

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
 Data File : VL033267.D
 Acq On : 8 Mar 2019 21:31
 Operator : SY/AP
 Sample : 0.4 PPB MDL
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Quant Time: Mar 09 03:45:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 03:32:03 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1022796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2273486	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2254690	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1807715	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	98027	0.507	ppbv	96
3) Chlorodifluoromethane	3.02	51	55660	0.480	ppbv	99
4) Chloromethane	3.17	50	28128	0.465	ppbv	99
5) Vinyl Chloride	3.29	62	26280	0.434	ppbv	94
6) Bromomethane	3.52	94	7701	0.207	ppbv #	60
7) Chloroethane	3.60	64	9454	0.431	ppbv #	82
8) Dichlorotetrafluoroethane	3.22	85	71771	0.475	ppbv	99
9) Propene	3.04	41	22531	0.440	ppbv	96
10) Heptane	8.25	43	49199	0.352	ppbv	95
11) Trichlorofluoromethane	4.00	101	78600	0.465	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	50204	0.452	ppbv	99
13) Ethanol	3.66	45	7499	0.506	ppbv	66
14) Bromoethene	3.79	108	20758	0.456	ppbv	93
15) Acetone	3.92	43	58115	0.479	ppbv	93
16) 1,3-Butadiene	3.36	39	21322	0.424	ppbv	93
17) tert-Butyl alcohol	4.35	59	1220	0.062	ppbv #	75
18) 1,1-Dichloroethene	4.35	96	21113	0.434	ppbv	86
19) Isopropyl Alcohol	4.05	45	34541	0.474	ppbv #	92
20) Methylene Chloride	4.41	84	14252	0.286	ppbv	90
21) Allyl Chloride	4.48	41	29262	0.401	ppbv	93
22) trans-1,2-Dichloroethene	4.96	96	10056	0.202	ppbv	96
23) Vinyl Acetate	5.16	43	60749	0.349	ppbv #	93
24) 1,1-Dichloroethane	5.09	63	50493	0.396	ppbv	99
25) Ethyl Acetate	5.78	43	90007	0.388	ppbv	99
26) Hexane	5.78	57	43859	0.402	ppbv	92
27) Carbon Disulfide	4.62	76	41213	0.373	ppbv #	93
28) Methyl tert-Butyl Ether	5.13	73	52919	0.377	ppbv	97
29) Chloroform	5.85	83	69972	0.420	ppbv	94
30) Cyclohexane	7.24	84	14389	0.170	ppbv #	2
31) cis-1,2-Dichloroethene	5.64	61	37489	0.362	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	60005	0.381	ppbv	94
34) 2-Butanone	5.34	43	55965	0.407	ppbv	99
35) Carbon Tetrachloride	7.13	117	64491	0.418	ppbv	91
36) Benzene	7.00	78	75607	0.386	ppbv #	93
37) 1,2-Dichloroethane	6.41	62	52506	0.417	ppbv	99
38) Trichloroethene	7.95	130	20145	0.265	ppbv	90
39) 1,2-Dichloropropane	7.73	63	31116	0.405	ppbv #	91
41) Tetrahydrofuran	6.17	42	11310	0.146	ppbv #	30
42) Bromodichloromethane	7.91	83	67319	0.392	ppbv	96
43) Methyl Methacrylate	8.14	69	16440	0.209	ppbv #	15
44) 2,2,4-Trimethylpentane	7.98	57	67763	0.195	ppbv #	38

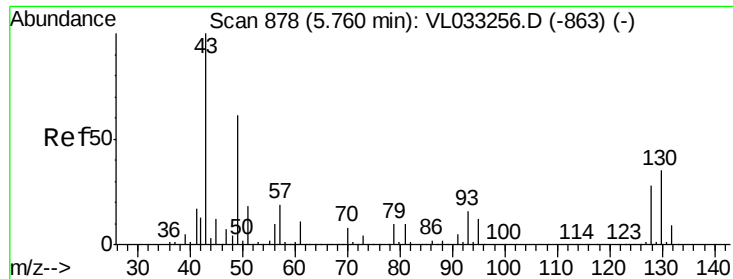
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
 Data File : VL033267.D
 Acq On : 8 Mar 2019 21:31
 Operator : SY/AP
 Sample : 0.4 PPB MDL
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 0.4 PPB MDL

Quant Time: Mar 09 03:45:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 03:32:03 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	11406	0.120	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	35375	0.315	ppbv #	83
47) 1,1,2-Trichloroethane	9.61	97	32624	0.396	ppbv #	84
48) Dibromochloromethane	10.45	129	46628	0.345	ppbv	97
49) Bromoform	13.20	173	38298	0.318	ppbv	97
50) 4-Methyl-2-Pentanone	8.89	43	73460	0.353	ppbv	97
51) 2-Hexanone	10.29	43	50698	0.327	ppbv #	92
52) Tetrachloroethene	11.36	164	11077	0.152	ppbv	88
53) Toluene	9.94	91	46336	0.207	ppbv #	53
54) 1,2-Dibromoethane	10.75	107	22259	0.172	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.28	131	20284	0.215	ppbv #	1
57) Chlorobenzene	12.30	112	72248	0.437	ppbv	95
58) Ethyl Benzene	12.86	91	108002	0.354	ppbv	93
59) m/p-Xylene	13.14	91	108562	0.393	ppbv	91
60) o-Xylene	13.85	91	91106	0.341	ppbv	98
61) Styrene	13.69	104	54121	0.297	ppbv	97
62) Isopropylbenzene	14.82	105	70497	0.197	ppbv #	51
63) 1,1,2,2-Tetrachloroethane	13.84	83	33026	0.192	ppbv #	17
64) n-propylbenzene	15.72	120	17336	0.199	ppbv	81
65) tert-Butylbenzene	16.90	119	55188	0.184	ppbv #	17
66) Benzyl Chloride	17.16	91	26705	0.237	ppbv #	97
67) sec-Butylbenzene	17.45	105	81932	0.192	ppbv #	65
69) p-Isopropyltoluene	17.82	119	113378	0.327	ppbv	95
70) n-Butylbenzene	18.71	91	62215	0.166	ppbv #	34
71) 2-Chlorotoluene	15.61	91	94211	0.353	ppbv	97
72) 4-Ethyltoluene	16.00	105	94430	0.339	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.16	105	85086	0.321	ppbv	94
74) 1,2,4-Trimethylbenzene	16.92	105	93796	0.340	ppbv #	95
75) 1,3-Dichlorobenzene	17.16	146	56212	0.345	ppbv	86
76) 1,4-Dichlorobenzene	17.31	146	58514	0.366	ppbv	98
77) 1,2-Dichlorobenzene	17.98	146	28913	0.184	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.55	225	34942	0.294	ppbv #	73
79) Naphthalene	22.42	128	48051	0.160	ppbv #	90
80) Naphthalene,2-methyl-	25.12	142	3500	0.048	ppbv #	40
81) 1,2,4-Trichlorobenzene	22.13	180	12842	0.083	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

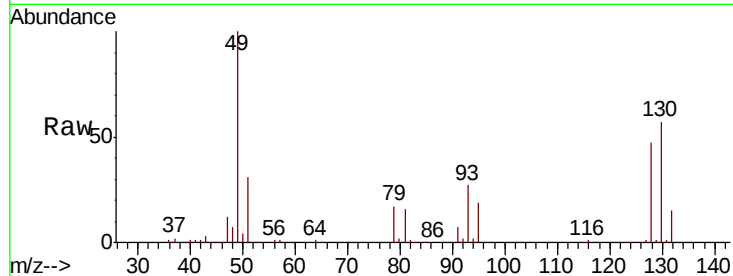
Tgt Ion: 49 Resp: 1022796

Ion Ratio Lower Upper

49 100

128 45.5 22.5 67.5

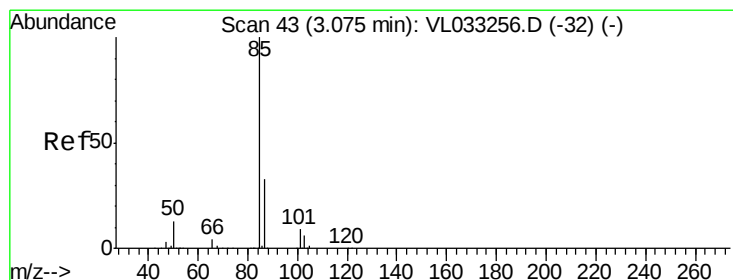
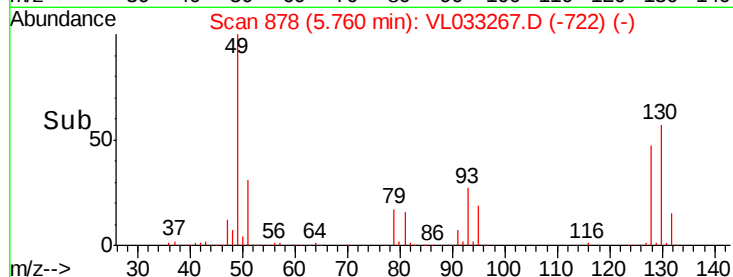
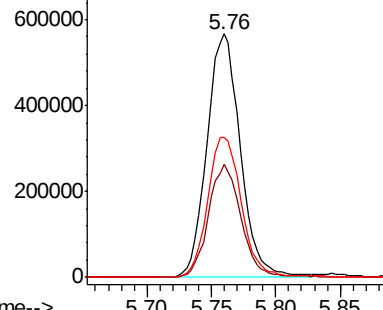
130 58.5 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.507 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033267.D

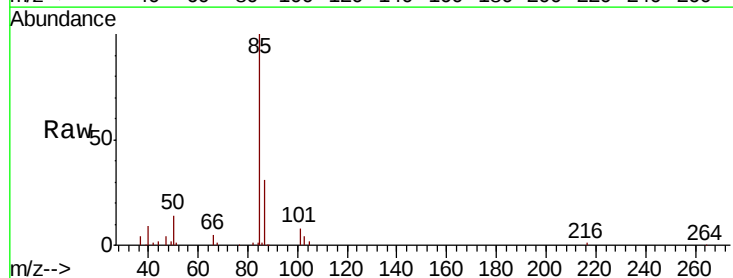
Acq: 8 Mar 2019 21:31

Tgt Ion: 85 Resp: 98027

Ion Ratio Lower Upper

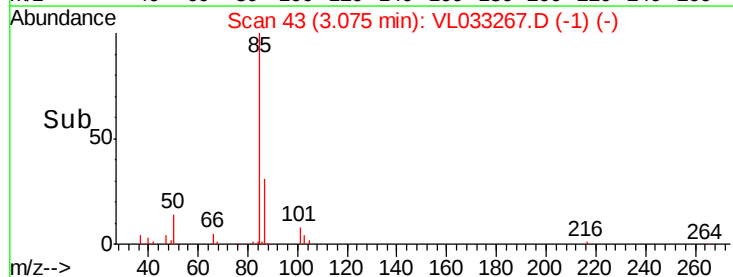
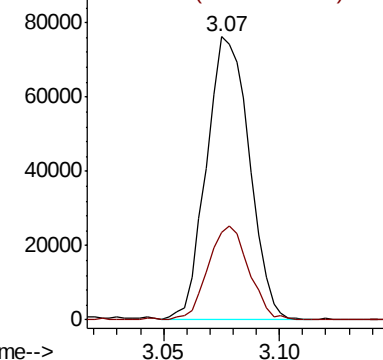
85 100

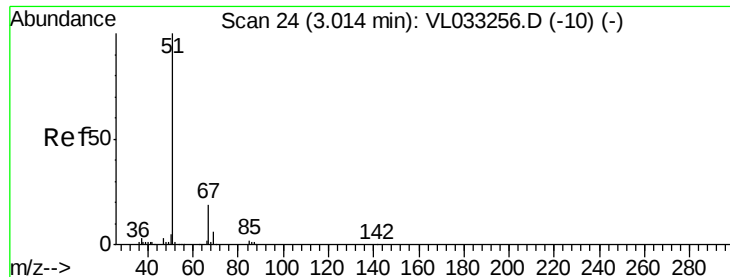
87 30.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.480 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

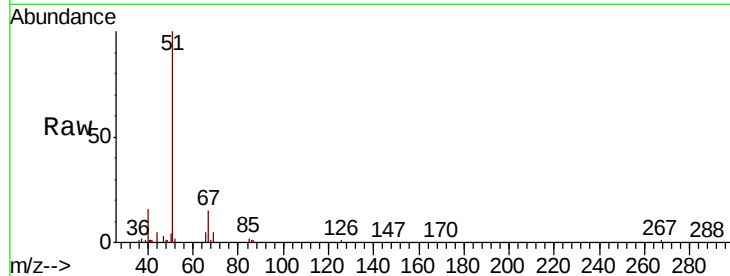
0.4 PPB MDL

Tgt Ion: 51 Resp: 55660

Ion Ratio Lower Upper

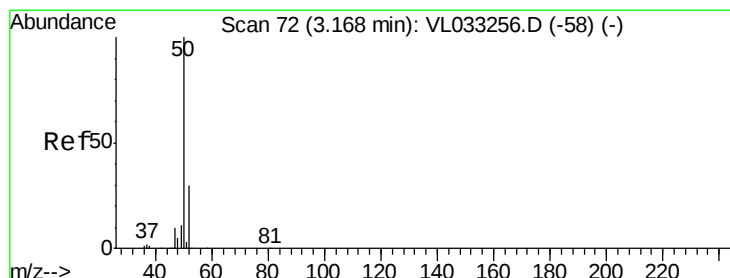
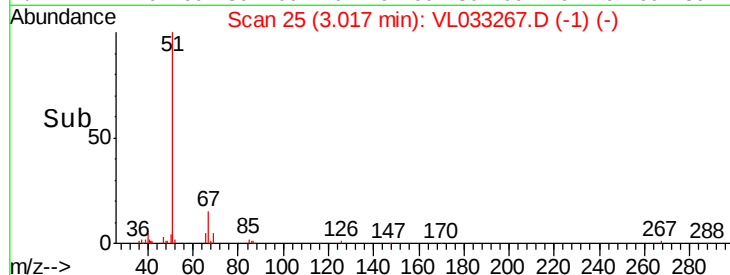
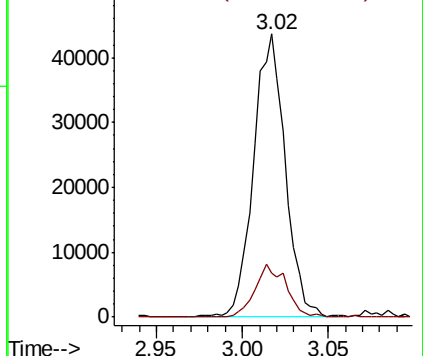
51 100

67 18.3 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.465 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033267.D

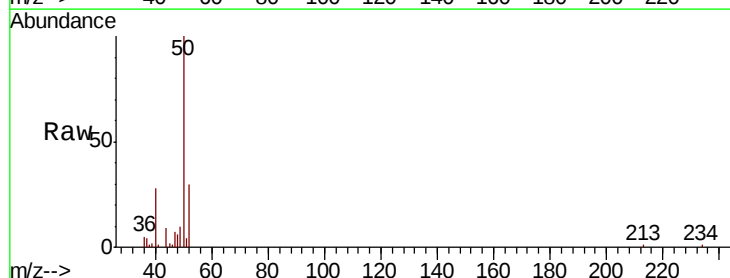
Acq: 8 Mar 2019 21:31

Tgt Ion: 50 Resp: 28128

Ion Ratio Lower Upper

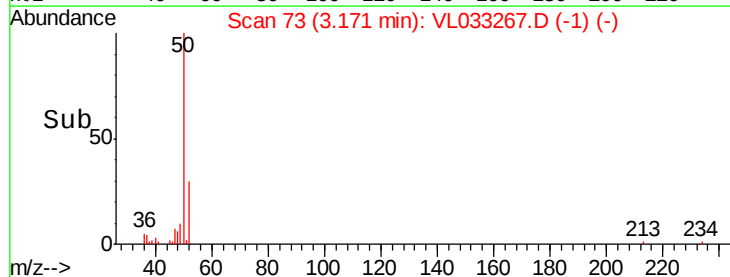
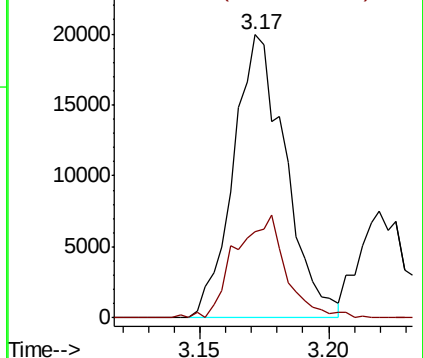
50 100

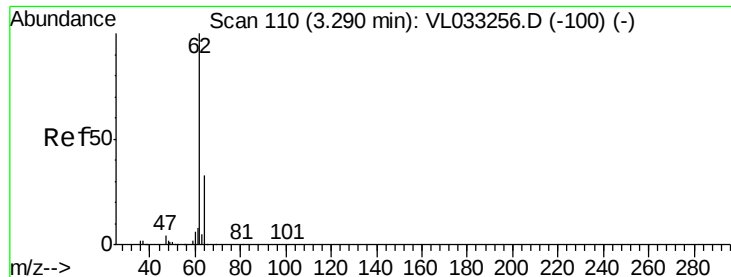
52 30.9 24.2 36.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.434 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

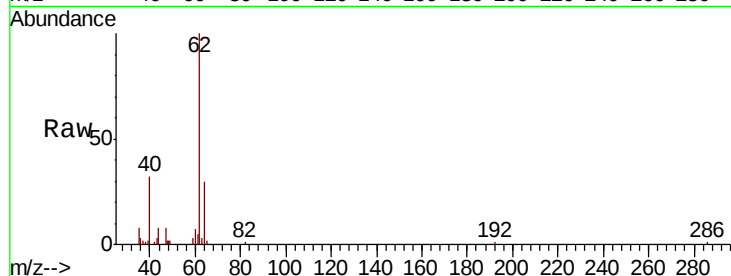
0.4 PPB MDL

Tgt Ion: 62 Resp: 26280

Ion Ratio Lower Upper

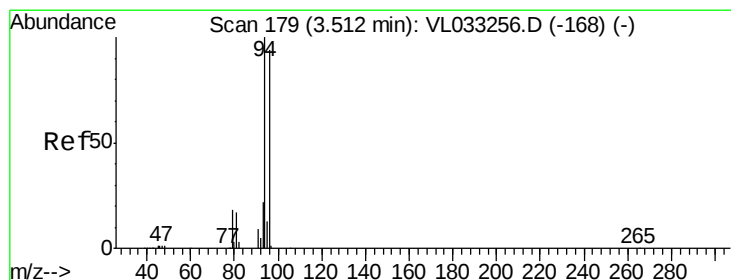
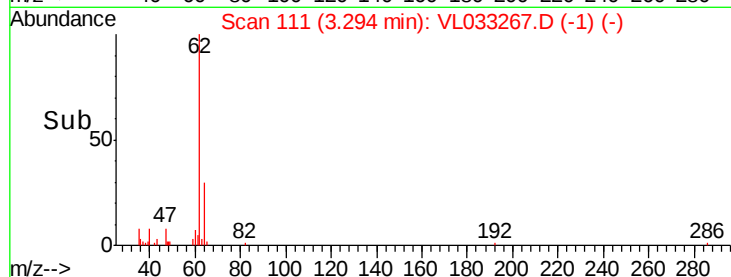
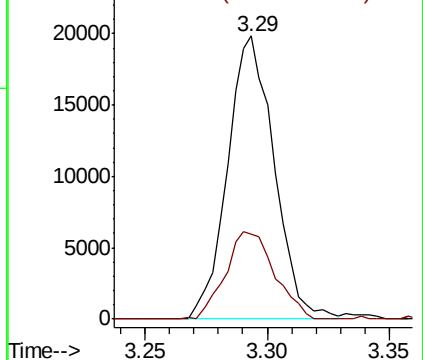
62 100

64 29.9 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.207 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.01 min

Lab File: VL033267.D

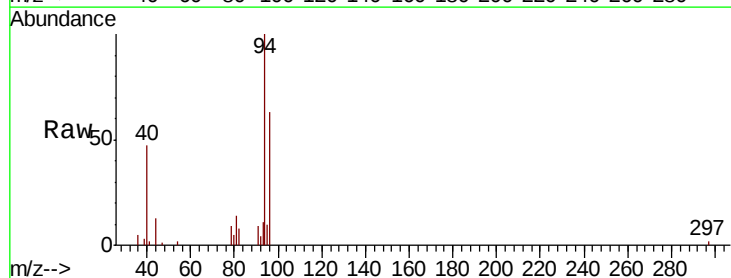
Acq: 8 Mar 2019 21:31

Tgt Ion: 94 Resp: 7701

Ion Ratio Lower Upper

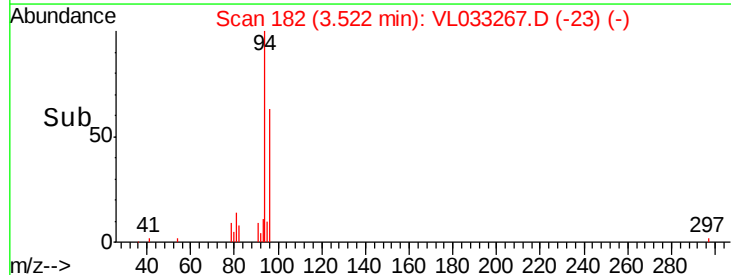
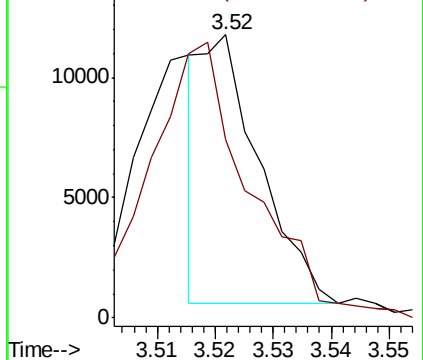
94 100

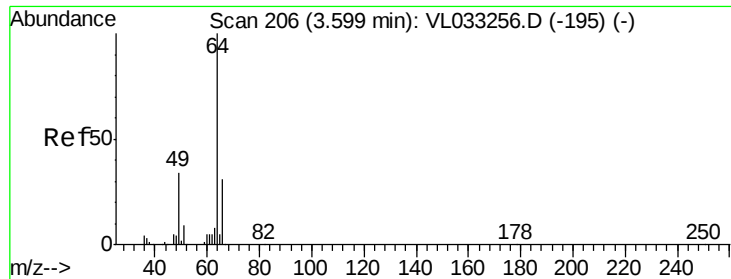
96 55.3 75.3 112.9#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.431 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

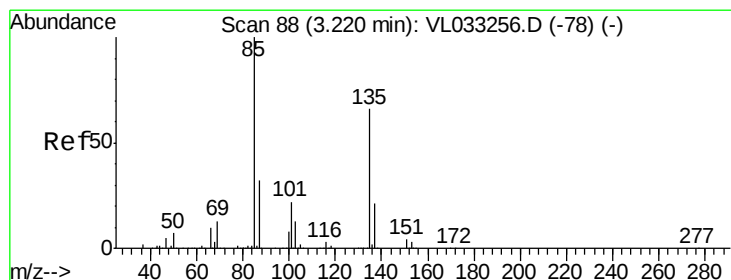
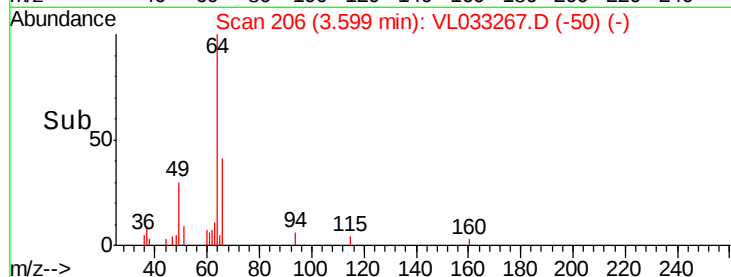
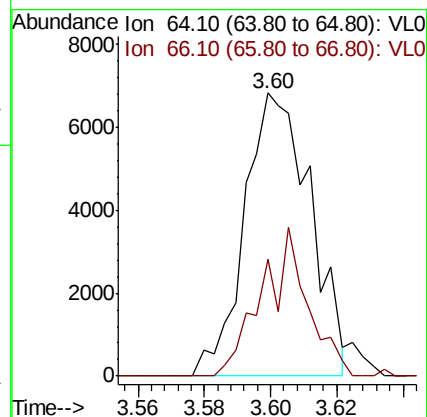
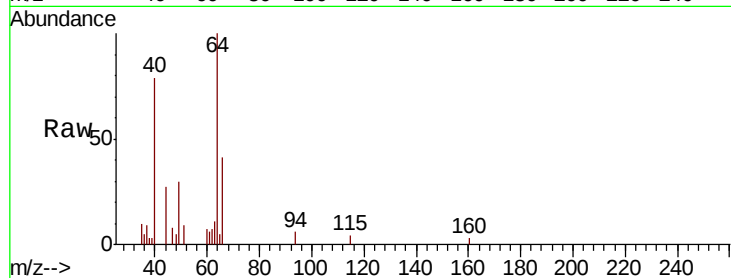
0.4 PPB MDL

Tgt Ion: 64 Resp: 9454

Ion Ratio Lower Upper

64 100

66 41.5 25.2 37.8#



#8

Dichlorotetrafluoroethane

Concen: 0.475 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033267.D

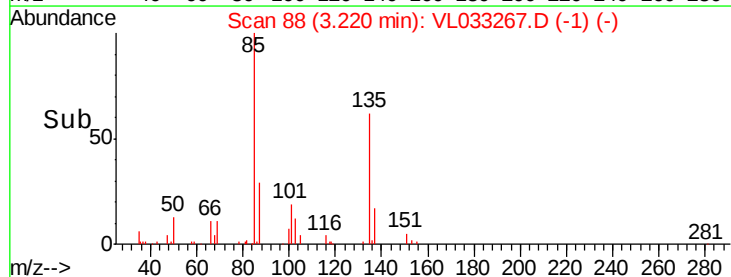
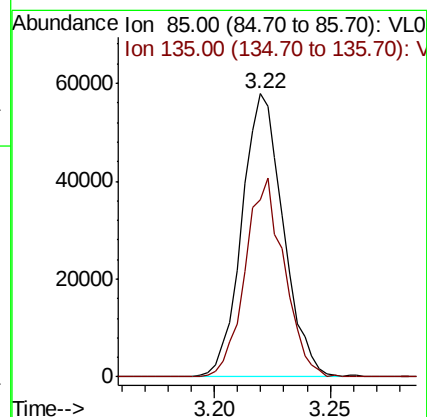
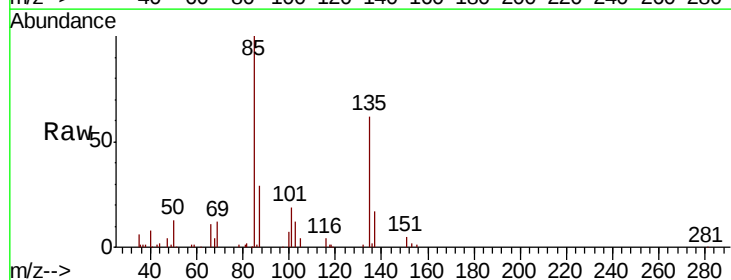
Acq: 8 Mar 2019 21:31

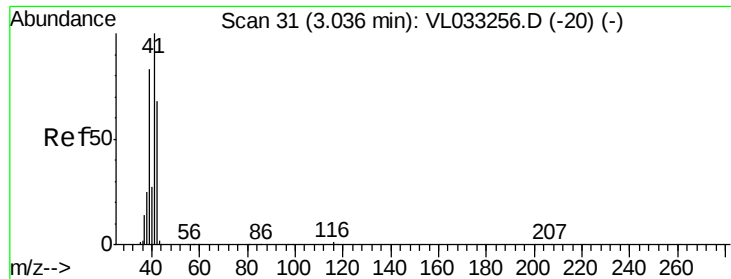
Tgt Ion: 85 Resp: 71771

Ion Ratio Lower Upper

85 100

135 66.4 52.3 78.5





#9

Propene

Concen: 0.440 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

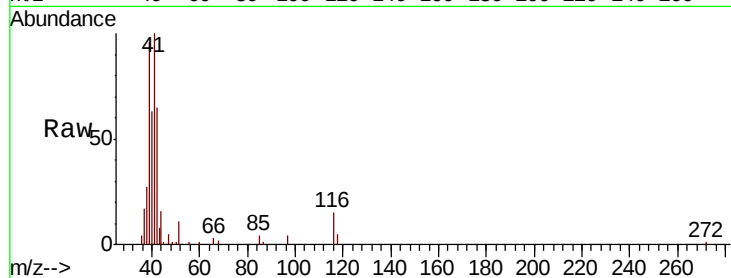
0.4 PPB MDL

Tgt Ion: 41 Resp: 22531

Ion Ratio Lower Upper

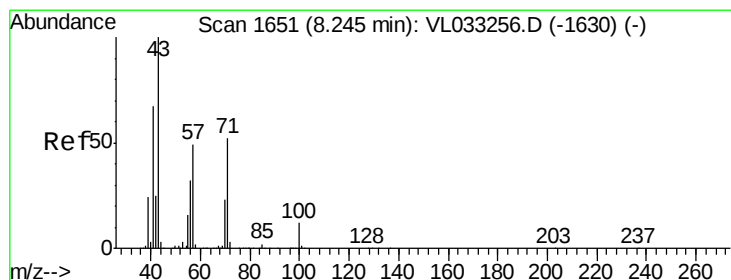
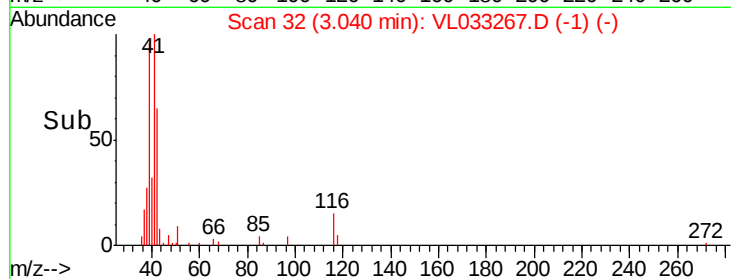
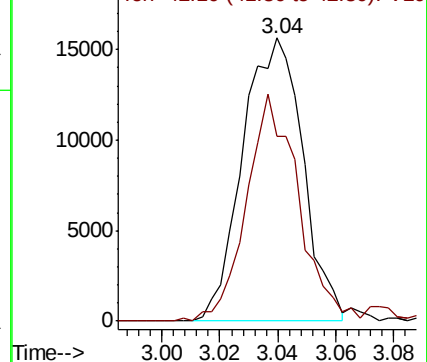
41 100

42 71.9 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.352 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033267.D

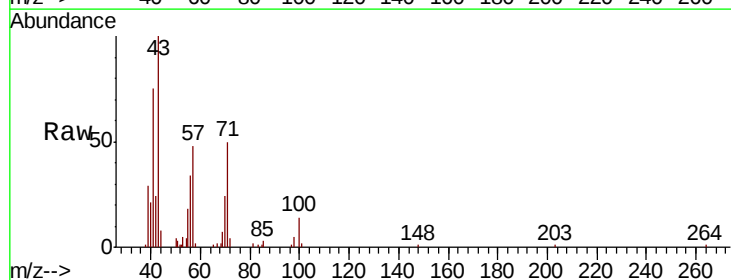
Acq: 8 Mar 2019 21:31

Tgt Ion: 43 Resp: 49199

Ion Ratio Lower Upper

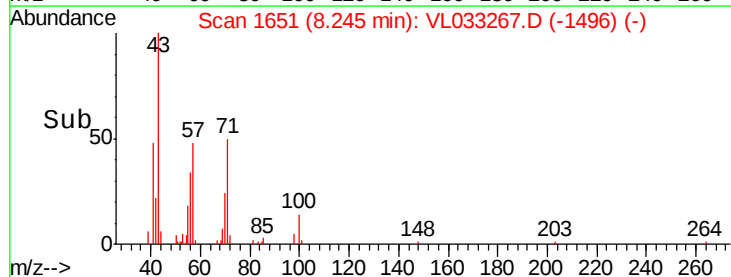
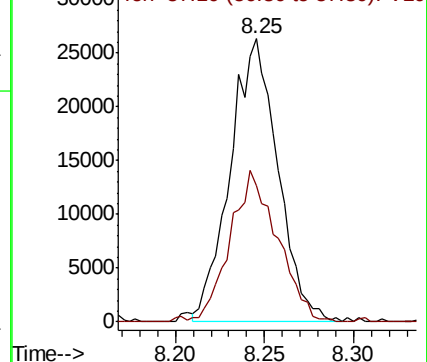
43 100

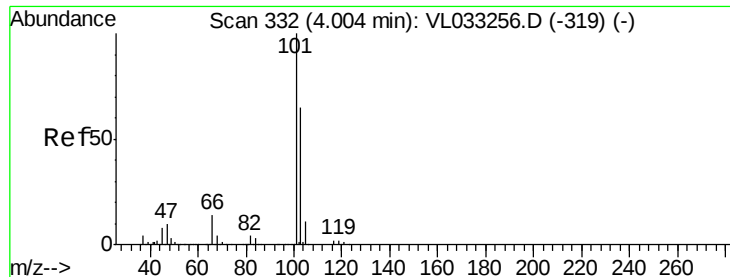
57 53.5 40.0 60.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

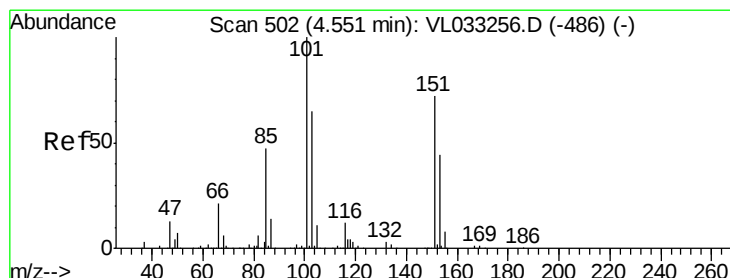
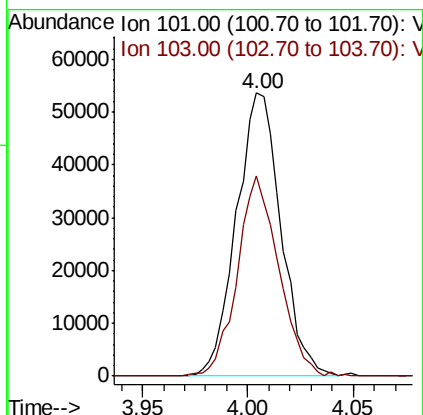
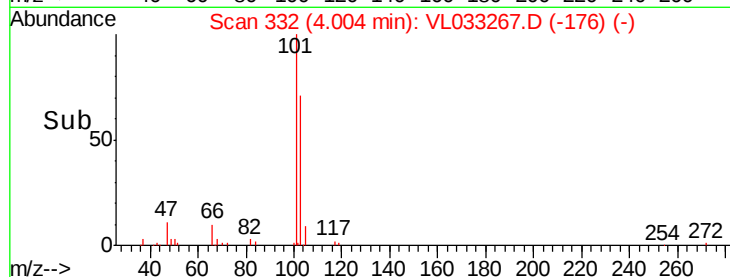
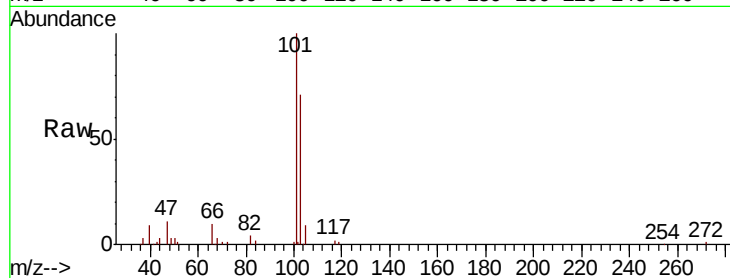




#11
 Trichlorofluoromethane
 Concen: 0.465 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

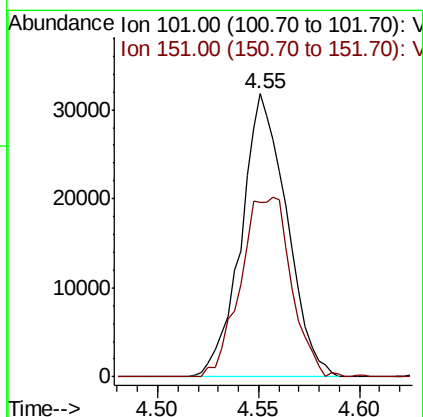
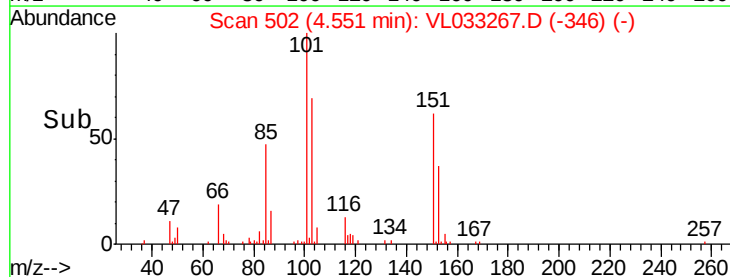
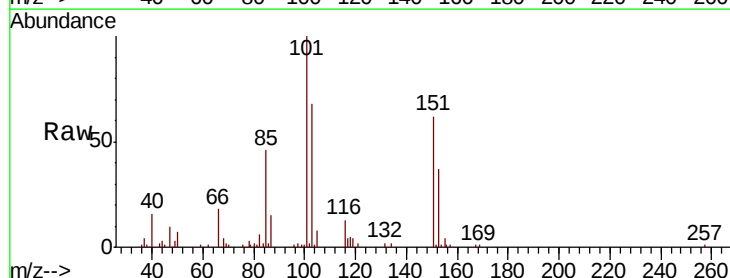
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

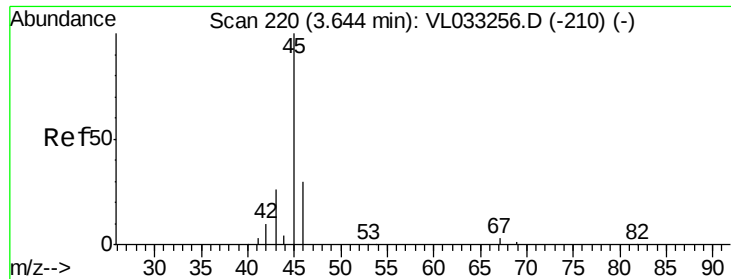
Tgt Ion:101 Resp: 78600
 Ion Ratio Lower Upper
 101 100
 103 70.3 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.452 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion:101 Resp: 50204
 Ion Ratio Lower Upper
 101 100
 151 70.6 57.2 85.8





#13

Ethanol

Concen: 0.506 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

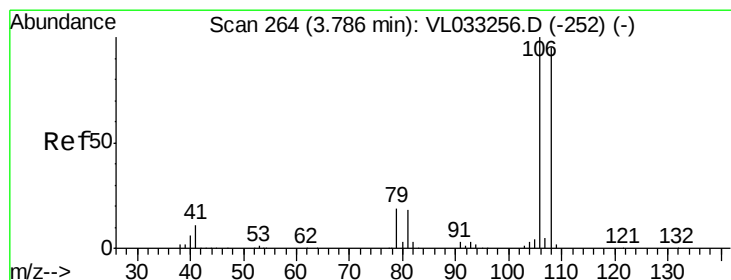
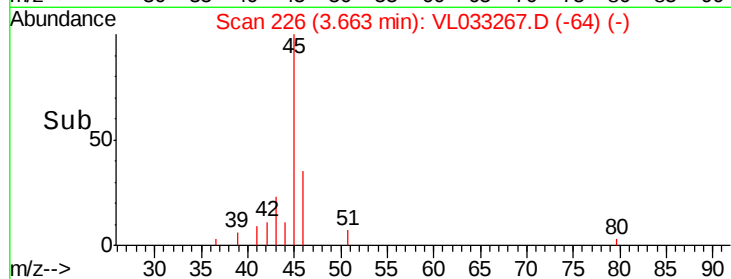
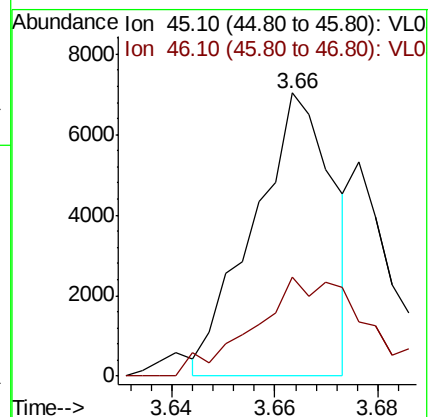
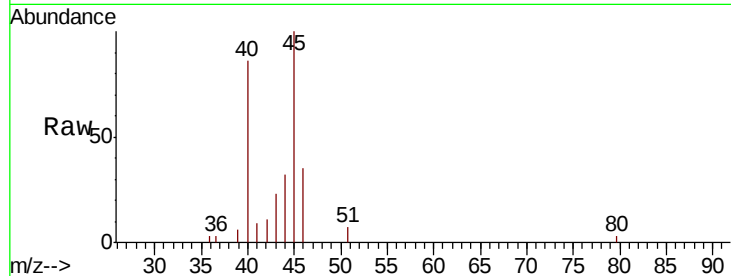
0.4 PPB MDL

Tgt Ion: 45 Resp: 7499

Ion Ratio Lower Upper

45 100

46 57.5 14.9 59.7



#14

Bromoethene

Concen: 0.456 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

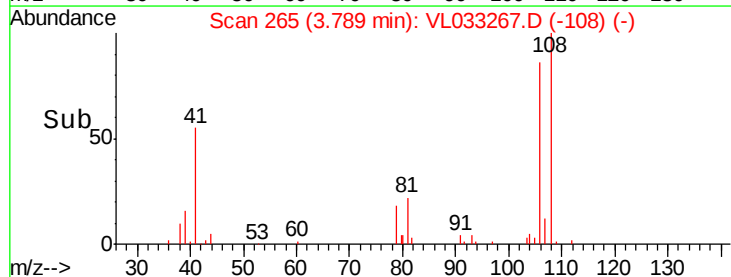
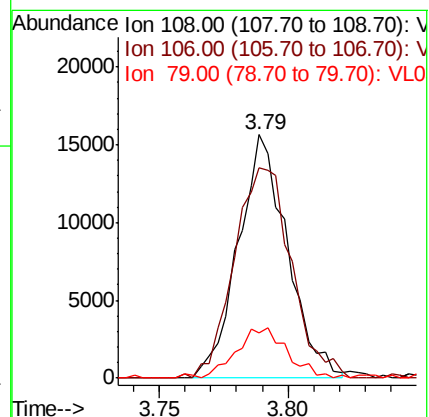
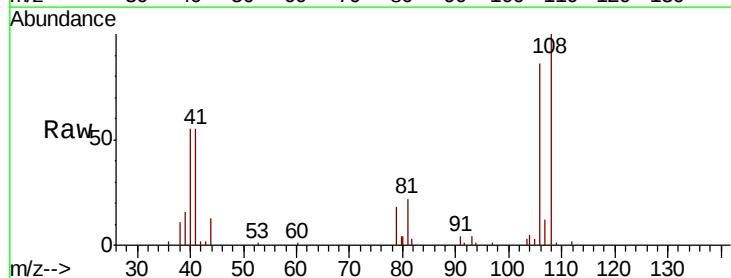
Tgt Ion: 108 Resp: 20758

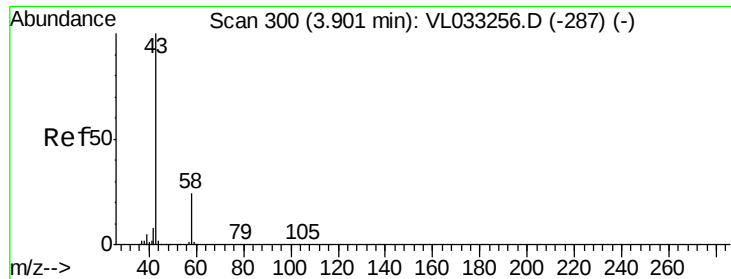
Ion Ratio Lower Upper

108 100

106 100.5 86.9 130.3

79 21.7 15.8 23.6





#15

Acetone

Concen: 0.479 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

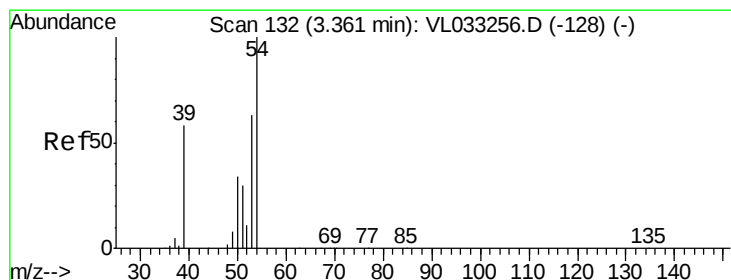
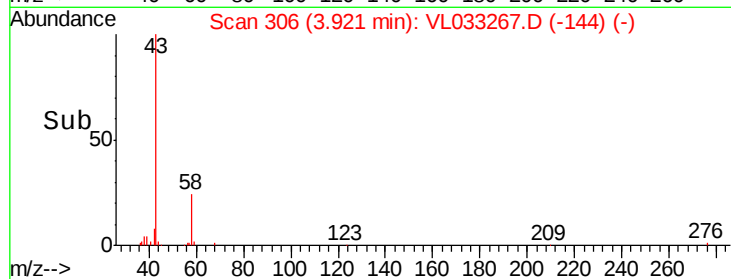
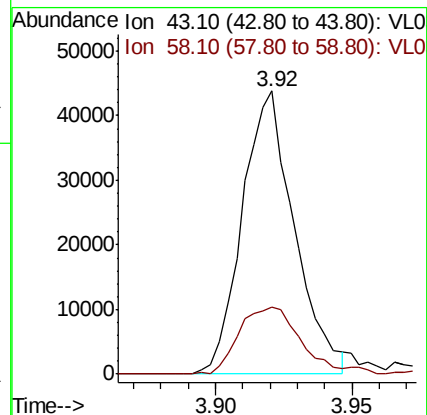
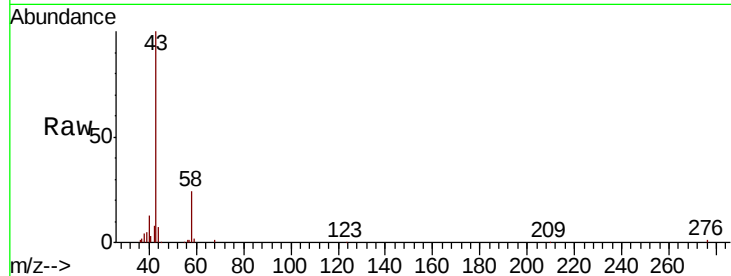
0.4 PPB MDL

Tgt Ion: 43 Resp: 58115

Ion Ratio Lower Upper

43 100

58 28.7 20.2 30.2



#16

1,3-Butadiene

Concen: 0.424 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033267.D

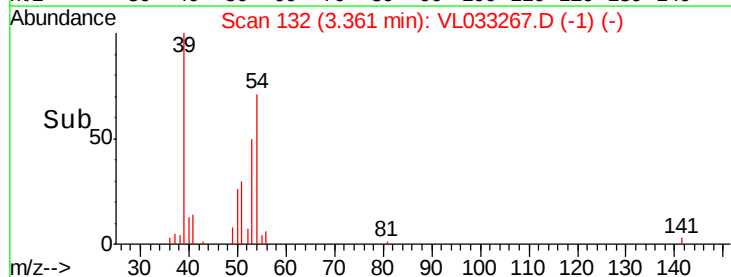
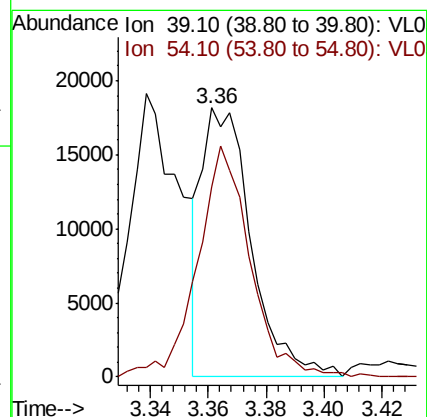
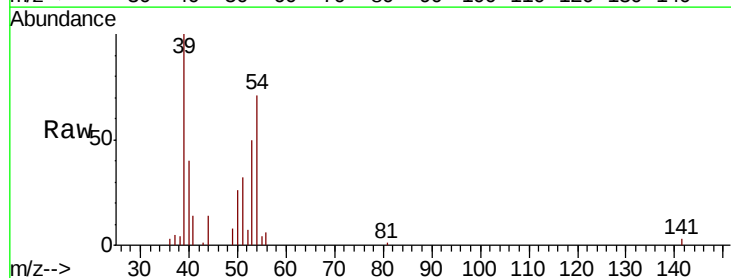
Acq: 8 Mar 2019 21:31

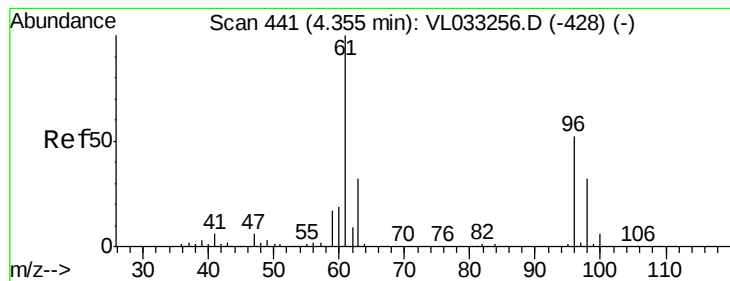
Tgt Ion: 39 Resp: 21322

Ion Ratio Lower Upper

39 100

54 92.4 68.6 103.0





#17

tert-Butyl alcohol

Concen: 0.062 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

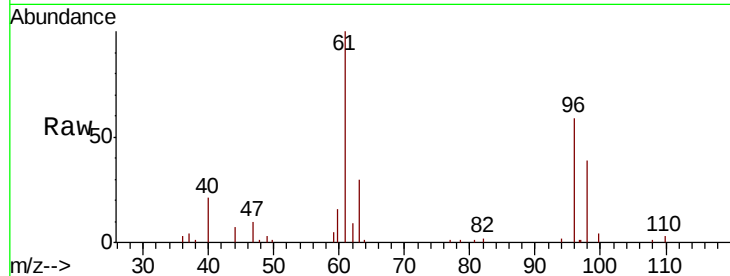
0.4 PPB MDL

Tgt Ion: 59 Resp: 1220

Ion Ratio Lower Upper

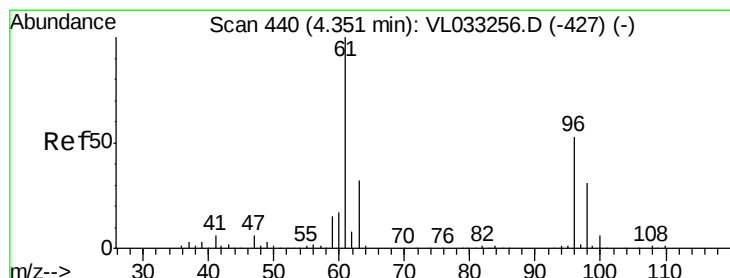
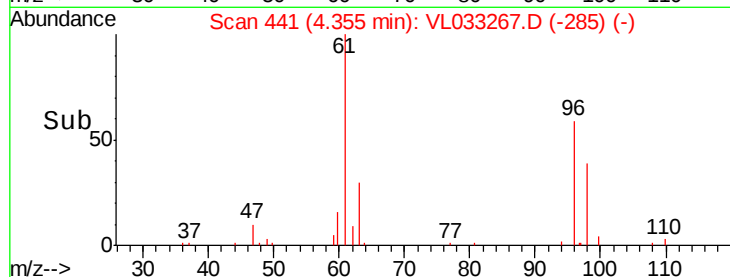
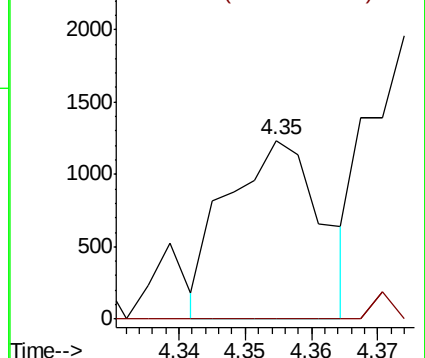
59 100

57 0.0 7.2 10.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.434 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

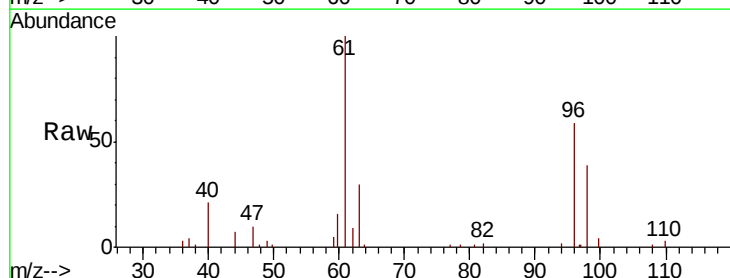
Tgt Ion: 96 Resp: 21113

Ion Ratio Lower Upper

96 100

61 165.0 150.6 226.0

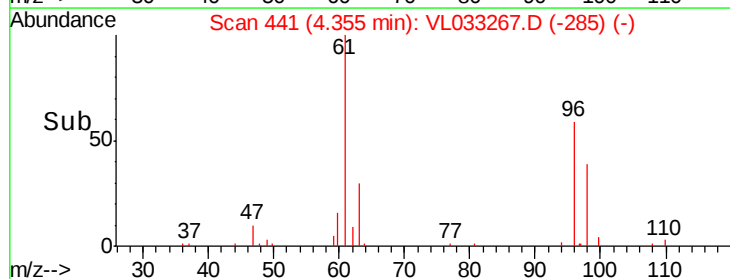
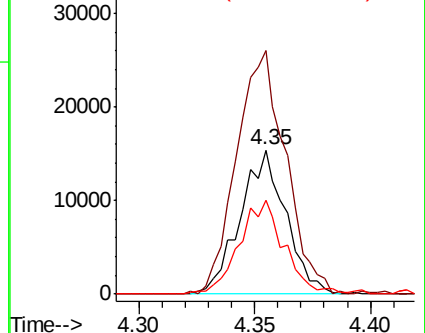
98 63.7 47.0 70.4

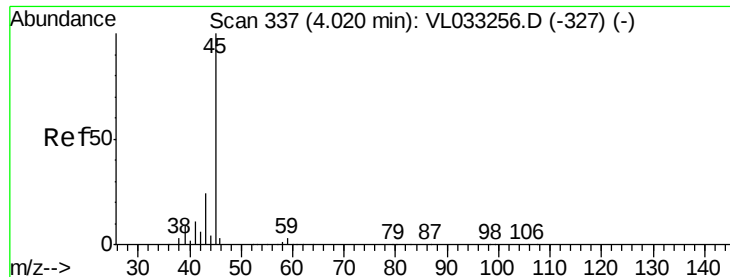


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

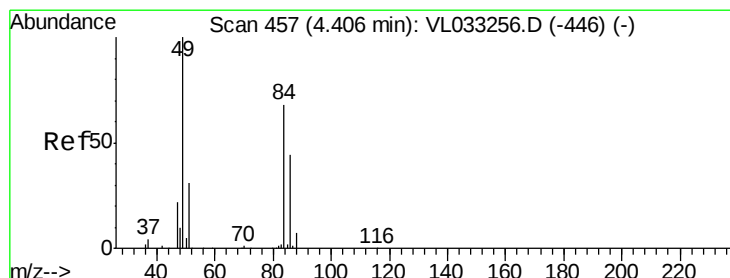
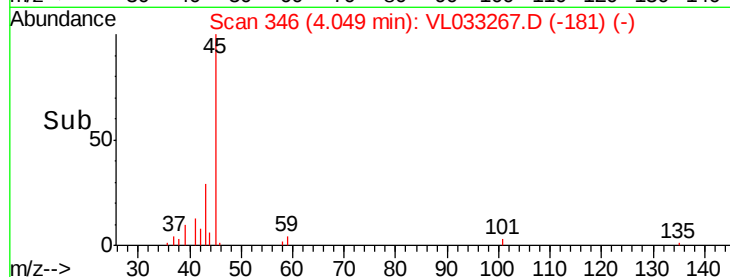
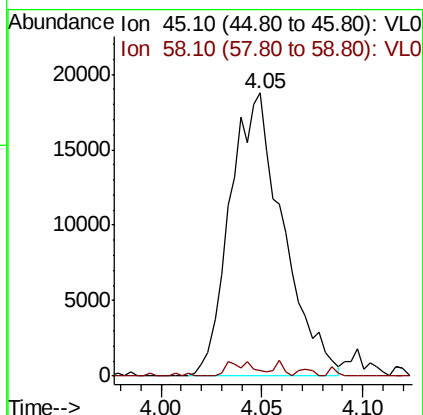
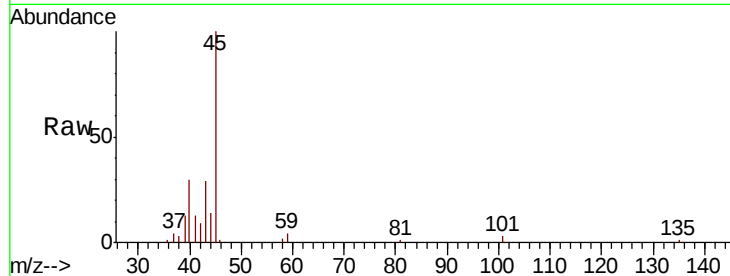




#19
Isopropyl Alcohol
Concen: 0.474 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

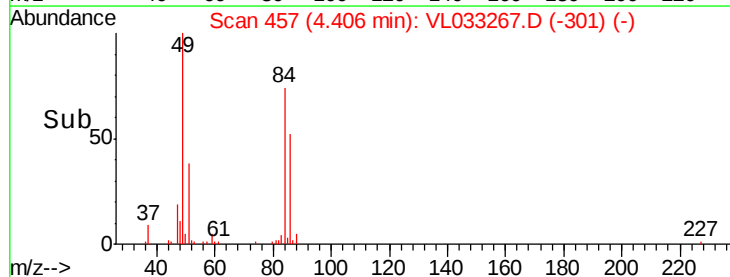
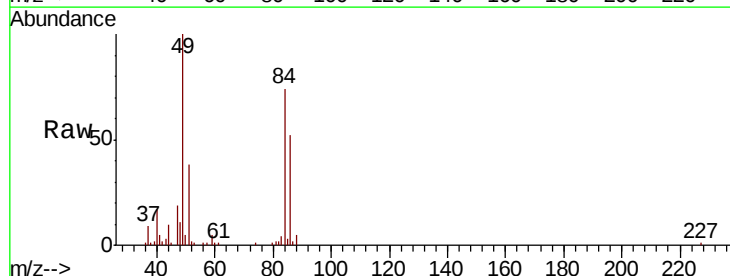
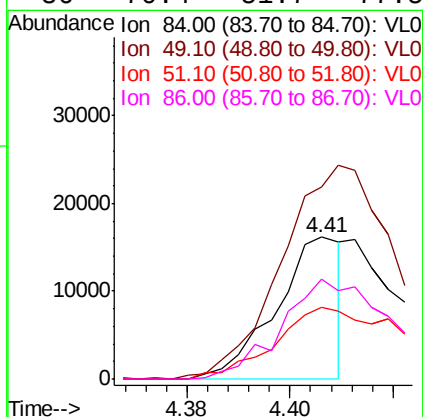
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

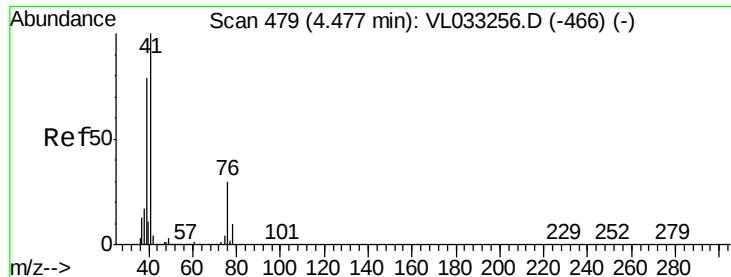
Tgt Ion: 45 Resp: 34541
Ion Ratio Lower Upper
45 100
58 4.7 1.5 2.3#



#20
Methylene Chloride
Concen: 0.286 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 84 Resp: 14252
Ion Ratio Lower Upper
84 100
49 132.9 117.8 176.6
51 50.9 36.9 55.3
86 70.4 51.7 77.5

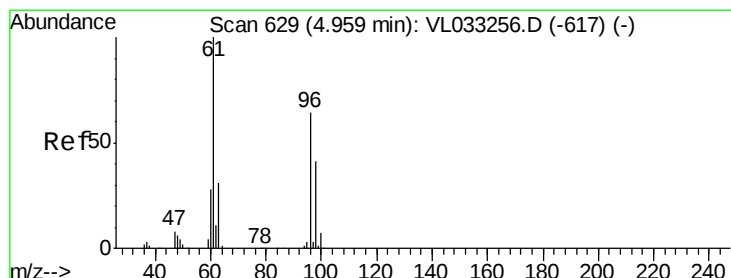
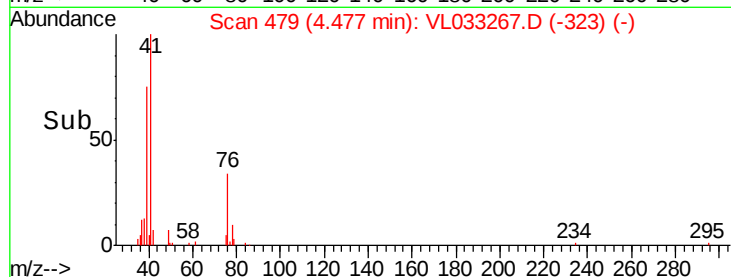
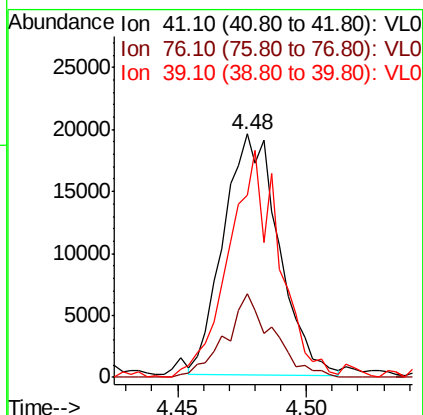
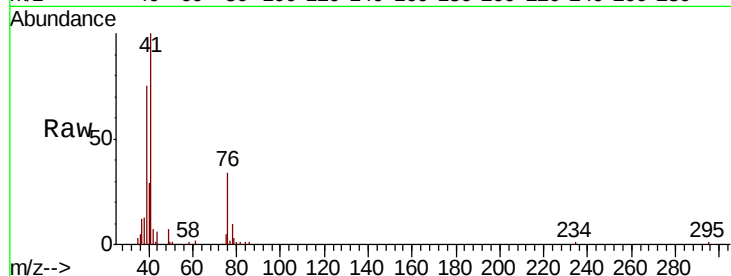




#21
 Allyl Chloride
 Concen: 0.401 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

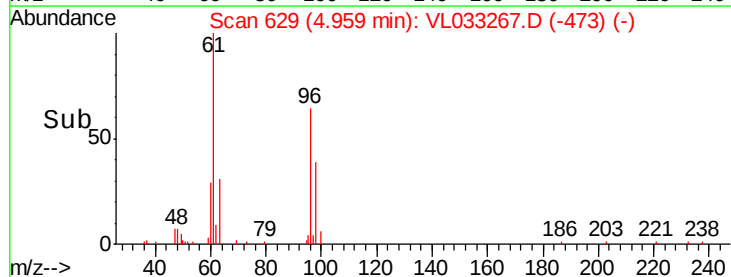
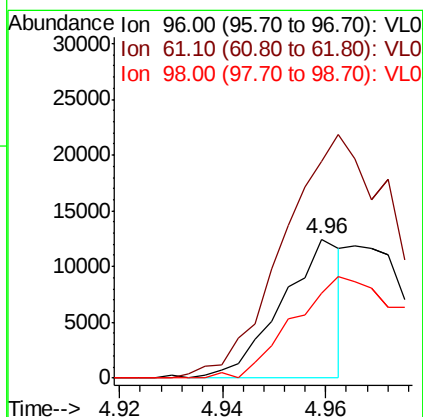
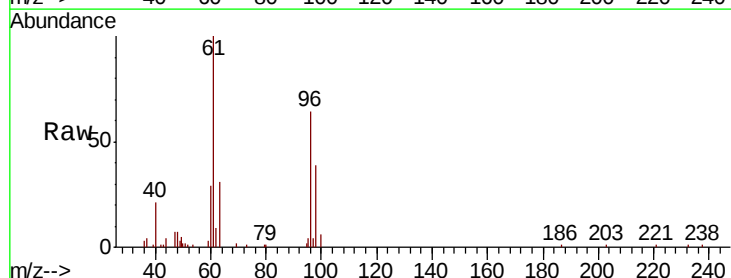
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

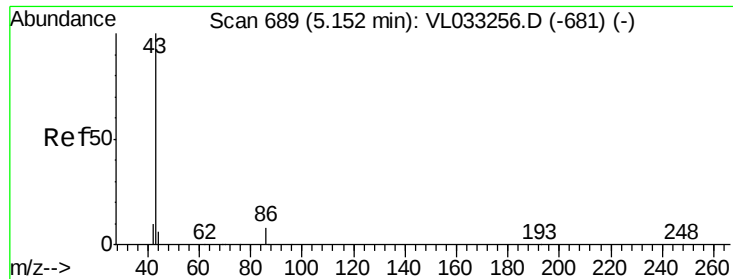
Tgt Ion: 41 Resp: 29262
 Ion Ratio Lower Upper
 41 100
 76 29.5 24.5 36.7
 39 89.2 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.202 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 96 Resp: 10056
 Ion Ratio Lower Upper
 96 100
 61 153.0 125.7 188.5
 98 61.0 52.1 78.1

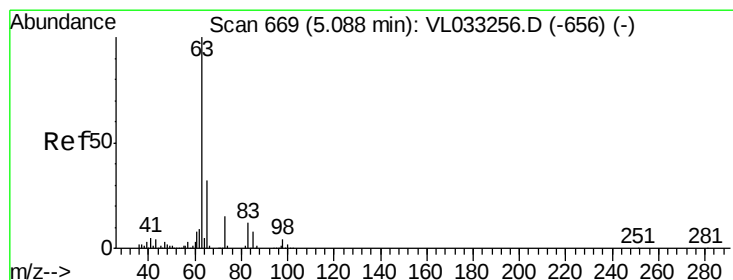
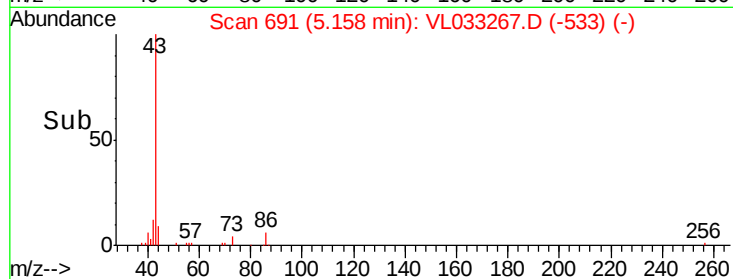
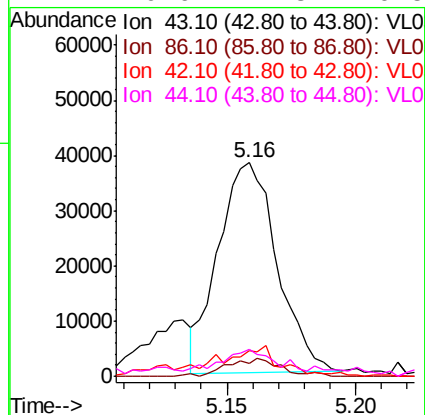
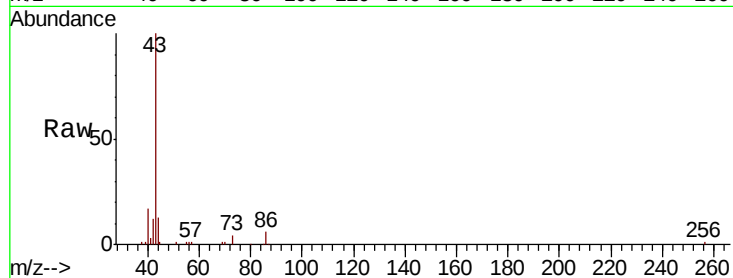




#23
 Vinyl Acetate
 Concen: 0.349 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

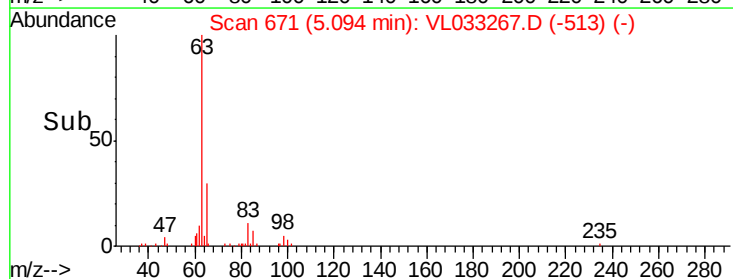
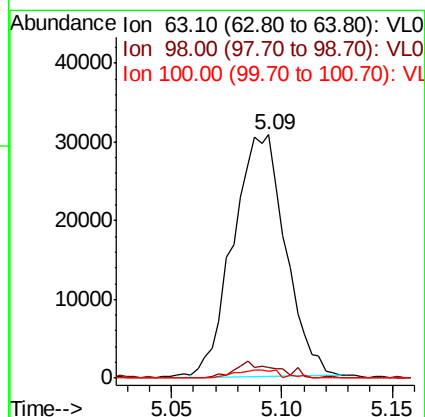
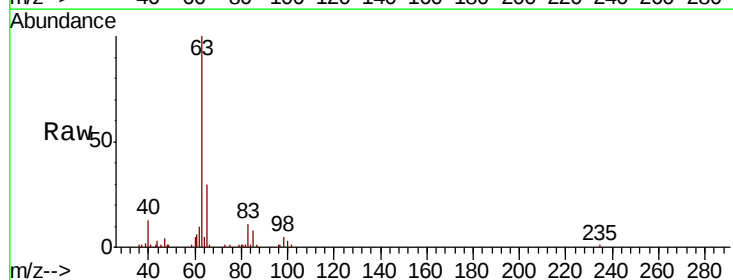
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

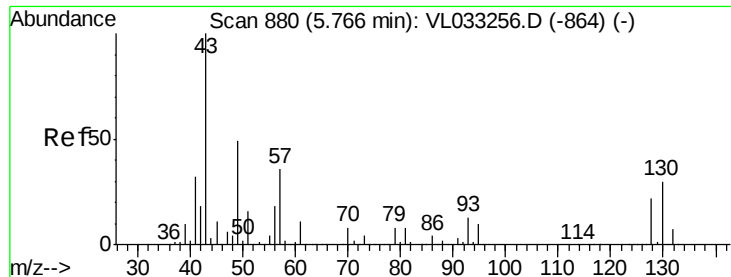
Tgt Ion:	43	Resp:	60749
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.6	8.4
42	8.2	8.1	12.1
44	10.6	4.3	6.5#



#24
 1,1-Dichloroethane
 Concen: 0.396 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion:	63	Resp:	50493
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.2
100	2.8	1.3	3.8

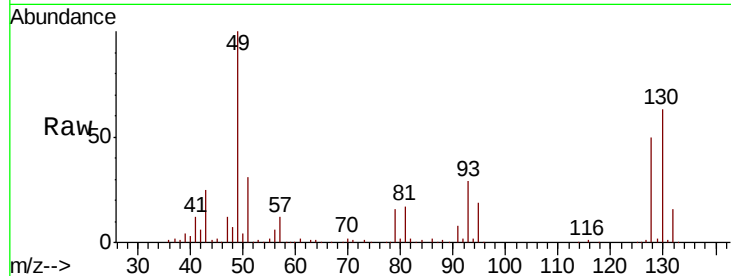




#25
Ethyl Acetate
Concen: 0.388 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:	43	Resp:	90007
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.7	7.4	11.0
70	6.8	5.4	8.2



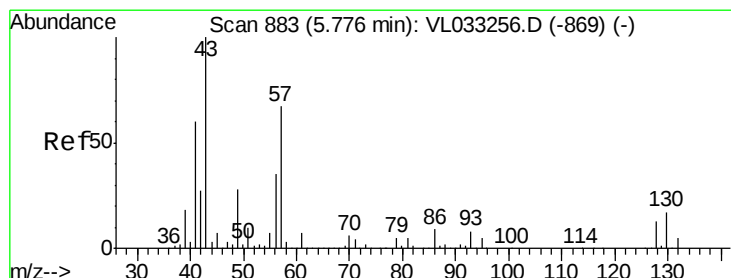
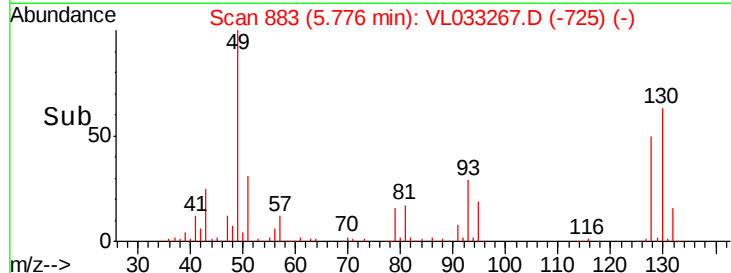
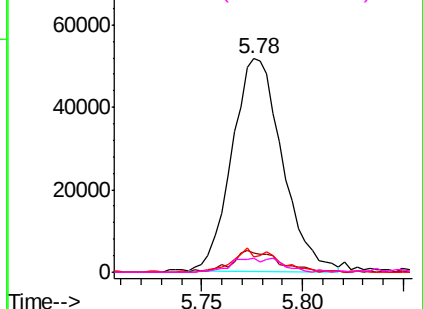
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

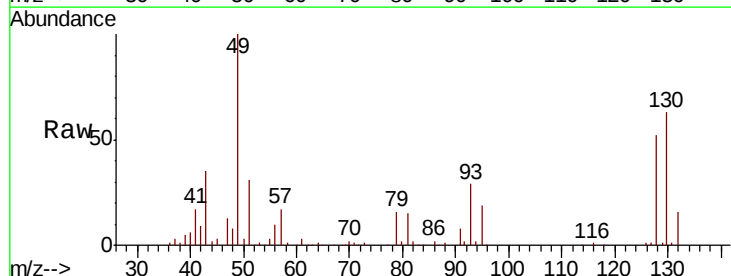
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.402 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion:	57	Resp:	43859
Ion	Ratio	Lower	Upper
57	100		
41	100.5	72.2	108.4
43	212.9	179.0	268.4
56	57.1	41.8	62.8



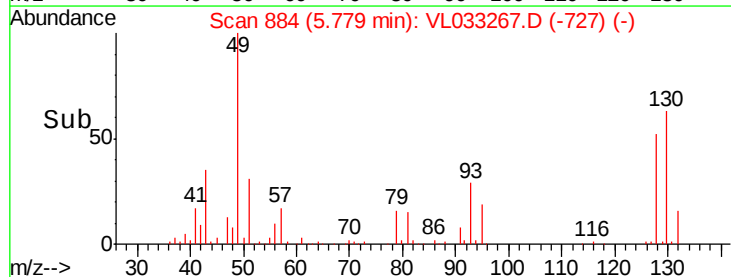
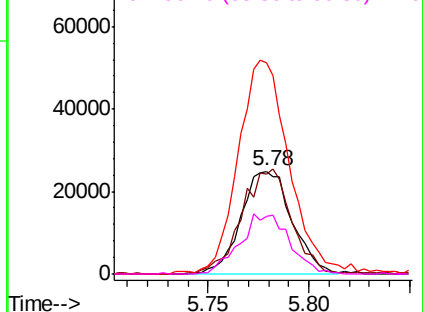
Abundance

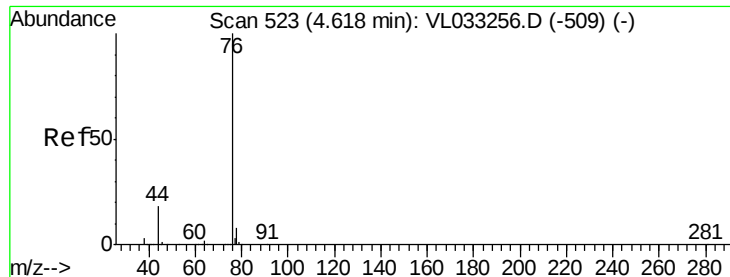
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

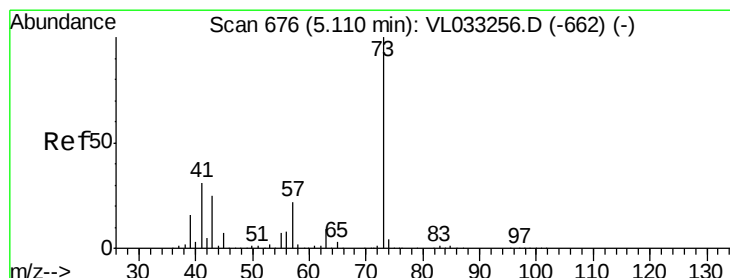
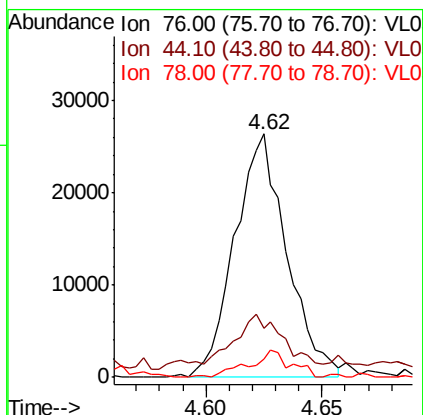
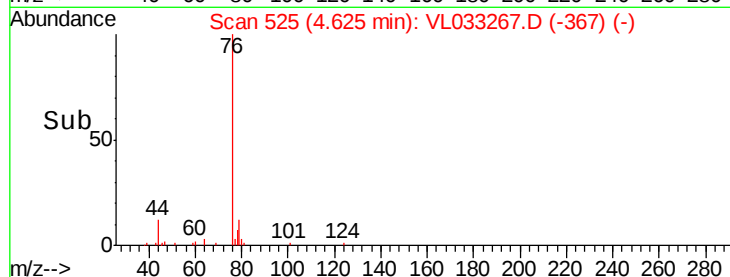
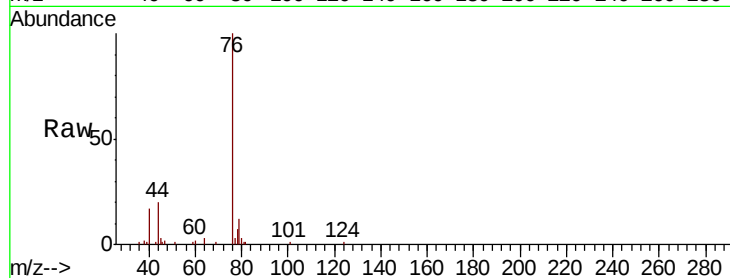




#27
Carbon Disulfide
Concen: 0.373 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

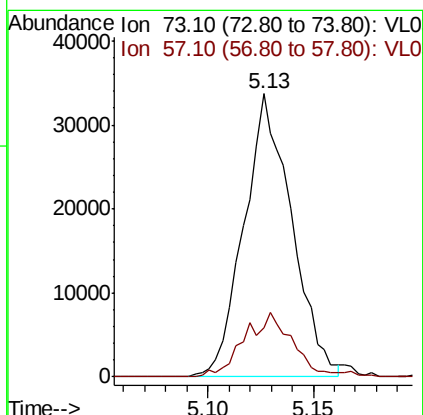
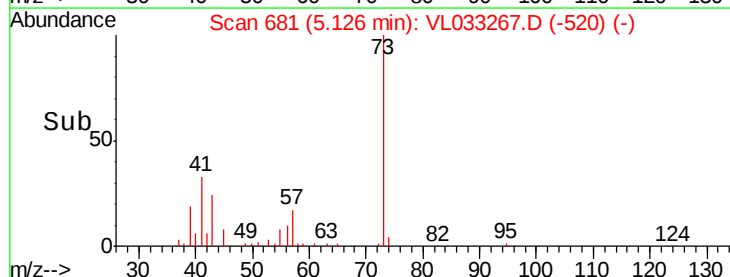
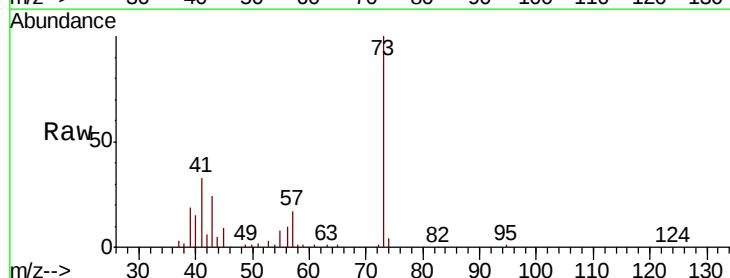
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

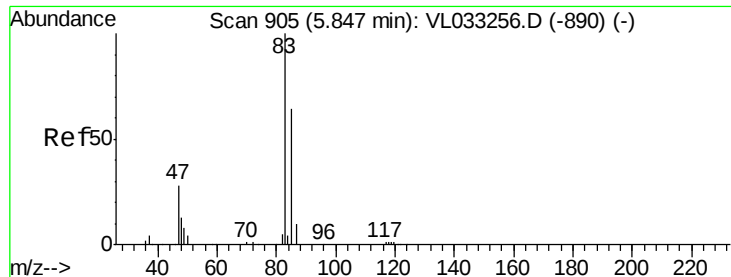
Tgt Ion: 76 Resp: 41213
Ion Ratio Lower Upper
76 100
44 23.3 14.8 22.2#
78 9.2 7.2 10.8



#28
Methyl tert-Butyl Ether
Concen: 0.377 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.02 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 73 Resp: 52919
Ion Ratio Lower Upper
73 100
57 23.6 17.7 26.5

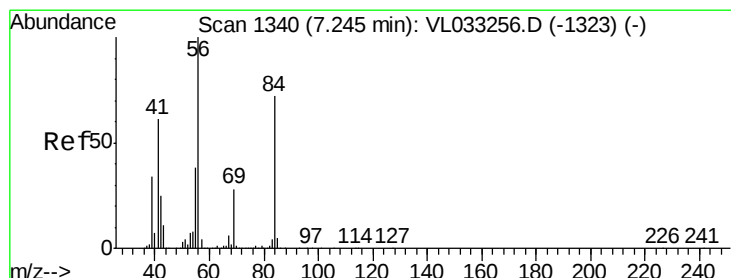
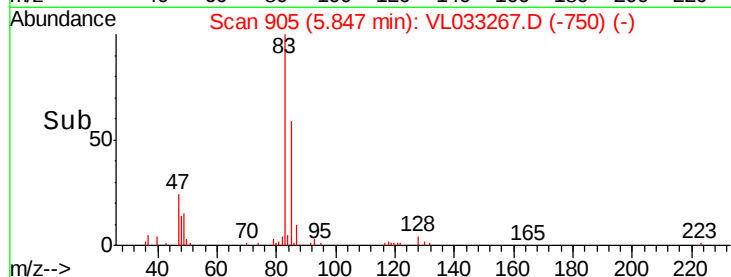
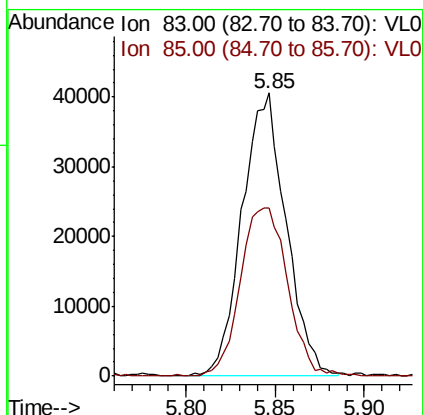
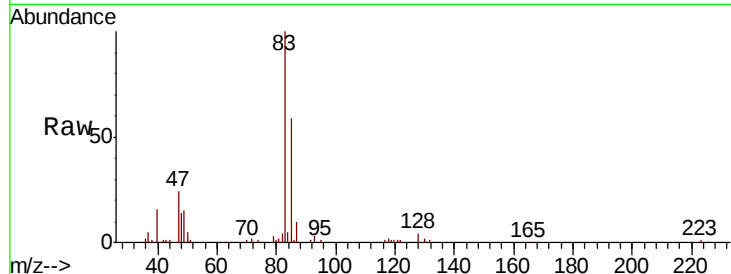




#29
Chloroform
Concen: 0.420 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

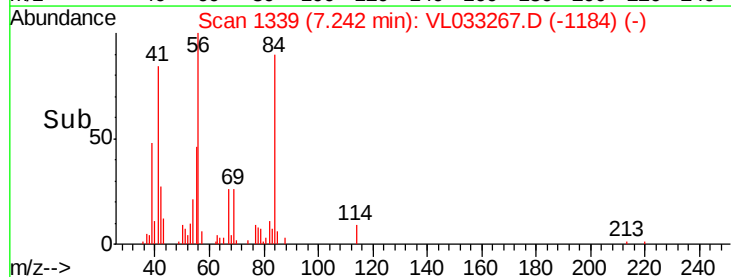
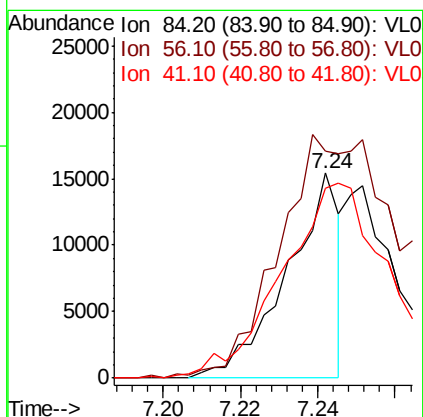
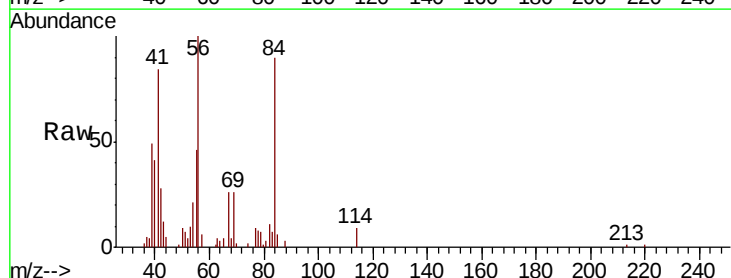
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

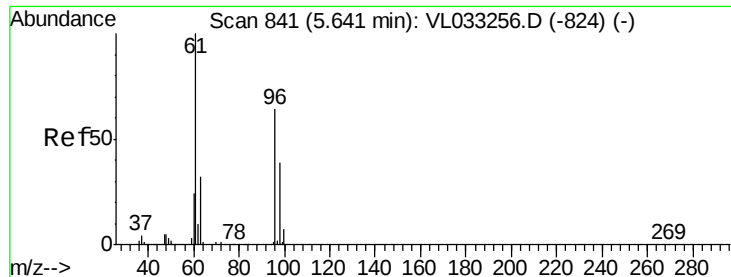
Tgt Ion: 83 Resp: 69972
Ion Ratio Lower Upper
83 100
85 59.4 51.0 76.6



#30
Cyclohexane
Concen: 0.170 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 84 Resp: 14389
Ion Ratio Lower Upper
84 100
56 249.6 113.4 170.2#
41 194.9 70.2 105.4#





#31

cis-1,2-Dichloroethene

Concen: 0.362 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

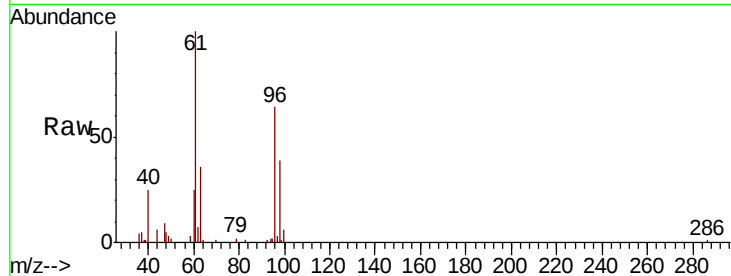
Tgt Ion: 61 Resp: 37489

Ion Ratio Lower Upper

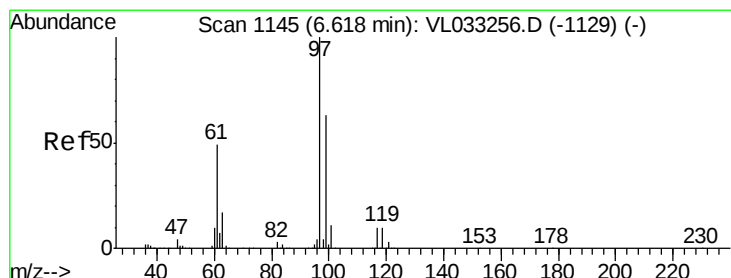
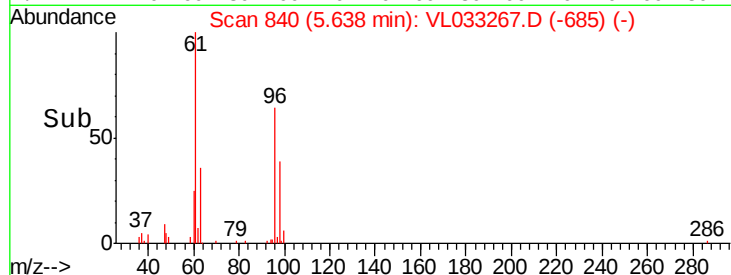
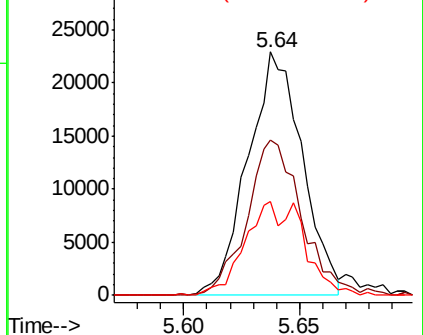
61 100

96 63.8 51.2 76.8

98 38.5 30.8 46.2



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



#32

1,1,1-Trichloroethane

Concen: 0.381 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

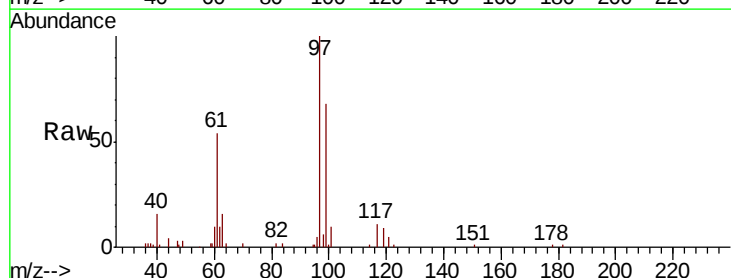
Tgt Ion: 97 Resp: 60005

Ion Ratio Lower Upper

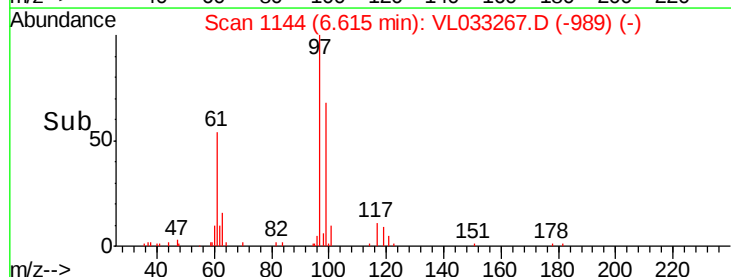
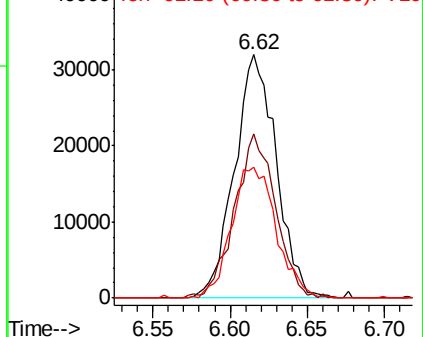
97 100

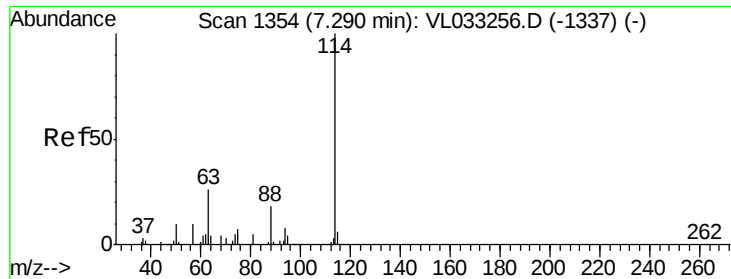
99 66.2 51.6 77.4

61 57.8 40.8 61.2



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

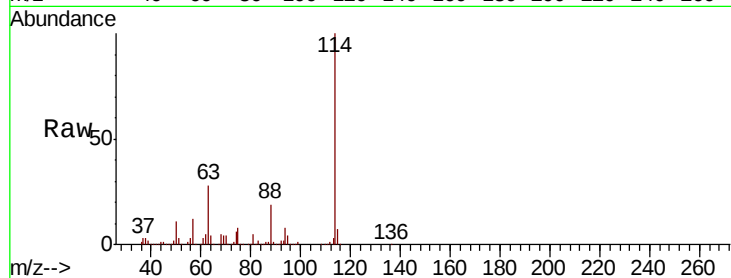




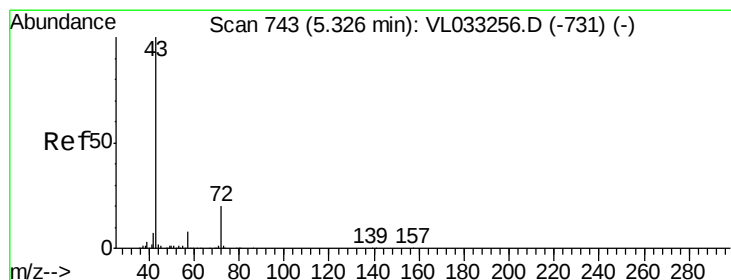
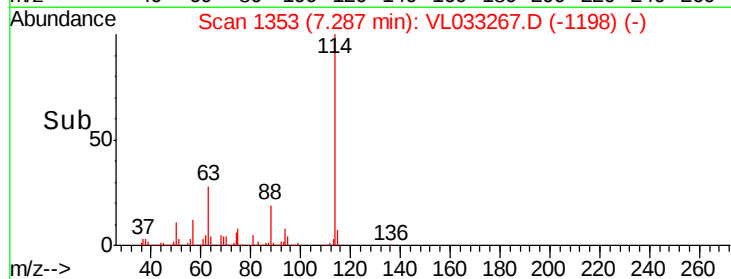
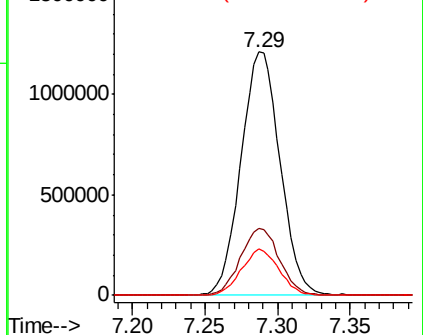
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion:114 Resp: 2273486
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.2
 88 18.4 14.6 22.0

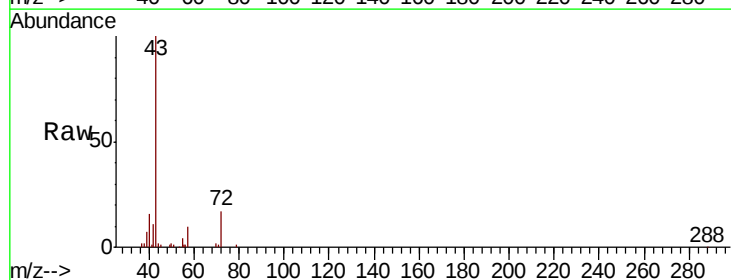


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

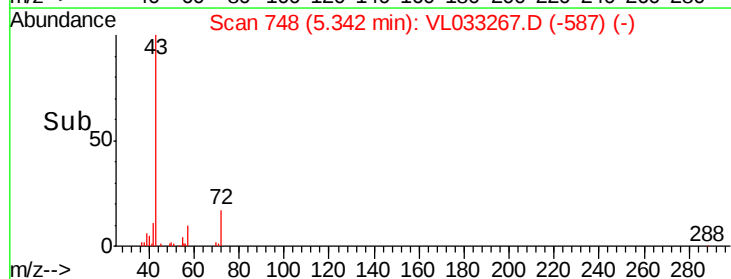
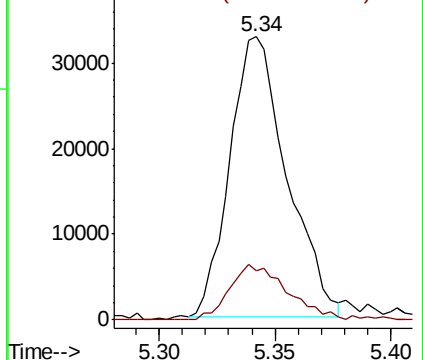


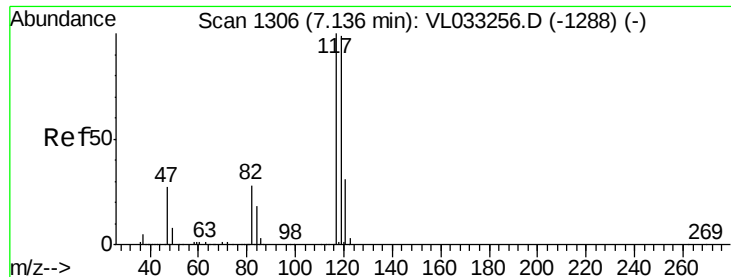
#34
 2-Butanone
 Concen: 0.407 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.02 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 43 Resp: 55965
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.9 25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

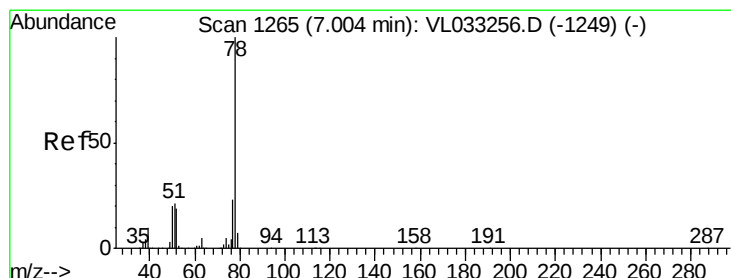
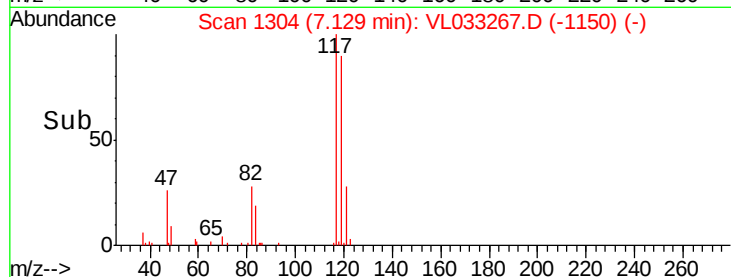
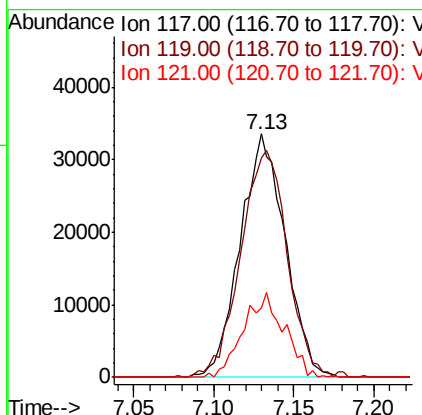
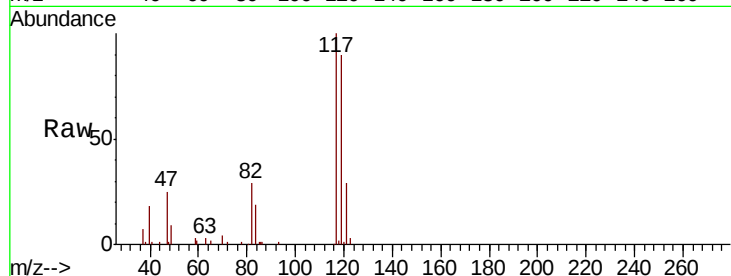




#35
Carbon Tetrachloride
Concen: 0.418 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

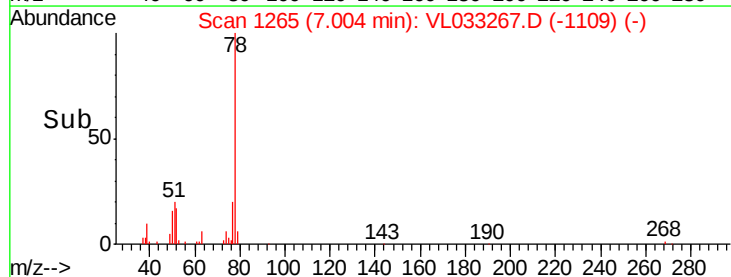
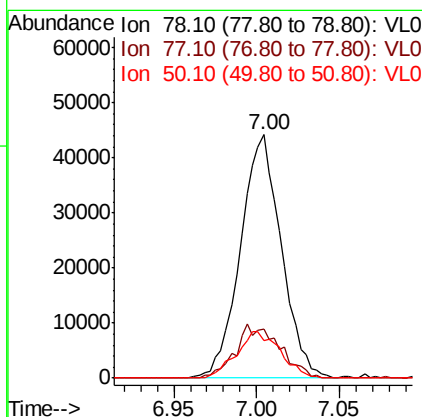
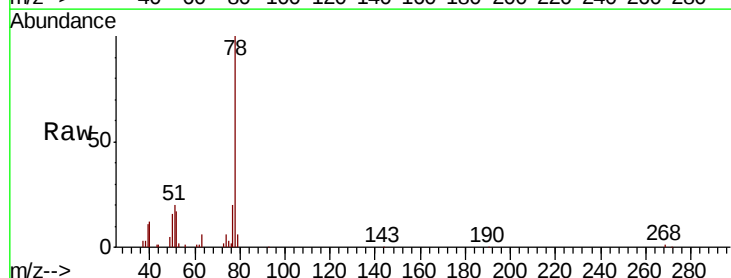
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

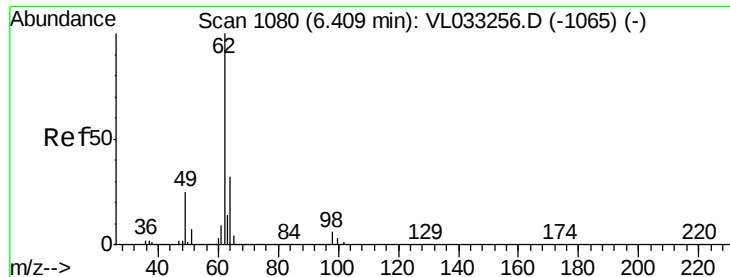
Tgt Ion:117 Resp: 64491
Ion Ratio Lower Upper
117 100
119 88.3 79.0 118.6
121 28.1 24.7 37.1



#36
Benzene
Concen: 0.386 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 78 Resp: 75607
Ion Ratio Lower Upper
78 100
77 20.2 18.2 27.2
50 15.6 16.2 24.2#

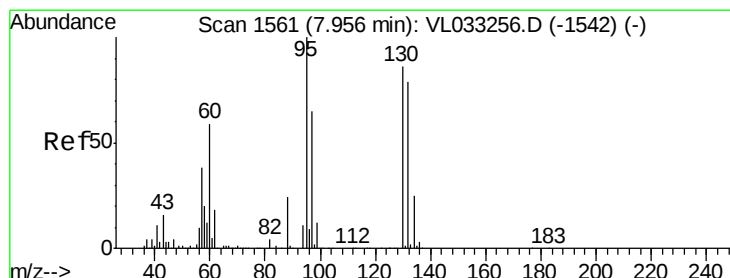
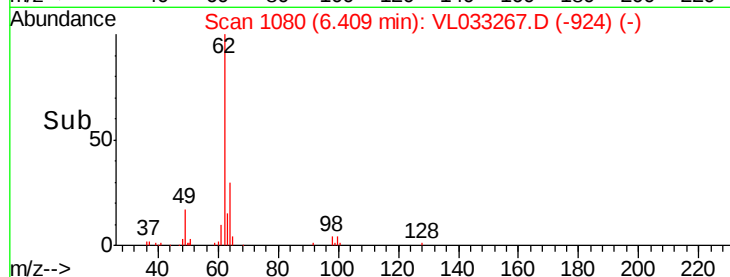
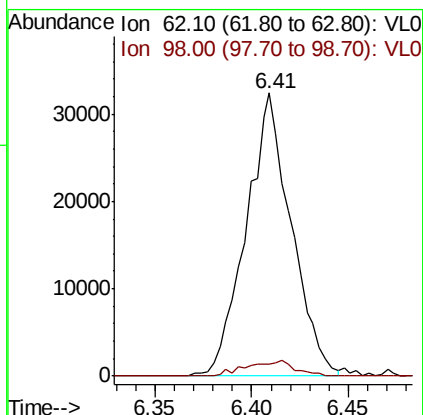
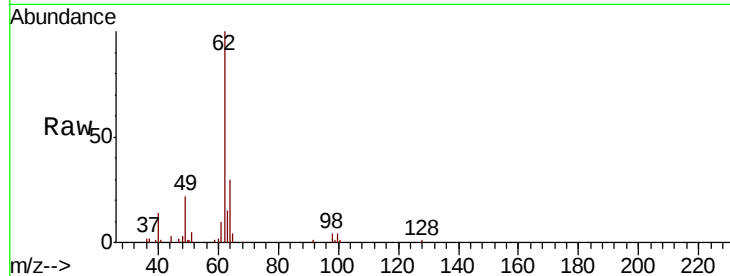




#37
 1,2-Dichloroethane
 Concen: 0.417 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

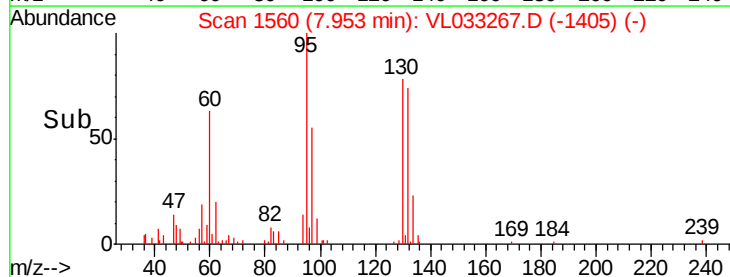
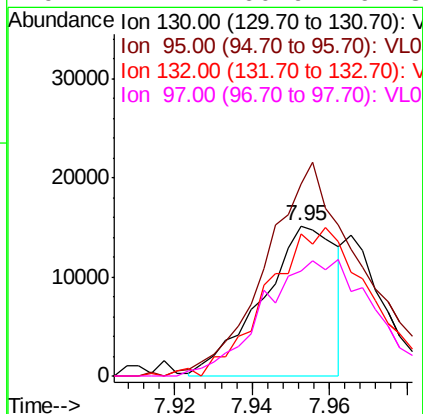
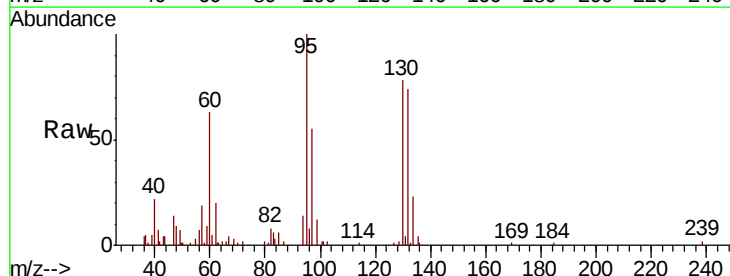
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

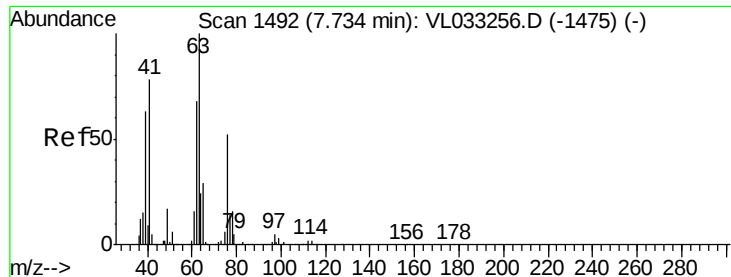
Tgt Ion: 62 Resp: 52506
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 0.265 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 130 Resp: 20145
 Ion Ratio Lower Upper
 130 100
 95 135.3 93.4 140.0
 132 98.1 74.0 111.0
 97 72.4 60.9 91.3

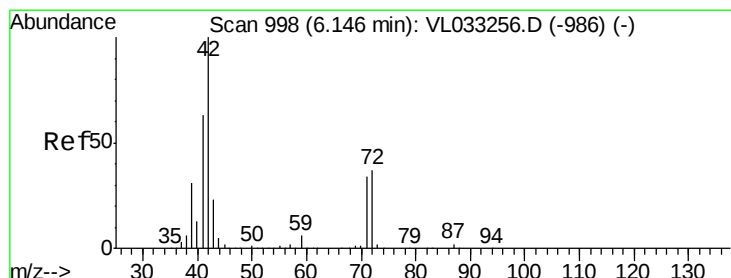
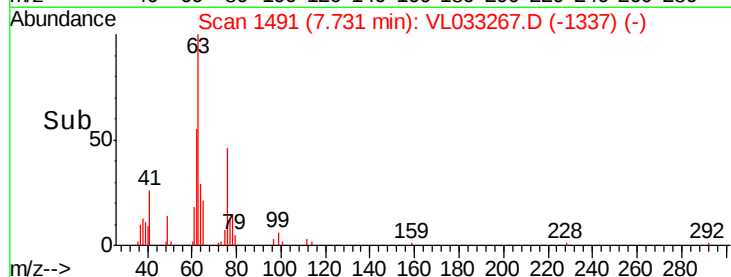
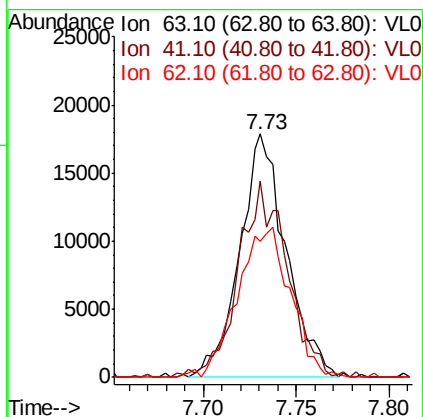
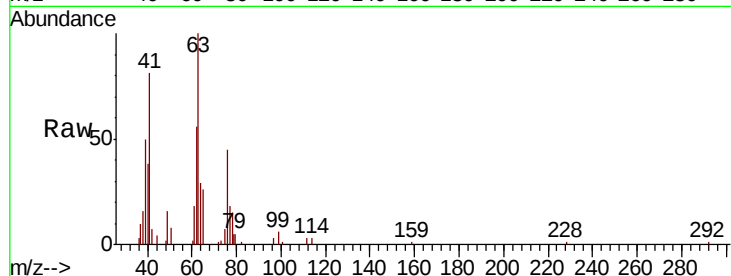




#39
 1,2-Dichloropropane
 Concen: 0.405 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

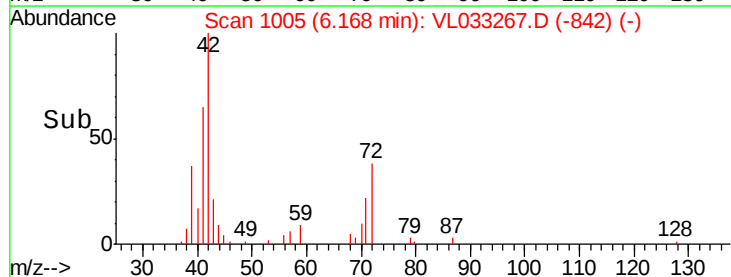
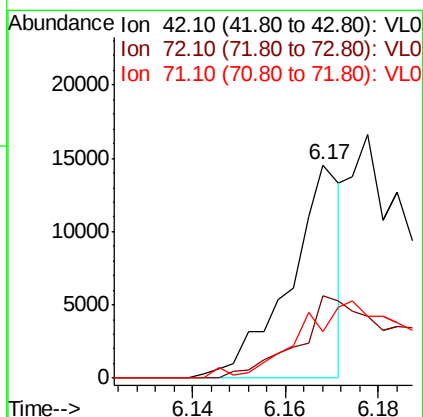
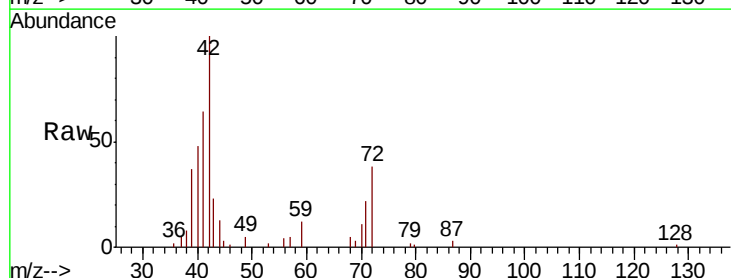
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

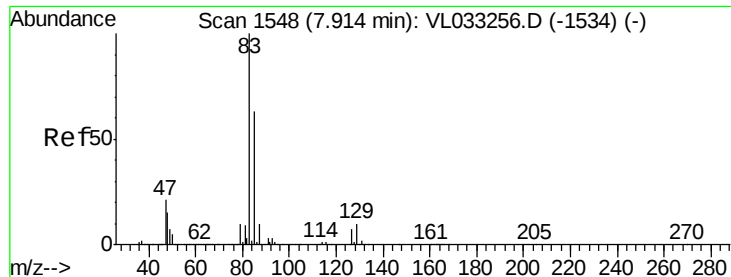
Tgt Ion: 63 Resp: 31116
 Ion Ratio Lower Upper
 63 100
 41 79.6 62.6 94.0
 62 54.6 54.6 81.8#



#41
 Tetrahydrofuran
 Concen: 0.146 ppbv
 RT: 6.17 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 42 Resp: 11310
 Ion Ratio Lower Upper
 42 100
 72 84.2 30.2 45.2#
 71 0.0 29.0 43.6#





#42

Bromodichloromethane

Concen: 0.392 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

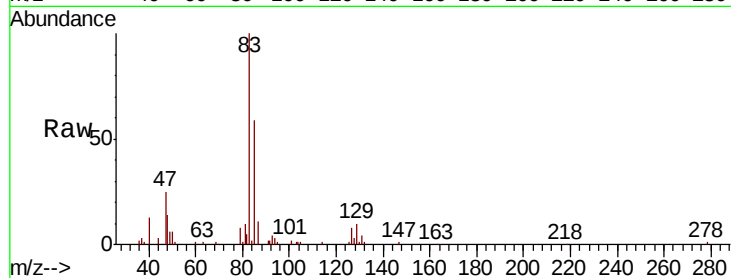
Tgt Ion: 83 Resp: 67319

Ion Ratio Lower Upper

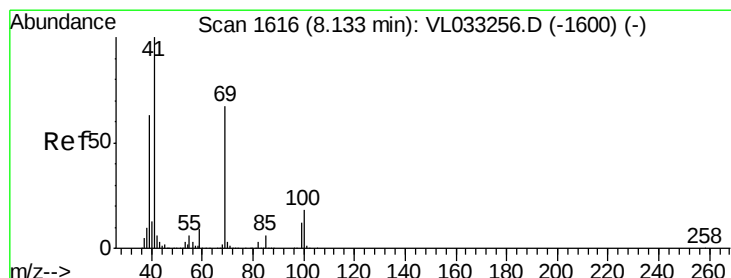
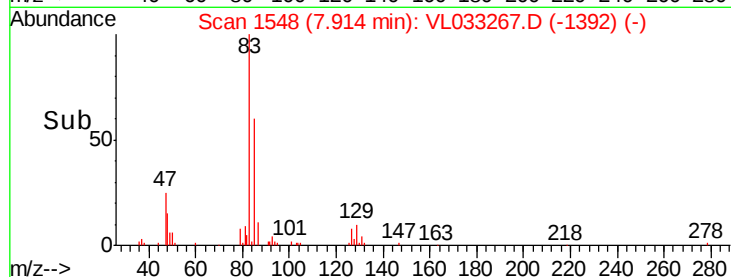
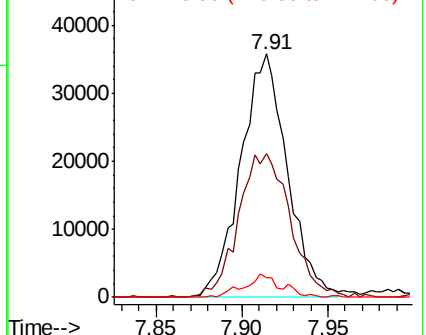
83 100

85 59.1 50.1 75.1

127 8.1 5.9 8.9



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): VL0



#43

Methyl Methacrylate

Concen: 0.209 ppbv

RT: 8.14 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

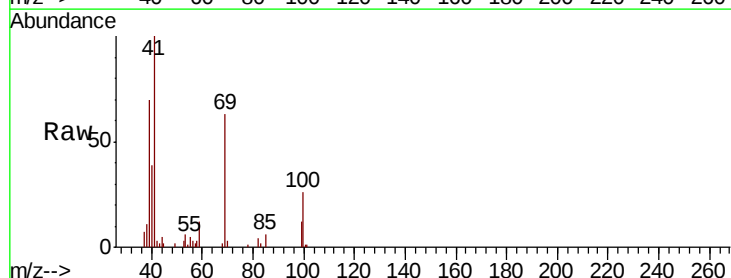
Tgt Ion: 69 Resp: 16440

Ion Ratio Lower Upper

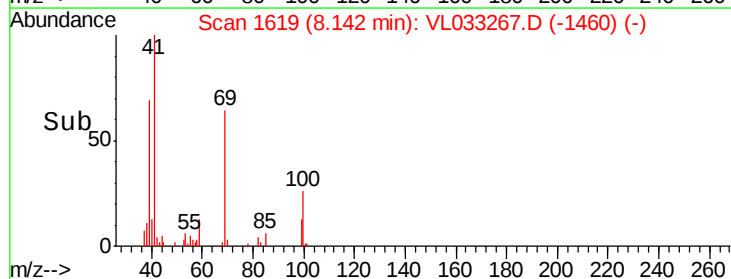
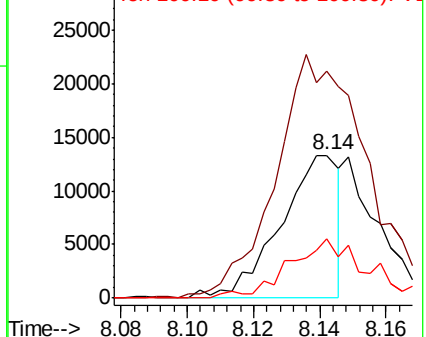
69 100

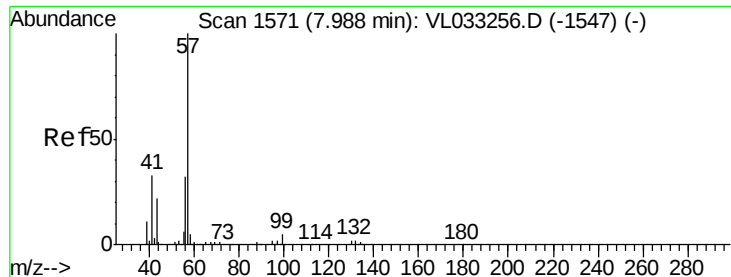
41 267.5 120.3 180.5#

100 55.7 23.5 35.3#



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

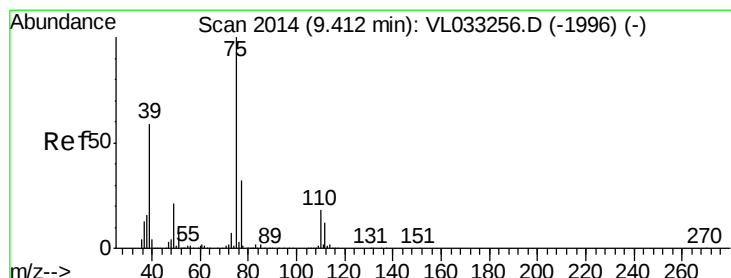
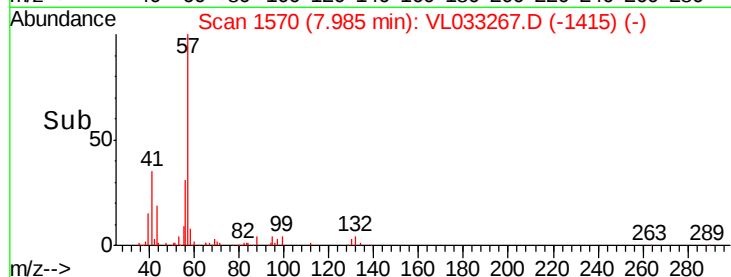
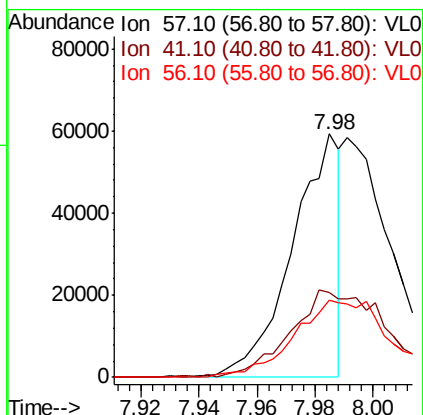
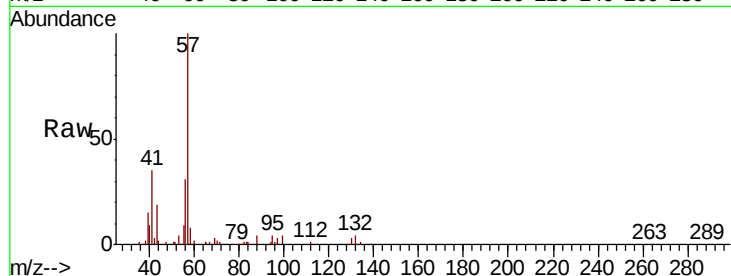




#44
 2,2,4-Trimethylpentane
 Concen: 0.195 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

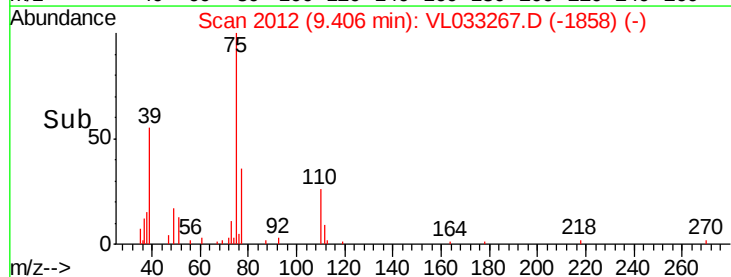
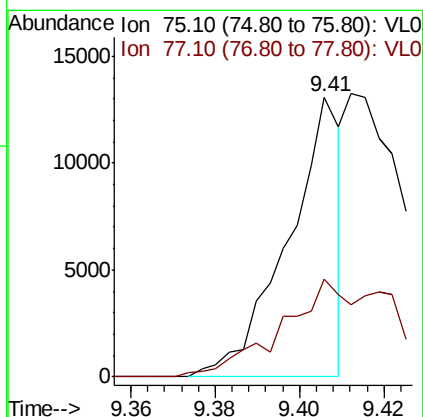
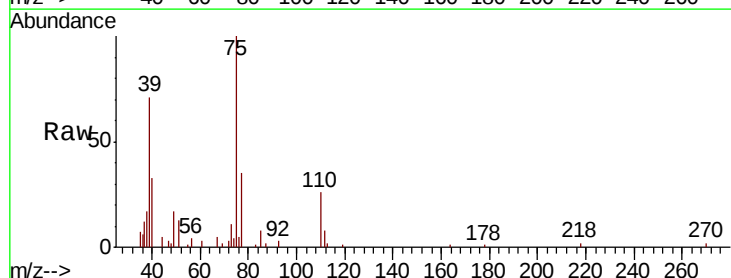
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

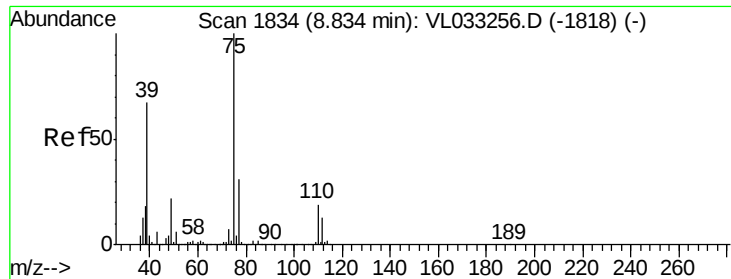
Tgt Ion: 57 Resp: 67763
 Ion Ratio Lower Upper
 57 100
 41 71.7 26.4 39.6#
 56 61.9 25.1 37.7#



#45
 t-1,3-Dichloropropene
 Concen: 0.120 ppbv
 RT: 9.41 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 75 Resp: 11406
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0

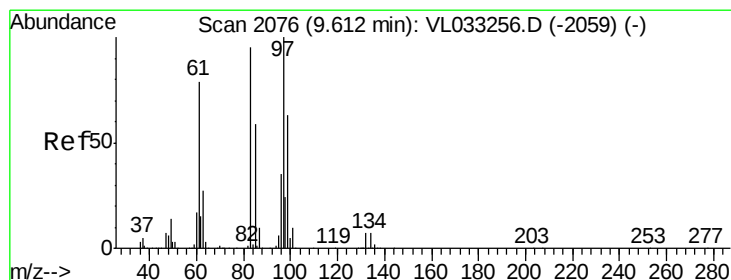
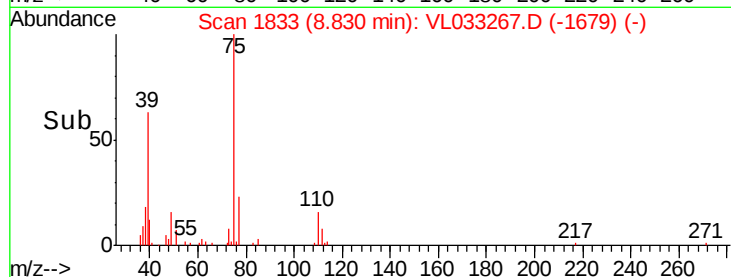
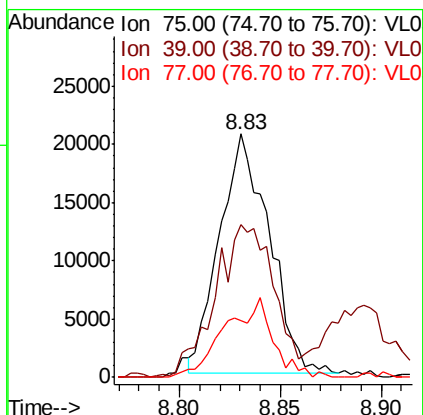
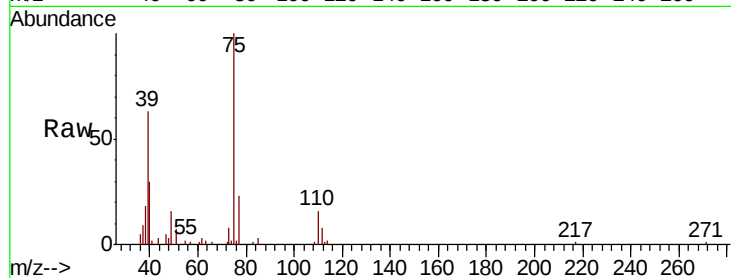




#46
 cis-1,3-Dichloropropene
 Concen: 0.315 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

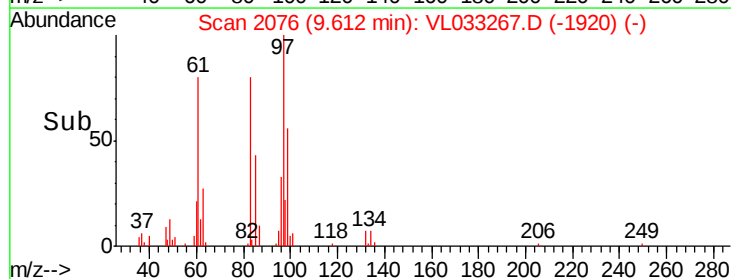
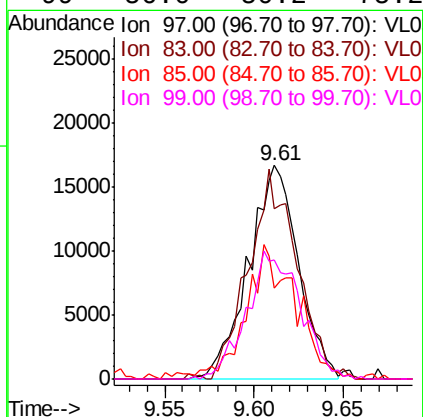
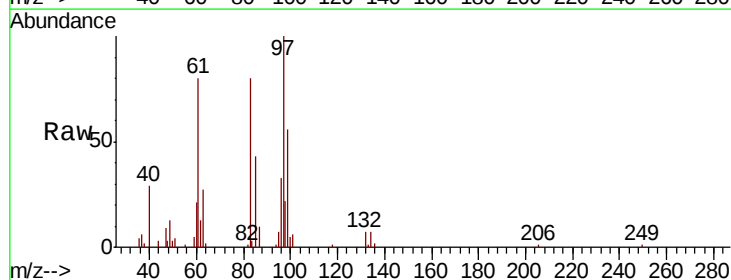
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

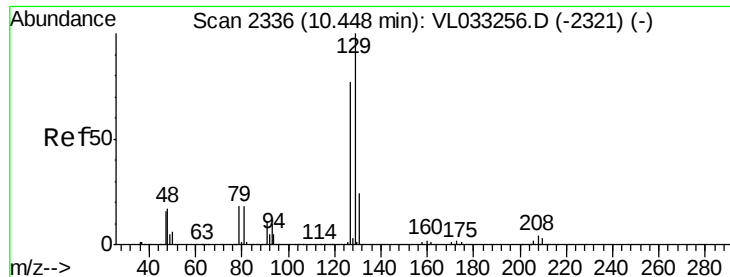
Tgt Ion: 75 Resp: 35375
 Ion Ratio Lower Upper
 75 100
 39 52.0 53.8 80.6#
 77 23.9 25.0 37.6#



#47
 1,1,2-Trichloroethane
 Concen: 0.396 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 97 Resp: 32624
 Ion Ratio Lower Upper
 97 100
 83 80.0 75.8 113.8
 85 40.2 47.5 71.3#
 99 56.0 50.2 75.2





#48

Dibromochloromethane

Concen: 0.345 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

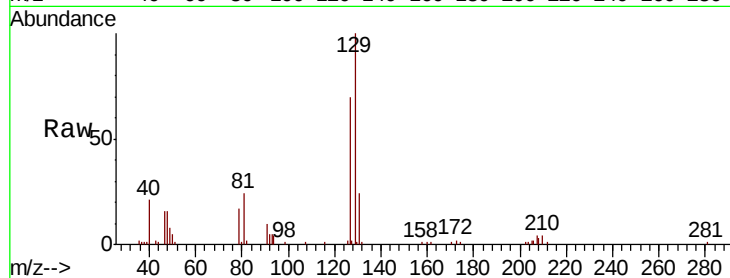
0.4 PPB MDL

Tgt Ion:129 Resp: 46628

Ion Ratio Lower Upper

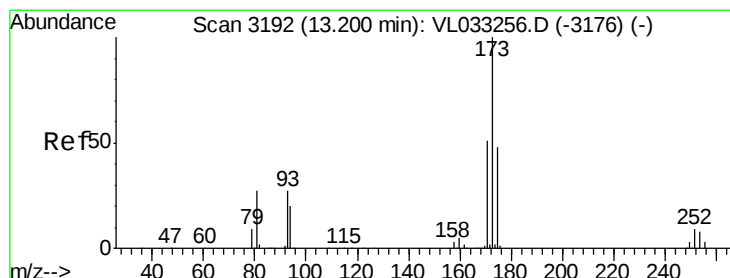
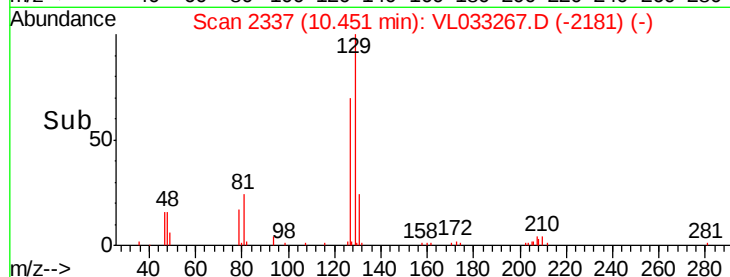
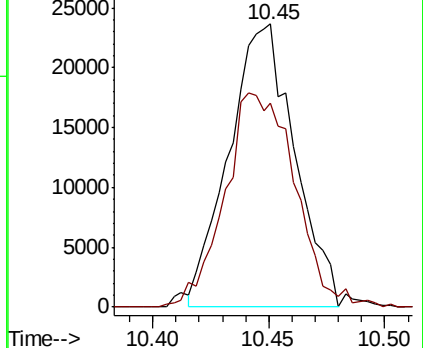
129 100

127 81.0 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.318 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

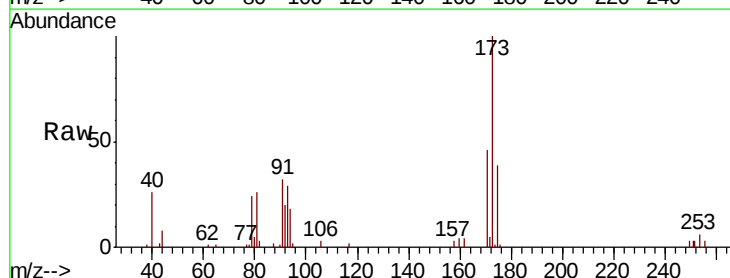
Tgt Ion:173 Resp: 38298

Ion Ratio Lower Upper

173 100

175 45.1 38.8 58.2

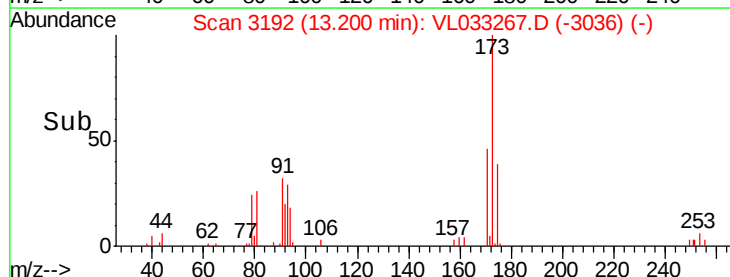
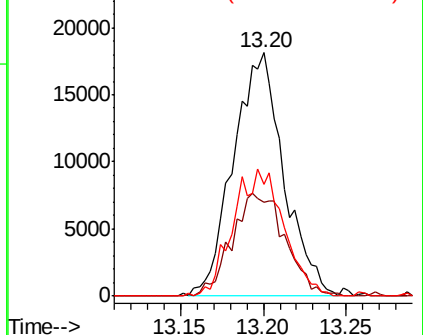
171 52.4 41.5 62.3

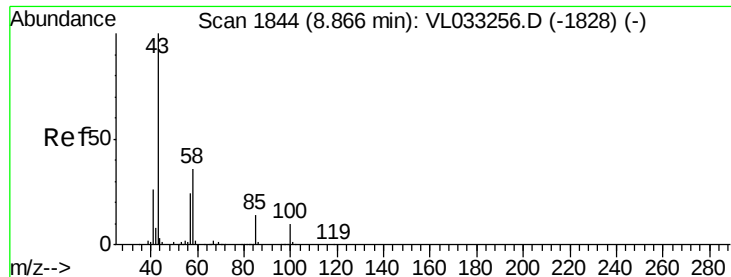


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

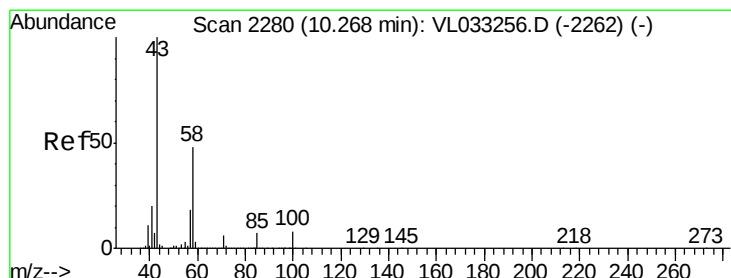
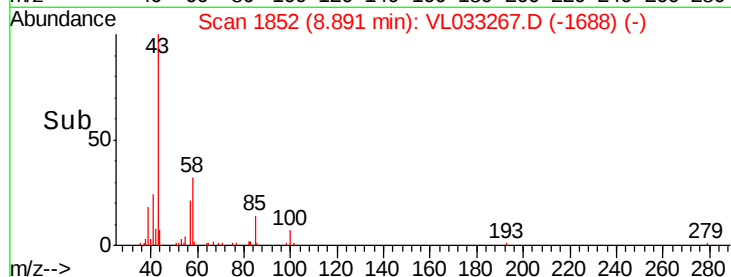
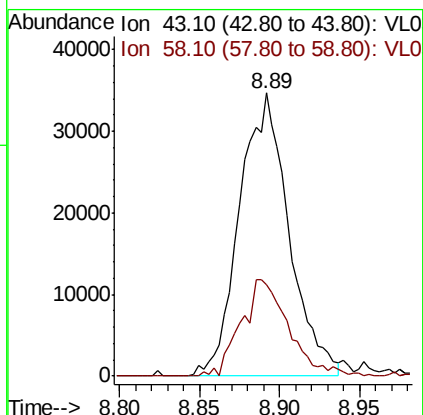
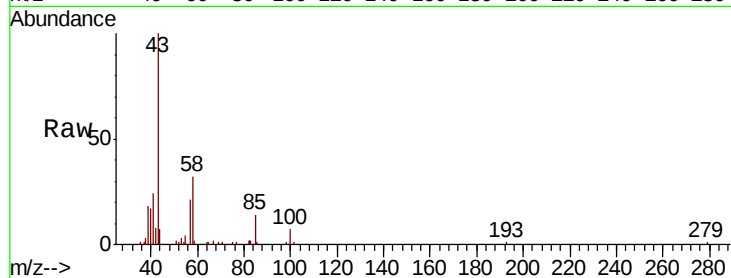




#50
 4-Methyl-2-Pentanone
 Concen: 0.353 ppbv
 RT: 8.89 min Scan# 1852
 Delta R.T. 0.03 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

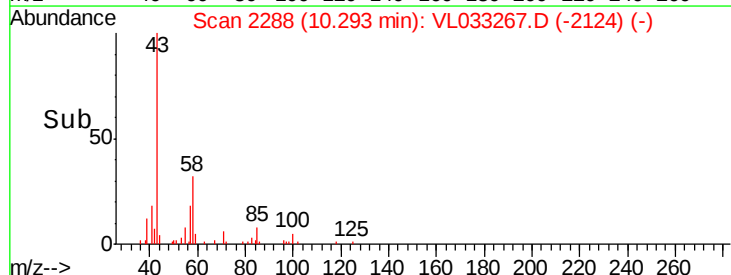
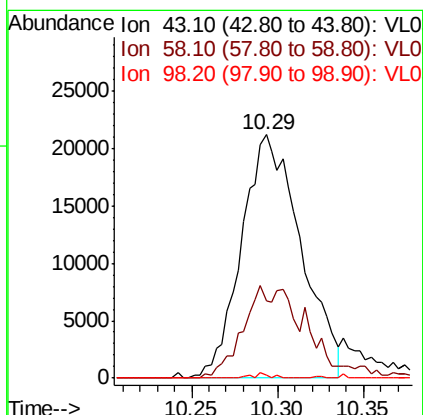
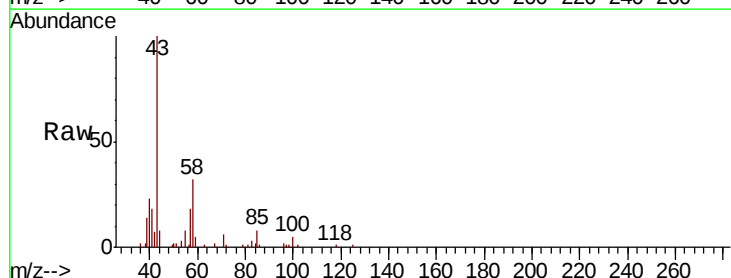
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

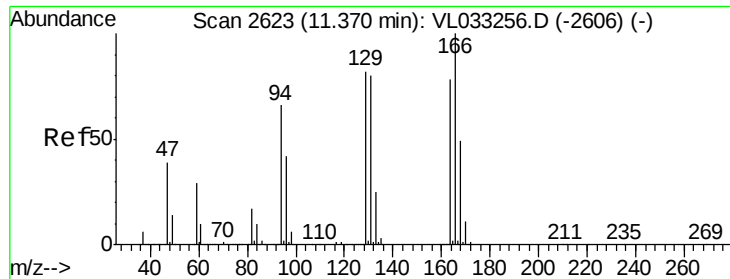
Tgt Ion: 43 Resp: 73460
 Ion Ratio Lower Upper
 43 100
 58 33.2 28.1 42.1



#51
 2-Hexanone
 Concen: 0.327 ppbv
 RT: 10.29 min Scan# 2288
 Delta R.T. 0.03 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 43 Resp: 50698
 Ion Ratio Lower Upper
 43 100
 58 41.9 38.1 57.1
 98 0.5 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.152 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion:164 Resp: 11077

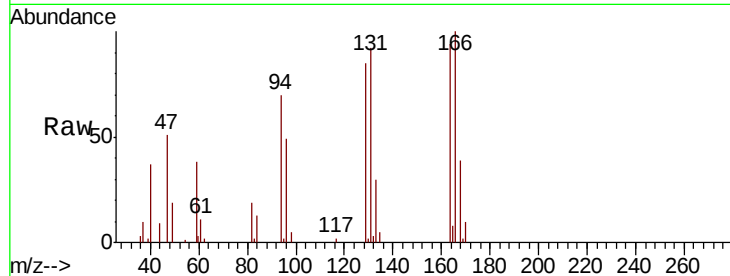
Ion Ratio Lower Upper

164 100

166 106.7 102.0 153.0

129 88.9 83.2 124.8

131 100.9 81.4 122.0

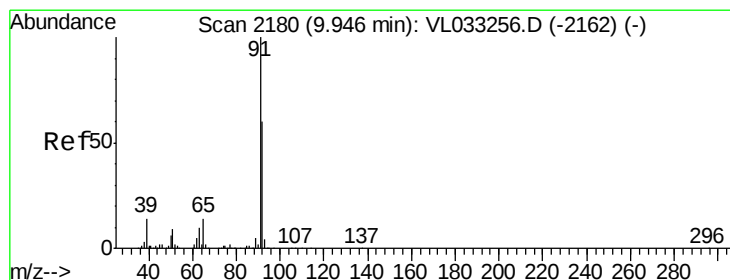
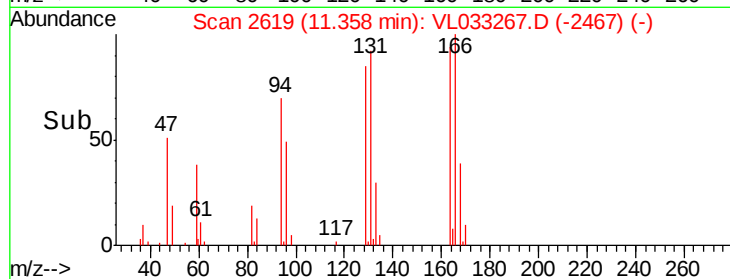
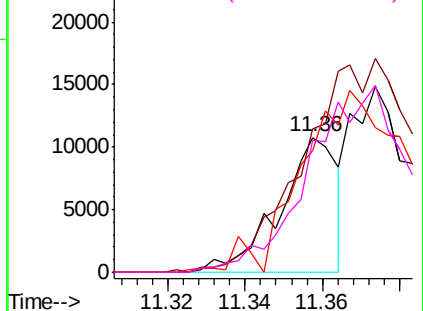


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.207 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033267.D

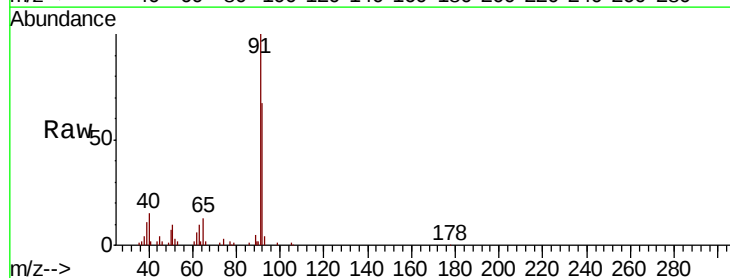
Acq: 8 Mar 2019 21:31

Tgt Ion: 91 Resp: 46336

Ion Ratio Lower Upper

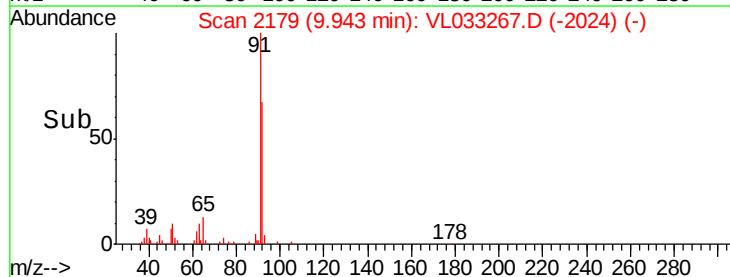
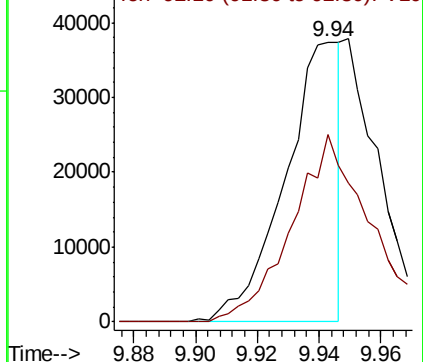
91 100

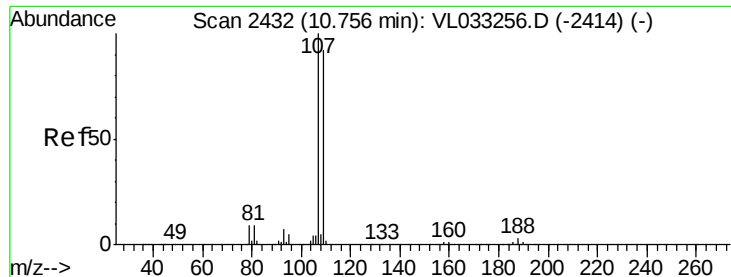
92 94.9 47.7 71.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

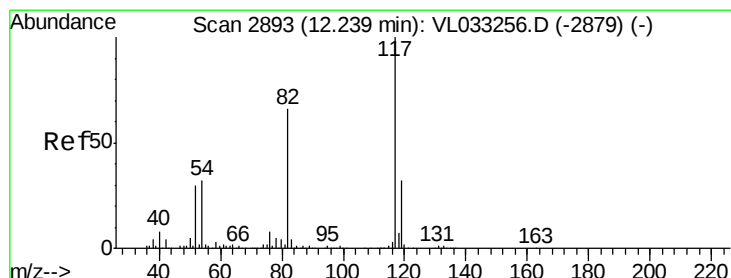
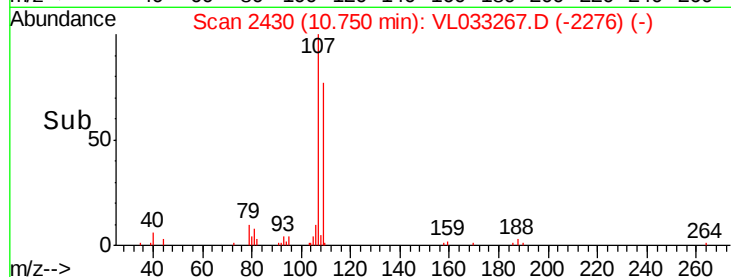
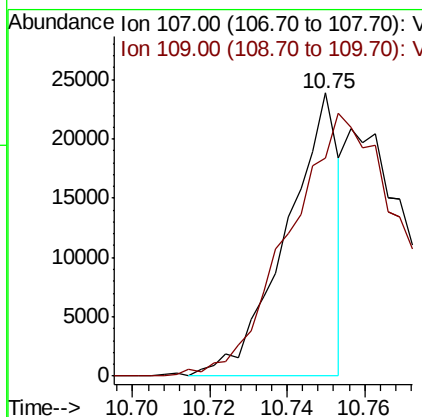
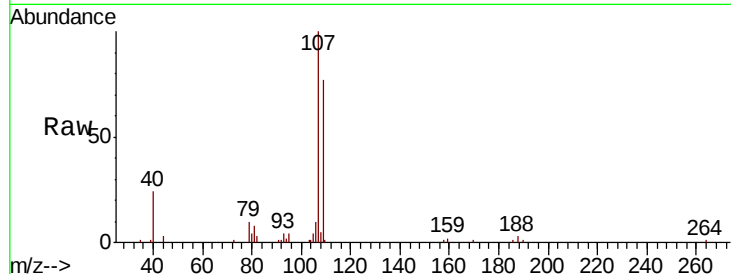




#54
 1,2-Dibromoethane
 Concen: 0.172 ppbv
 RT: 10.75 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

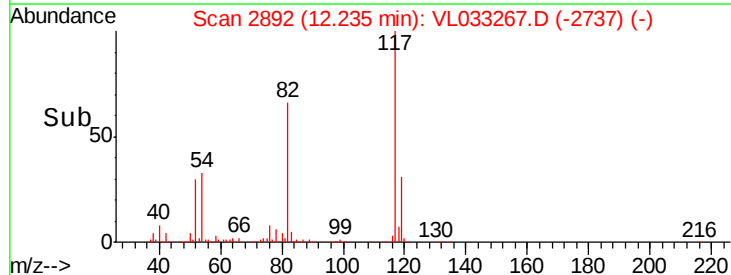
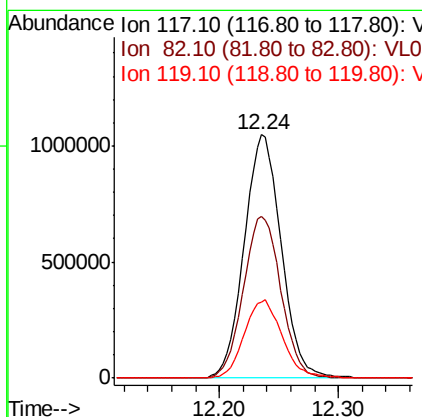
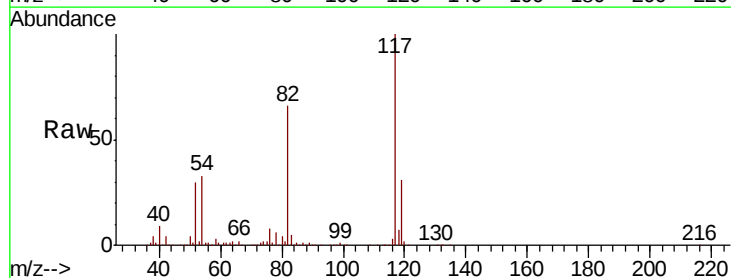
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

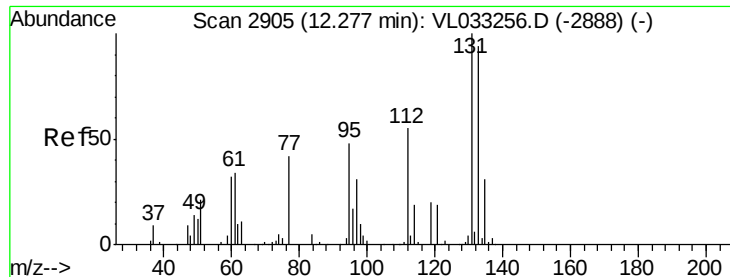
Tgt Ion:107 Resp: 22259
 Ion Ratio Lower Upper
 107 100
 109 75.8 73.9 110.9



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion:117 Resp: 2254690
 Ion Ratio Lower Upper
 117 100
 82 67.9 52.2 78.4
 119 33.3 43.4 65.2#

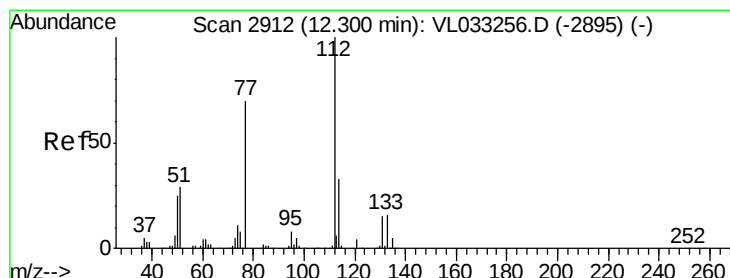
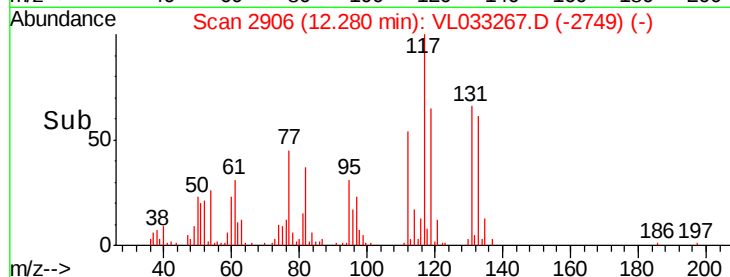
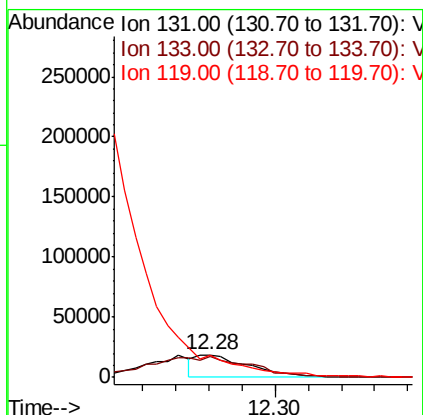
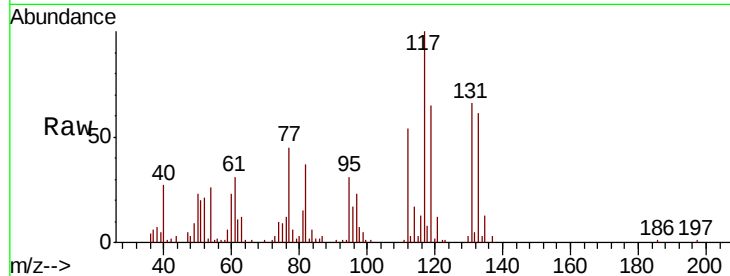




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.215 ppbv
 RT: 12.28 min Scan# 2906
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

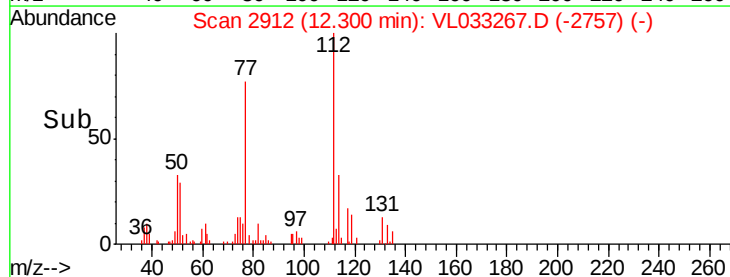
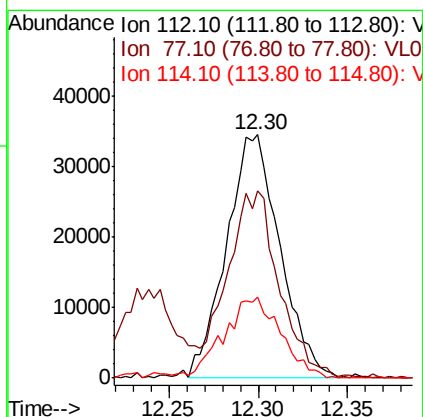
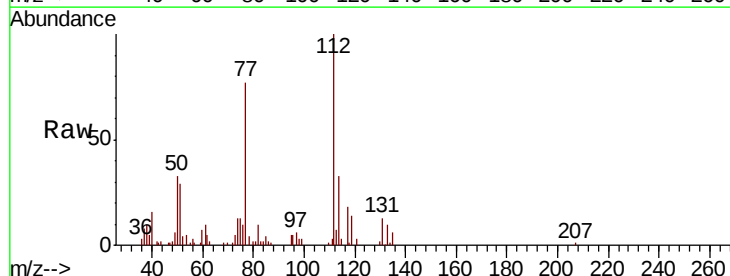
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

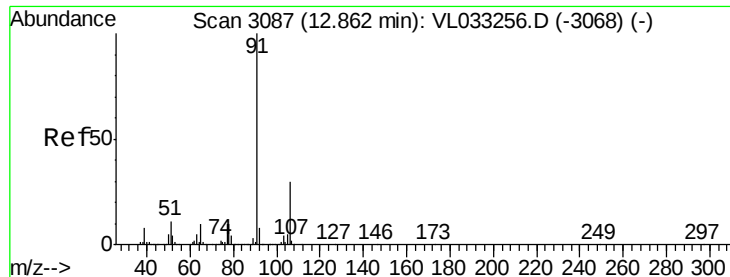
Tgt Ion:131 Resp: 20284
 Ion Ratio Lower Upper
 131 100
 133 185.2 76.3 114.5#
 119 0.0 109.2 163.8#



#57
 Chlorobenzene
 Concen: 0.437 ppbv
 RT: 12.30 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion:112 Resp: 72248
 Ion Ratio Lower Upper
 112 100
 77 76.4 56.8 85.2
 114 33.1 29.5 36.1





#58

Ethyl Benzene

Concen: 0.354 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

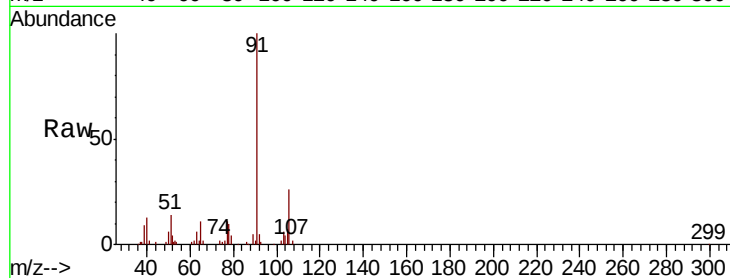
0.4 PPB MDL

Tgt Ion: 91 Resp: 108002

Ion Ratio Lower Upper

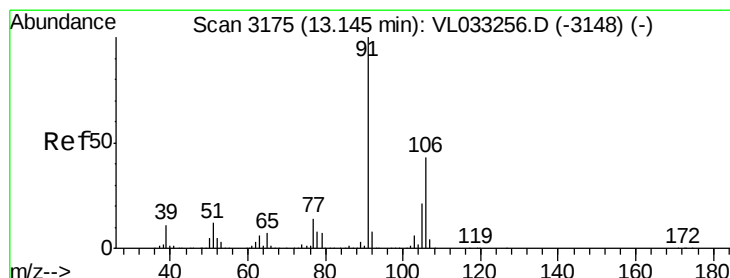
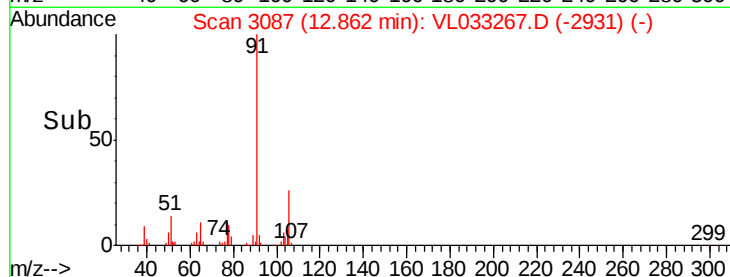
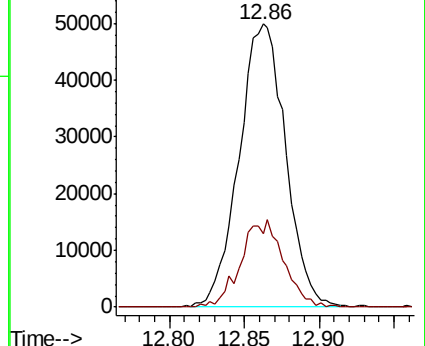
91 100

106 26.0 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.393 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VL033267.D

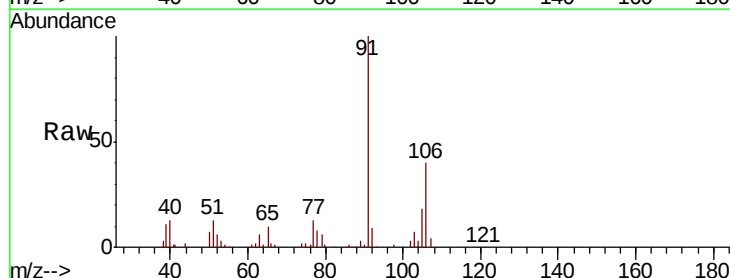
Acq: 8 Mar 2019 21:31

Tgt Ion: 91 Resp: 108562

Ion Ratio Lower Upper

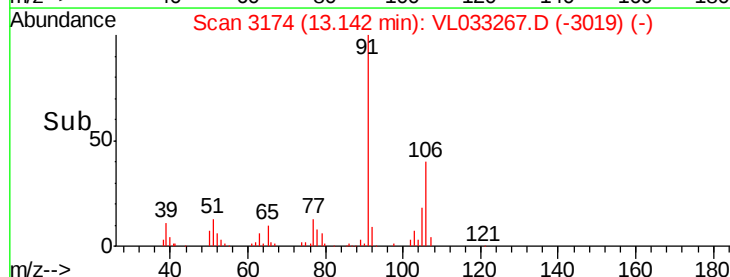
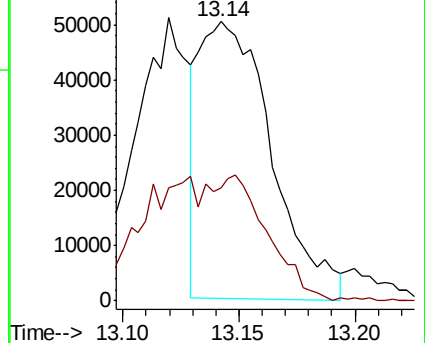
91 100

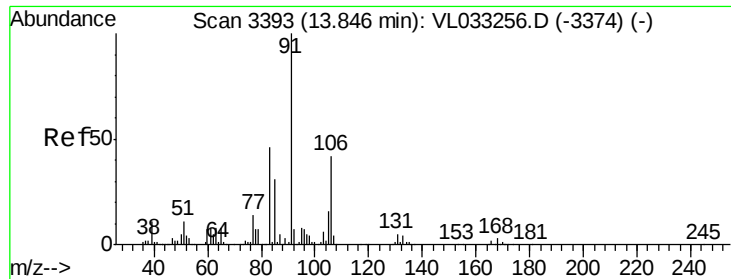
106 38.1 35.0 52.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

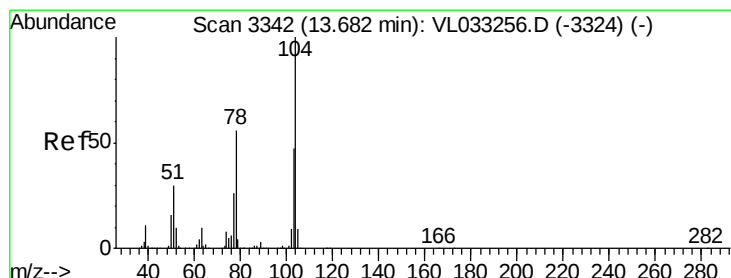
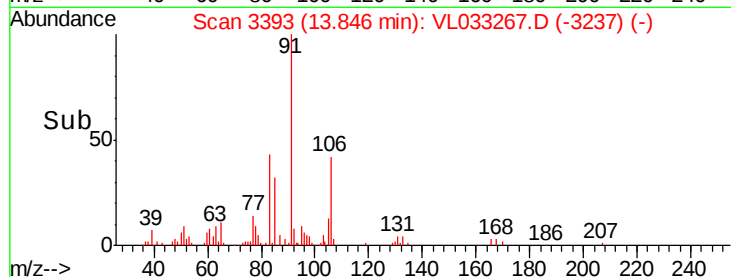
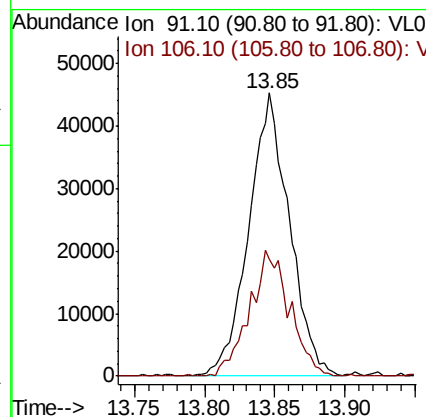
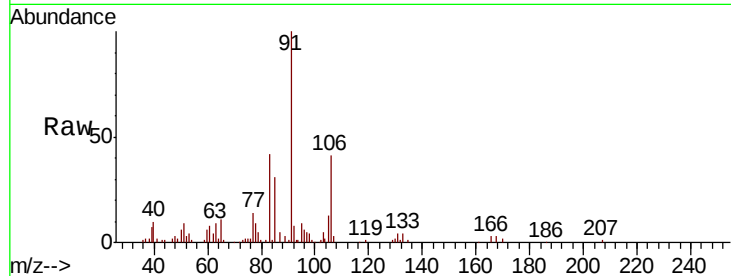




#60
o-Xylene
Concen: 0.341 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

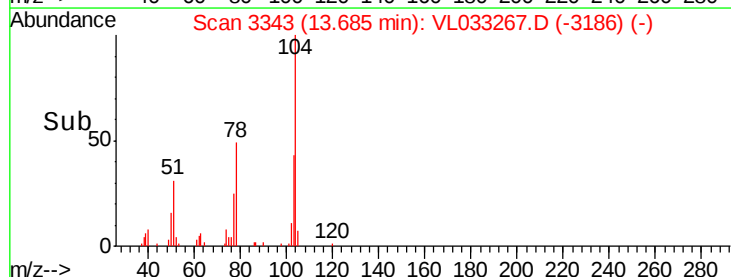
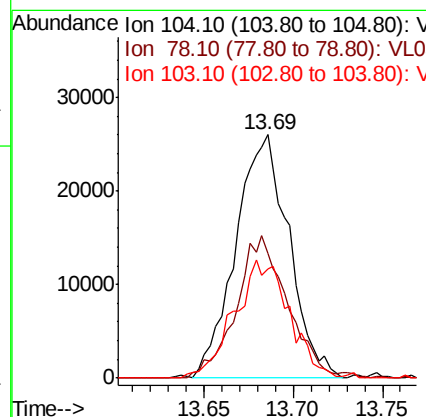
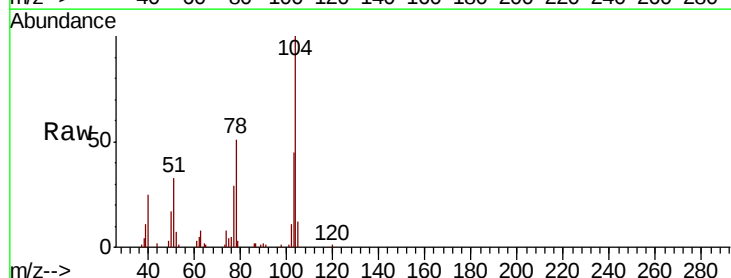
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

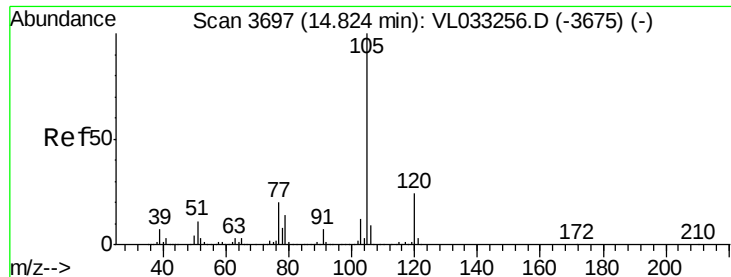
Tgt Ion: 91 Resp: 91106
Ion Ratio Lower Upper
91 100
106 43.8 21.1 63.4



#61
Styrene
Concen: 0.297 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 104 Resp: 54121
Ion Ratio Lower Upper
104 100
78 57.0 43.9 65.9
103 50.2 38.3 57.5





#62

Isopropylbenzene

Concen: 0.197 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

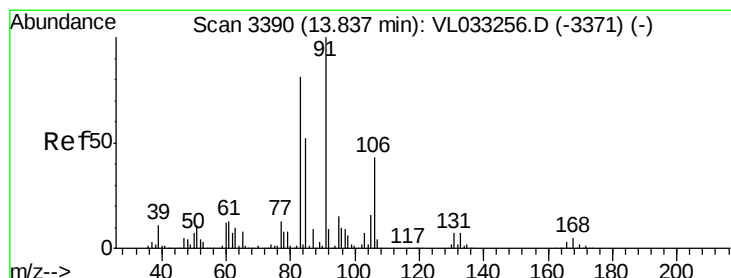
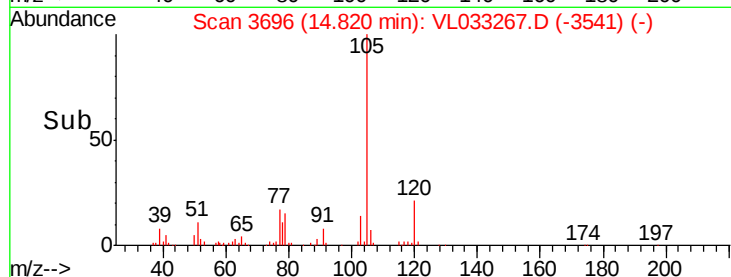
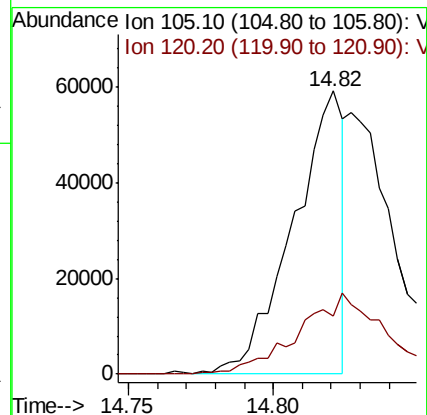
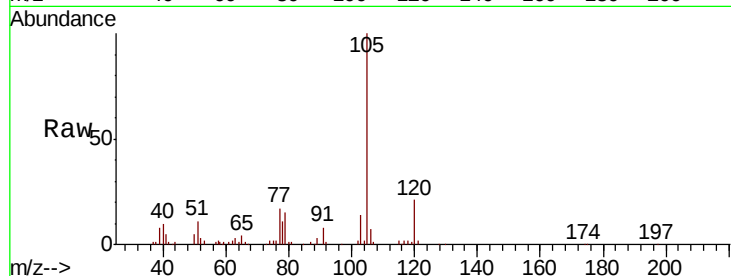
0.4 PPB MDL

Tgt Ion:105 Resp: 70497

Ion Ratio Lower Upper

105 100

120 0.0 19.7 29.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.192 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

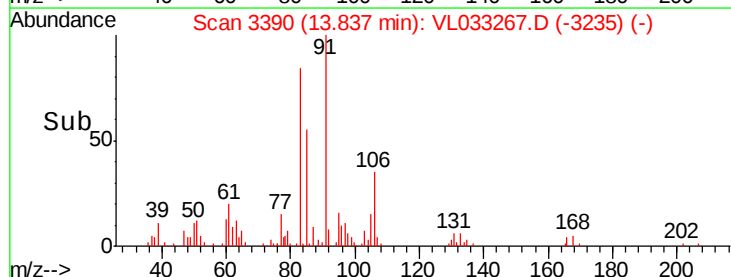
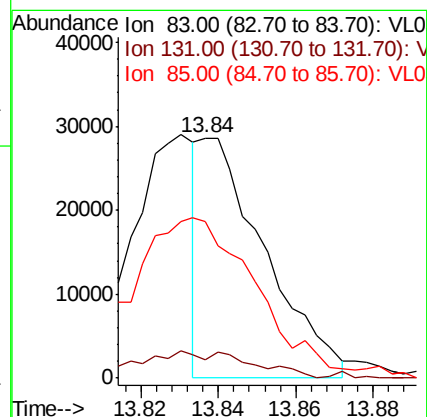
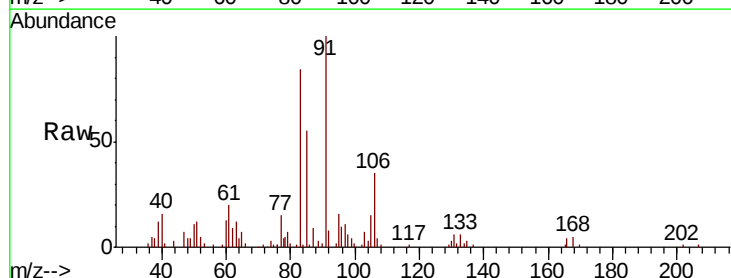
Tgt Ion: 83 Resp: 33026

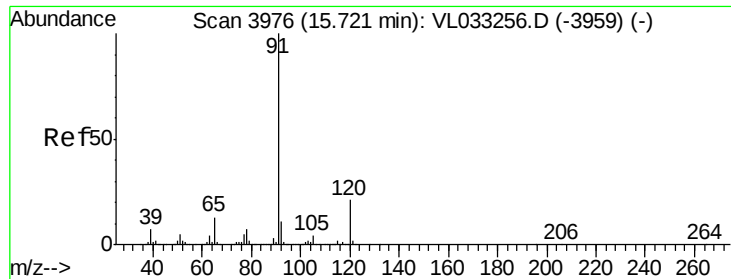
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 136.8 32.4 97.0#

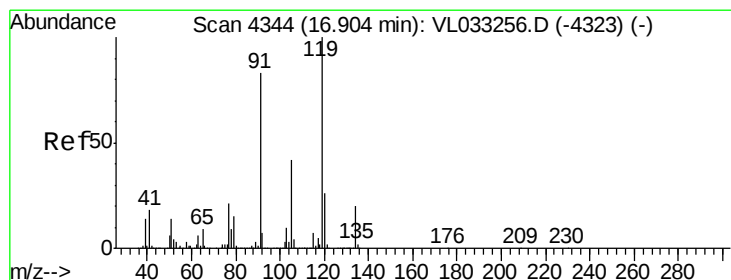
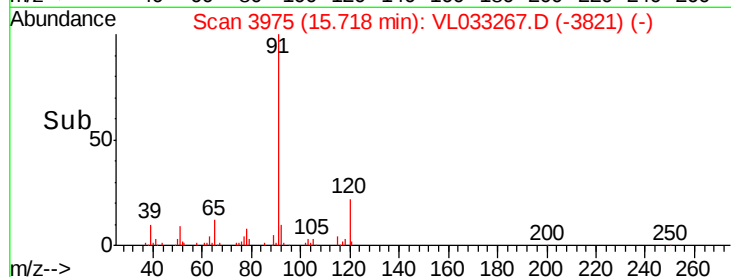
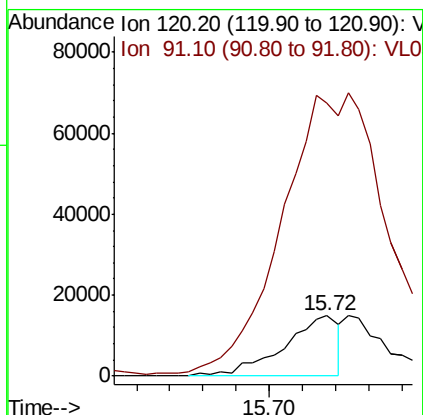
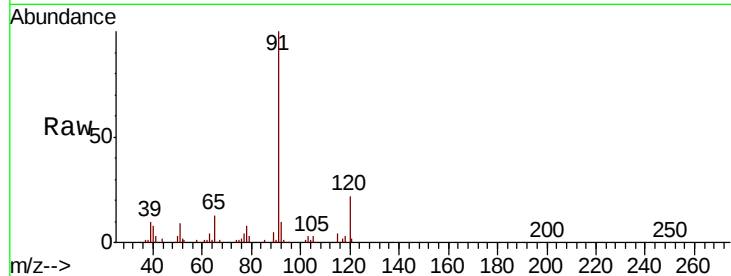




#64
n-propylbenzene
Concen: 0.199 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

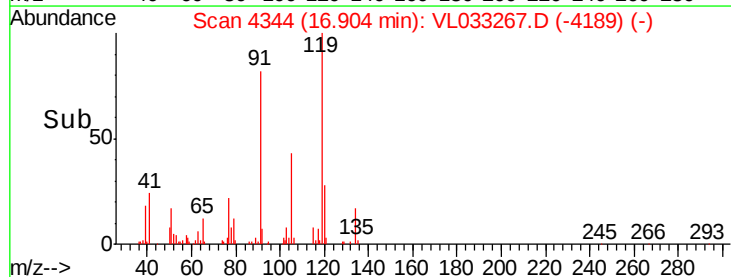
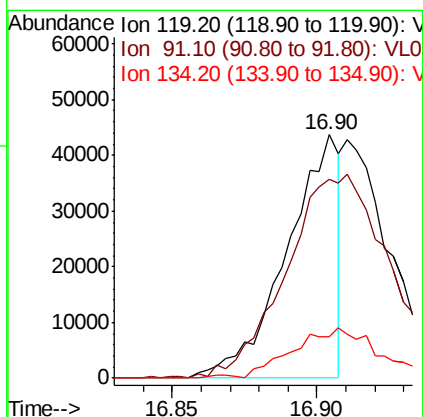
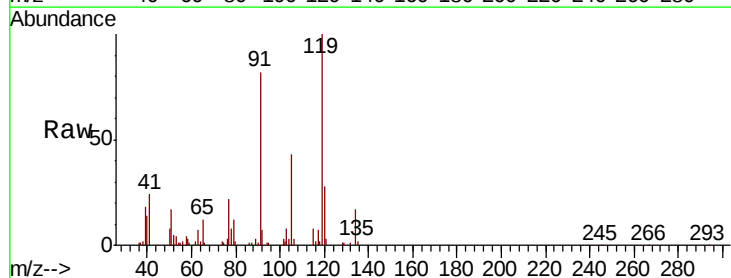
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

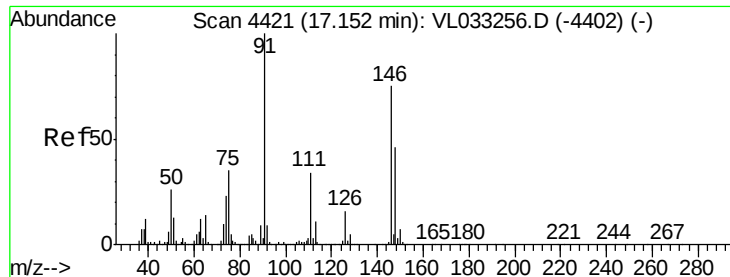
Tgt Ion:120 Resp: 17336
Ion Ratio Lower Upper
120 100
91 543.0 392.8 589.2



#65
tert-Butylbenzene
Concen: 0.184 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion:119 Resp: 55188
Ion Ratio Lower Upper
119 100
91 0.0 67.3 100.9#
134 0.0 15.5 23.3#

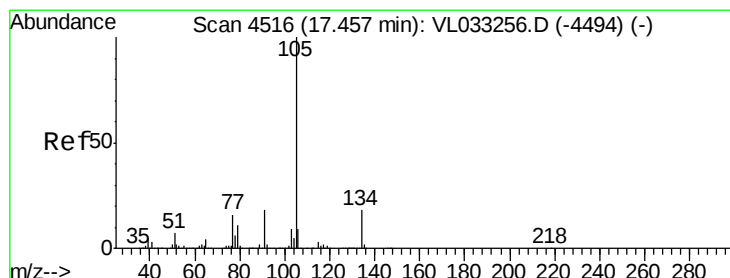
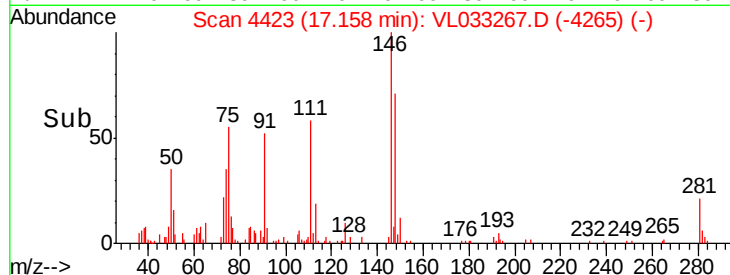
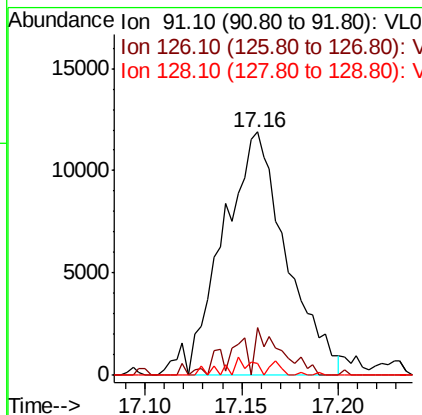
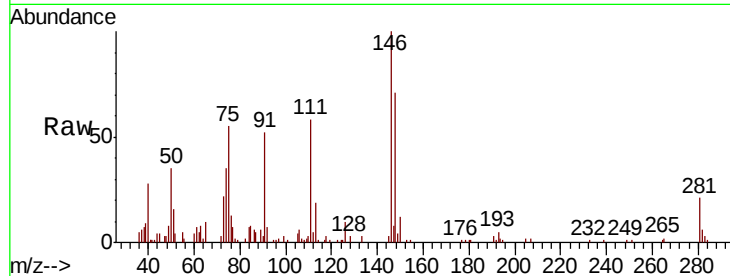




#66
Benzyl Chloride
Concen: 0.237 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

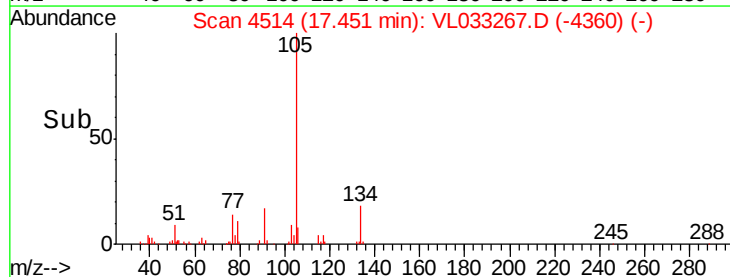
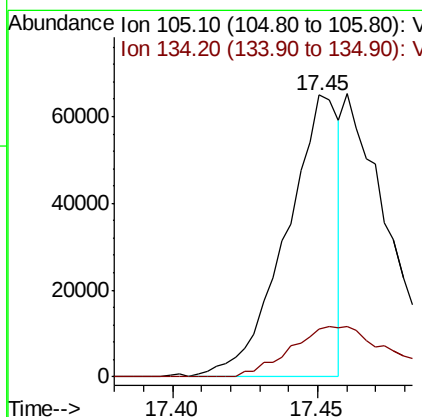
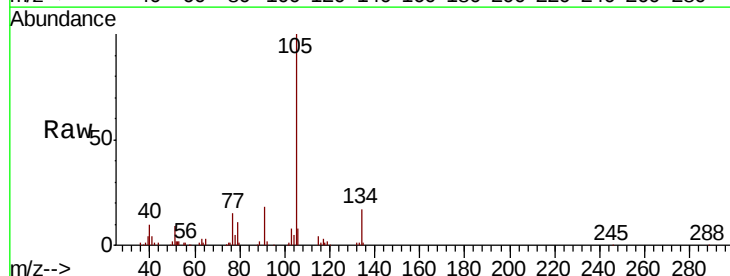
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

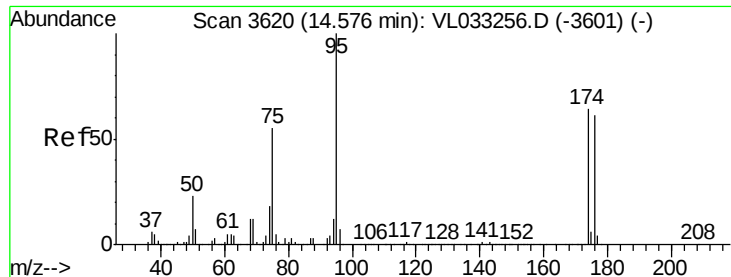
Tgt Ion: 91 Resp: 26705
Ion Ratio Lower Upper
91 100
126 15.0 13.0 19.6
128 3.9 4.2 6.2#



#67
sec-Butylbenzene
Concen: 0.192 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion: 105 Resp: 81932
Ion Ratio Lower Upper
105 100
134 33.0 14.0 21.0#

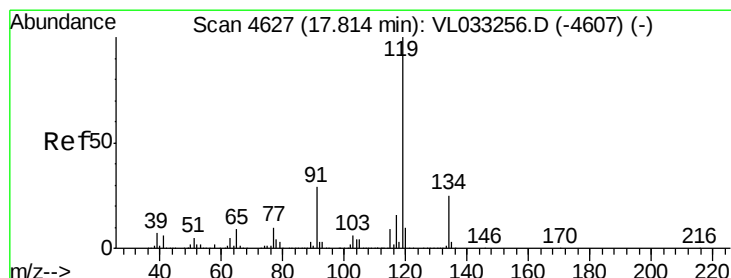
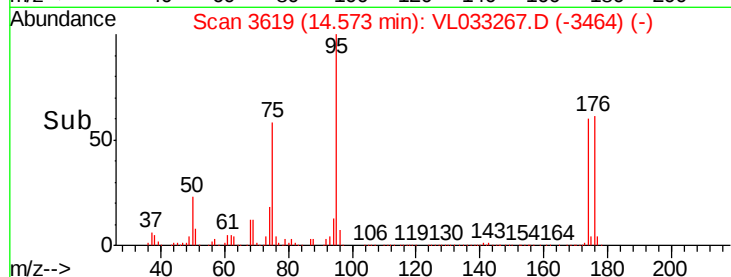
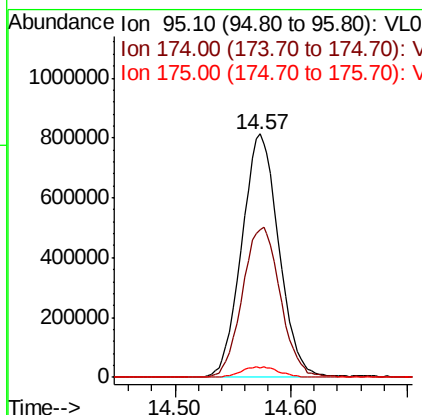
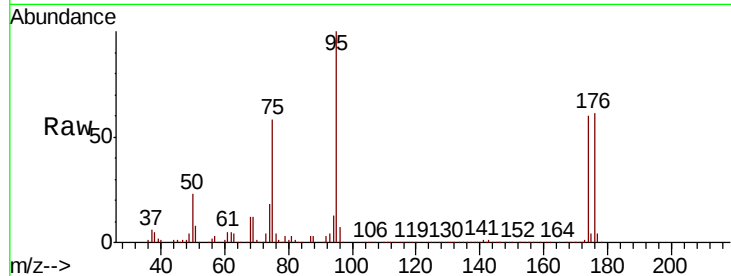




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.990 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

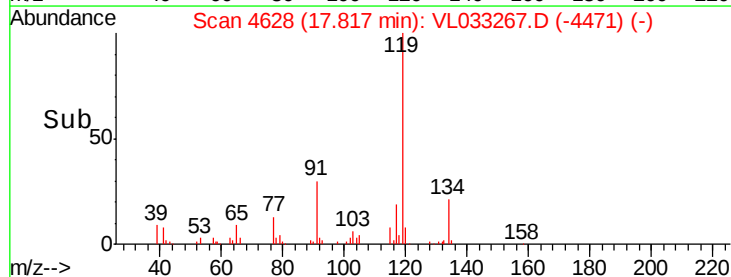
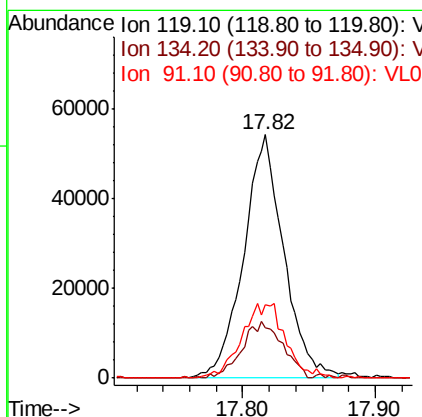
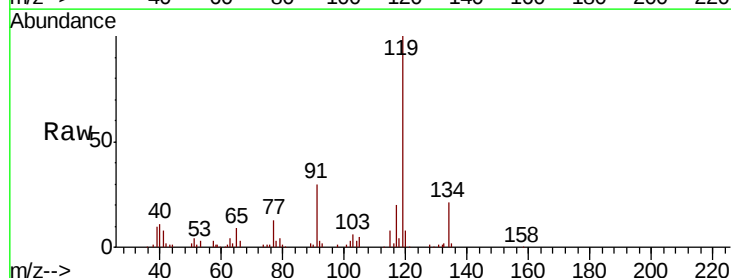
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

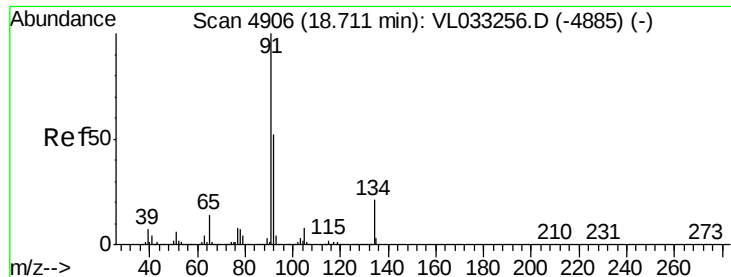
Tgt Ion: 95 Resp: 1807715
 Ion Ratio Lower Upper
 95 100
 174 63.4 51.7 77.5
 175 4.5 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.327 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion: 119 Resp: 113378
 Ion Ratio Lower Upper
 119 100
 134 24.5 19.8 29.8
 91 34.1 23.9 35.9





#70

n-Butylbenzene

Concen: 0.166 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

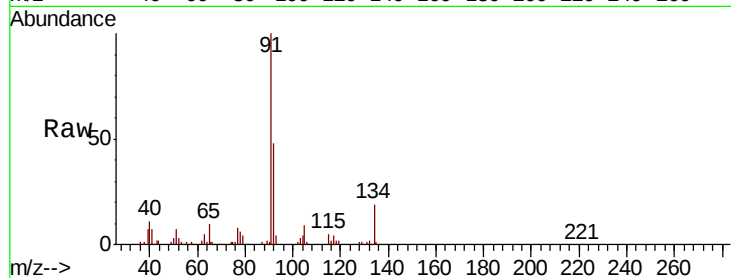
Tgt Ion: 91 Resp: 62215

Ion Ratio Lower Upper

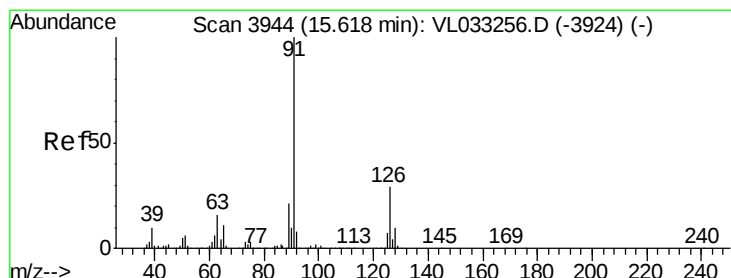
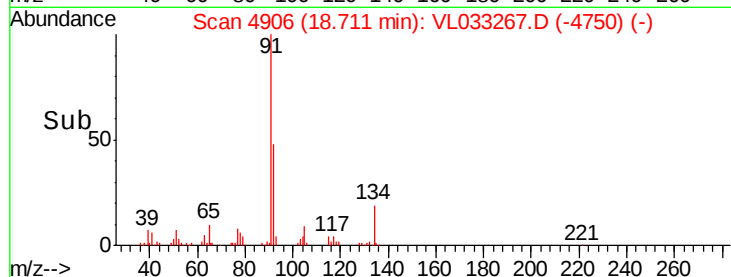
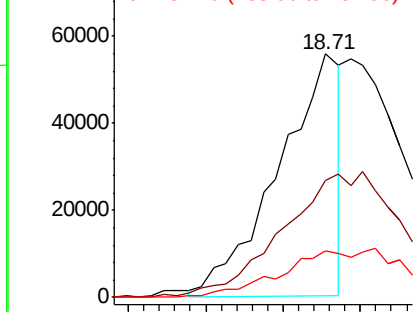
91 100

92 0.0 42.6 63.8#

134 0.0 17.3 25.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.353 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VL033267.D

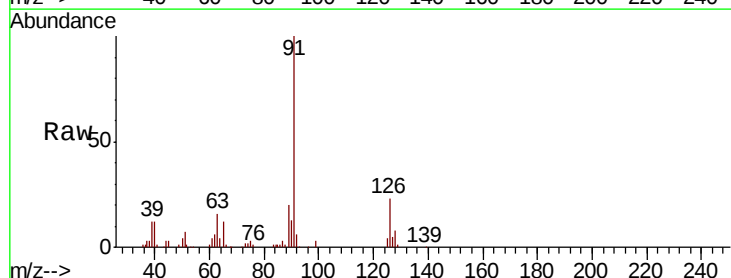
Acq: 8 Mar 2019 21:31

Tgt Ion: 91 Resp: 94211

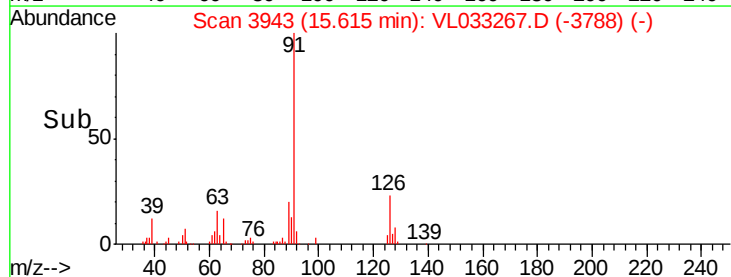
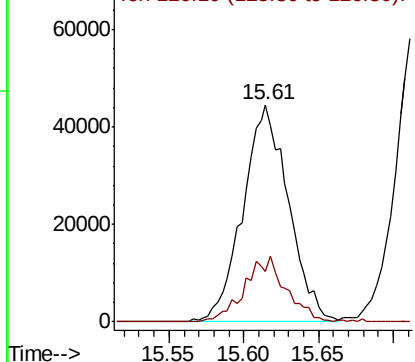
Ion Ratio Lower Upper

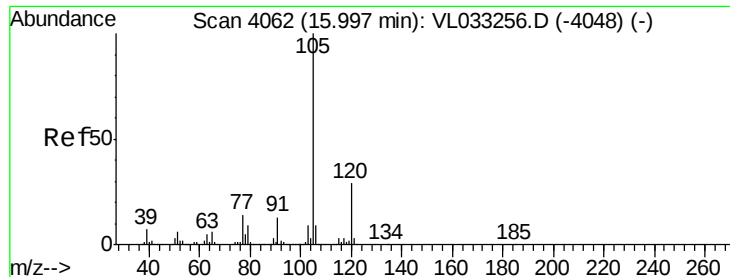
91 100

126 27.5 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.339 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

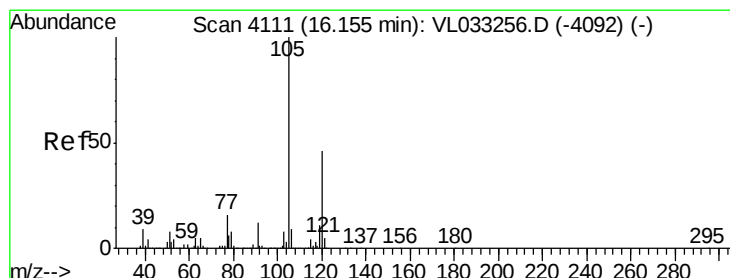
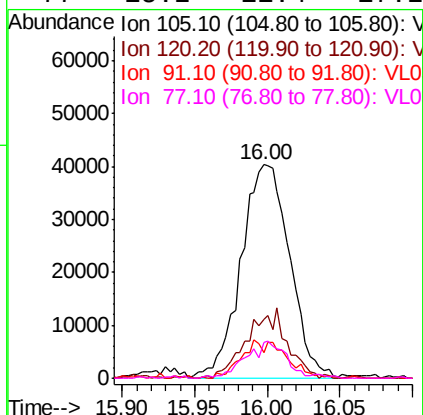
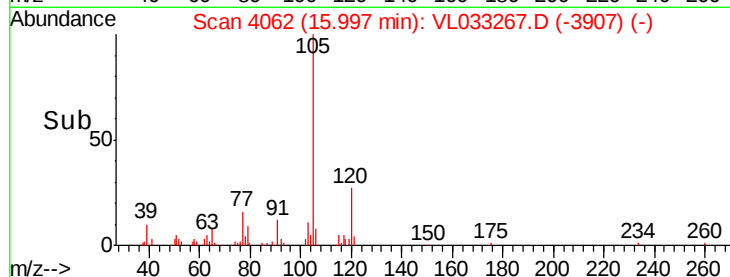
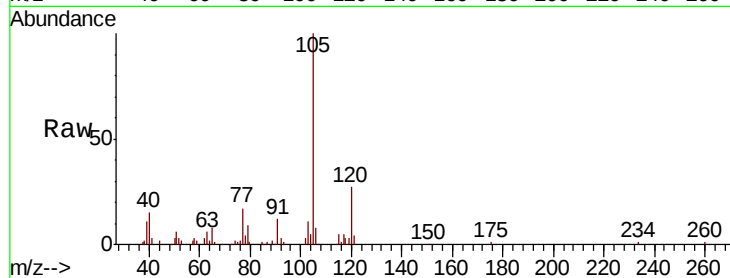
Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion:	105	Resp:	94430
Ion	Ratio	Lower	Upper
105	100		
120	27.4	22.9	34.3
91	16.3	10.4	15.6
77	15.2	11.4	17.2



#73

1,3,5-Trimethylbenzene

Concen: 0.321 ppbv

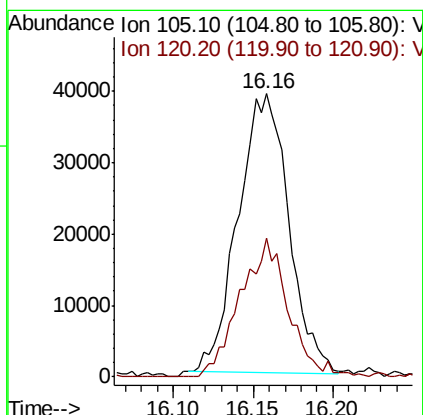
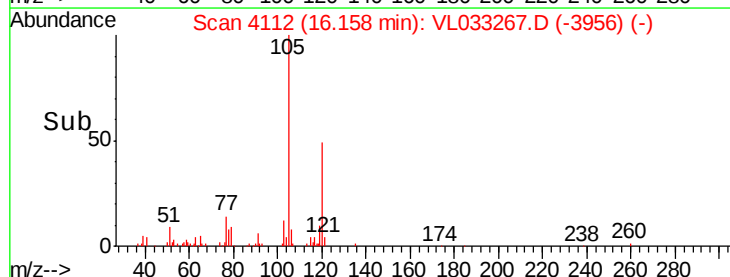
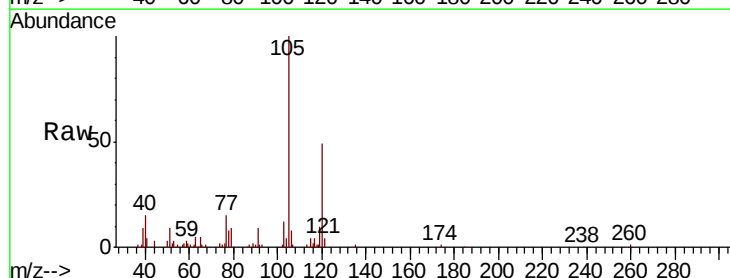
RT: 16.16 min Scan# 4112

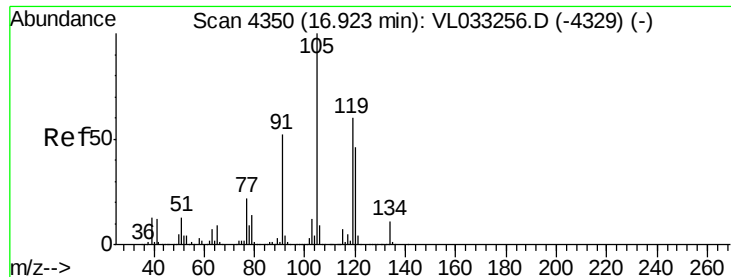
Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Tgt Ion:	105	Resp:	85086
Ion	Ratio	Lower	Upper
105	100		
120	49.8	36.6	55.0





#74

1,2,4-Trimethylbenzene

Concen: 0.340 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion:105 Resp: 93796

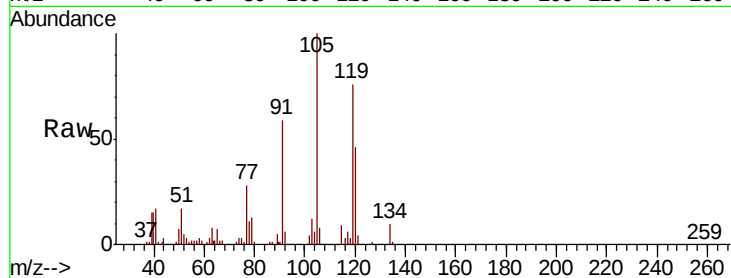
Ion Ratio Lower Upper

105 100

120 44.8 36.7 55.1

91 56.8 42.1 63.1

77 27.7 17.8 26.6#



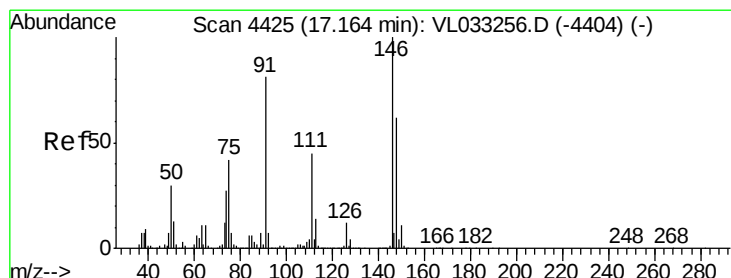
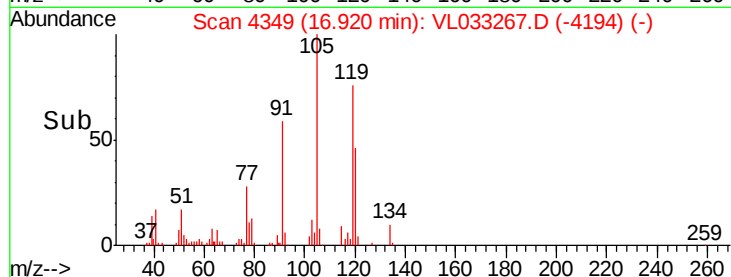
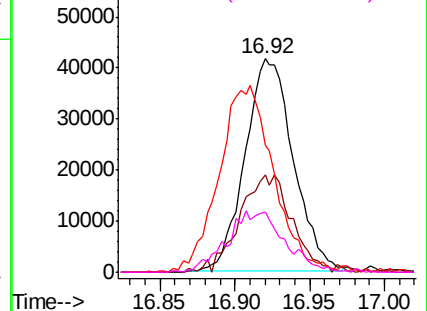
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.345 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

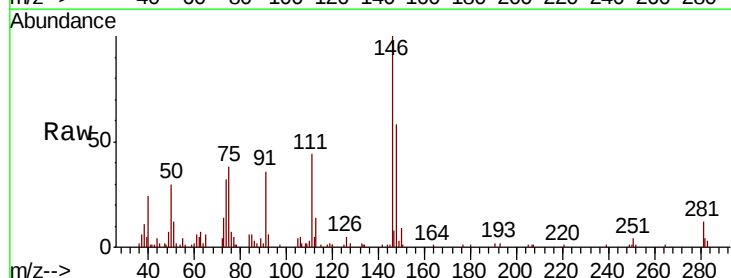
Tgt Ion:146 Resp: 56212

Ion Ratio Lower Upper

146 100

111 54.0 22.9 68.7

148 74.2 31.6 94.7

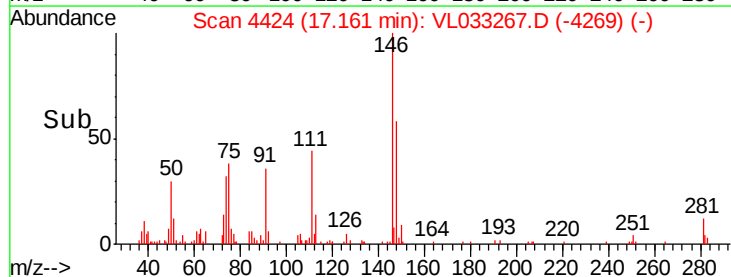
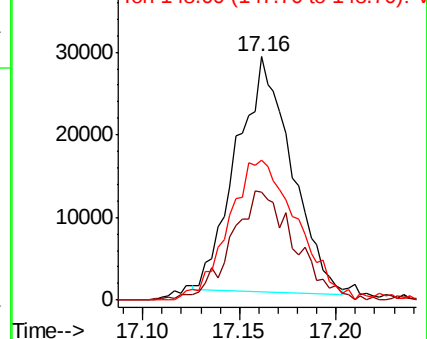


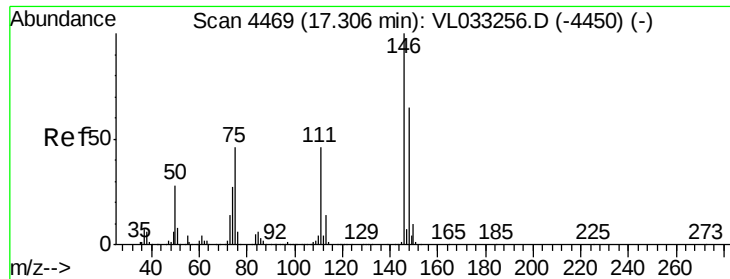
Abundance

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

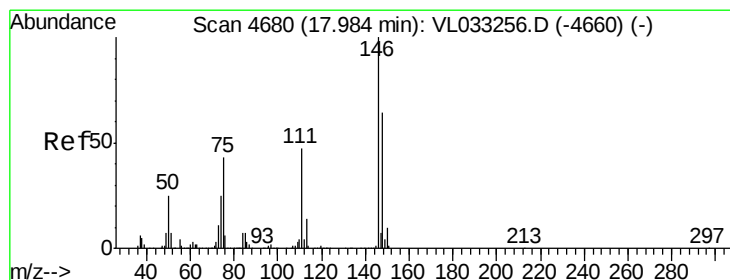
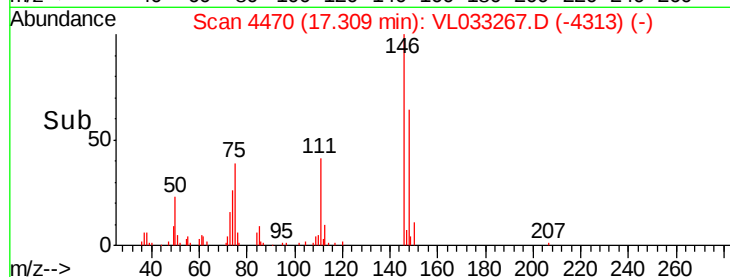
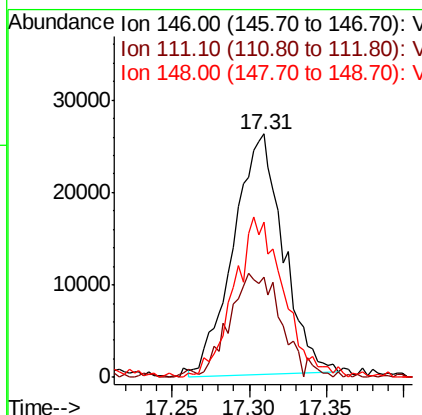
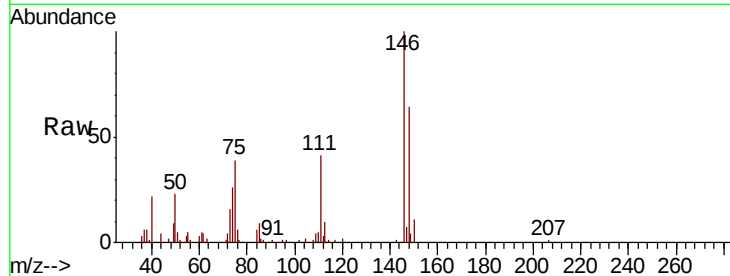




#76
 1,4-Dichlorobenzene
 Concen: 0.366 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. 0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

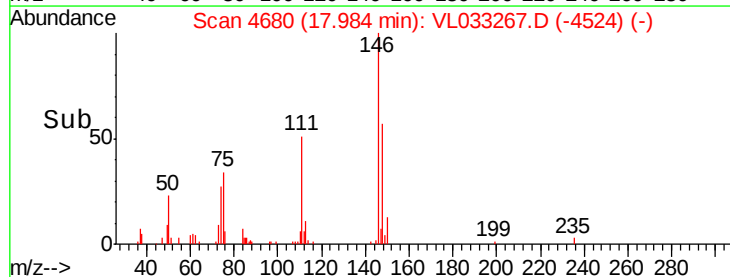
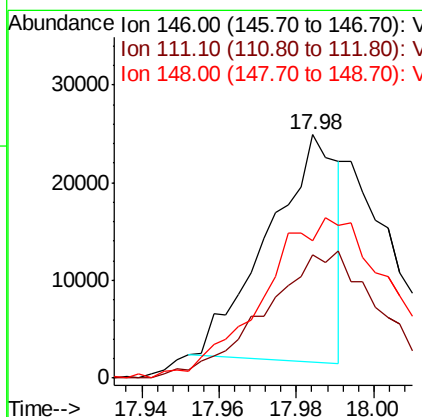
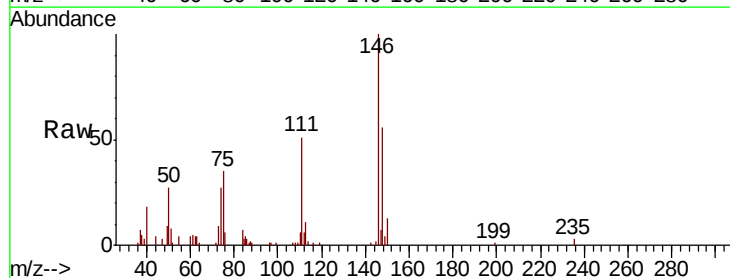
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

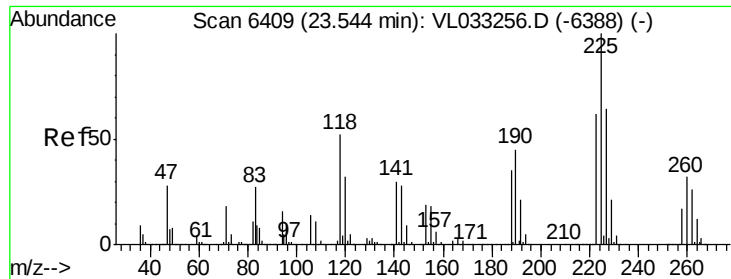
Tgt Ion:146 Resp: 58514
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.6 67.7
 148 66.4 32.3 96.9



#77
 1,2-Dichlorobenzene
 Concen: 0.184 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033267.D
 Acq: 8 Mar 2019 21:31

Tgt Ion:146 Resp: 28913
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.2#
 148 0.0 32.0 96.2#





#78

Hexachloro-1,3-Butadiene

Concen: 0.294 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. 0.00 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

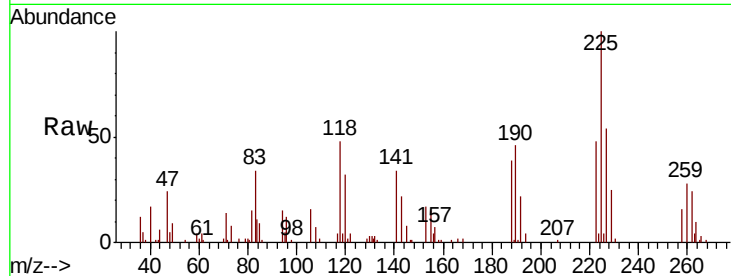
Tgt Ion:225 Resp: 34942

Ion Ratio Lower Upper

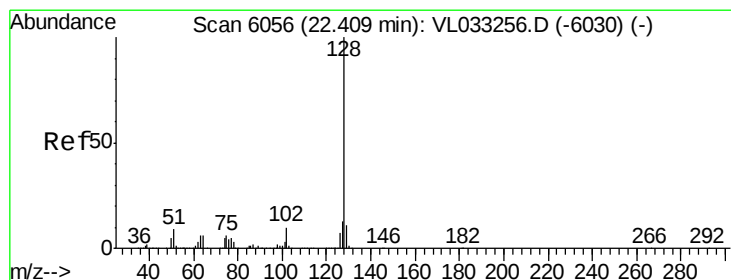
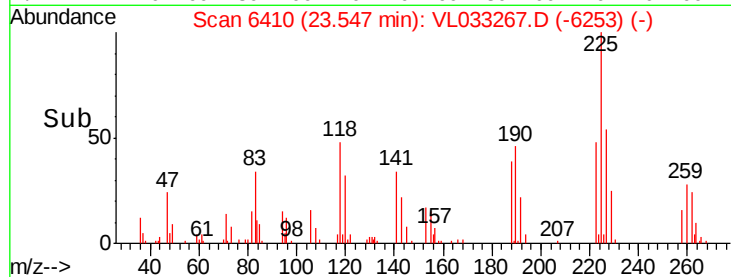
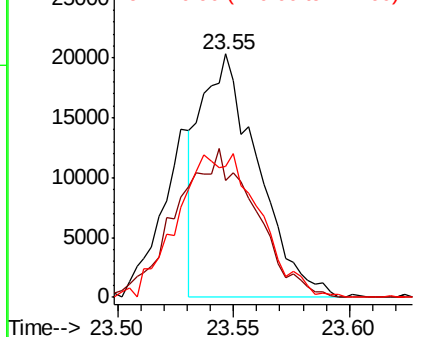
225 100

223 84.7 50.4 75.6#

227 84.4 51.4 77.0#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.160 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. 0.01 min

Lab File: VL033267.D

Acq: 8 Mar 2019 21:31

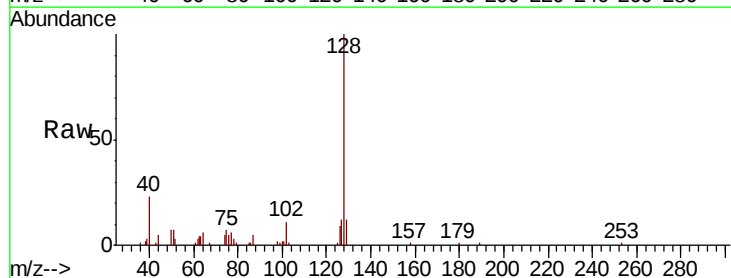
Tgt Ion:128 Resp: 48051

Ion Ratio Lower Upper

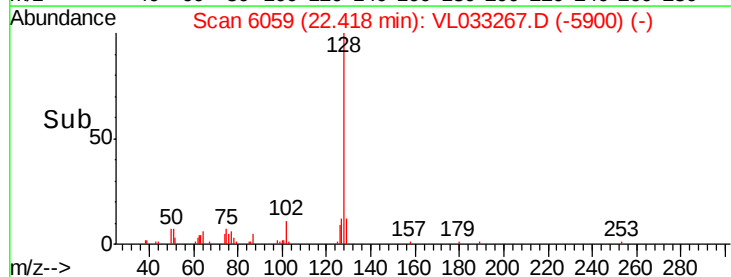
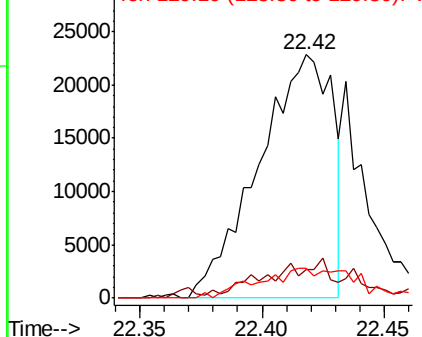
128 100

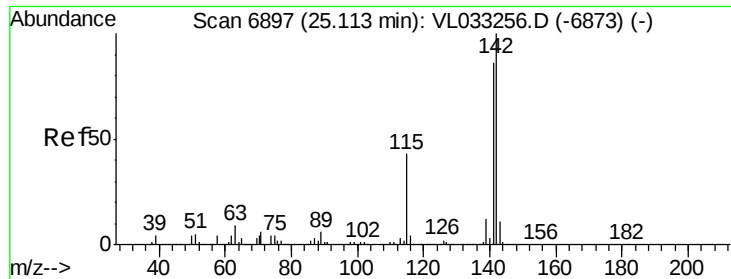
127 7.4 10.3 15.5#

129 12.4 8.6 13.0



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

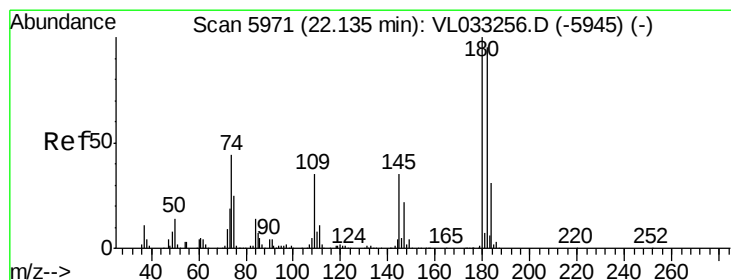
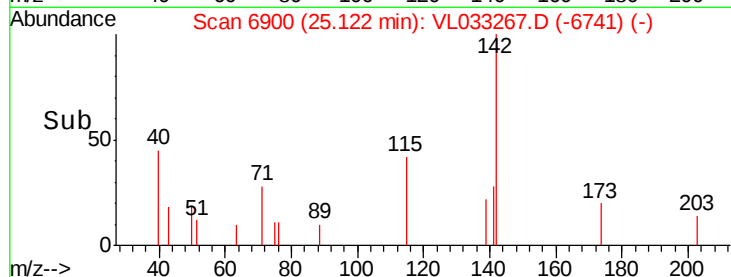
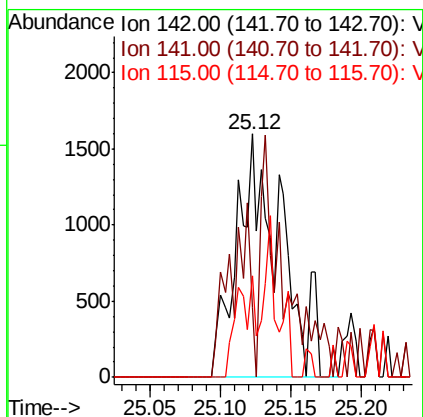
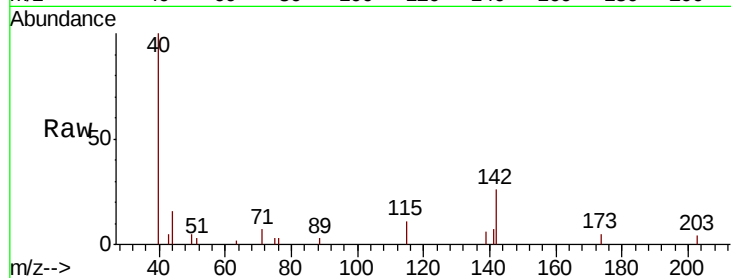




#80
Naphthalene, 2-methyl-
Concen: 0.048 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:142 Resp: 3500
Ion Ratio Lower Upper
142 100
141 32.6 67.6 101.4#
115 1.2 33.9 50.9#



#81
1,2,4-Trichlorobenzene
Concen: 0.083 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.00 min
Lab File: VL033267.D
Acq: 8 Mar 2019 21:31

Tgt Ion:180 Resp: 12842
Ion Ratio Lower Upper
180 100
182 0.0 76.3 114.5#
184 94.5 24.6 36.8#

