

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033667.D
 Acq On : 6 May 2019 20:27
 Operator : SY/AP
 Sample : K2241-13 0.1PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:10:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	910781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2220289	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2158869	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1848642	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	25967	0.122	ppbv 93
3) Chlorodifluoromethane	3.01	51	16204	0.123	ppbv 94
4) Chloromethane	3.17	50	7934	0.116	ppbv # 78
5) Vinyl Chloride	3.29	62	7272	0.109	ppbv # 81
6) Bromomethane	3.51	94	2601	0.062	ppbv 82
7) Chloroethane	3.60	64	2454	0.102	ppbv 93
8) Dichlorotetrafluoroethane	3.22	85	18778	0.107	ppbv 91
9) Propene	3.03	41	2861	0.057	ppbv # 15
10) Heptane	8.24	43	1741	0.014	ppbv # 26
11) Trichlorofluoromethane	4.00	101	22199	0.111	ppbv # 81
12) 1,1,2-Trichlorotrifluoroet	4.55	101	15245	0.114	ppbv 95
13) Ethanol	3.67	45	1769	0.118	ppbv 76
14) Bromoethene	3.78	108	3177	0.060	ppbv # 7
15) Acetone	3.92	43	18693	0.138	ppbv 92
16) 1,3-Butadiene	3.37	39	5711	0.098	ppbv # 78
18) 1,1-Dichloroethene	4.35	96	5243	0.091	ppbv # 78
19) Isopropyl Alcohol	4.05	45	6765	0.081	ppbv # 91
20) Methylene Chloride	4.40	84	7472	0.145	ppbv # 66
21) Allvl Chloride	4.47	41	7233	0.088	ppbv 94
22) trans-1,2-Dichloroethene	4.96	96	6435	0.111	ppbv 91
23) Vinyl Acetate	5.15	43	2509	0.014	ppbv # 86
24) 1,1-Dichloroethane	5.08	63	7647	0.057	ppbv # 95
25) Ethyl Acetate	5.78	43	21802	0.099	ppbv 99
26) Hexane	5.77	57	8859	0.093	ppbv # 83
27) Carbon Disulfide	4.61	76	3647	0.028	ppbv # 1
28) Methyl tert-Butyl Ether	5.13	73	4625	0.029	ppbv # 54
29) Chloroform	5.84	83	18663	0.110	ppbv 98
30) Cyclohexane	7.24	84	1724	0.022	ppbv # 1
31) cis-1,2-Dichloroethene	5.64	61	6748	0.072	ppbv # 79
32) 1,1,1-Trichloroethane	6.62	97	9400	0.053	ppbv # 18
35) Carbon Tetrachloride	7.14	117	6426	0.035	ppbv 90
36) Benzene	6.99	78	7234	0.036	ppbv 95
37) 1,2-Dichloroethane	6.41	62	13277	0.096	ppbv 98
38) Trichloroethene	7.95	130	3225	0.044	ppbv # 23
39) 1,2-Dichloropropane	7.28	63	584081	7.872	ppbv # 23
42) Bromodichloromethane	7.91	83	10486	0.058	ppbv # 94
43) Methyl Methacrylate	8.13	69	885	0.012	ppbv # 1
44) 2,2,4-Trimethylpentane	7.98	57	11480	0.034	ppbv # 19
45) t-1,3-Dichloropropene	9.41	75	3787	0.041	ppbv # 44
46) cis-1,3-Dichloropropene	8.82	75	2801	0.024	ppbv # 90
47) 1,1,2-Trichloroethane	9.61	97	6961	0.082	ppbv # 51

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
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 Acq On : 6 May 2019 20:27
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 Sample : K2241-13 0.1PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

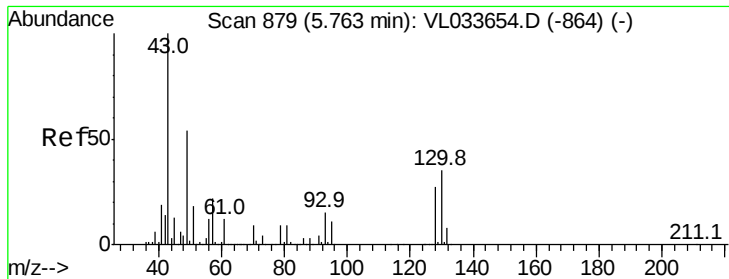
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:10:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	

48) Dibromochloromethane	10.44	129	2779	0.019	ppbv	#	1
49) Bromoform	13.18	173	3572	0.028	ppbv	#	27
52) Tetrachloroethene	11.36	164	2065	0.029	ppbv	#	61
53) Toluene	9.94	91	3653	0.017	ppbv	#	1
56) 1,1,1,2-Tetrachloroethane	12.28	131	1799	0.018	ppbv	#	1
57) Chlorobenzene	12.30	112	19325	0.109	ppbv	#	76
58) Ethyl Benzene	13.11	91	7669	0.027	ppbv	#	95
59) m/p-Xylene	13.14	91	5899	0.024	ppbv	#	31
60) o-Xylene	13.85	91	4698	0.019	ppbv	#	1
61) Styrene	13.69	104	5696	0.034	ppbv	#	67
62) Isopropylbenzene	14.82	105	22475	0.066	ppbv	#	73
63) 1,1,2,2-Tetrachloroethane	13.83	83	12553	0.069	ppbv	#	24
65) tert-Butylbenzene	16.91	119	4287	0.014	ppbv	#	1
66) Benzyl Chloride	17.15	91	9346	0.065	ppbv	#	71
67) sec-Butylbenzene	17.45	105	18307	0.042	ppbv	#	95
69) p-Isopropyltoluene	17.80	119	3791	0.010	ppbv	#	1
70) n-Butylbenzene	18.70	91	6388	0.017	ppbv	#	34
71) 2-Chlorotoluene	15.61	91	8012	0.032	ppbv	#	41
72) 4-Ethyltoluene	15.99	105	8802	0.030	ppbv	#	76
73) 1,3,5-Trimethylbenzene	16.15	105	11310	0.040	ppbv	#	74
74) 1,2,4-Trimethylbenzene	16.92	105	7971	0.025	ppbv	#	80
75) 1,3-Dichlorobenzene	17.16	146	10313	0.054	ppbv	#	24
76) 1,4-Dichlorobenzene	17.30	146	7146	0.039	ppbv	#	24
77) 1,2-Dichlorobenzene	17.98	146	5785	0.033	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.54	225	14162	0.101	ppbv	#	72
79) Naphthalene	22.41	128	7060	0.024	ppbv	#	77
80) Naphthalene,2-methyl-	25.13	142	4771	0.044	ppbv	#	97
81) 1,2,4-Trichlorobenzene	22.13	180	2881	0.017	ppbv	#	1

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

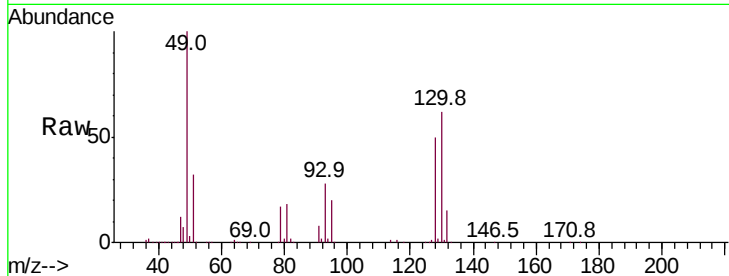


#1

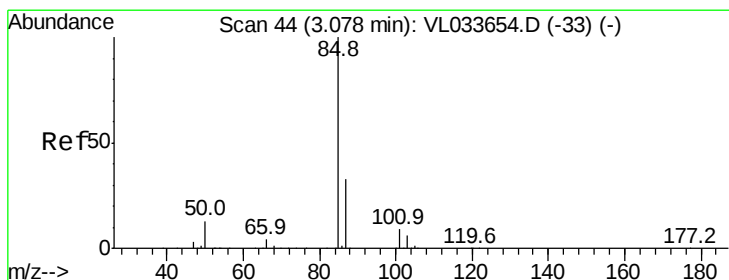
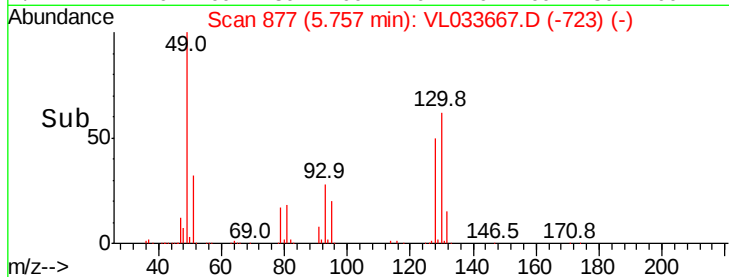
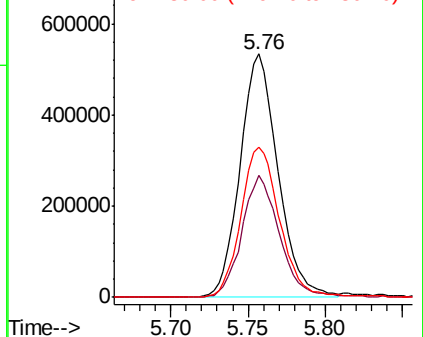
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 49 Resp: 910781
 Ion Ratio Lower Upper
 49 100
 128 49.4 24.8 74.3
 130 63.7 32.1 96.5



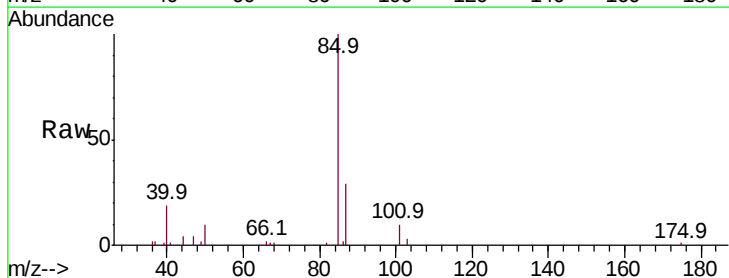
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



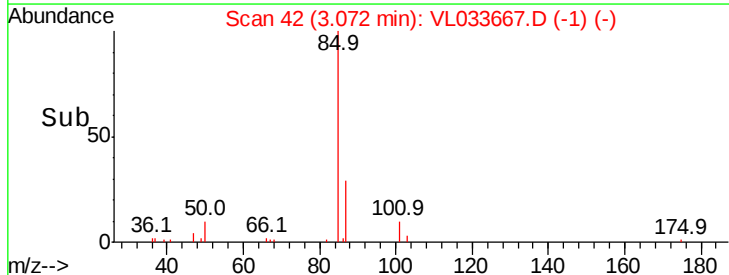
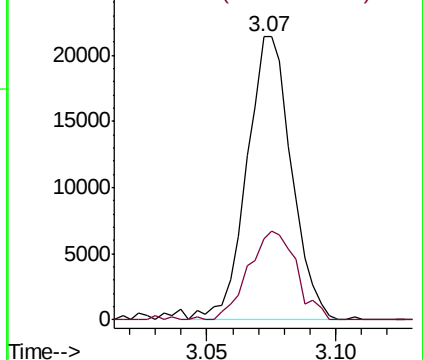
#2

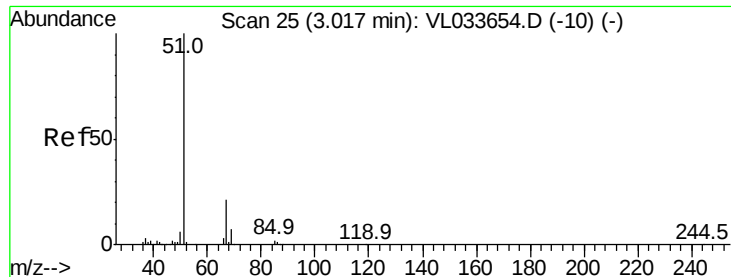
Dichlorodifluoromethane
 Concen: 0.122 ppbv
 RT: 3.07 min Scan# 42
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion: 85 Resp: 25967
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.123 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

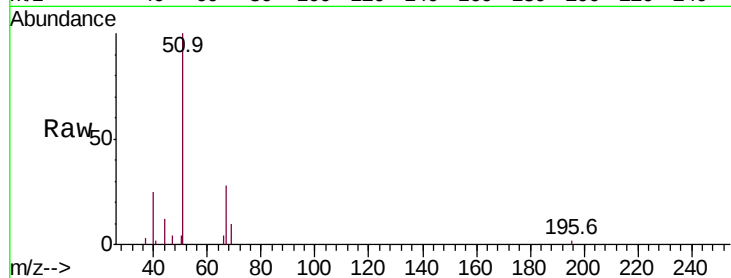
ClientSampleId :

Tot Ion: 51 Resp: 16204

Ion Ratio Lower Upper

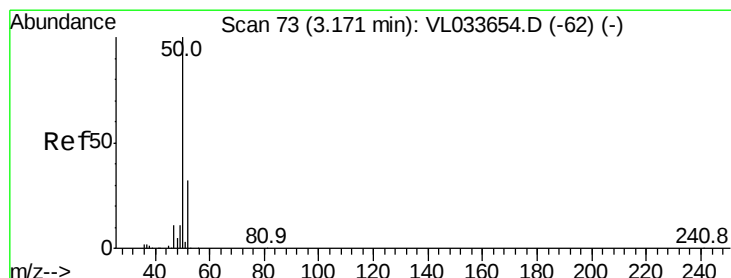
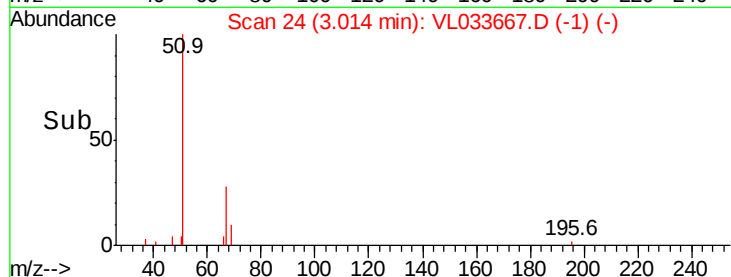
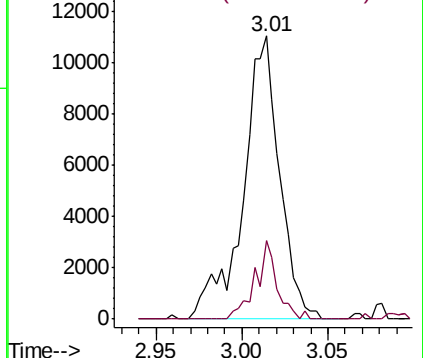
51 100

67 16.7 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.116 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033667.D

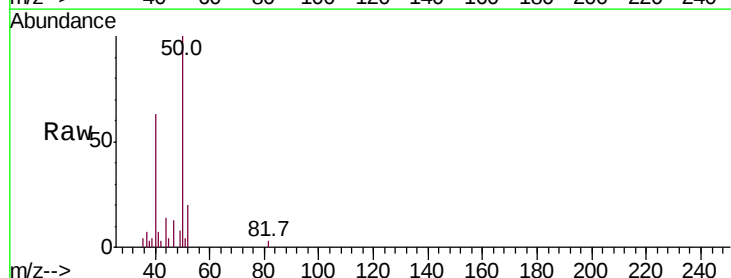
Acq: 6 May 2019 20:27

Tgt Ion: 50 Resp: 7934

Ion Ratio Lower Upper

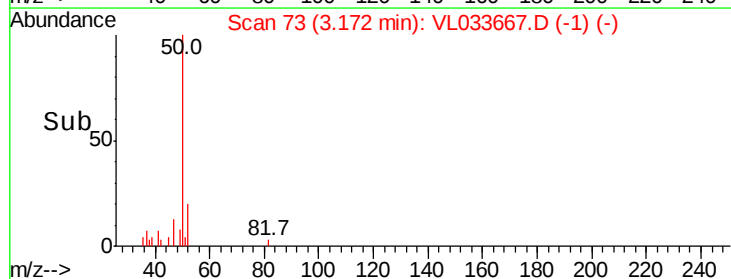
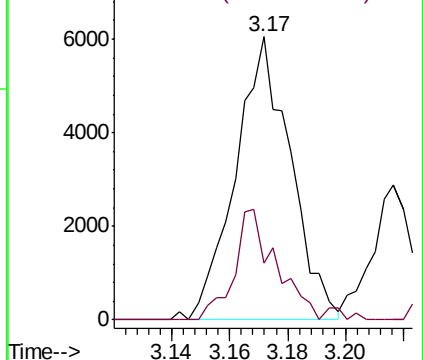
50 100

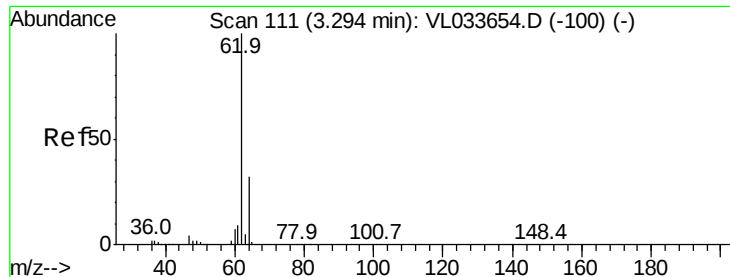
52 20.0 25.8 38.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.109 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

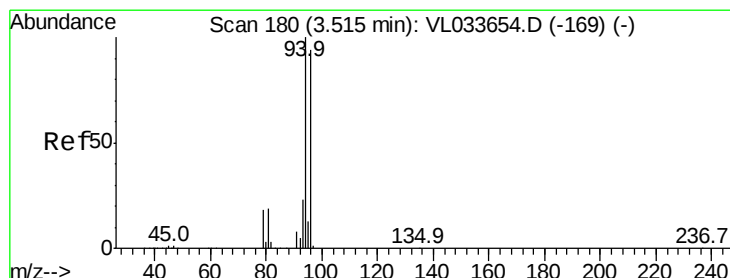
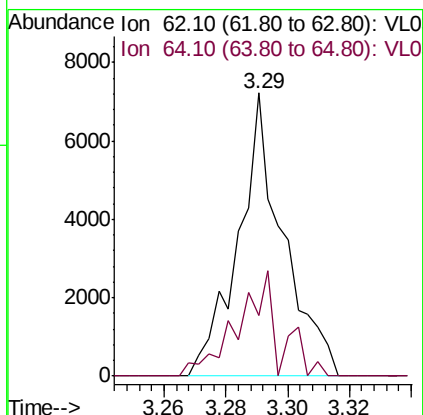
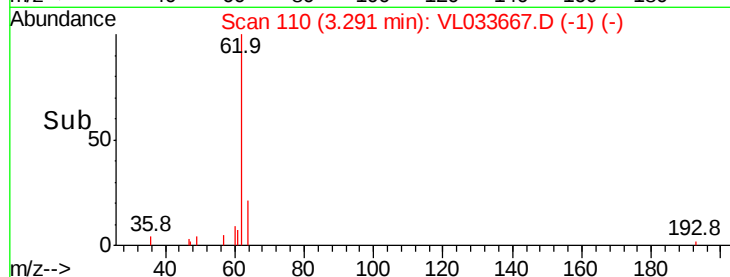
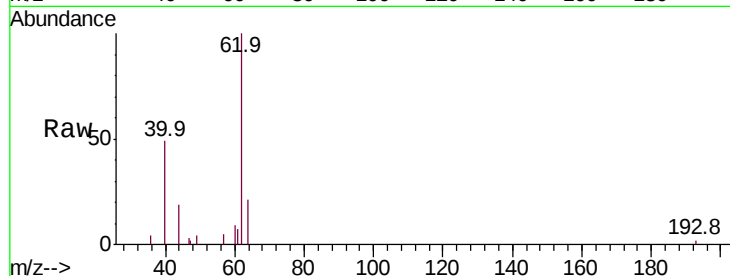
ClientSampled :

Tot Ion: 62 Resp: 7272

Ion Ratio Lower Upper

62 100

64 21.5 25.6 38.4#



#6

Bromomethane

Concen: 0.062 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033667.D

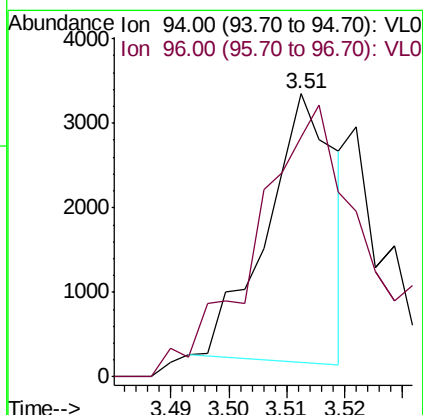
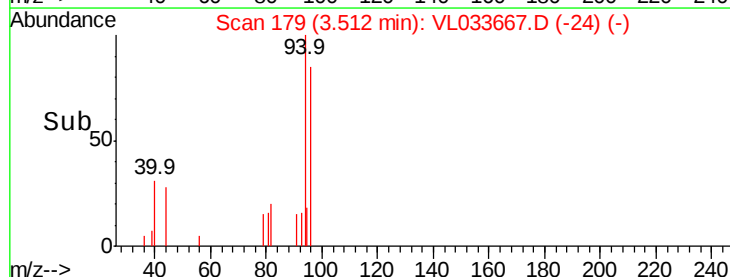
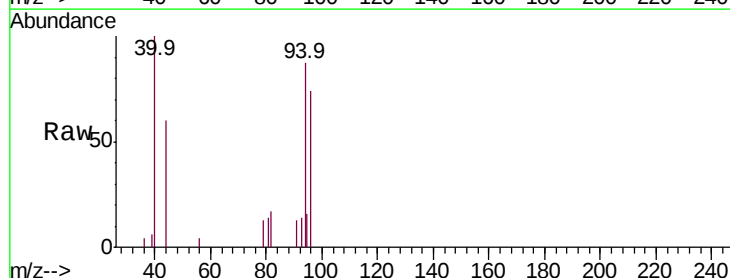
Acq: 6 May 2019 20:27

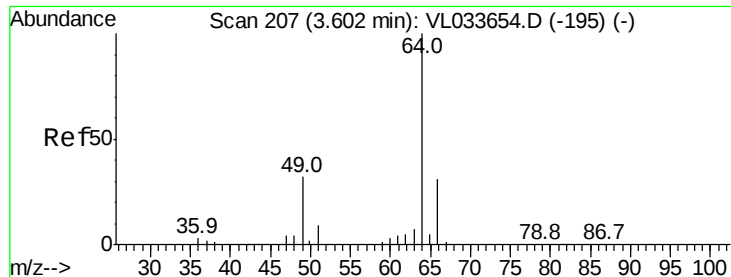
Tgt Ion: 94 Resp: 2601

Ion Ratio Lower Upper

94 100

96 76.2 75.2 112.8





#7

Chloroethane

Concen: 0.102 ppbv

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

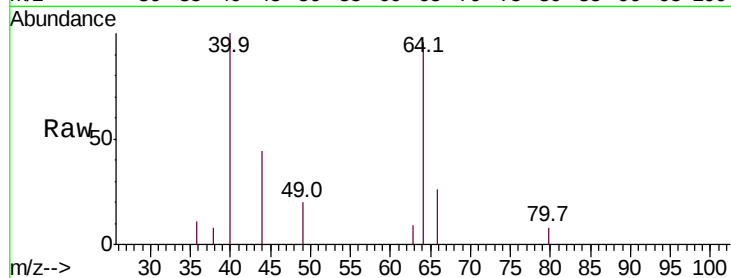
ClientSampled :

Tot Ion: 64 Resp: 2454

Ion Ratio Lower Upper

64 100

66 27.3 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3000

2500

2000

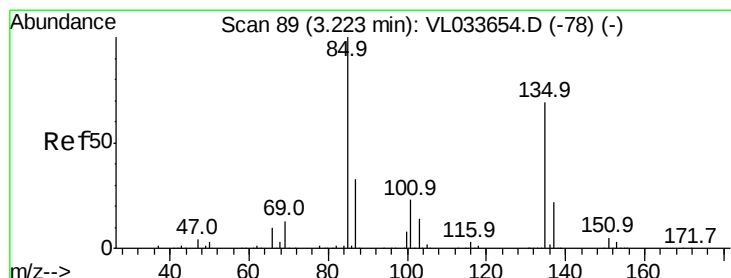
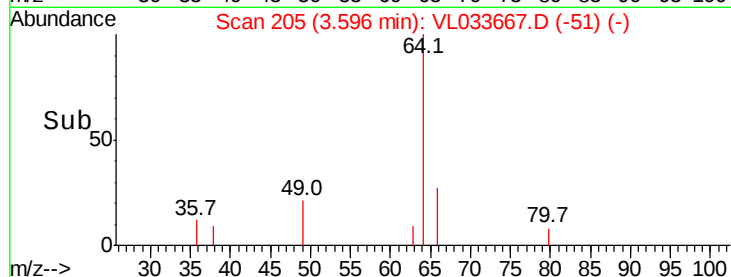
1500

1000

500

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.107 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033667.D

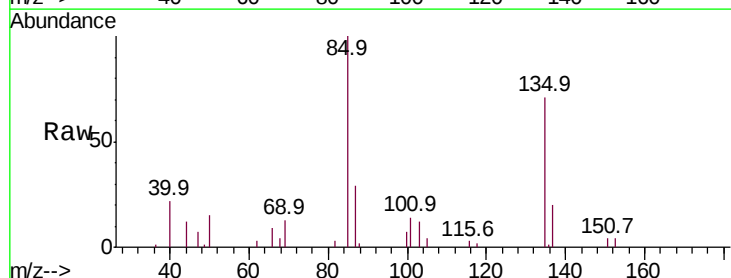
Acq: 6 May 2019 20:27

Tgt Ion: 85 Resp: 18778

Ion Ratio Lower Upper

85 100

135 75.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

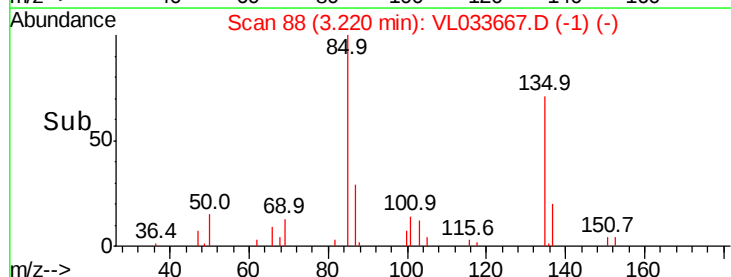
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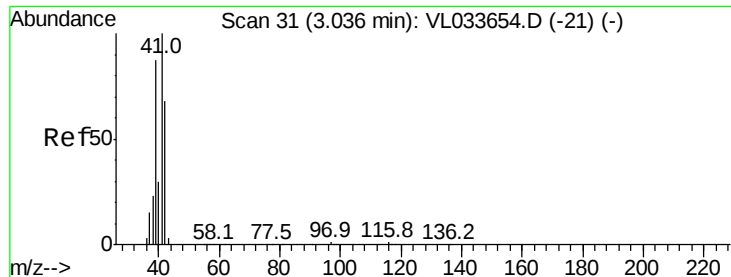
10000

5000

0

Time-->





#9

Propene

Concen: 0.057 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

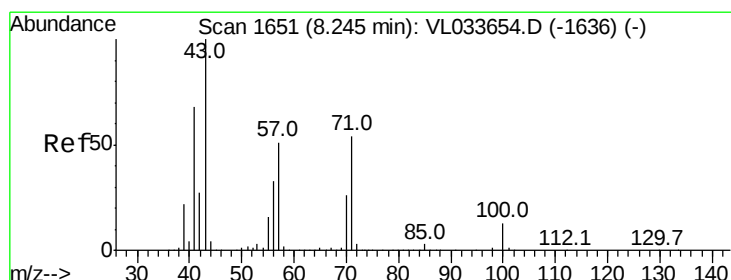
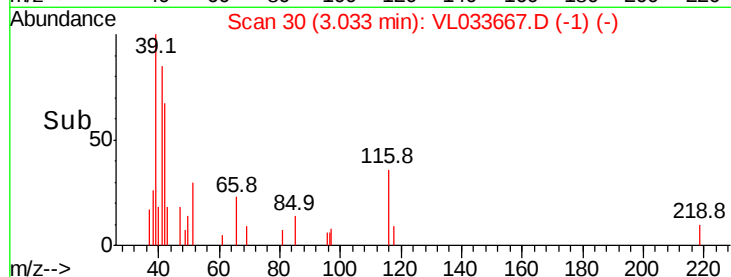
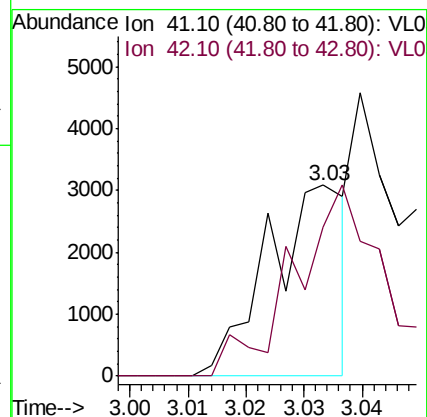
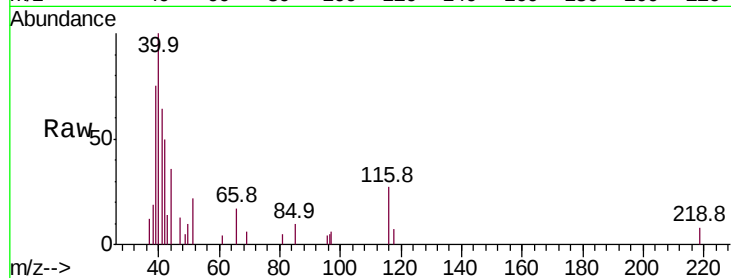
ClientSampleId :

Tot Ion: 41 Resp: 2861

Ion Ratio Lower Upper

41 100

42 0.0 55.6 83.4#



#10

Heptane

Concen: 0.014 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033667.D

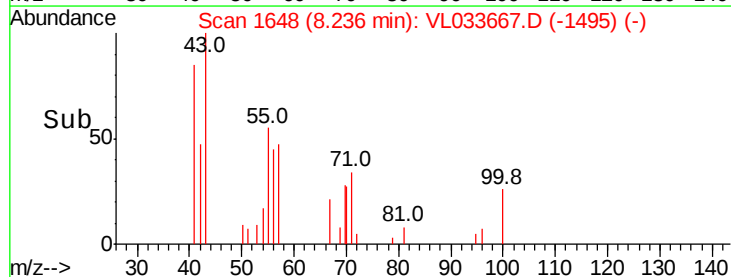
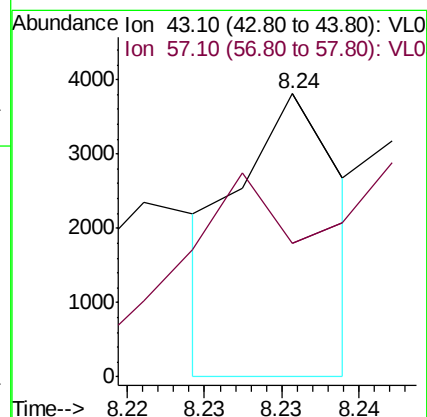
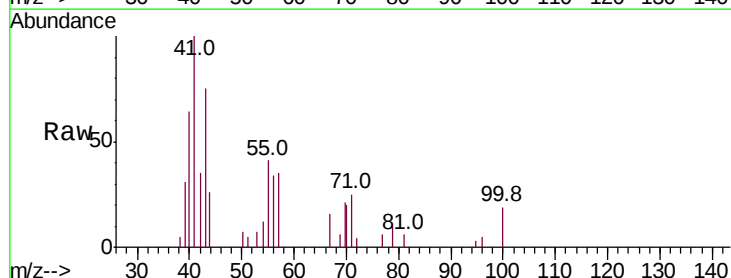
Acq: 6 May 2019 20:27

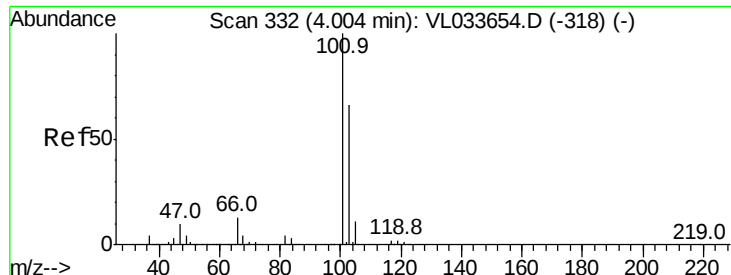
Tgt Ion: 43 Resp: 1741

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.6#

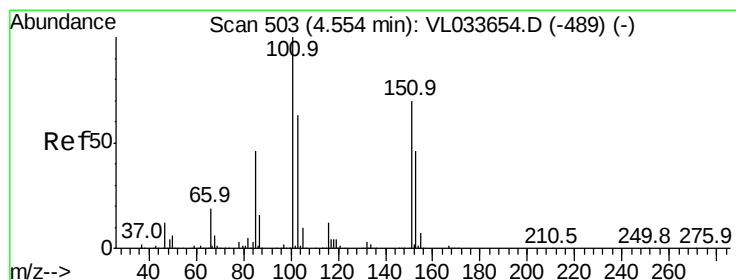
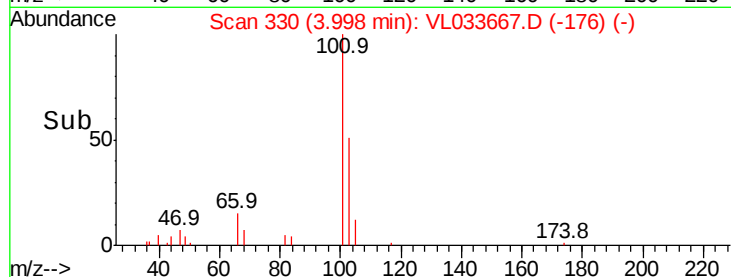
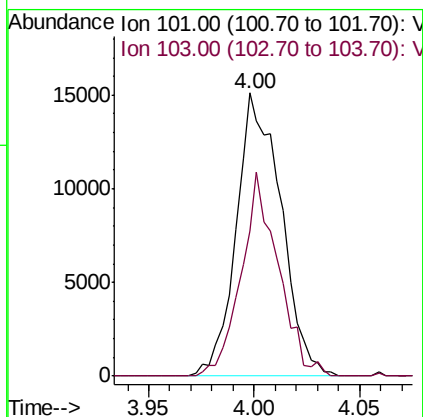
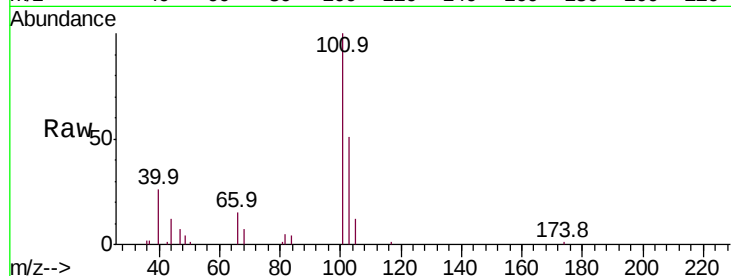




#11
 Trichlorofluoromethane
 Concen: 0.111 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

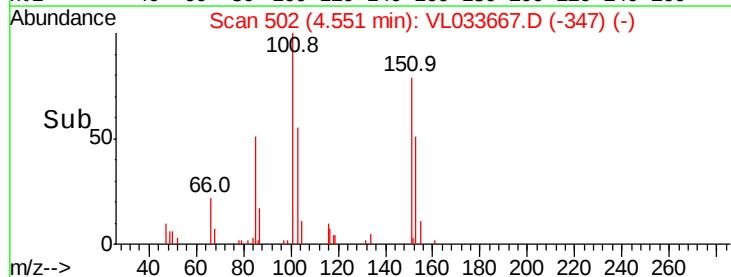
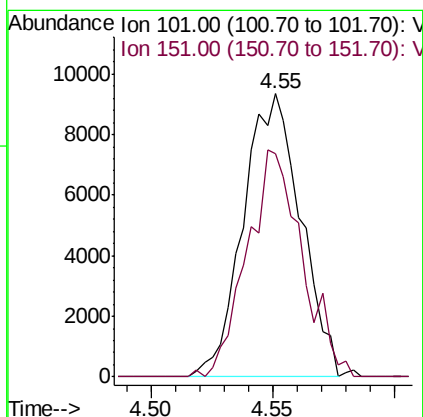
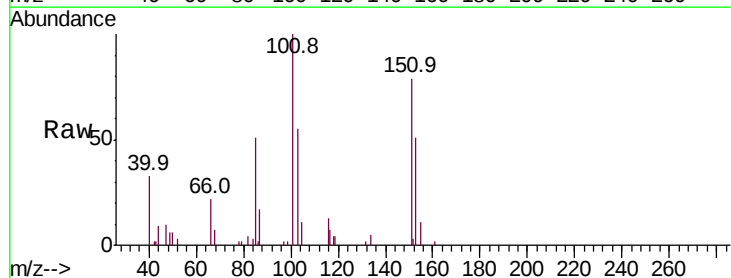
Instrument :
 MSVOA_L
 ClientSampleId :

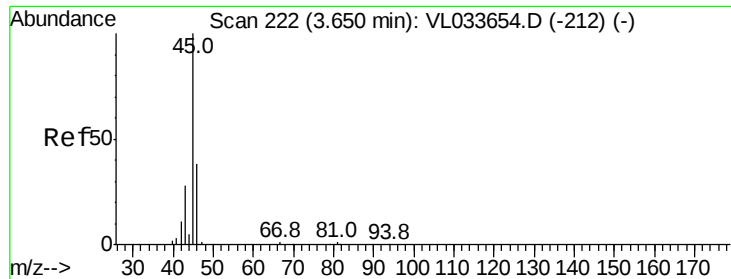
Tot Ion:101 Resp: 22199
 Ion Ratio Lower Upper
 101 100
 103 51.1 52.7 79.1#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.114 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion:101 Resp: 15245
 Ion Ratio Lower Upper
 101 100
 151 76.8 58.0 87.0





#13

Ethanol

Concen: 0.118 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

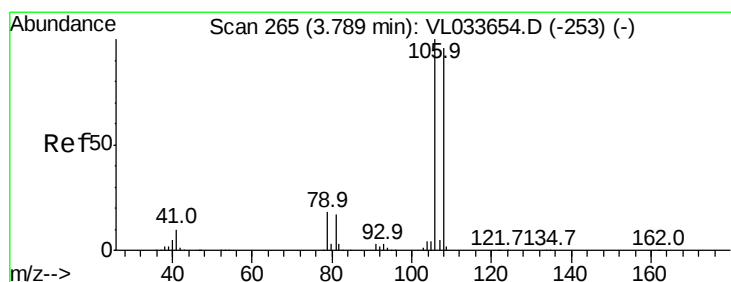
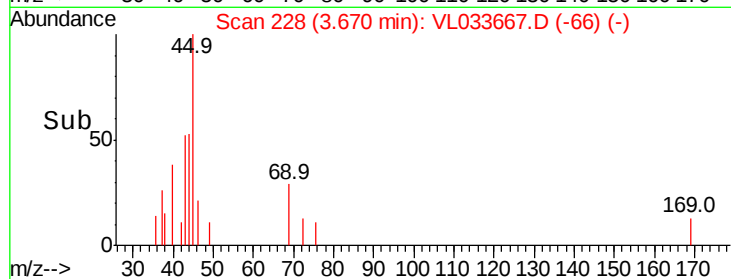
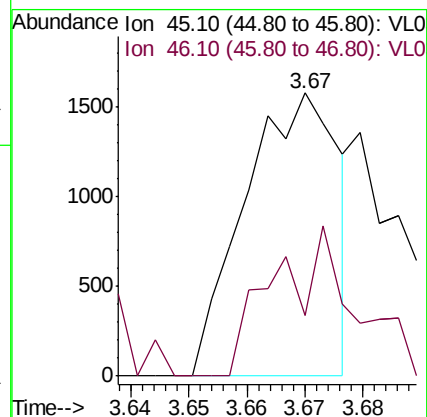
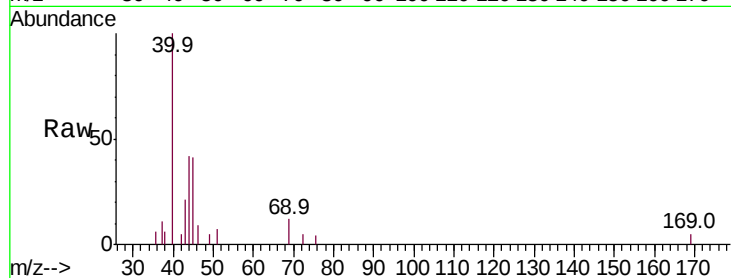
ClientSampleId :

Tot Ion: 45 Resp: 1769

Ion Ratio Lower Upper

45 100

46 51.8 14.9 59.7



#14

Bromoethene

Concen: 0.060 ppbv

RT: 3.78 min Scan# 263

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

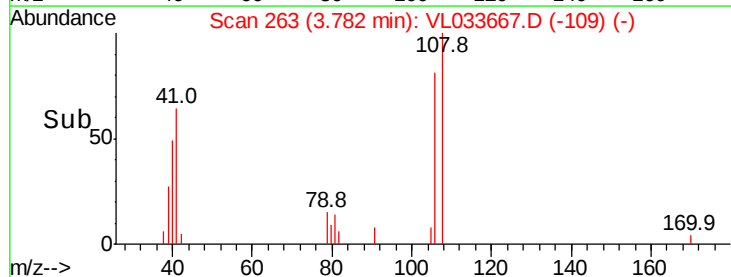
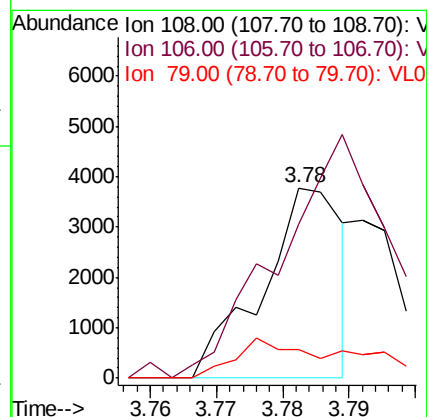
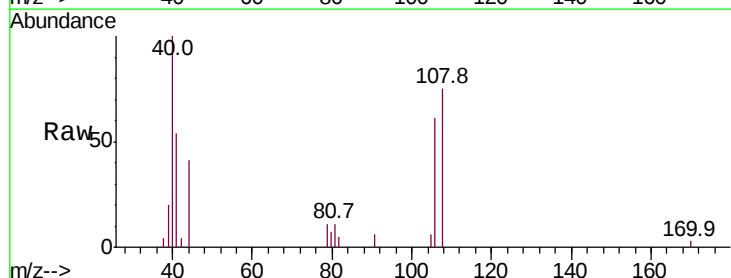
Tgt Ion: 108 Resp: 3177

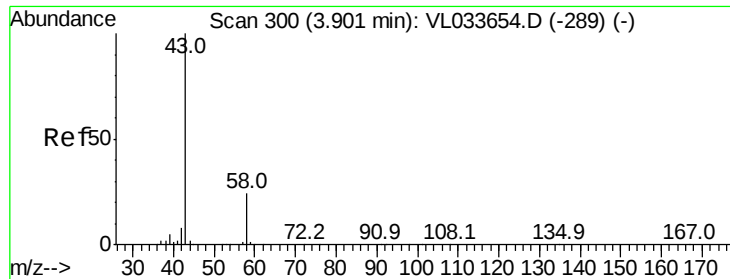
Ion Ratio Lower Upper

108 100

106 0.0 85.7 128.5#

79 36.9 15.2 22.8#





#15

Acetone

Concen: 0.138 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

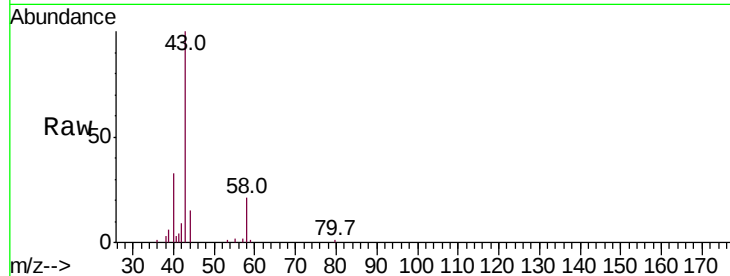
ClientSampleId :

Tot Ion: 43 Resp: 18693

Ion Ratio Lower Upper

43 100

58 30.0 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

15000

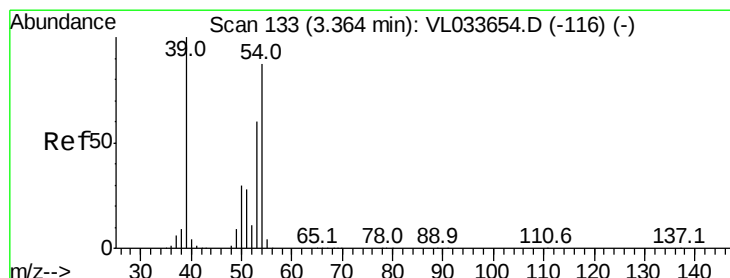
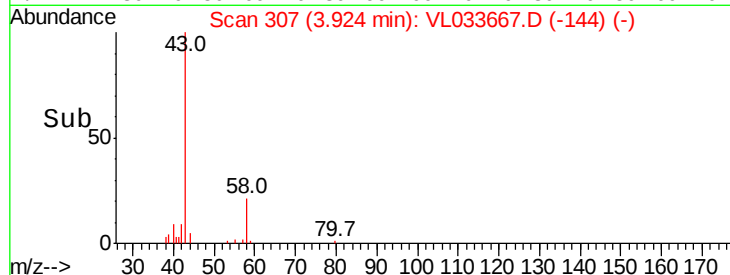
10000

5000

0

Time-->

3.88 3.90 3.92 3.94 3.96



#16

1,3-Butadiene

Concen: 0.098 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL033667.D

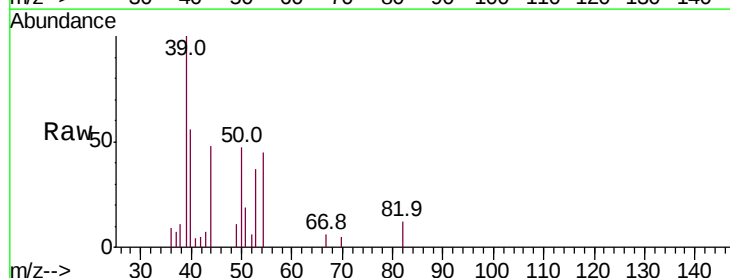
Acq: 6 May 2019 20:27

Tgt Ion: 39 Resp: 5711

Ion Ratio Lower Upper

39 100

54 63.9 67.0 100.4#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

4000

3000

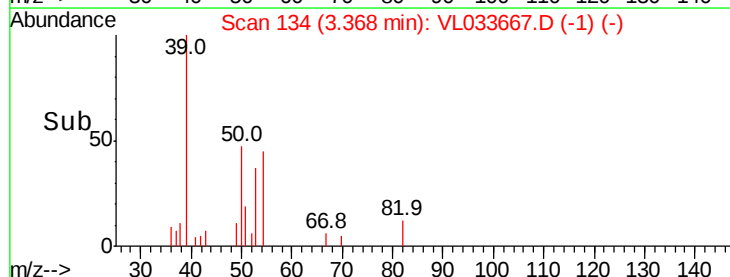
2000

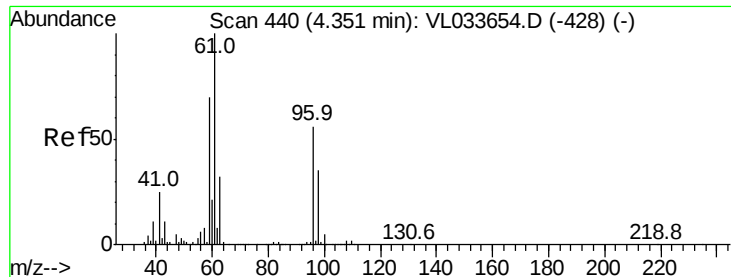
1000

0

Time-->

3.32 3.34 3.36 3.38 3.40





#18

1,1-Dichloroethene

Concen: 0.091 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

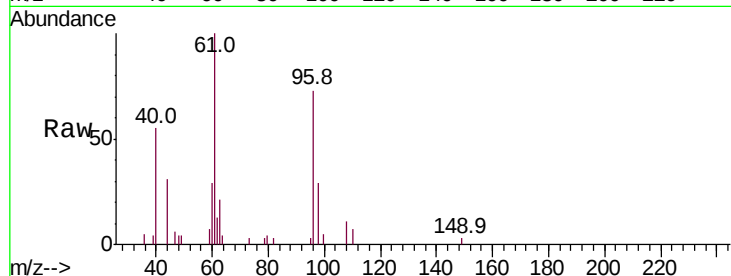
Tot Ion: 96 Resp: 5243

Ion Ratio Lower Upper

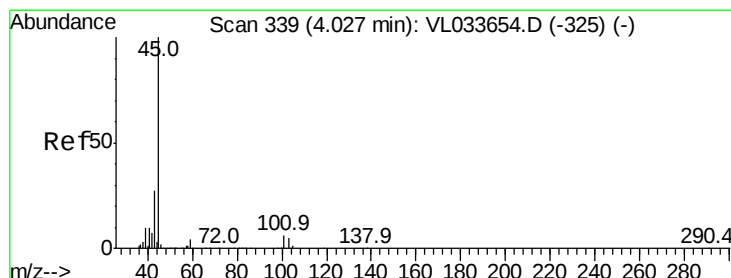
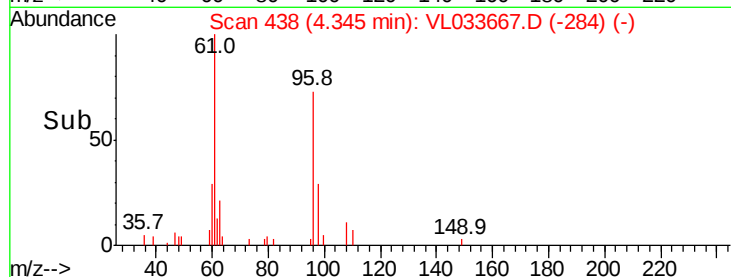
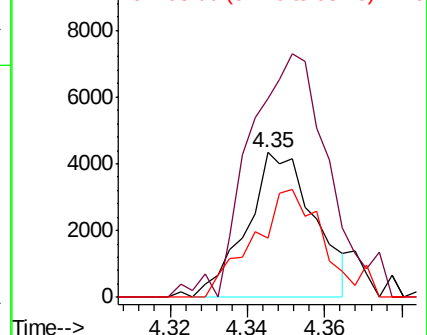
96 100

61 150.8 143.4 215.0

98 40.6 50.4 75.6#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.081 ppbv

RT: 4.05 min Scan# 347

Delta R.T. 0.03 min

Lab File: VL033667.D

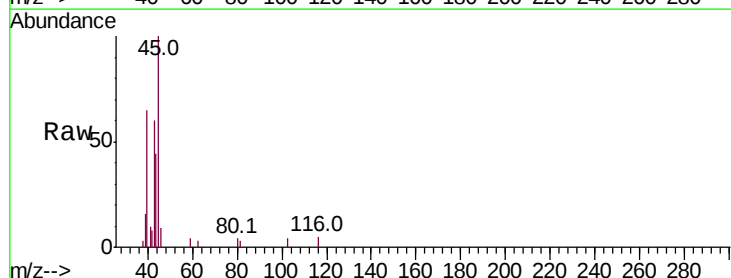
Acq: 6 May 2019 20:27

Tgt Ion: 45 Resp: 6765

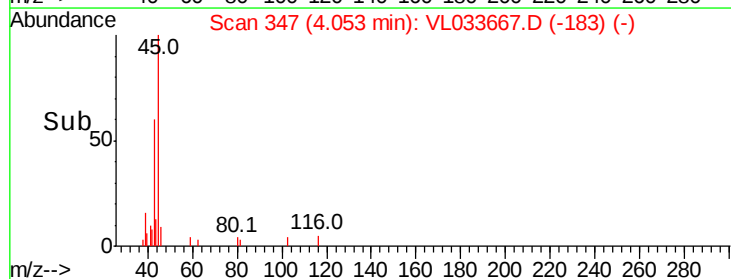
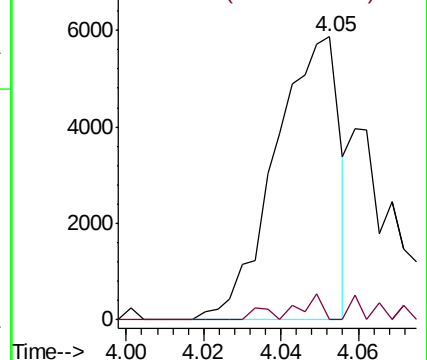
Ion Ratio Lower Upper

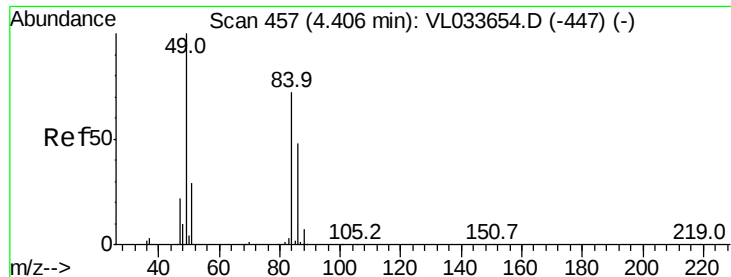
45 100

58 5.7 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.145 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

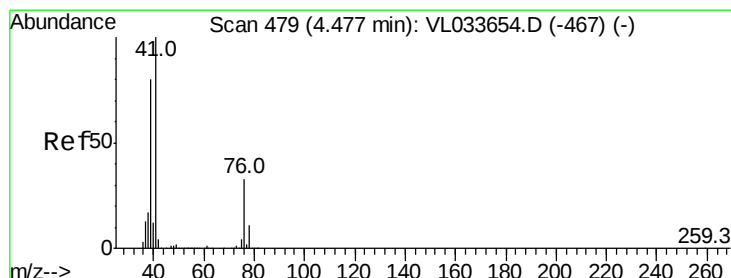
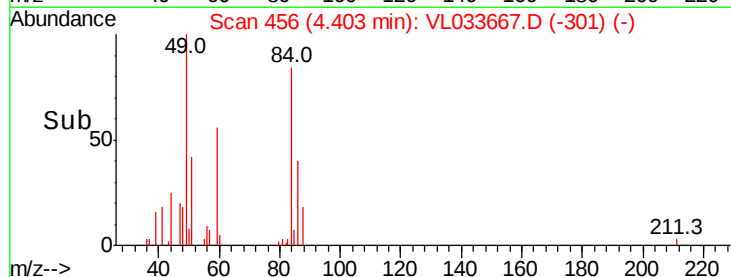
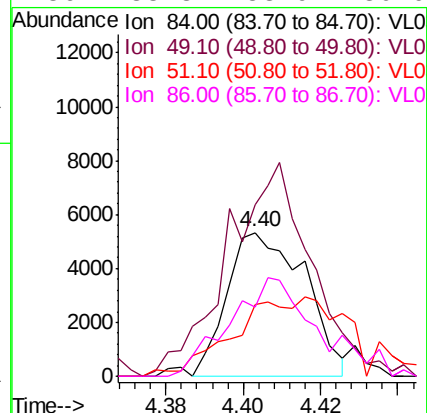
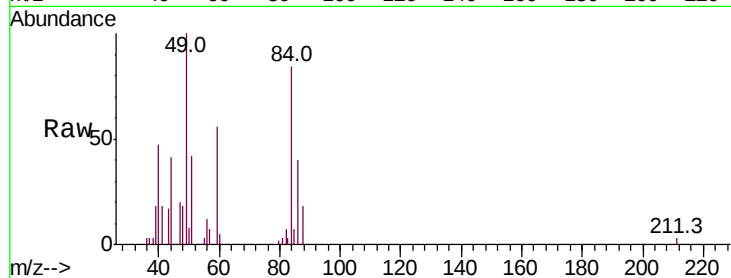
Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 7472

Ion	Ratio	Lower	Upper
84	100		
49	98.3	111.8	167.6#
51	29.9	32.3	48.5#
86	33.3	53.9	80.9#



#21

Allyl Chloride

Concen: 0.088 ppbv

RT: 4.47 min Scan# 478

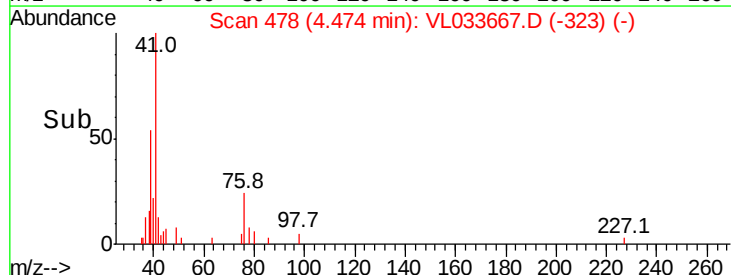
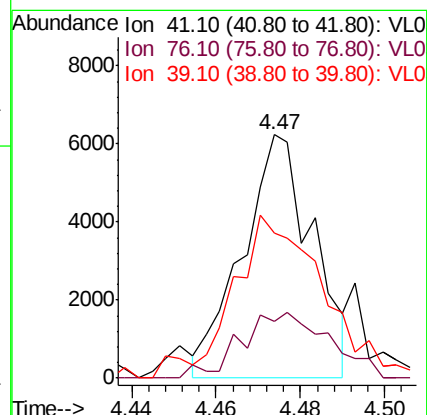
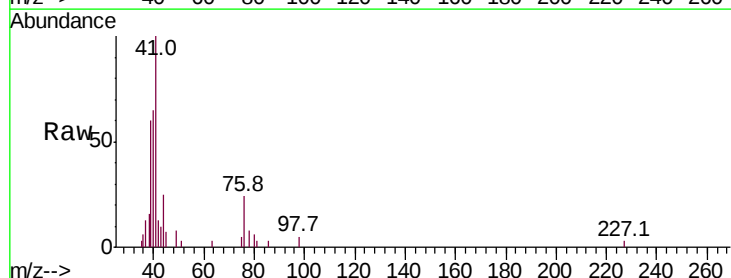
Delta R.T. -0.00 min

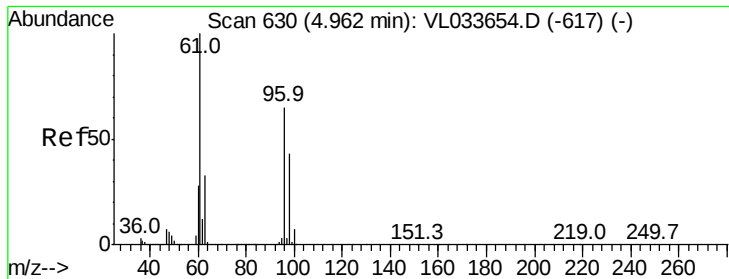
Lab File: VL033667.D

Acq: 6 May 2019 20:27

Tgt Ion: 41 Resp: 7233

Ion	Ratio	Lower	Upper
41	100		
76	33.9	26.0	39.0
39	87.5	64.4	96.6





#22

trans-1,2-Dichloroethene

Concen: 0.111 ppbv

RT: 4.96 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :
MSVOA_L
ClientSampleId :

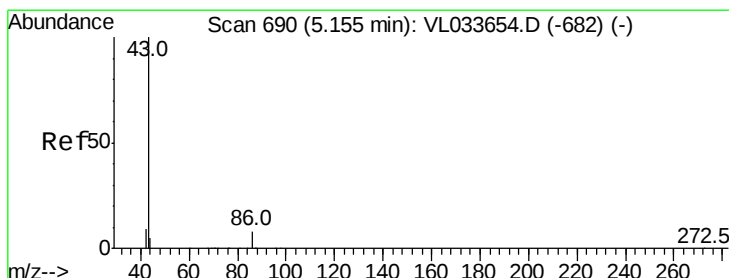
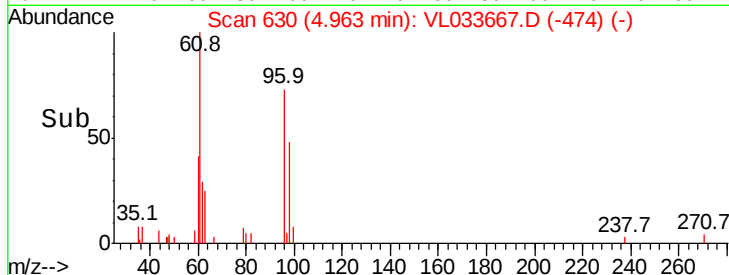
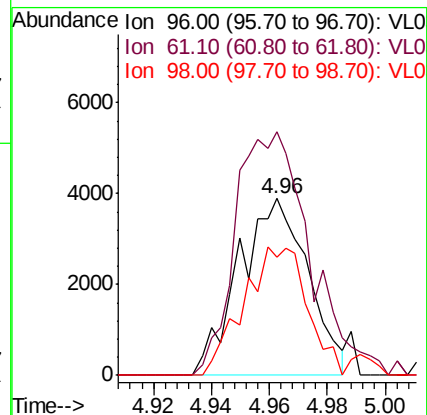
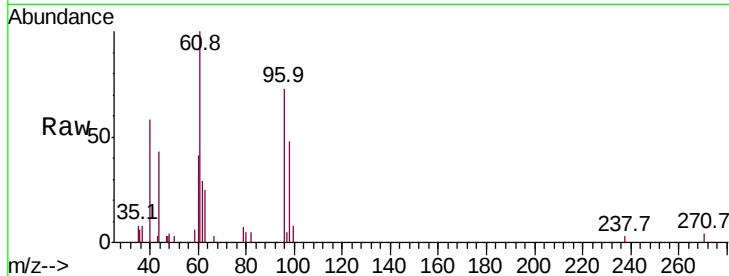
Tot Ion: 96 Resp: 6435

Ion Ratio Lower Upper

96 100

61 137.7 123.1 184.7

98 66.6 52.6 79.0



#23

Vinyl Acetate

Concen: 0.014 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Tgt Ion: 43 Resp: 2509

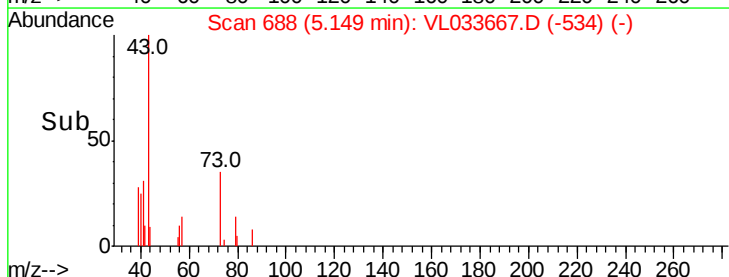
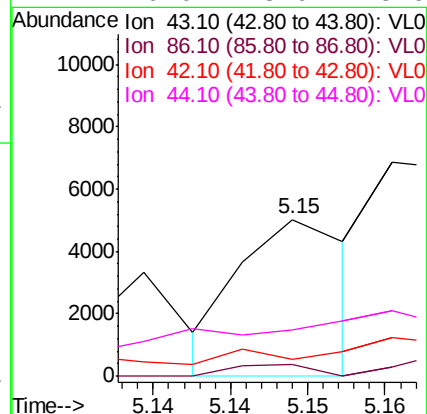
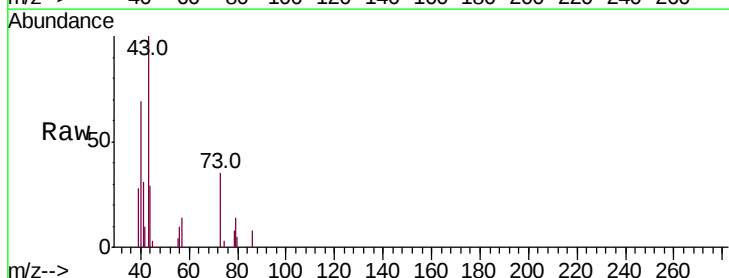
Ion Ratio Lower Upper

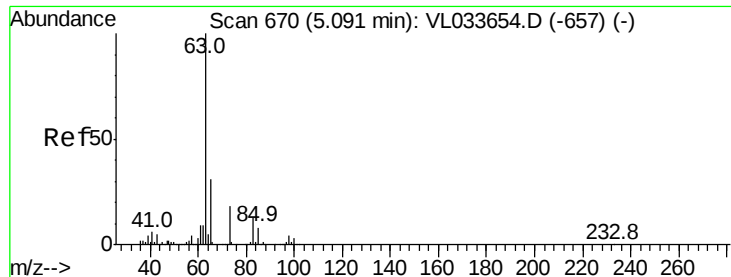
43 100

86 10.5 6.0 9.0#

42 3.9 8.0 12.0#

44 0.0 3.9 5.9#





#24

1,1-Dichloroethane

Concen: 0.057 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.01 min

Lab File: VL033667.D

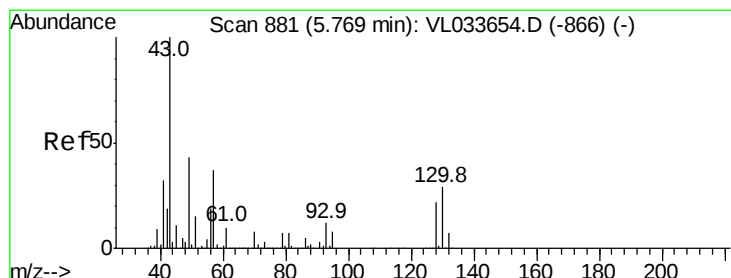
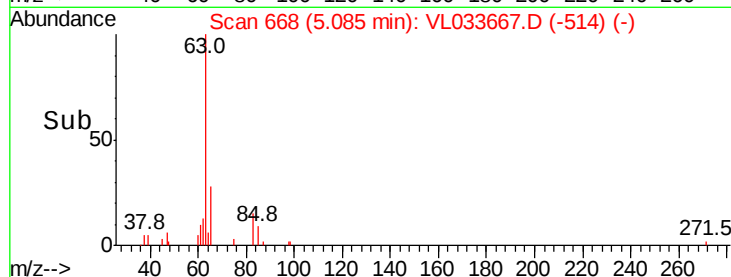
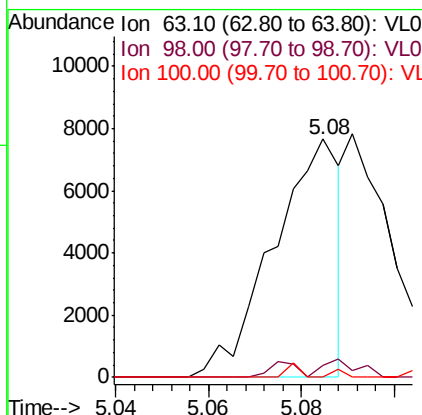
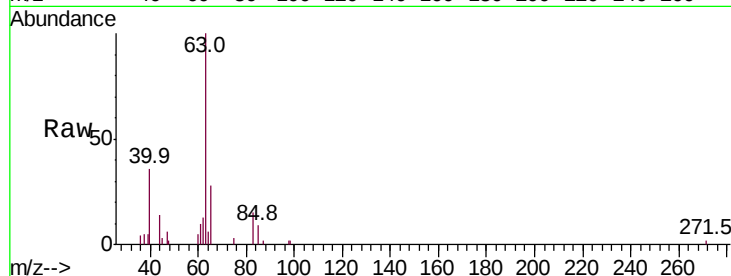
Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	7647
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	0.0	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.099 ppbv

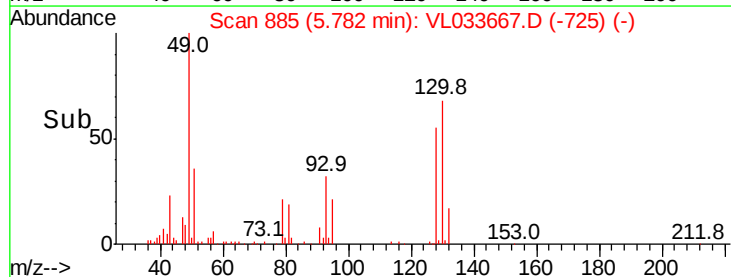
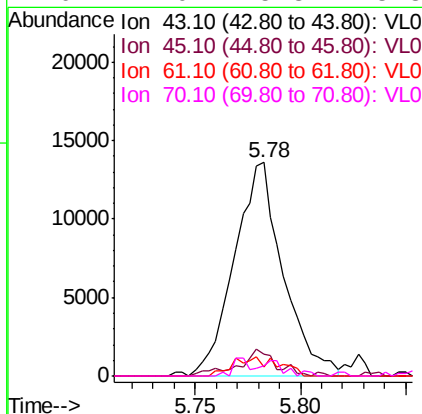
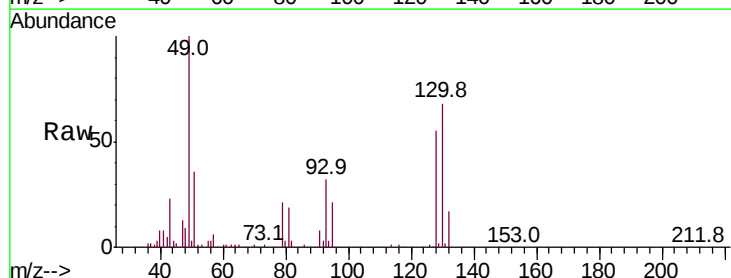
RT: 5.78 min Scan# 885

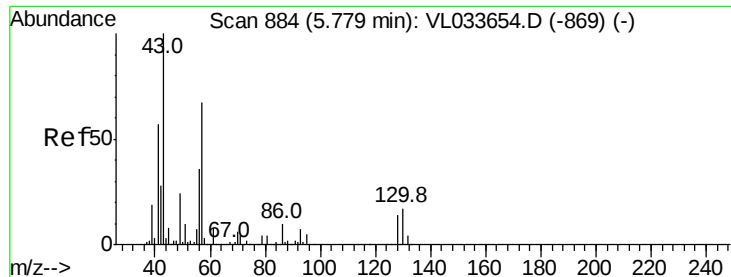
Delta R.T. 0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Tgt Ion:	43	Resp:	21802
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	8.4	7.5	11.3
70	7.0	5.8	8.8

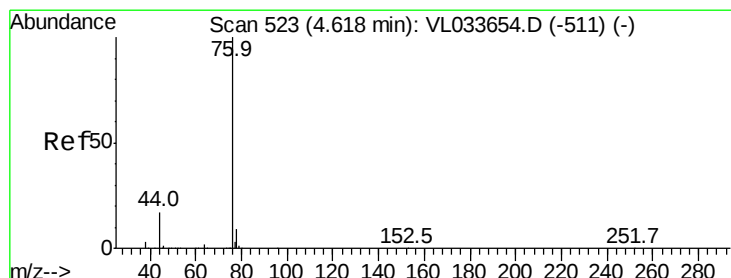
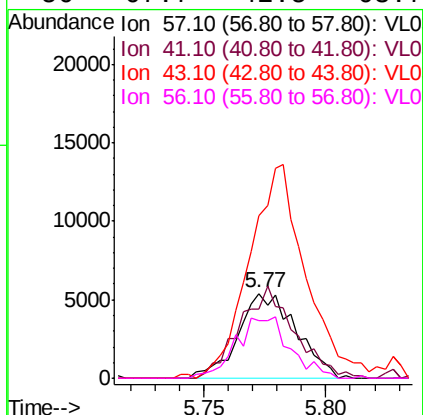
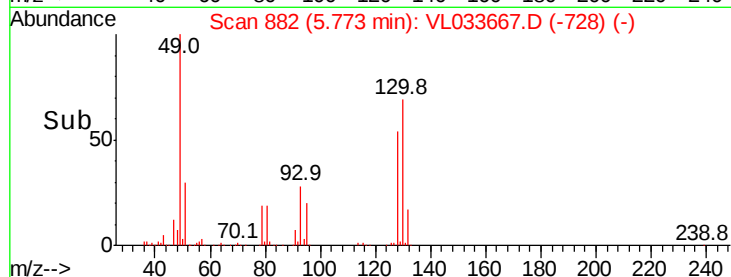
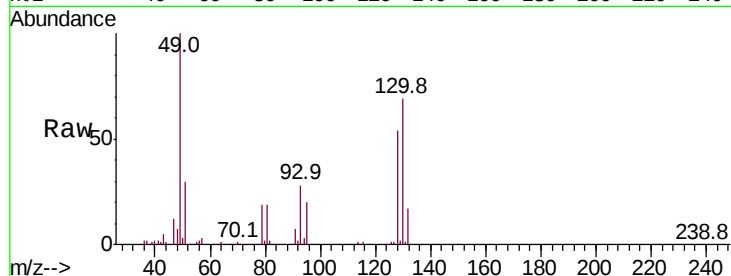




#26
Hexane
Concen: 0.093 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

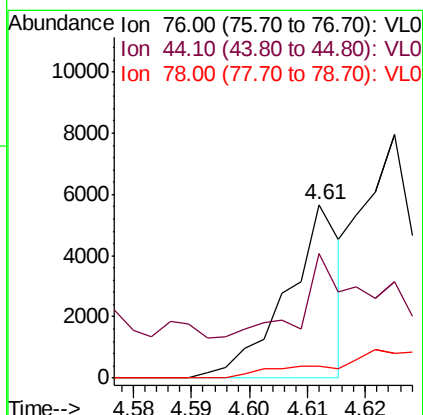
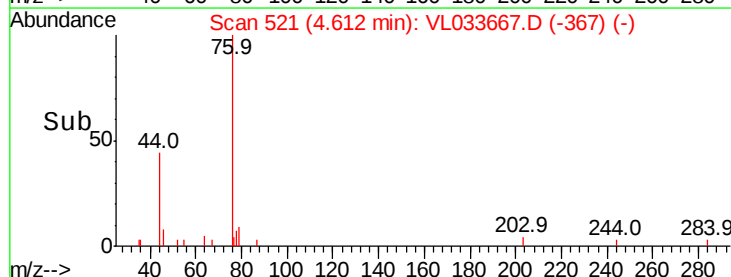
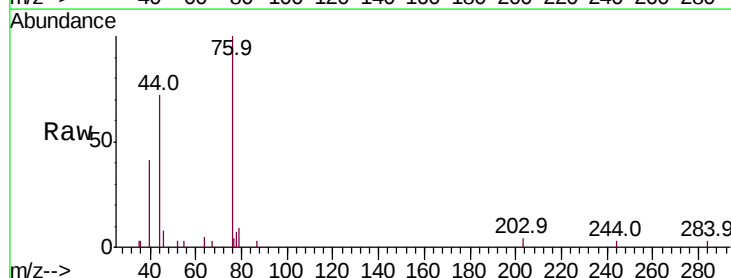
Instrument :
MSVOA_L
ClientSampleId :

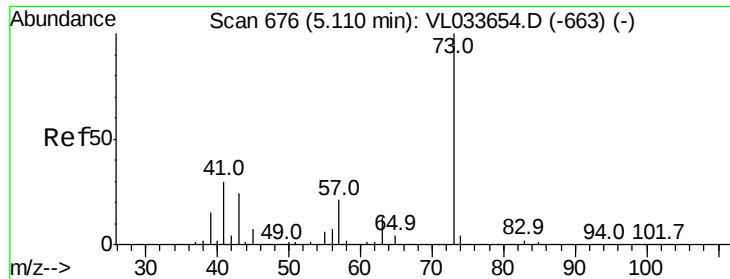
Tot Ion: 57 Resp: 8859
Ion Ratio Lower Upper
57 100
41 103.1 69.7 104.5
43 254.9 181.9 272.9
56 67.7 42.5 63.7#



#27
Carbon Disulfide
Concen: 0.028 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

Tgt Ion: 76 Resp: 3647
Ion Ratio Lower Upper
76 100
44 113.6 14.4 21.6#
78 0.0 7.4 11.2#

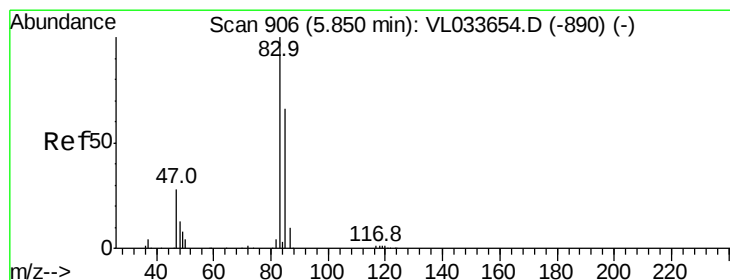
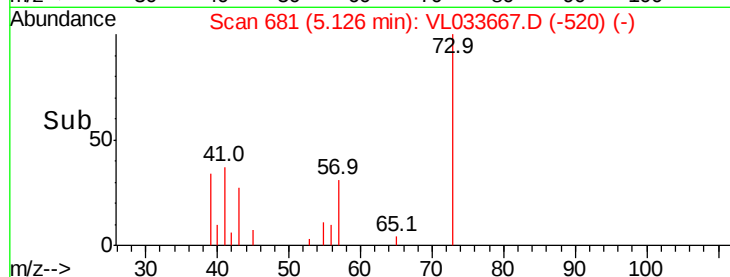
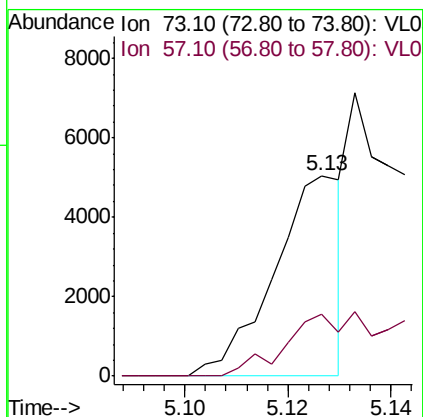
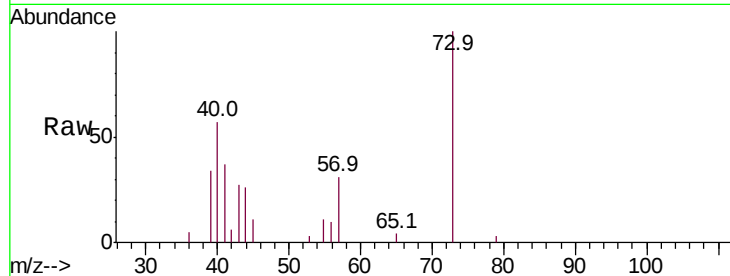




#28
Methvl tert-Butvl Ether
Concen: 0.029 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.02 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

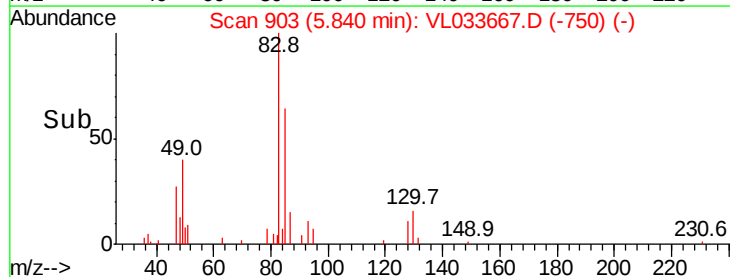
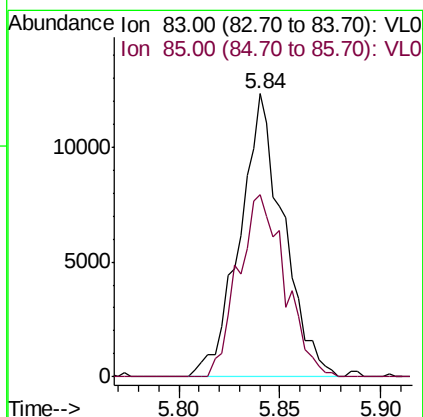
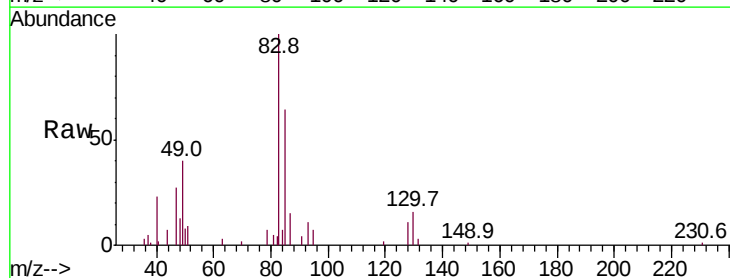
Instrument :
MSVOA_L
ClientSampled :

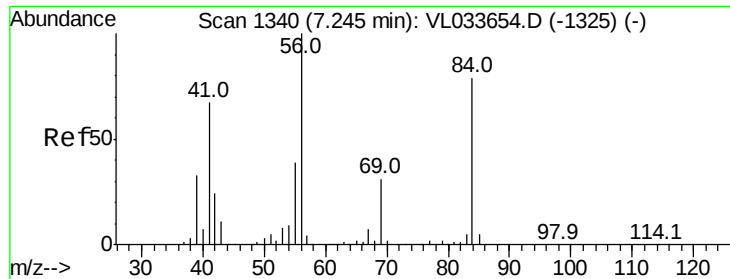
Tot Ion: 73 Resp: 4625
Ion Ratio Lower Upper
73 100
57 0.0 17.4 26.0#



#29
Chloroform
Concen: 0.110 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

Tgt Ion: 83 Resp: 18663
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8

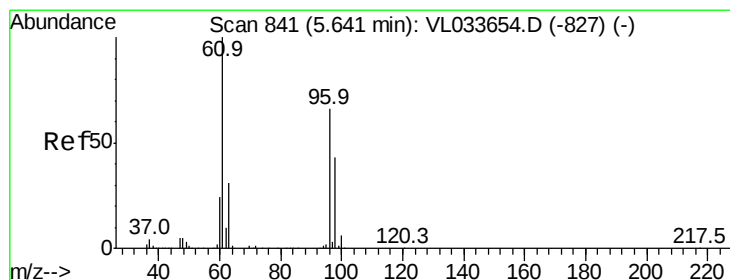
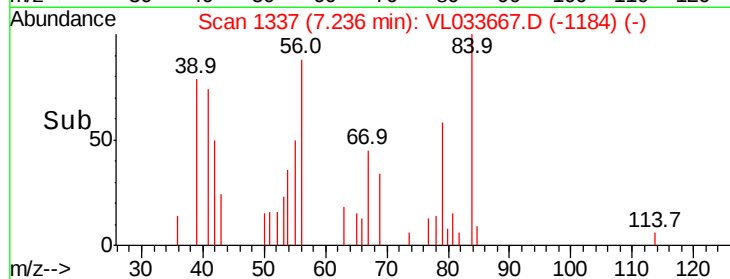
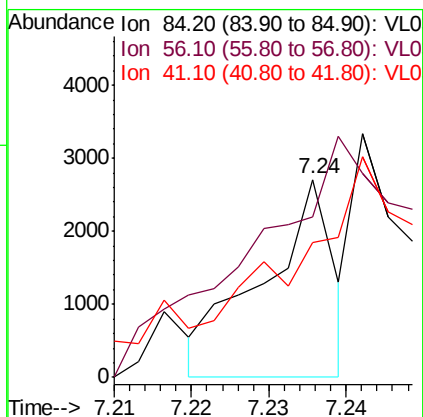
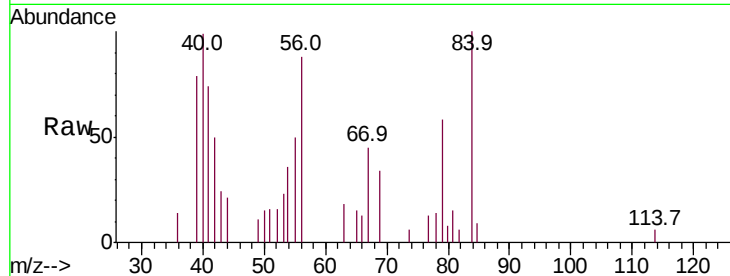




#30
Cvclohexane
Concen: 0.022 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

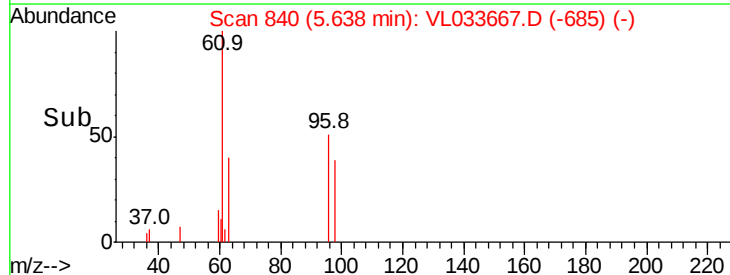
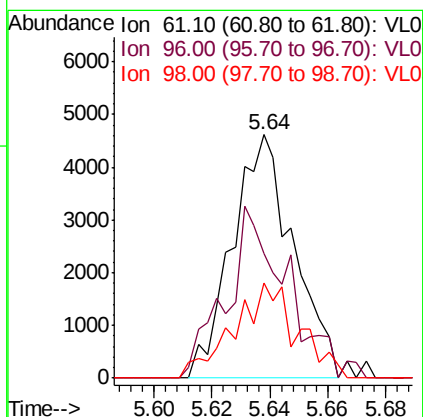
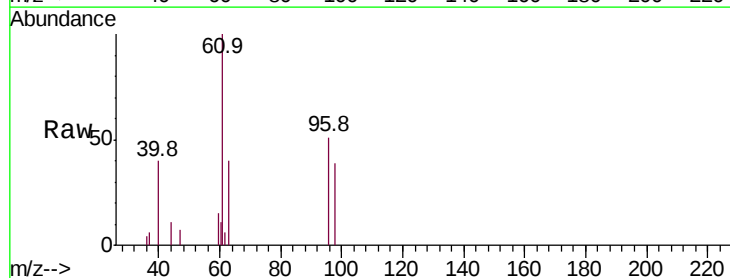
Instrument :
MSVOA_L
ClientSampleId :

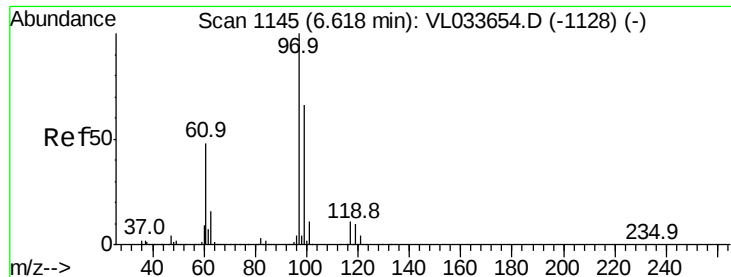
Tot Ion: 84 Resp: 1724
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 0.0 66.6 99.8#



#31
cis-1,2-Dichloroethene
Concen: 0.072 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

Tgt Ion: 61 Resp: 6748
Ion Ratio Lower Upper
61 100
96 48.2 53.2 79.8#
98 31.5 34.2 51.4#





#32

1,1,1-Trichloroethane

Concen: 0.053 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

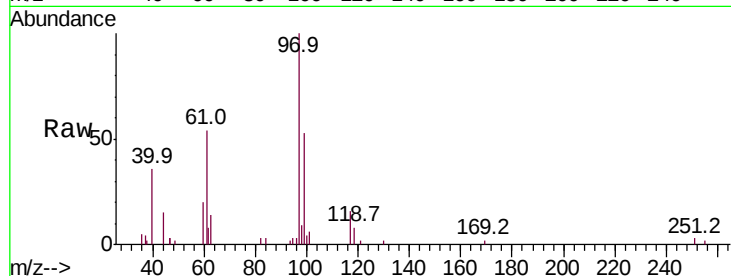
Tot Ion: 97 Resp: 9400

Ion Ratio Lower Upper

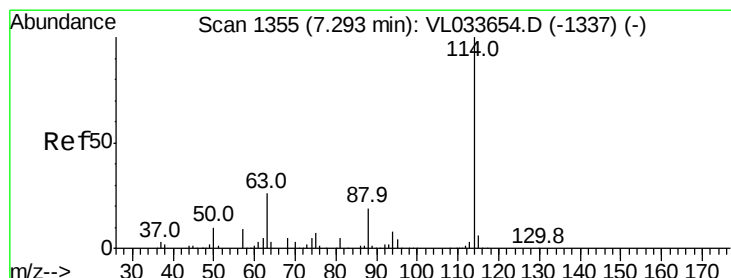
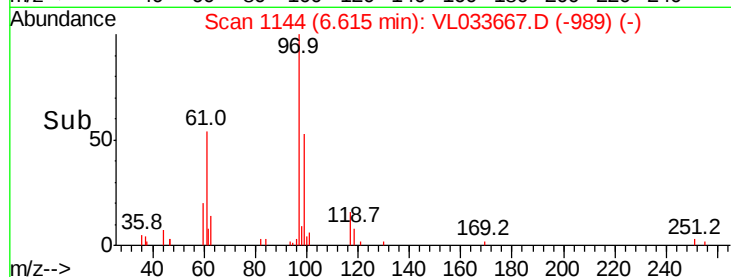
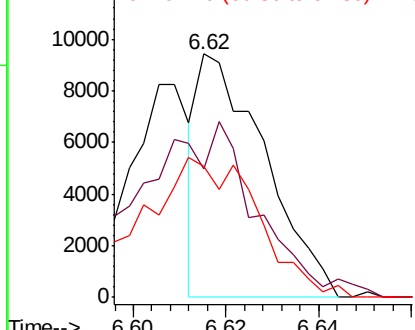
97 100

99 128.1 51.4 77.2#

61 103.9 38.5 57.7#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

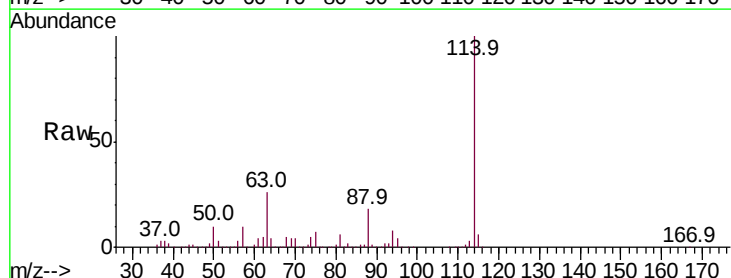
Tgt Ion:114 Resp: 2220289

Ion Ratio Lower Upper

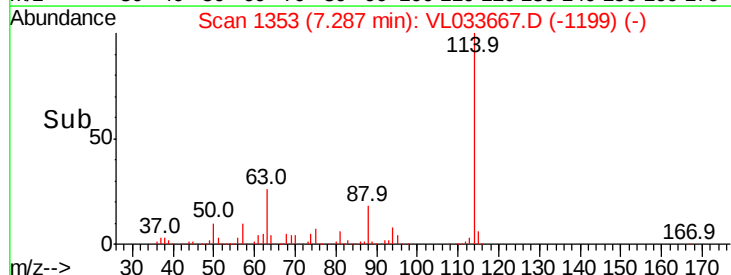
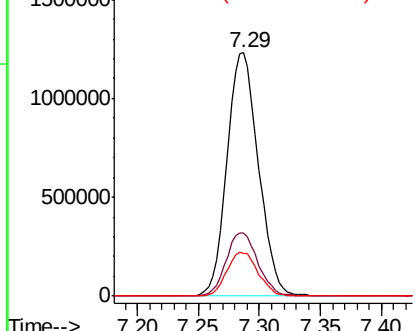
114 100

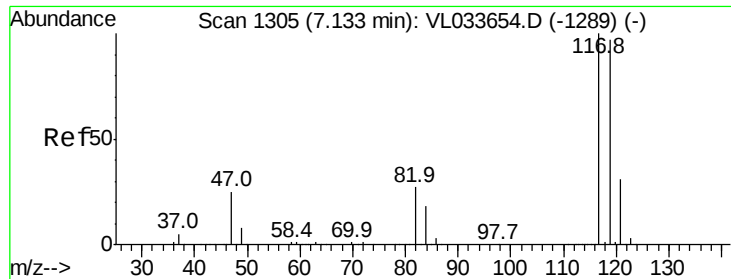
63 26.5 21.3 31.9

88 18.1 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

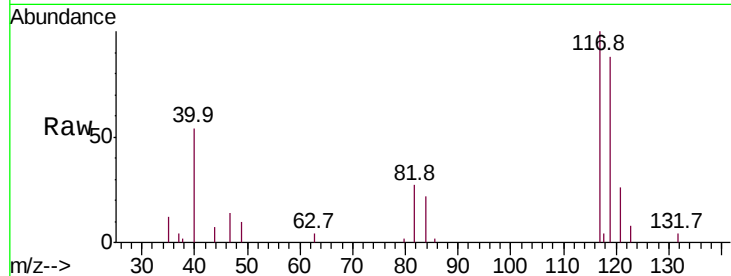
Tot Ion:117 Resp: 6426

Ion Ratio Lower Upper

117 100

119 87.7 77.9 116.9

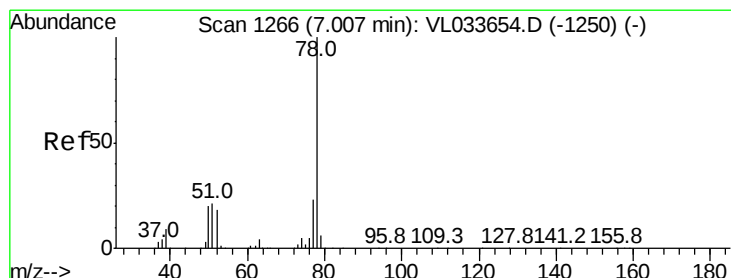
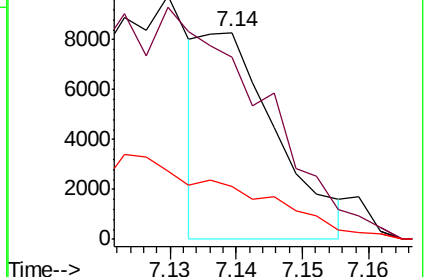
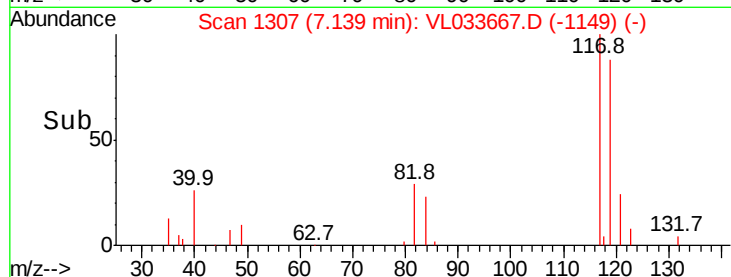
121 25.3 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.036 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

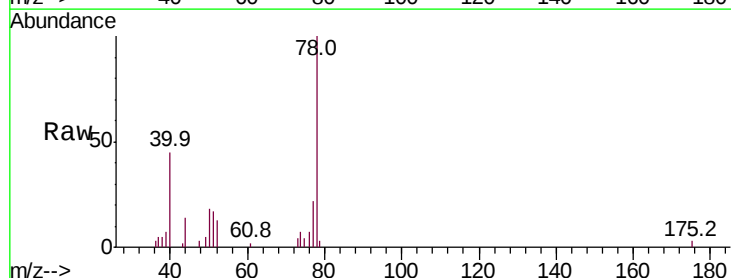
Tgt Ion: 78 Resp: 7234

Ion Ratio Lower Upper

78 100

77 21.0 18.2 27.2

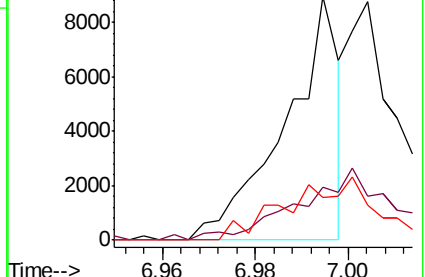
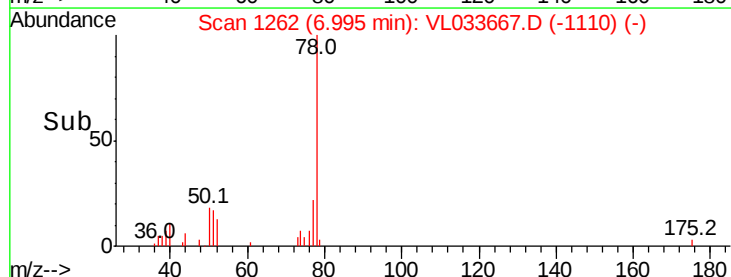
50 17.1 15.8 23.6

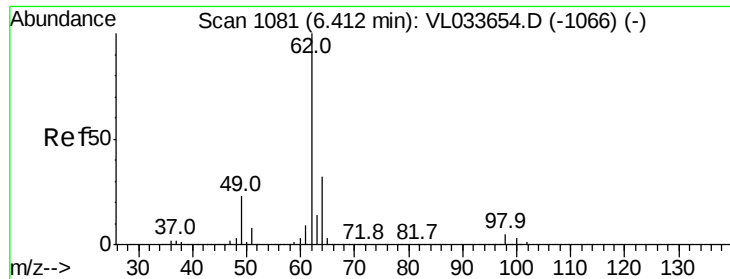


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

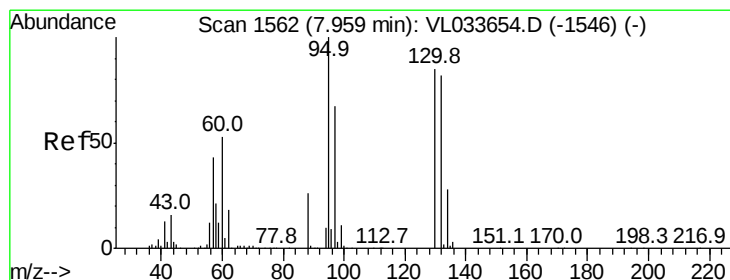
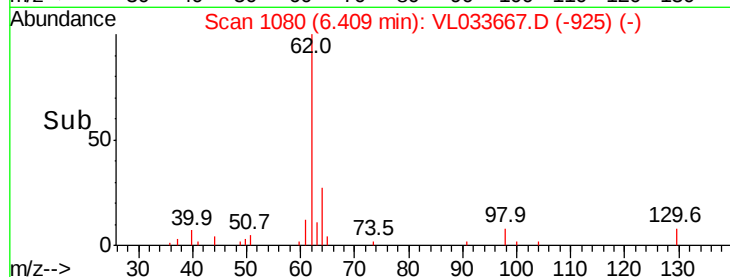
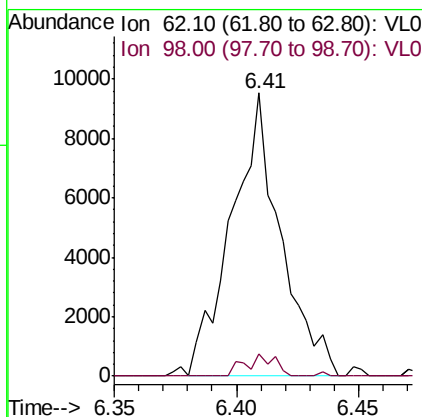
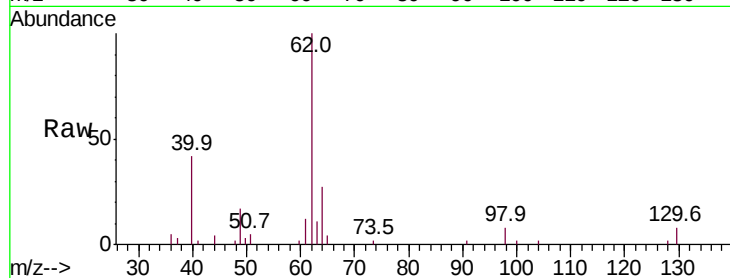




#37
 1,2-Dichloroethane
 Concen: 0.096 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

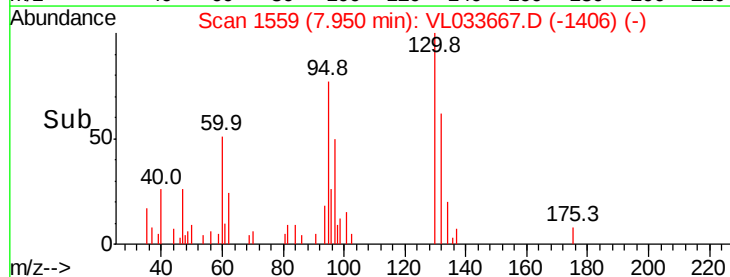
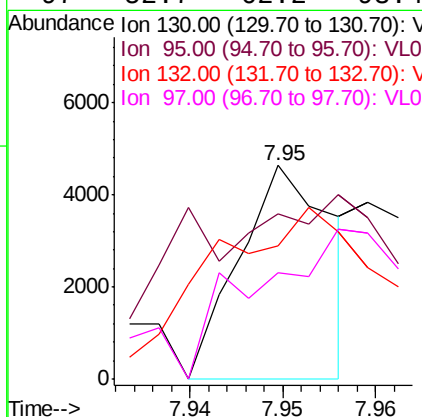
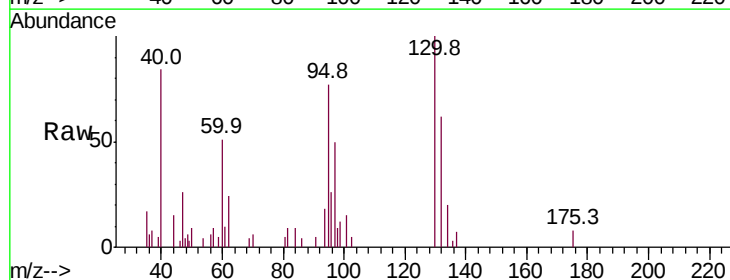
Instrument :
 MSVOA_L
 ClientSampled :

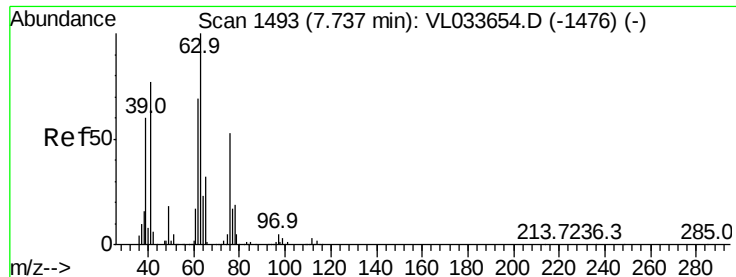
Tot Ion: 62 Resp: 13277
 Ion Ratio Lower Upper
 62 100
 98 4.8 4.5 6.7



#38
 Trichloroethene
 Concen: 0.044 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion:130 Resp: 3225
 Ion Ratio Lower Upper
 130 100
 95 0.0 93.4 140.0#
 132 19.0 76.2 114.4#
 97 52.7 62.2 93.4#





#39

1,2-Dichloropropane

Concen: 7.872 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

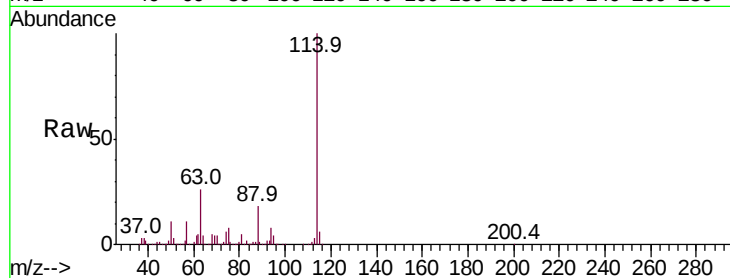
Tot Ion: 63 Resp: 584081

Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

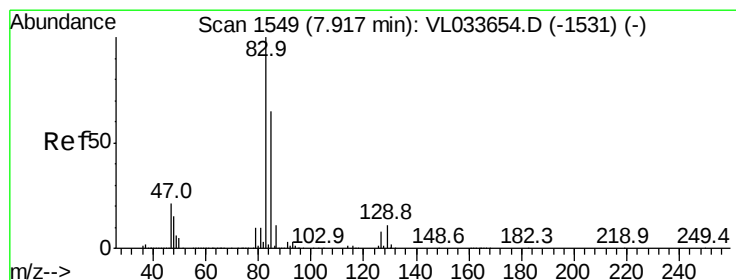
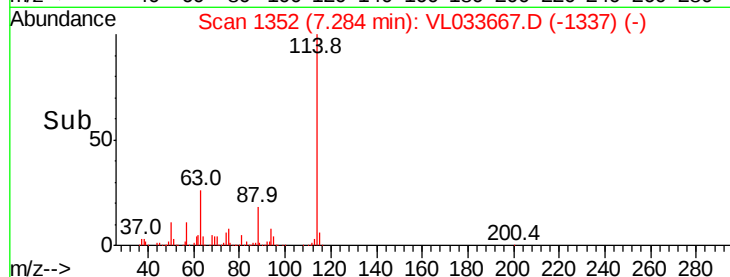
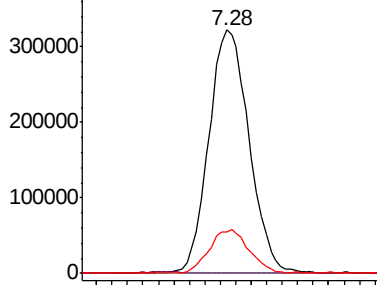
62 17.1 55.0 82.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#42

Bromodichloromethane

Concen: 0.058 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

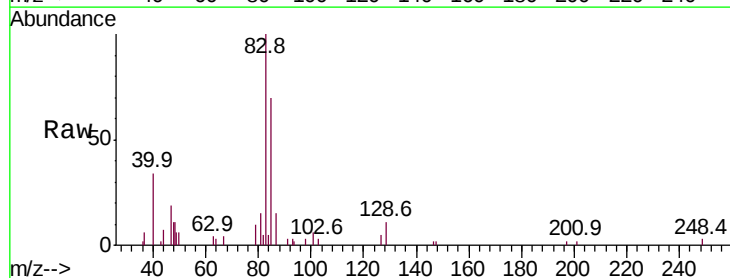
Tgt Ion: 83 Resp: 10486

Ion Ratio Lower Upper

83 100

85 70.3 52.4 78.6

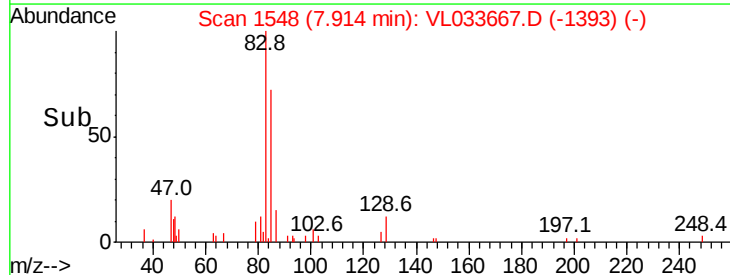
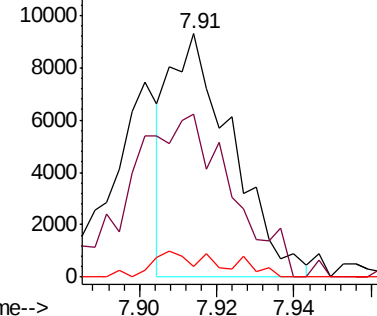
127 4.7 6.6 9.8#

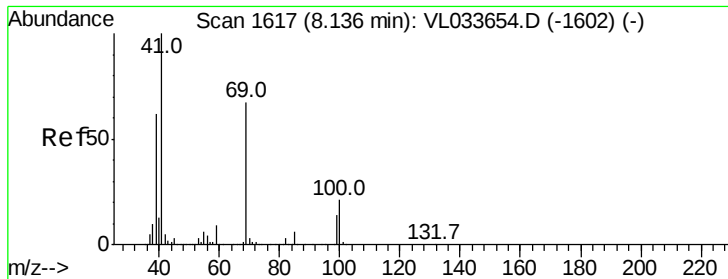


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

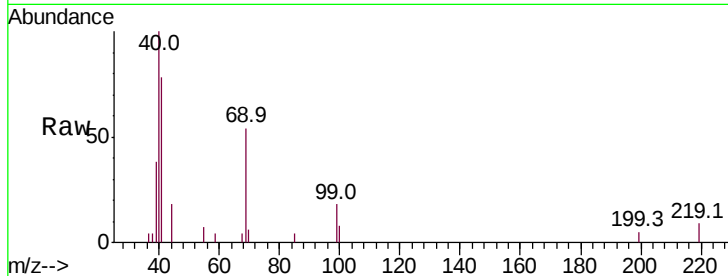




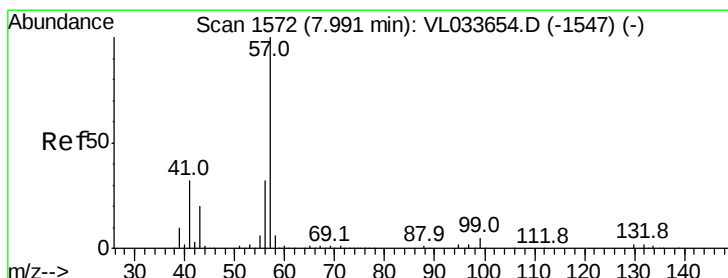
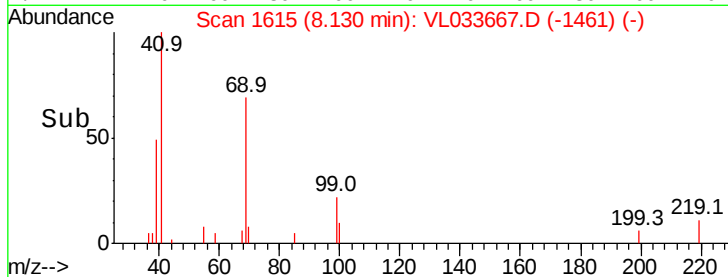
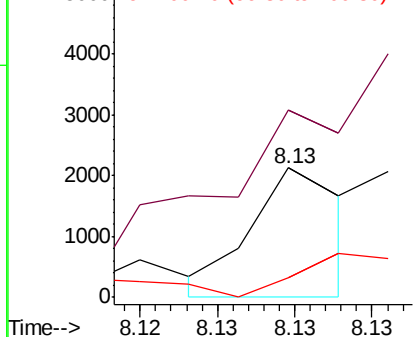
#43
Methyl Methacrylate
Concen: 0.012 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 885
Ion Ratio Lower Upper
69 100
41 0.0 116.6 175.0#
100 0.0 24.6 37.0#

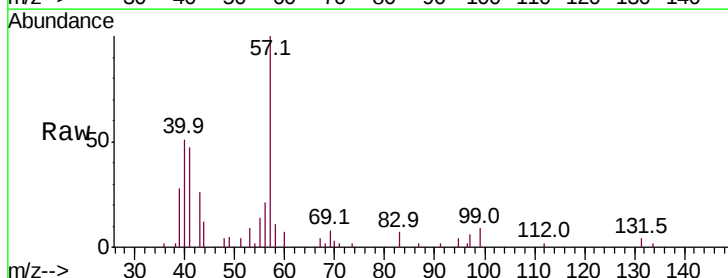


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

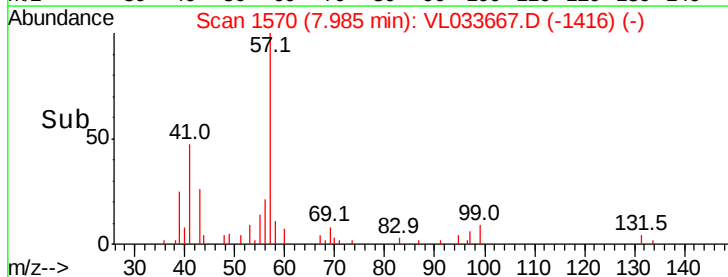
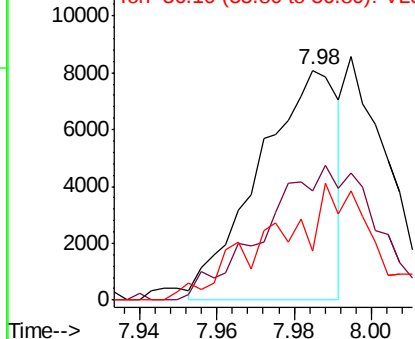


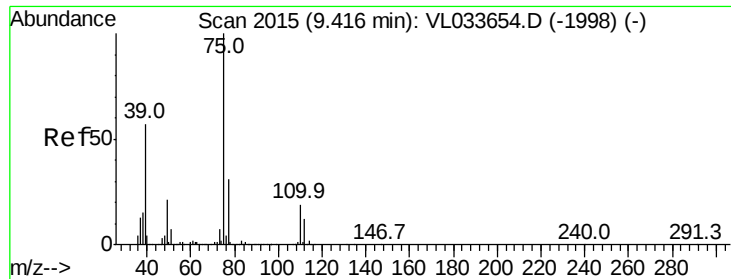
#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033667.D
Acq: 6 May 2019 20:27

Tgt Ion: 57 Resp: 11480
Ion Ratio Lower Upper
57 100
41 86.6 25.7 38.5#
56 66.6 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.041 ppbv

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

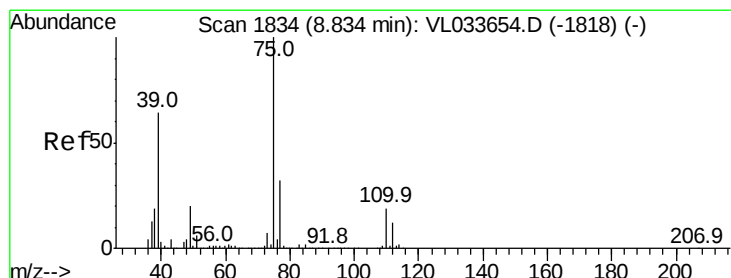
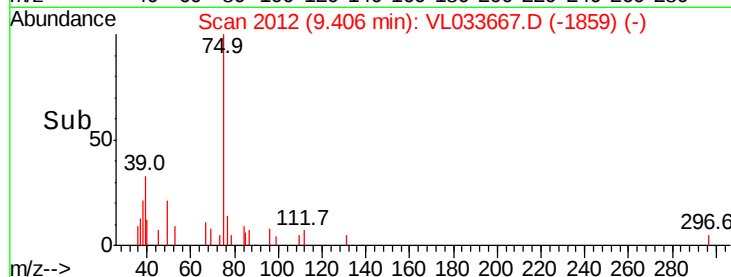
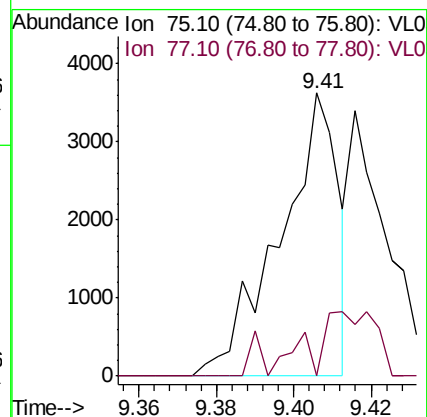
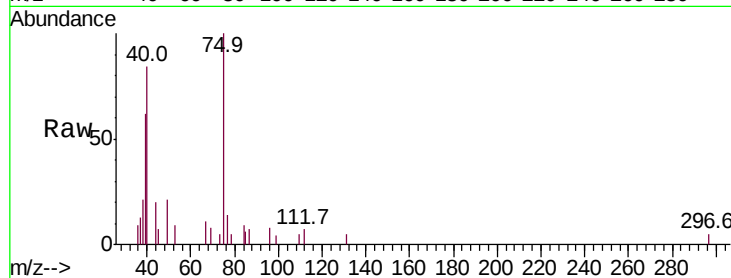
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 3787

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#



#46

cis-1,3-Dichloropropene

Concen: 0.024 ppbv

RT: 8.82 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

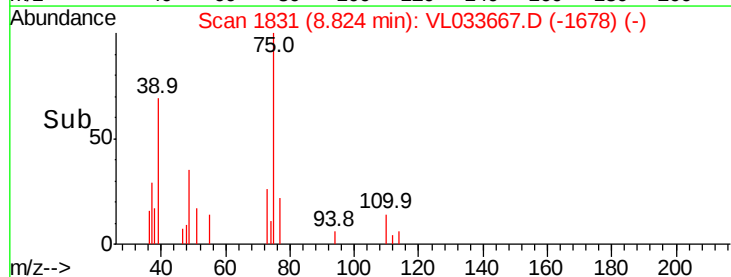
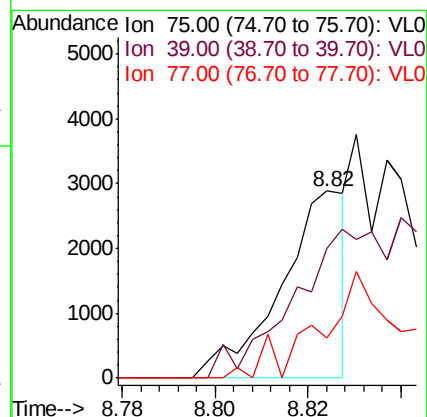
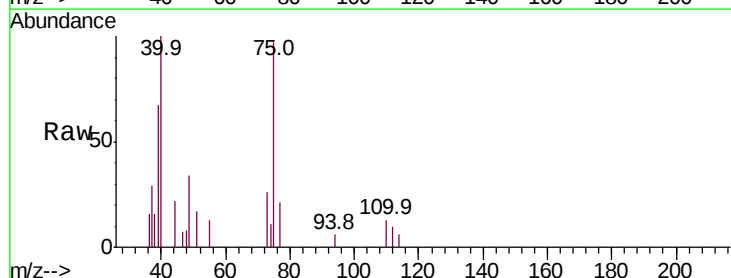
Tgt Ion: 75 Resp: 2801

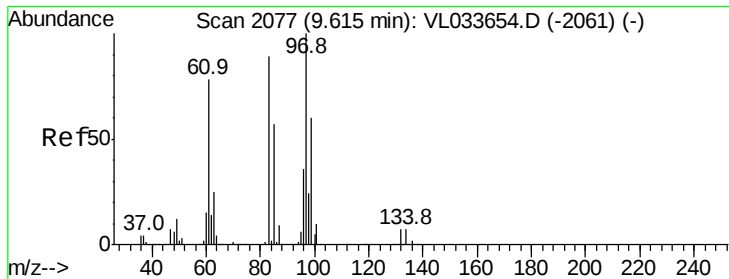
Ion Ratio Lower Upper

75 100

39 69.3 51.5 77.3

77 21.5 25.4 38.0#

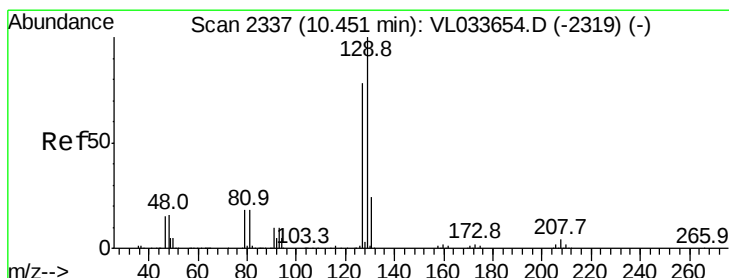
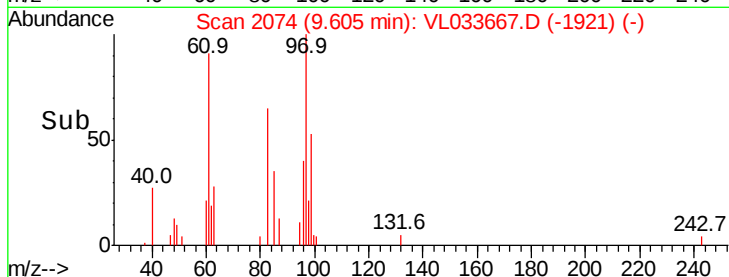
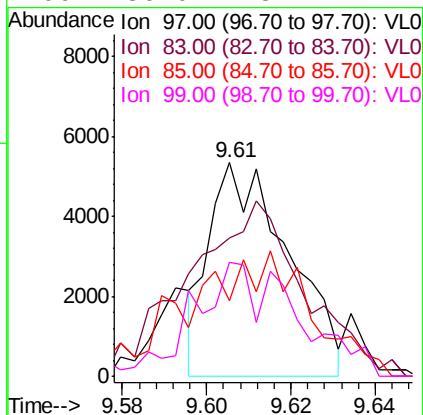
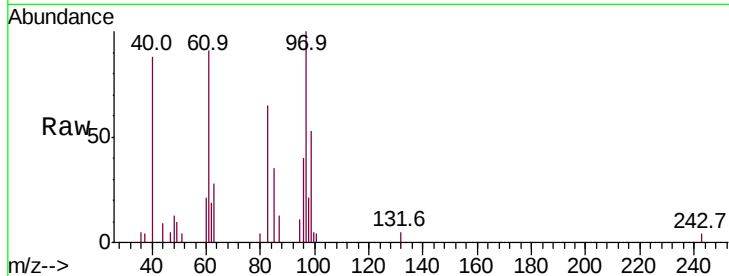




#47
 1,1,2-Trichloroethane
 Concen: 0.082 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

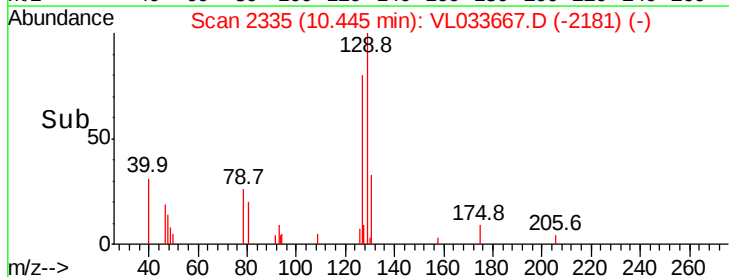
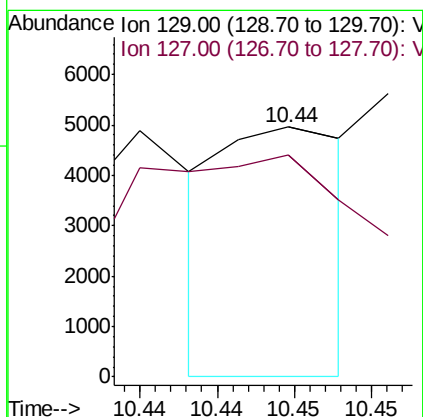
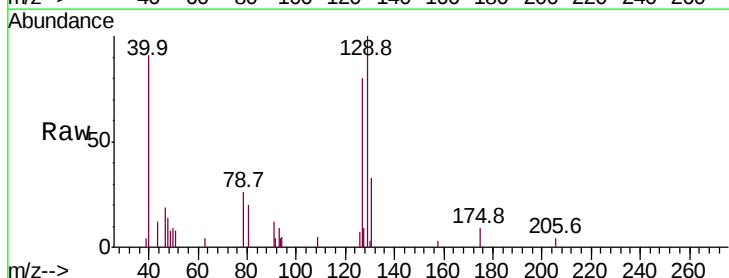
Instrument :
 MSVOA_L
 ClientSampleId :

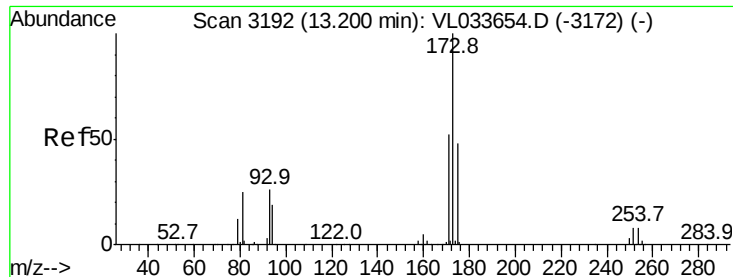
Tot Ion: 97 Resp: 6961
 Ion Ratio Lower Upper
 97 100
 83 36.1 70.9 106.3#
 85 16.4 45.8 68.6#
 99 36.0 48.2 72.4#



#48
 Dibromochloromethane
 Concen: 0.019 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion: 129 Resp: 2779
 Ion Ratio Lower Upper
 129 100
 127 306.6 39.1 117.2#





#49

Bromoform

Concen: 0.028 ppbv

RT: 13.18 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

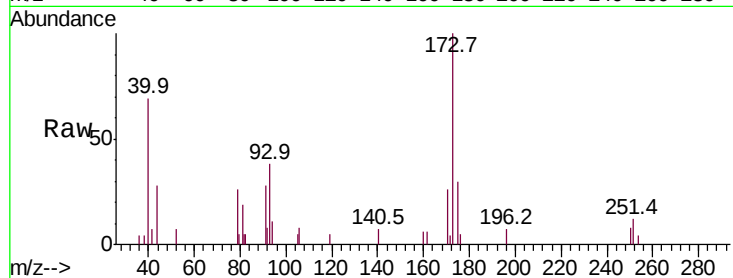
Tot Ion:173 Resp: 3572

Ion Ratio Lower Upper

173 100

175 0.0 39.3 58.9#

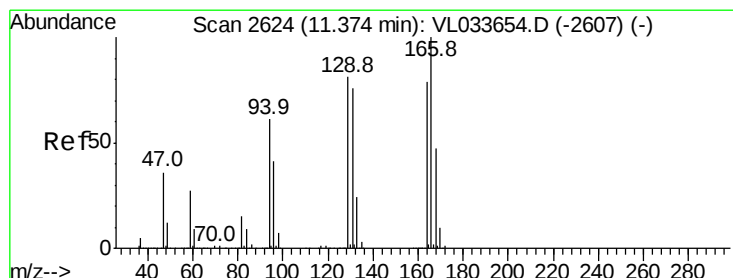
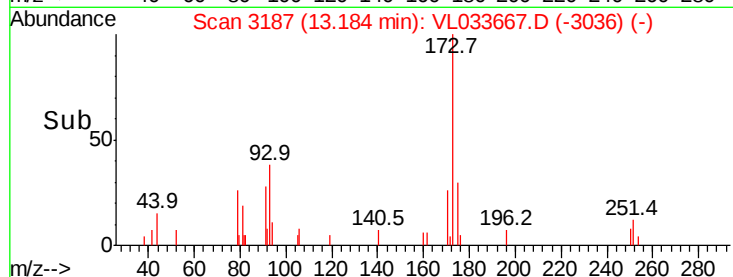
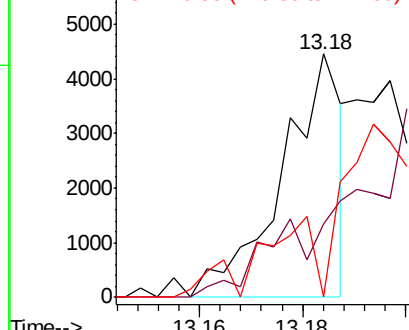
171 0.0 41.5 62.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#52

Tetrachloroethene

Concen: 0.029 ppbv

RT: 11.36 min Scan# 2620

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Tgt Ion:164 Resp: 2065

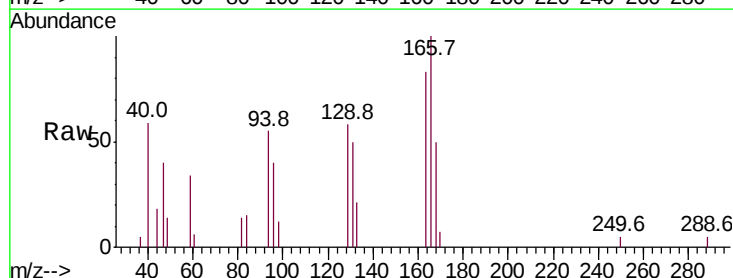
Ion Ratio Lower Upper

164 100

166 122.3 100.6 151.0

129 42.2 81.0 121.6#

131 32.2 76.4 114.6#

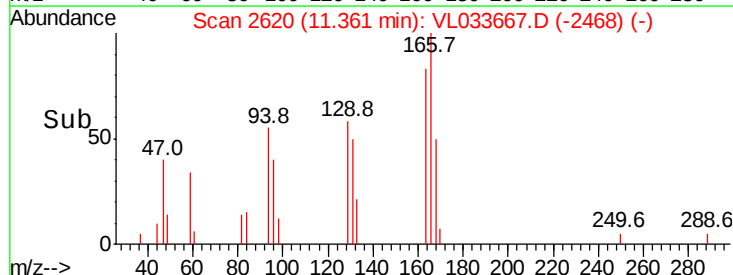
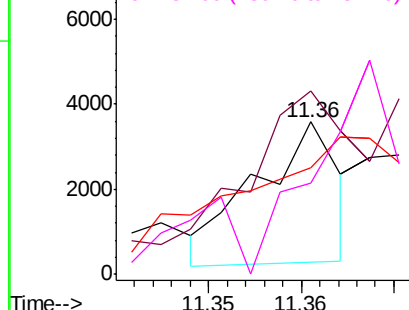


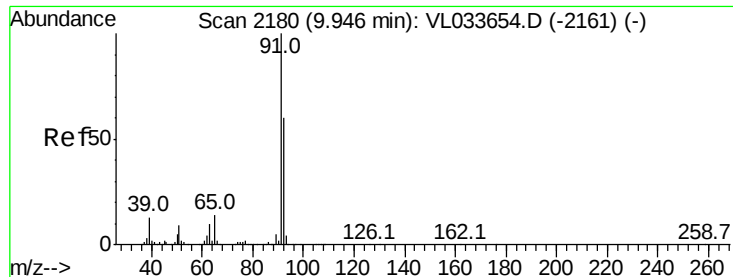
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.017 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

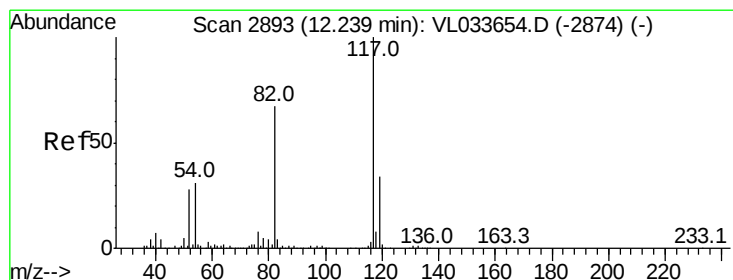
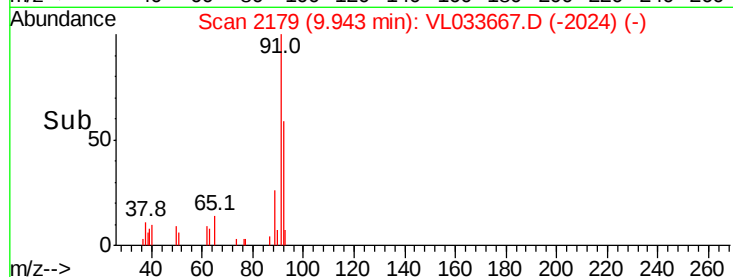
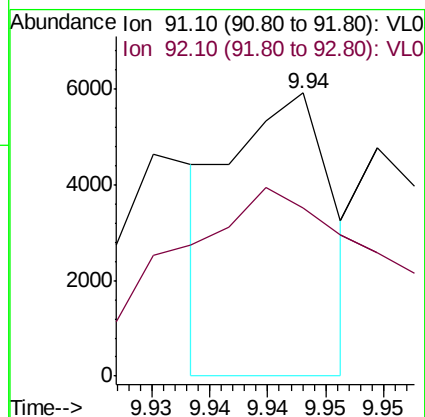
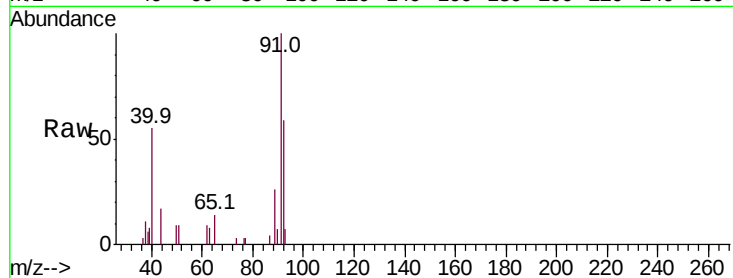
ClientSampleId :

Tot Ion: 91 Resp: 3653

Ion Ratio Lower Upper

91 100

92 182.4 47.7 71.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

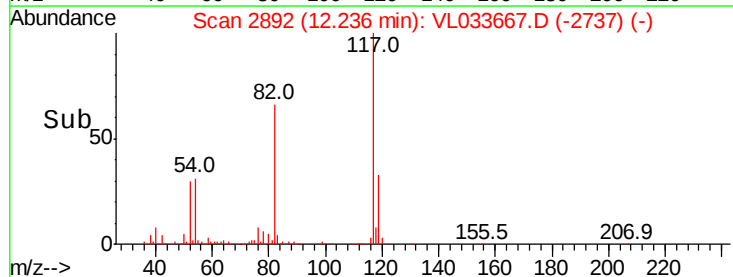
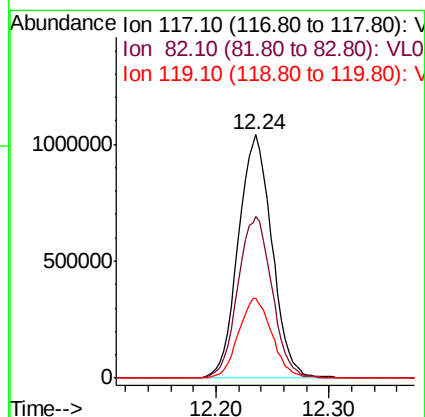
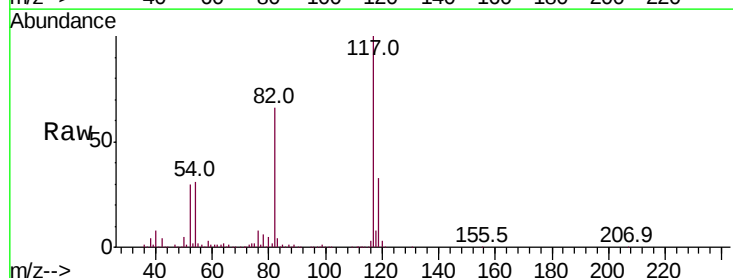
Tgt Ion: 117 Resp: 2158869

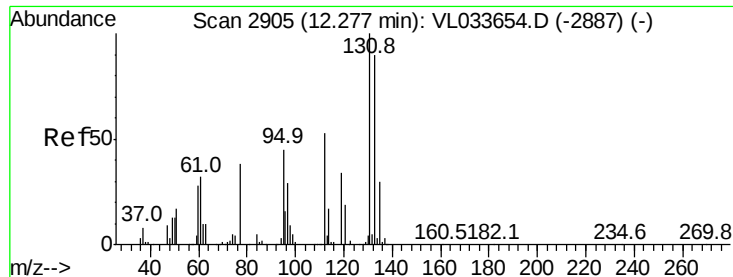
Ion Ratio Lower Upper

117 100

82 67.8 49.7 74.5

119 32.8 24.8 37.2





#56

1,1,1,2-Tetrachloroethane

Concen: 0.018 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampled :

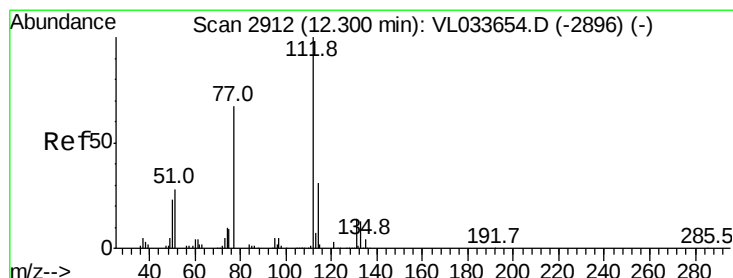
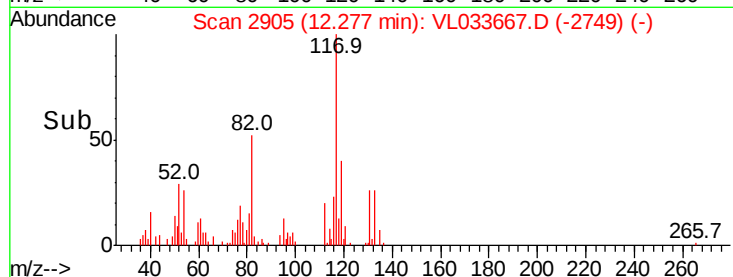
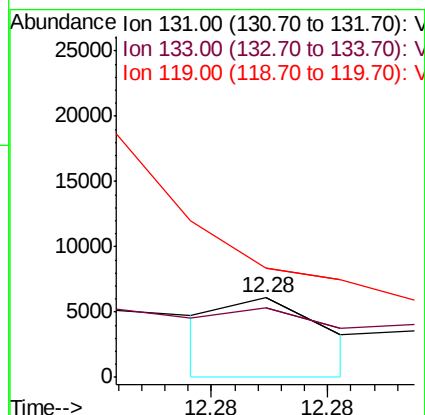
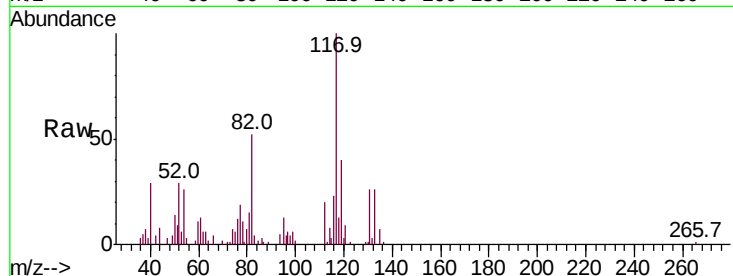
Tot Ion:131 Resp: 1799

Ion Ratio Lower Upper

131 100

133 563.5 76.0 114.0#

119 0.0 45.4 68.2#



#57

Chlorobenzene

Concen: 0.109 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

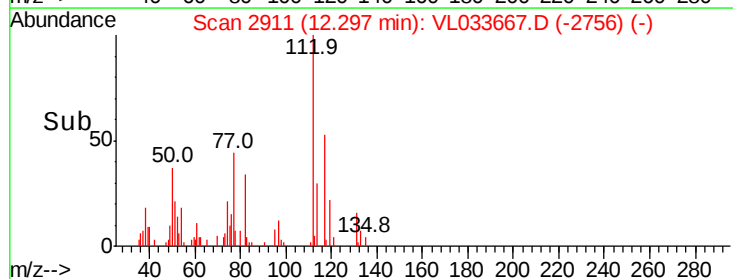
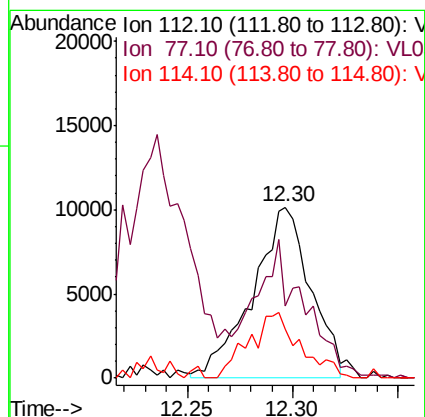
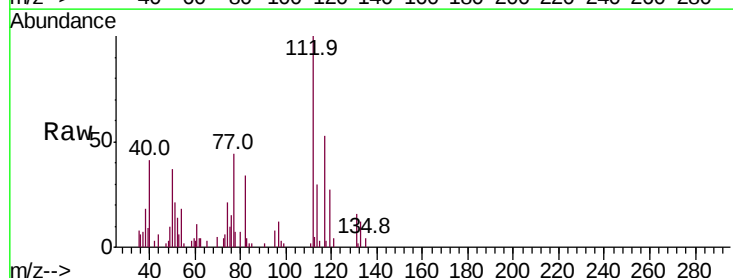
Tgt Ion:112 Resp: 19325

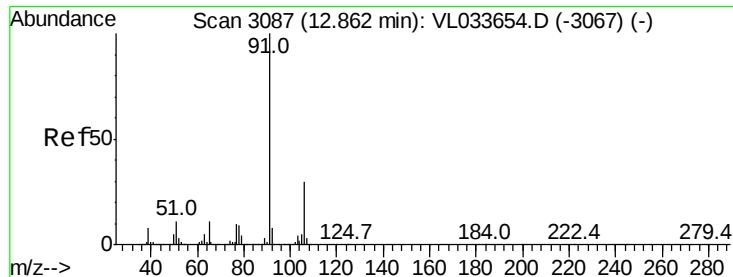
Ion Ratio Lower Upper

112 100

77 43.1 54.4 81.6#

114 26.9 28.2 34.4#





#58

Ethyl Benzene

Concen: 0.027 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. 0.25 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

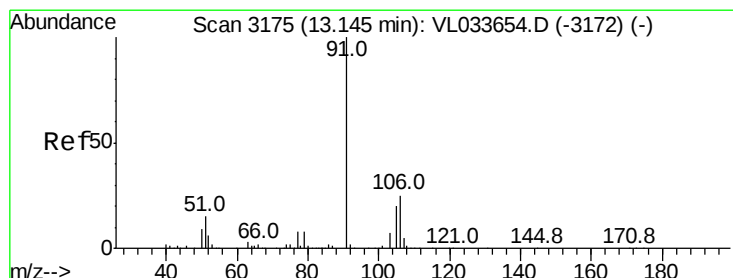
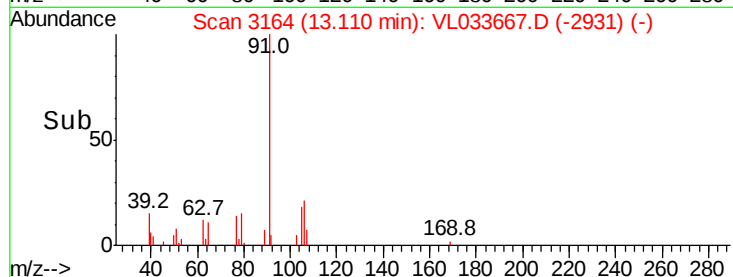
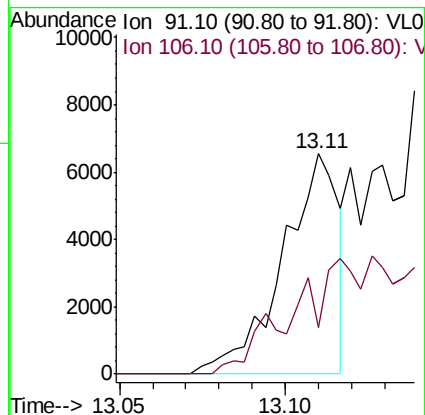
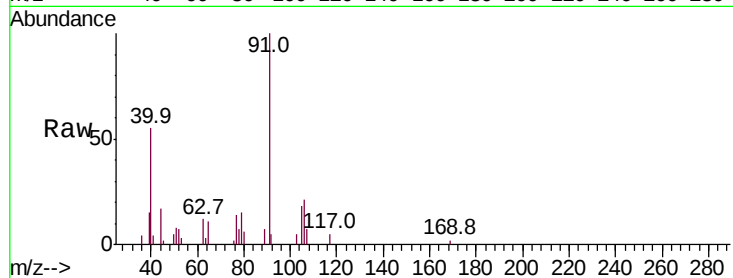
ClientSampled :

Tot Ion: 91 Resp: 7669

Ion Ratio Lower Upper

91 100

106 26.7 23.7 35.5



#59

m/p-Xylene

Concen: 0.024 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL033667.D

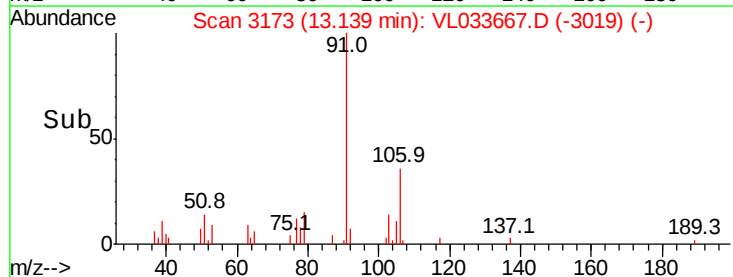
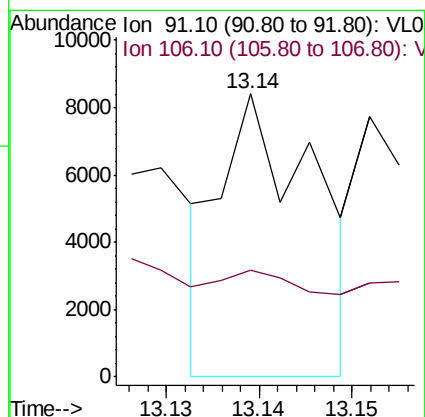
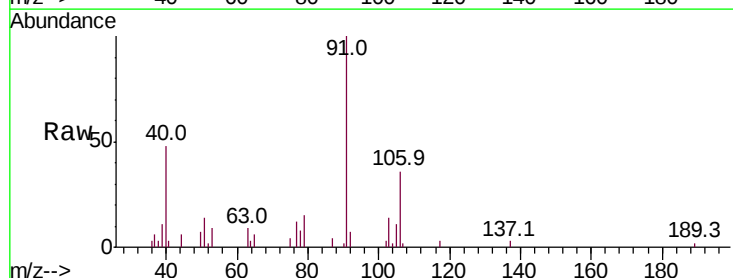
Acq: 6 May 2019 20:27

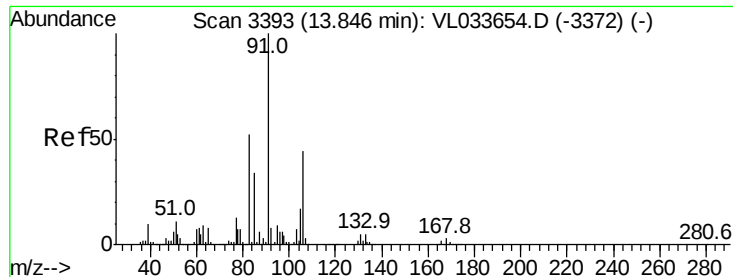
Tgt Ion: 91 Resp: 5899

Ion Ratio Lower Upper

91 100

106 0.0 36.2 54.2#





#60

o-Xylene

Concen: 0.019 ppbv

RT: 13.85 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

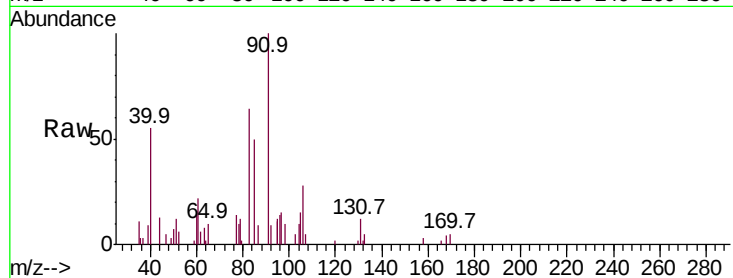
ClientSampled :

Tot Ion: 91 Resp: 4698

Ion Ratio Lower Upper

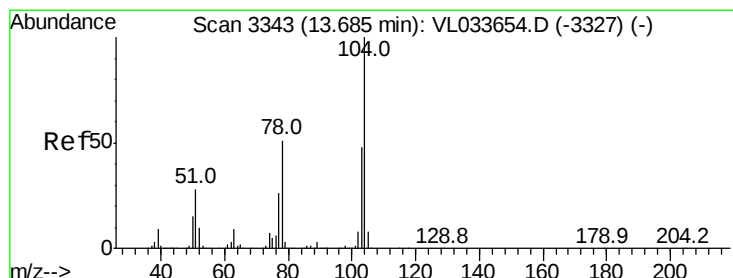
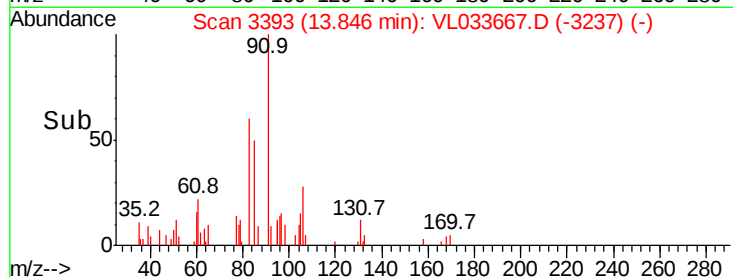
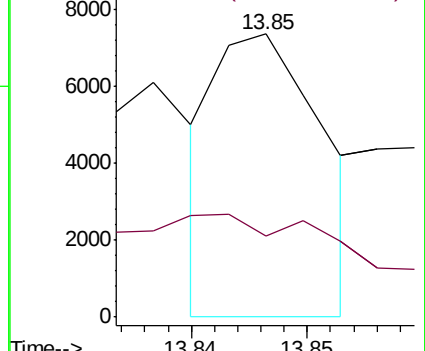
91 100

106 120.1 21.7 65.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): VL0



#61

Styrene

Concen: 0.034 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

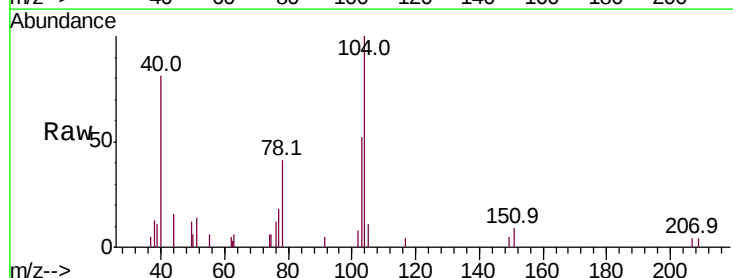
Tgt Ion: 104 Resp: 5696

Ion Ratio Lower Upper

104 100

78 74.2 43.0 64.6#

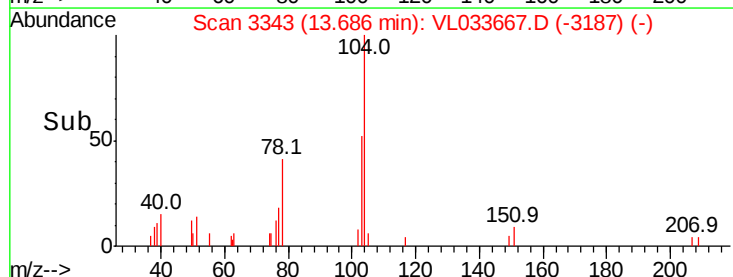
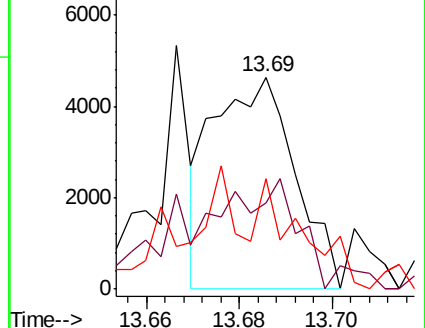
103 72.6 38.1 57.1#

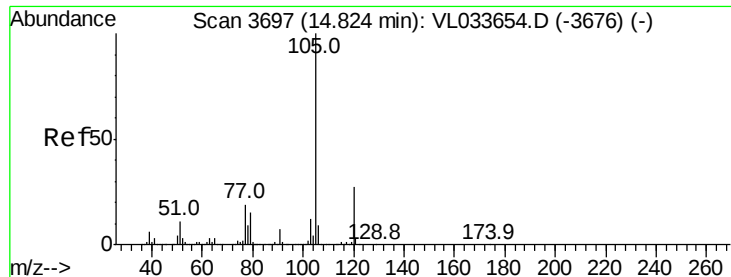


Abundance Ion 104.10 (103.80 to 104.80): VL0

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): VL0





#62

Isopropylbenzene

Concen: 0.066 ppbv

RT: 14.82 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

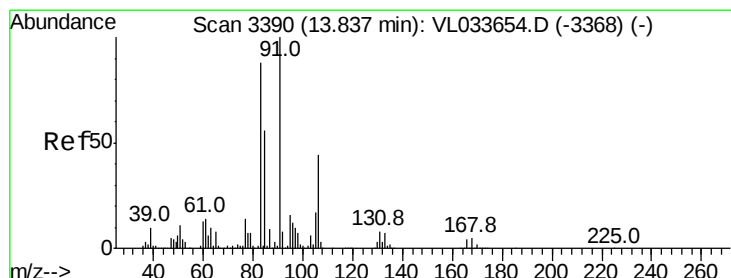
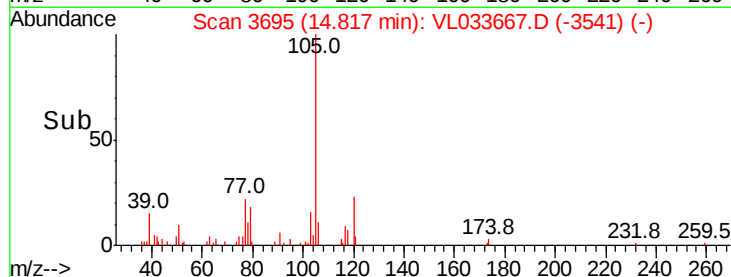
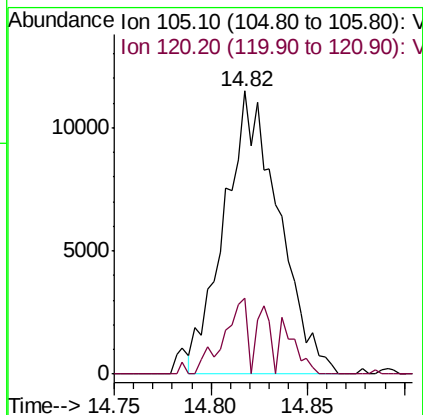
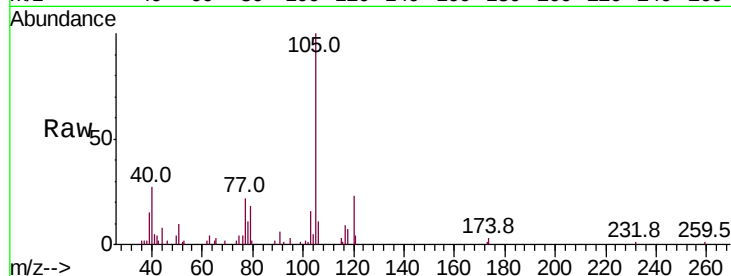
ClientSampled :

Tot Ion:105 Resp: 22475

Ion Ratio Lower Upper

105 100

120 11.7 20.5 30.7#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.069 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

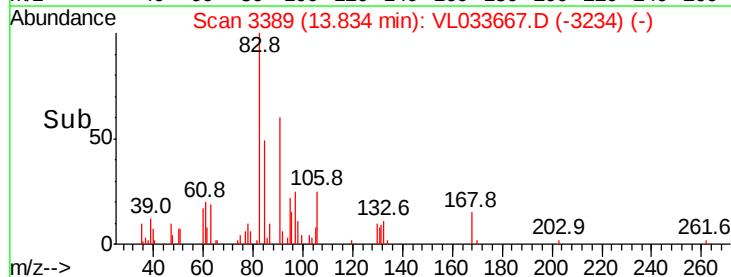
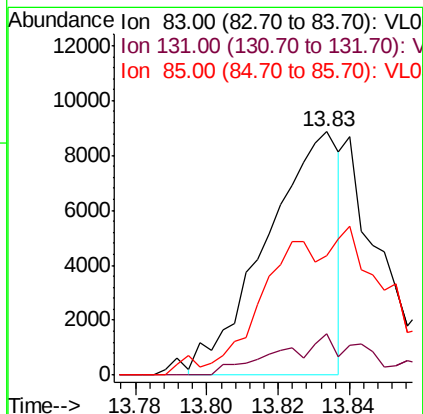
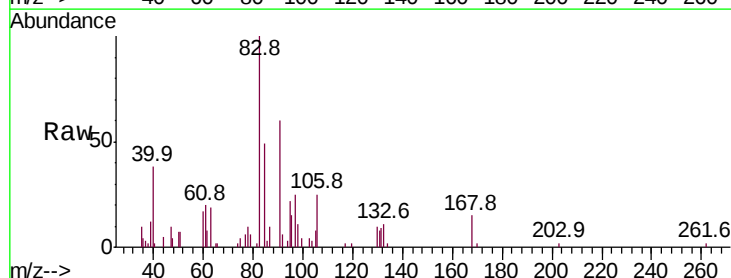
Tgt Ion: 83 Resp: 12553

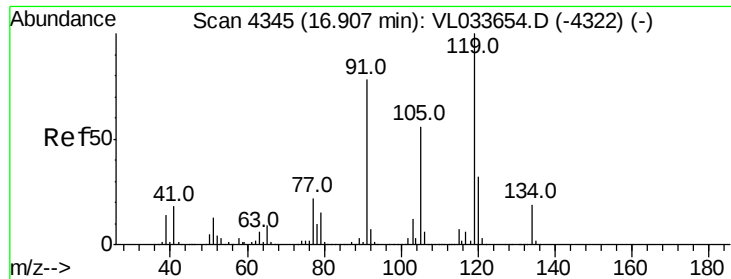
Ion Ratio Lower Upper

83 100

131 20.5 4.8 14.3#

85 0.0 32.5 97.4#





#65

tert-Butylbenzene

Concen: 0.014 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampled :

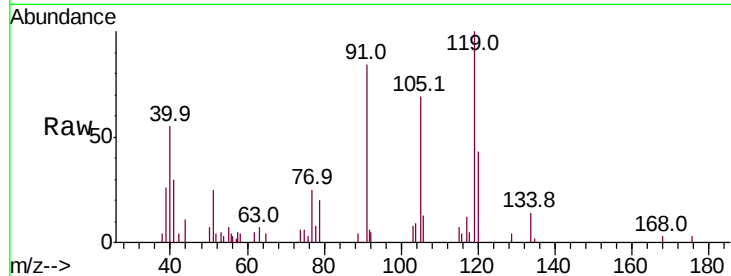
Tot Ion:119 Resp: 4287

Ion Ratio Lower Upper

119 100

91 316.5 65.9 98.9#

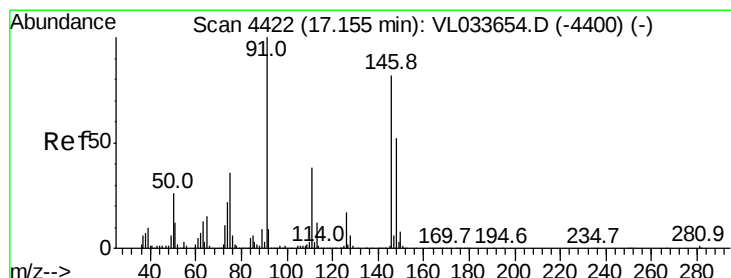
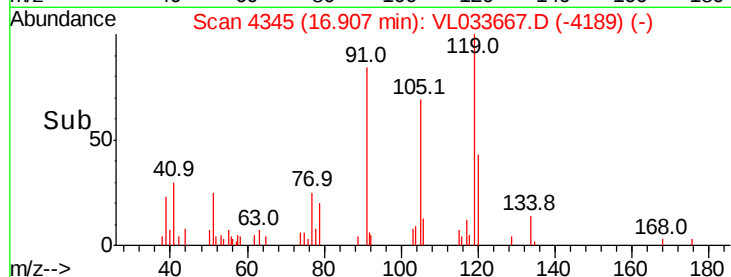
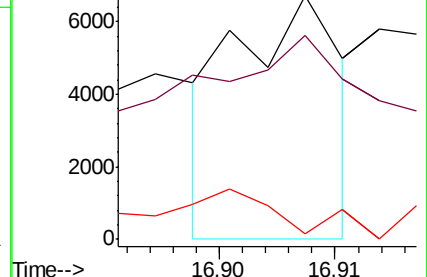
134 53.0 15.5 23.3#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.065 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

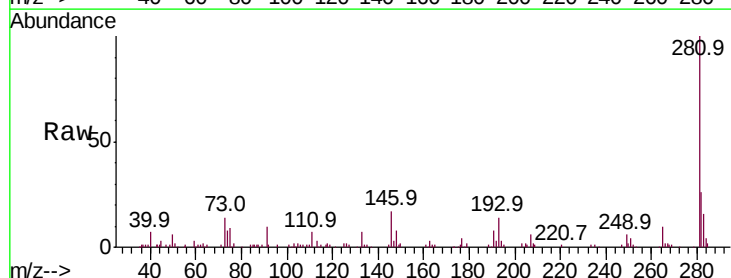
Tgt Ion: 91 Resp: 9346

Ion Ratio Lower Upper

91 100

126 0.0 13.4 20.2#

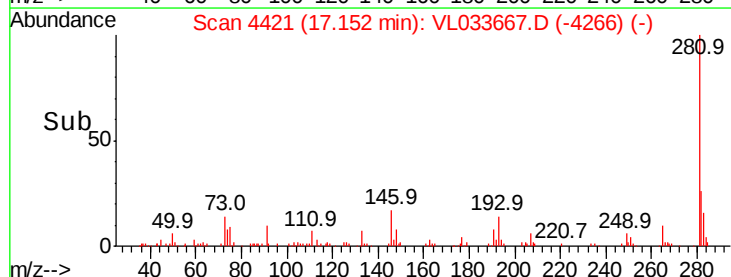
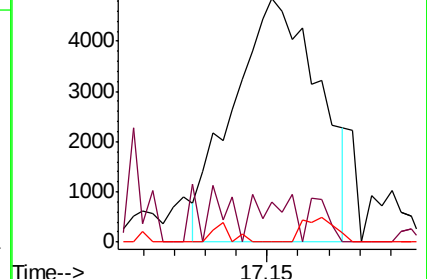
128 5.4 4.4 6.6

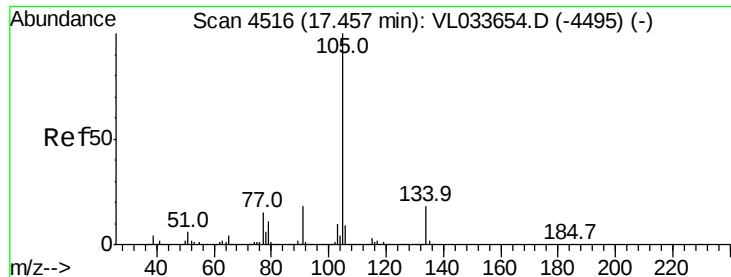


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.042 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

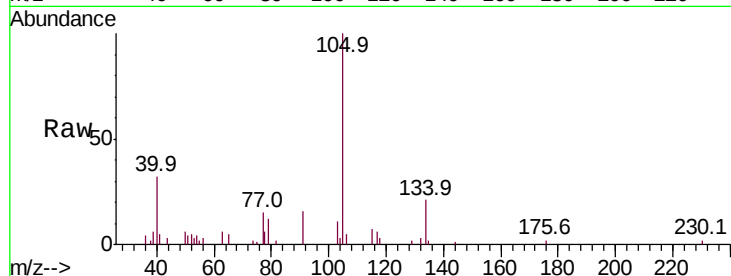
ClientSampleId :

Tot Ion:105 Resp: 18307

Ion Ratio Lower Upper

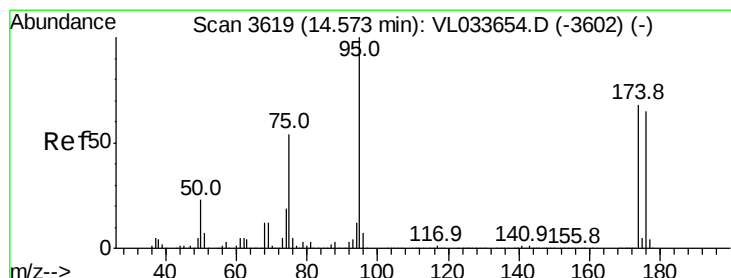
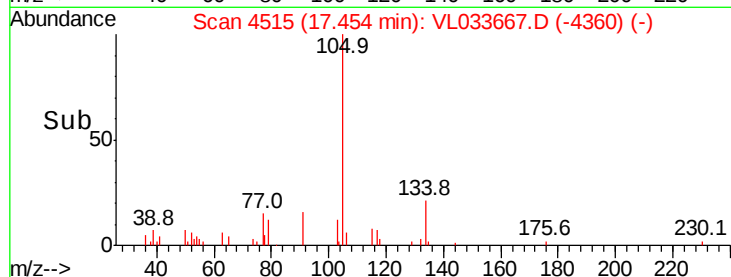
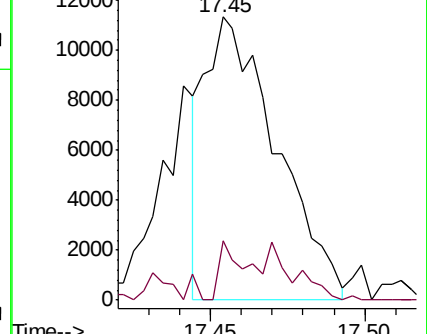
105 100

134 20.3 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.446 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

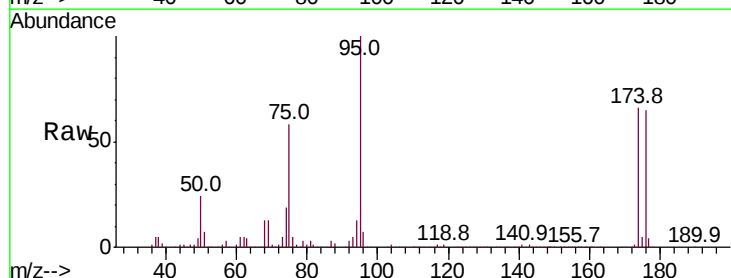
Tgt Ion: 95 Resp: 1848642

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

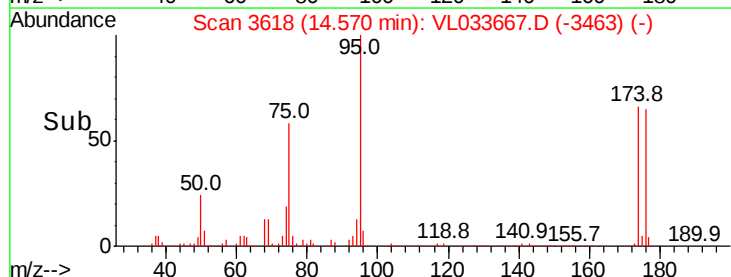
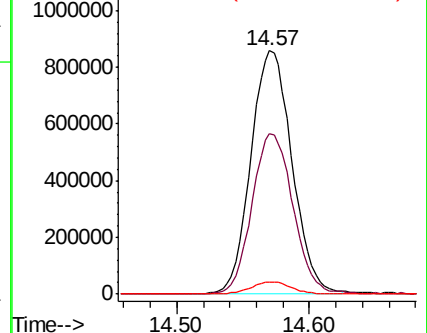
175 4.9 3.8 5.8

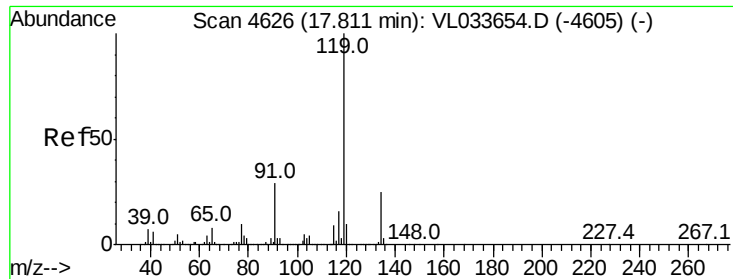


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

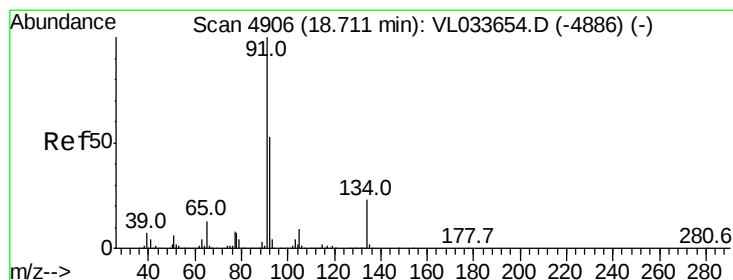
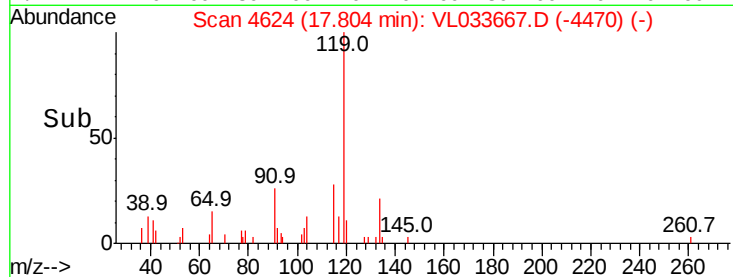
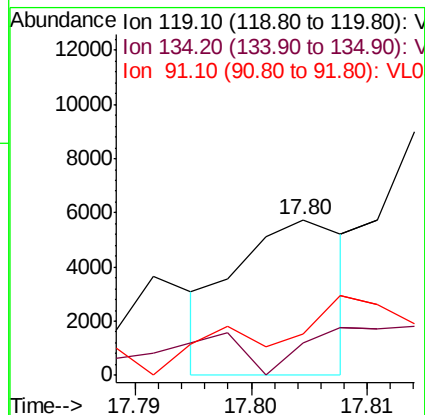
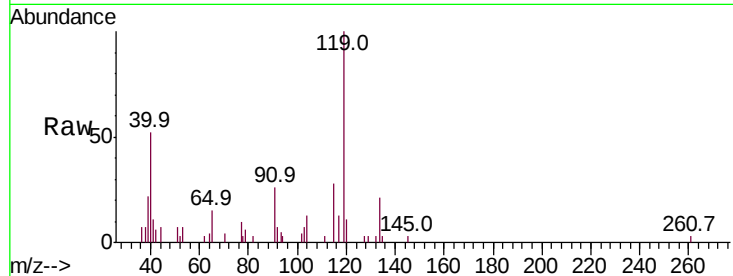




#69
 p-Isopropyltoluene
 Concen: 0.010 ppbv
 RT: 17.80 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

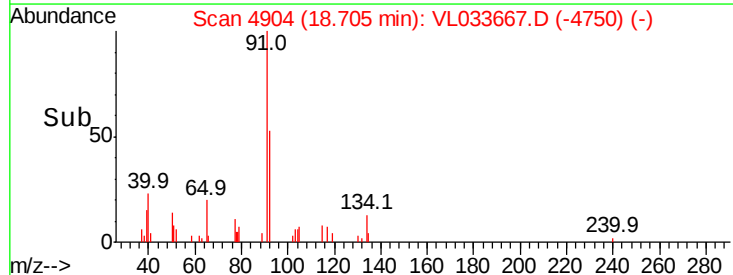
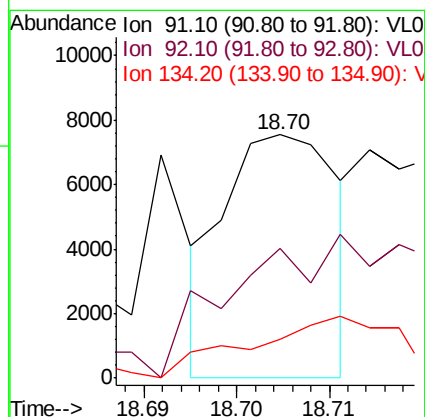
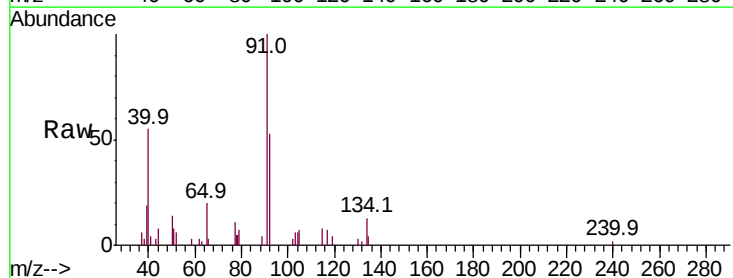
Instrument :
 MSVOA_L
 ClientSampleID :

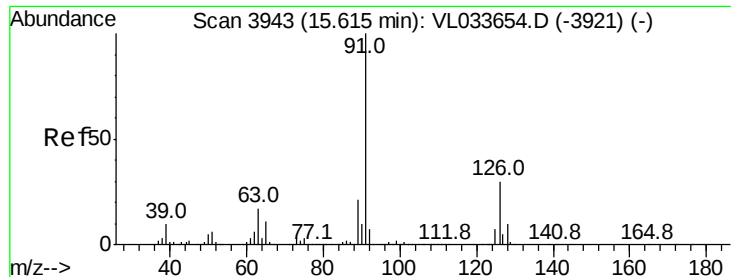
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.2	30.2#
91	153.7	23.4	35.2#



#70
 n-Butylbenzene
 Concen: 0.017 ppbv
 RT: 18.70 min Scan# 4904
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.5	63.7#
134	0.0	18.0	27.0#

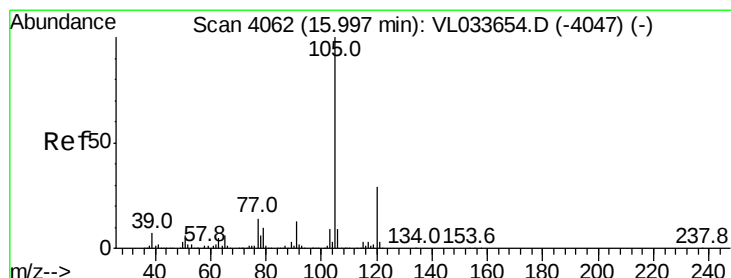
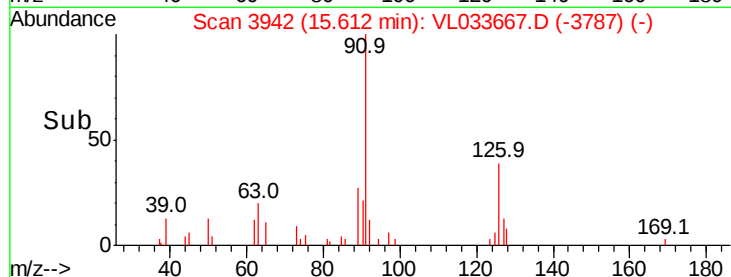
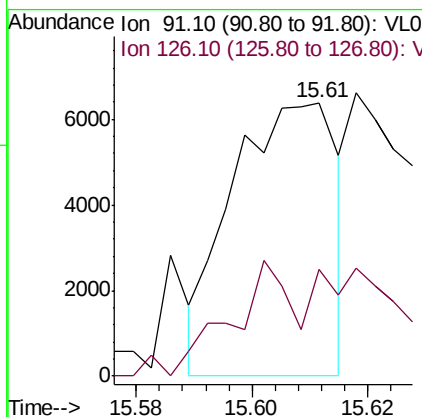
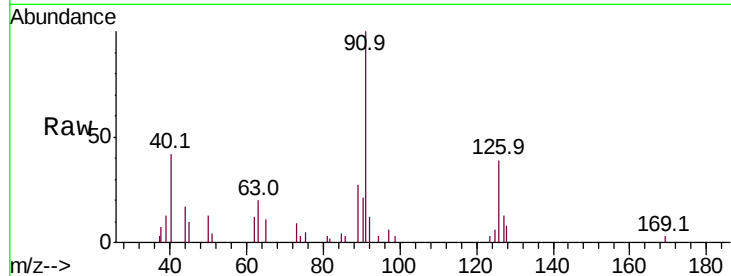




#71
 2-Chlorotoluene
 Concen: 0.032 ppbv
 RT: 15.61 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

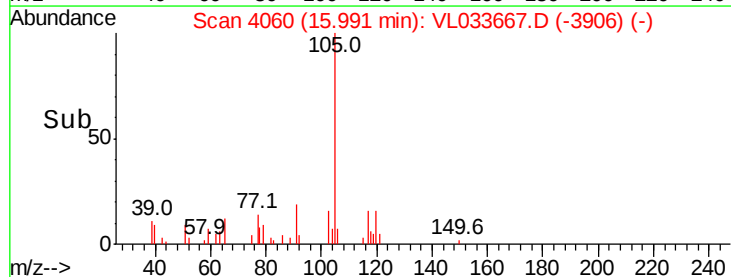
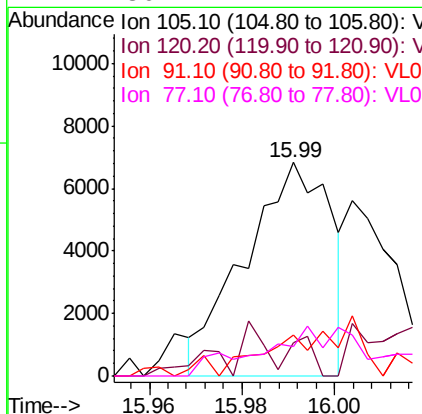
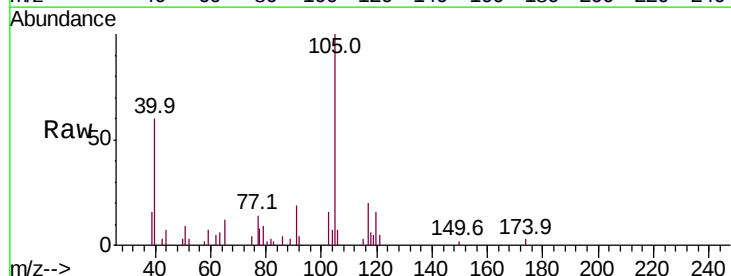
Instrument :
 MSVOA_L
 ClientSampleId :

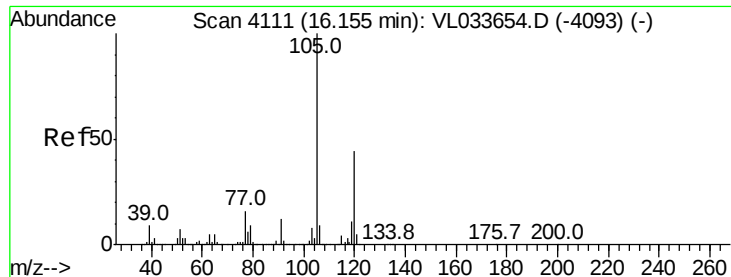
Tot Ion: 91 Resp: 8012
 Ion Ratio Lower Upper
 91 100
 126 61.6 12.0 47.8#



#72
 4-Ethyltoluene
 Concen: 0.030 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion:105 Resp: 8802
 Ion Ratio Lower Upper
 105 100
 120 35.5 23.0 34.6#
 91 0.0 10.5 15.7#
 77 30.7 11.4 17.2#

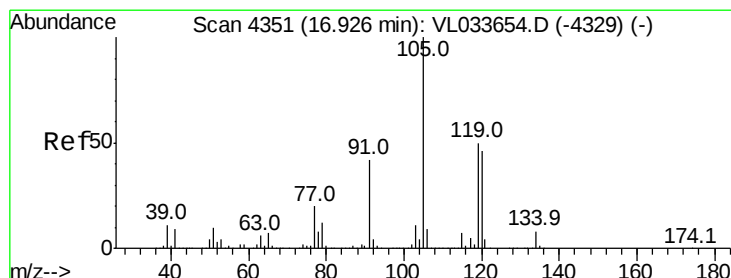
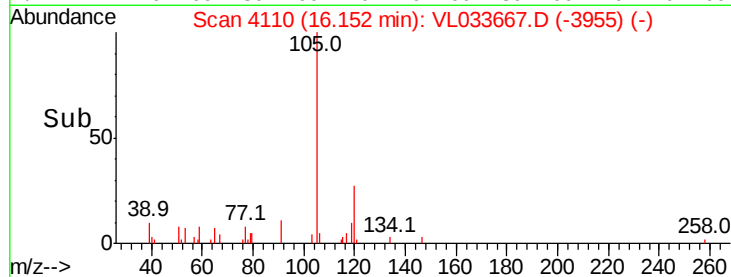
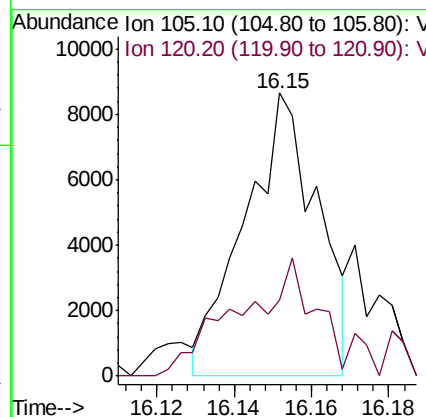
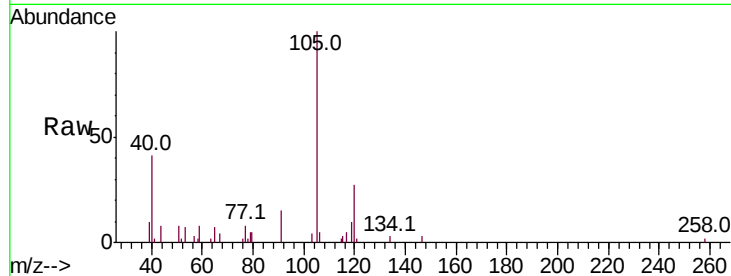




#73
 1,3,5-Trimethylbenzene
 Concen: 0.040 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.00 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

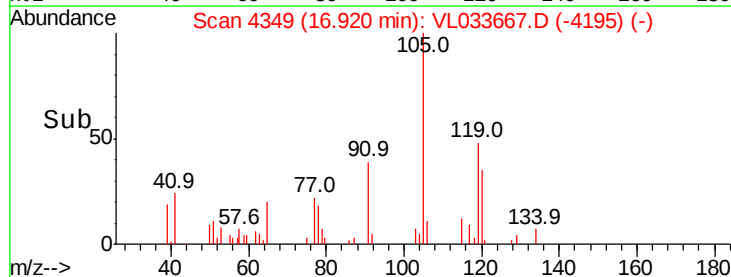
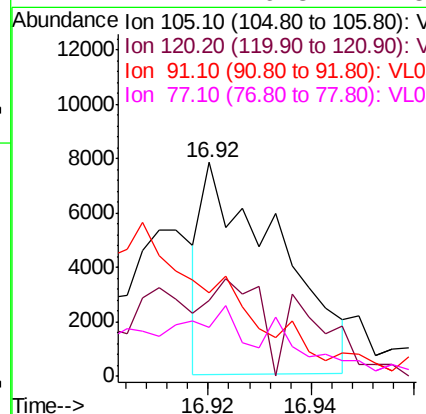
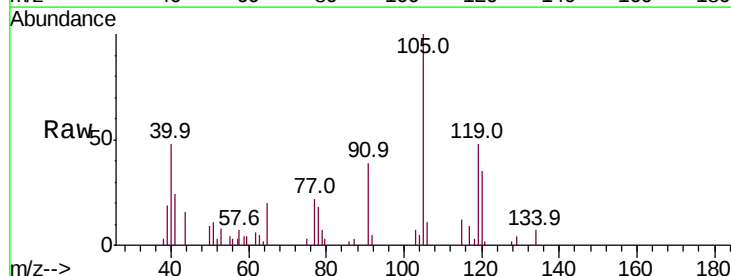
Instrument :
 MSVOA_L
 ClientSampled :

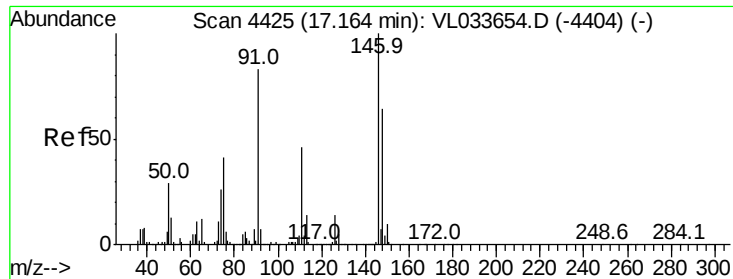
Tot Ion:105 Resp: 11310
 Ion Ratio Lower Upper
 105 100
 120 27.4 35.5 53.3#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.025 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033667.D
 Acq: 6 May 2019 20:27

Tgt Ion:105 Resp: 7971
 Ion Ratio Lower Upper
 105 100
 120 18.5 36.5 54.7#
 91 38.5 33.7 50.5
 77 21.1 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 0.054 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

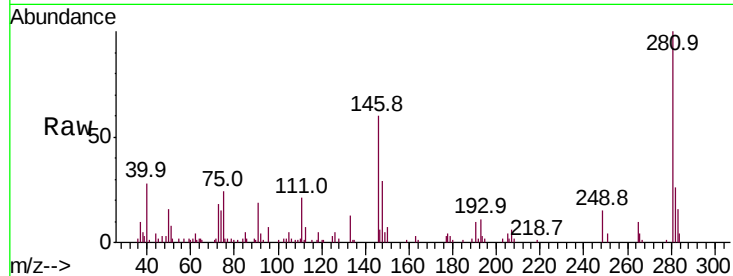
Tot Ion:146 Resp: 10313

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.7#

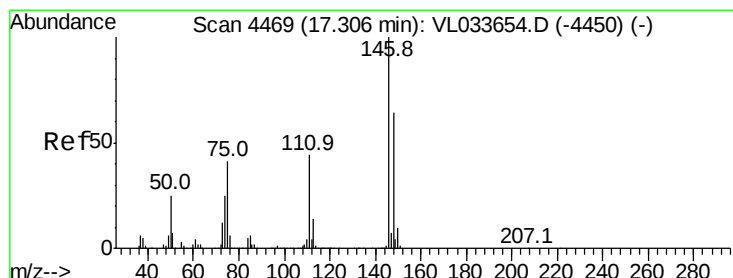
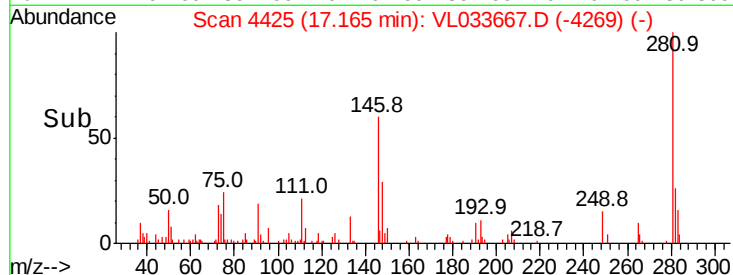
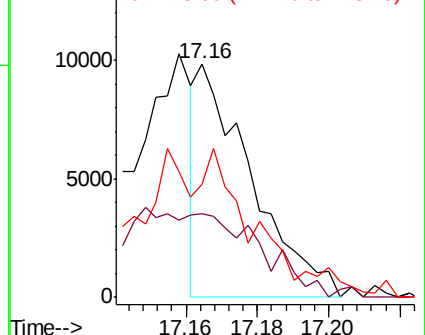
148 0.0 31.8 95.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.039 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

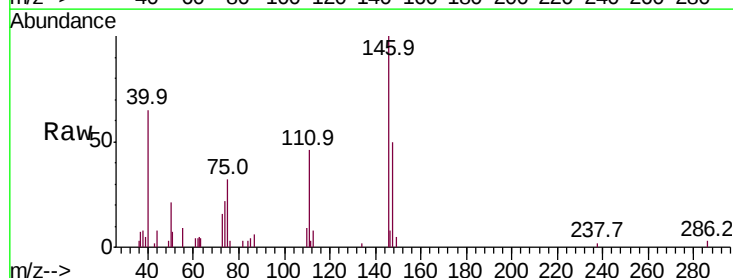
Tgt Ion:146 Resp: 7146

Ion Ratio Lower Upper

146 100

111 0.0 22.0 66.0#

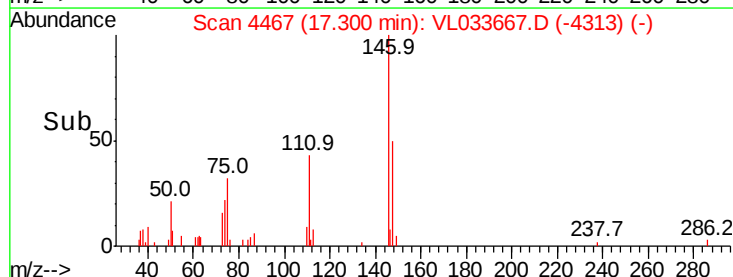
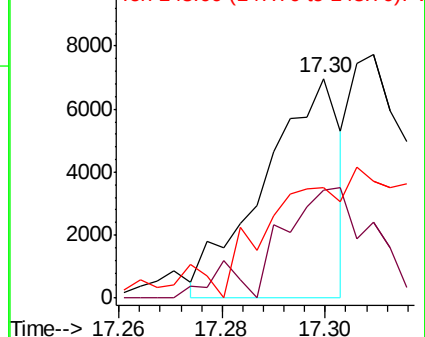
148 0.0 32.1 96.5#

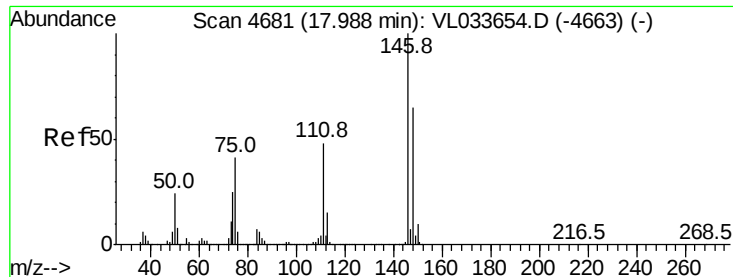


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.033 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

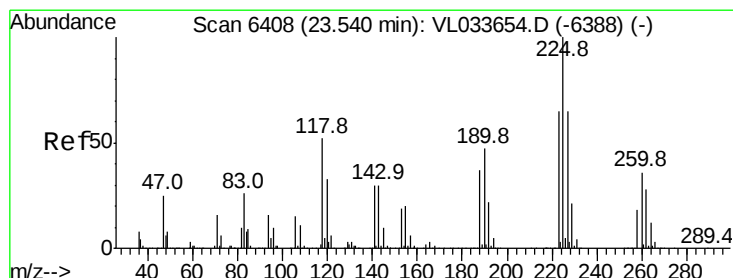
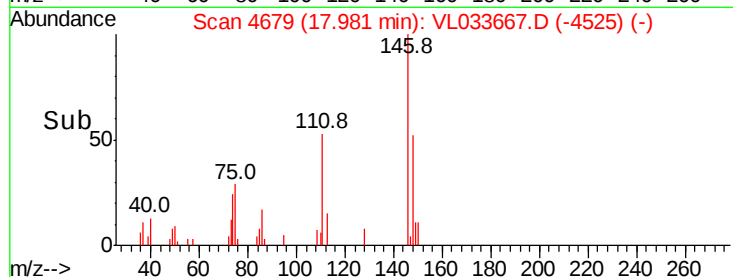
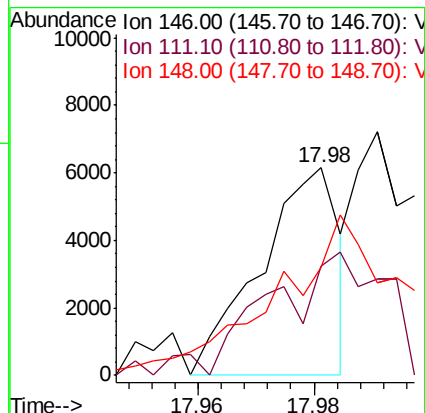
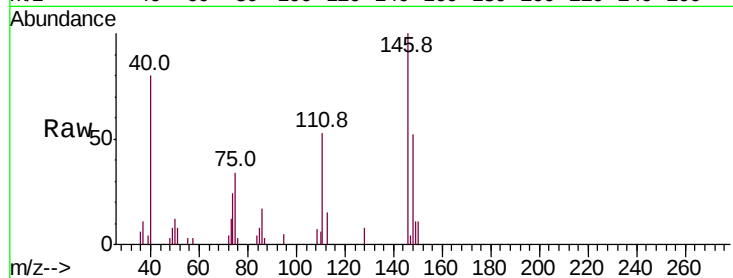
Tot Ion:146 Resp: 5785

Ion Ratio Lower Upper

146 100

111 112.0 23.4 70.0#

148 150.7 31.9 95.9#



#78

Hexachloro-1,3-Butadiene

Concen: 0.101 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

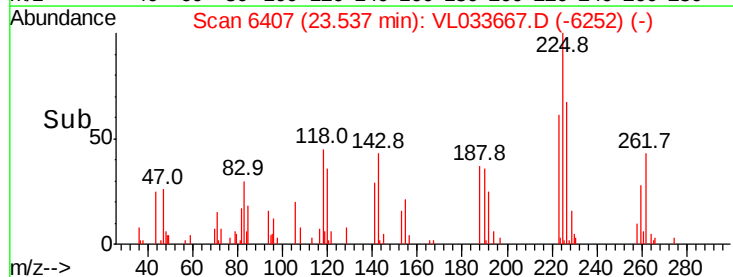
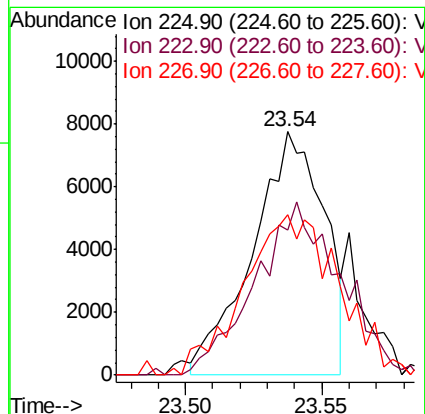
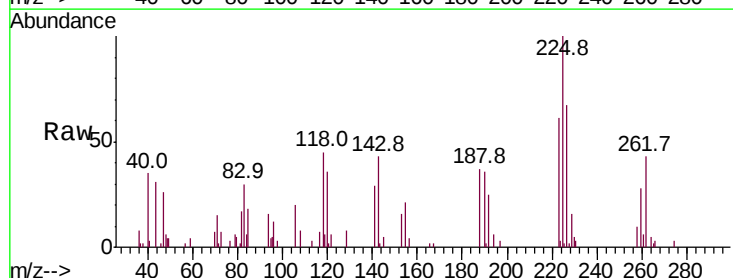
Tgt Ion:225 Resp: 14162

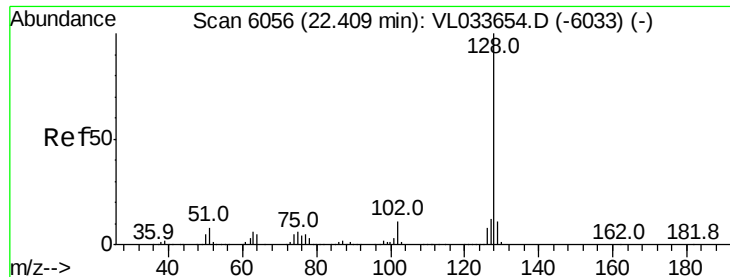
Ion Ratio Lower Upper

225 100

223 84.6 50.7 76.1#

227 87.4 51.4 77.2#





#79

Naphthalene

Concen: 0.024 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampled :

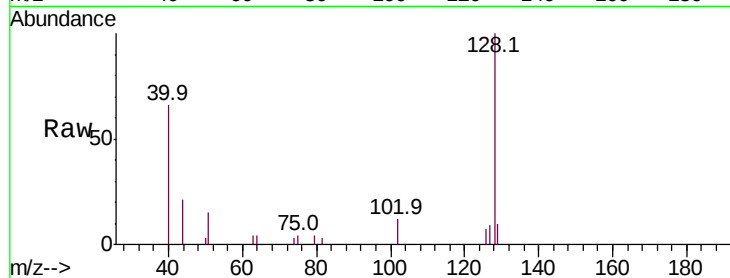
Tot Ion:128 Resp: 7060

Ion Ratio Lower Upper

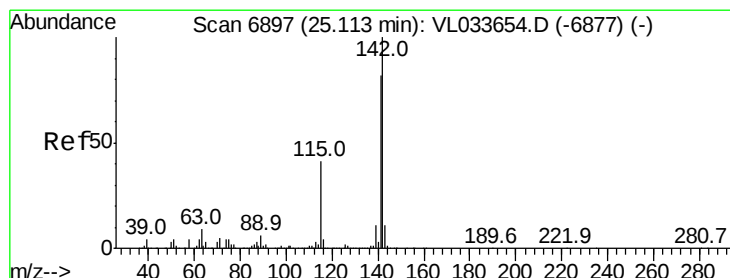
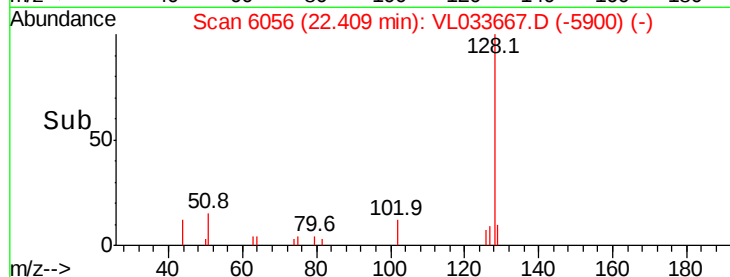
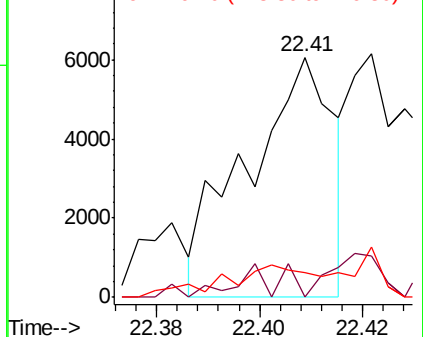
128 100

127 0.0 9.8 14.8#

129 5.6 8.8 13.2#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.044 ppbv

RT: 25.13 min Scan# 6903

Delta R.T. 0.02 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

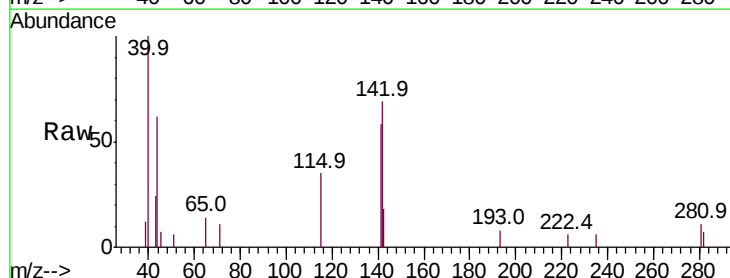
Tgt Ion:142 Resp: 4771

Ion Ratio Lower Upper

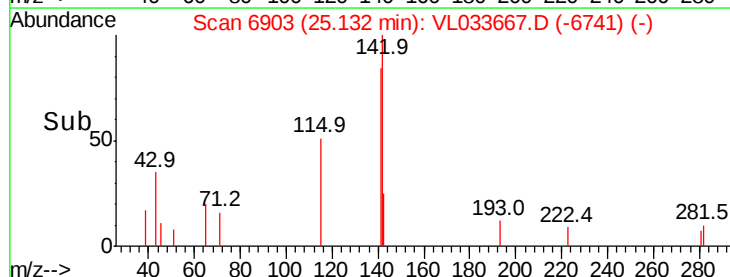
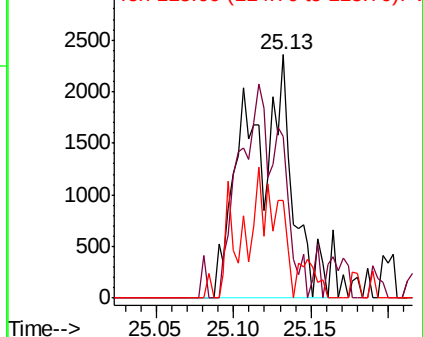
142 100

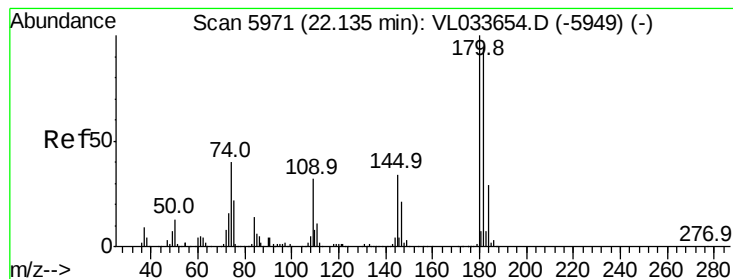
141 84.0 67.9 101.9

115 48.1 34.2 51.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.017 ppbv

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033667.D

Acq: 6 May 2019 20:27

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 2881

Ion Ratio Lower Upper

180 100

182 387.6 77.4 116.0#

184 71.3 24.6 36.8#

