

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056057.D
 Acq On : 6 Jun 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:37:10 AM

Quant Time: Jun 07 06:37:47 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	303077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	454109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	156968	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	141444	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	543629	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	186904	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	167311	50.248	ug/l	100
3) Chloromethane	2.06	50	175857	53.527	ug/l	99
4) Vinyl Chloride	2.18	62	174231	52.869	ug/l	100
5) Bromomethane	2.53	94	109059	52.388	ug/l	98
6) Chloroethane	2.68	64	99508	52.078	ug/l	100
7) Trichlorofluoromethane	3.00	101	214692	51.031	ug/l	99
8) Diethyl Ether	3.40	74	88139	50.944	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	133514	52.243	ug/l	98
10) Methyl Iodide	3.94	142	195480	48.133	ug/l	99
11) Tert butyl alcohol	4.82	59	144886	276.667	ug/l	100
12) 1,1-Dichloroethene	3.72	96	132511	52.082	ug/l	97
13) Acrolein	3.60	56	45849	303.567	ug/l	98
14) Allyl chloride	4.31	41	211407	52.621	ug/l	98
15) Acrylonitrile	4.99	53	376889	295.647	ug/l	99
16) Acetone	3.82	43	326248	226.678	ug/l	99
17) Carbon Disulfide	4.04	76	298986	49.079	ug/l	99
18) Methyl Acetate	4.33	43	165936	58.796	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	433405	53.441	ug/l	100
20) Methylene Chloride	4.54	84	153827	51.877	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	141553	51.925	ug/l	97
22) Diisopropyl ether	5.96	45	442588	53.292	ug/l	98
23) Vinyl Acetate	5.90	43	1843002	281.799	ug/l	100
24) 1,1-Dichloroethane	5.84	63	252450	52.697	ug/l	100
25) 2-Butanone	6.84	43	504191	277.264	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171703	45.932	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	168125	52.466	ug/l	97
28) Bromochloromethane	7.19	49	121843	53.783	ug/l	99
29) Tetrahydrofuran	7.22	42	329763	293.368	ug/l	99
30) Chloroform	7.37	83	255327	52.982	ug/l	100
31) Cyclohexane	7.65	56	232793	48.751	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	211720	52.610	ug/l	99
36) 1,1-Dichloropropene	7.79	75	188939	48.388	ug/l	99
37) Ethyl Acetate	6.93	43	198831	57.230	ug/l	100
38) Carbon Tetrachloride	7.77	117	176430	49.009	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233315	47.966	ug/l	99
40) Benzene	8.04	78	604380	50.962	ug/l	99
41) Methacrylonitrile	7.17	41	93776	58.666	ug/l	97
42) 1,2-Dichloroethane	8.12	62	188943	49.529	ug/l	100
43) Isopropyl Acetate	8.17	43	304419	54.072	ug/l	99
44) Trichloroethene	8.83	130	168757	49.521	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157717	51.920	ug/l	100
46) Dibromomethane	9.21	93	102696	51.699	ug/l	99
47) Bromodichloromethane	9.40	83	188237	52.285	ug/l	97
48) Methyl methacrylate	9.20	41	151872	55.140	ug/l	97
49) 1,4-Dioxane	9.20	88	66238	1113.951	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	980666	278.546	ug/l	99
52) Toluene	10.15	92	379307	51.399	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196732	46.770	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	230254	53.207	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	152425	52.143	ug/l	98
56) Ethyl methacrylate	10.43	69	232787	54.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249343	52.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	401937	238.442	ug/l	100
59) 2-Hexanone	10.75	43	691386	270.952	ug/l	99
60) Dibromochloromethane	10.90	129	153218	47.645	ug/l	100
61) 1,2-Dibromoethane	11.00	107	159771	53.464	ug/l	99
64) Tetrachloroethene	10.63	164	170905	48.335	ug/l	97
65) Chlorobenzene	11.43	112	410930	50.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147539	52.561	ug/l	100
67) Ethyl Benzene	11.51	91	706231	49.960	ug/l	98
68) m/p-Xylenes	11.62	106	543162	100.584	ug/l	99
69) o-Xylene	11.95	106	266654	50.200	ug/l	99
70) Styrene	11.96	104	445921	52.836	ug/l	100
71) Bromoform	12.13	173	109663	46.723	ug/l #	99
73) Isopropylbenzene	12.25	105	700139	54.110	ug/l	100
74) N-amyl acetate	12.07	43	251708	51.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	214801	50.786	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176669m	52.698	ug/l	
77) Bromobenzene	12.53	156	188099	48.221	ug/l	98
78) n-propylbenzene	12.59	91	753682	48.897	ug/l	100
79) 2-Chlorotoluene	12.67	91	460778	54.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	578993	47.265	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51104	50.764	ug/l	92
82) 4-Chlorotoluene	12.77	91	447059	49.576	ug/l	100
83) tert-Butylbenzene	12.99	119	506188	53.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	571450	49.192	ug/l	100
85) sec-Butylbenzene	13.17	105	657382	48.159	ug/l	99
86) p-Isopropyltoluene	13.29	119	598817	49.017	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301084	49.871	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	289107	49.781	ug/l	99
89) n-Butylbenzene	13.61	91	453870	50.153	ug/l	100
90) Hexachloroethane	13.87	117	91396	49.609	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	299672	49.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33304	55.052	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146420	44.139	ug/l	100
94) Hexachlorobutadiene	15.01	225	106536	51.003	ug/l	99
95) Naphthalene	15.13	128	415476	47.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162384	47.593	ug/l	100

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

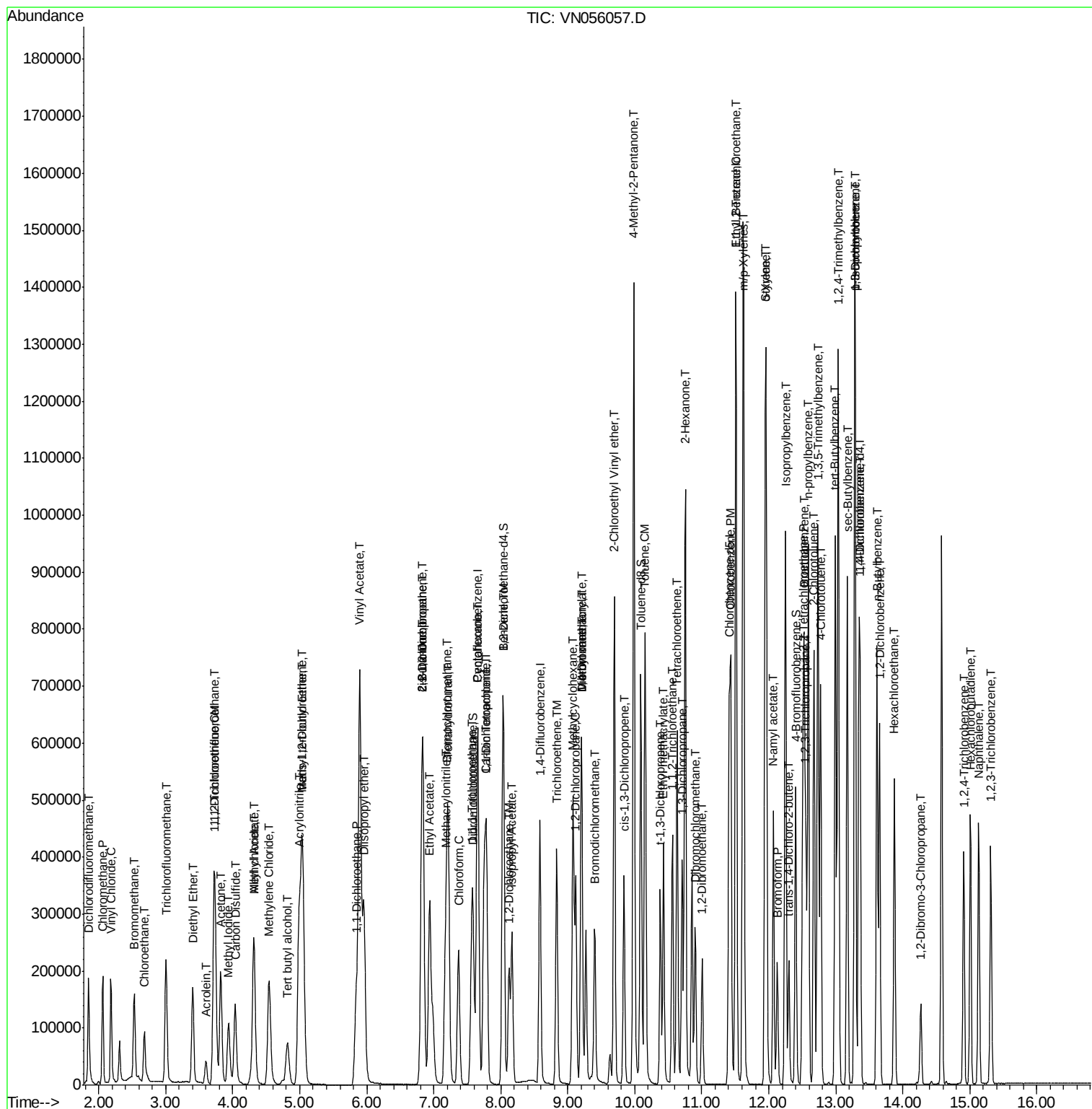
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 303077

Ion Ratio Lower Upper

168 100

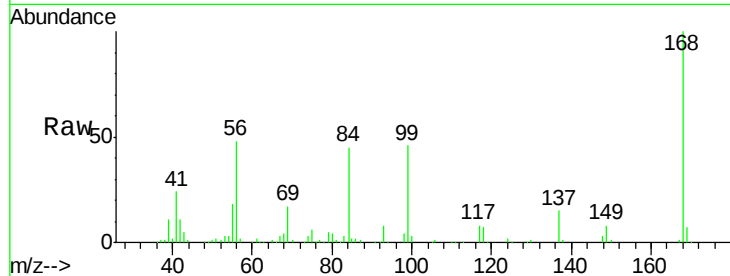
99 45.3 37.2 55.8

Manual Integrations

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6/7/2019 9:37:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

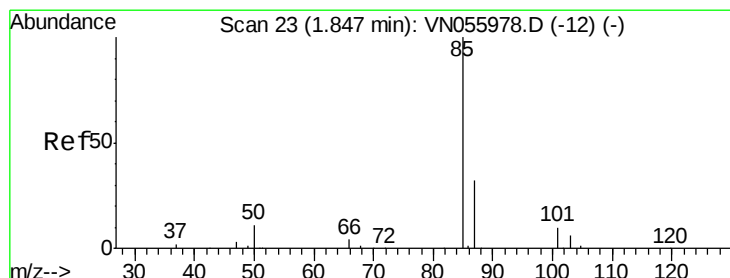
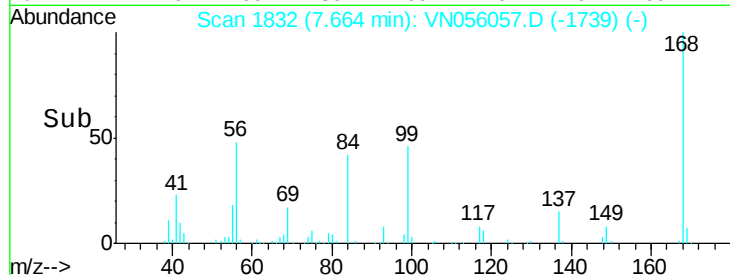
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.248 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056057.D

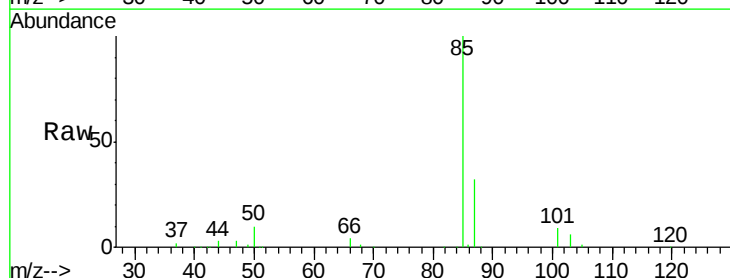
Acq: 6 Jun 2019 19:57

Tgt Ion: 85 Resp: 167311

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

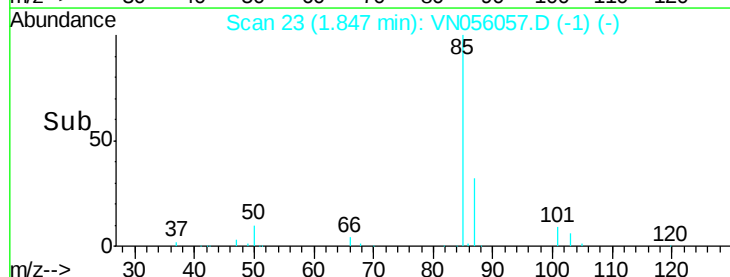
60000

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20000

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Time-->





#3

Chloromethane

Concen: 53.527 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 175857

Ion Ratio Lower Upper

50 100

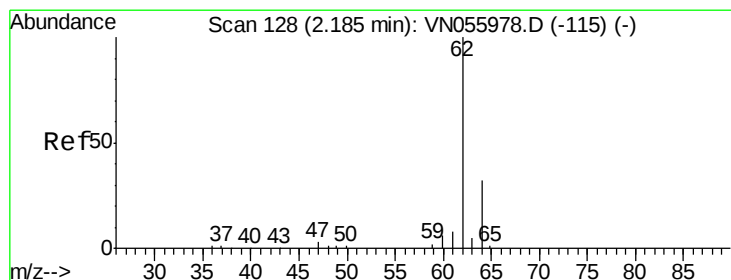
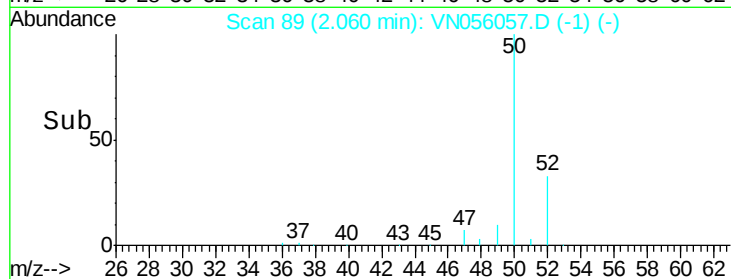
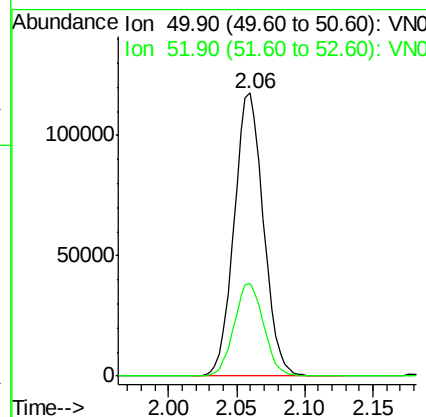
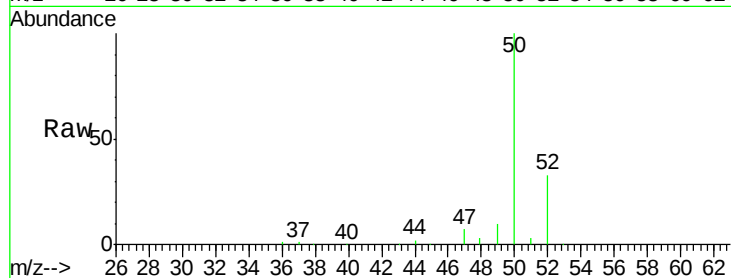
52 32.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.869 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056057.D

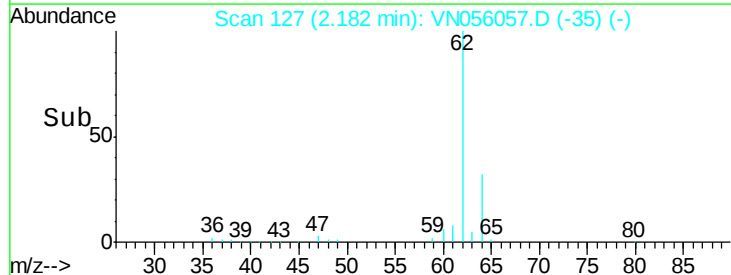
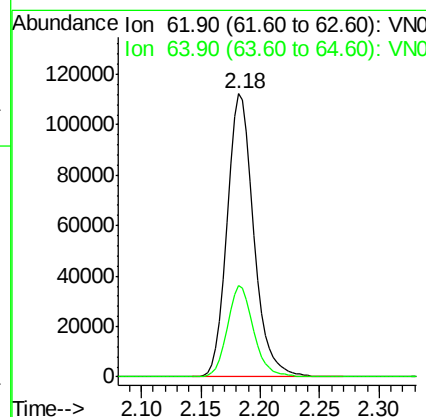
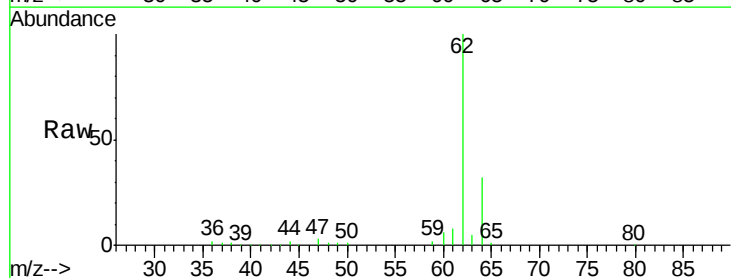
Acq: 6 Jun 2019 19:57

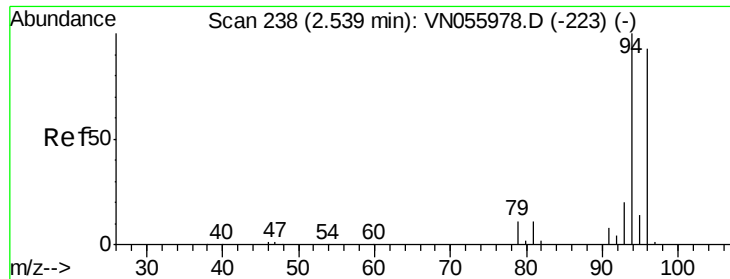
Tgt Ion: 62 Resp: 174231

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 52.388 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 109059

Ion Ratio Lower Upper

94 100

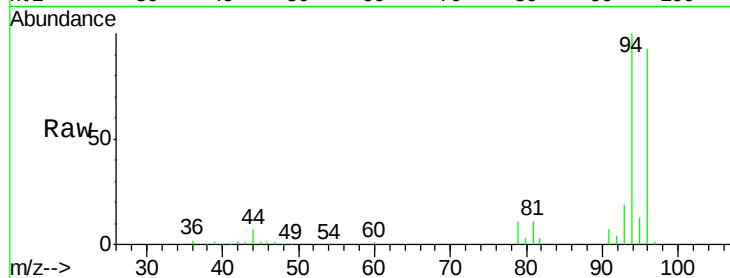
96 92.7 75.5 113.3

Manual Integrations

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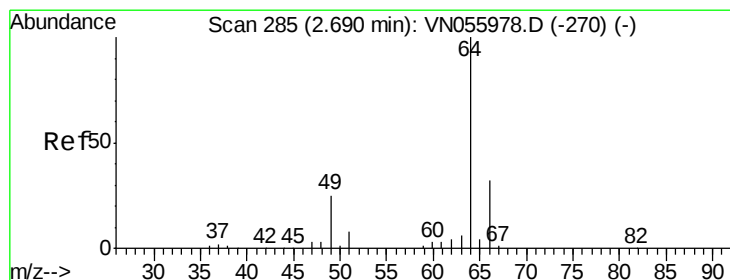
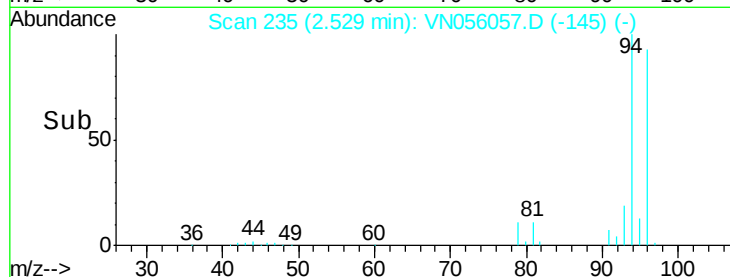
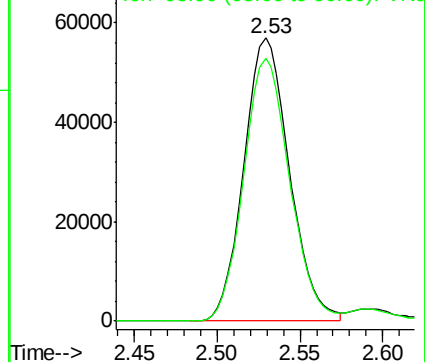
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.078 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056057.D

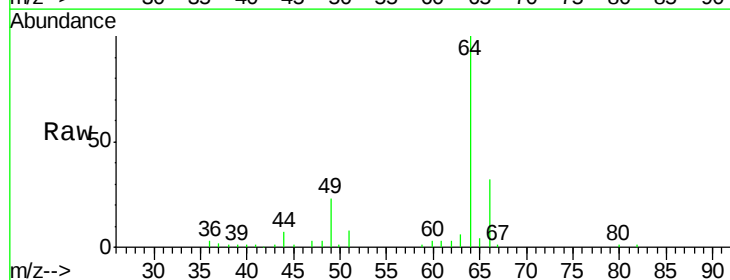
Acq: 6 Jun 2019 19:57

Tgt Ion: 64 Resp: 99508

Ion Ratio Lower Upper

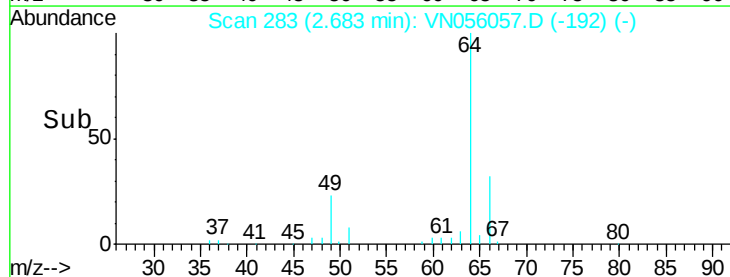
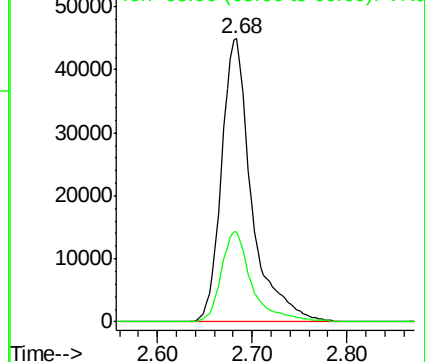
64 100

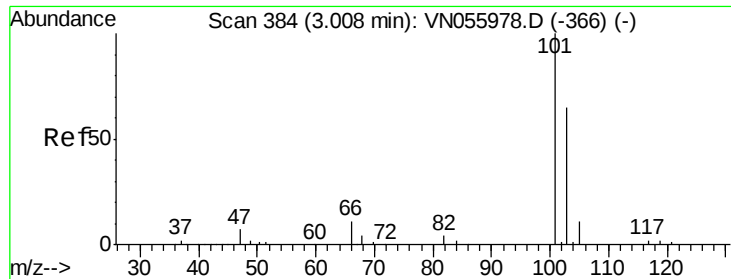
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

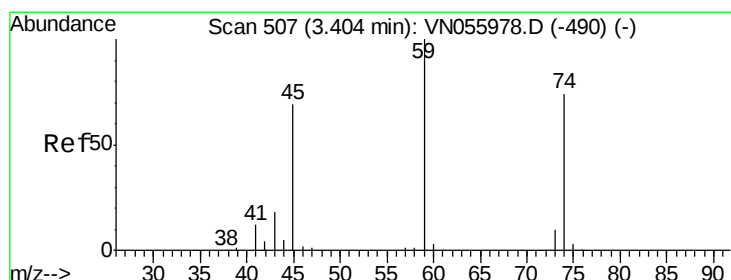
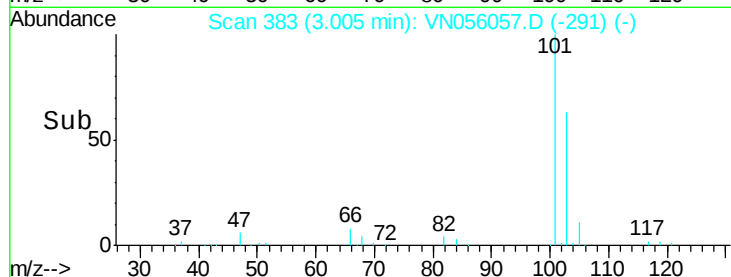
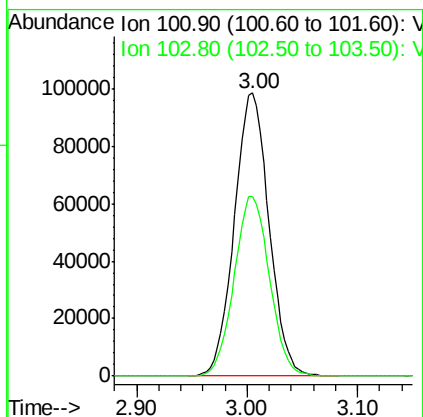
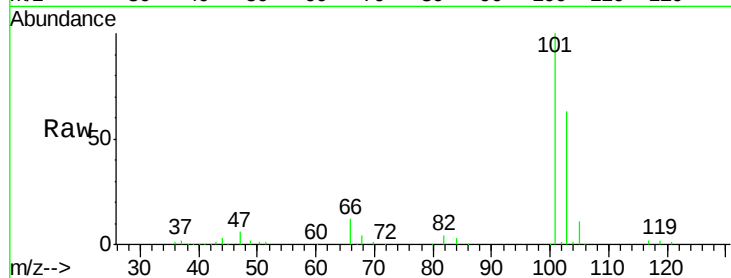
Trichlorofluoromethane
Concen: 51.031 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 214692
Ion Ratio Lower Upper
101 100
103 63.4 51.2 76.8

Manual Integrations
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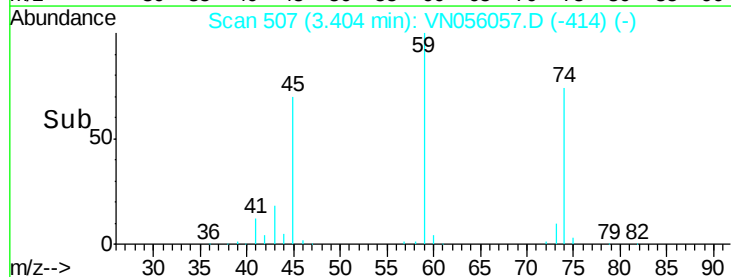
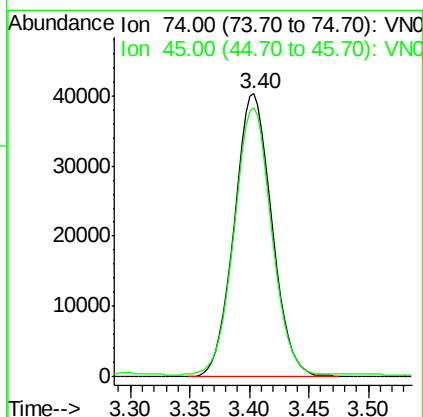
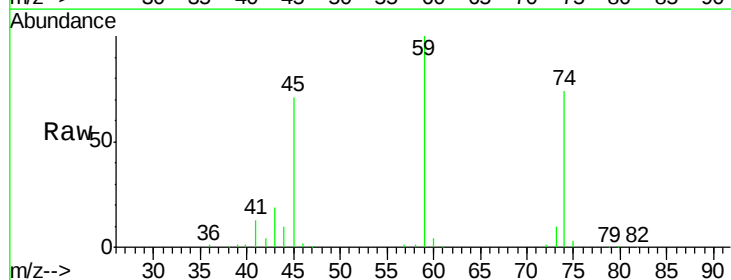
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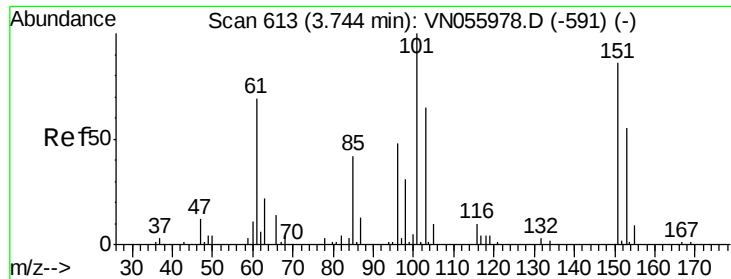


#8

Diethyl Ether
Concen: 50.944 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 74 Resp: 88139
Ion Ratio Lower Upper
74 100
45 93.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.243 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056057.D

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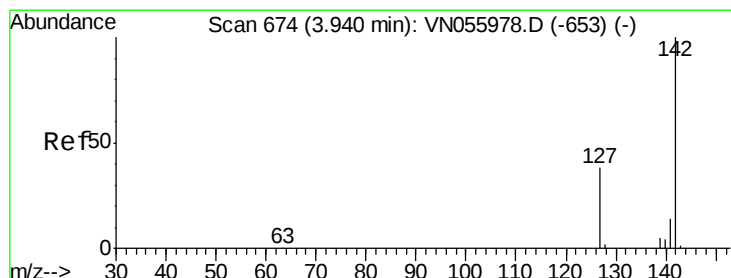
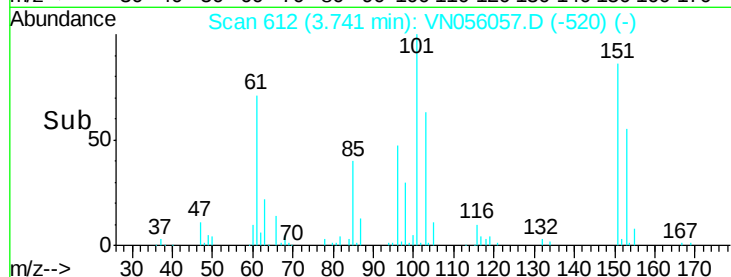
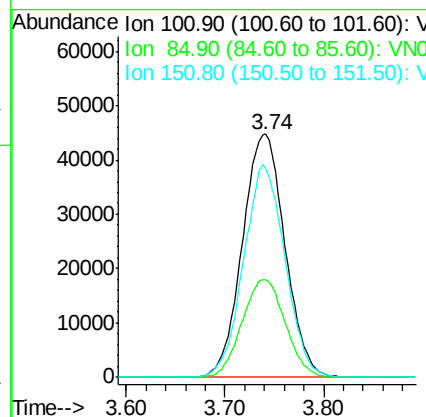
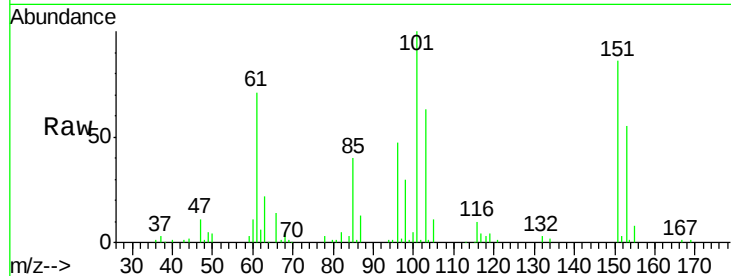
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	133514
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.2
151	85.1	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.133 ug/l

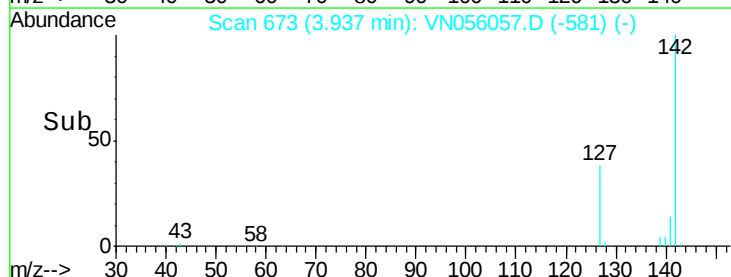
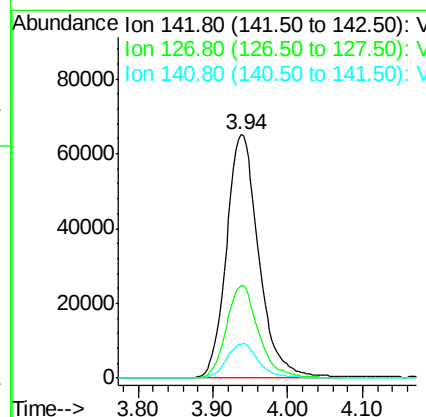
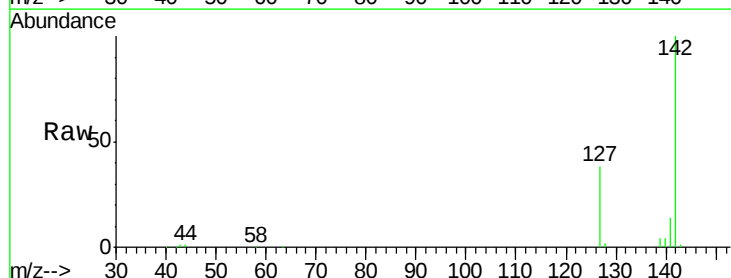
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	142	Resp:	195480
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	14.0	11.4	17.0





#11

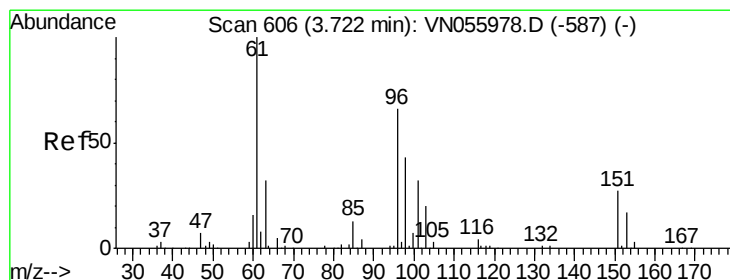
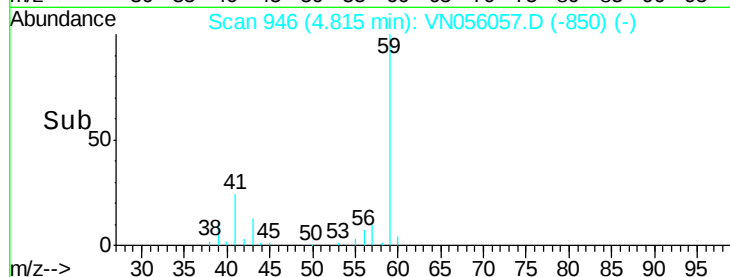
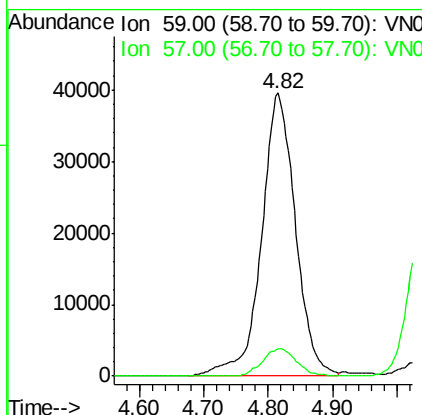
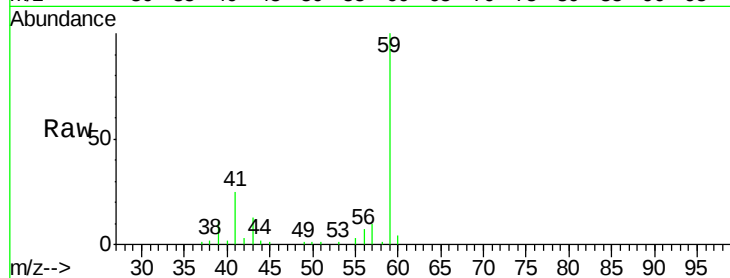
Tert butyl alcohol
 Concen: 276.667 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.6

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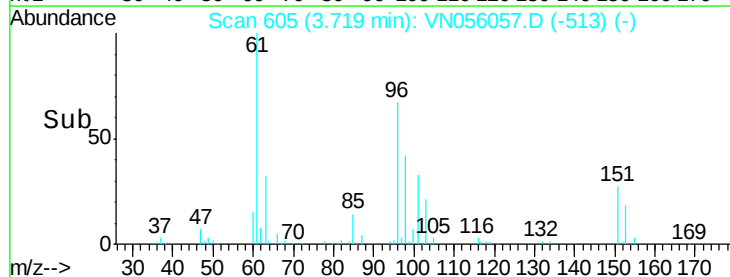
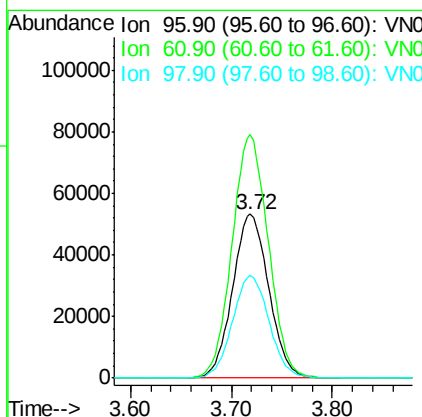
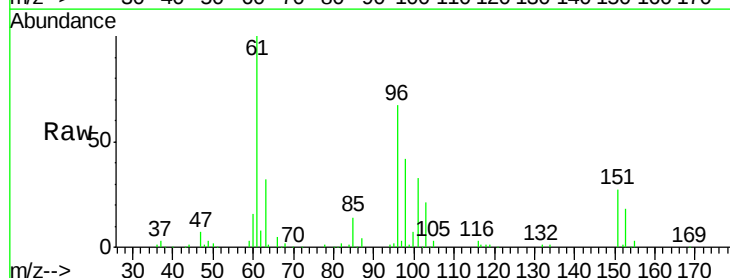
MMDadoda
 6/7/2019 9:37:10 AM

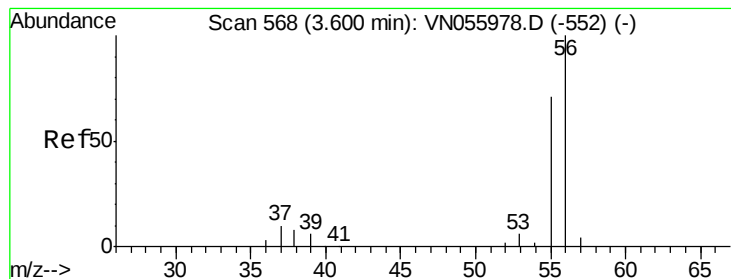


#12

1,1-Dichloroethene
 Concen: 52.082 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	123.2	184.8
98	62.5	50.4	75.6





#13

Acrolein

Concen: 303.567 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45849

Ion Ratio Lower Upper

56 100

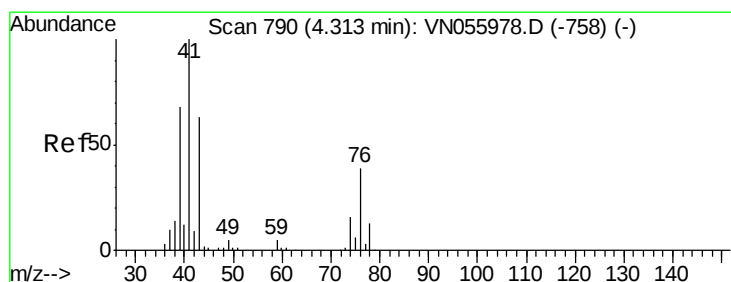
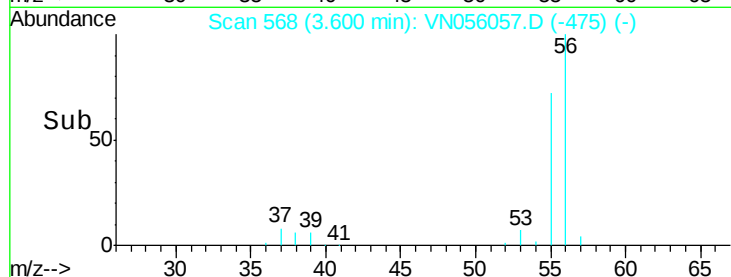
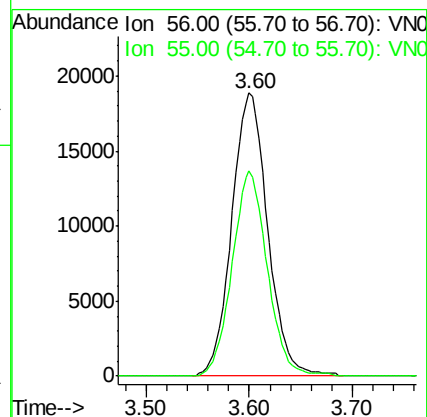
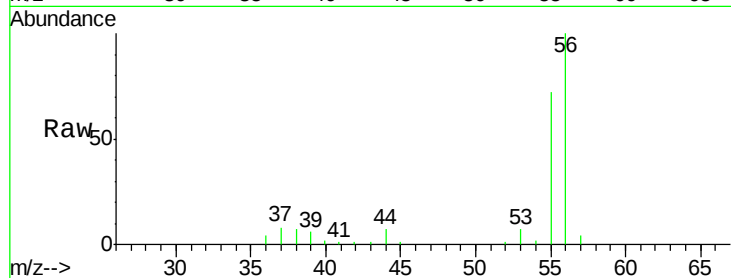
55 70.6 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 52.621 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

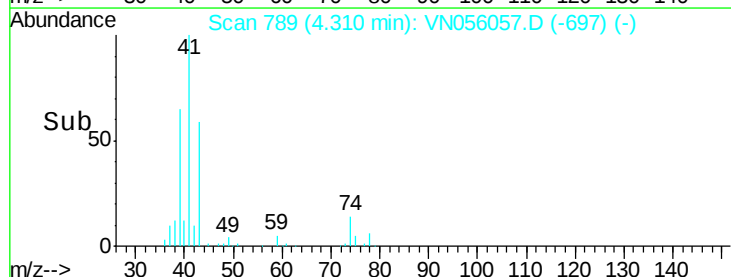
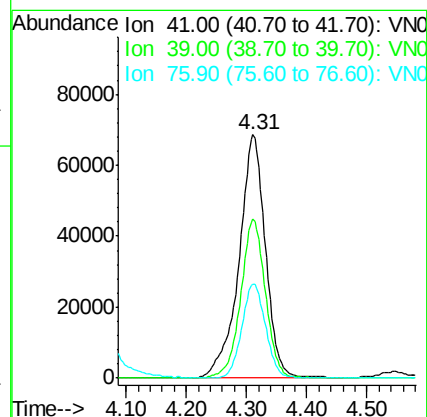
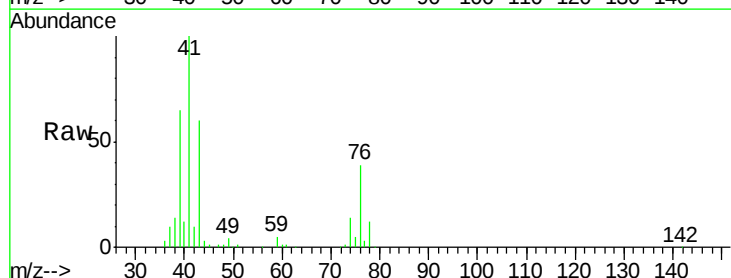
Tgt Ion: 41 Resp: 211407

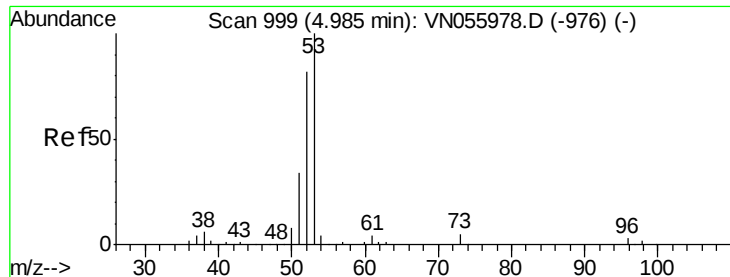
Ion Ratio Lower Upper

41 100

39 60.7 50.0 75.0

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 295.647 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

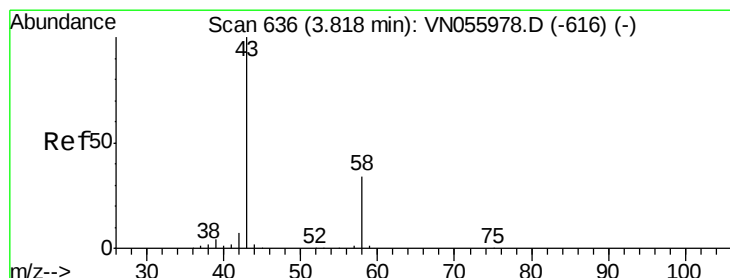
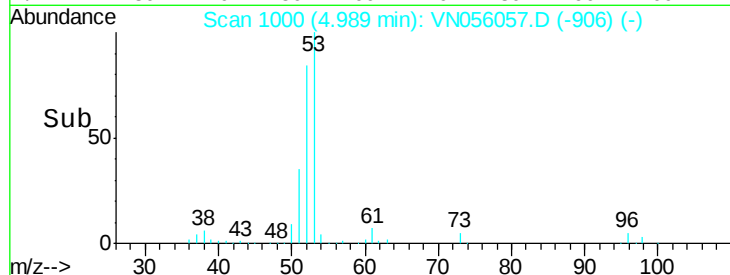
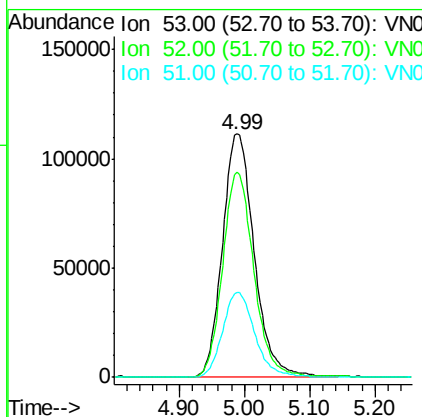
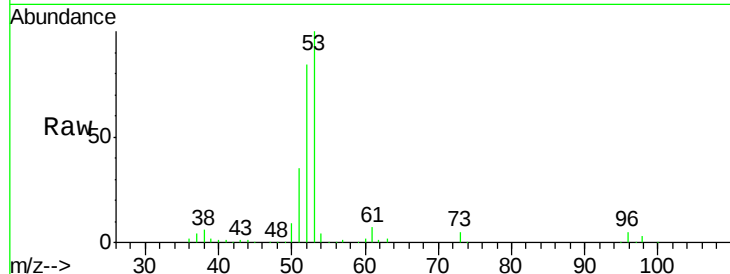
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	376889
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 226.678 ug/l

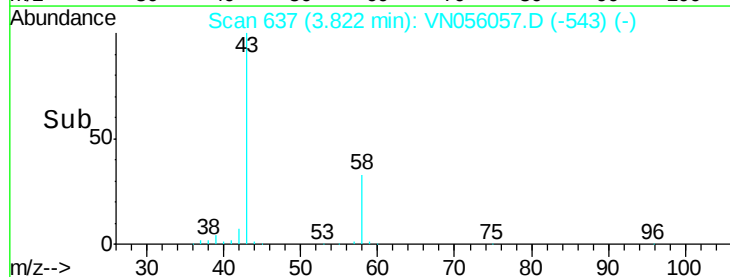
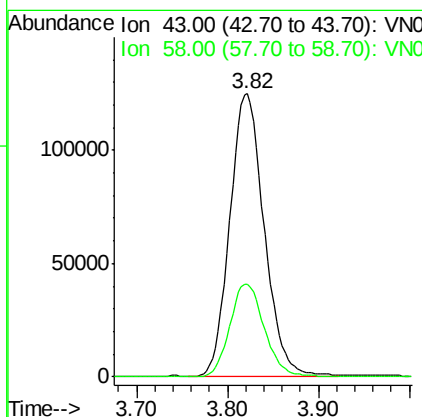
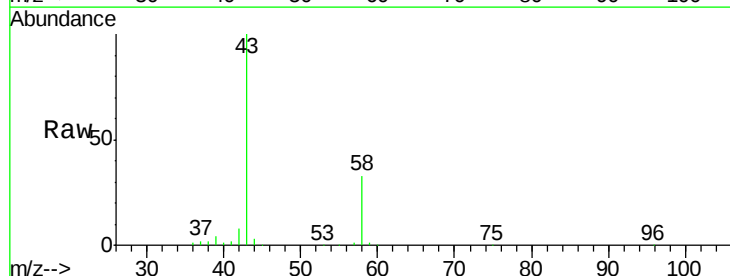
RT: 3.82 min Scan# 637

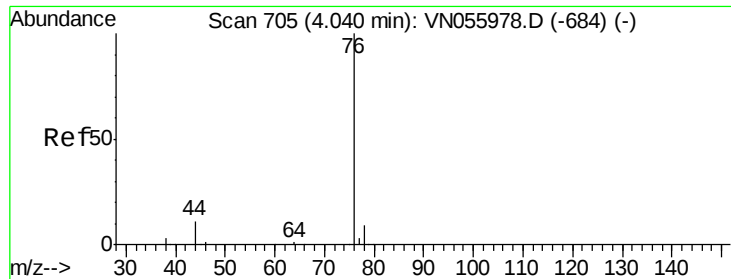
Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	43	Resp:	326248
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.6	39.8





#17

Carbon Disulfide

Concen: 49.079 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 298986

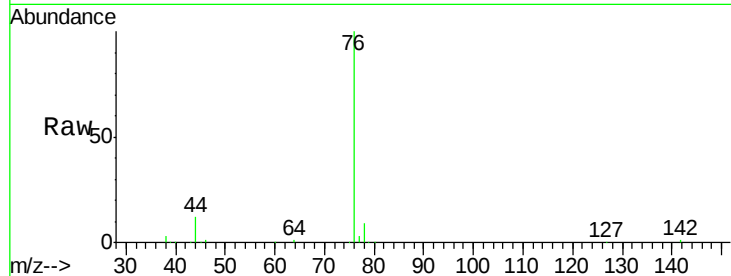
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

120000

100000

80000

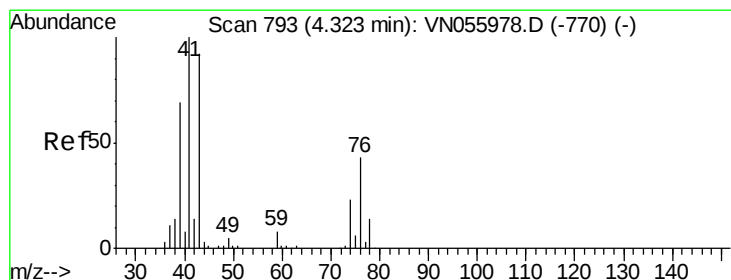
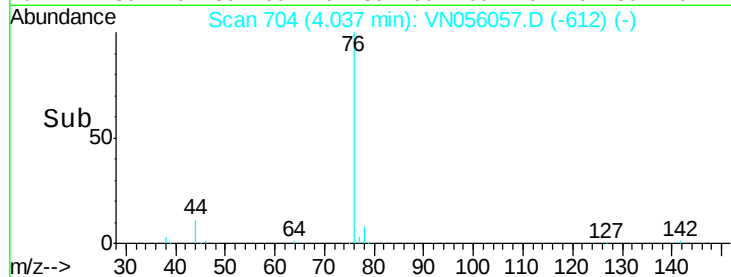
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 58.796 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056057.D

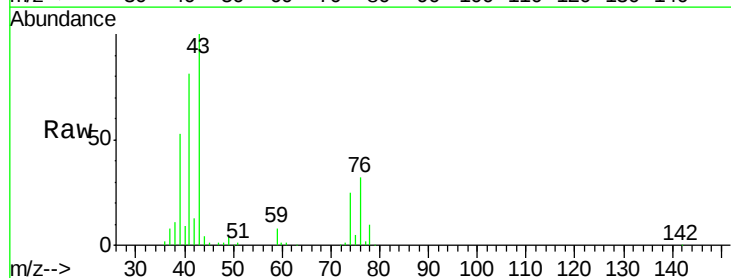
Acq: 6 Jun 2019 19:57

Tgt Ion: 43 Resp: 165936

Ion Ratio Lower Upper

43 100

74 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

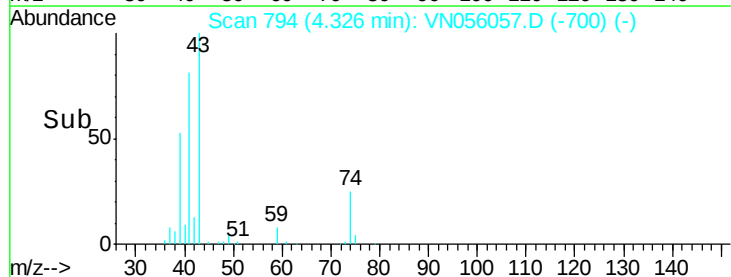
60000

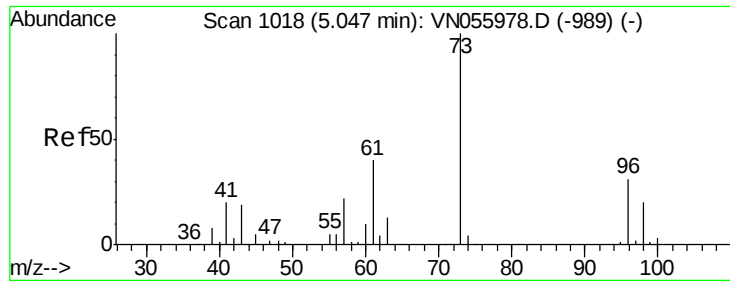
40000

20000

0

Time-->





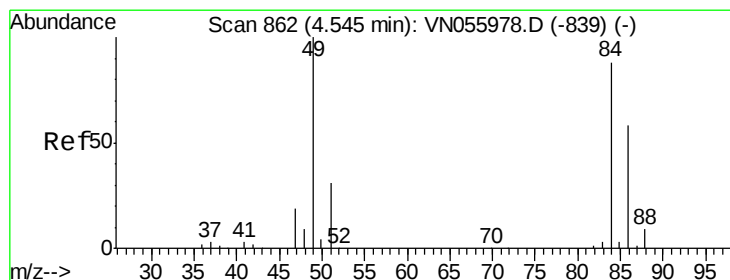
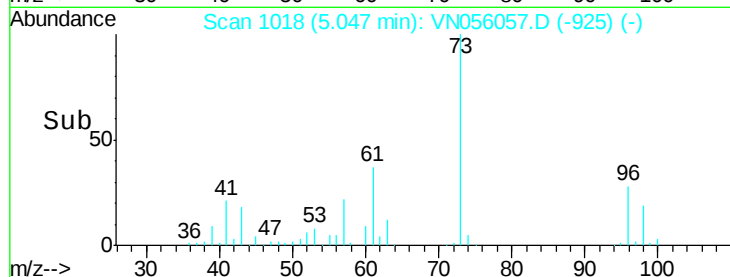
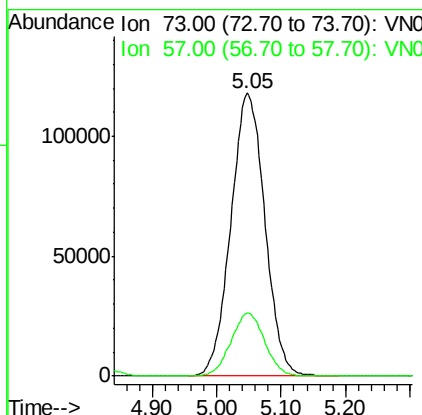
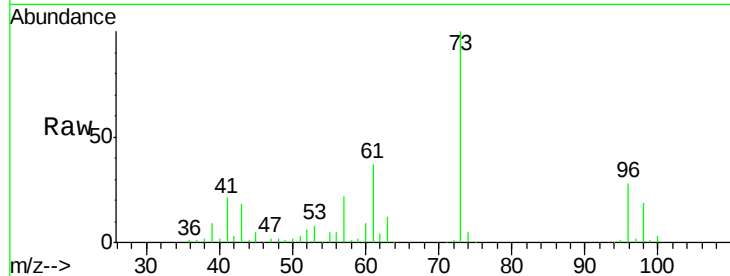
#19
Methvl tert-butvl Ether
Concen: 53.441 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 433405
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

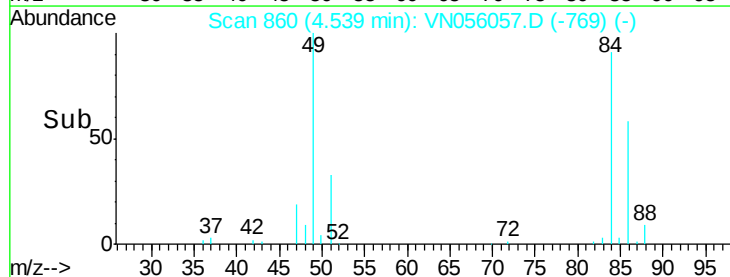
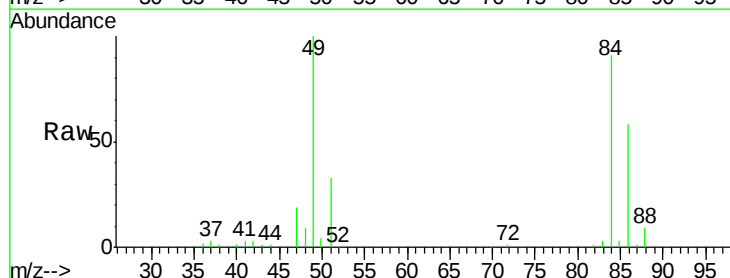
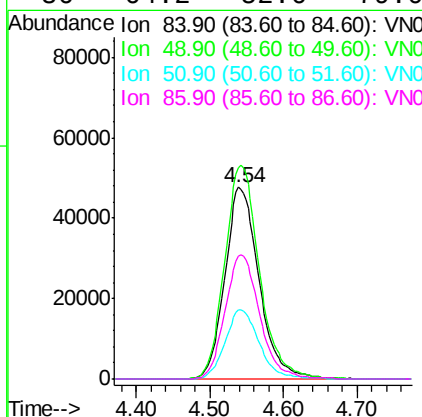
Manual Integrations
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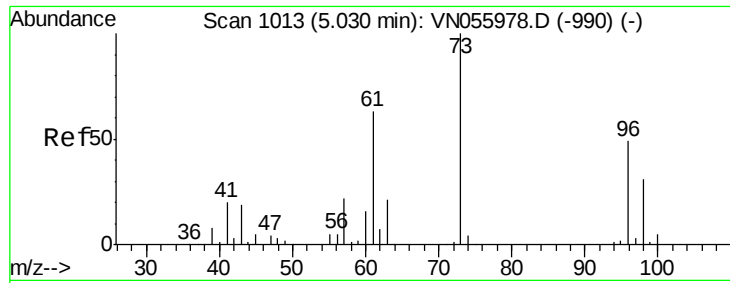
MMDadoda
6/7/2019 9:37:10 AM



#20
Methylene Chloride
Concen: 51.877 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 84 Resp: 153827
Ion Ratio Lower Upper
84 100
49 110.1 93.5 140.3
51 35.8 28.6 43.0
86 64.2 52.6 79.0





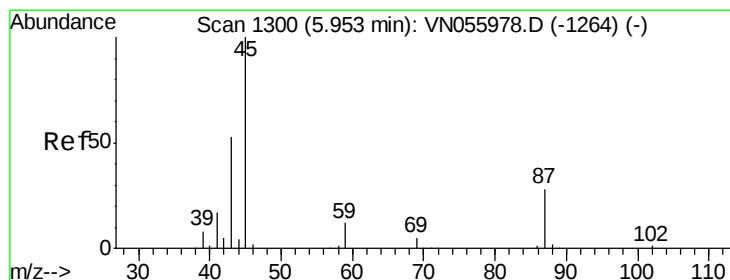
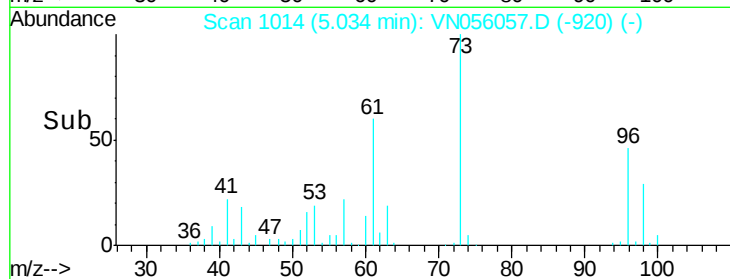
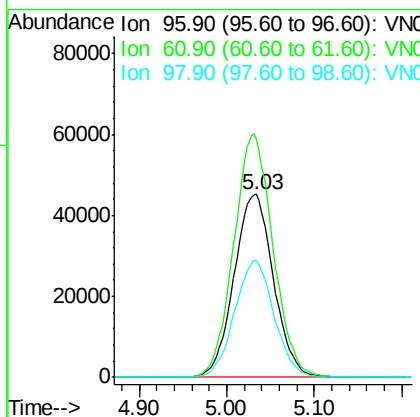
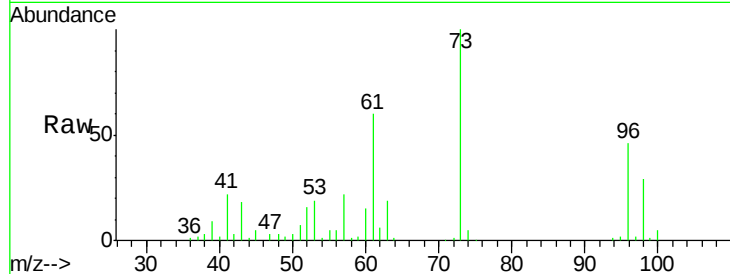
#21
trans-1,2-Dichloroethene
Concen: 51.925 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	107.8	161.8
98	63.8	49.8	74.8

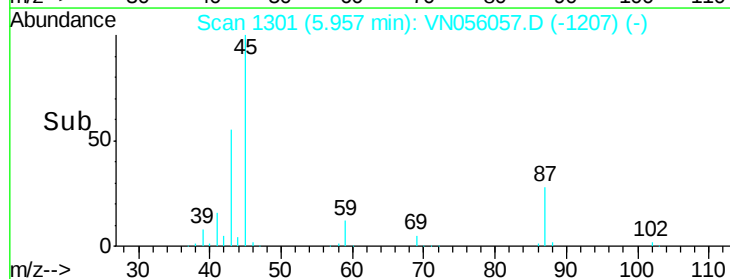
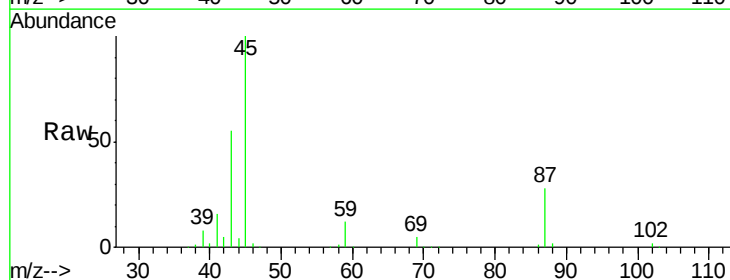
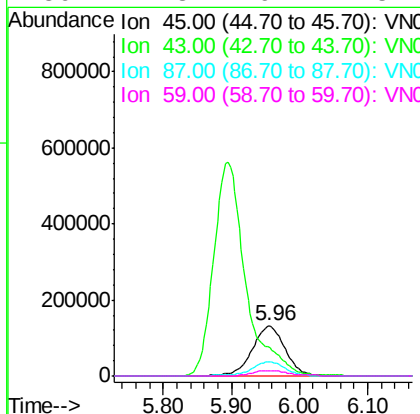
Manual Integrations
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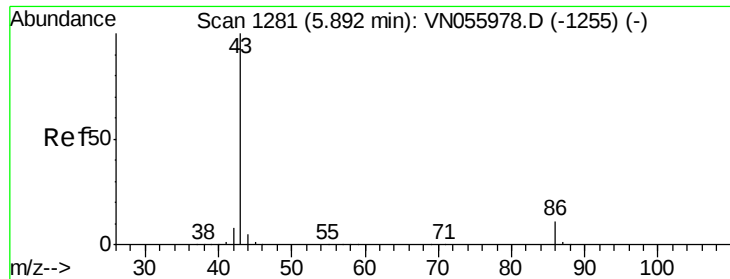
MMDadoda
6/7/2019 9:37:10 AM



#22
Diisopropyl ether
Concen: 53.292 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	45.0	67.6
87	28.3	22.2	33.4
59	11.3	9.1	13.7





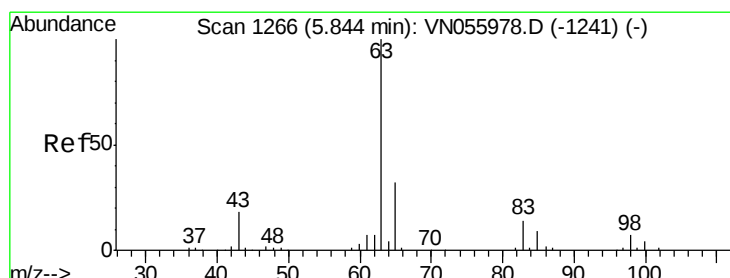
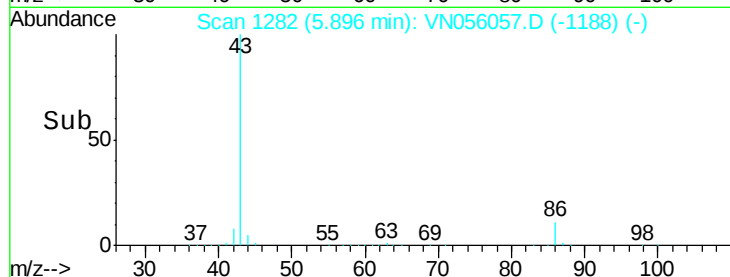
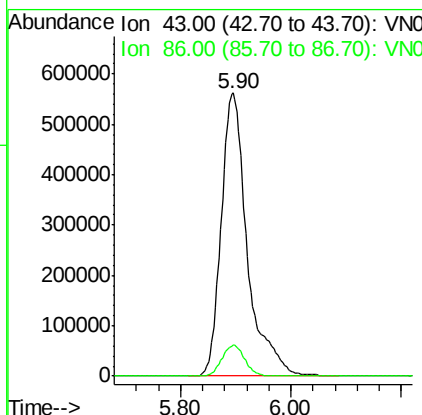
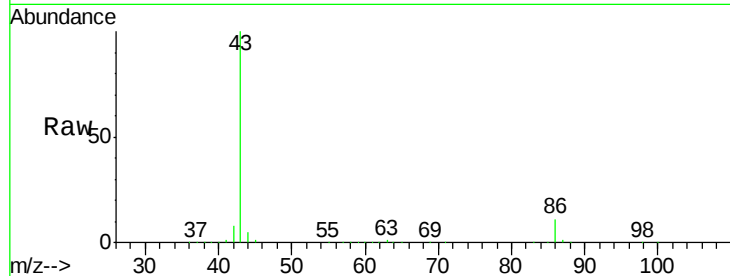
#23
 Vinyl Acetate
 Concen: 281.799 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1843002
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

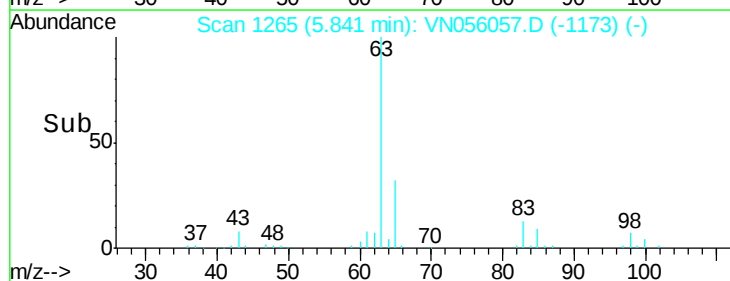
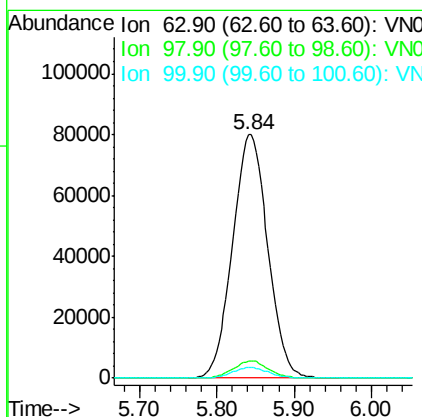
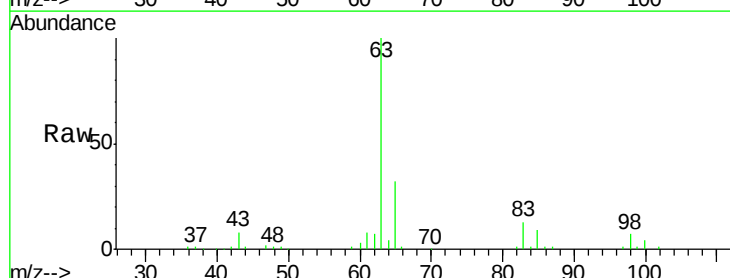
Manual Integrations
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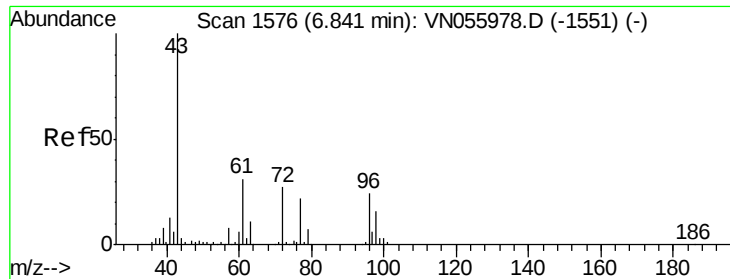
MMDadoda
 6/7/2019 9:37:10 AM



#24
 1,1-Dichloroethane
 Concen: 52.697 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 63 Resp: 252450
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 277.264 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 504191

Ion Ratio Lower Upper

43 100

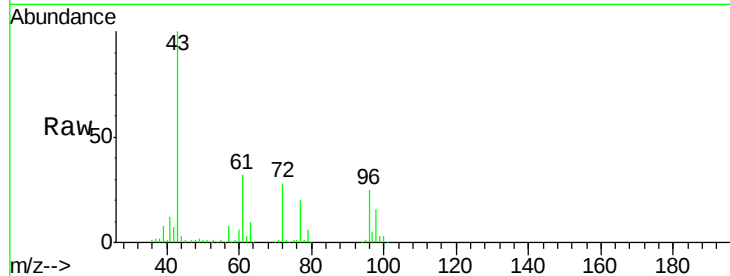
72 27.9 21.9 32.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

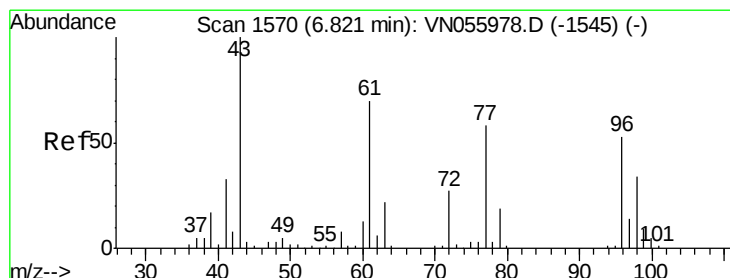
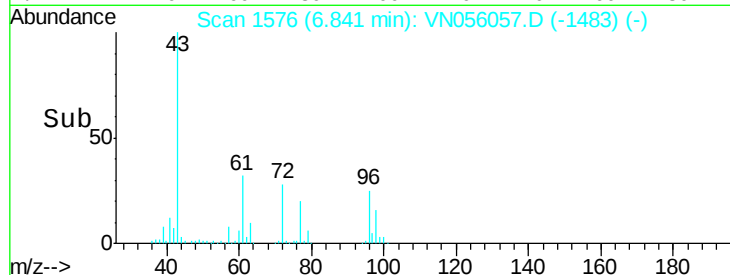
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 45.932 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056057.D

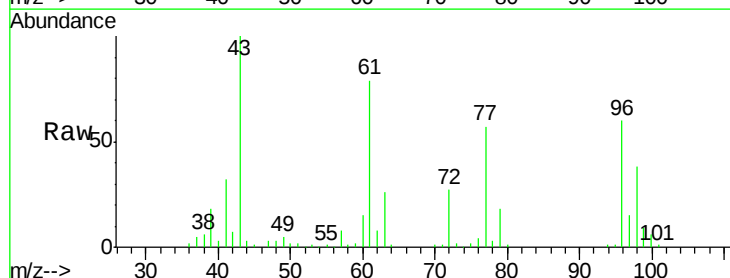
Acq: 6 Jun 2019 19:57

Tgt Ion: 77 Resp: 171703

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

50000

40000

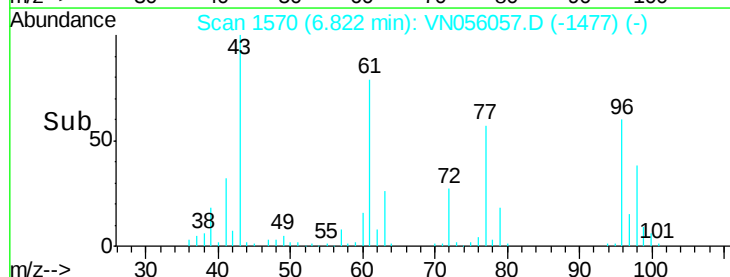
30000

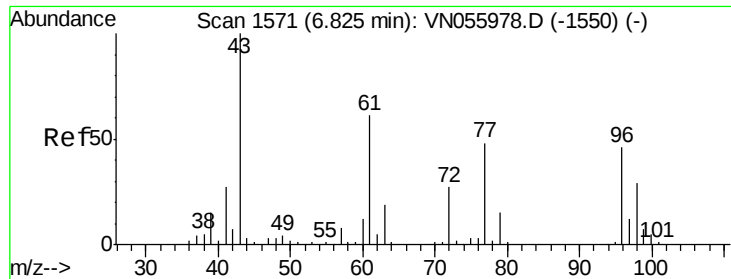
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 52.466 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

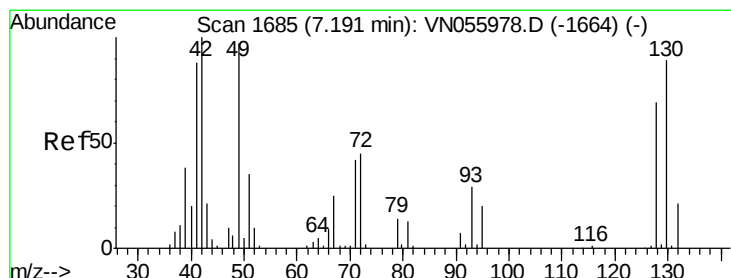
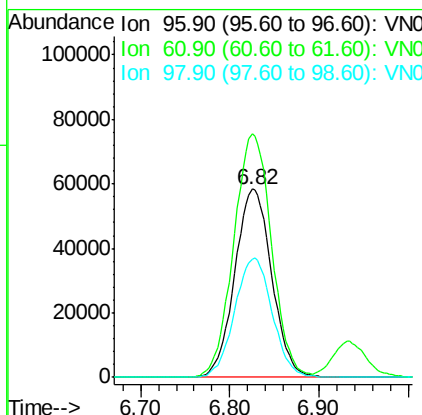
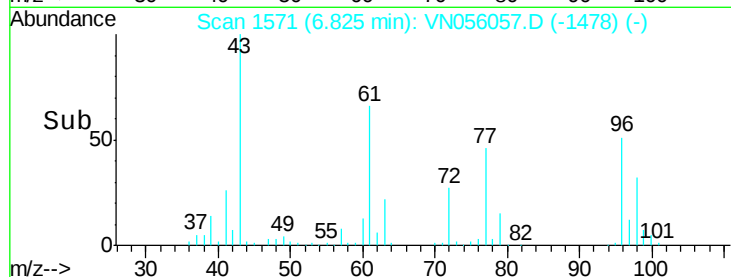
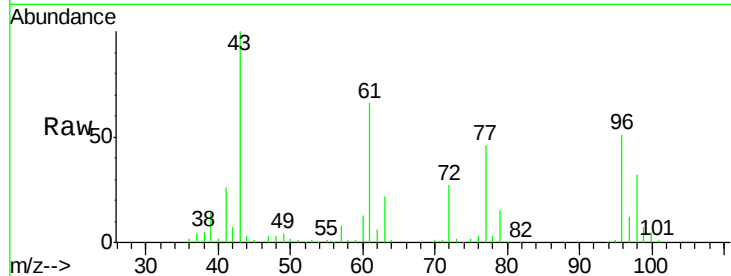
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	168125
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.8
98	64.4	0.0	128.4

Manual Integrations
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6/7/2019 9:37:10 AM



#28

Bromochloromethane

Concen: 53.783 ug/l

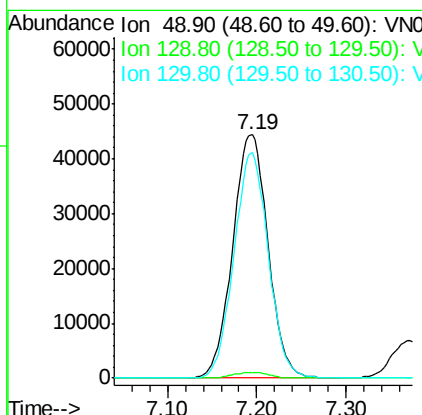
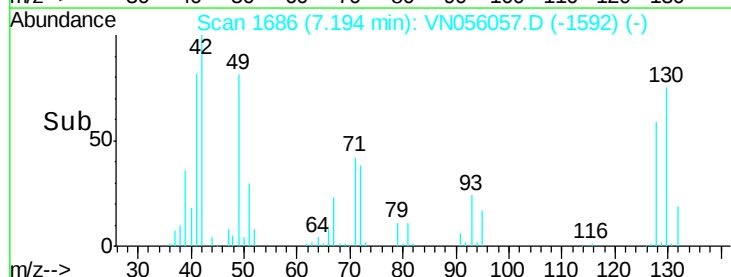
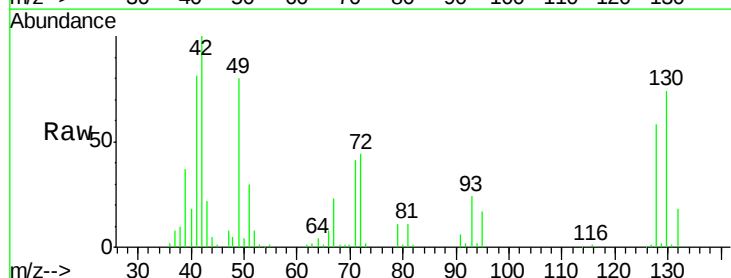
RT: 7.19 min Scan# 1686

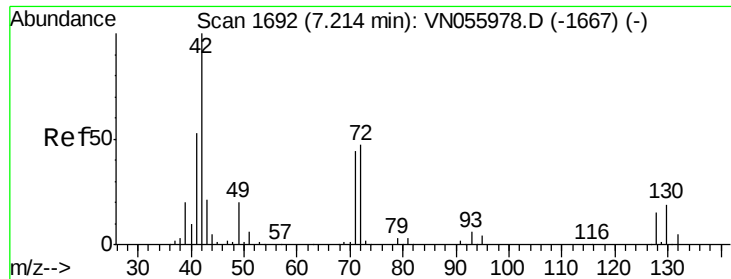
Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	49	Resp:	121843
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	90.1	71.2	106.8





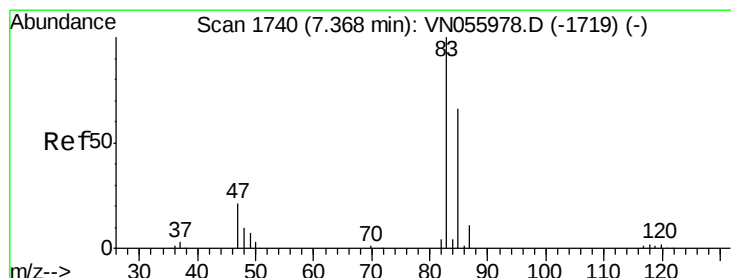
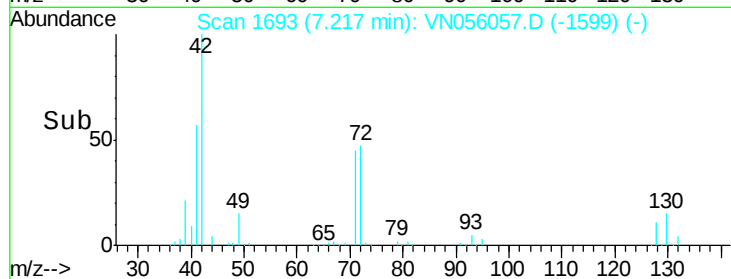
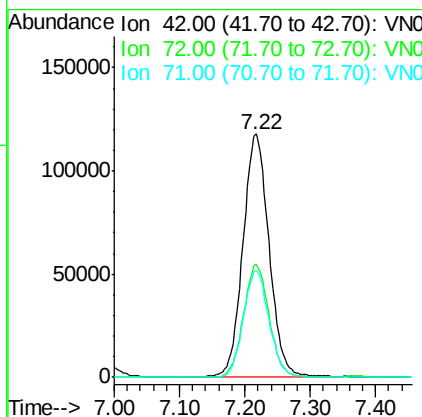
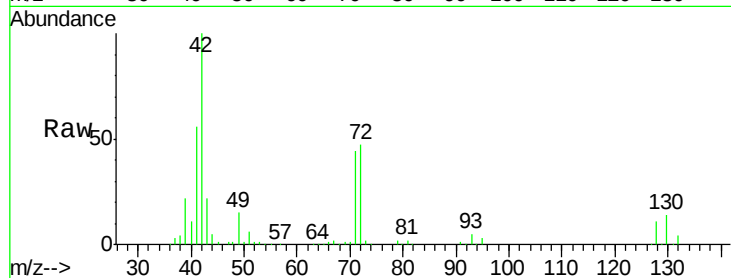
#29
Tetrahydrofuran
Concen: 293.368 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.1	34.0	51.0

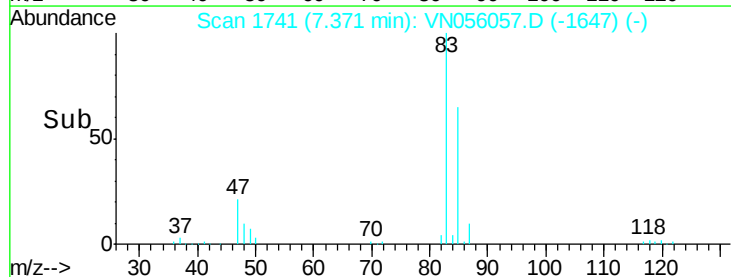
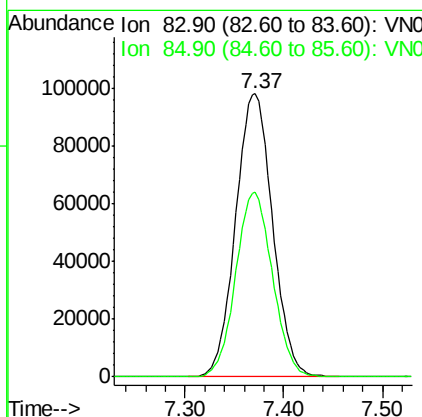
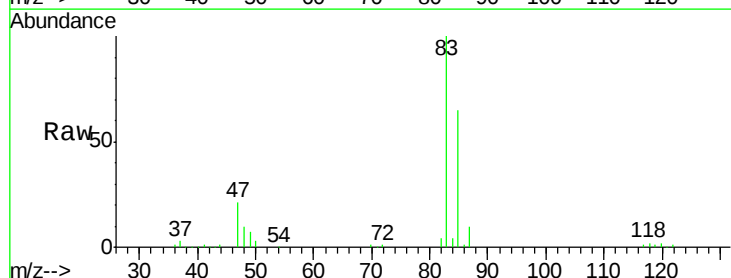
Manual Integrations
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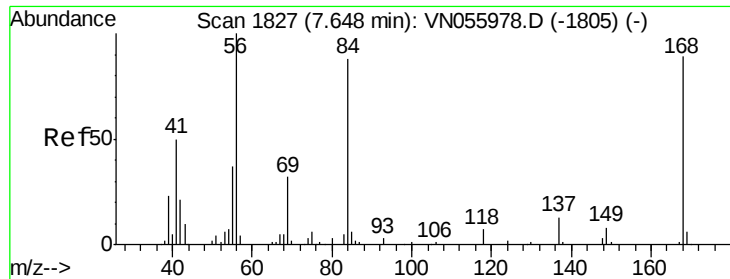
MMDadoda
6/7/2019 9:37:10 AM



#30
Chloroform
Concen: 52.982 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





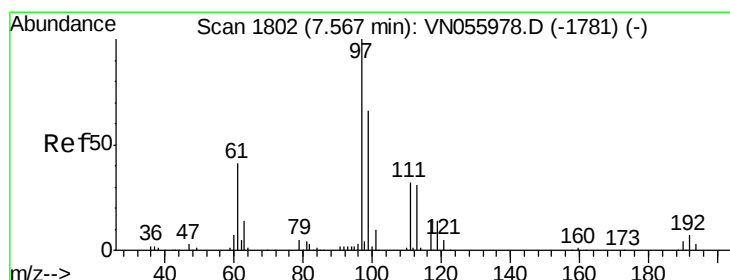
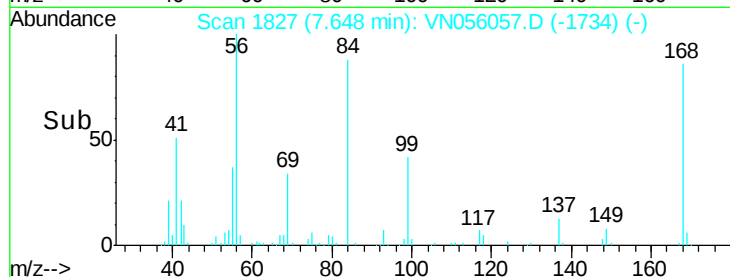
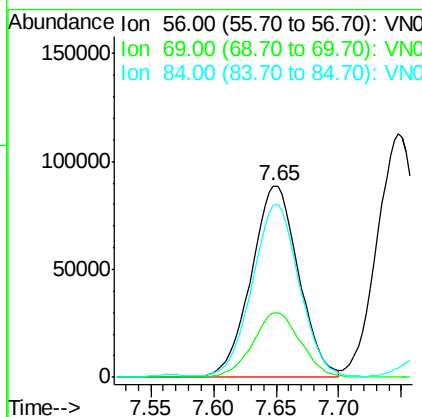
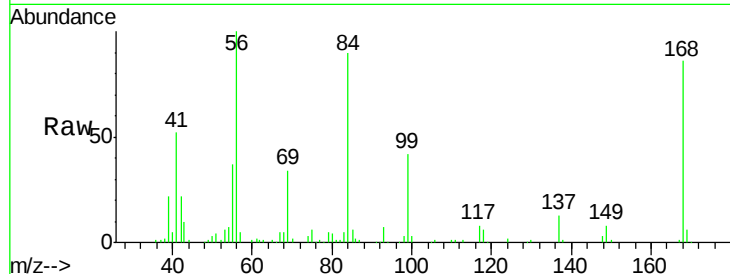
#31
Cyclohexane
Concen: 48.751 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.6	38.4
84	88.6	67.4	101.0

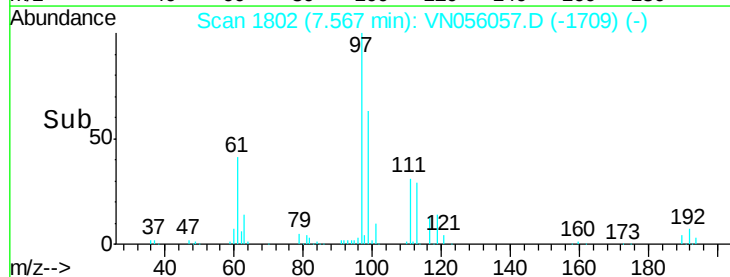
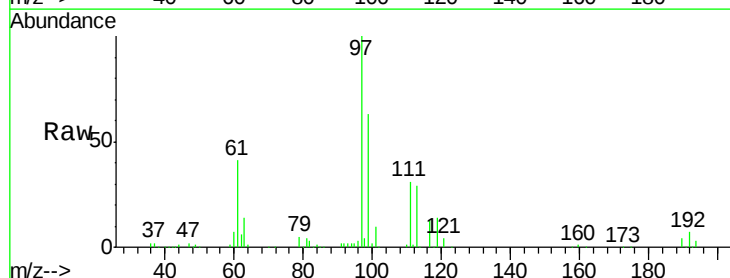
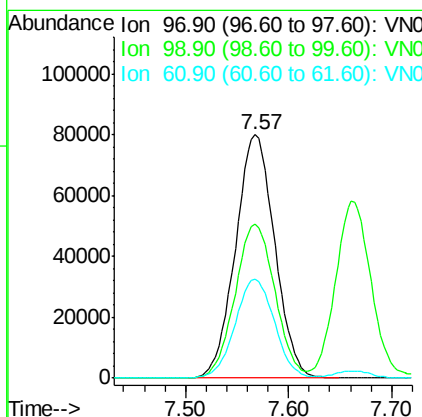
Manual Integrations
APPROVED

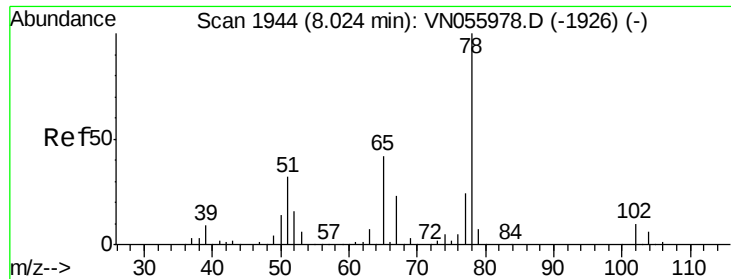
MMDadoda
6/7/2019 9:37:10 AM



#32
1,1,1-Trichloroethane
Concen: 52.610 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	40.9	32.9	49.3





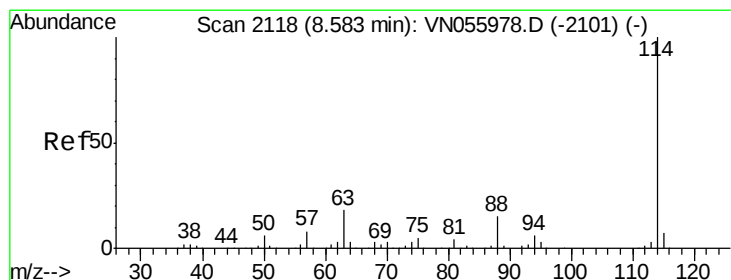
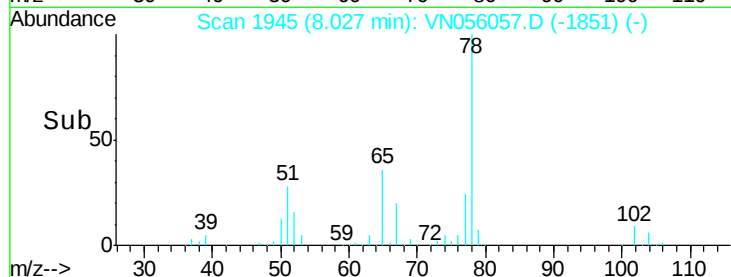
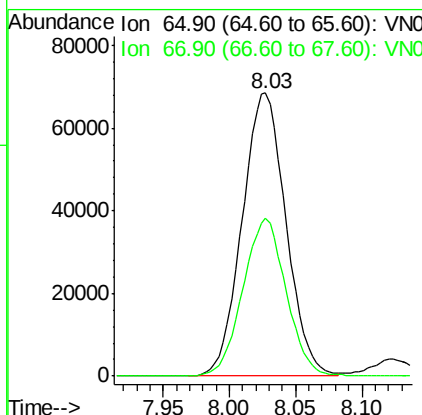
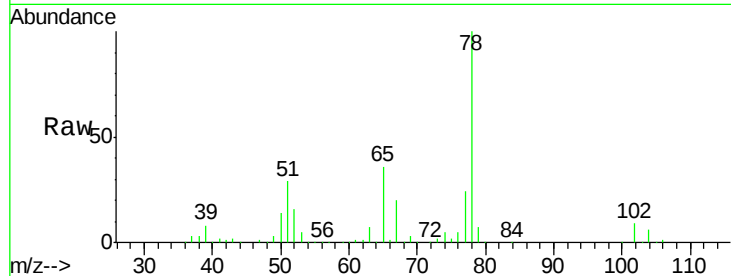
#33
 1,2-Dichloroethane-d4
 Concen: 52.161 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156968		
67	55.0	0.0	109.2	

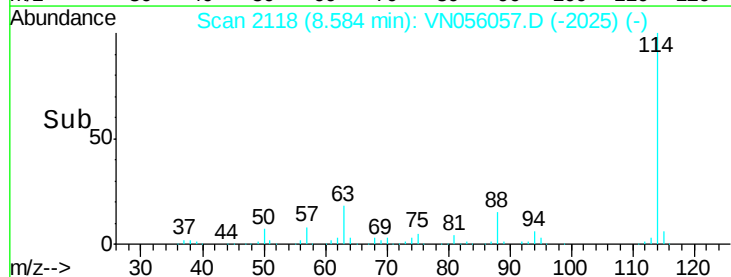
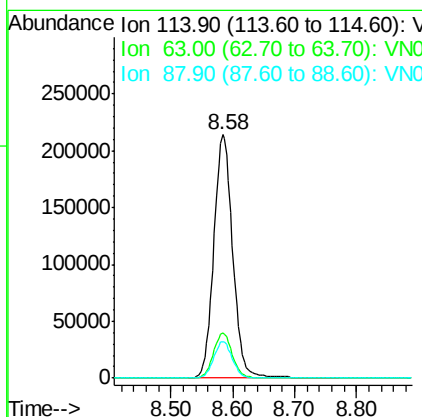
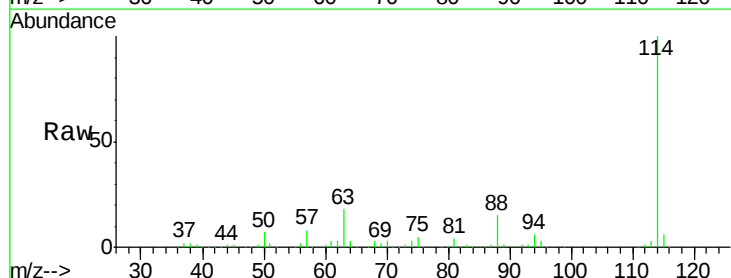
Manual Integrations
 APPROVED

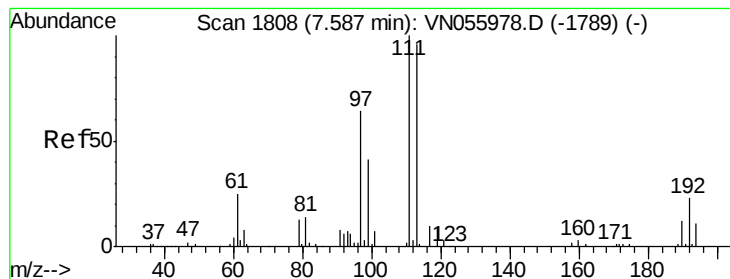
MMDadoda
 6/7/2019 9:37:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	454109		
63	18.4	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.768 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

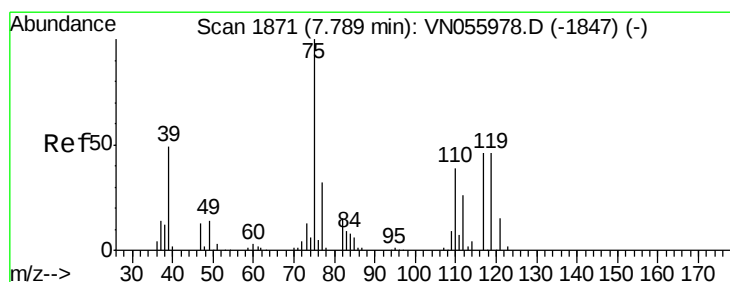
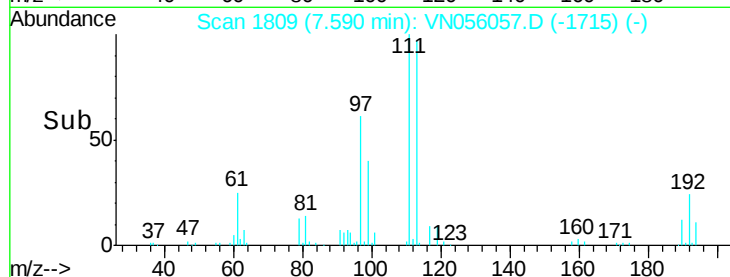
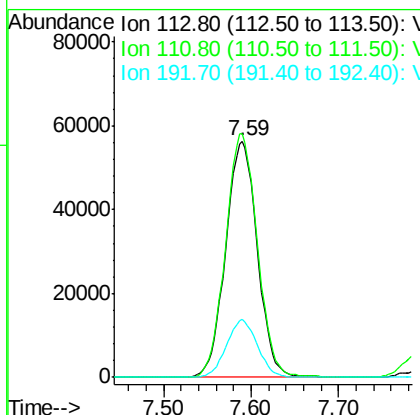
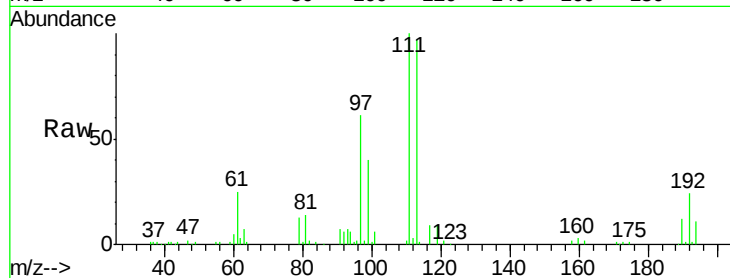
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	141444
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.9	122.9
192	23.8	19.5	29.3

Manual Integrations
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MMDadoda
6/7/2019 9:37:10 AM



#36

1,1-Dichloropropene

Concen: 48.388 ug/l

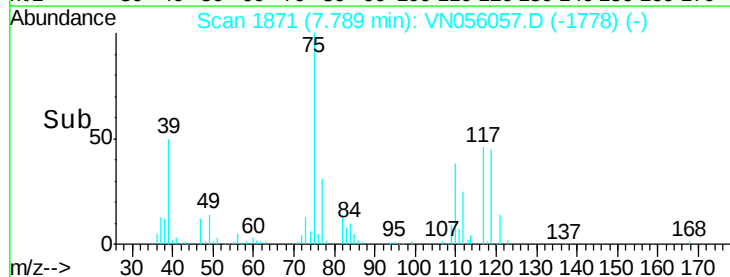
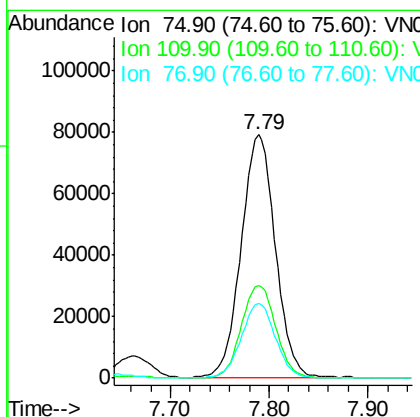
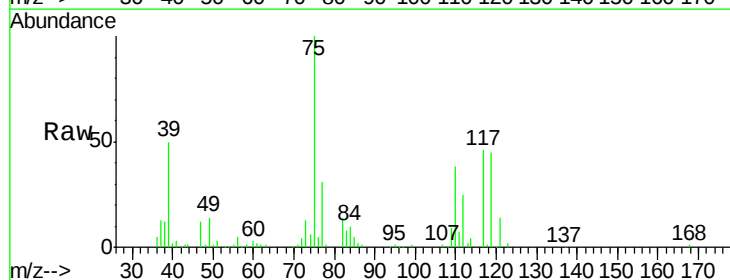
RT: 7.79 min Scan# 1871

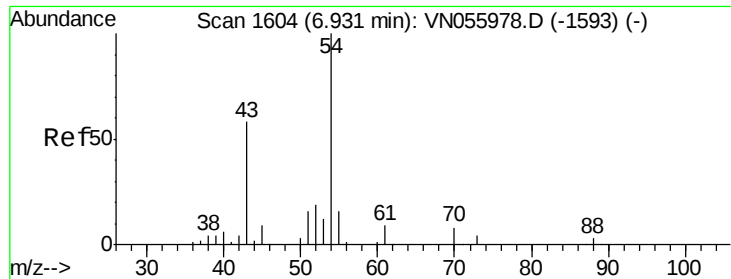
Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	75	Resp:	188939
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.0	57.0
77	31.2	25.1	37.7





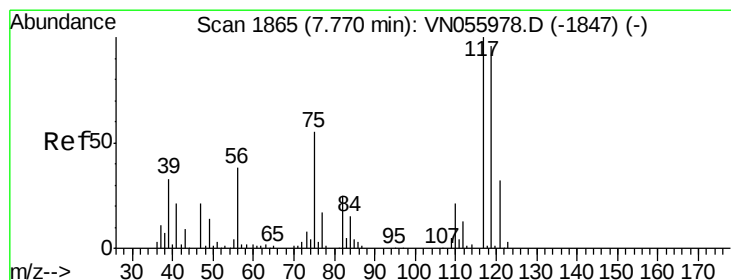
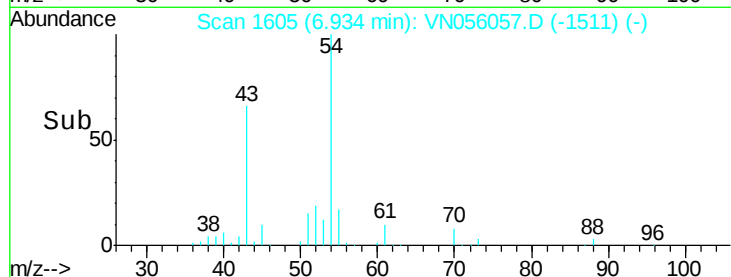
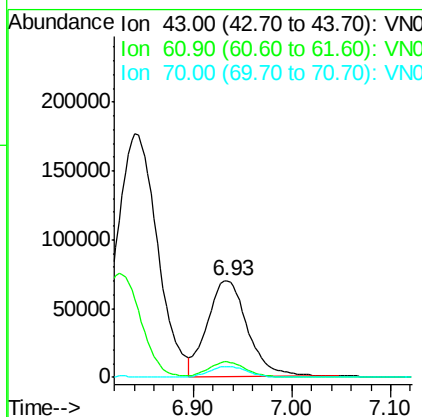
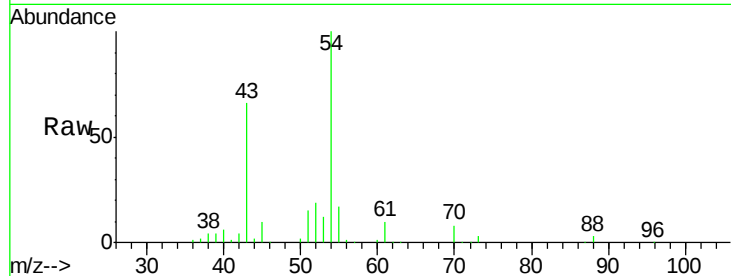
#37
Ethyl Acetate
Concen: 57.230 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.0	8.9	13.3

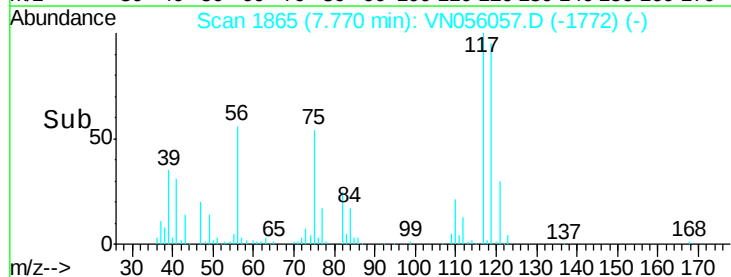
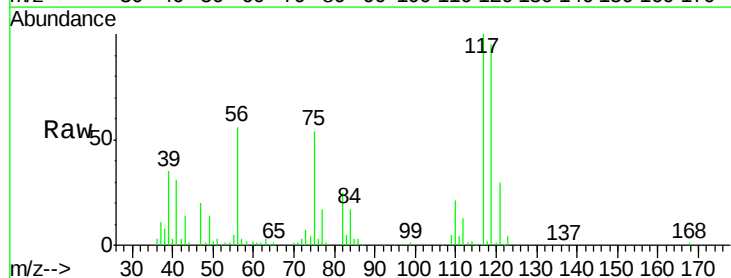
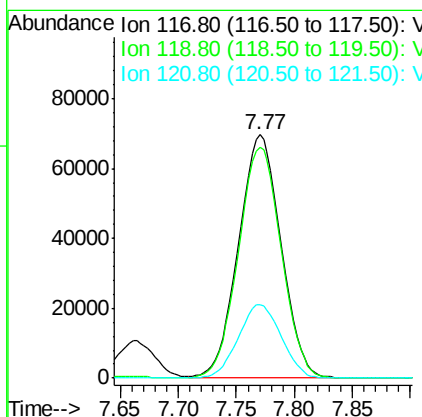
Manual Integrations
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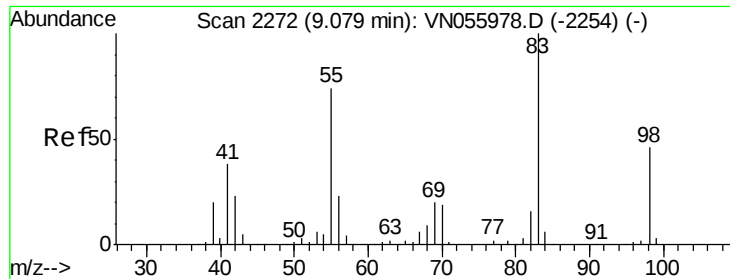
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.009 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.0	118.6
121	30.4	24.7	37.1





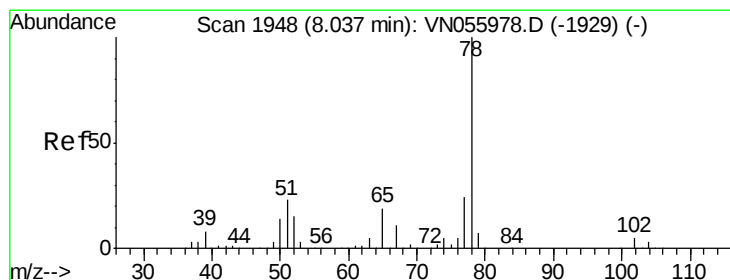
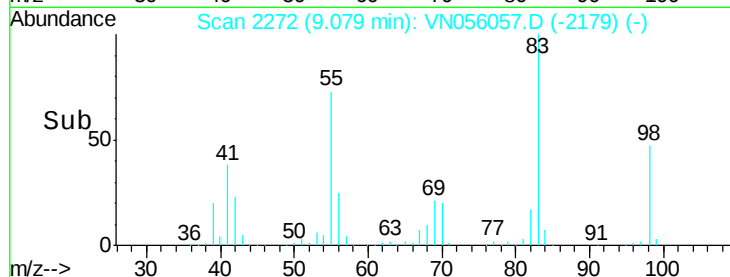
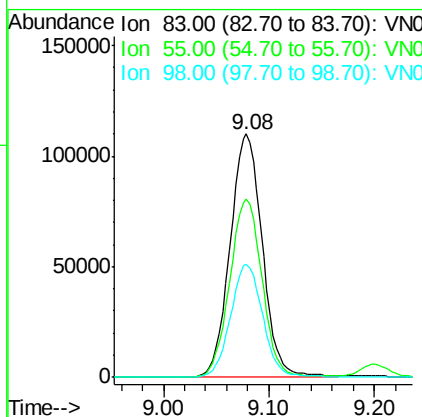
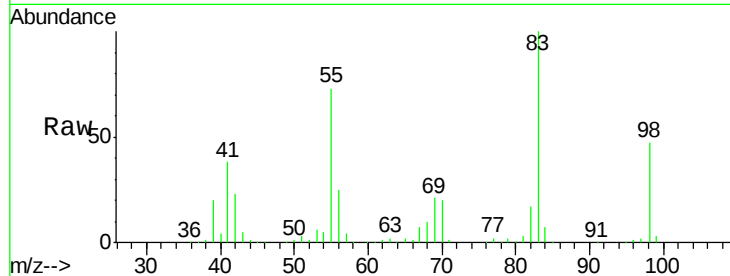
#39
Methvlcvclohexane
Concen: 47.966 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233315		
55	73.3	59.3	88.9	
98	46.7	36.6	54.8	

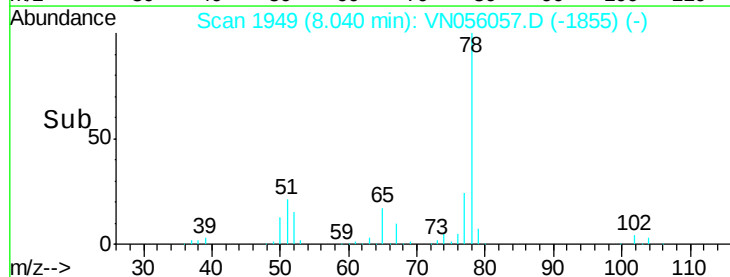
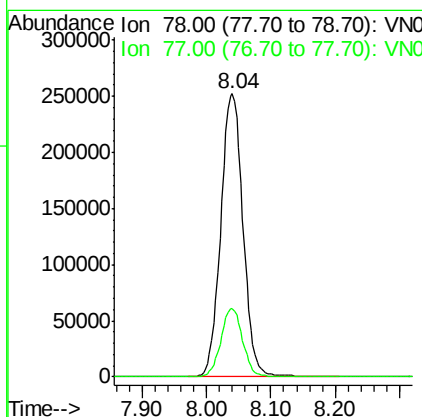
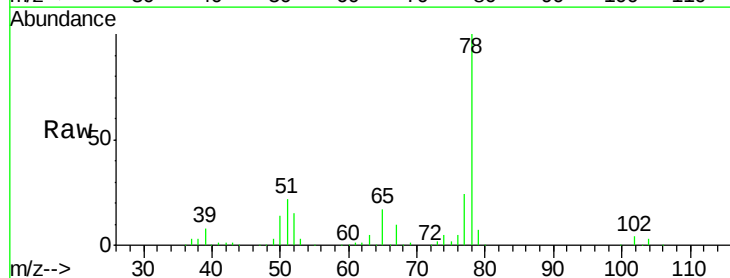
Manual Integrations
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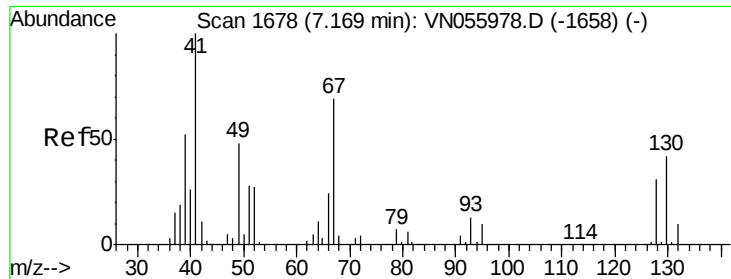
MMDadoda
6/7/2019 9:37:10 AM



#40
Benzene
Concen: 50.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	604380		
77	24.1	18.8	28.2	





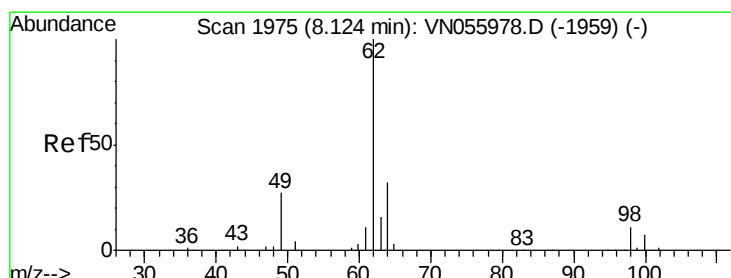
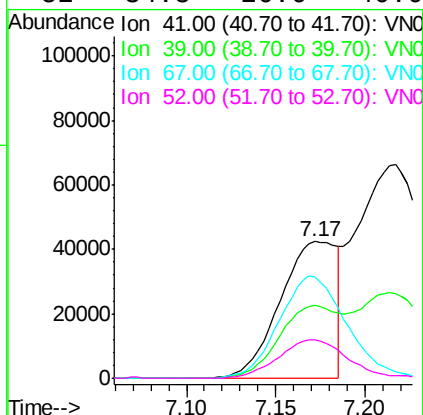
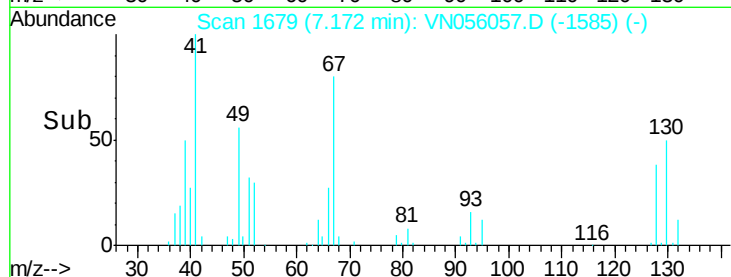
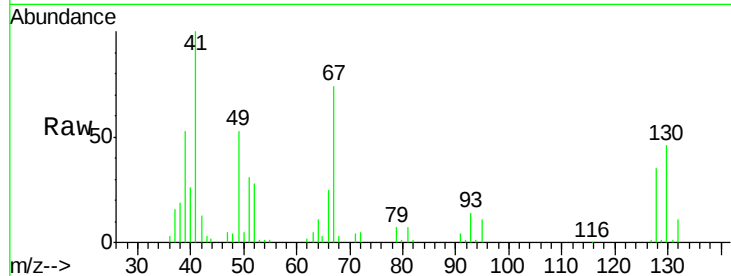
#41
Methacrylonitrile
Concen: 58.666 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	93776
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.6	68.4
67	89.4	67.7	101.5
52	34.8	26.6	40.0

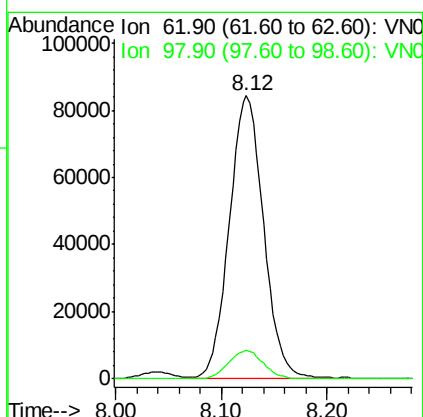
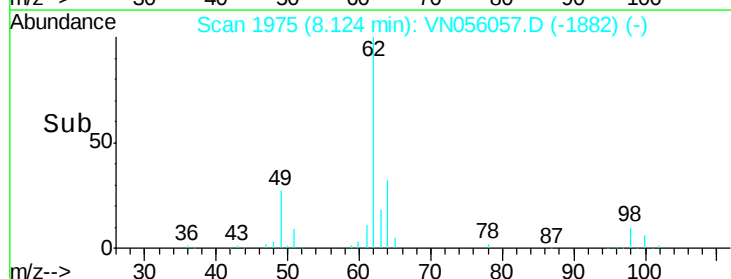
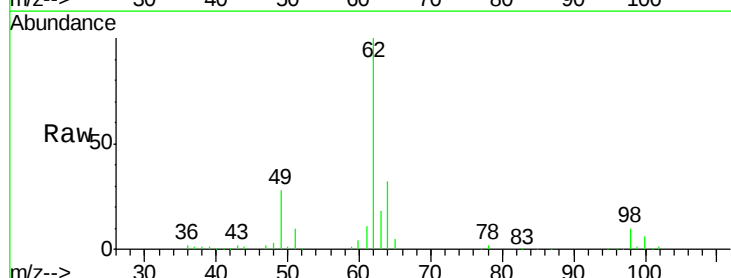
Manual Integrations
APPROVED

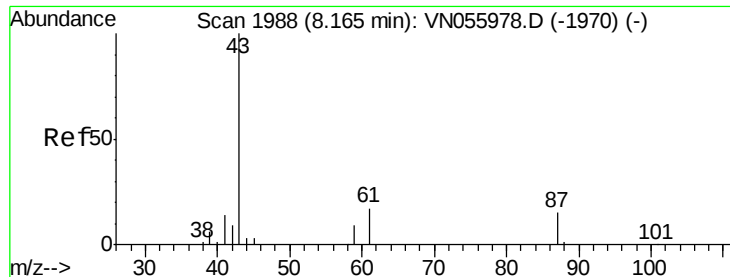
MMDadoda
6/7/2019 9:37:10 AM



#42
1,2-Dichloroethane
Concen: 49.529 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:	62	Resp:	188943
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 54.072 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

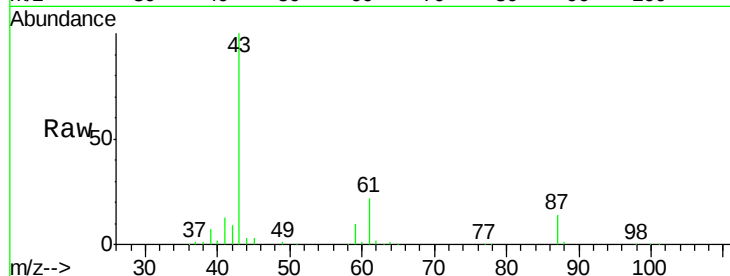
ClientSampleId :

VSTDCCC050EC

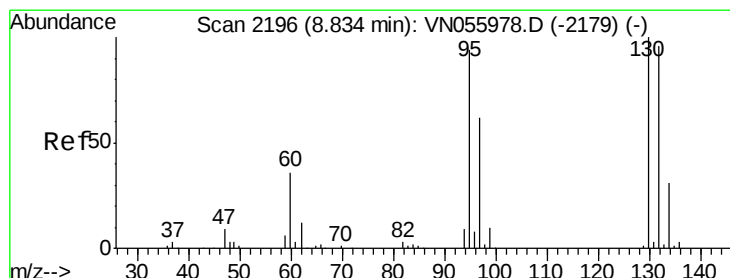
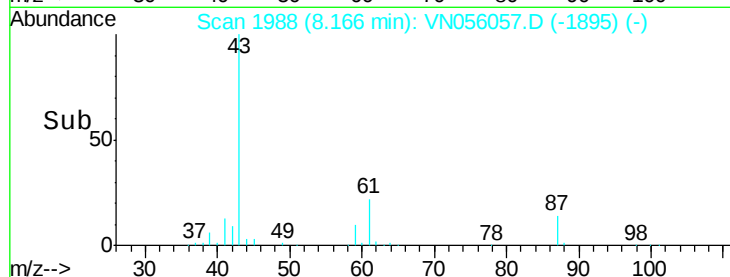
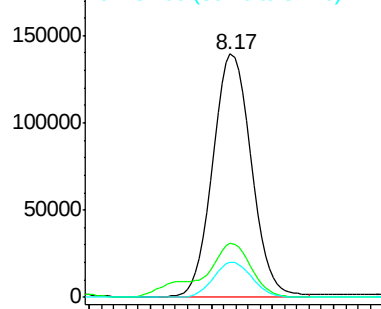
Tot Ion:	43	Resp:	304419
Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.2	33.4
87	14.6	11.4	17.2

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Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 49.521 ug/l

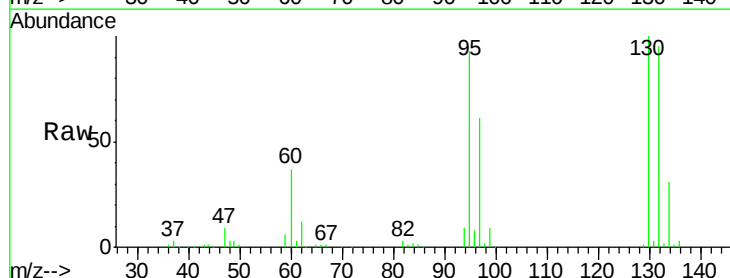
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

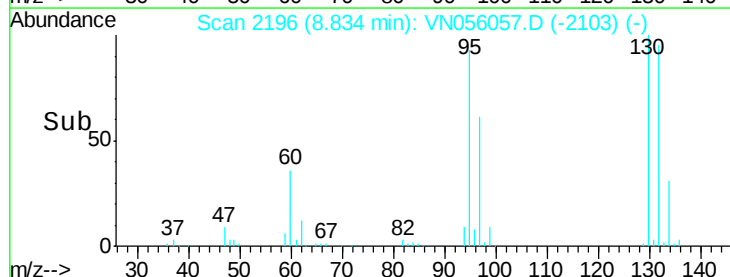
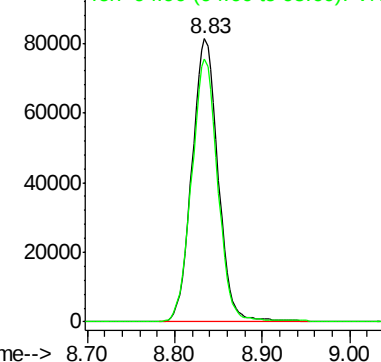
Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	130	Resp:	168757
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)





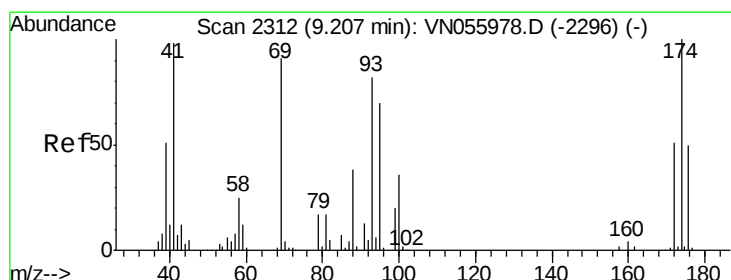
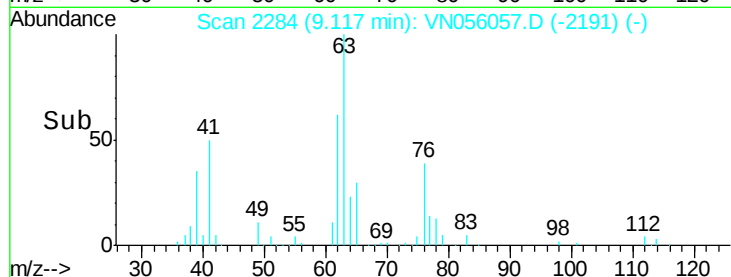
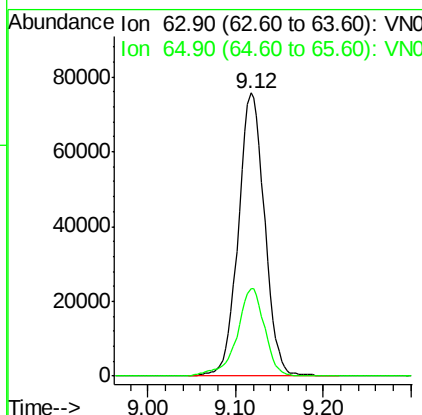
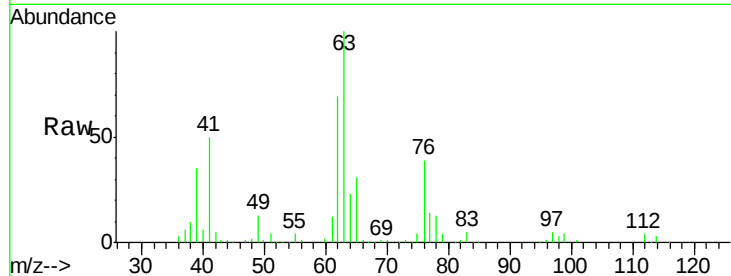
#45
 1,2-Dichloropropane
 Concen: 51.920 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 157717
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8

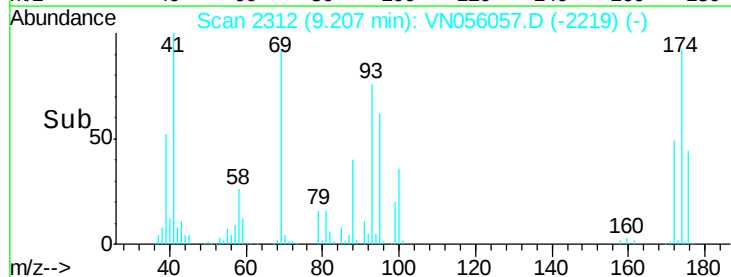
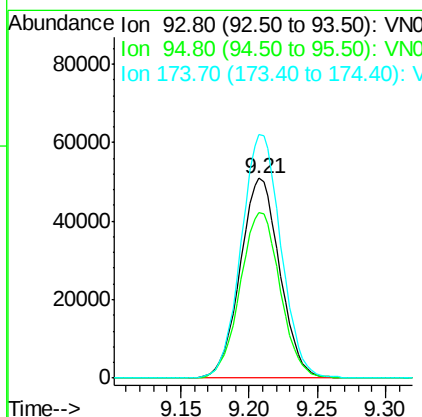
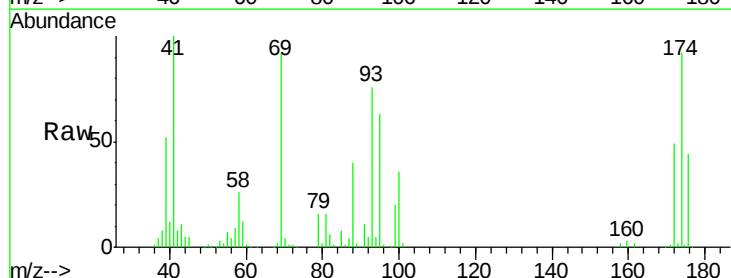
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 6/7/2019 9:37:10 AM



#46
 Dibromomethane
 Concen: 51.699 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 93 Resp: 102696
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 122.5 96.4 144.6





#47

Bromodichloromethane

Concen: 52.285 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

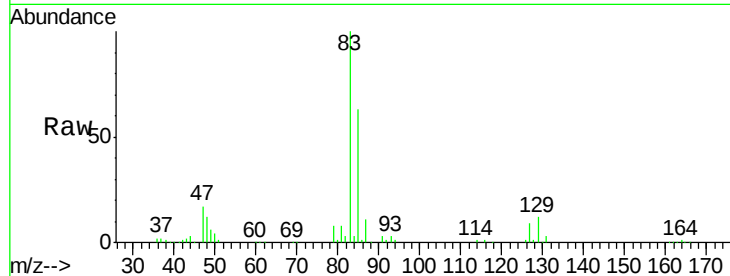
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	188237
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.2	78.2
127	9.4	7.4	11.0

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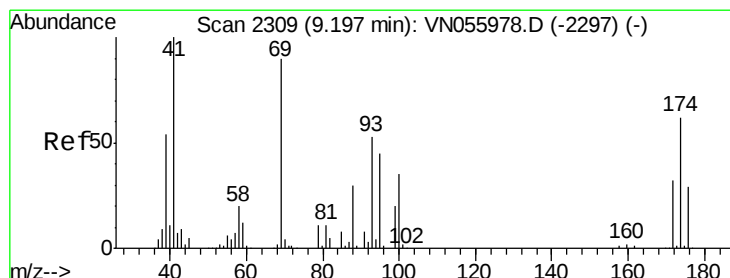
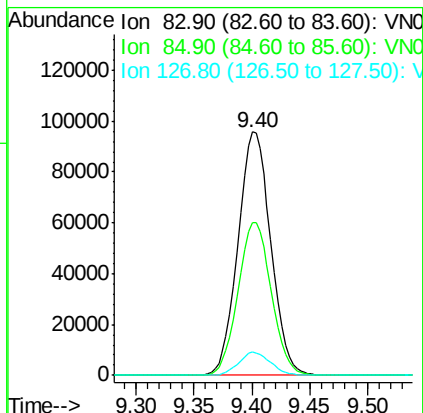
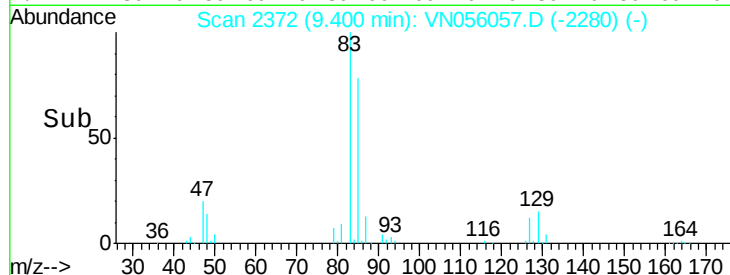


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 55.140 ug/l

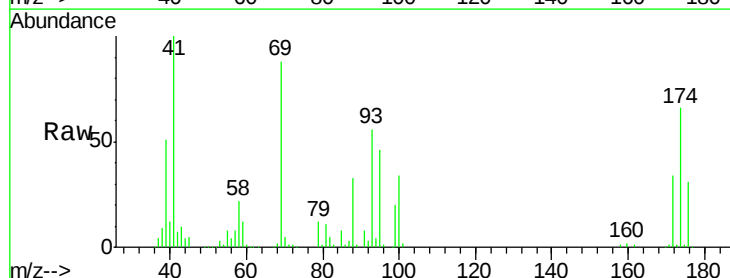
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	41	Resp:	151872
Ion Ratio	Lower	Upper	
41	100		
69	91.3	71.0	106.6
39	52.7	44.2	66.2

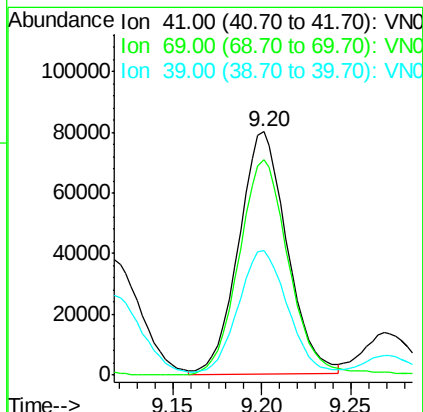
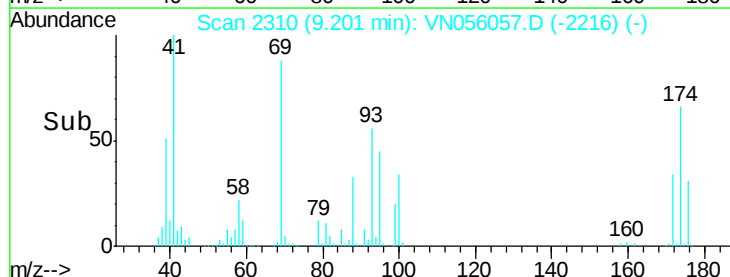


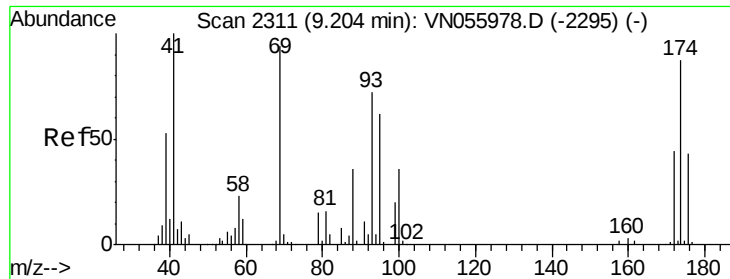
Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)

Time-->





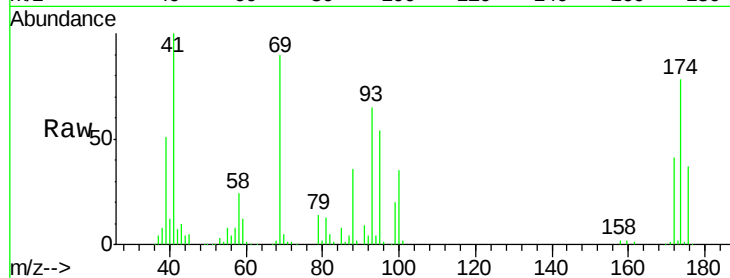
#49
1,4-Dioxane
Concen: 1113.951 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	20.5	30.7
58	68.8	55.8	83.6

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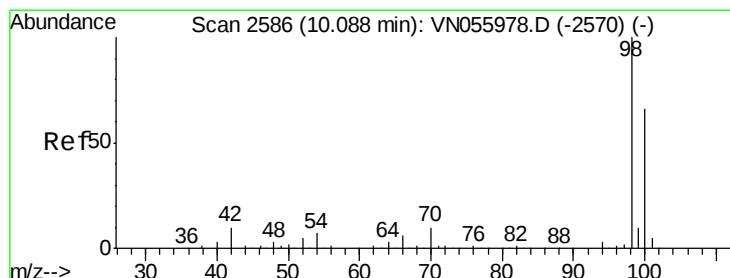
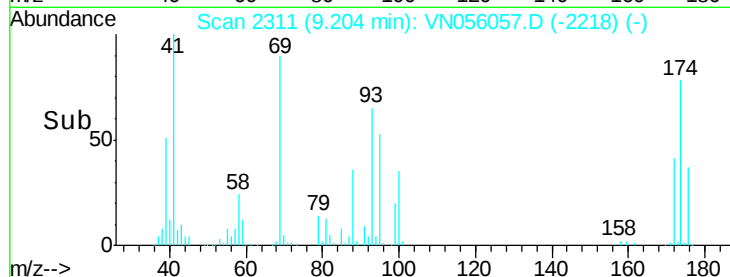
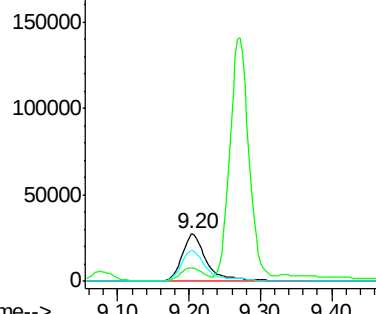
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Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

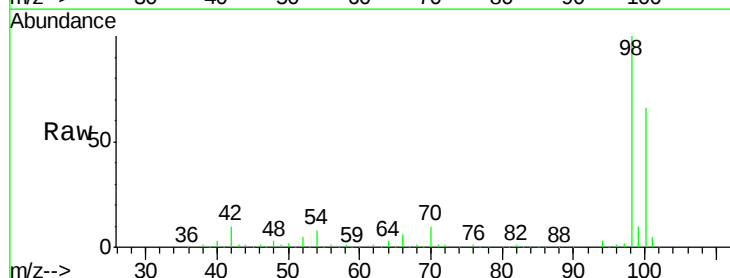
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



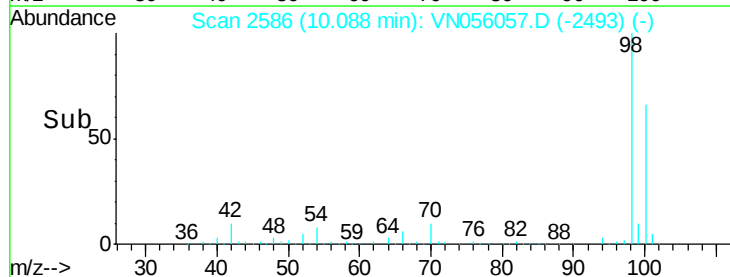
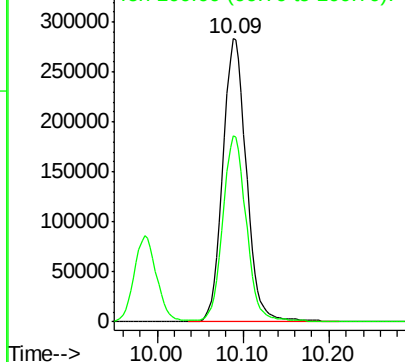
#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9



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

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 278.546 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 980666

Ion Ratio Lower Upper

43 100

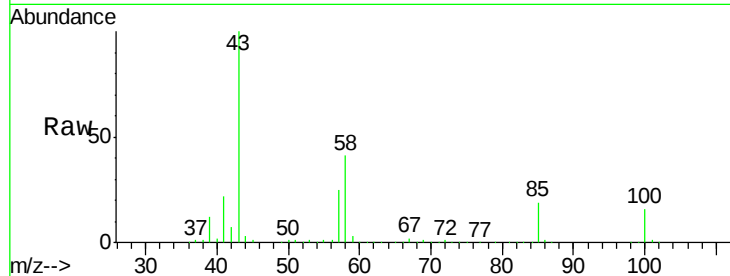
58 40.7 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

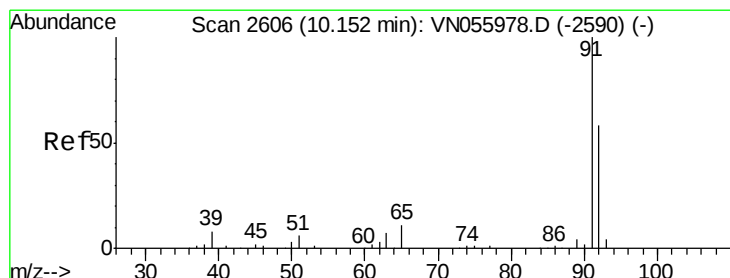
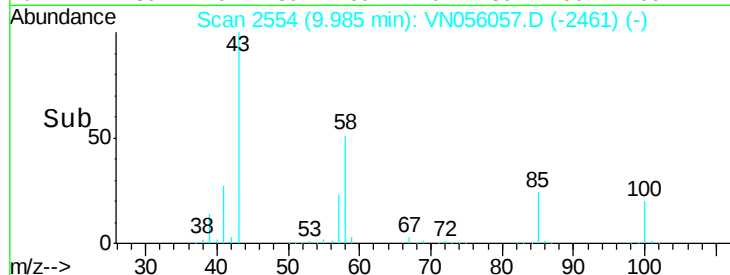
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.399 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056057.D

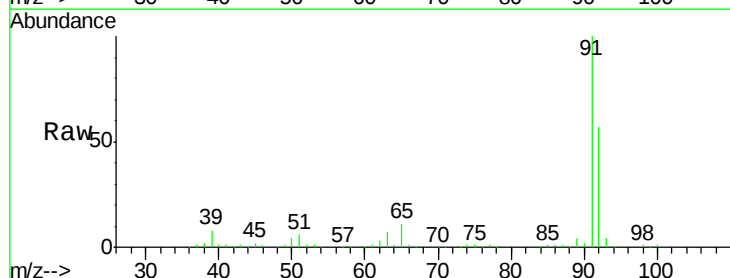
Acq: 6 Jun 2019 19:57

Tgt Ion: 92 Resp: 379307

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

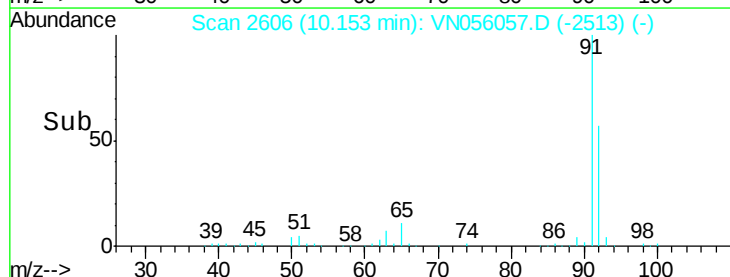
300000

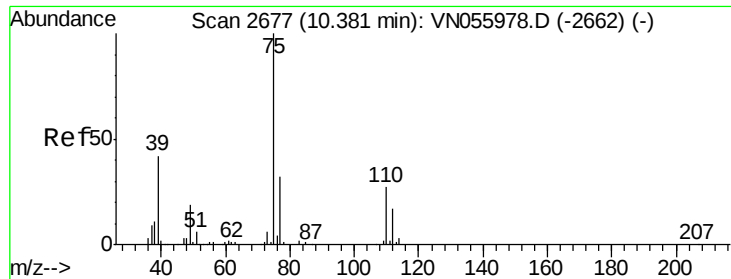
200000

100000

0

Time-->





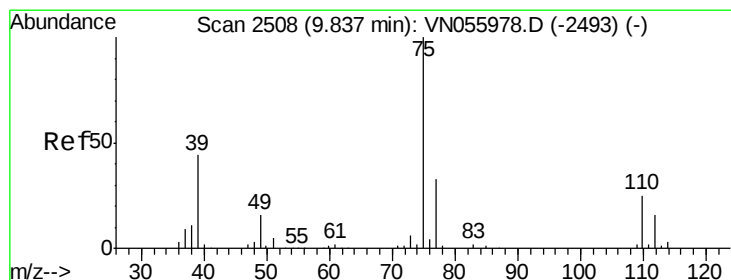
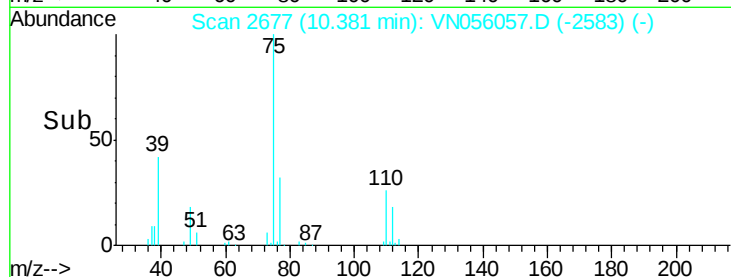
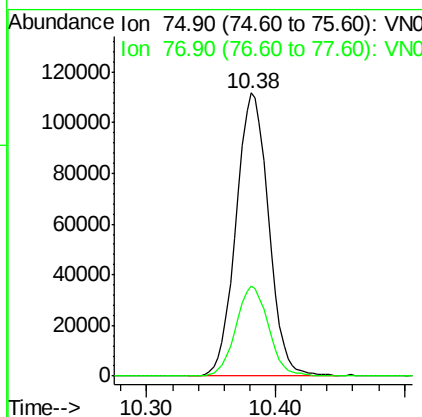
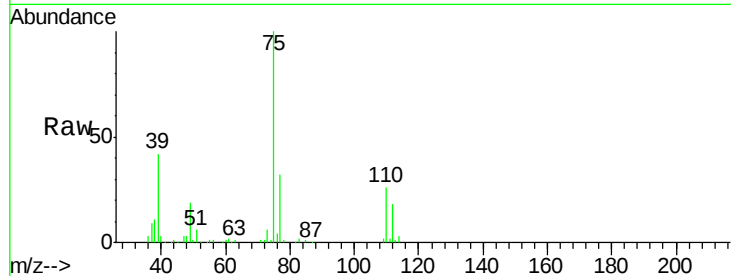
#53
 t-1,3-Dichloropropene
 Concen: 46.770 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 196732
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6

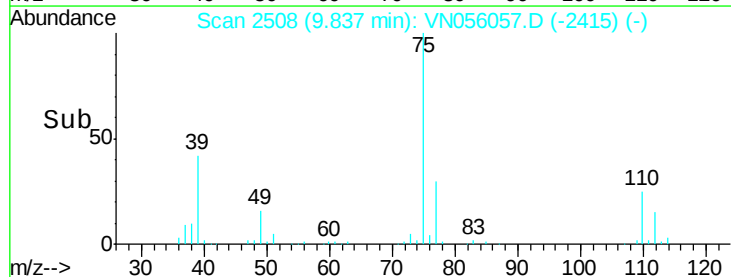
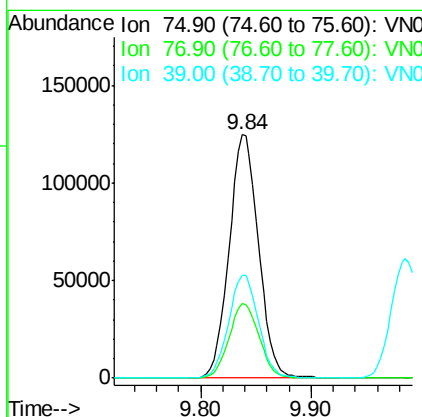
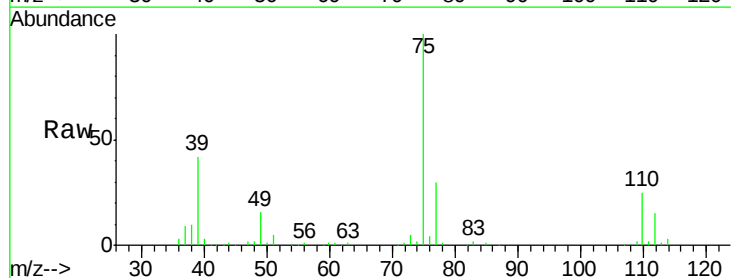
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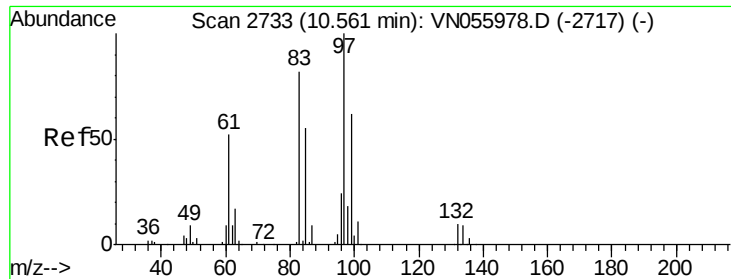
MMDadoda
 6/7/2019 9:37:10 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.207 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 75 Resp: 230254
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0
 39 42.3 36.3 54.5





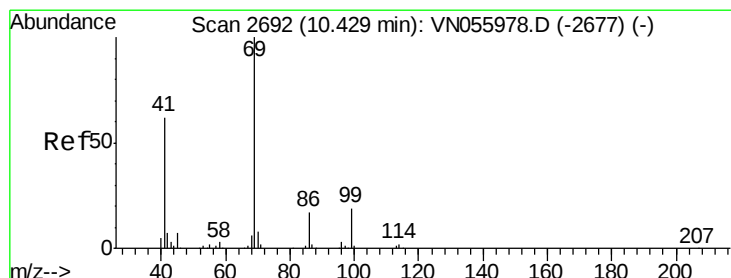
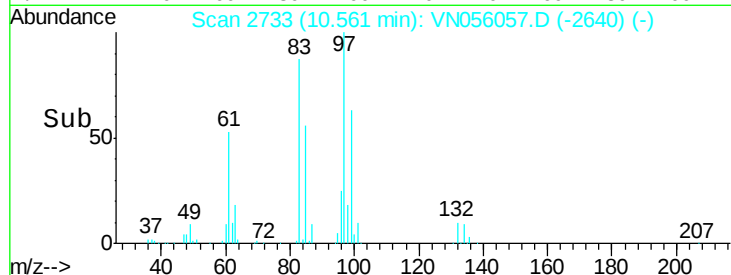
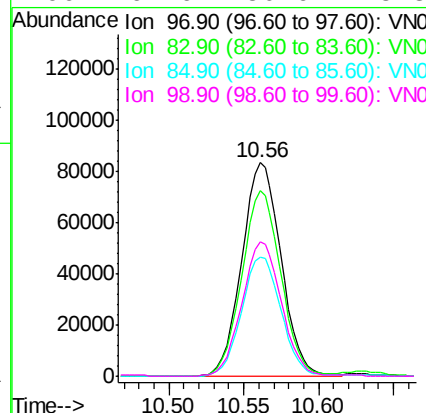
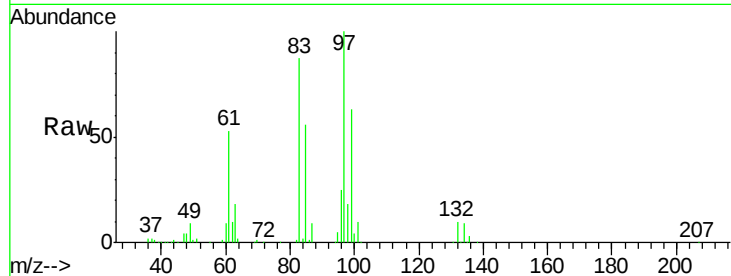
#55
 1,1,2-Trichloroethane
 Concen: 52.143 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	152425
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.0	100.6
85	55.9	44.0	66.0
99	62.6	50.6	75.8

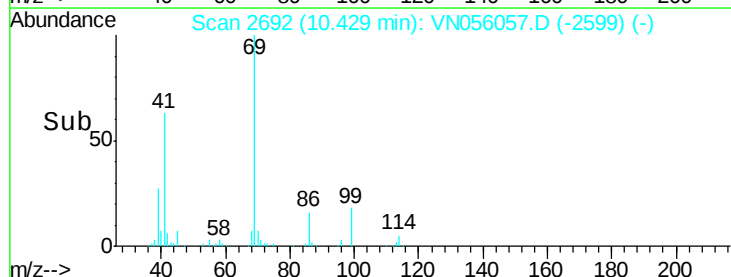
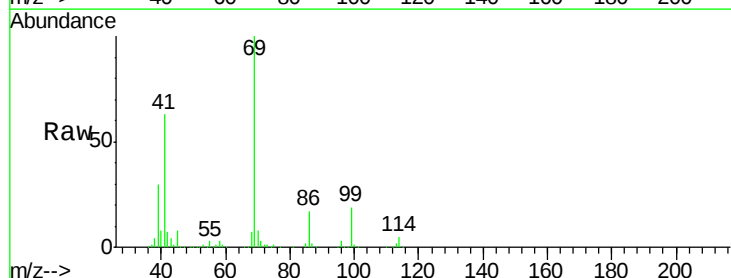
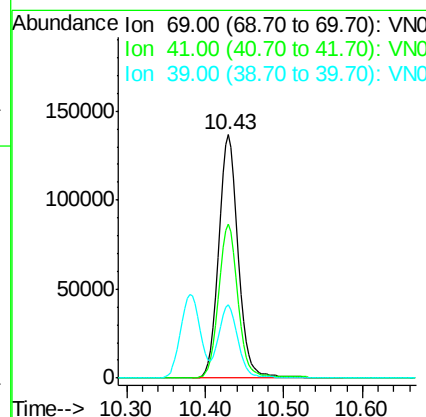
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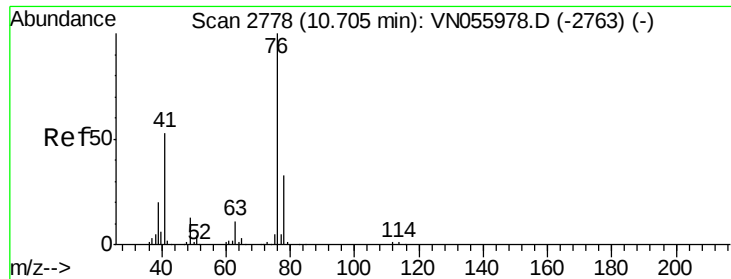
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 6/7/2019 9:37:10 AM



#56
 Ethyl methacrylate
 Concen: 54.585 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion:	69	Resp:	232787
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.470 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 249343

Ion Ratio Lower Upper

76 100

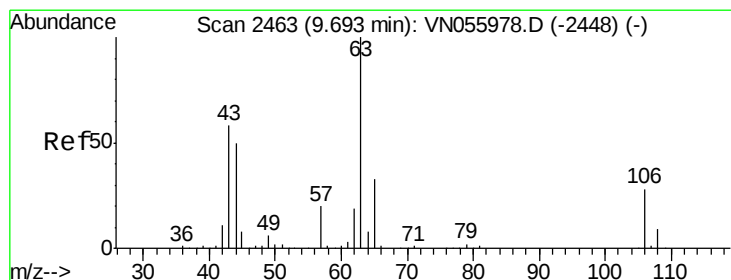
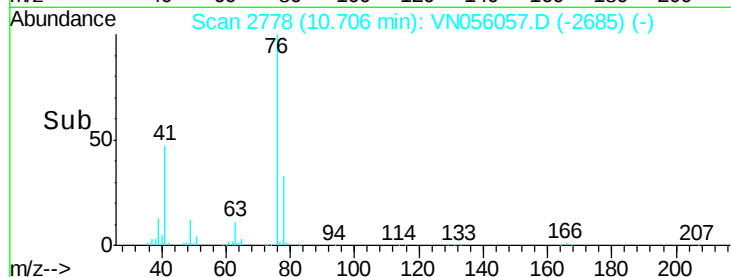
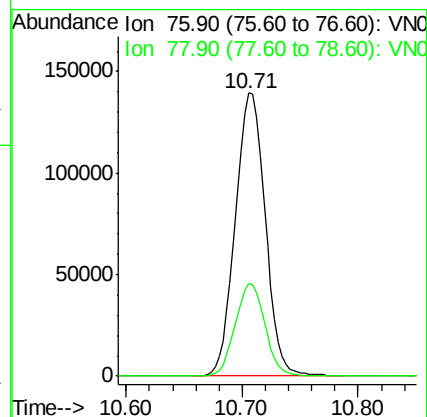
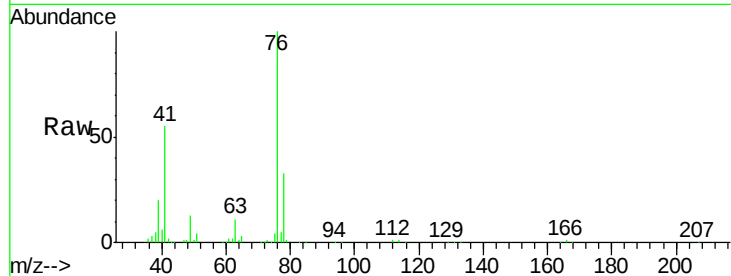
78 32.4 25.8 38.6

Manual Integrations

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6/7/2019 9:37:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 238.442 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056057.D

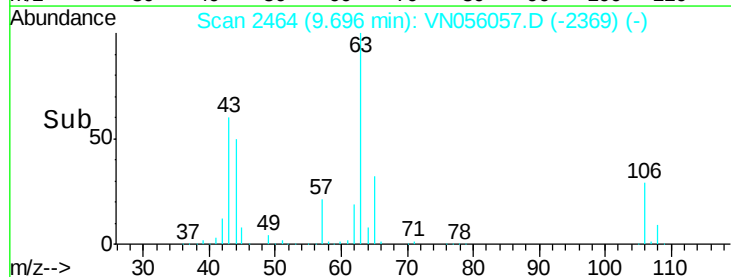
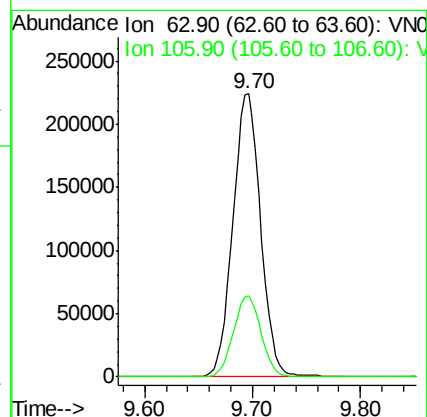
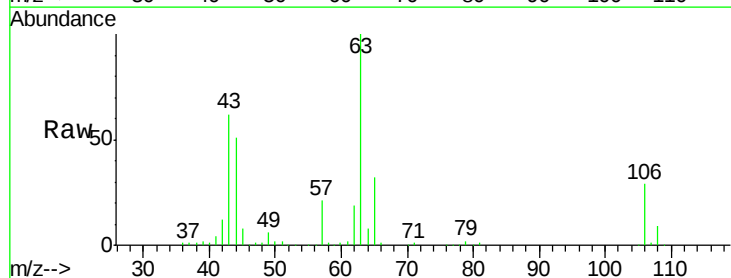
Acq: 6 Jun 2019 19:57

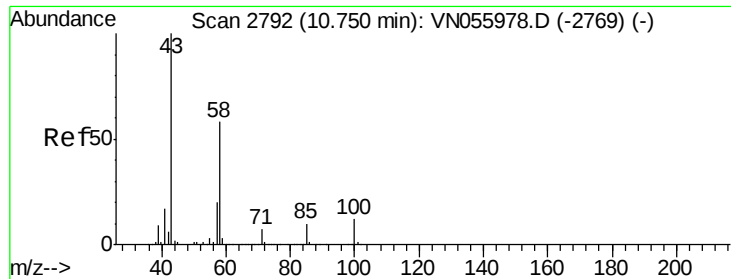
Tgt Ion: 63 Resp: 401937

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1





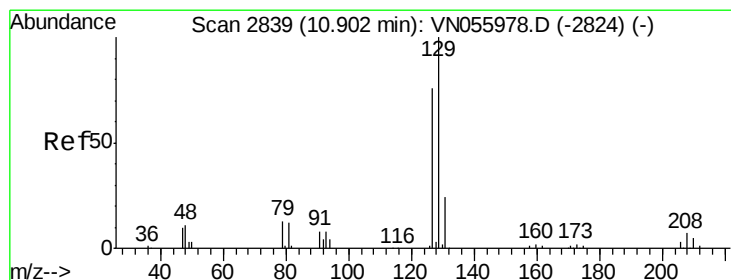
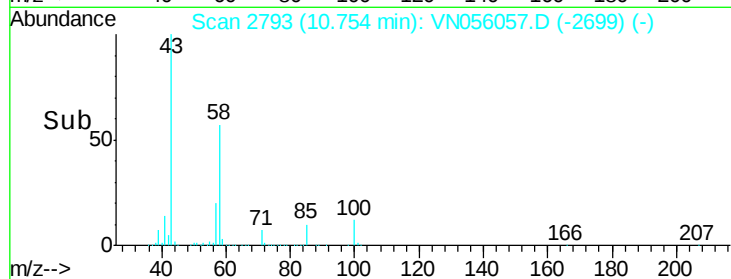
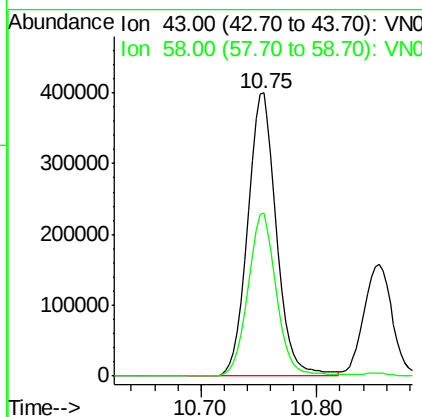
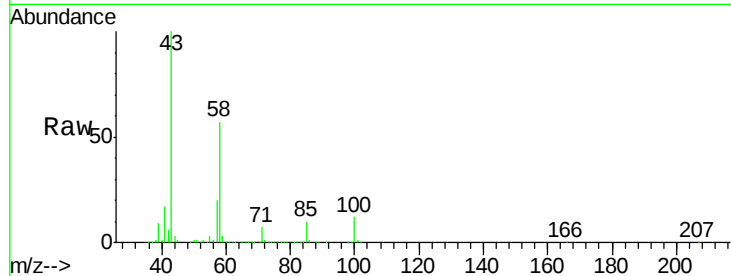
#59
2-Hexanone
Concen: 270.952 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 691386
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7

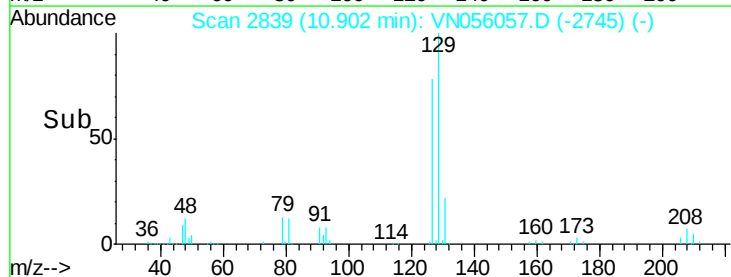
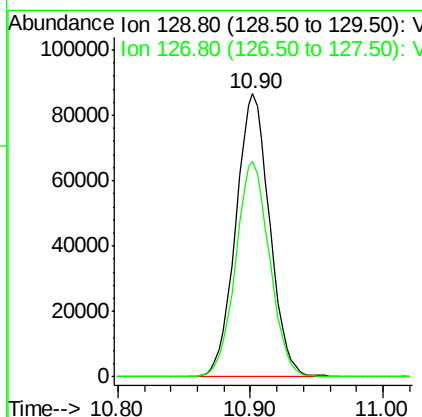
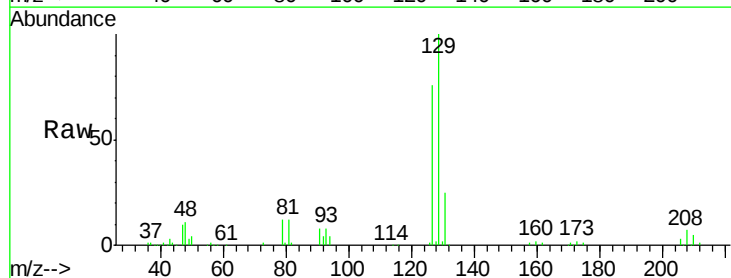
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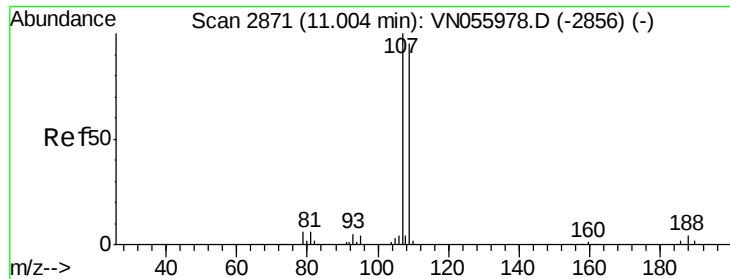
MMDadoda
6/7/2019 9:37:10 AM



#60
Dibromochloromethane
Concen: 47.645 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 129 Resp: 153218
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3





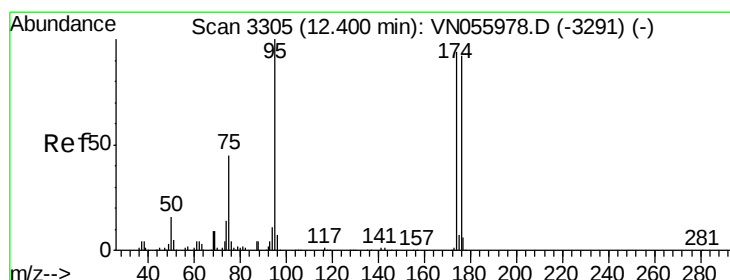
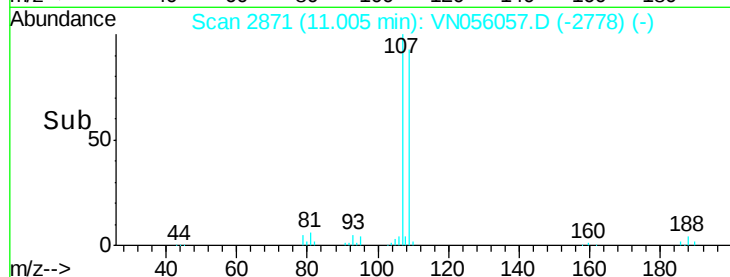
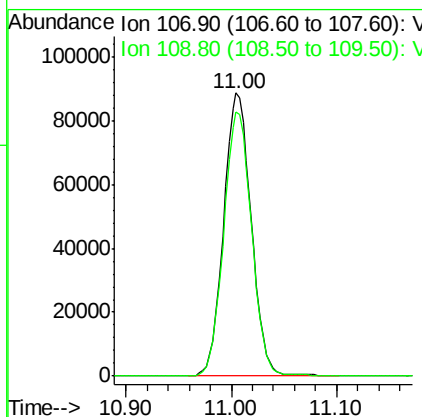
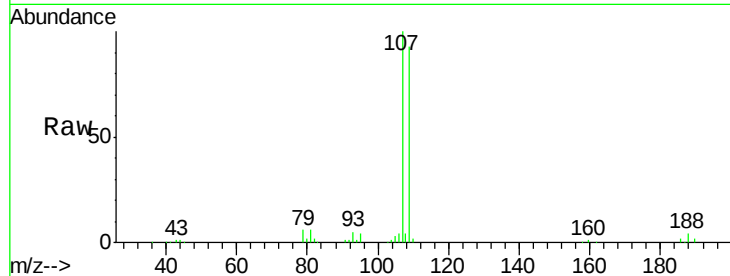
#61
 1,2-Dibromoethane
 Concen: 53.464 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.8	112.2

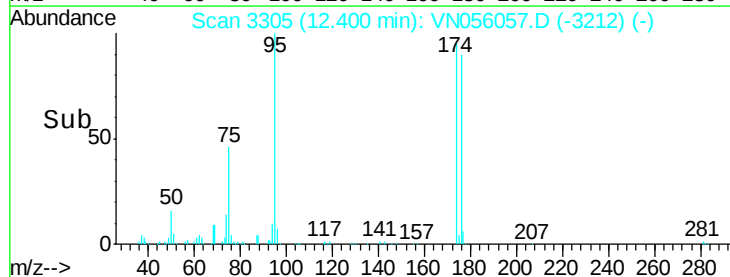
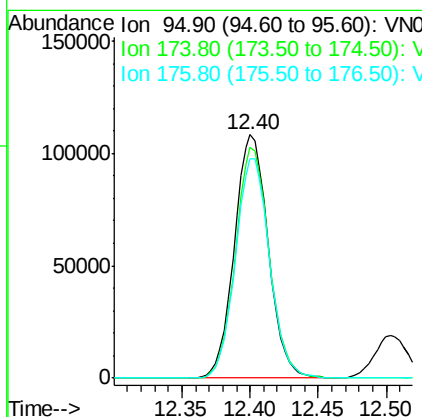
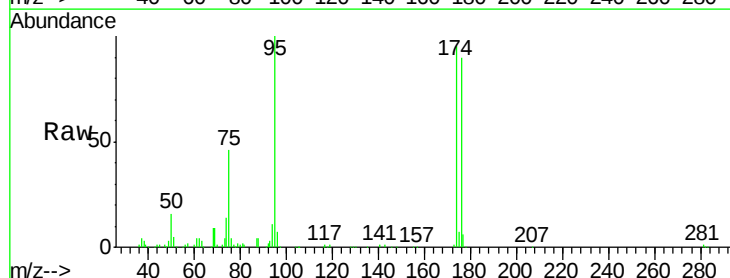
Manual Integrations
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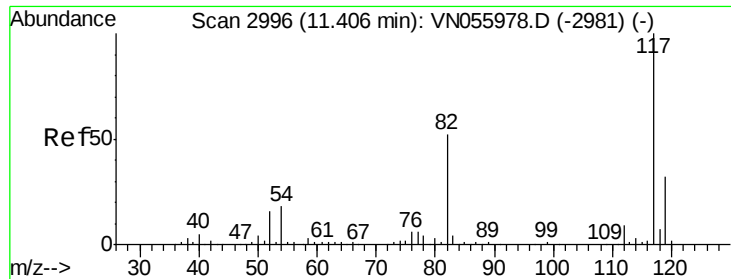
MMDadoda
 6/7/2019 9:37:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.264 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	191.0
176	90.9	0.0	185.2





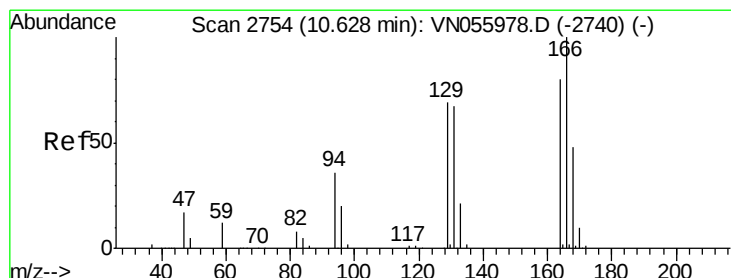
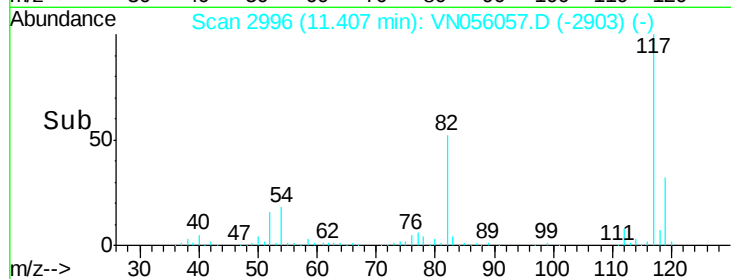
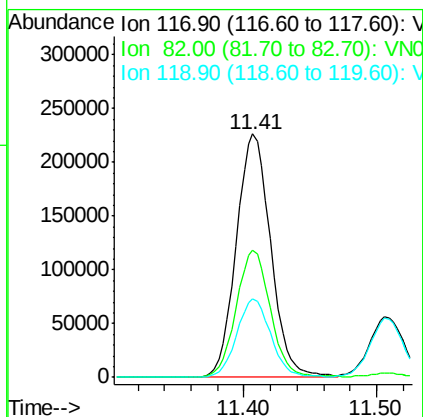
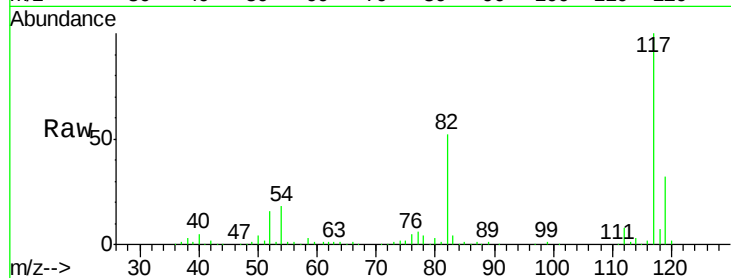
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.2	25.4	38.0

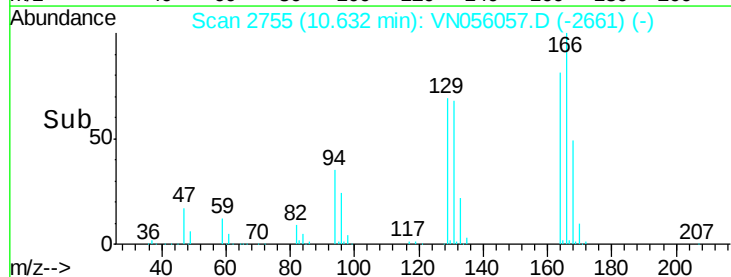
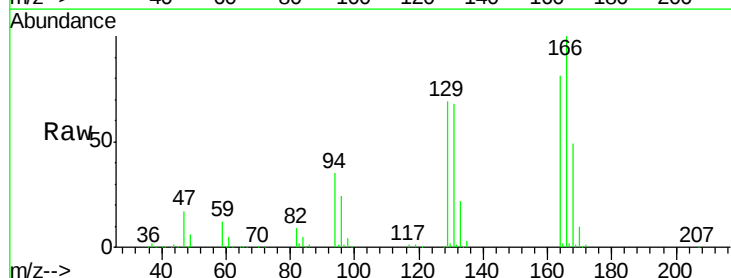
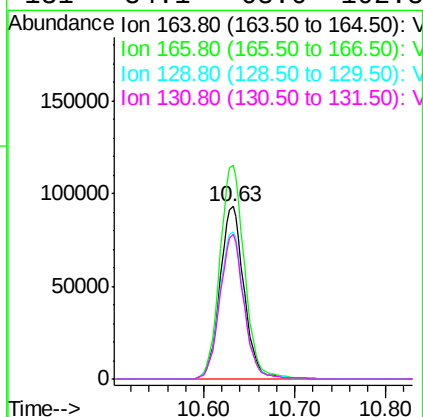
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#64
Tetrachloroethene
Concen: 48.335 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.0	154.6
129	85.7	70.6	105.8
131	84.1	68.6	102.8





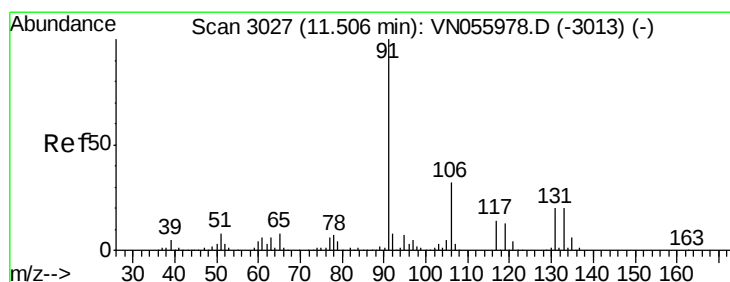
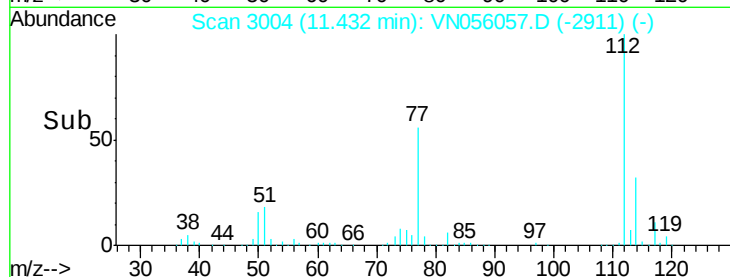
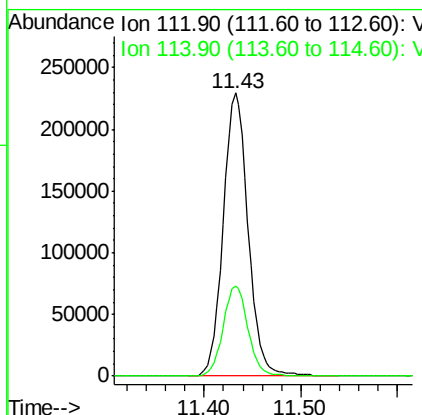
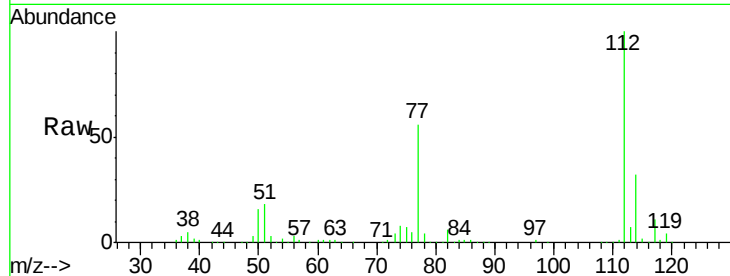
#65
Chlorobenzene
Concen: 50.548 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 410930
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

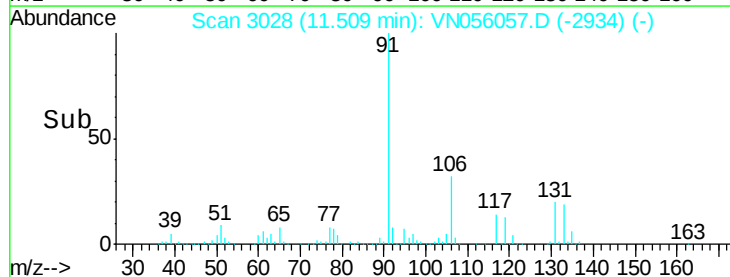
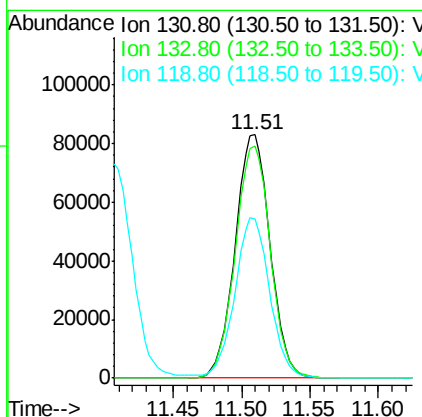
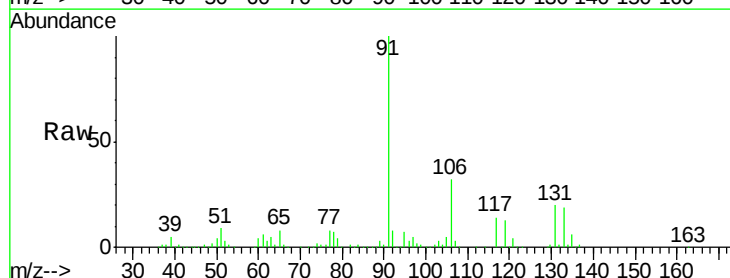
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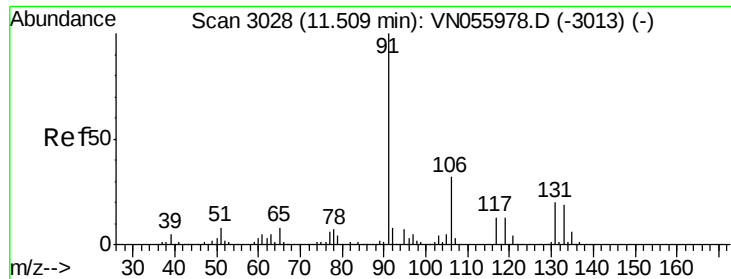
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.561 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:131 Resp: 147539
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 65.7 33.1 99.5





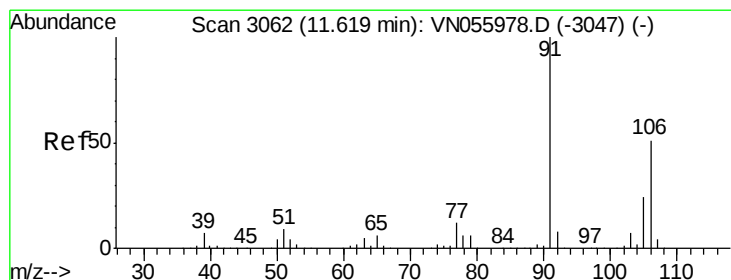
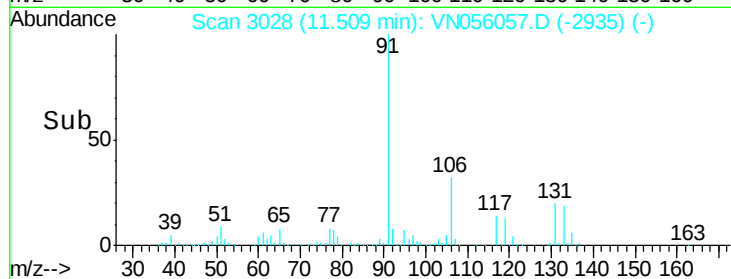
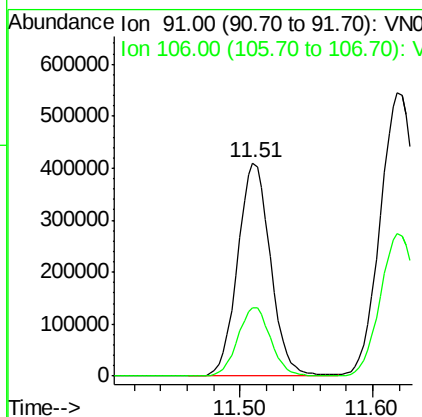
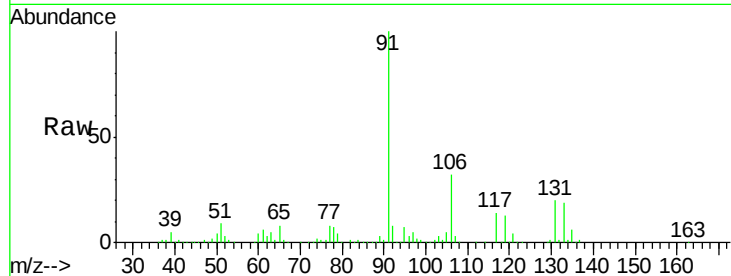
#67
Ethyl Benzene
Concen: 49.960 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 706231
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

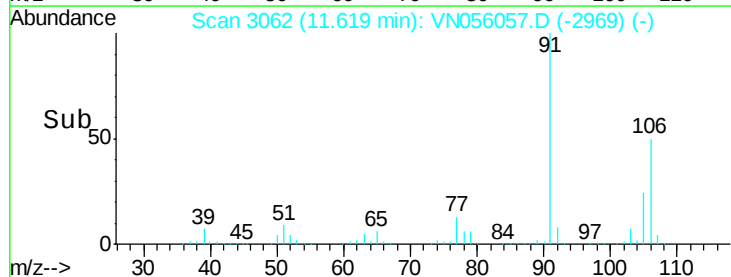
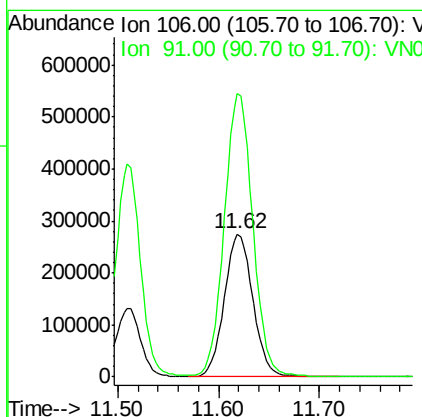
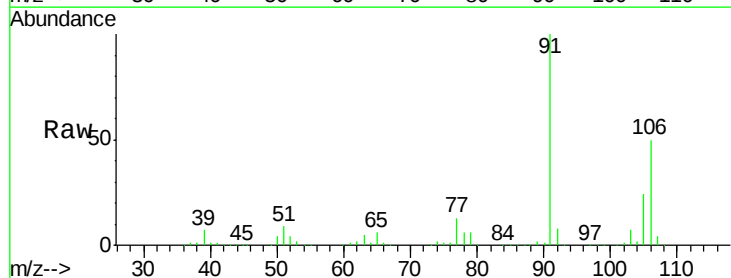
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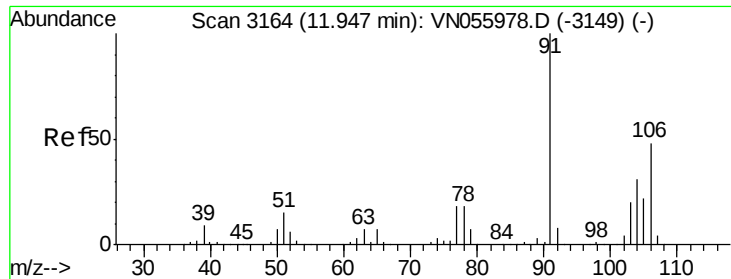
MMDadoda
6/7/2019 9:37:10 AM



#68
m/p-Xylenes
Concen: 100.584 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 106 Resp: 543162
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9





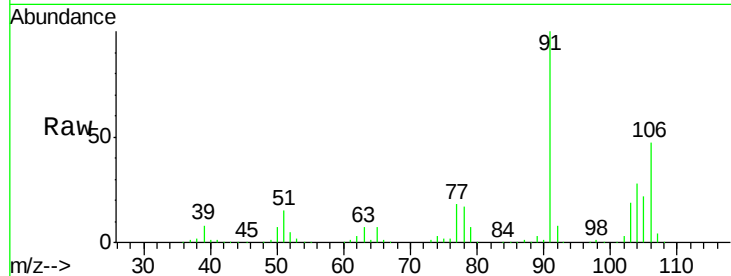
#69
o-Xylene
Concen: 50.200 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

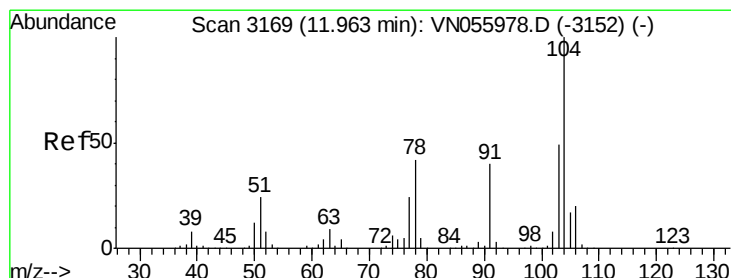
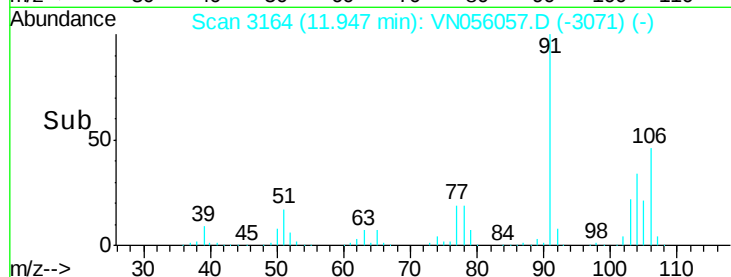
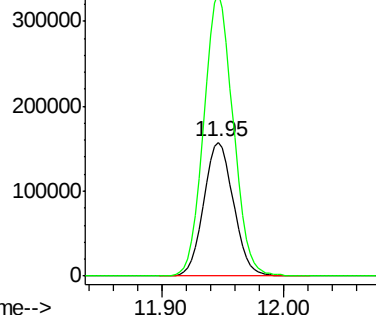
Tot Ion:106 Resp: 266654
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1

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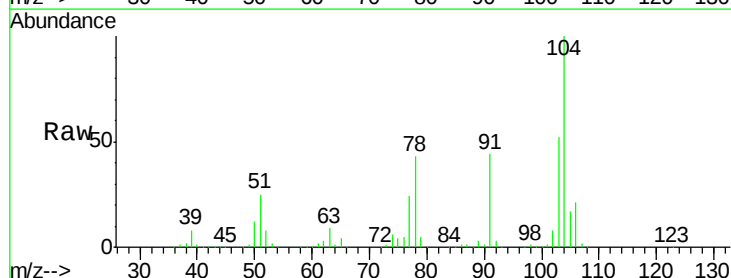


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

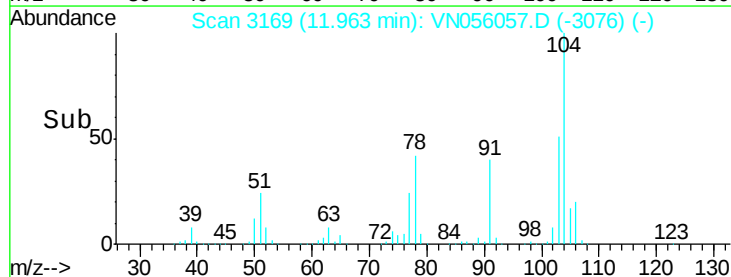
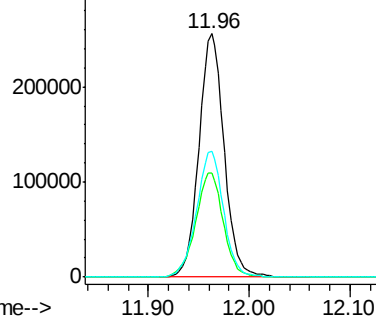


#70
Styrene
Concen: 52.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:104 Resp: 445921
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





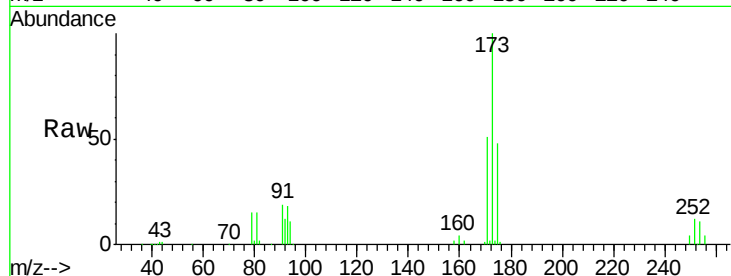
#71
Bromoform
Concen: 46.723 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

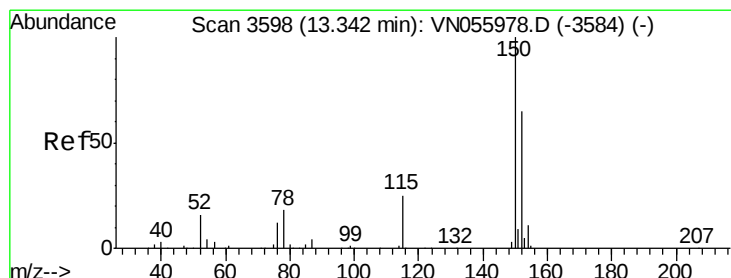
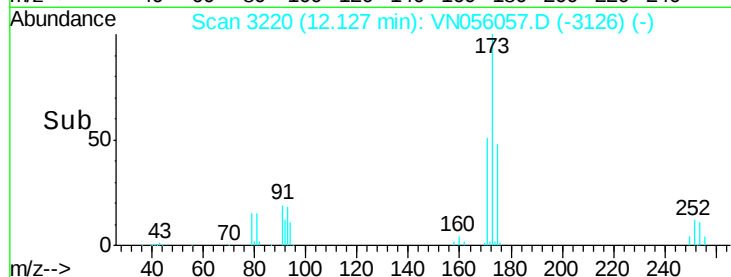
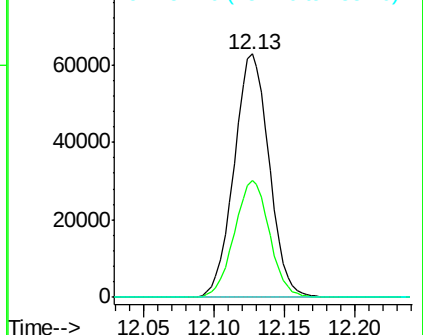
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.0	0.0

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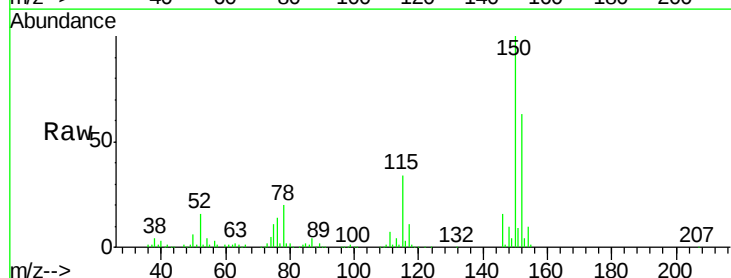


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

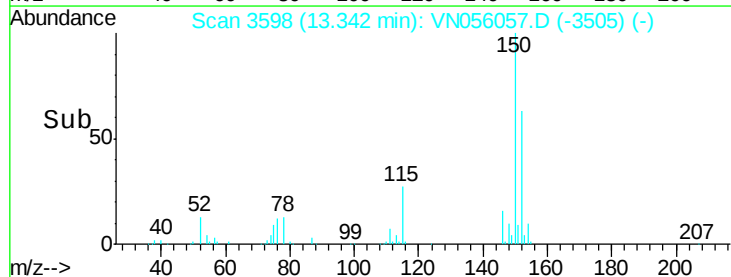
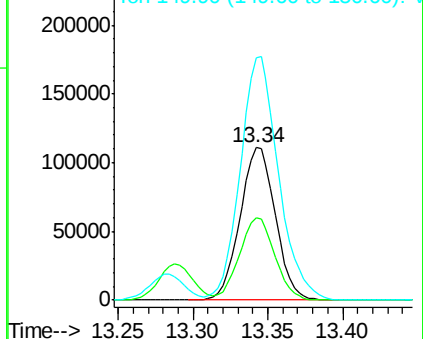


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.0	81.0
150	172.9	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: 54.110 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 700139

Ion Ratio Lower Upper

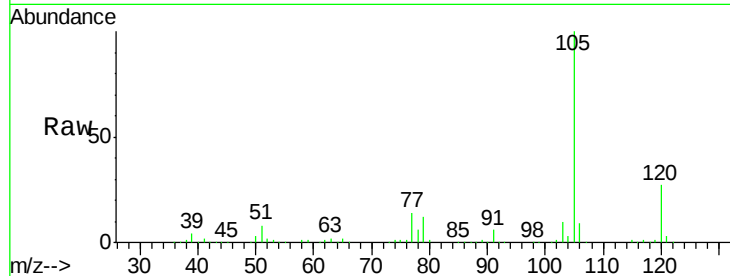
105 100

120 27.0 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

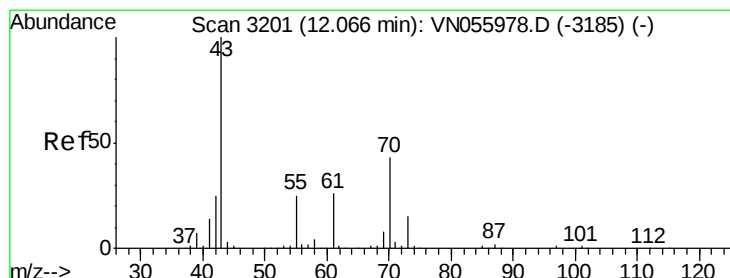
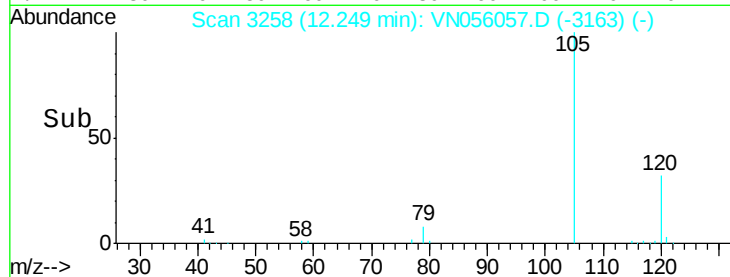
100000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 51.827 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion: 43 Resp: 251708

Ion Ratio Lower Upper

43 100

70 44.4 34.0 51.0

55 24.9 18.6 28.0

61 25.5 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

250000

200000

150000

100000

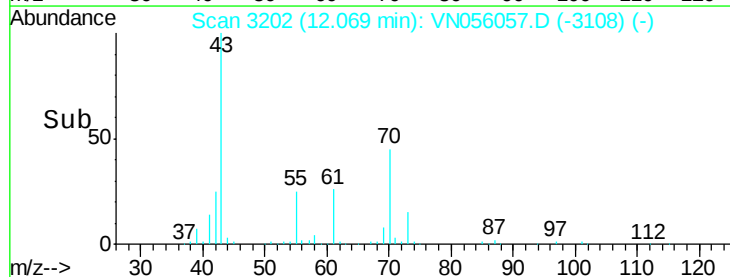
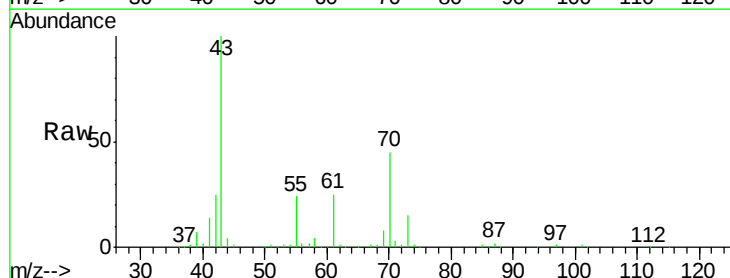
50000

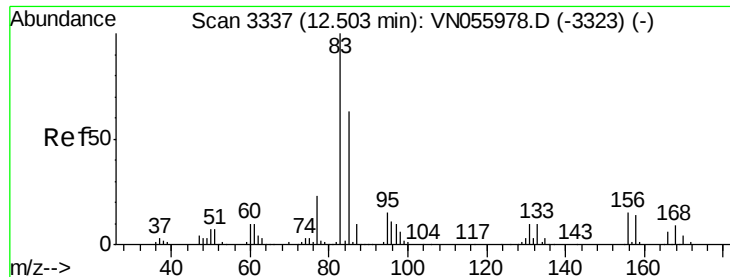
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

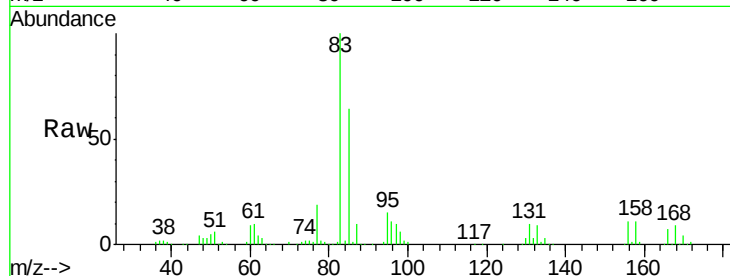
ClientSampleId :

VSTDCCC050EC

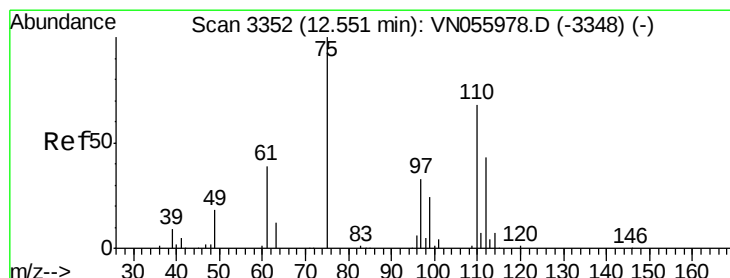
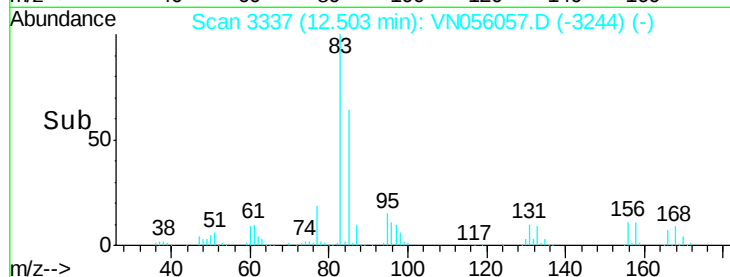
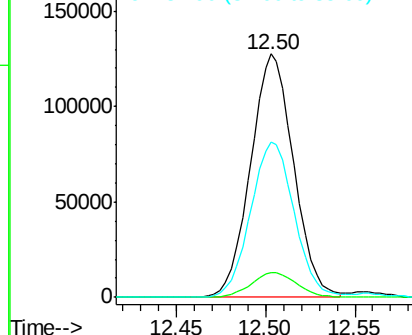
Tot Ion:	83	Resp:	214801
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.9	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 52.698 ug/l m

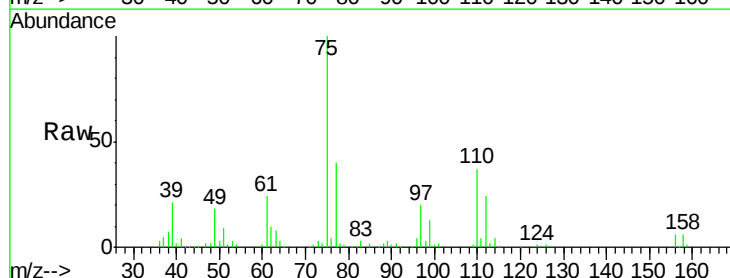
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

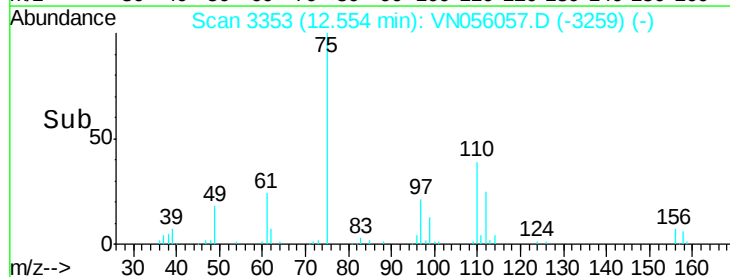
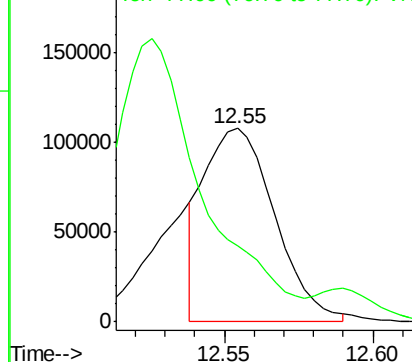
Lab File: VN056057.D

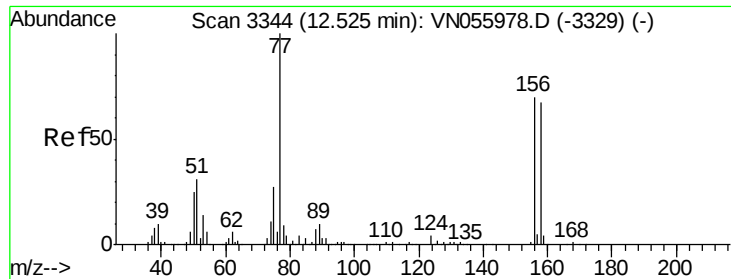
Acq: 6 Jun 2019 19:57

Tgt Ion:	75	Resp:	176669
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.221 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

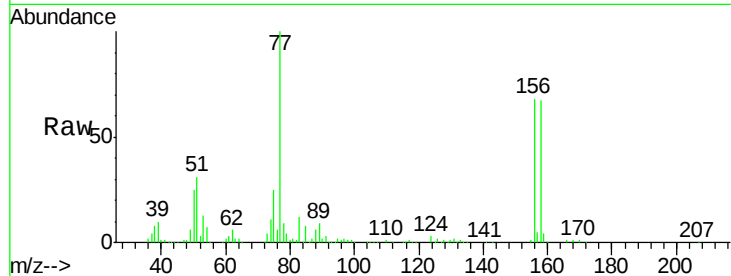
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		188099		
77	177.9	90.8	272.5		
158	97.4	49.3	147.8		

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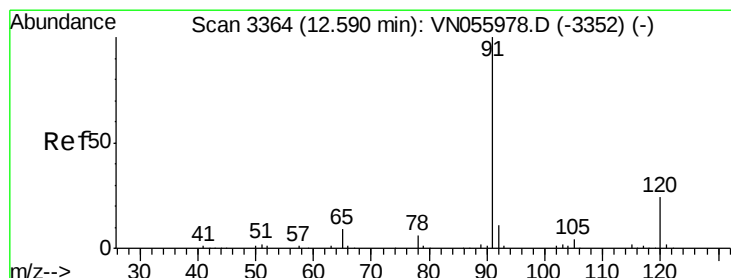
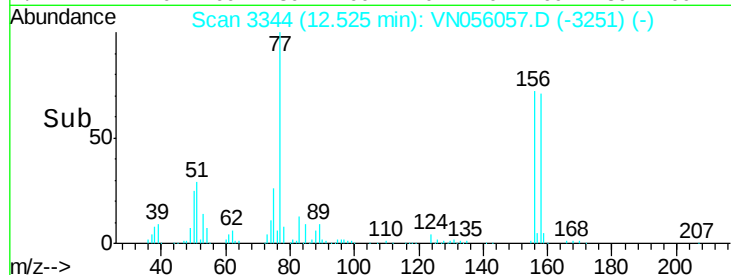
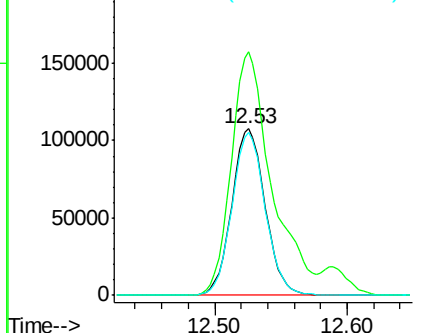
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.897 ug/l

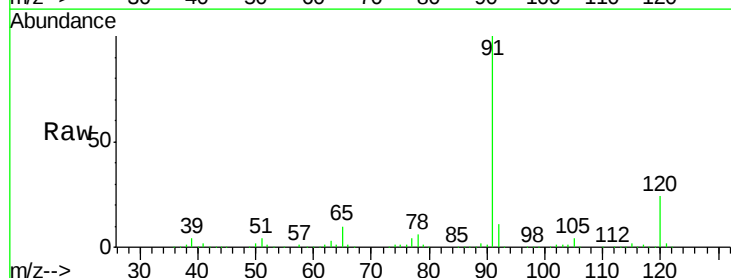
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056057.D

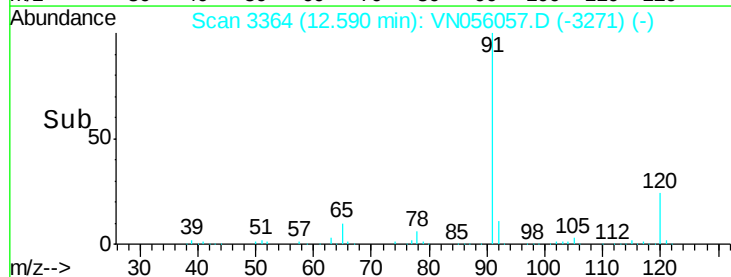
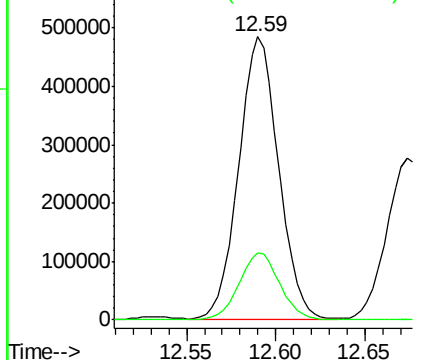
Acq: 6 Jun 2019 19:57

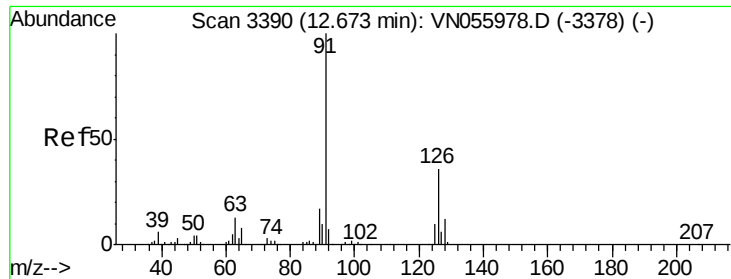
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		753682		
120	24.2	12.0	36.0		



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.085 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 460778

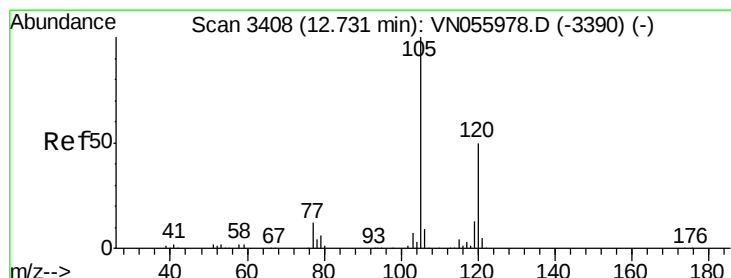
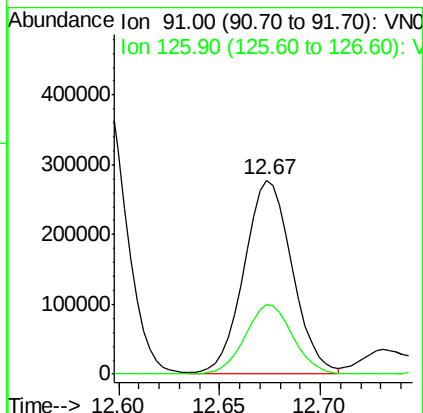
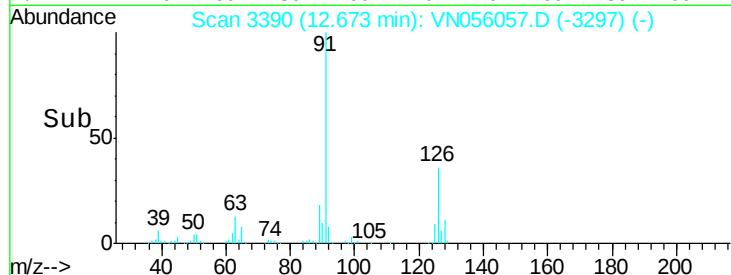
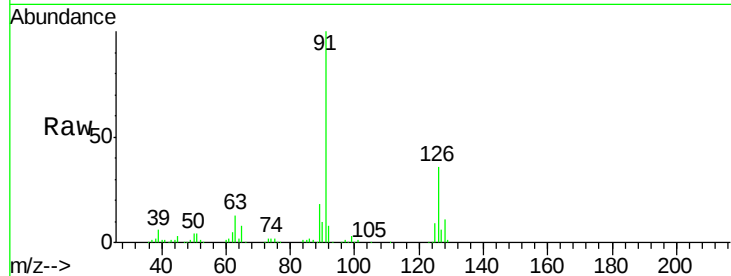
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 47.265 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056057.D

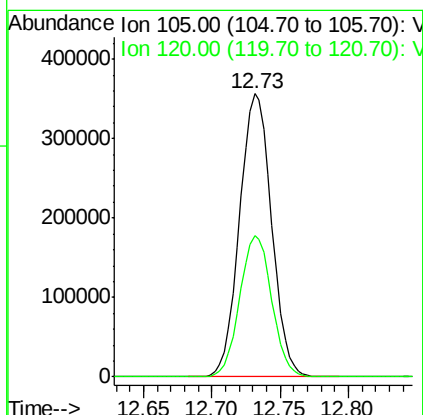
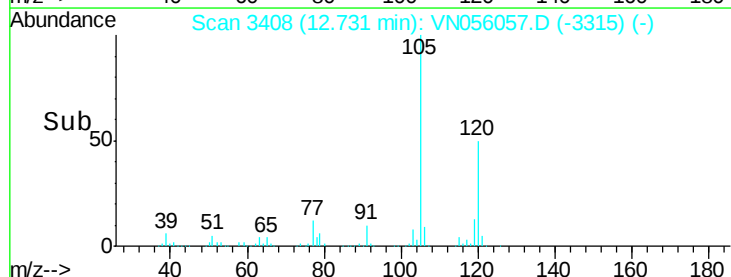
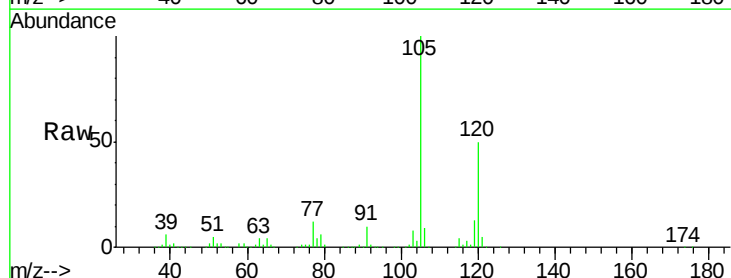
Acq: 6 Jun 2019 19:57

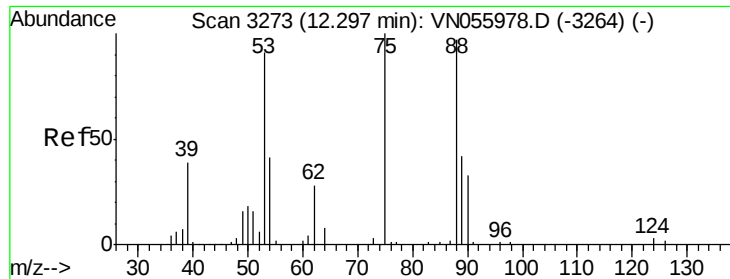
Tgt Ion: 105 Resp: 578993

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1





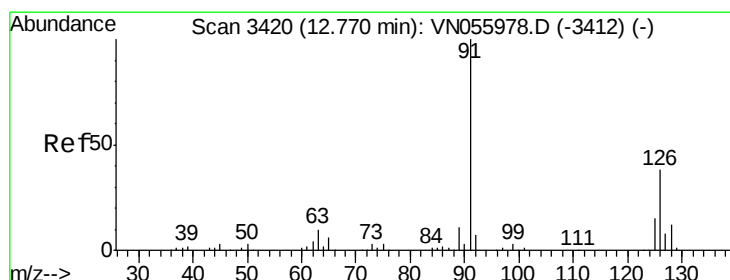
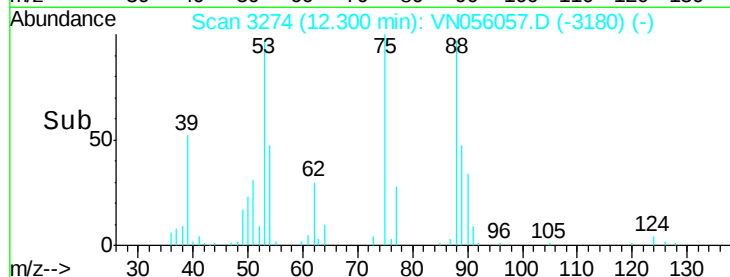
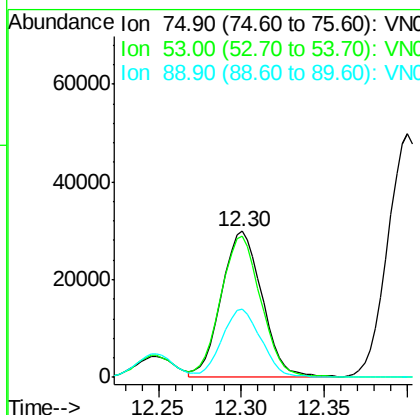
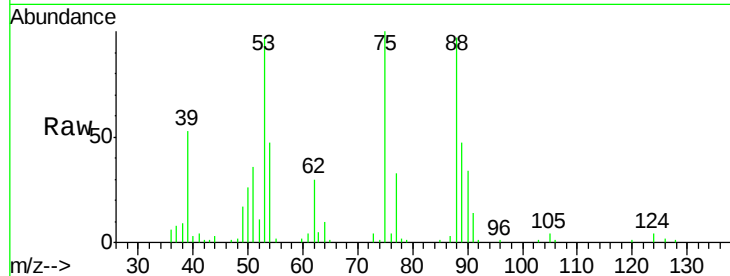
#81
trans-1,4-Dichloro-2-butene
Concen: 50.764 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	68.1	102.1
89	45.2	36.9	55.3

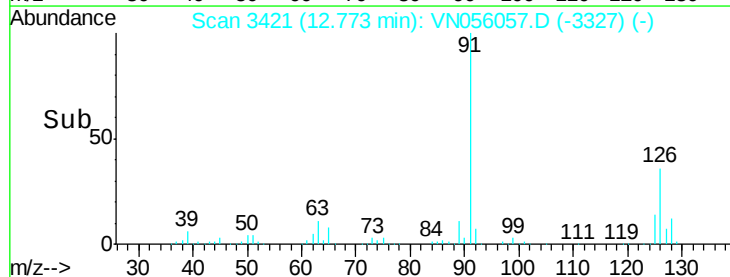
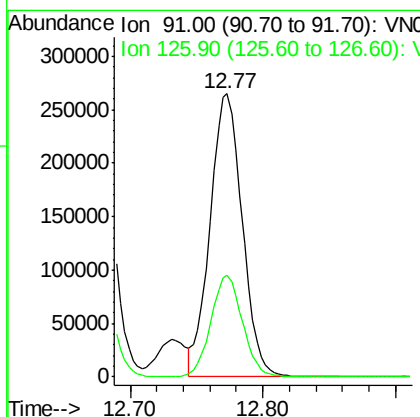
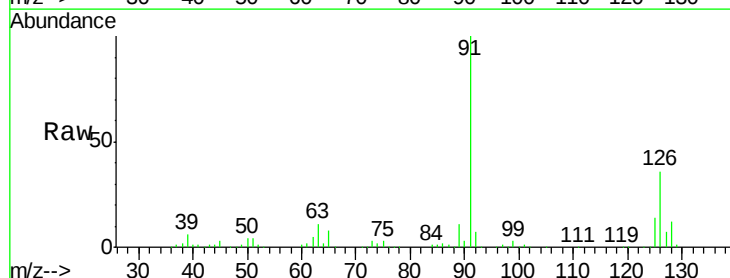
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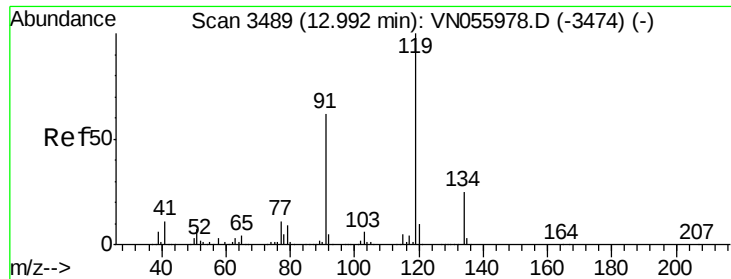
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#82
4-Chlorotoluene
Concen: 49.576 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





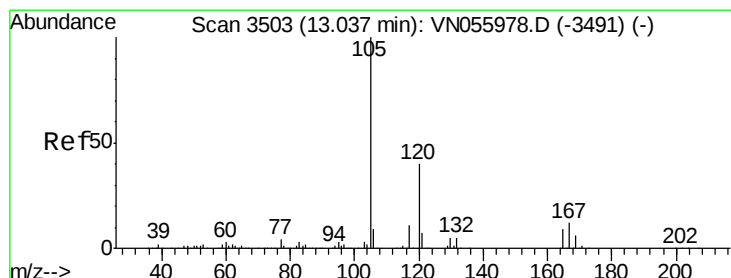
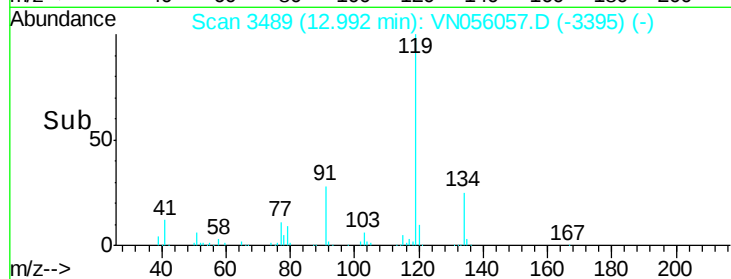
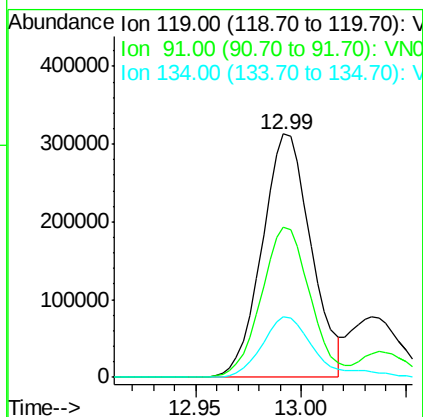
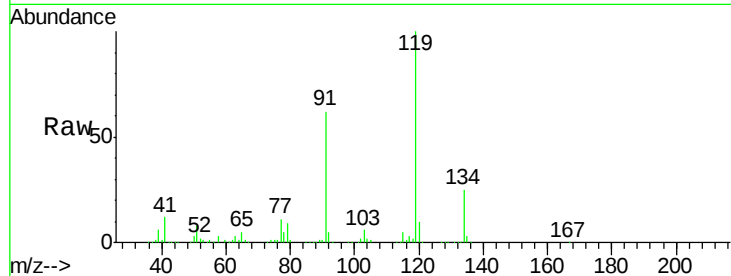
#83
 tert-Butylbenzene
 Concen: 53.444 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	506188		
91	61.3	30.9	92.8	
134	26.8	13.3	39.8	

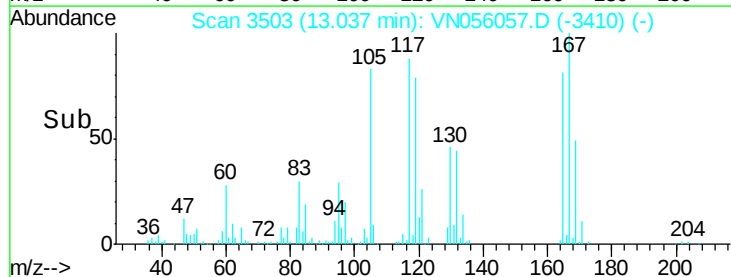
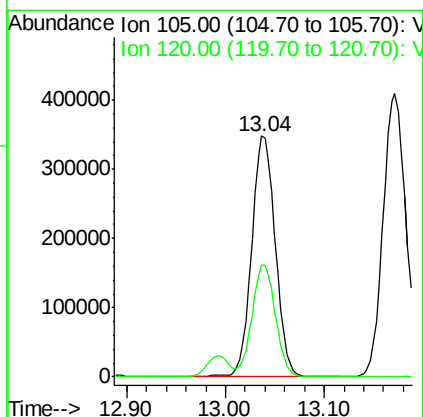
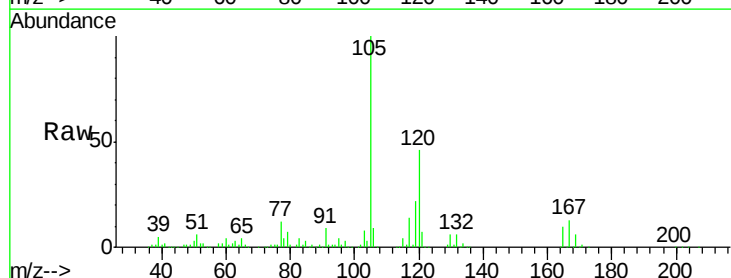
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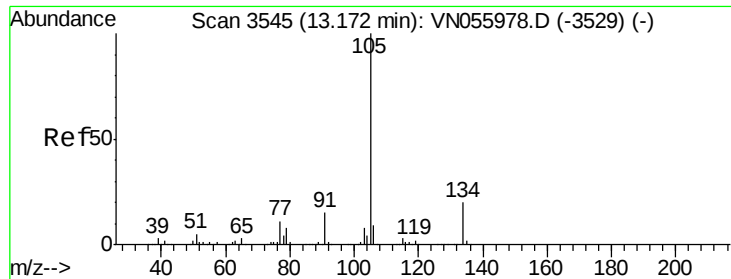
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.192 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571450		
120	46.3	23.0	69.0	





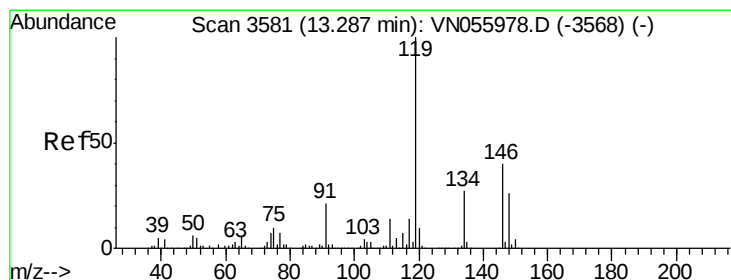
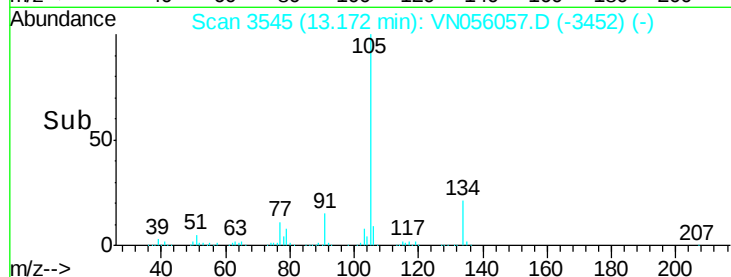
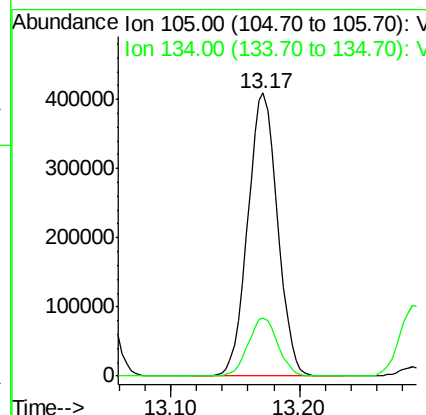
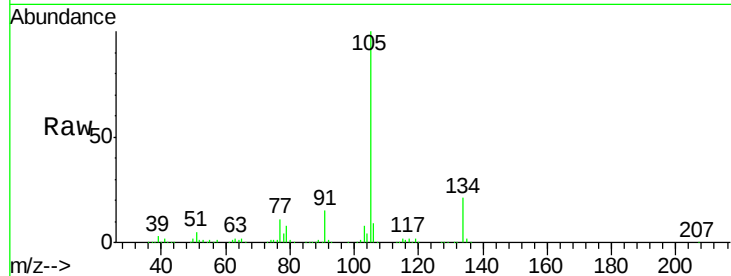
#85
 sec-Butylbenzene
 Concen: 48.159 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.2

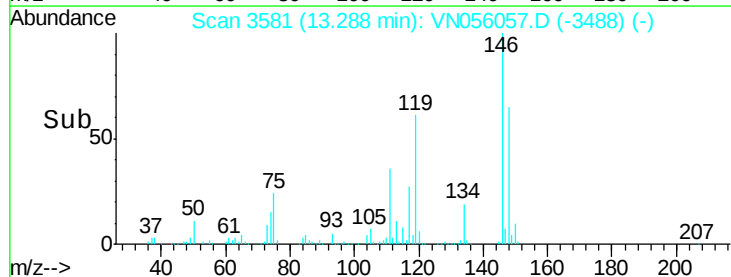
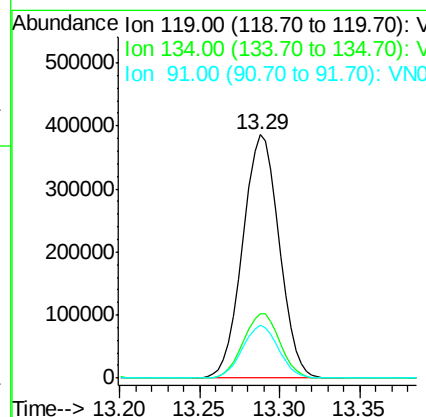
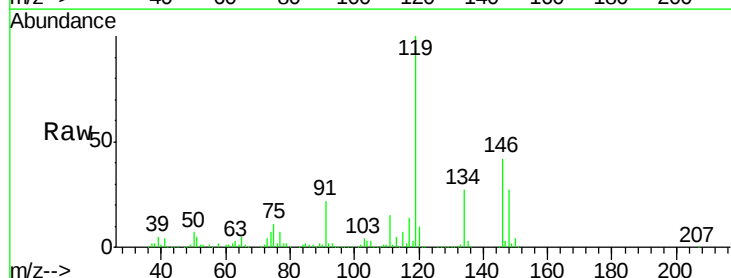
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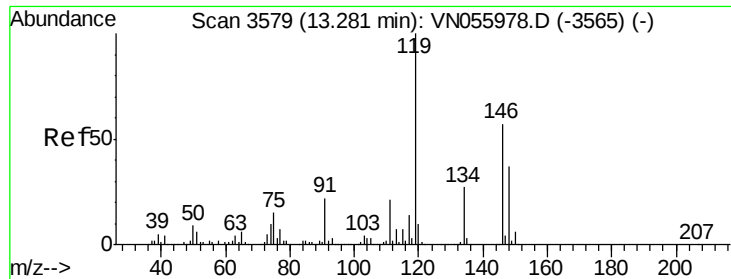
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#86
 p-Isopropyltoluene
 Concen: 49.017 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	21.4	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 49.871 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

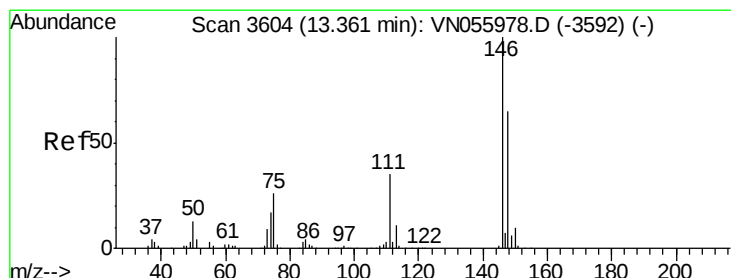
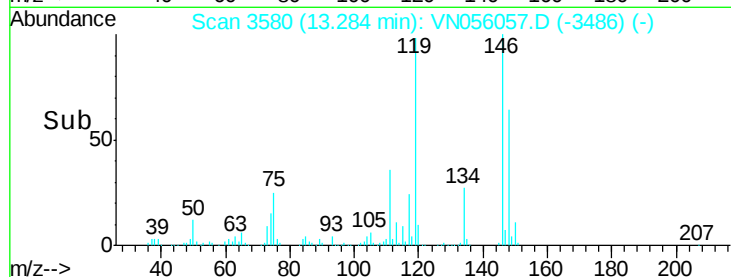
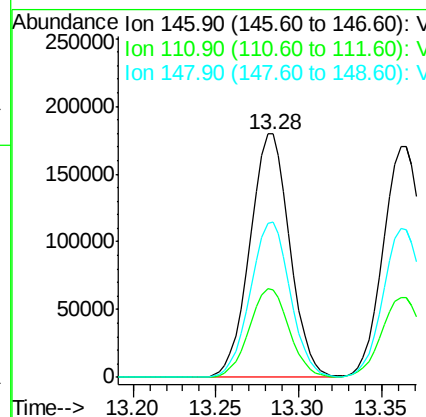
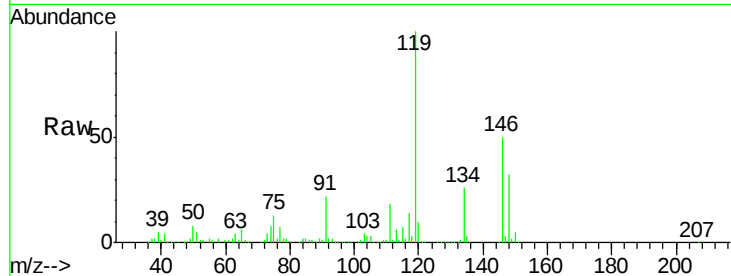
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	301084
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.5	55.5
148	64.1	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 49.781 ug/l

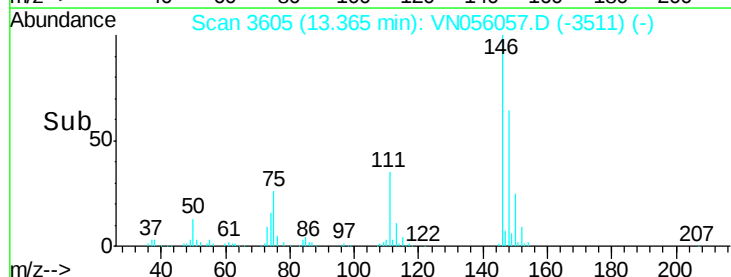
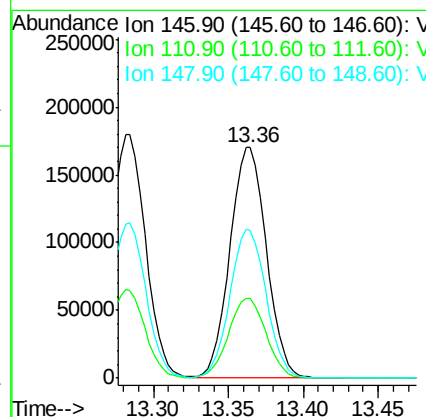
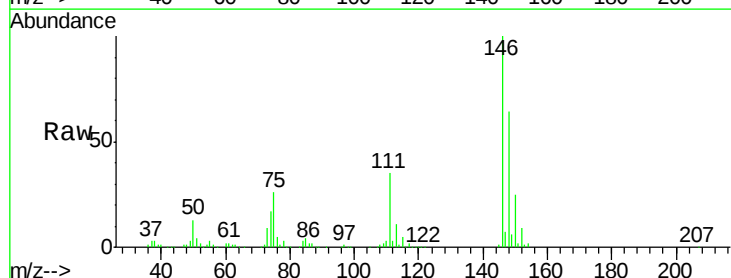
RT: 13.36 min Scan# 3605

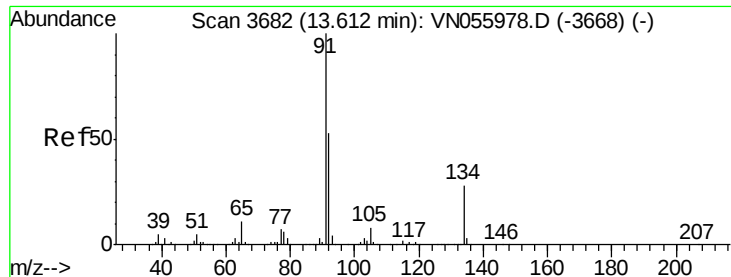
Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	146	Resp:	289107
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.1	54.4
148	64.1	32.1	96.5





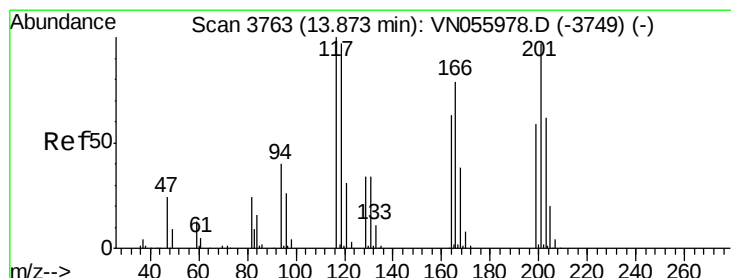
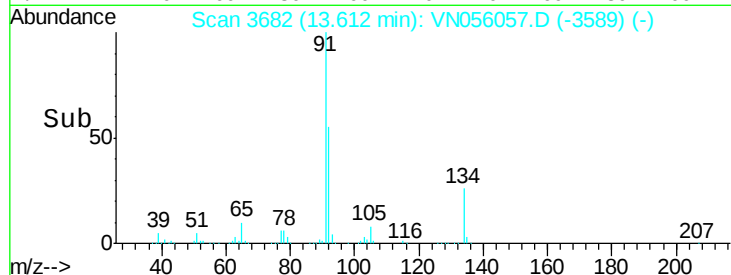
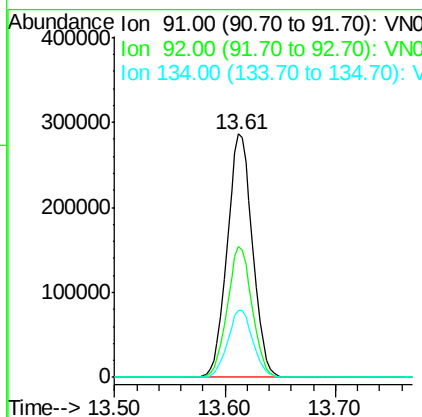
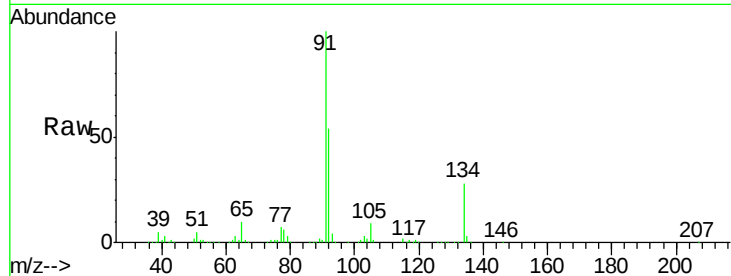
#89
n-Butylbenzene
Concen: 50.153 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	27.5	13.9	41.7

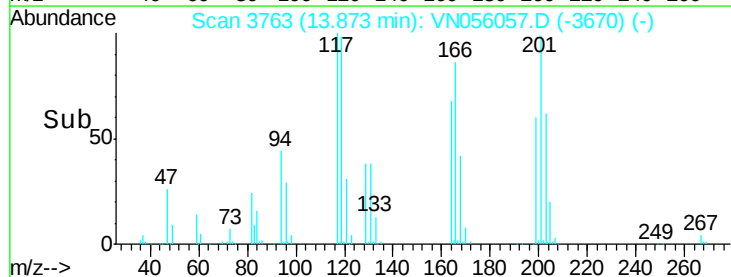
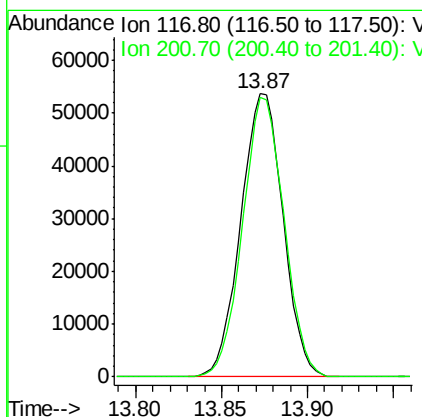
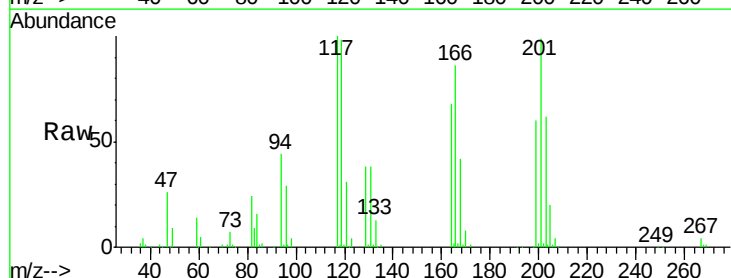
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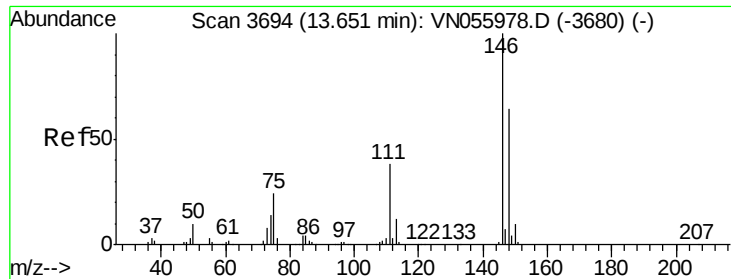
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#90
Hexachloroethane
Concen: 49.609 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	50.0	150.0





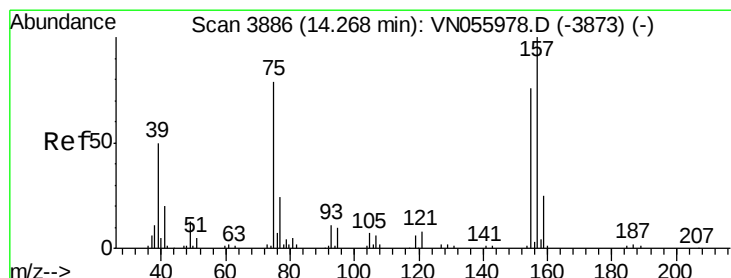
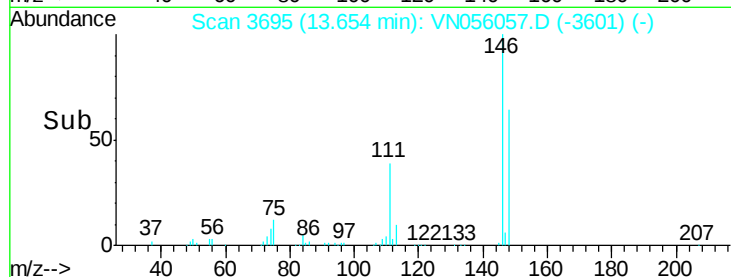
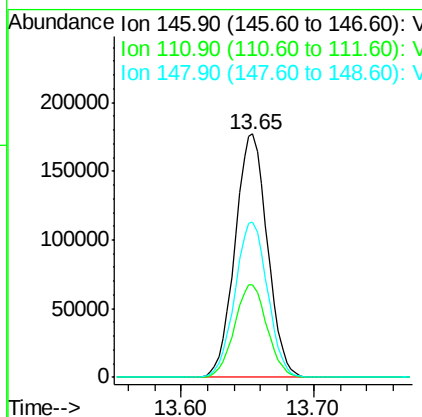
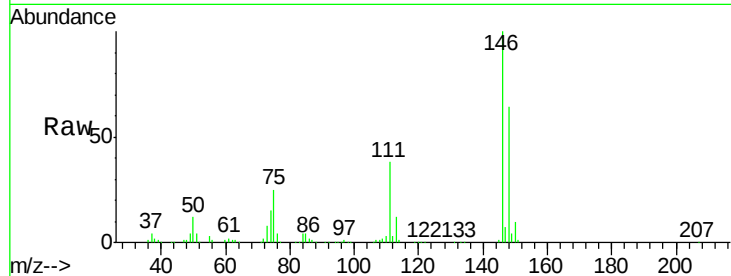
#91
 1,2-Dichlorobenzene
 Concen: 49.165 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.2	31.9	95.9

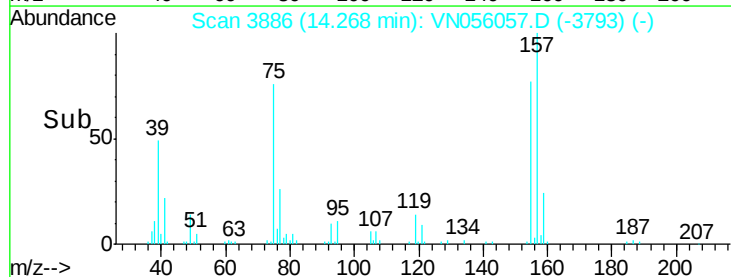
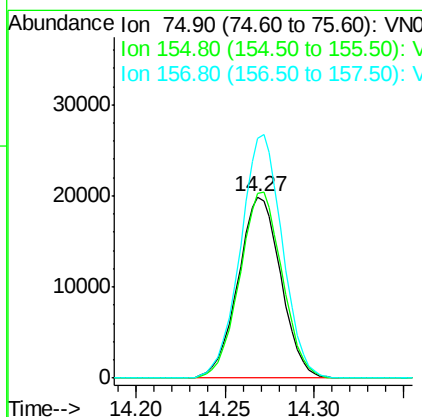
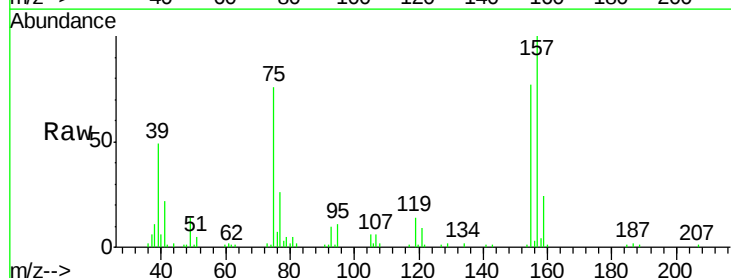
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.052 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	50.0	150.1
157	132.0	64.8	194.3





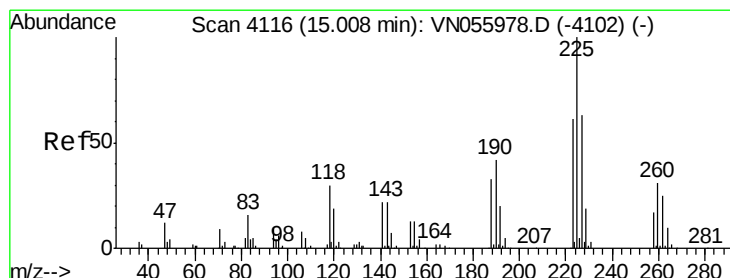
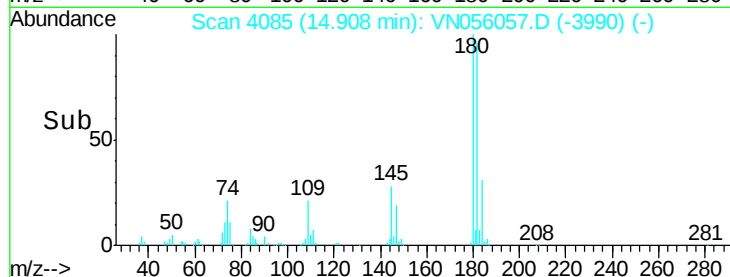
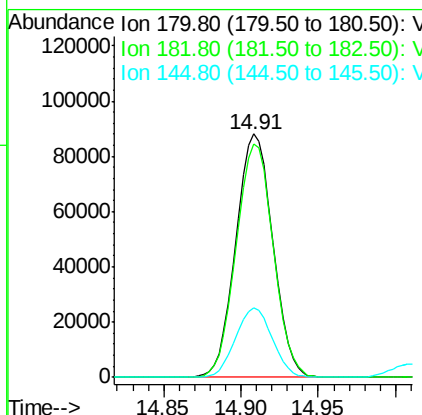
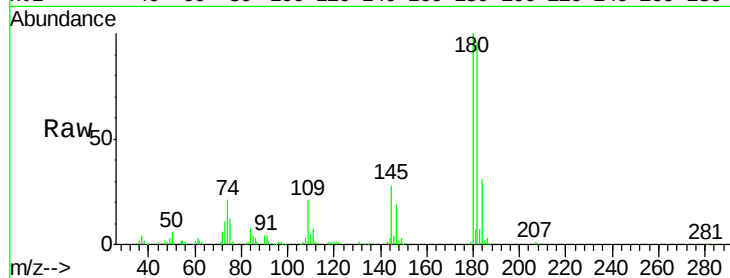
#93
 1,2,4-Trichlorobenzene
 Concen: 44.139 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	146420
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.3	144.9
145	28.3	14.0	41.9

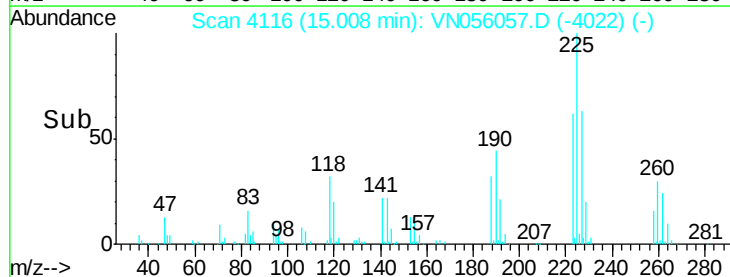
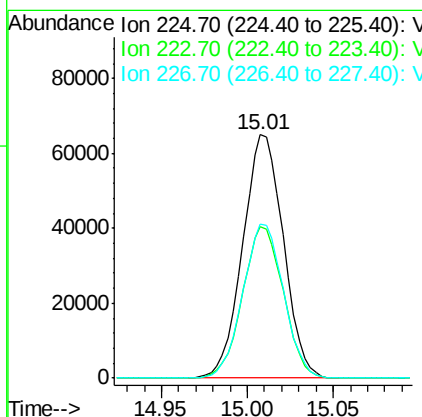
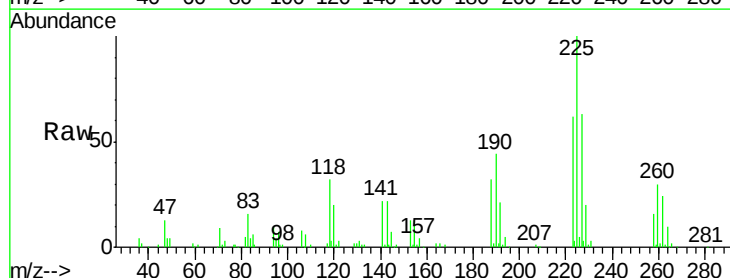
Manual Integrations
 APPROVED

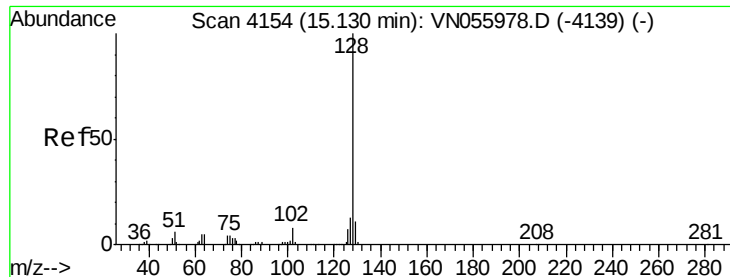
MMDadoda
 6/7/2019 9:37:10 AM



#94
 Hexachlorobutadiene
 Concen: 51.003 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion:	225	Resp:	106536
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.9	92.7
227	63.5	31.6	94.7





#95

Naphthalene

Concen: 47.856 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

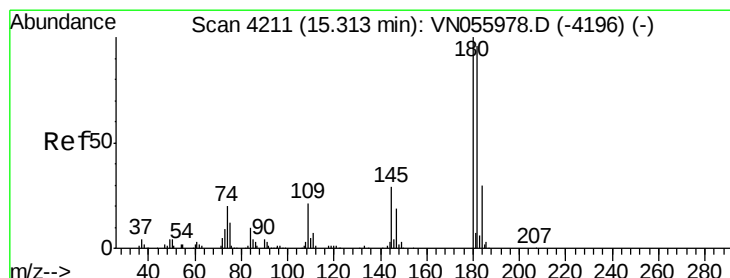
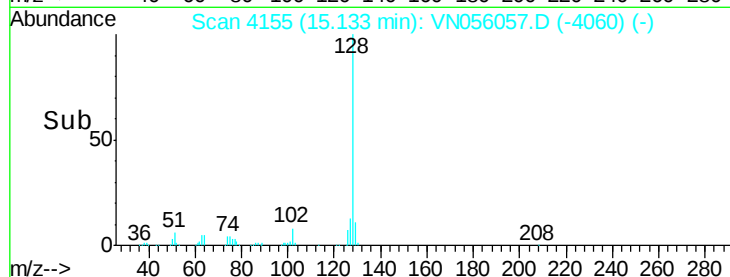
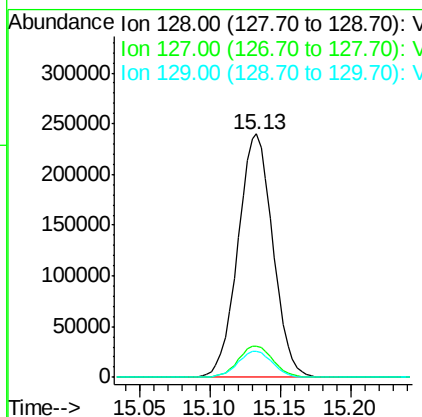
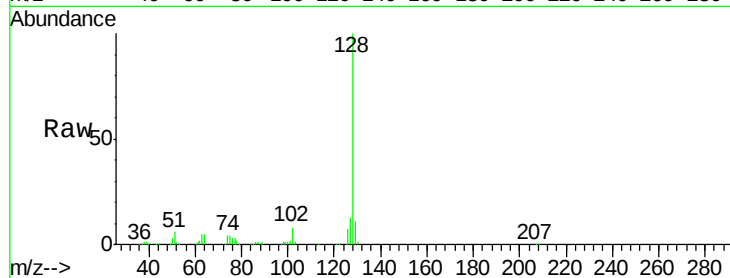
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	415476
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:37:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.593 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion:	180	Resp:	162384
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	29.5	14.9	44.7

