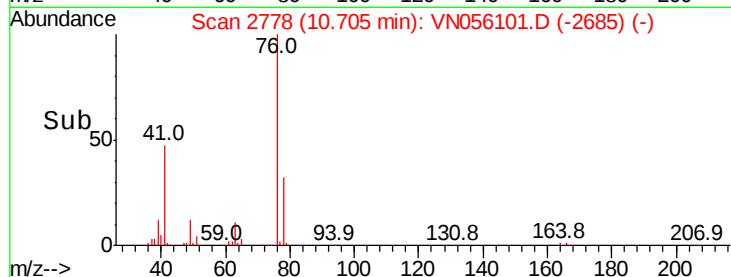
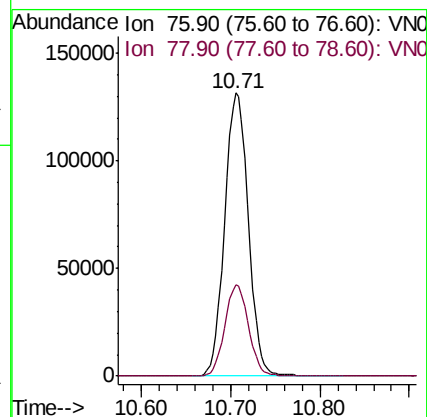
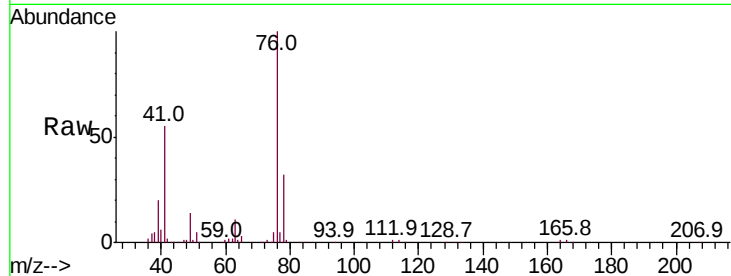
78 32.3 25.8 38.6

Manual Integrations

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MMDadoda

6/10/2019 11:26:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 250.786 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056101.D

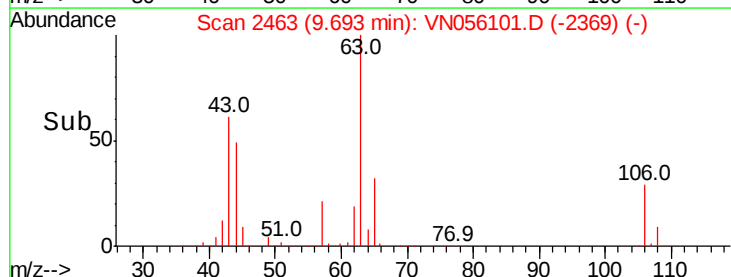
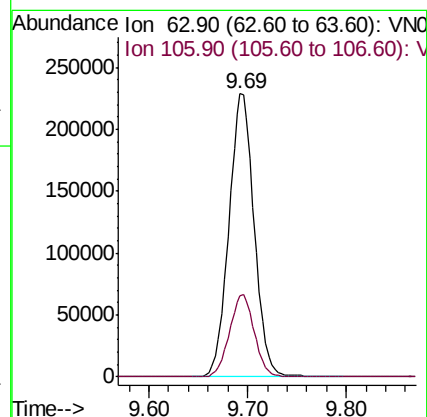
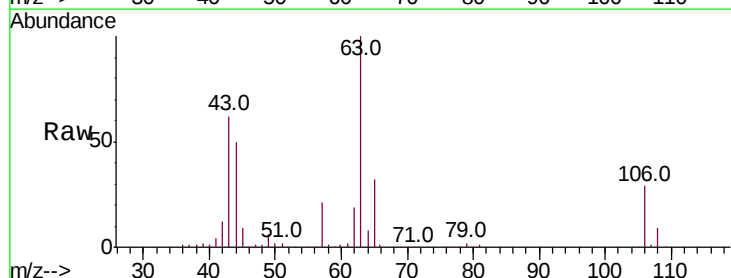
Acq: 7 Jun 2019 16:18

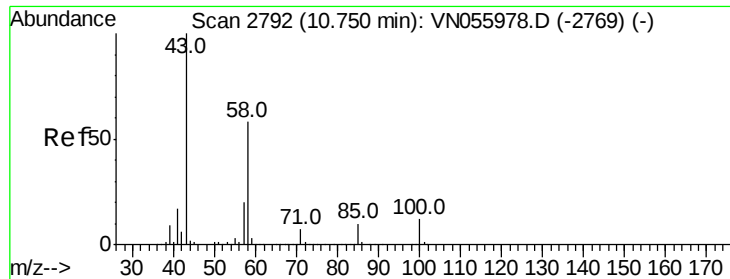
Tgt Ion: 63 Resp: 410056

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1





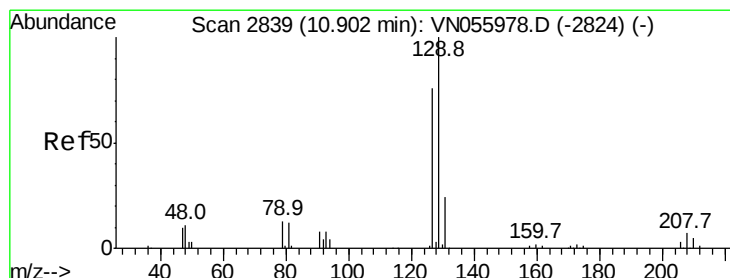
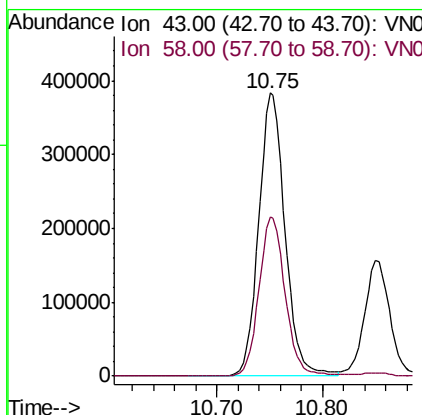
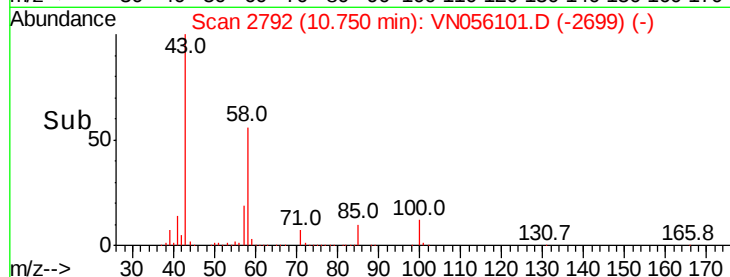
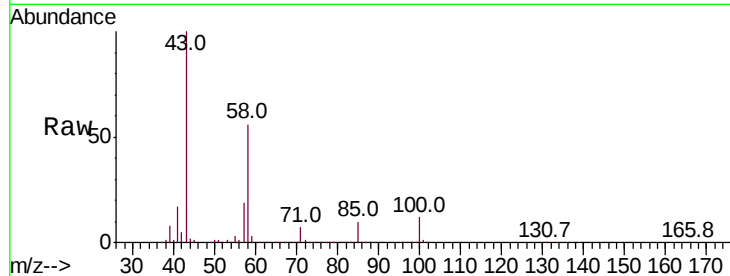
#59
2-Hexanone
Concen: 270.100 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 666344
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

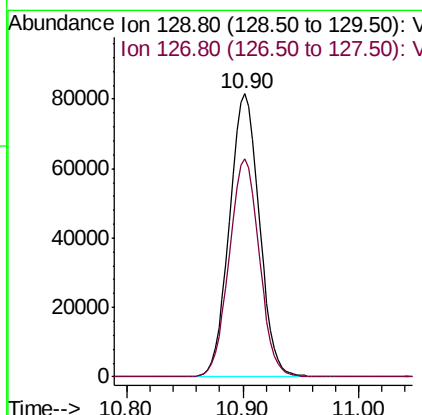
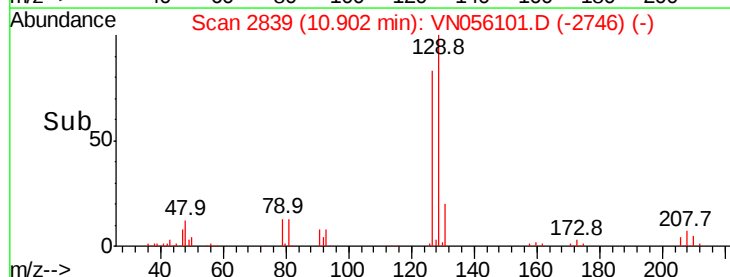
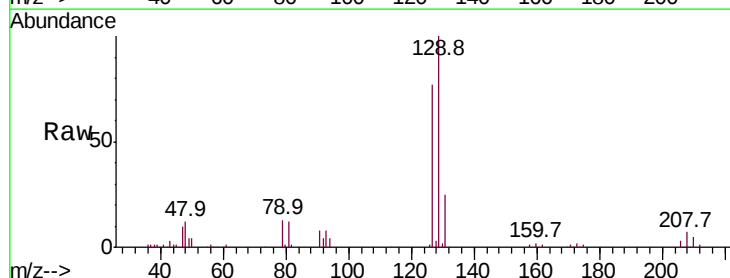
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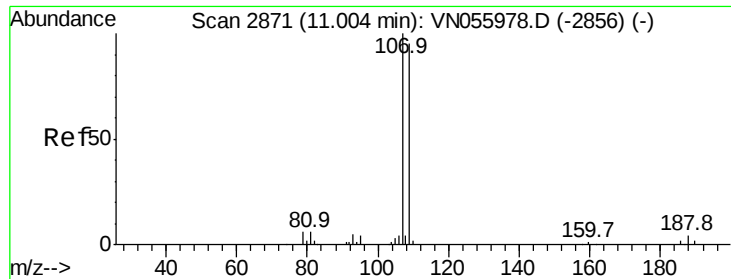
MMDadoda
6/10/2019 11:26:45 AM



#60
Dibromochloromethane
Concen: 46.771 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion: 129 Resp: 145270
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





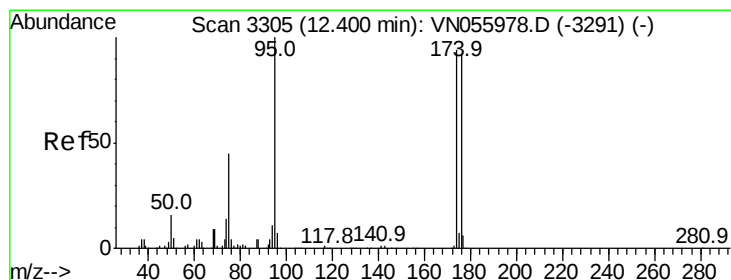
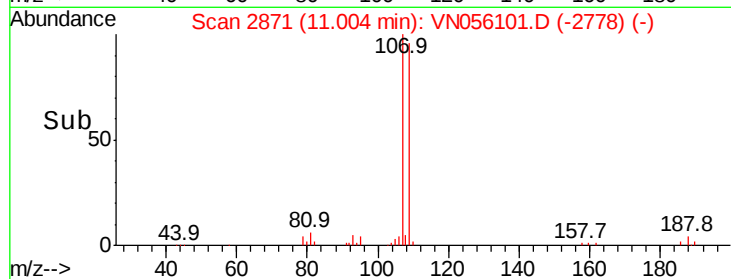
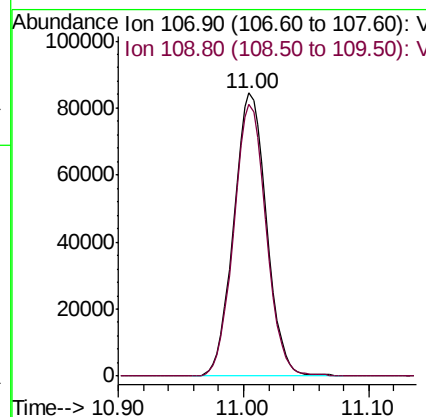
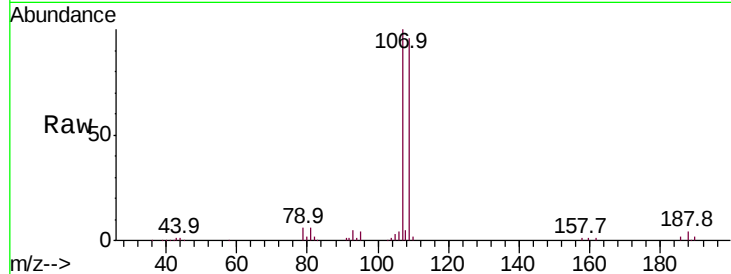
#61
1,2-Dibromoethane
Concen: 53.038 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	153241		
109	95.4	74.8	112.2	

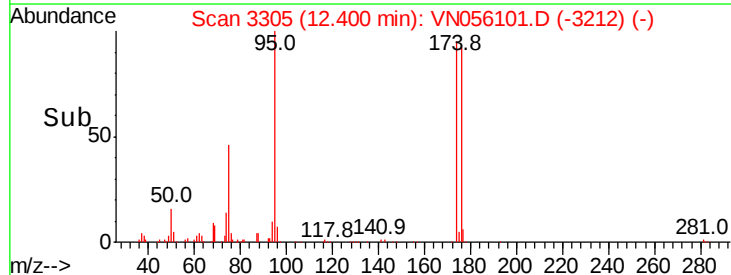
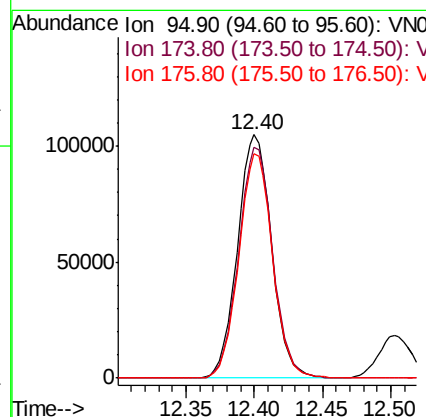
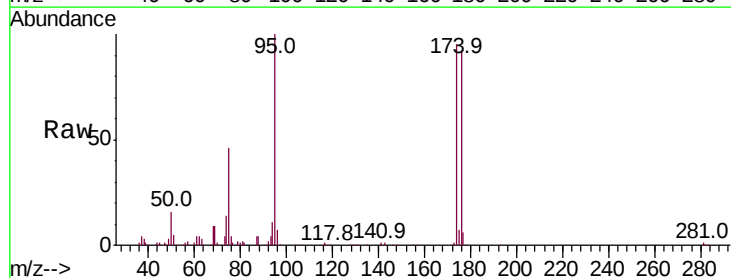
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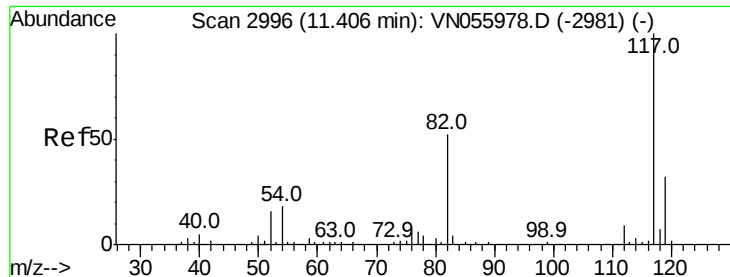
MMDadoda
6/10/2019 11:26:45 AM



#62
4-Bromofluorobenzene
Concen: 51.391 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	181151		
174	95.0	0.0	191.0	
176	91.4	0.0	185.2	





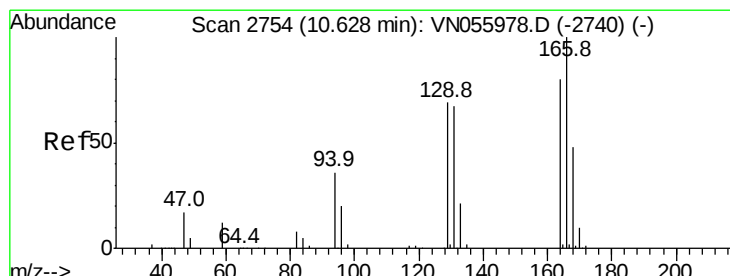
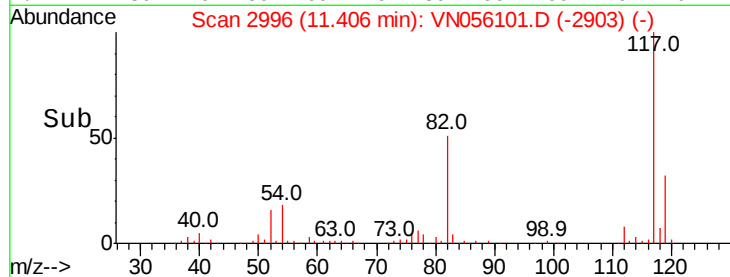
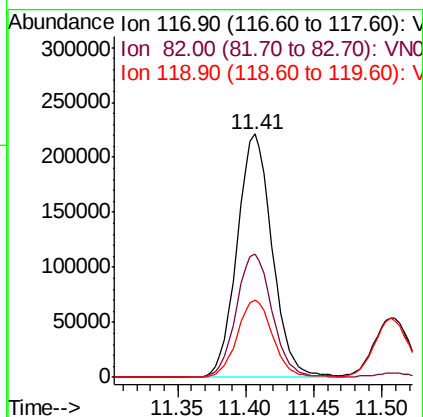
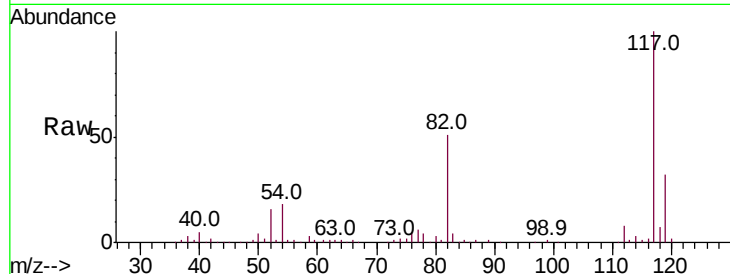
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.8	62.8
119	31.9	25.4	38.0

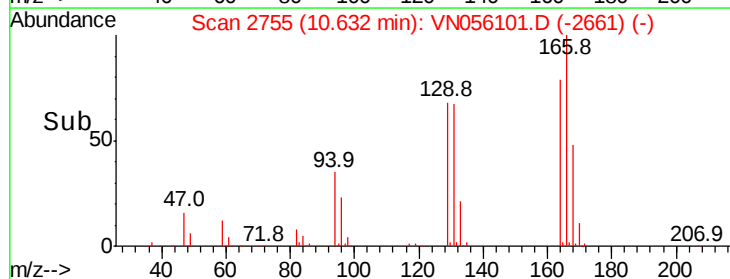
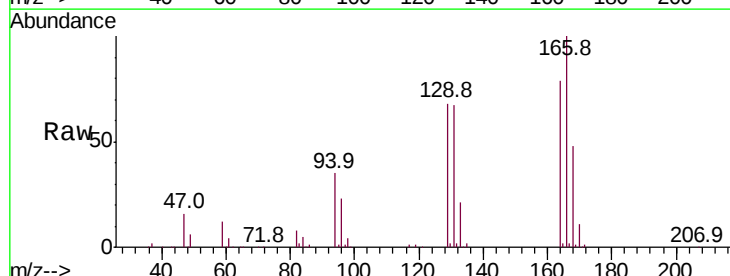
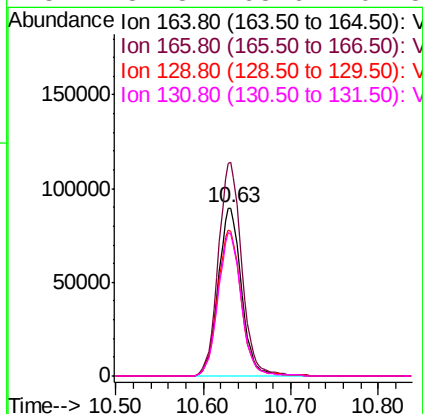
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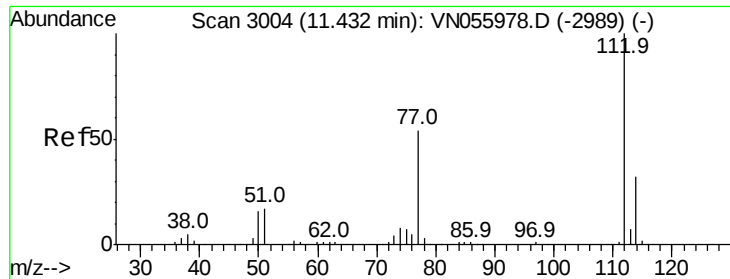
MMDadoda
6/10/2019 11:26:45 AM



#64
Tetrachloroethene
Concen: 48.306 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.0	154.6
129	86.0	70.6	105.8
131	84.8	68.6	102.8





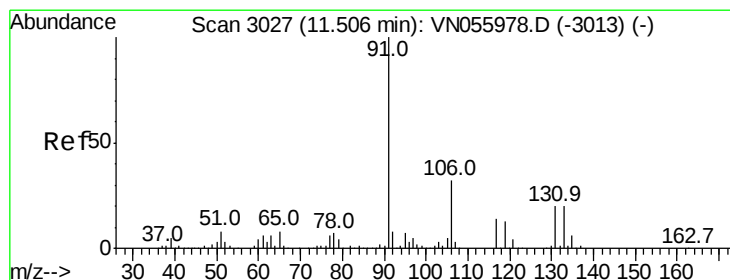
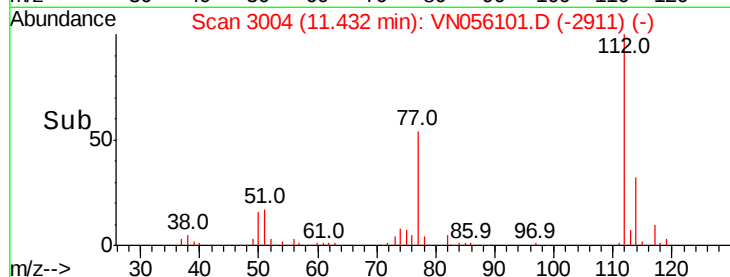
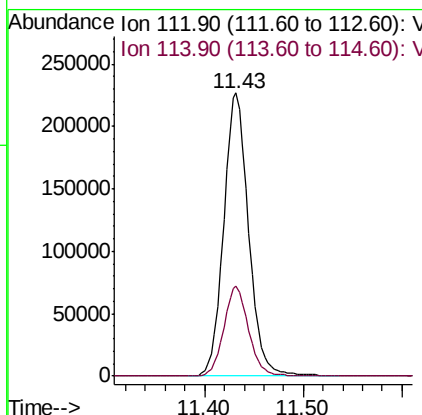
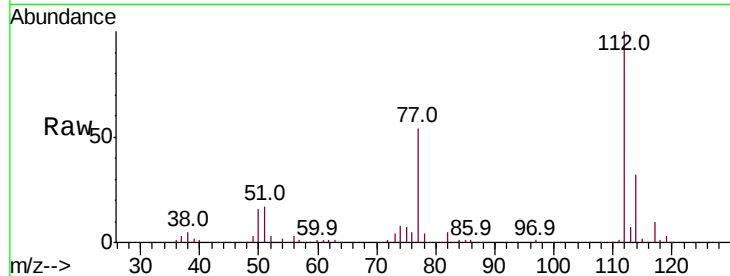
#65
Chlorobenzene
Concen: 50.918 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 401233
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

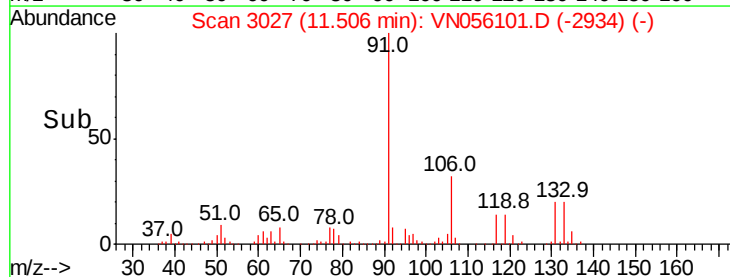
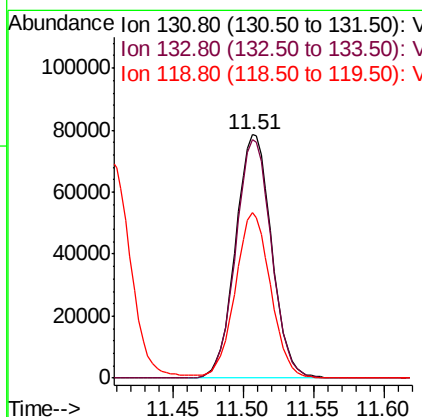
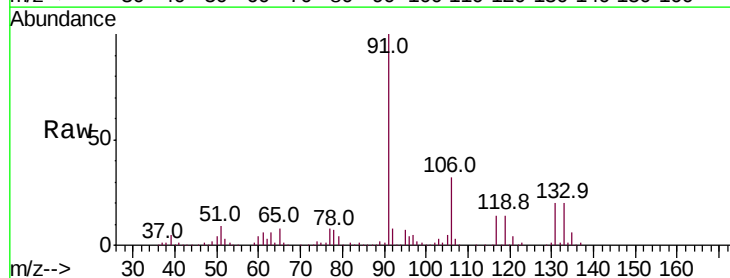
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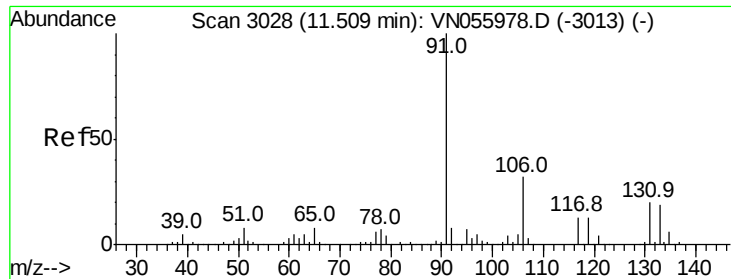
MMDadoda
6/10/2019 11:26:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.565 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion:131 Resp: 140303
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 66.9 33.1 99.5





#67

Ethyl Benzene

Concen: 50.541 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 692522

Ion Ratio Lower Upper

91 100

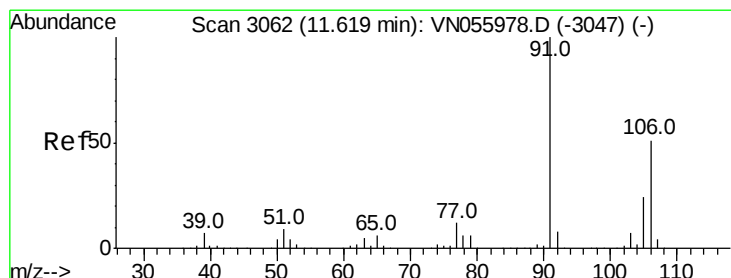
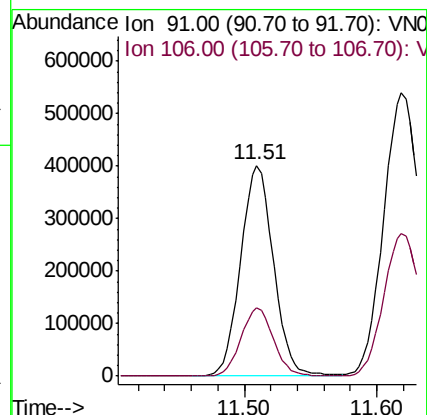
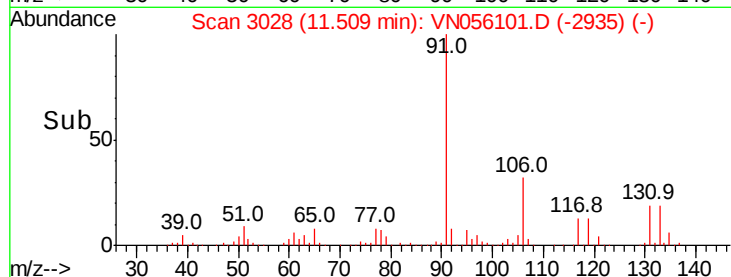
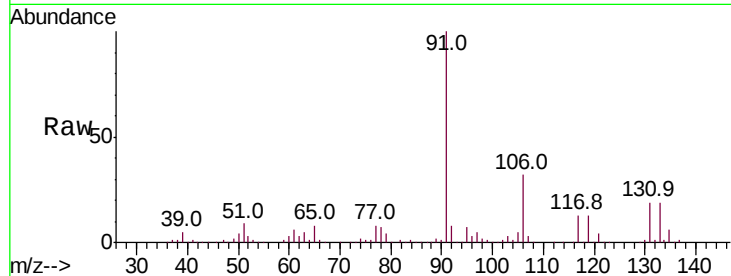
106 32.3 25.1 37.7

Manual Integrations

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6/10/2019 11:26:45 AM



#68

m/p-Xylenes

Concen: 102.520 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056101.D

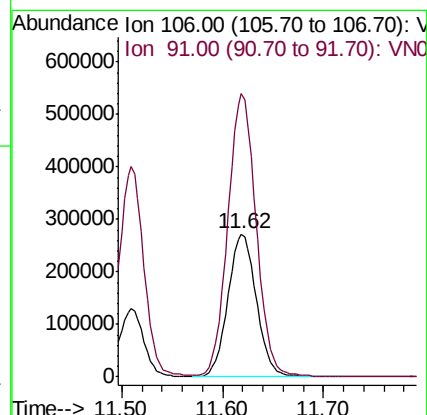
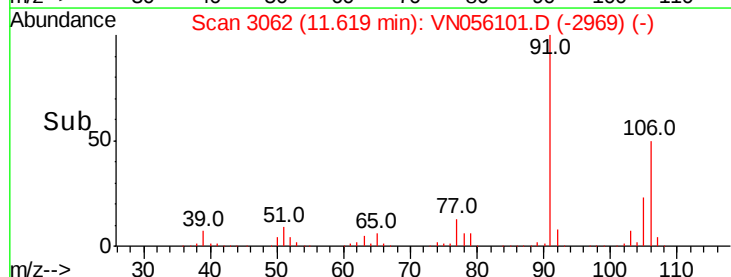
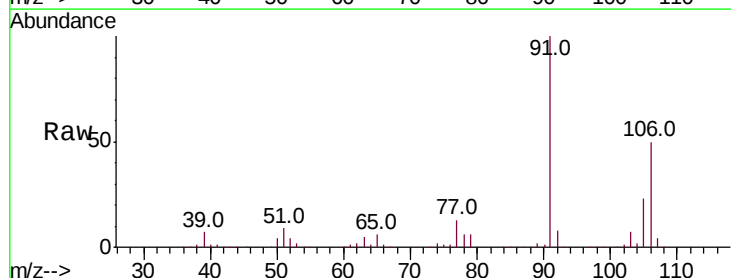
Acq: 7 Jun 2019 16:18

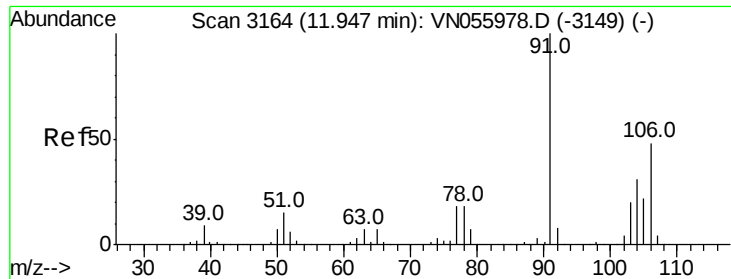
Tgt Ion: 106 Resp: 536626

Ion Ratio Lower Upper

106 100

91 197.4 159.3 238.9





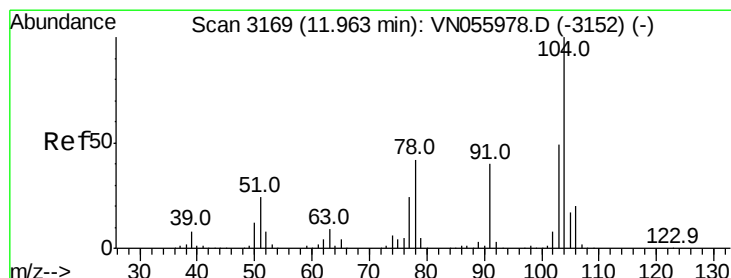
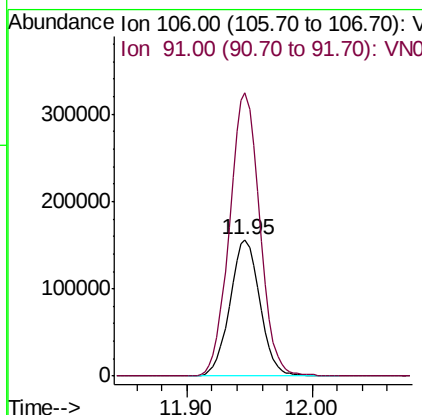
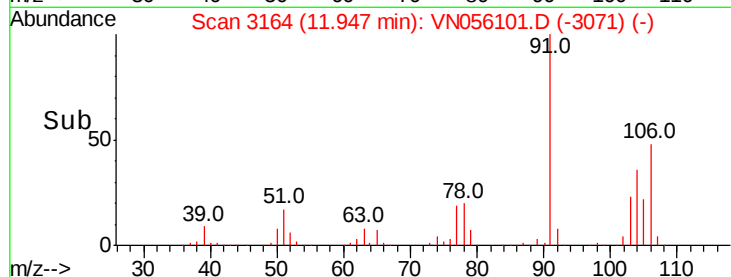
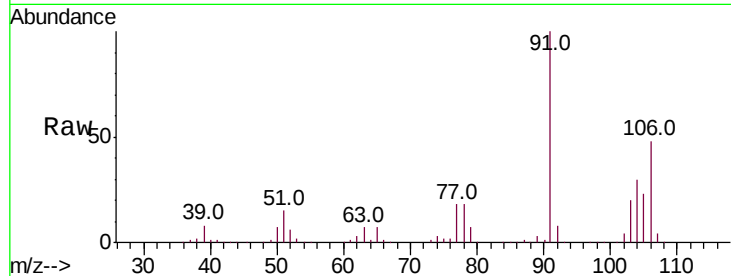
#69
o-Xylene
Concen: 50.415 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 259580
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1

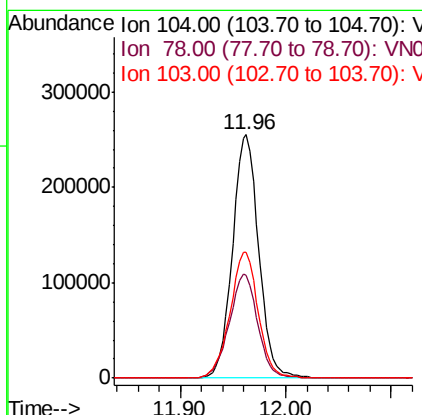
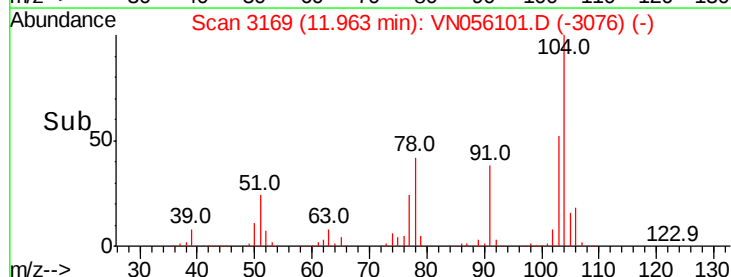
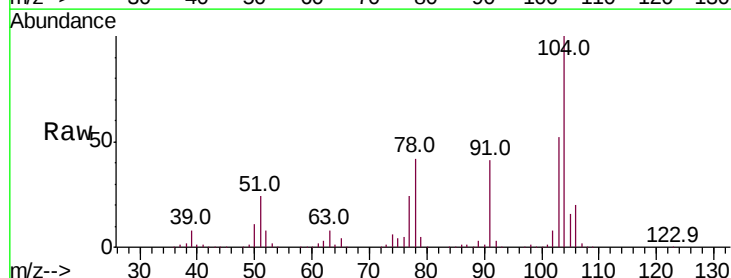
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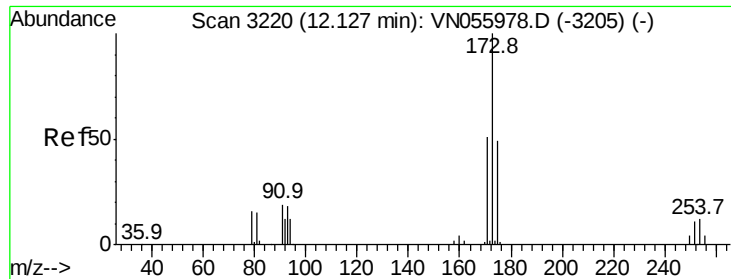
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#70
Styrene
Concen: 53.641 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion:104 Resp: 438824
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.8 44.2 66.2





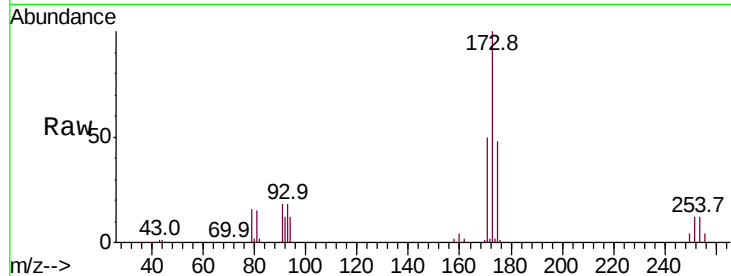
#71
Bromoform
Concen: 45.074 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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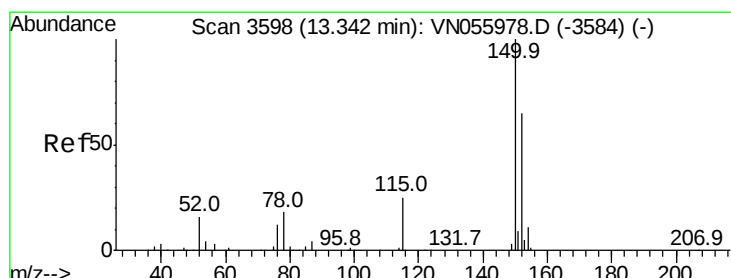
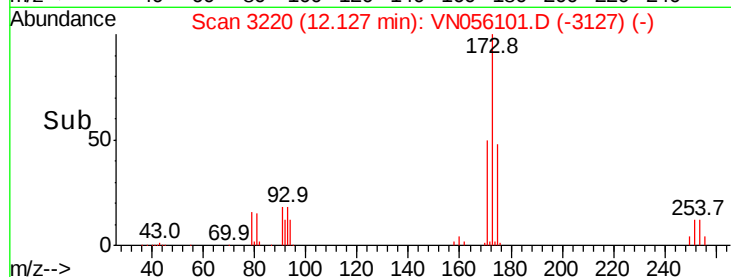
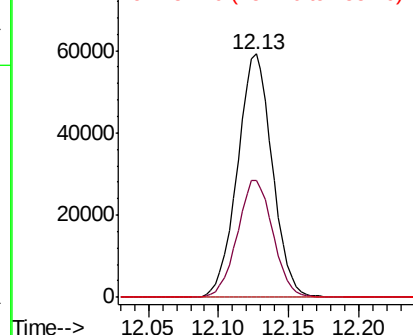


Abundance

Ion 172.70 (172.40 to 173.40): V

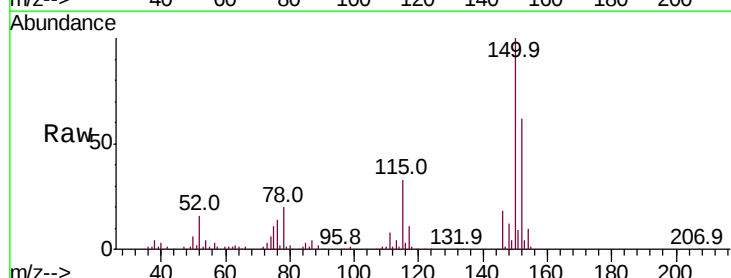
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.0	81.0
150	174.6	0.0	343.2

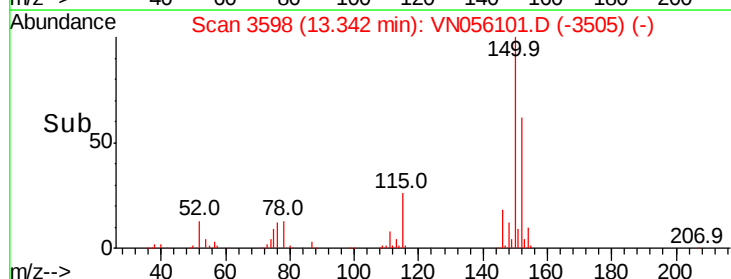
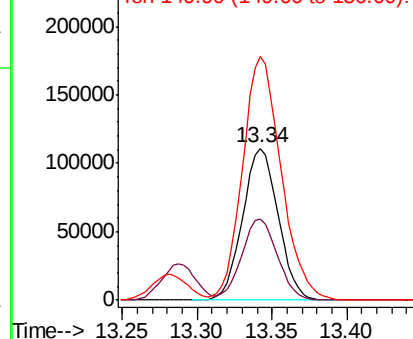


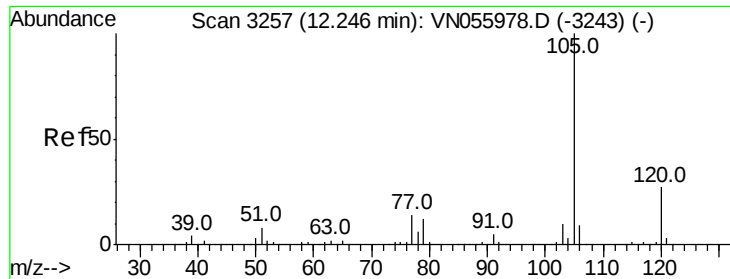
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.994 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 690222

Ion Ratio Lower Upper

105 100

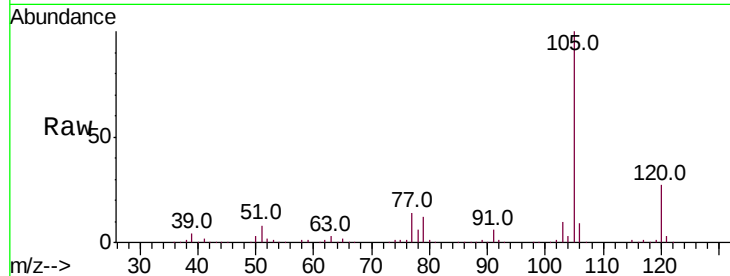
120 27.2 13.6 40.7

Manual Integrations

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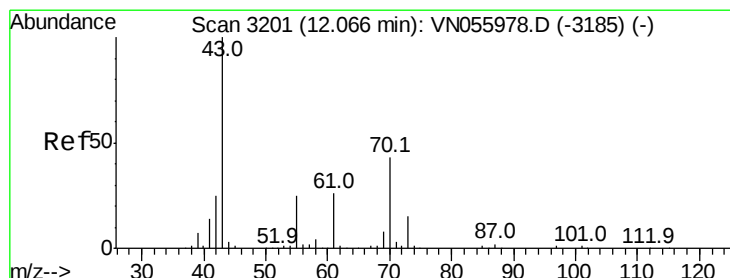
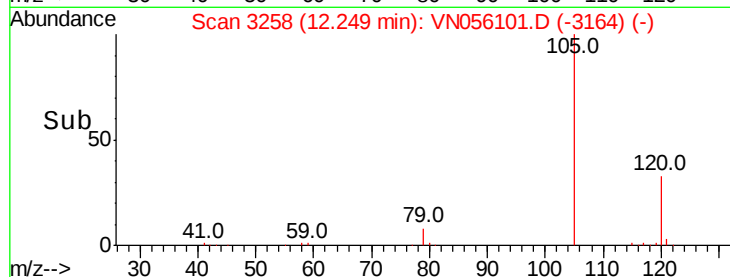
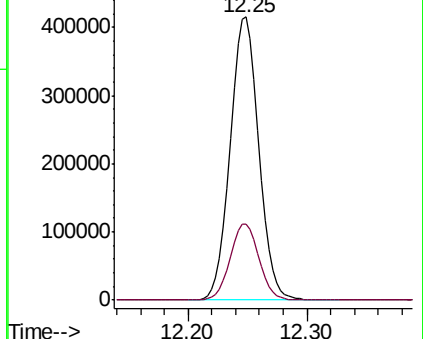
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.790 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion: 43 Resp: 243182

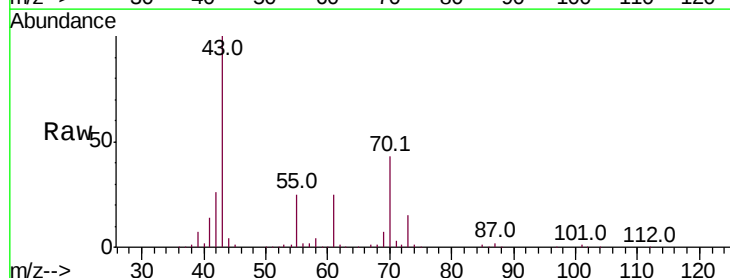
Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 25.6 18.6 28.0

61 25.6 20.0 30.0

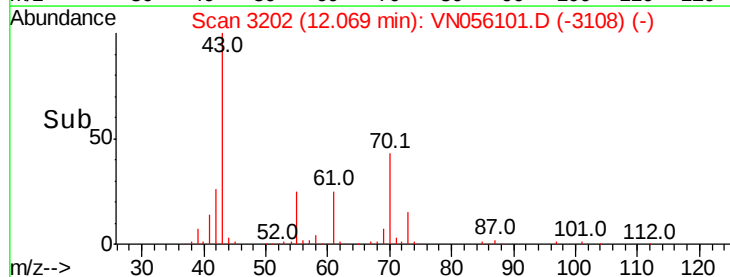
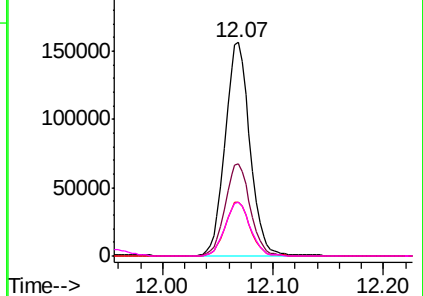


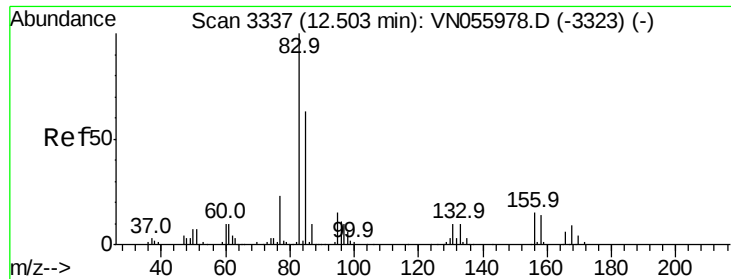
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.524 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

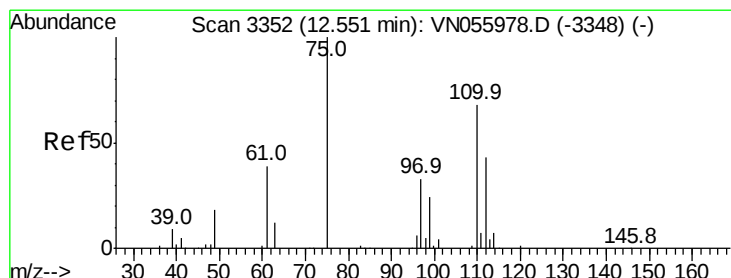
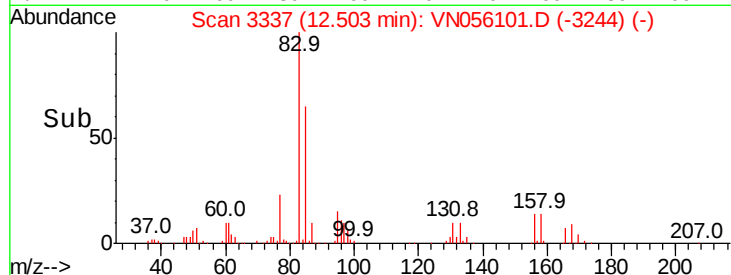
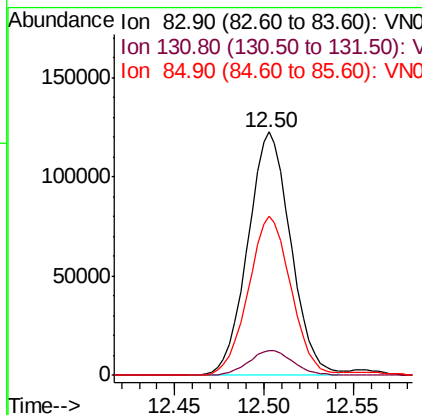
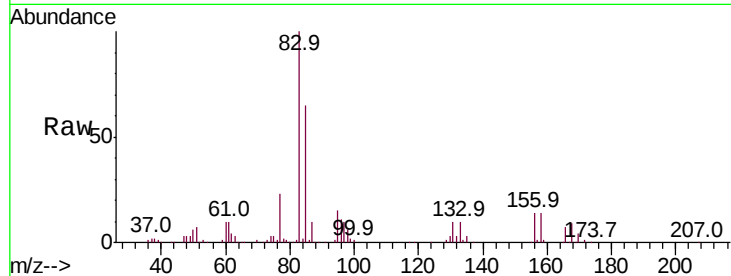
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206393
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	65.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.285 ug/l m

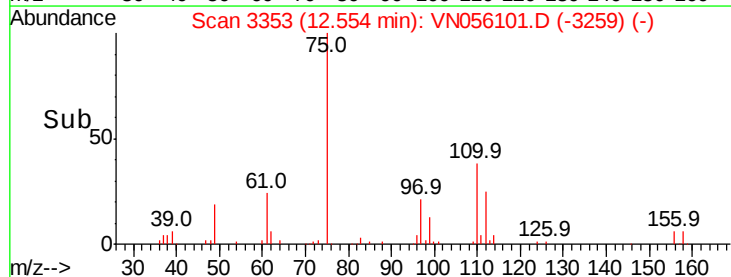
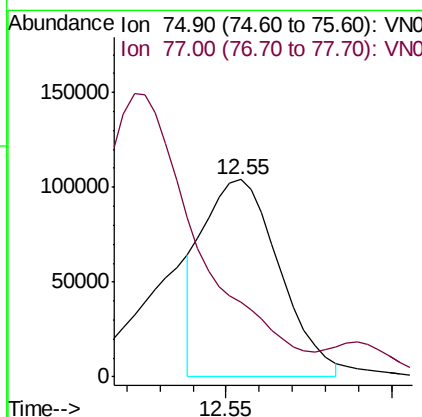
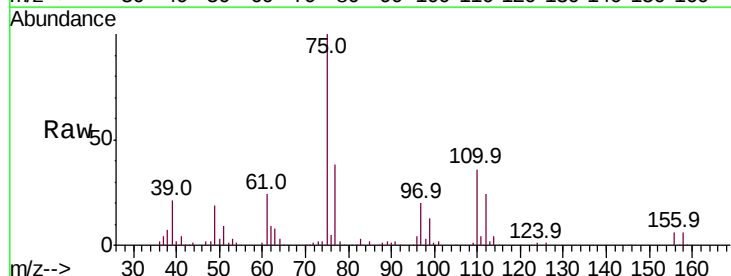
RT: 12.55 min Scan# 3353

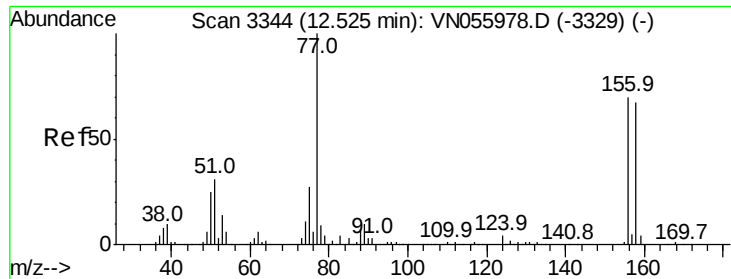
Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	75	Resp:	166159
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.240 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

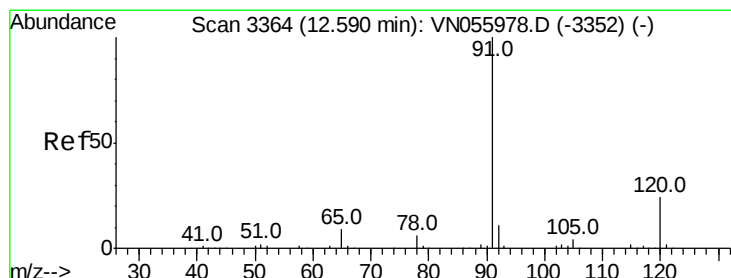
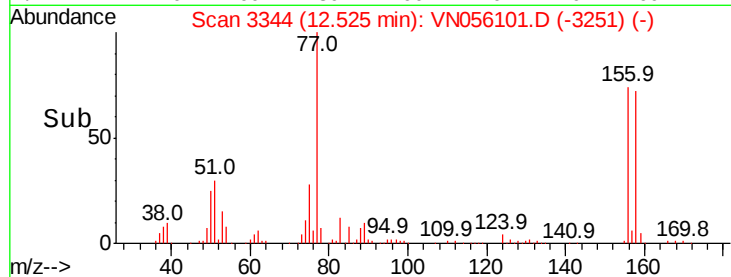
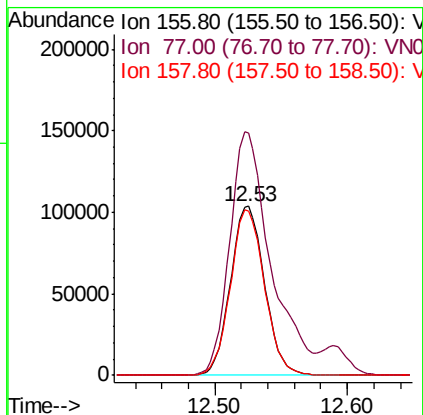
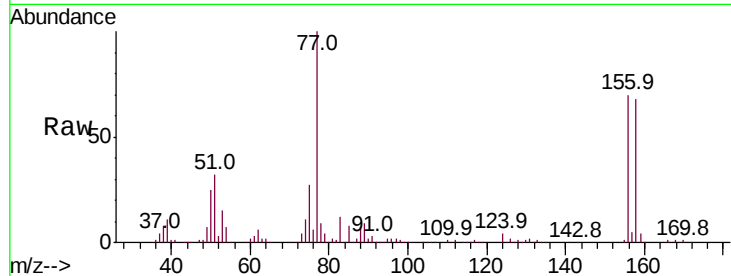
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	185313
Ion Ratio	Lower	Upper	
156	100		
77	174.3	90.8	272.5
158	97.8	49.3	147.8

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#78

n-propylbenzene

Concen: 48.861 ug/l

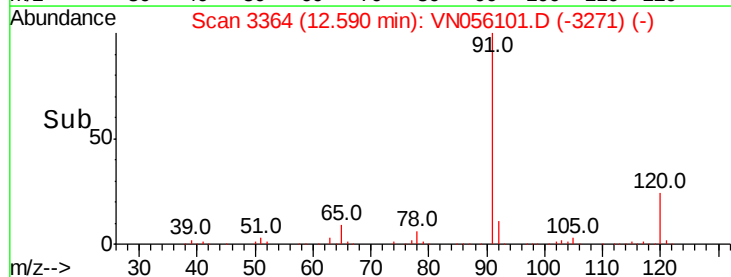
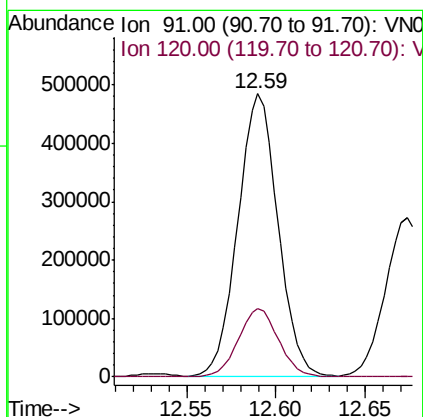
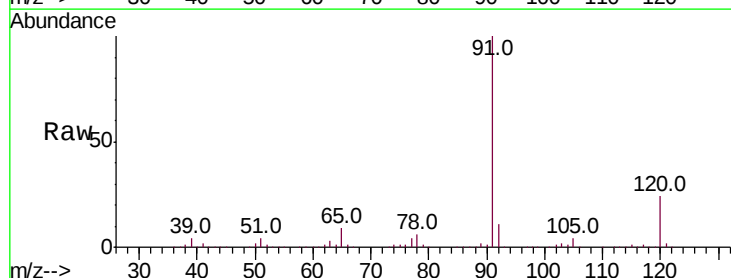
RT: 12.59 min Scan# 3364

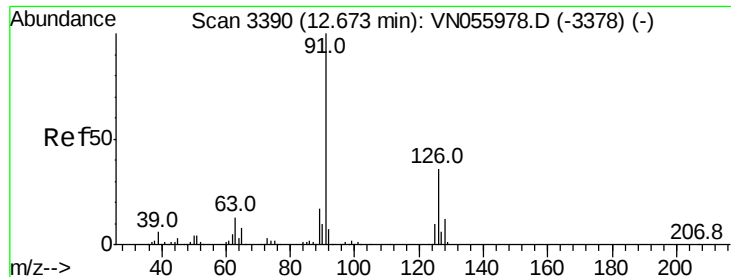
Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	91	Resp:	757380
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.851 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 453258

Ion Ratio Lower Upper

91 100

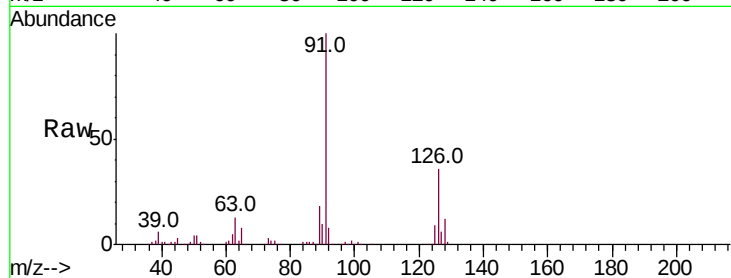
126 36.1 18.1 54.4

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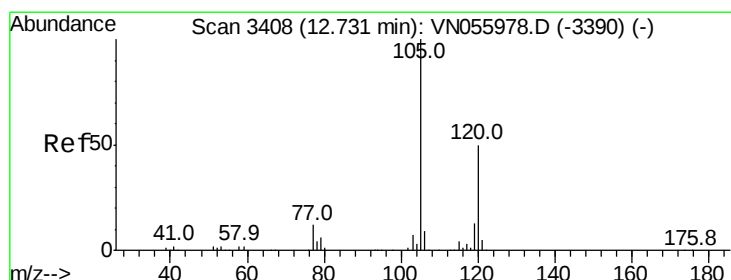
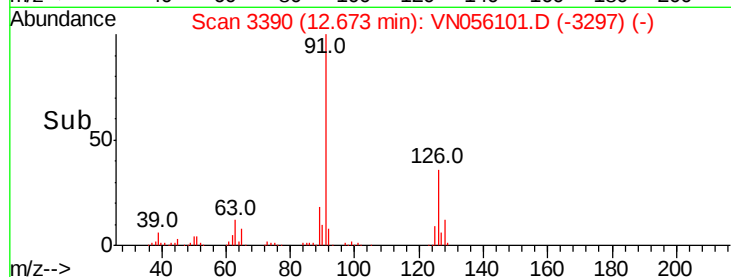
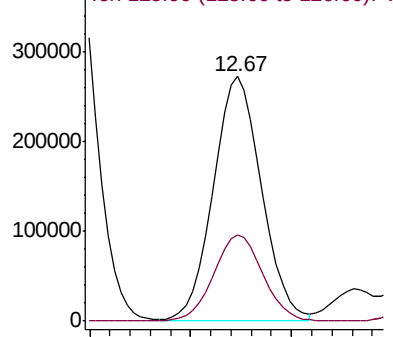
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.902 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056101.D

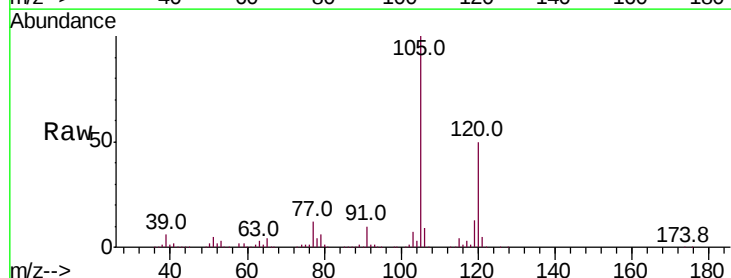
Acq: 7 Jun 2019 16:18

Tgt Ion:105 Resp: 577798

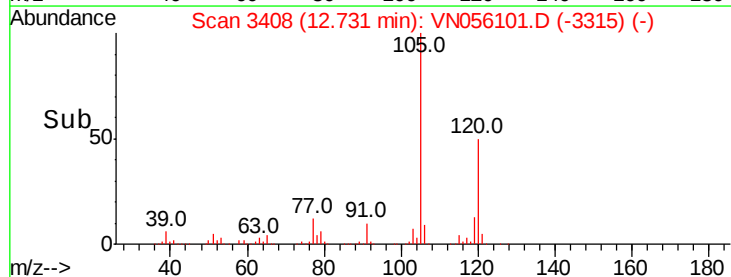
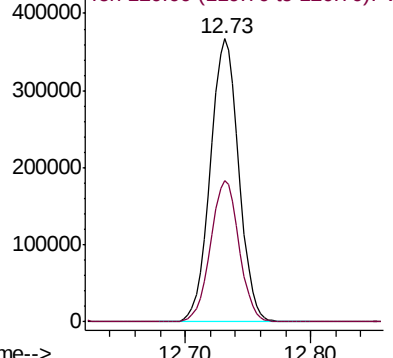
Ion Ratio Lower Upper

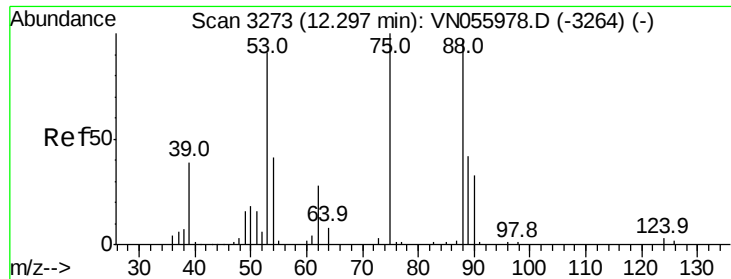
105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.395 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 51019

Ion Ratio Lower Upper

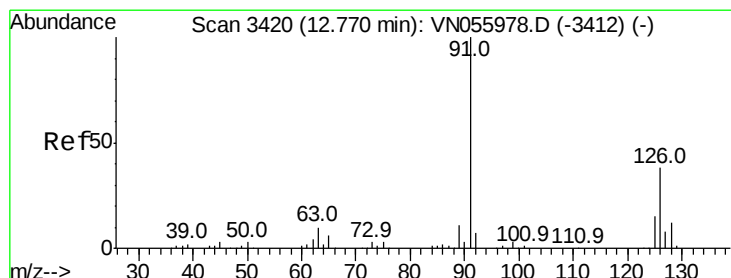
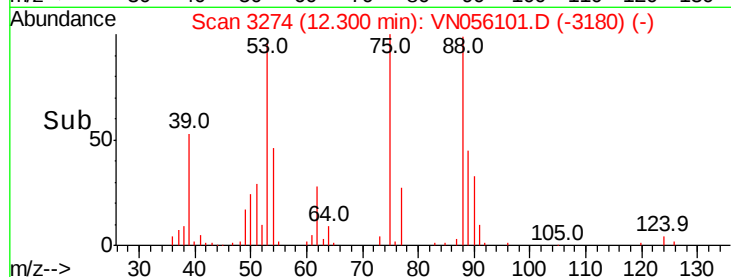
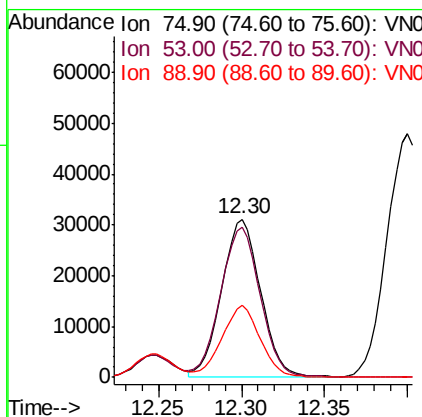
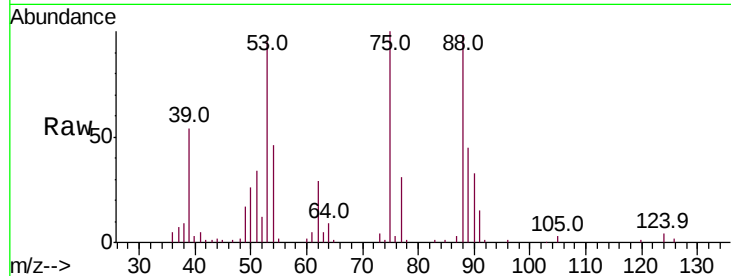
75 100

53 96.8 68.1 102.1

89 44.5 36.9 55.3

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#82

4-Chlorotoluene

Concen: 49.449 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056101.D

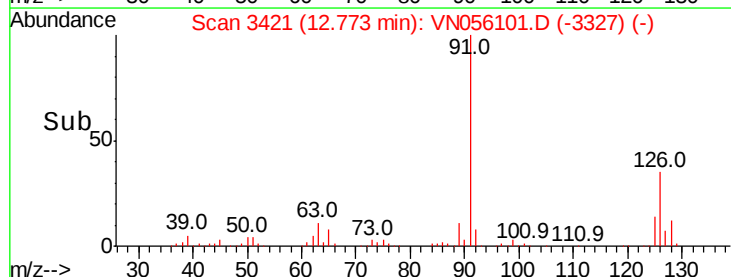
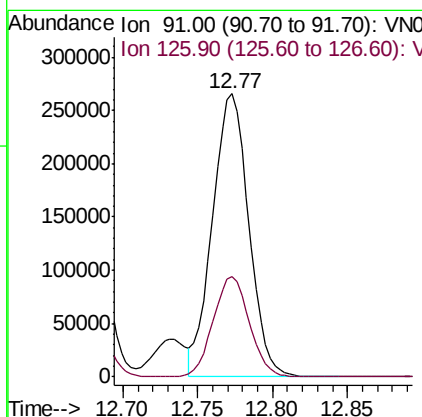
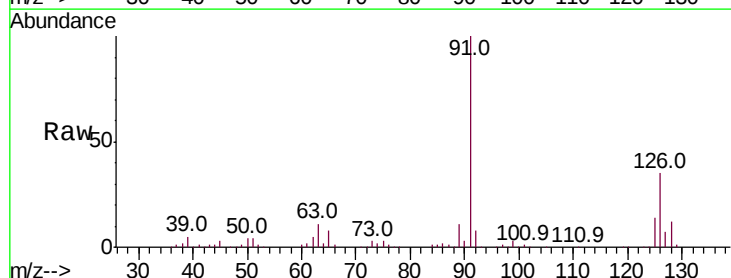
Acq: 7 Jun 2019 16:18

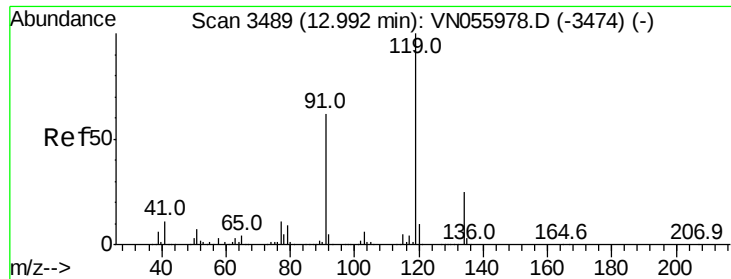
Tgt Ion: 91 Resp: 448431

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.3





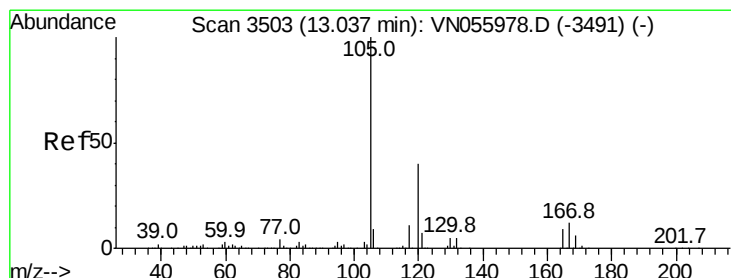
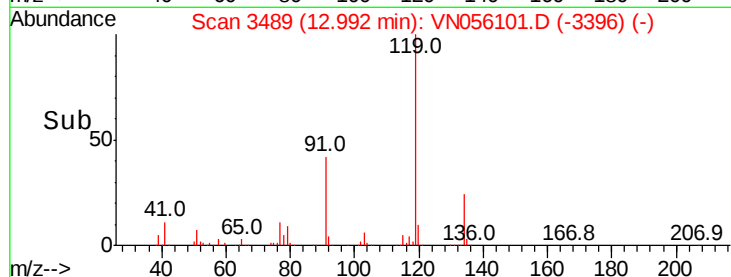
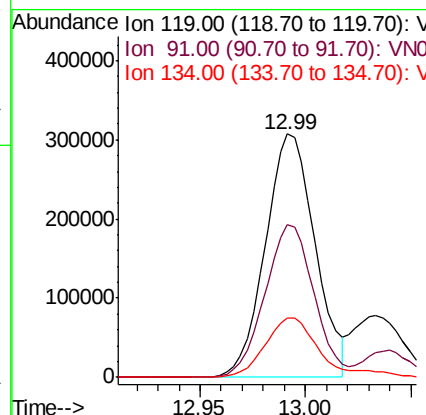
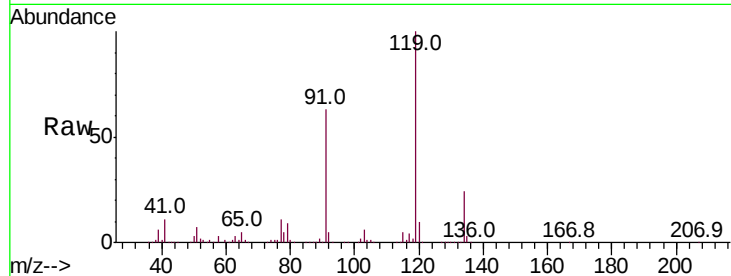
#83
tert-Butylbenzene
Concen: 52.861 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.9	92.8
134	27.0	13.3	39.8

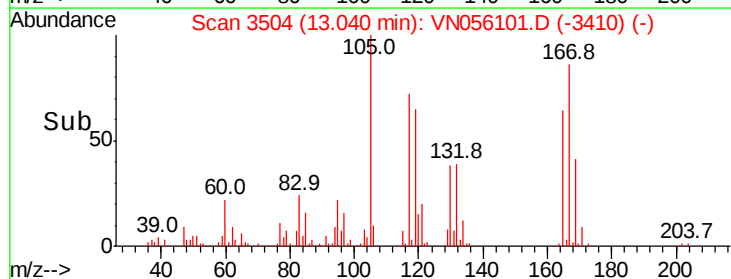
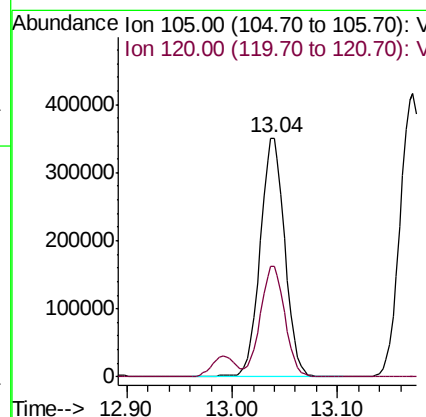
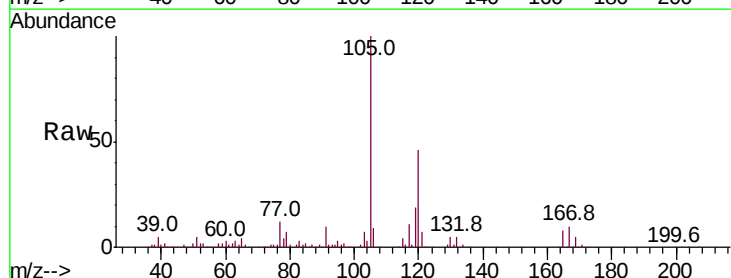
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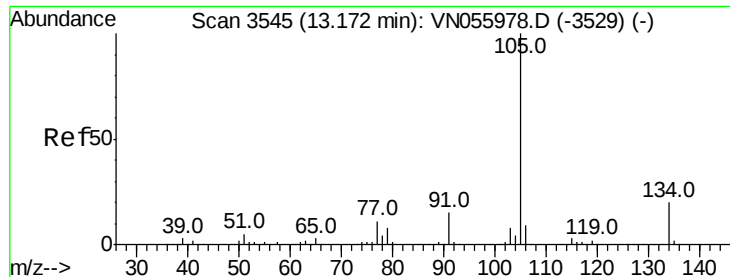
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#84
1,2,4-Trimethylbenzene
Concen: 48.950 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0





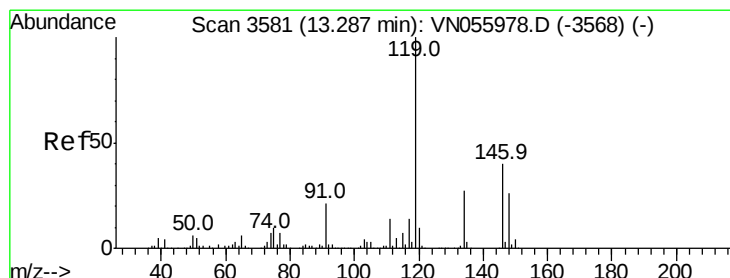
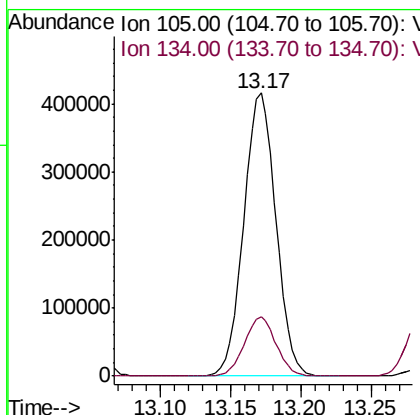
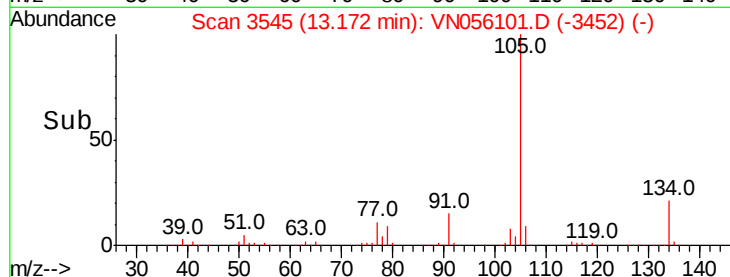
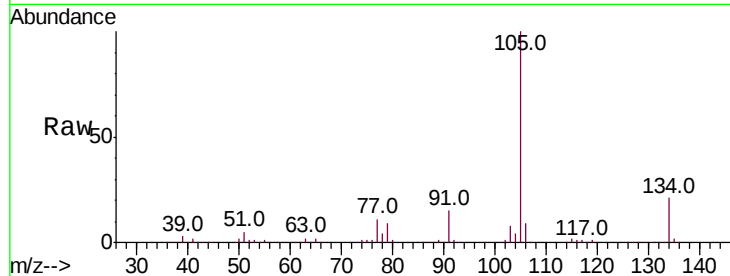
#85
 sec-Butylbenzene
 Concen: 48.345 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 663639
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.2

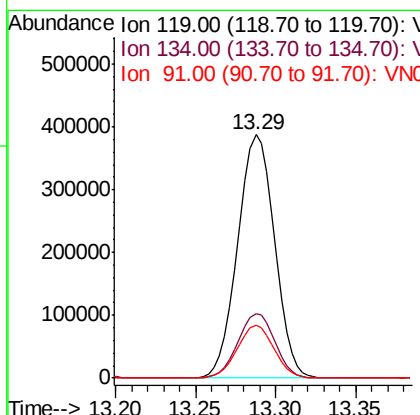
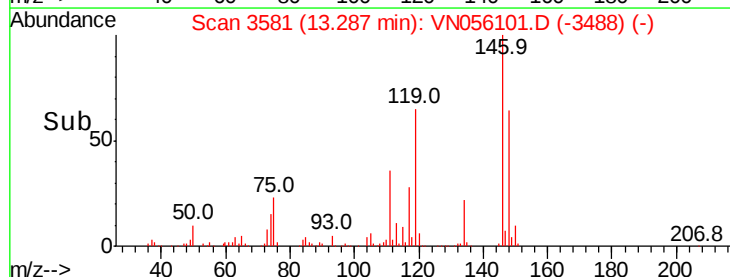
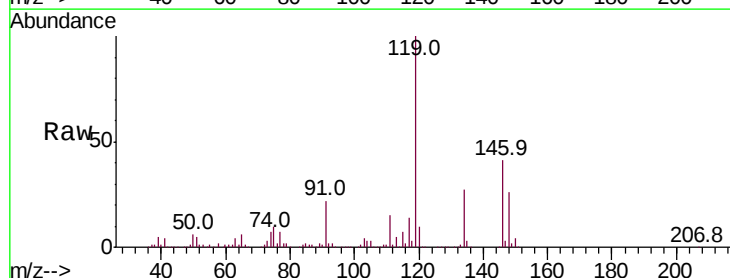
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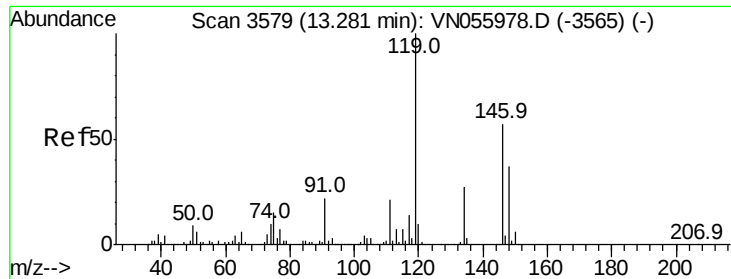
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#86
 p-Isopropyltoluene
 Concen: 49.357 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion:119 Resp: 606368
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 21.5 10.9 32.9





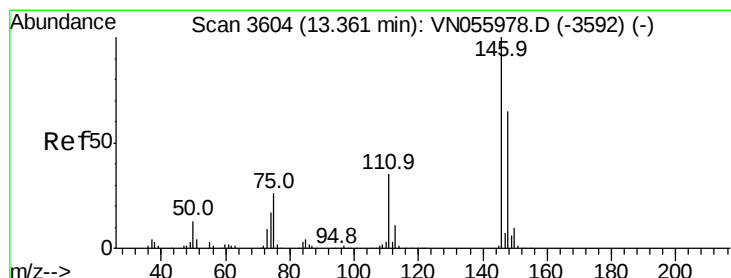
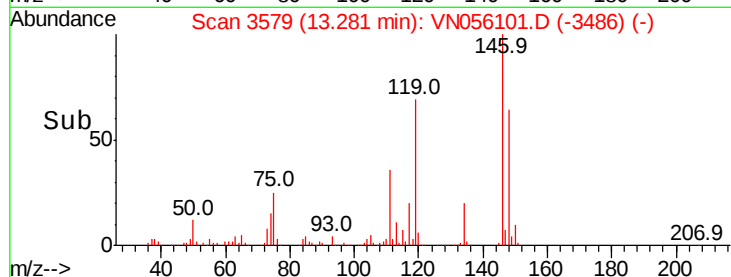
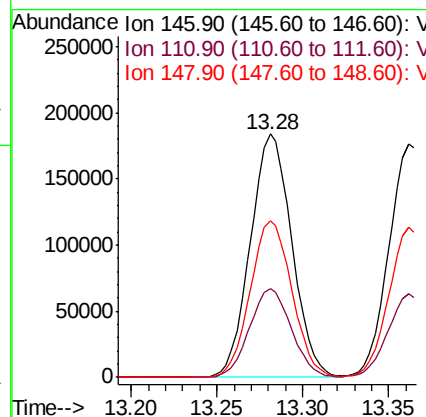
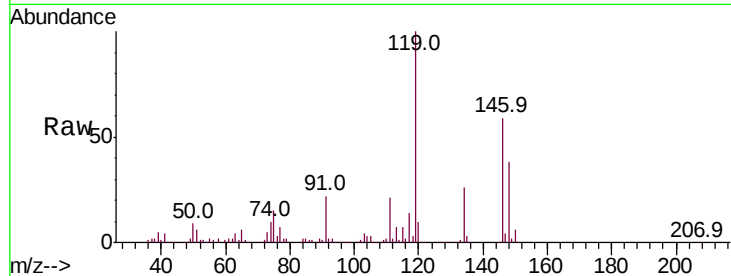
#87
 1,3-Dichlorobenzene
 Concen: 50.658 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	307562		
111	36.6	18.5	55.5	
148	64.7	32.0	96.2	

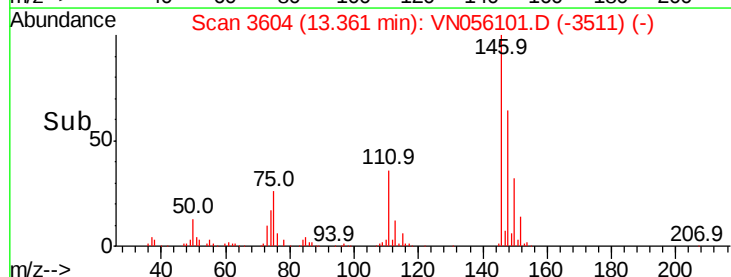
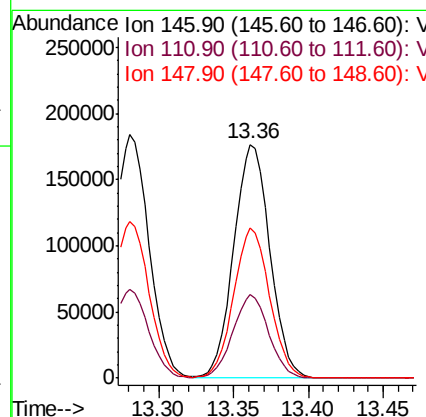
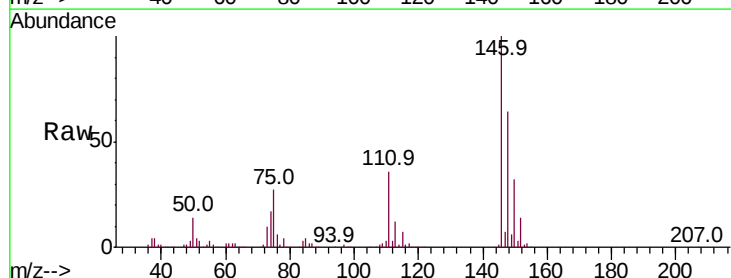
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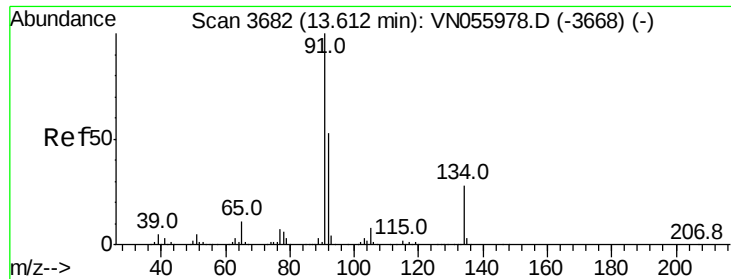
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#88
 1,4-Dichlorobenzene
 Concen: 50.954 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	297588		
111	35.3	18.1	54.4	
148	63.8	32.1	96.5	





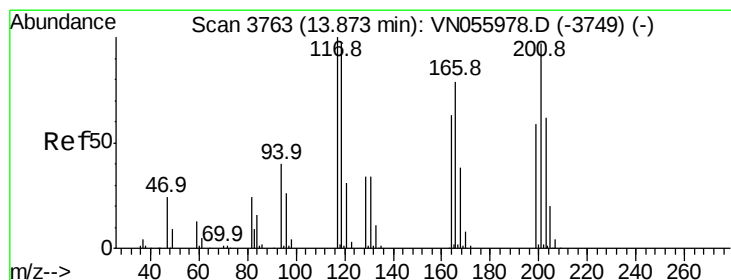
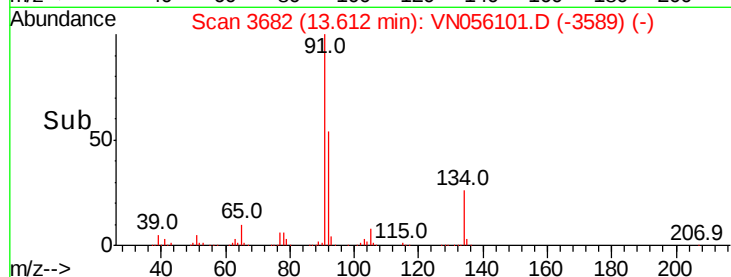
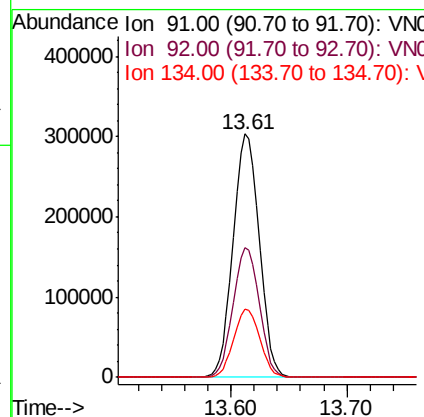
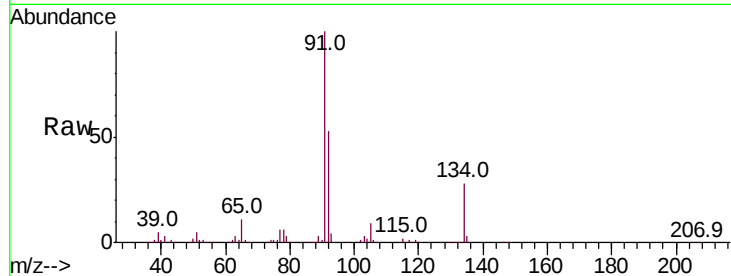
#89
n-Butylbenzene
Concen: 51.820 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	28.0	13.9	41.7

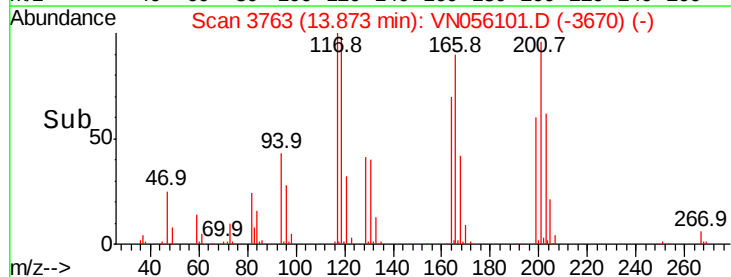
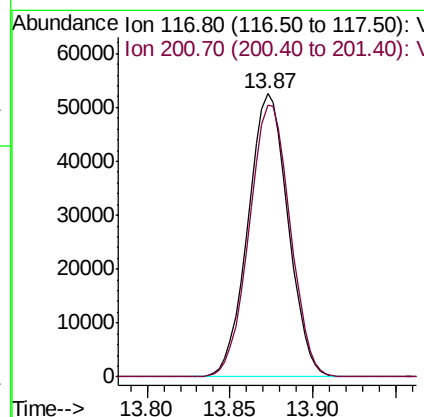
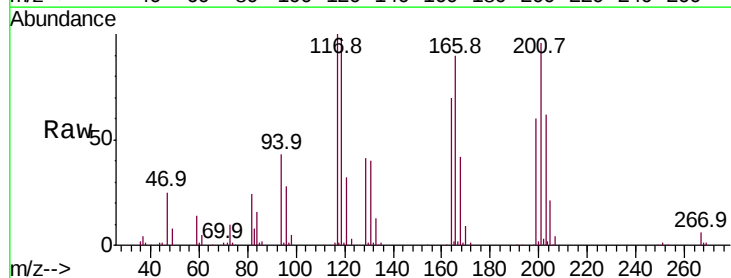
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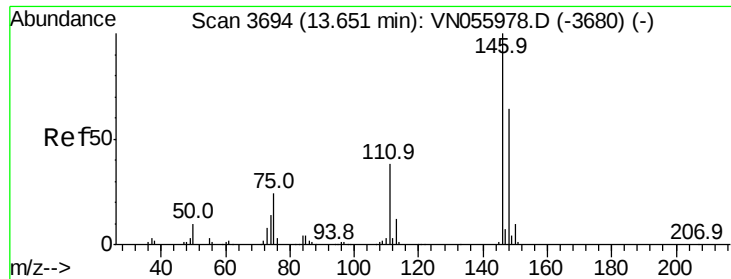
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#90
Hexachloroethane
Concen: 47.712 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056101.D
Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	50.0	150.0





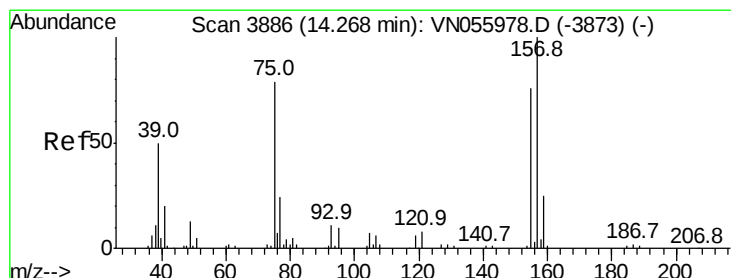
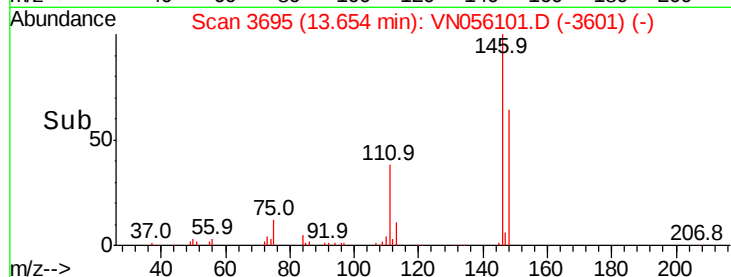
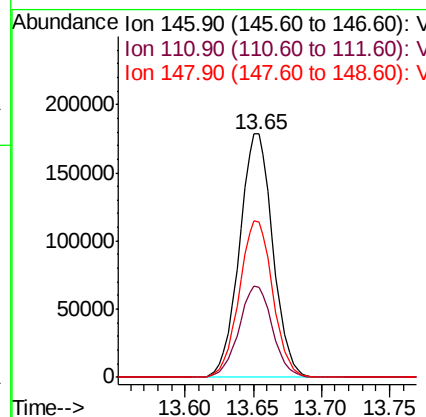
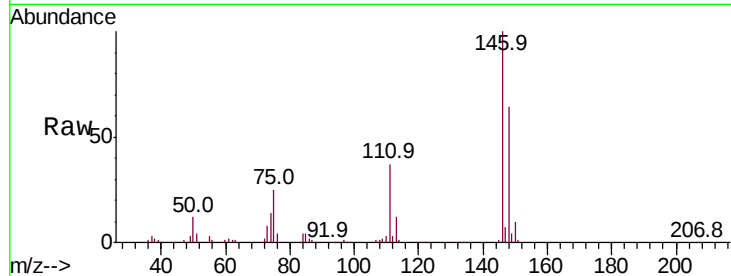
#91
 1,2-Dichlorobenzene
 Concen: 49.286 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	302110		
111	37.5	19.1	57.5	
148	64.5	31.9	95.9	

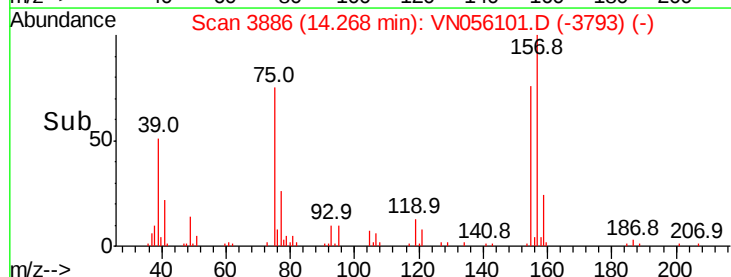
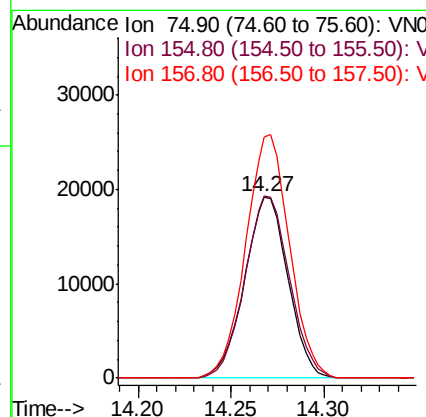
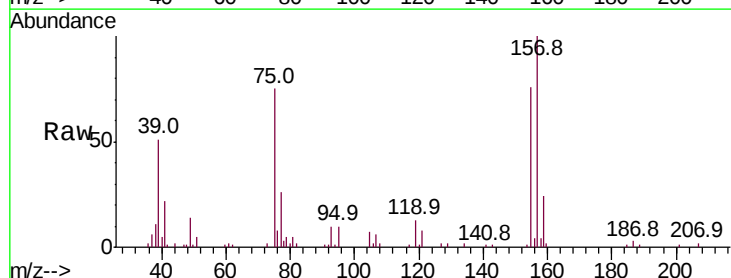
Manual Integrations
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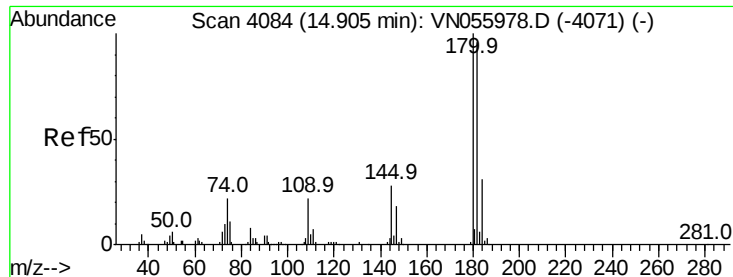
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 6/10/2019 11:26:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.295 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31206		
155	102.8	50.0	150.1	
157	135.2	64.8	194.3	





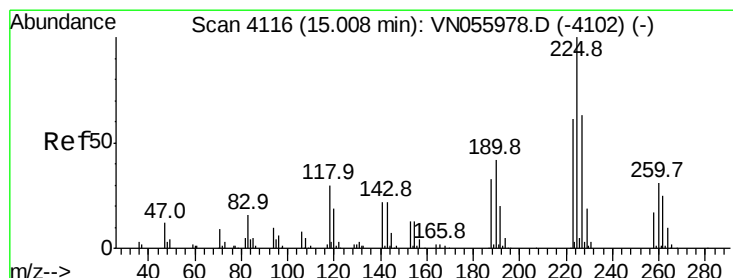
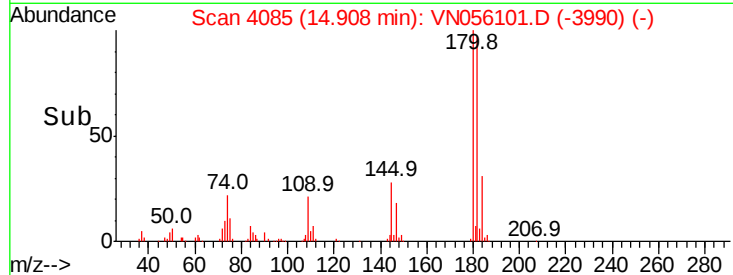
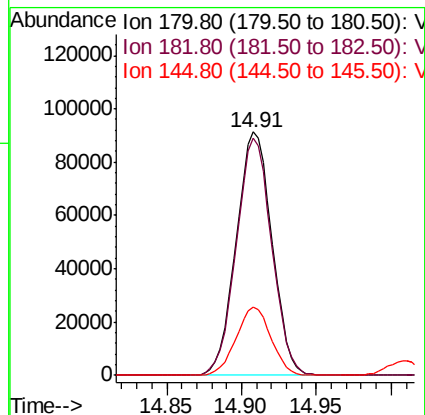
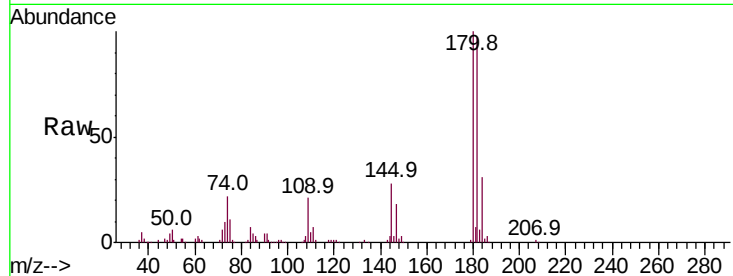
#93
 1,2,4-Trichlorobenzene
 Concen: 45.494 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152251		
182	96.4	48.3	144.9	
145	27.4	14.0	41.9	

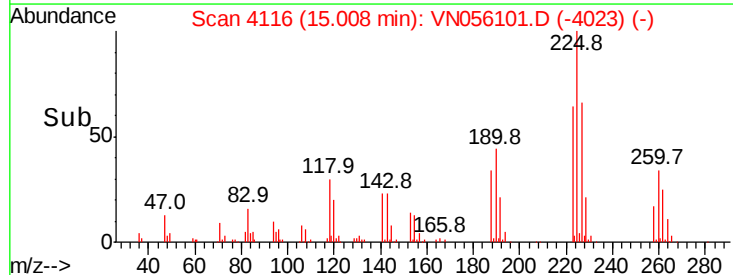
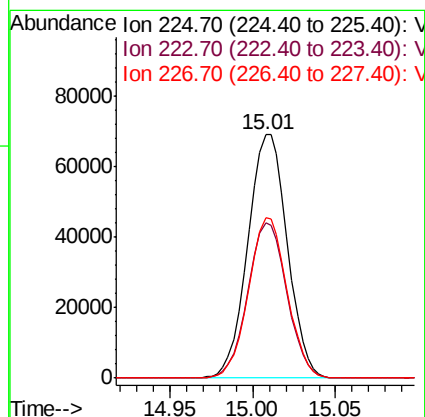
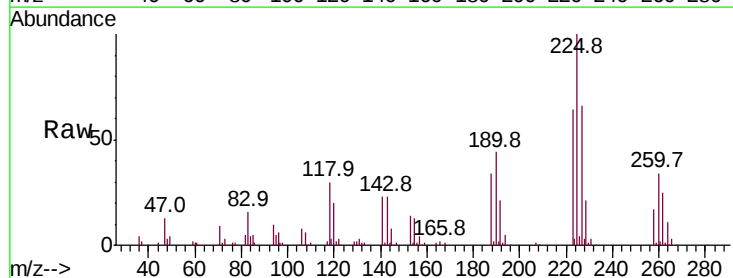
Manual Integrations
 APPROVED

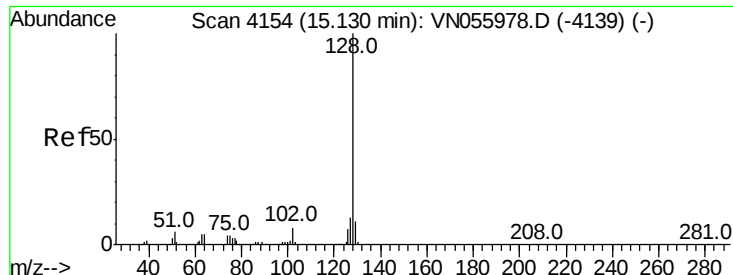
MMDadoda
 6/10/2019 11:26:45 AM



#94
 Hexachlorobutadiene
 Concen: 54.651 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056101.D
 Acq: 7 Jun 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114488		
223	63.0	30.9	92.7	
227	64.1	31.6	94.7	





#95

Naphthalene

Concen: 45.353 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Instrument :

MSVOA_N

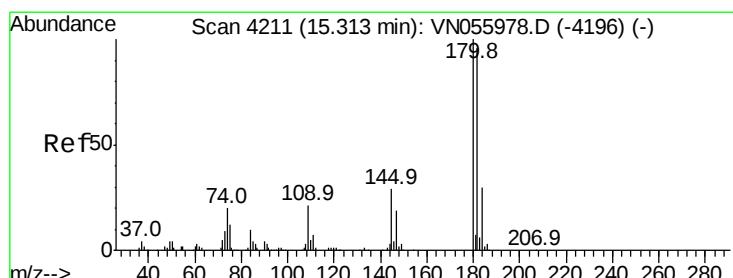
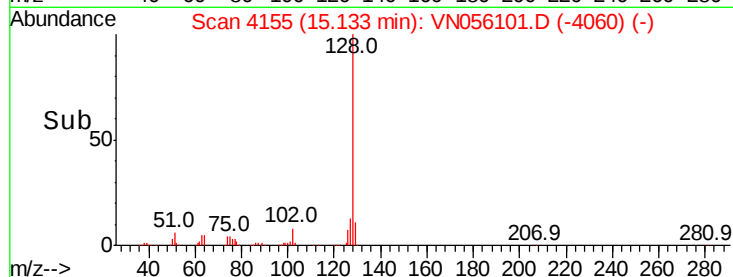
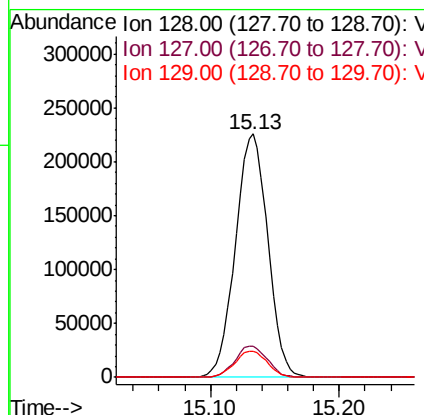
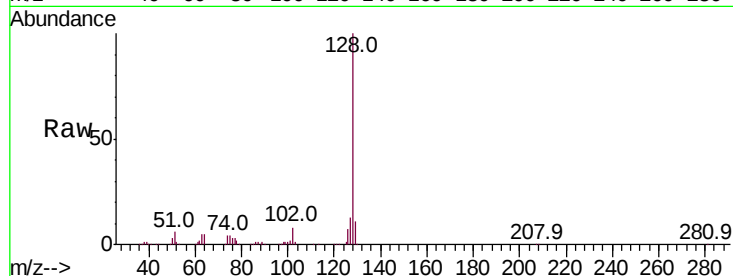
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	394058
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.327 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056101.D

Acq: 7 Jun 2019 16:18

Tgt Ion:	180	Resp:	162325
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	29.5	14.9	44.7

