

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
 Data File : VL033269.D
 Acq On : 8 Mar 2019 22:45
 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 03:46:02 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	1031641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2305816	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2259969	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1813523	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	98342	0.504	ppbv	96
3) Chlorodifluoromethane	3.01	51	54331	0.464	ppbv	98
4) Chloromethane	3.17	50	28468	0.467	ppbv #	89
5) Vinyl Chloride	3.29	62	26529	0.434	ppbv	89
6) Bromomethane	3.52	94	17202	0.458	ppbv	84
7) Chloroethane	3.61	64	10398	0.470	ppbv #	80
8) Dichlorotetrafluoroethane	3.22	85	73262	0.481	ppbv	99
9) Propene	3.03	41	21896	0.424	ppbv	86
10) Heptane	8.25	43	48242	0.342	ppbv	93
11) Trichlorofluoromethane	4.00	101	73849	0.433	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	47119	0.421	ppbv	97
13) Ethanol	3.66	45	8864	0.593	ppbv	86
14) Bromoethene	3.79	108	19460	0.423	ppbv	97
15) Acetone	3.92	43	60922	0.498	ppbv	98
16) 1,3-Butadiene	3.36	39	24839	0.489	ppbv	94
17) tert-Butyl alcohol	4.35	59	1075	0.054	ppbv #	75
18) 1,1-Dichloroethene	4.35	96	21072	0.430	ppbv	93
19) Isopropyl Alcohol	4.04	45	37665	0.512	ppbv #	97
20) Methylene Chloride	4.41	84	25326	0.504	ppbv #	79
21) Allyl Chloride	4.48	41	29052	0.395	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	20460	0.407	ppbv	84
23) Vinyl Acetate	5.16	43	60337	0.344	ppbv #	98
24) 1,1-Dichloroethane	5.08	63	52111	0.405	ppbv	99
25) Ethyl Acetate	5.77	43	93923	0.402	ppbv	99
26) Hexane	5.78	57	44427	0.403	ppbv	93
27) Carbon Disulfide	4.62	76	39563	0.355	ppbv #	74
28) Methyl tert-Butyl Ether	5.13	73	51439	0.363	ppbv	92
29) Chloroform	5.84	83	71001	0.422	ppbv	96
30) Cyclohexane	7.24	84	15117	0.177	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	36505	0.350	ppbv	93
32) 1,1,1-Trichloroethane	6.62	97	60319	0.380	ppbv	94
34) 2-Butanone	5.34	43	53993	0.387	ppbv	97
35) Carbon Tetrachloride	7.13	117	65858	0.421	ppbv	93
36) Benzene	7.00	78	76243	0.384	ppbv #	92
37) 1,2-Dichloroethane	6.41	62	54077	0.423	ppbv	99
38) Trichloroethene	7.95	130	28319	0.368	ppbv	89
39) 1,2-Dichloropropane	7.73	63	13996	0.180	ppbv	97
41) Tetrahydrofuran	6.17	42	15736	0.200	ppbv #	53
42) Bromodichloromethane	7.91	83	67543	0.388	ppbv	98
43) Methyl Methacrylate	8.14	69	26907	0.337	ppbv	93
44) 2,2,4-Trimethylpentane	7.99	57	131400	0.372	ppbv	96

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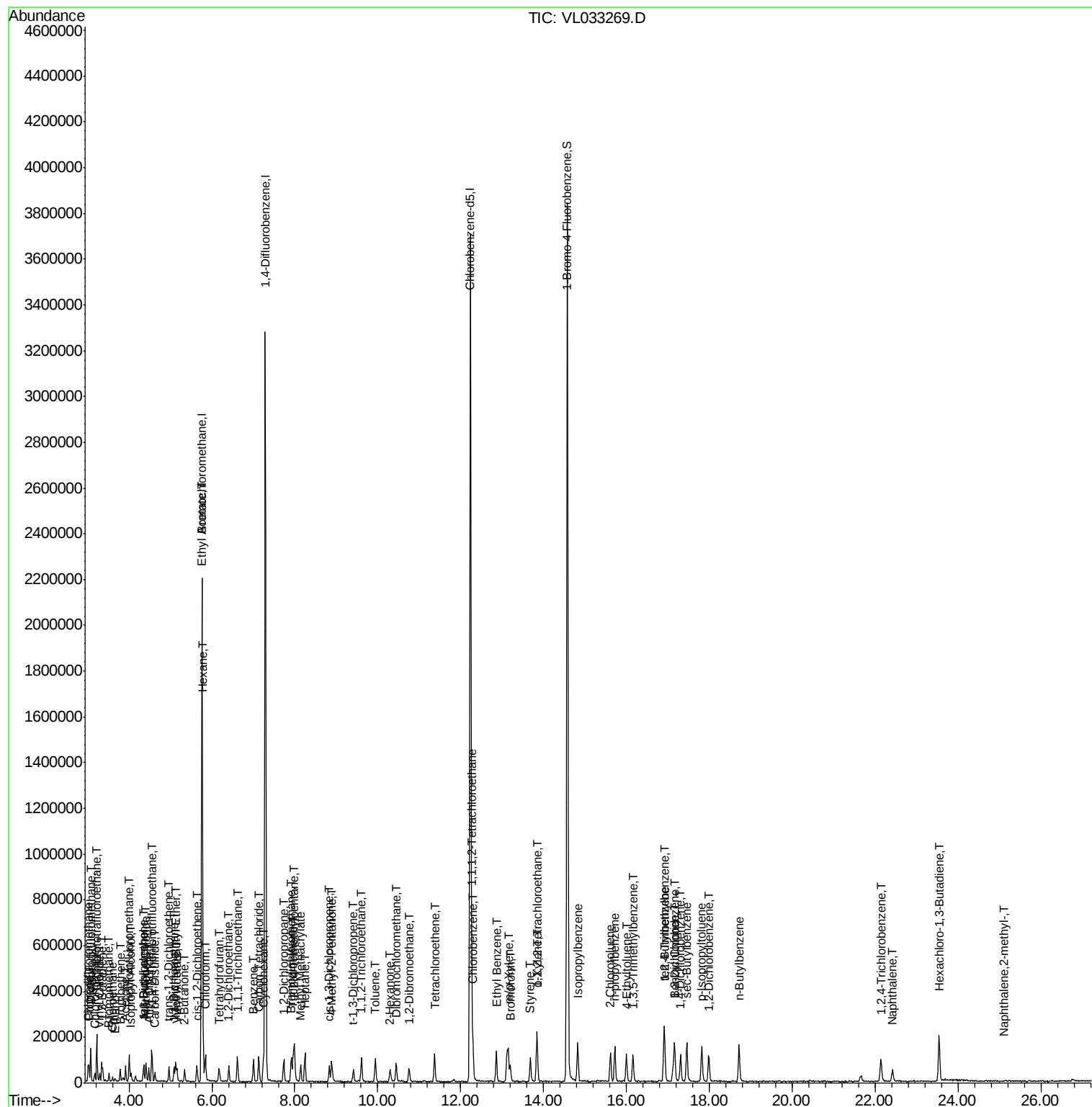
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.40	75	9994	0.103	ppbv	92
46) cis-1,3-Dichloropropene	8.83	75	31834	0.280	ppbv	93
47) 1,1,2-Trichloroethane	9.61	97	20188	0.241	ppbv	88
48) Dibromochloromethane	10.44	129	23947	0.175	ppbv #	16
49) Bromoform	13.20	173	36416	0.298	ppbv	97
50) 4-Methyl-2-Pentanone	8.89	43	73688	0.349	ppbv	99
51) 2-Hexanone	10.29	43	49523	0.315	ppbv #	99
52) Tetrachloroethene	11.36	164	16333	0.221	ppbv	82
53) Toluene	9.94	91	73355	0.323	ppbv	100
54) 1,2-Dibromoethane	10.75	107	44988	0.343	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.27	131	26614	0.281	ppbv #	15
57) Chlorobenzene	12.30	112	74084	0.447	ppbv #	85
58) Ethyl Benzene	12.86	91	105560	0.345	ppbv	98
59) m/p-Xylene	13.15	91	92246	0.333	ppbv #	38
60) o-Xylene	13.84	91	91239	0.340	ppbv	98
61) Styrene	13.69	104	51969	0.285	ppbv	93
62) Isopropylbenzene	14.82	105	129875	0.363	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	38098	0.221	ppbv #	34
64) n-propylbenzene	15.72	120	19219	0.220	ppbv #	1
65) tert-Butylbenzene	16.91	119	100130	0.333	ppbv	93
66) Benzyl Chloride	17.16	91	22663	0.201	ppbv #	70
67) sec-Butylbenzene	17.45	105	152394	0.356	ppbv	99
69) p-Isopropyltoluene	17.81	119	112162	0.323	ppbv	98
70) n-Butylbenzene	18.71	91	127128	0.338	ppbv	98
71) 2-Chlorotoluene	15.61	91	51301	0.192	ppbv #	45
72) 4-Ethyltoluene	16.00	105	92807	0.333	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.16	105	84130	0.316	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	53173	0.192	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	37222	0.228	ppbv #	24
76) 1,4-Dichlorobenzene	17.31	146	59835	0.374	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	34668	0.220	ppbv #	47
78) Hexachloro-1,3-Butadiene	23.54	225	49029	0.411	ppbv	98
79) Naphthalene	22.42	128	7084	0.023	ppbv #	94
80) Naphthalene,2-methyl-	25.12	142	2806	0.038	ppbv	92
81) 1,2,4-Trichlorobenzene	22.14	180	28608	0.184	ppbv #	53

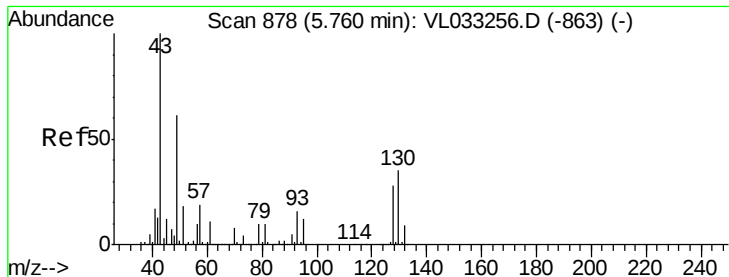
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

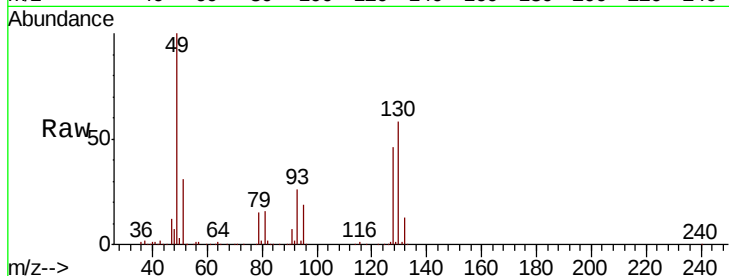
Tgt Ion: 49 Resp: 1031641

Ion Ratio Lower Upper

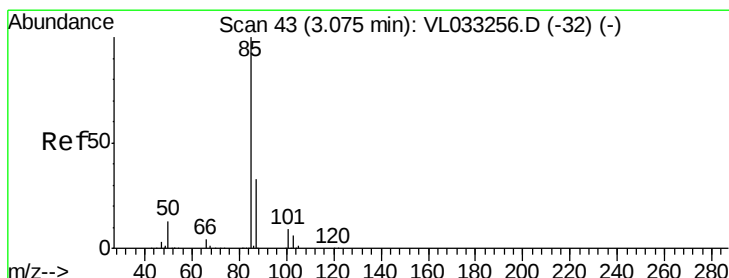
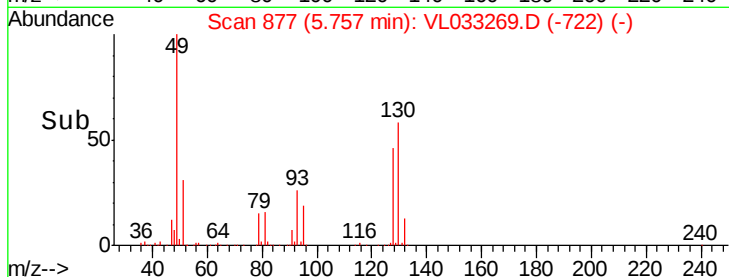
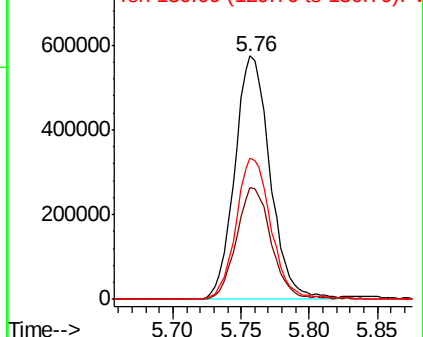
49 100

128 45.6 22.5 67.5

130 58.2 29.1 87.4



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: 0.504 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033269.D

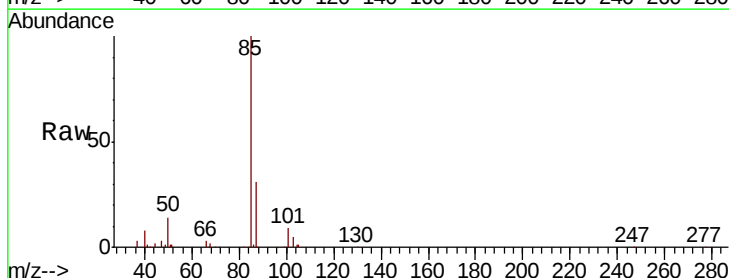
Acq: 8 Mar 2019 22:45

Tgt Ion: 85 Resp: 98342

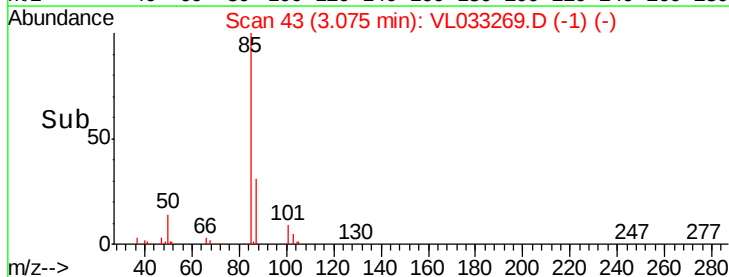
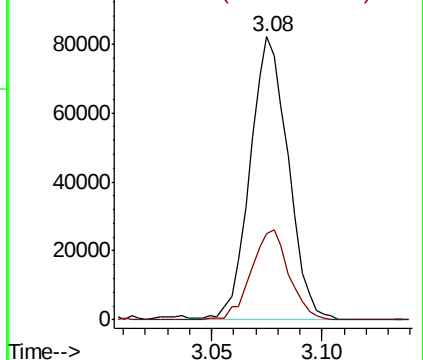
Ion Ratio Lower Upper

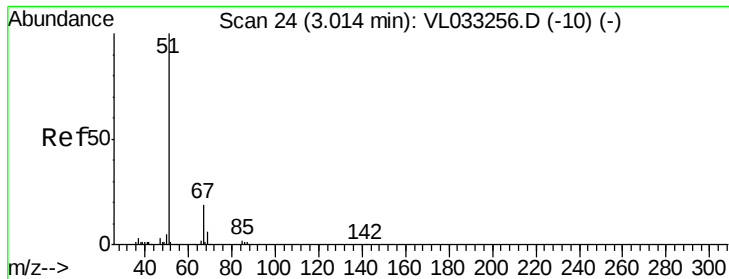
85 100

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: 0.464 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

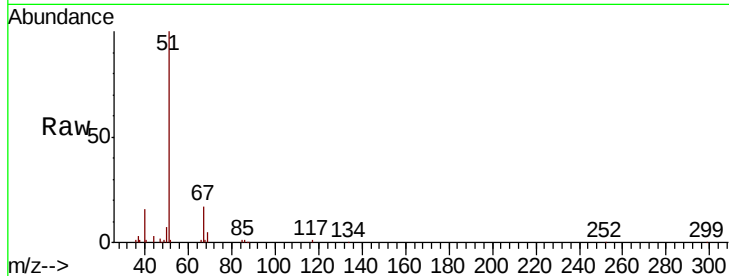
0.4 PPB MDL

Tgt Ion: 51 Resp: 54331

Ion Ratio Lower Upper

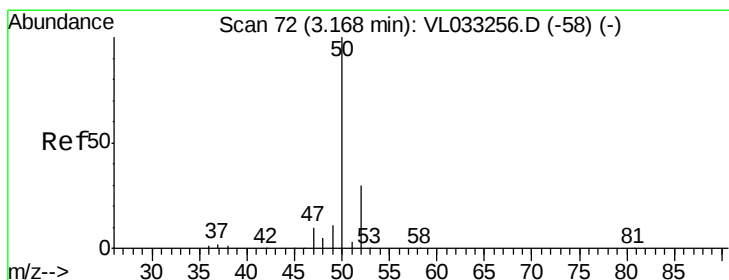
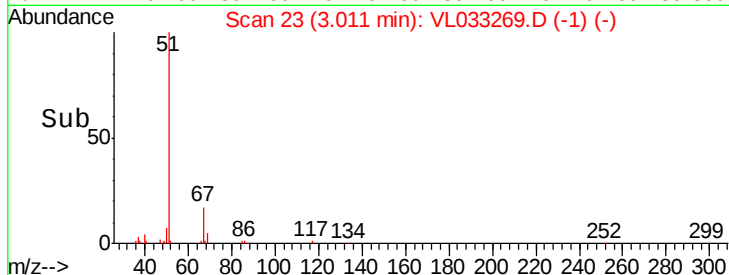
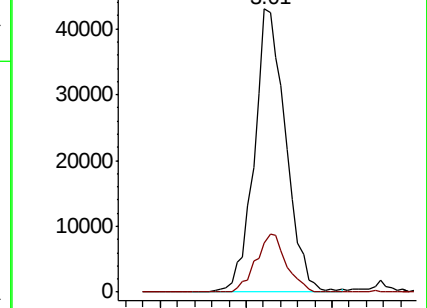
51 100

67 19.6 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: 0.467 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033269.D

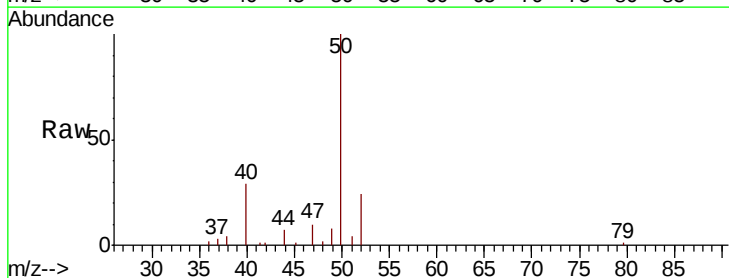
Acq: 8 Mar 2019 22:45

Tgt Ion: 50 Resp: 28468

Ion Ratio Lower Upper

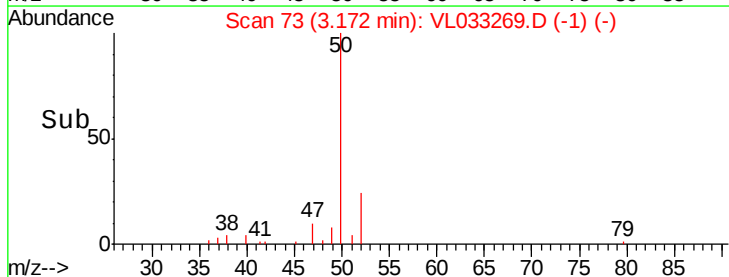
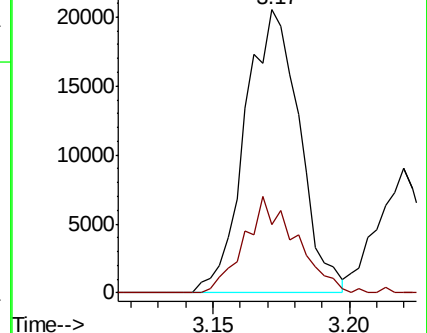
50 100

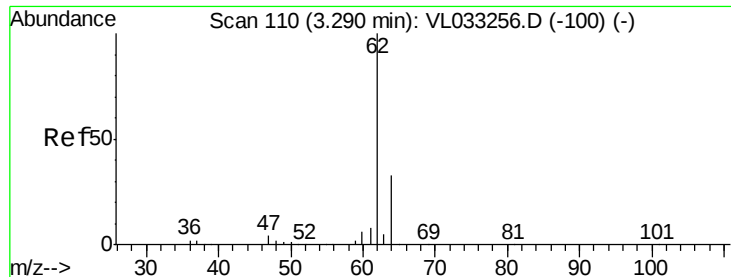
52 24.1 24.2 36.2#



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# 110

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

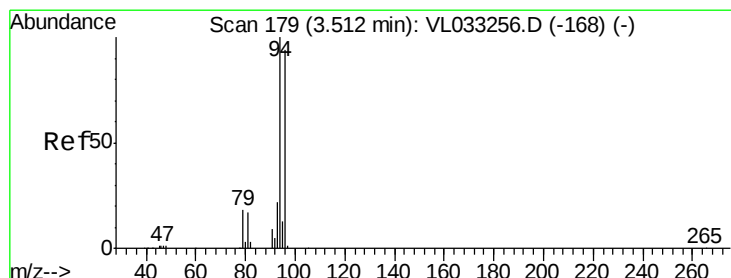
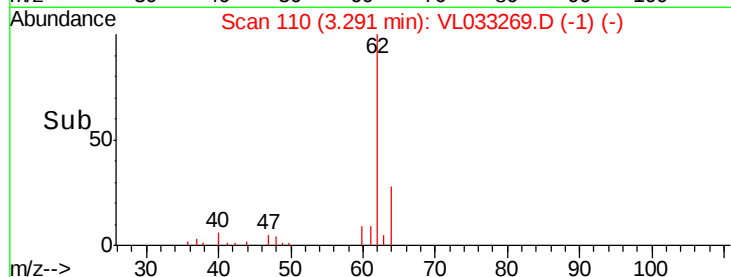
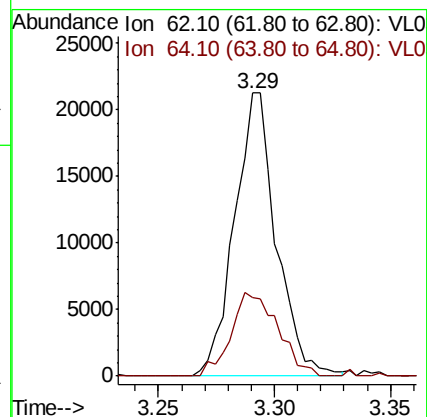
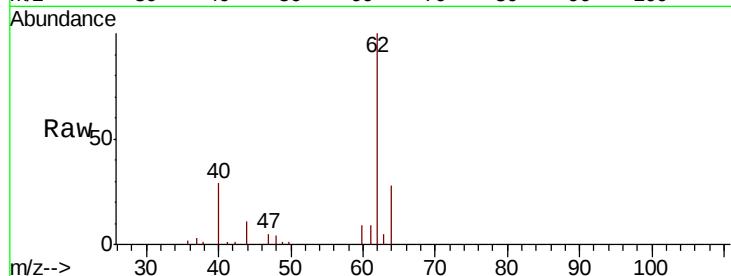
0.4 PPB MDL

Tgt Ion: 62 Resp: 26529

Ion Ratio Lower Upper

62 100

64 26.7 26.4 39.6



#6

Bromomethane

Concen: 0.458 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.01 min

Lab File: VL033269.D

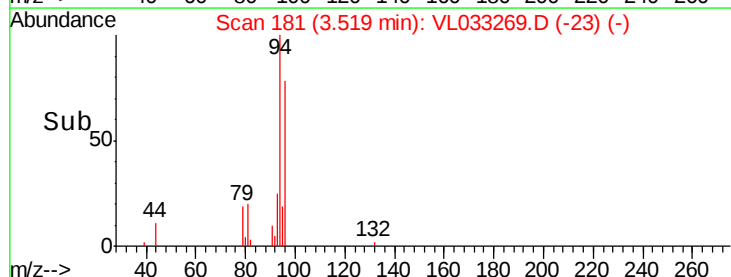
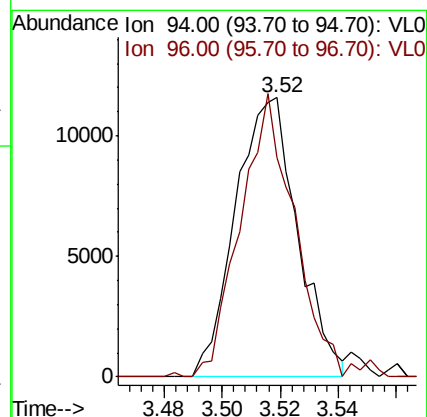
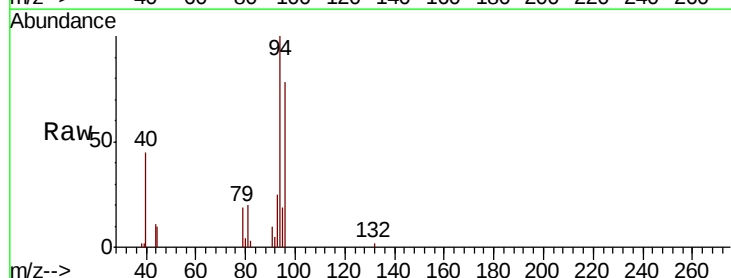
Acq: 8 Mar 2019 22:45

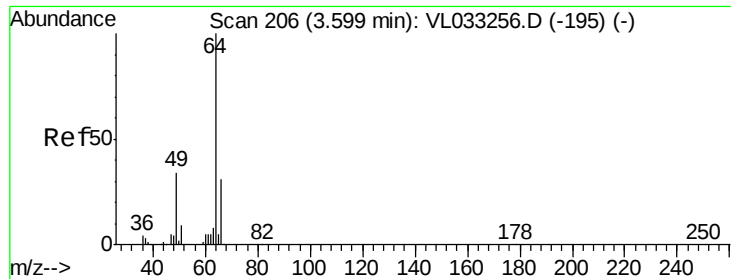
Tgt Ion: 94 Resp: 17202

Ion Ratio Lower Upper

94 100

96 78.4 75.3 112.9





#7

Chloroethane

Concen: 0.470 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.01 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

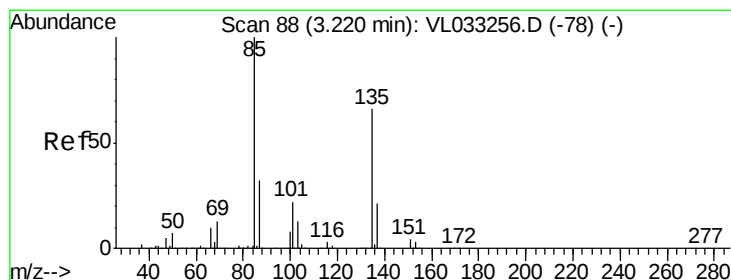
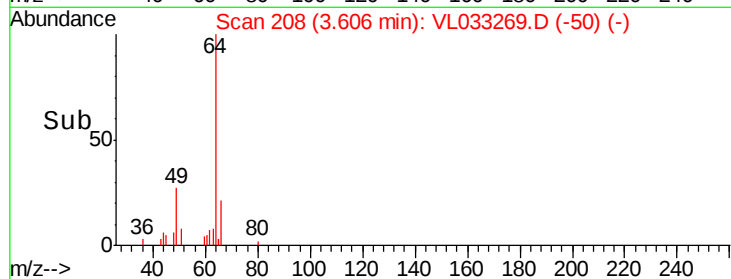
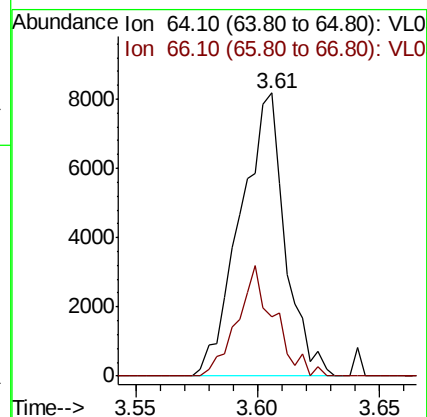
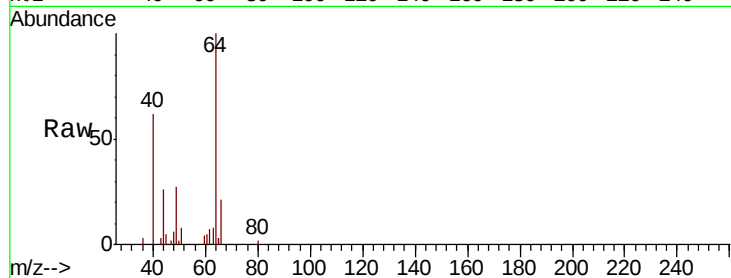
0.4 PPB MDL

Tgt Ion: 64 Resp: 10398

Ion Ratio Lower Upper

64 100

66 20.2 25.2 37.8#



#8

Dichlorotetrafluoroethane

Concen: 0.481 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033269.D

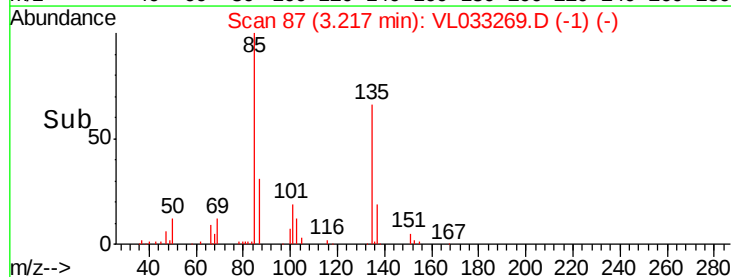
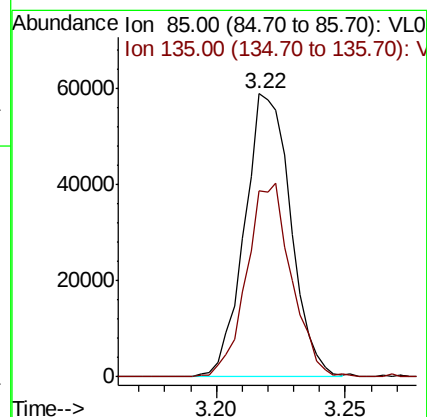
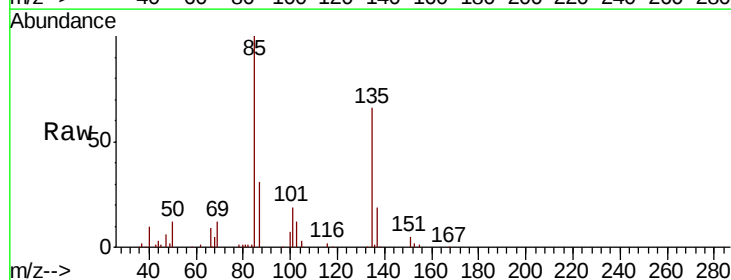
Acq: 8 Mar 2019 22:45

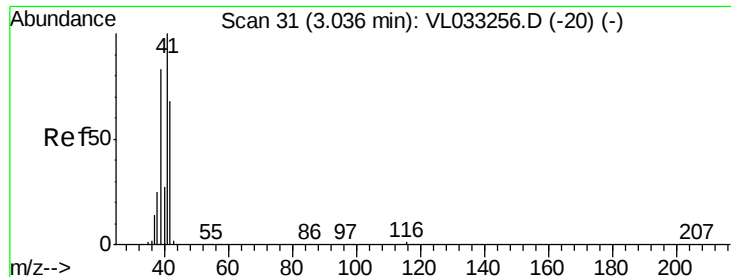
Tgt Ion: 85 Resp: 73262

Ion Ratio Lower Upper

85 100

135 66.4 52.3 78.5





#9

Propene

Concen: 0.424 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

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ClientSampleId :

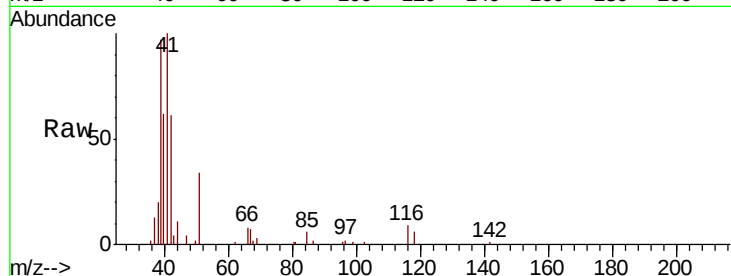
0.4 PPB MDL

Tgt Ion: 41 Resp: 21896

Ion Ratio Lower Upper

41 100

42 80.6 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

20000

15000

10000

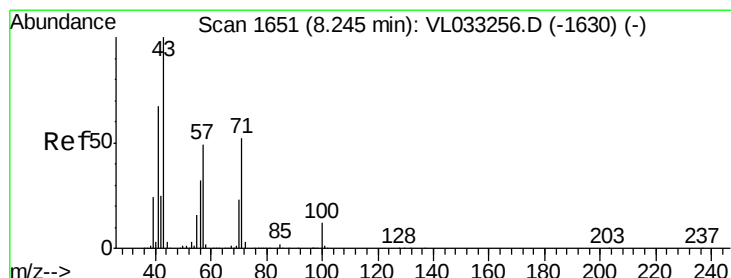
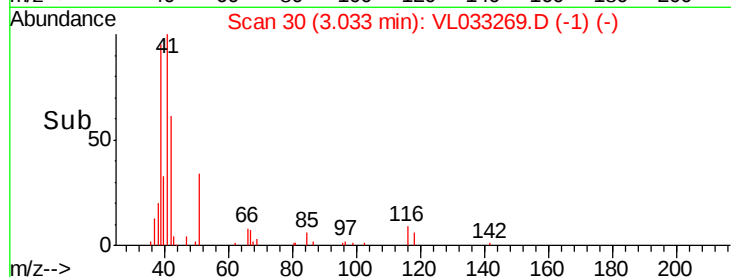
5000

0

3.00

3.05

Time-->



#10

Heptane

Concen: 0.342 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033269.D

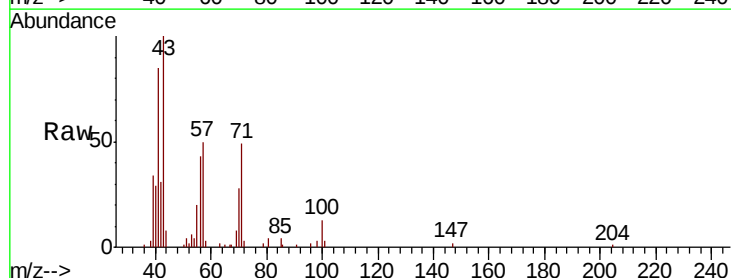
Acq: 8 Mar 2019 22:45

Tgt Ion: 43 Resp: 48242

Ion Ratio Lower Upper

43 100

57 54.6 40.0 60.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

25000

20000

15000

10000

5000

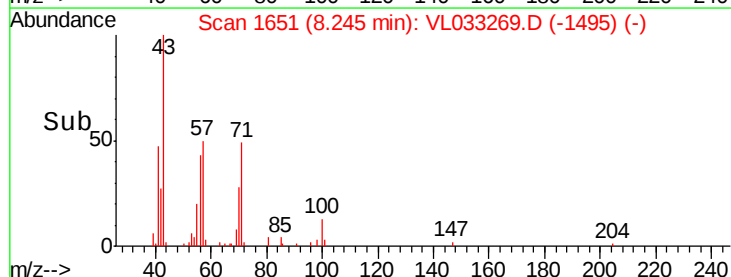
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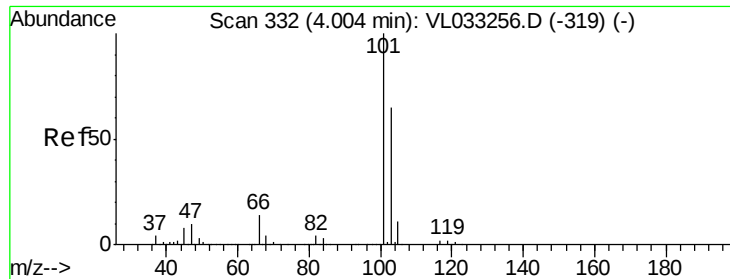
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8.25

8.30

Time-->

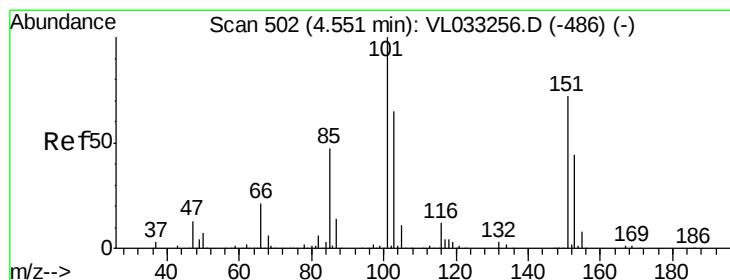
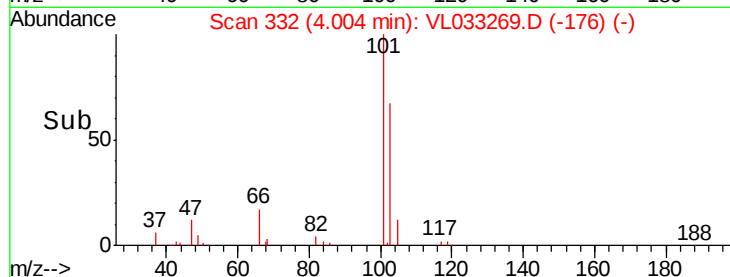
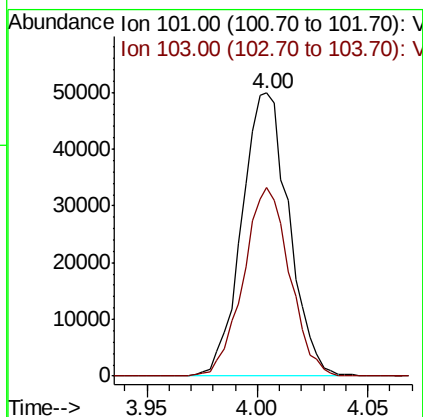
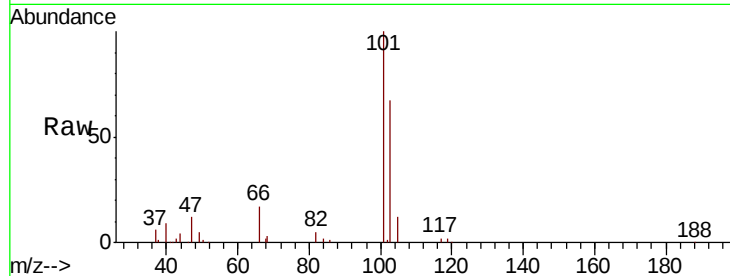




#11
 Trichlorofluoromethane
 Concen: 0.433 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

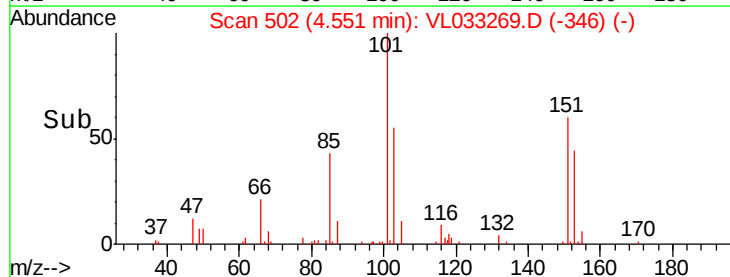
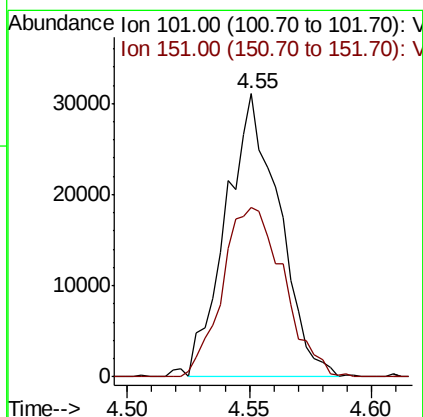
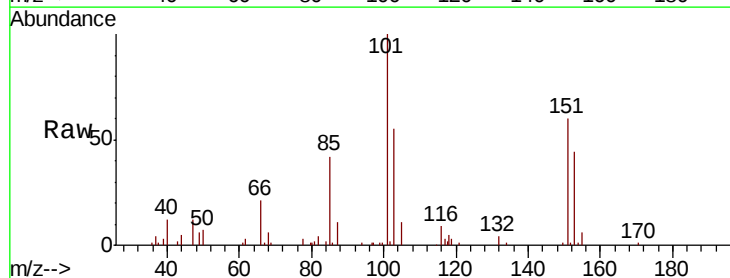
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

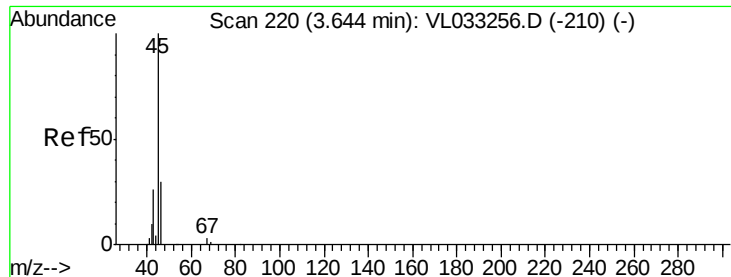
Tgt Ion:101 Resp: 73849
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.421 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:101 Resp: 47119
 Ion Ratio Lower Upper
 101 100
 151 68.8 57.2 85.8





#13

Ethanol

Concen: 0.593 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

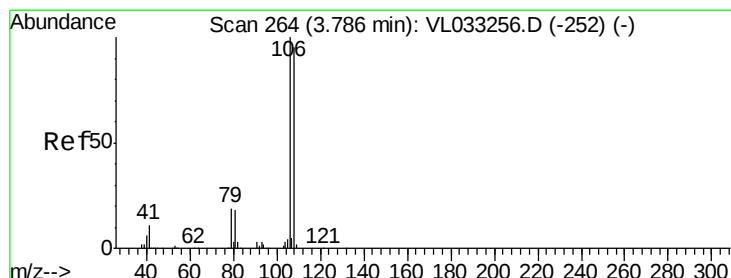
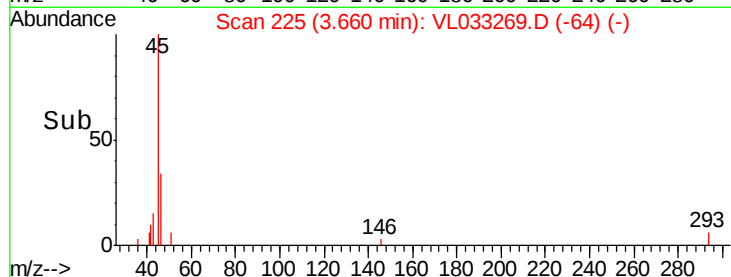
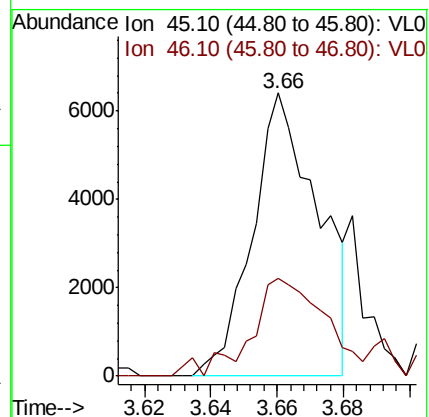
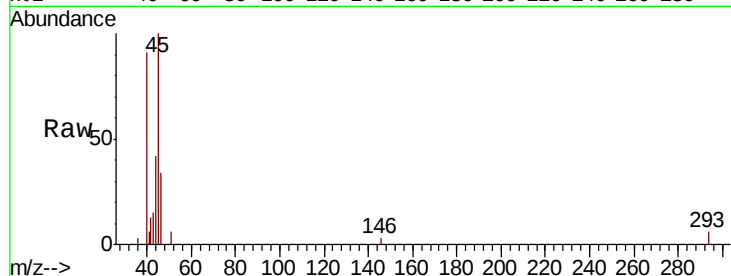
0.4 PPB MDL

Tgt Ion: 45 Resp: 8864

Ion Ratio Lower Upper

45 100

46 45.7 14.9 59.7



#14

Bromoethene

Concen: 0.423 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

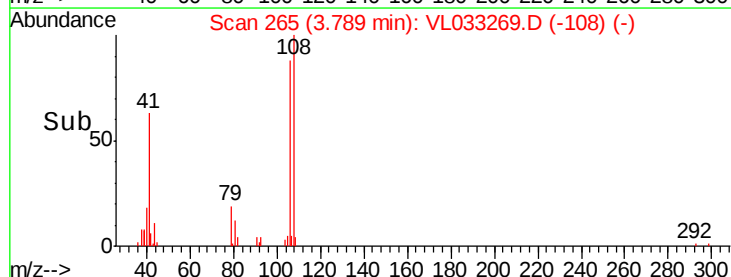
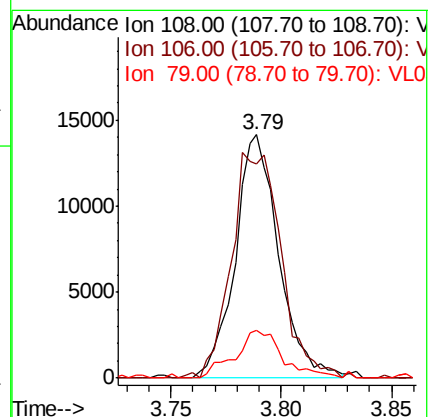
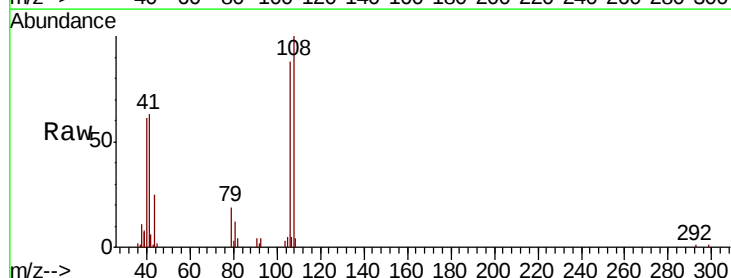
Tgt Ion: 108 Resp: 19460

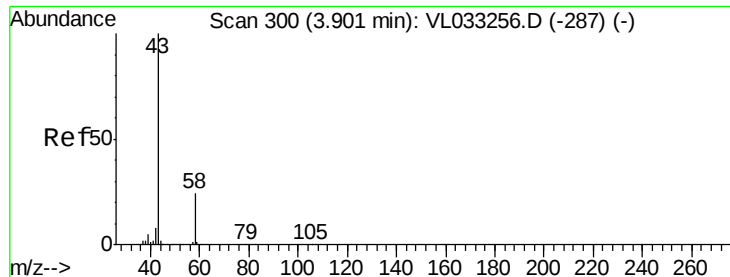
Ion Ratio Lower Upper

108 100

106 106.0 86.9 130.3

79 21.6 15.8 23.6





#15

Acetone

Concen: 0.498 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

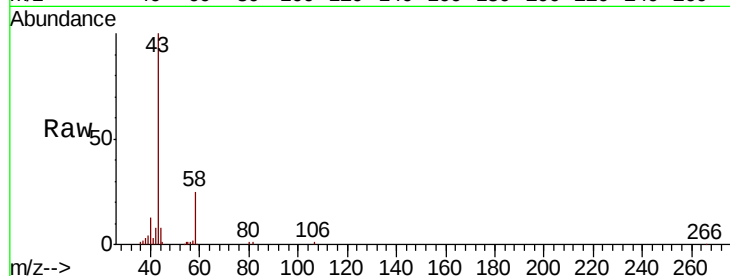
0.4 PPB MDL

Tgt Ion: 43 Resp: 60922

Ion Ratio Lower Upper

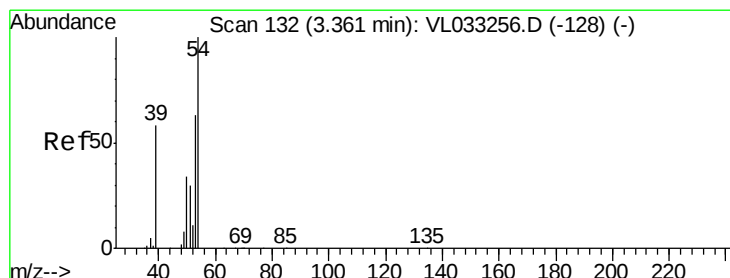
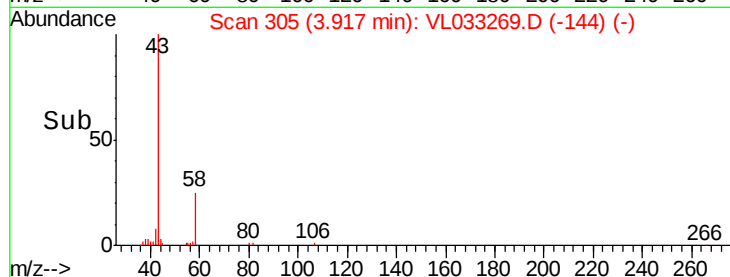
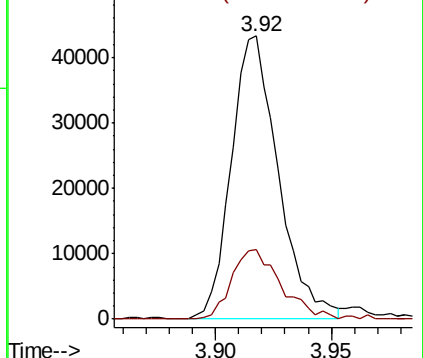
43 100

58 26.3 20.2 30.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.489 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033269.D

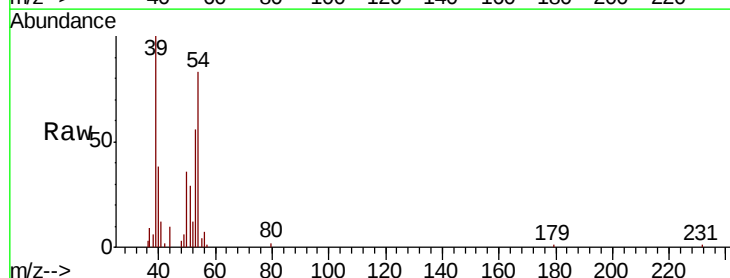
Acq: 8 Mar 2019 22:45

Tgt Ion: 39 Resp: 24839

Ion Ratio Lower Upper

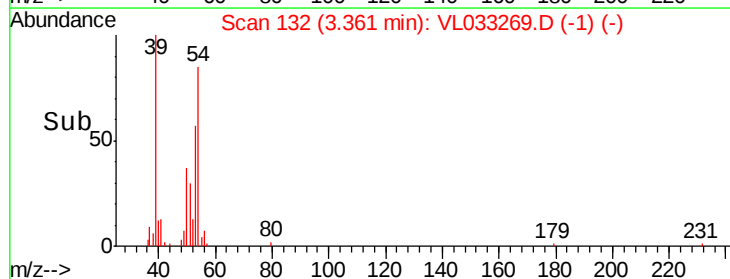
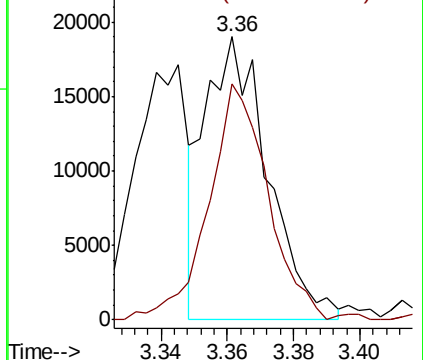
39 100

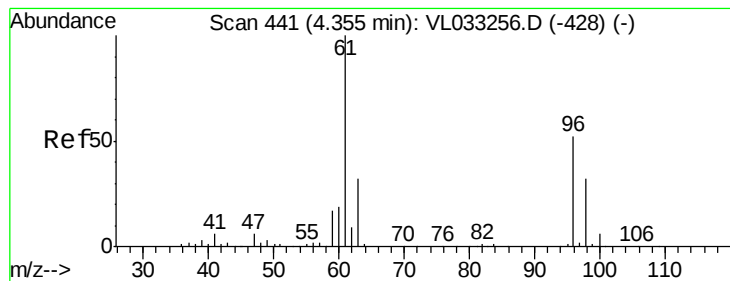
54 80.2 68.6 103.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.054 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

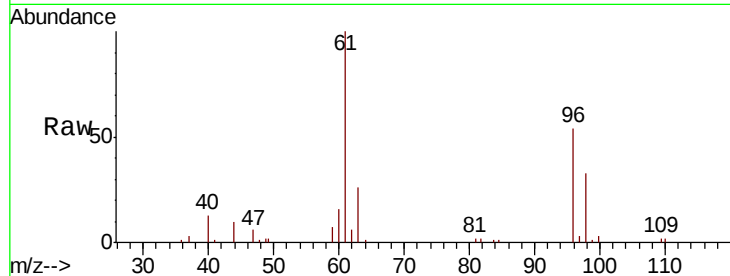
0.4 PPB MDL

Tgt Ion: 59 Resp: 1075

Ion Ratio Lower Upper

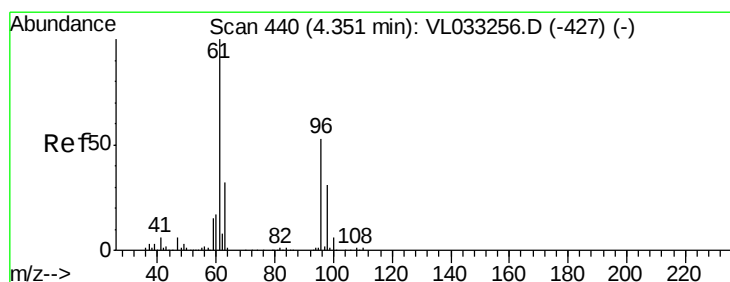
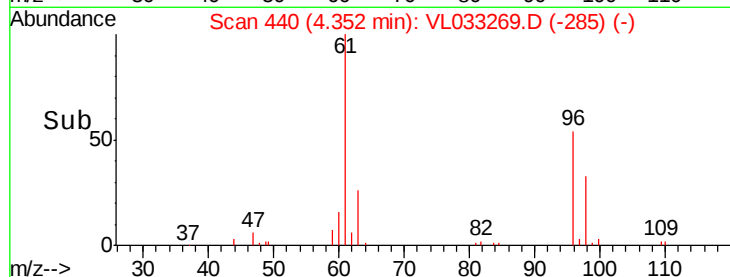
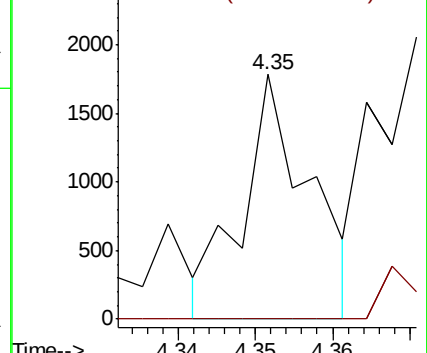
59 100

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: 0.430 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

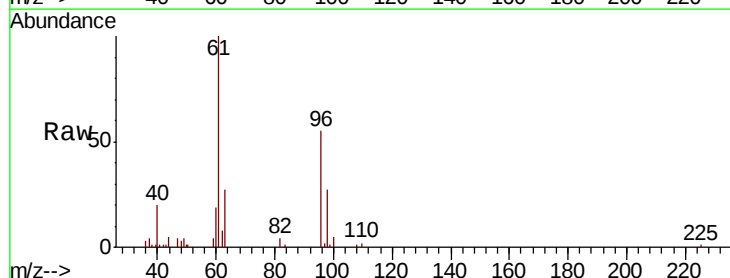
Tgt Ion: 96 Resp: 21072

Ion Ratio Lower Upper

96 100

61 181.5 150.6 226.0

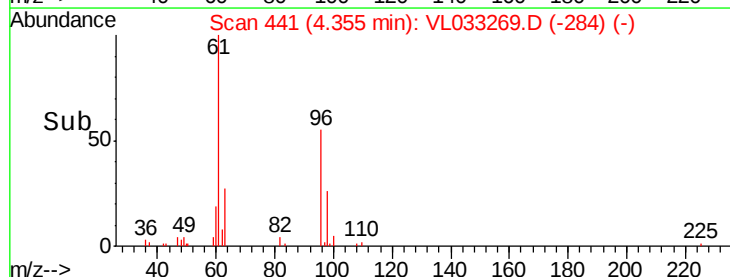
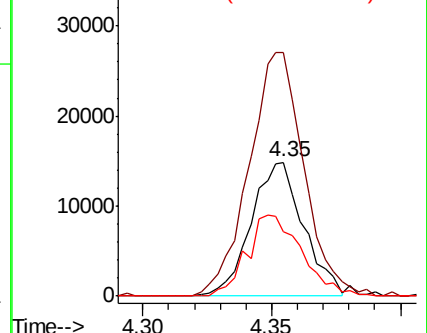
98 49.3 47.0 70.4

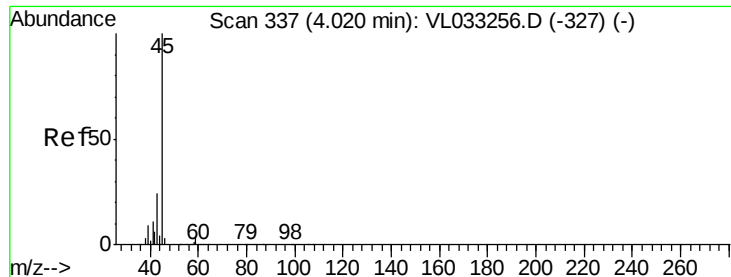


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.512 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

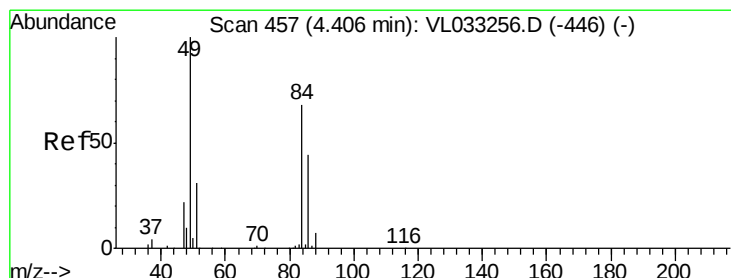
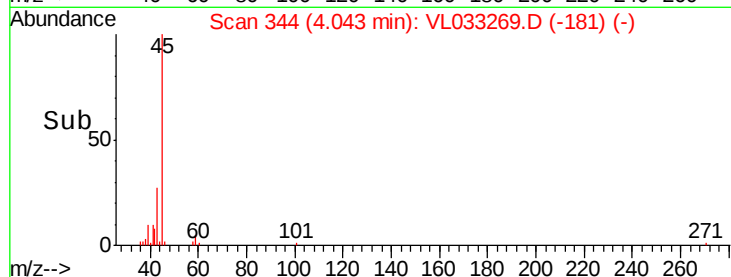
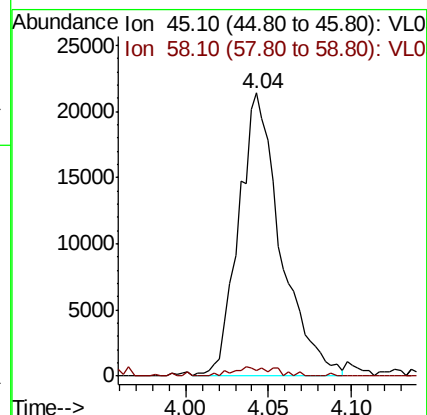
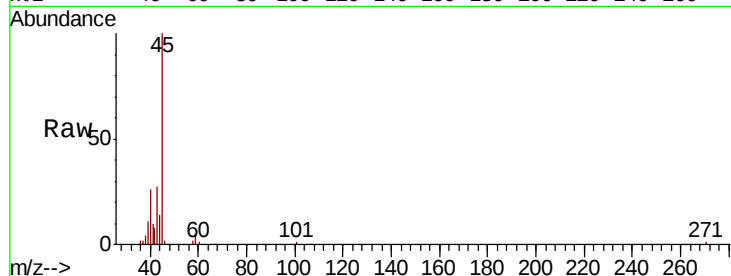
0.4 PPB MDL

Tgt Ion: 45 Resp: 37665

Ion Ratio Lower Upper

45 100

58 2.8 1.5 2.3#



#20

Methylene Chloride

Concen: 0.504 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Tgt Ion: 84 Resp: 25326

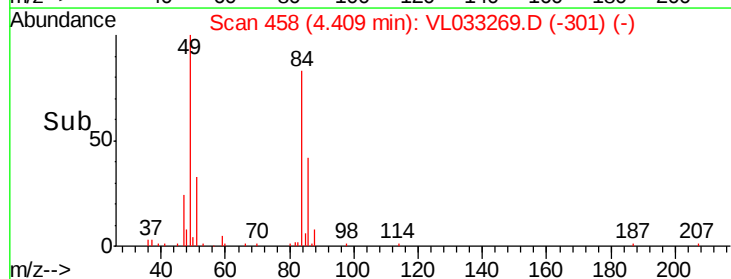
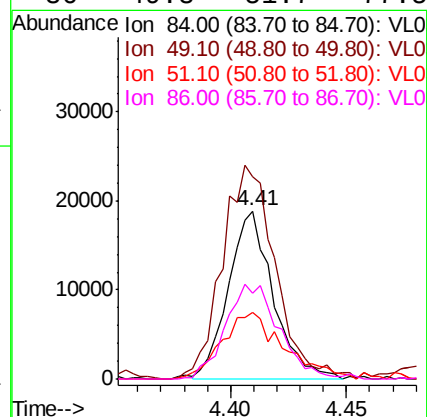
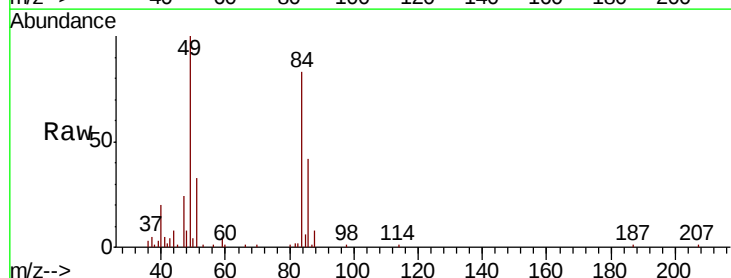
Ion Ratio Lower Upper

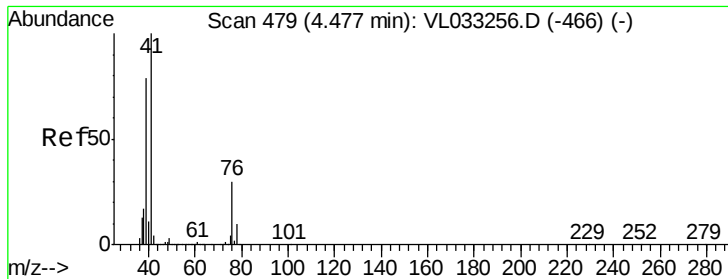
84 100

49 116.8 117.8 176.6#

51 36.5 36.9 55.3#

86 49.8 51.7 77.5#

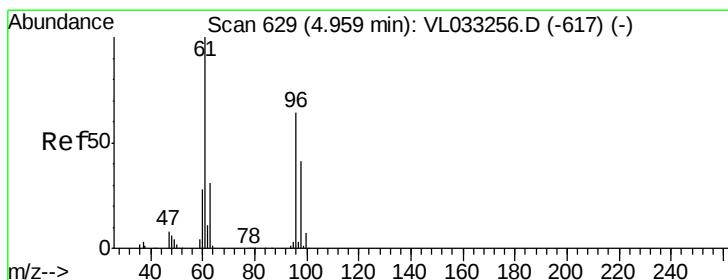
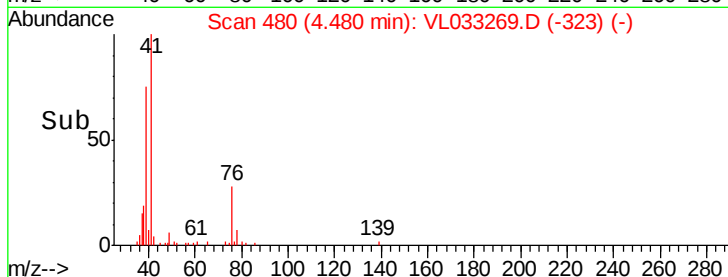
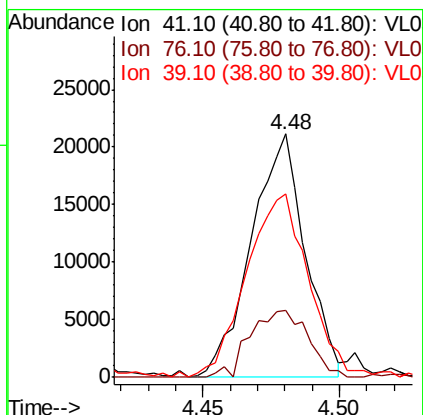
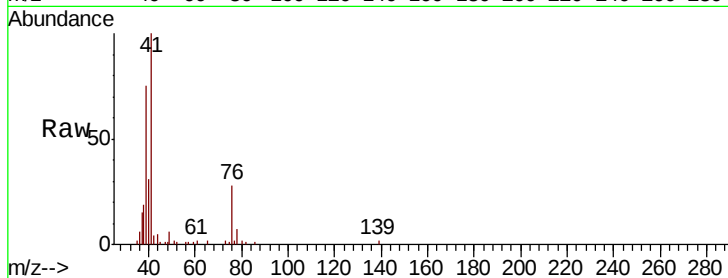




#21
 Allyl Chloride
 Concen: 0.395 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

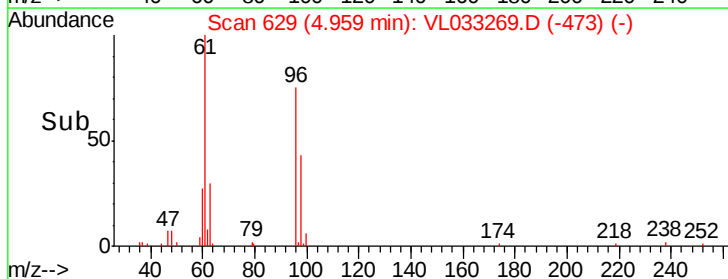
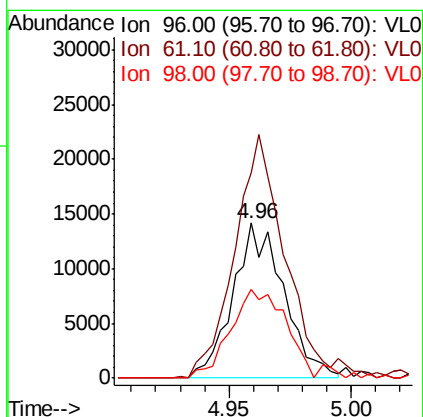
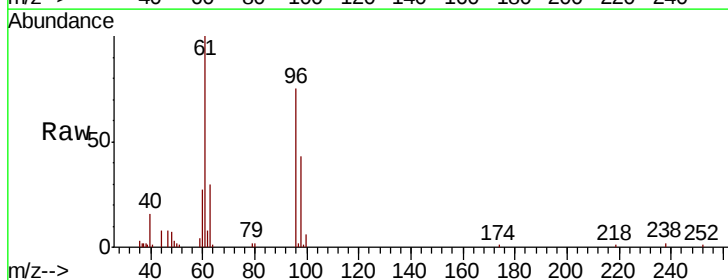
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

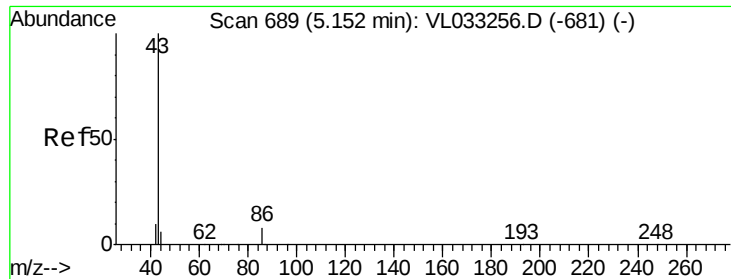
Tgt Ion: 41 Resp: 29052
 Ion Ratio Lower Upper
 41 100
 76 30.5 24.5 36.7
 39 88.8 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.407 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 96 Resp: 20460
 Ion Ratio Lower Upper
 96 100
 61 132.5 125.7 188.5
 98 57.5 52.1 78.1

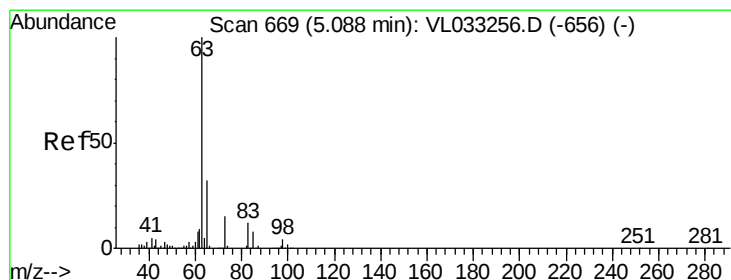
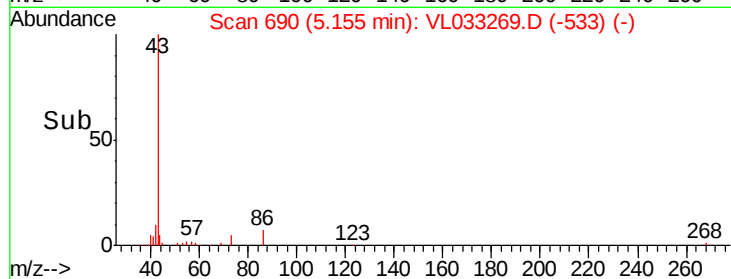
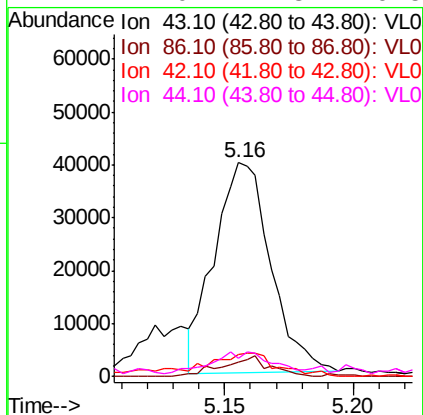
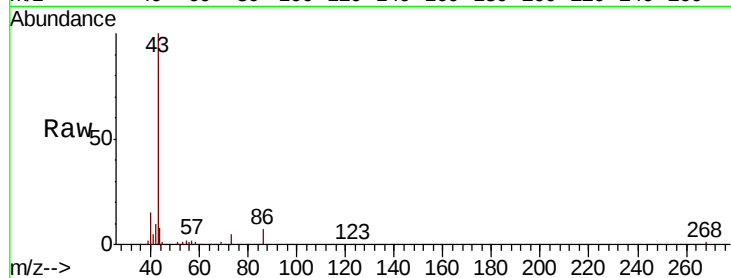




#23
 Vinyl Acetate
 Concen: 0.344 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

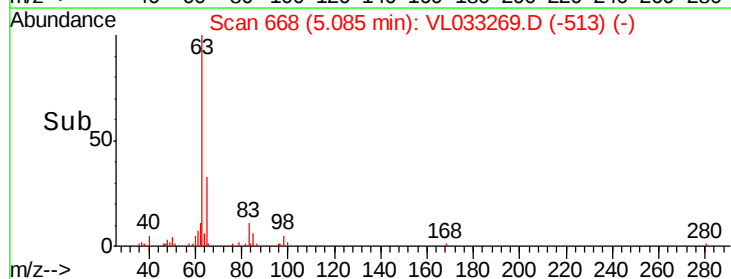
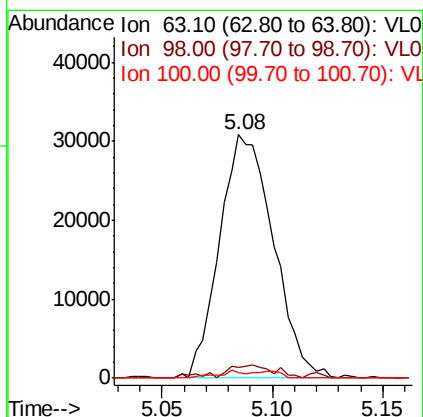
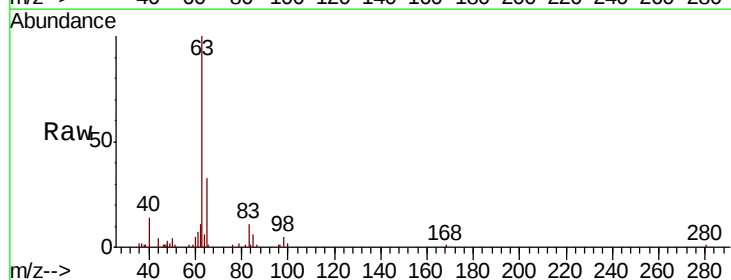
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

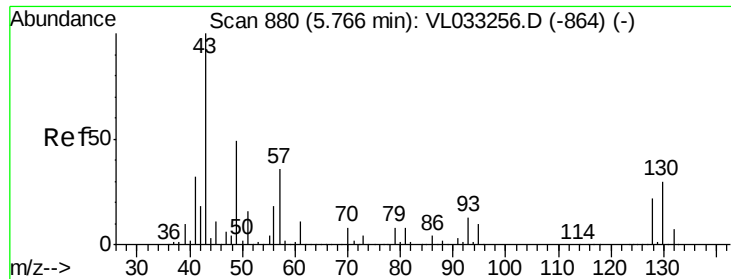
Tgt Ion:	43	Resp:	60337
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.6	8.4
42	10.3	8.1	12.1
44	7.0	4.3	6.5#



#24
 1,1-Dichloroethane
 Concen: 0.405 ppbv
 RT: 5.08 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:	63	Resp:	52111
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.2	1.3	3.8

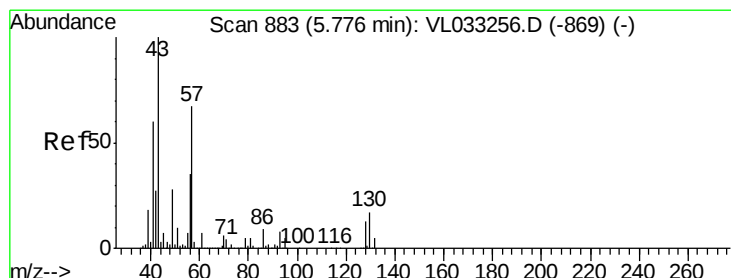
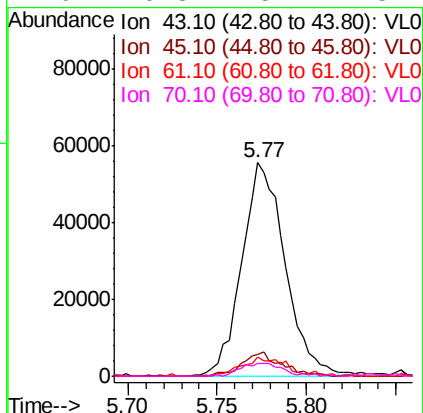
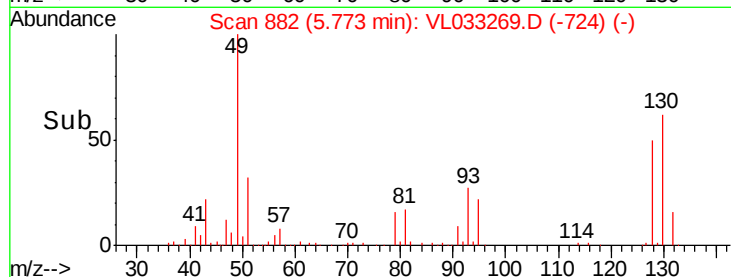
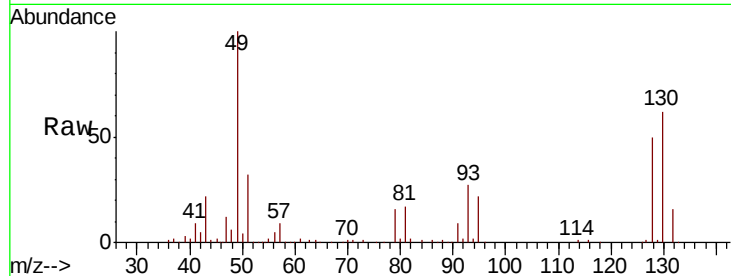




#25
Ethyl Acetate
Concen: 0.402 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

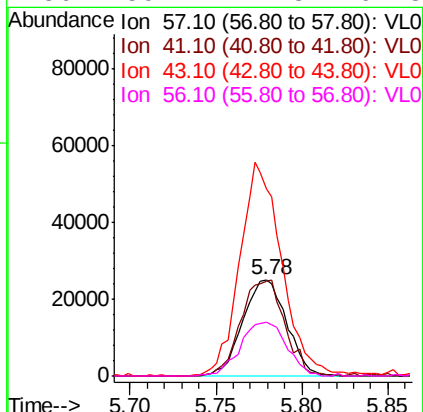
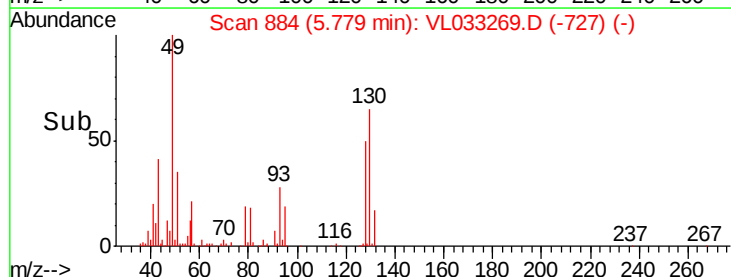
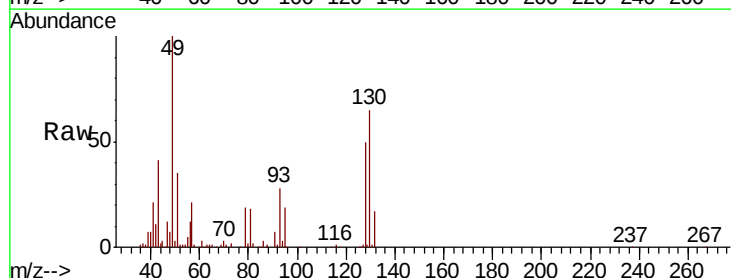
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

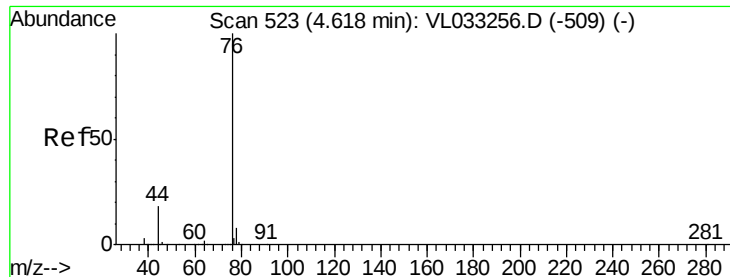
Tgt Ion:	43	Resp:	93923
Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.8	11.8
61	9.6	7.4	11.0
70	6.3	5.4	8.2



#26
Hexane
Concen: 0.403 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion:	57	Resp:	44427
Ion	Ratio	Lower	Upper
57	100		
41	99.8	72.2	108.4
43	214.2	179.0	268.4
56	59.1	41.8	62.8





#27

Carbon Disulfide

Concen: 0.355 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

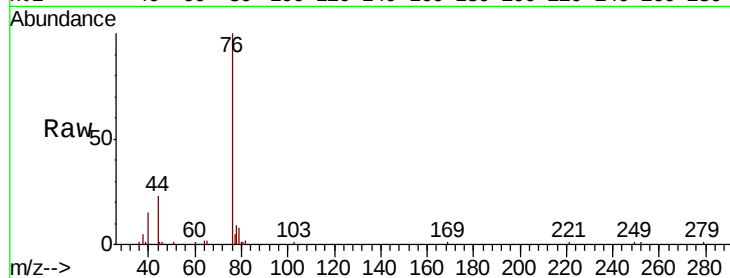
Tgt Ion: 76 Resp: 39563

Ion Ratio Lower Upper

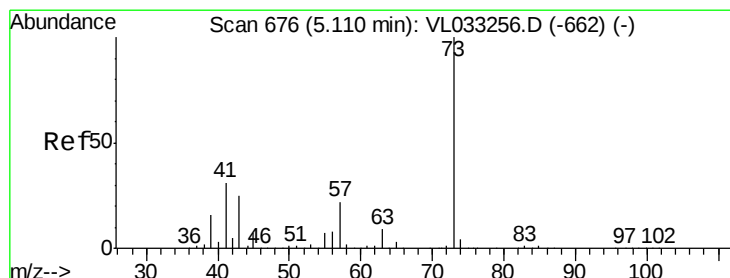
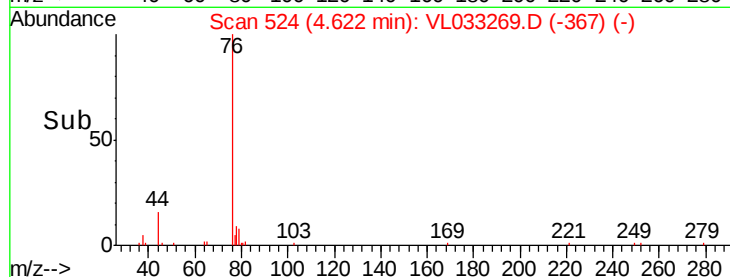
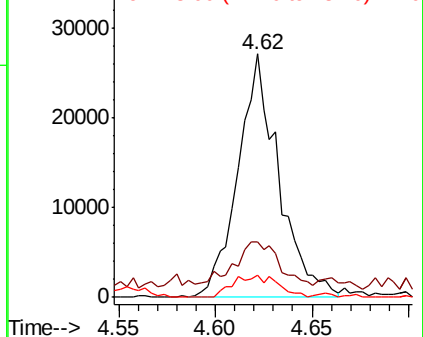
76 100

44 34.8 14.8 22.2#

78 10.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.363 ppbv

RT: 5.13 min Scan# 681

Delta R.T. 0.02 min

Lab File: VL033269.D

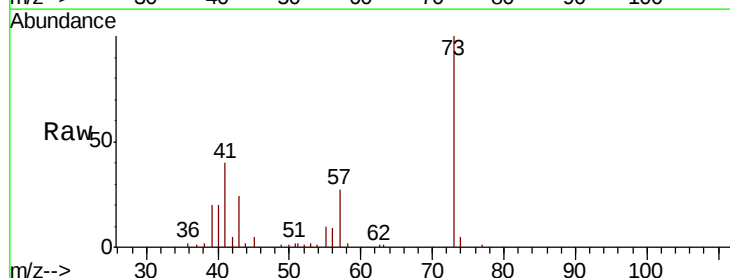
Acq: 8 Mar 2019 22:45

Tgt Ion: 73 Resp: 51439

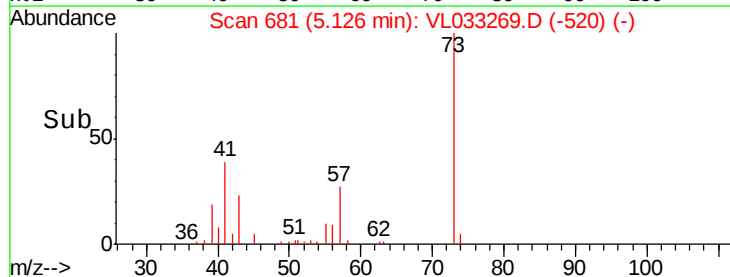
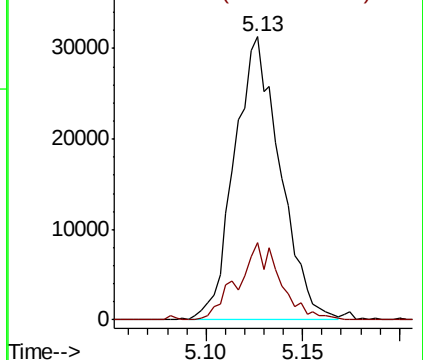
Ion Ratio Lower Upper

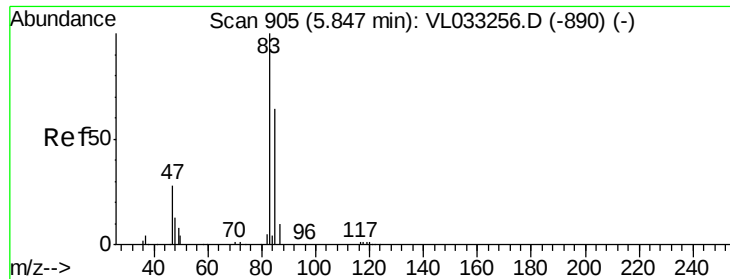
73 100

57 25.7 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

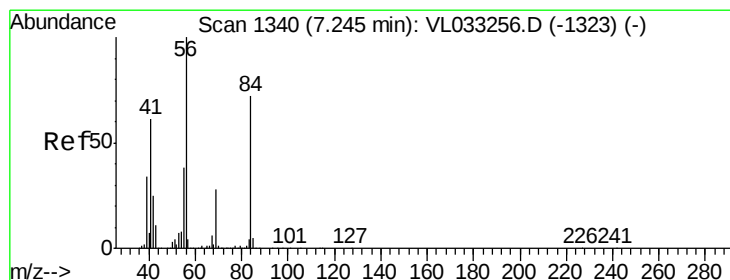
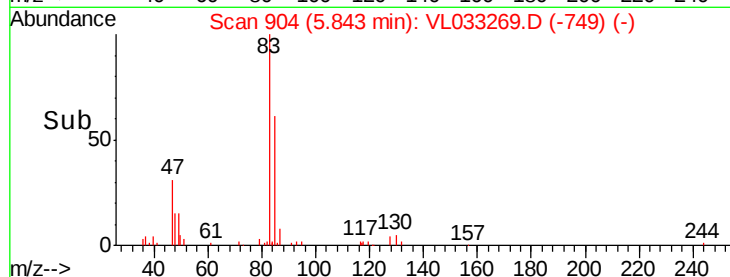
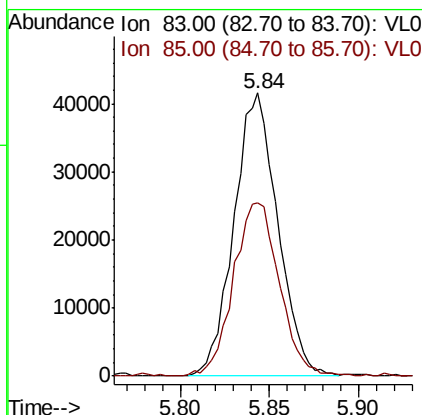
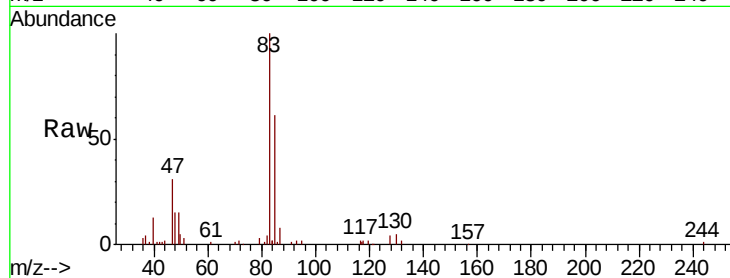




#29
Chloroform
Concen: 0.422 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

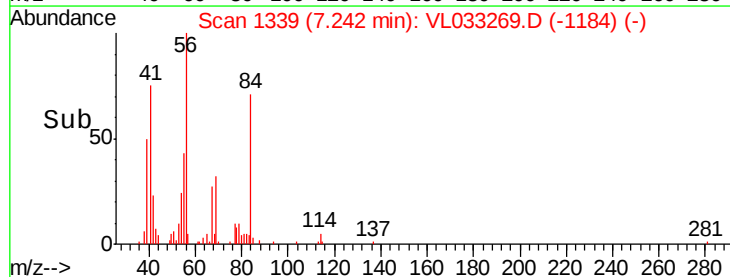
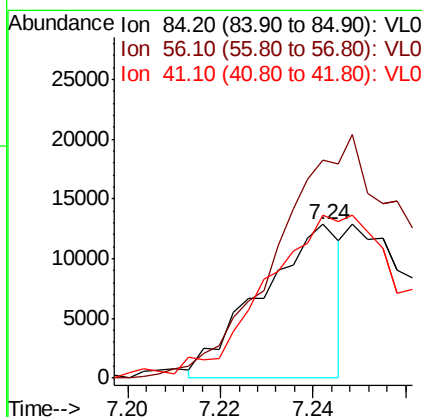
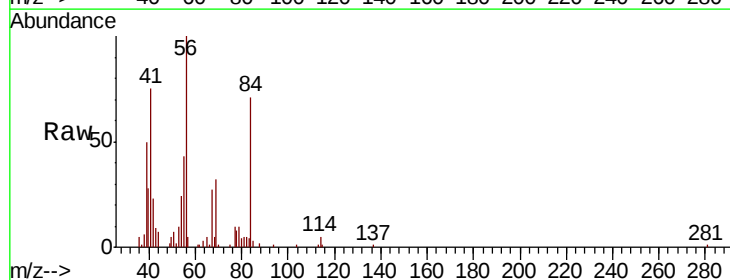
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

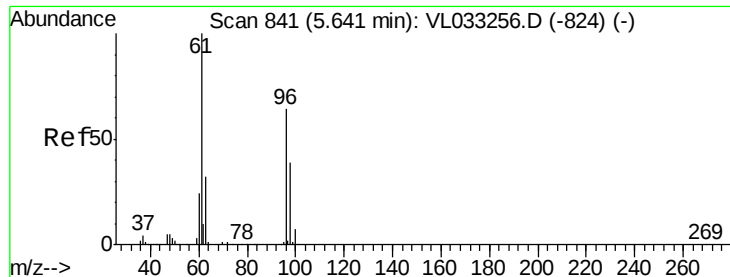
Tgt Ion: 83 Resp: 71001
Ion Ratio Lower Upper
83 100
85 60.8 51.0 76.6



#30
Cyclohexane
Concen: 0.177 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion: 84 Resp: 15117
Ion Ratio Lower Upper
84 100
56 0.0 113.4 170.2#
41 189.9 70.2 105.4#





#31

cis-1,2-Dichloroethene

Concen: 0.350 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

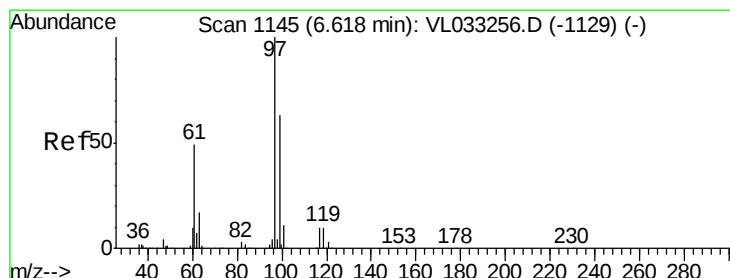
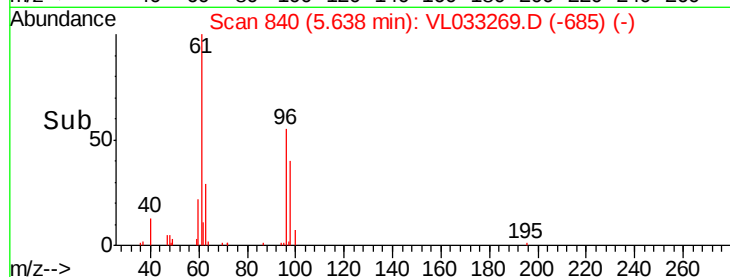
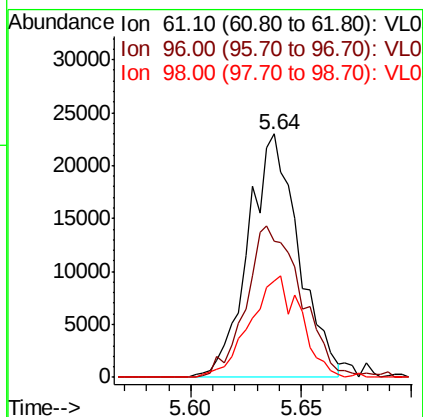
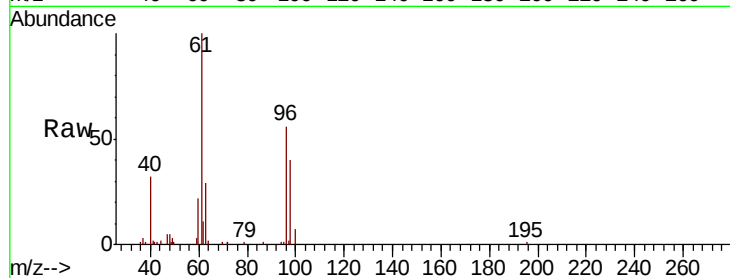
Tgt Ion: 61 Resp: 36505

Ion Ratio Lower Upper

61 100

96 56.0 51.2 76.8

98 39.5 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 0.380 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

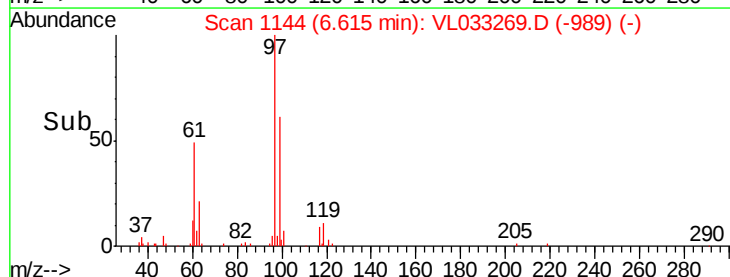
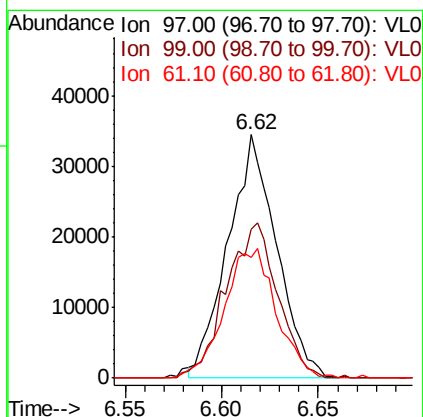
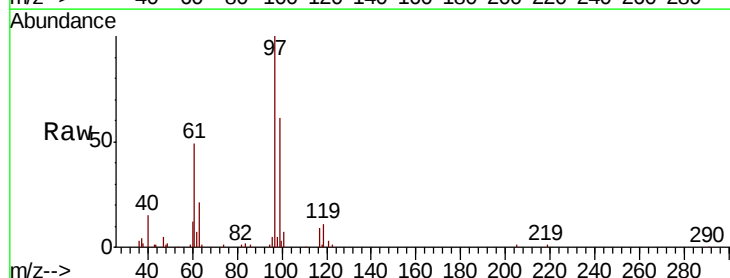
Tgt Ion: 97 Resp: 60319

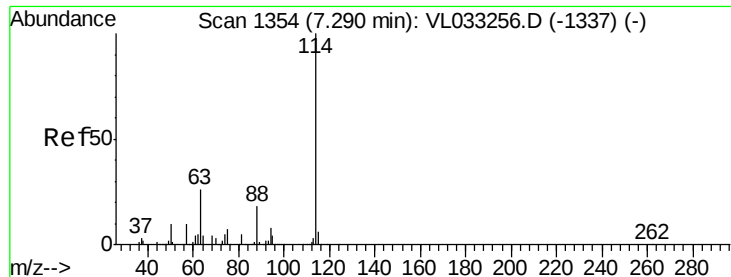
Ion Ratio Lower Upper

97 100

99 67.4 51.6 77.4

61 57.1 40.8 61.2

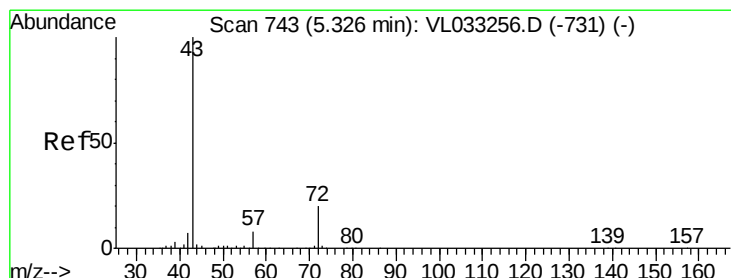
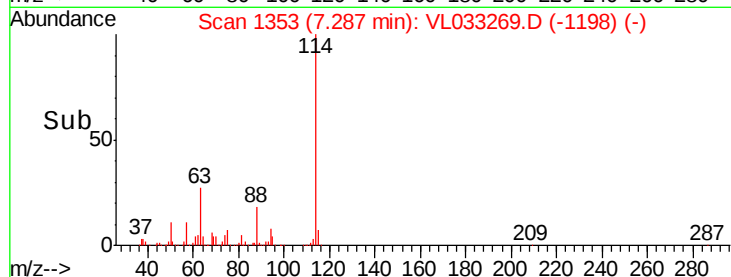
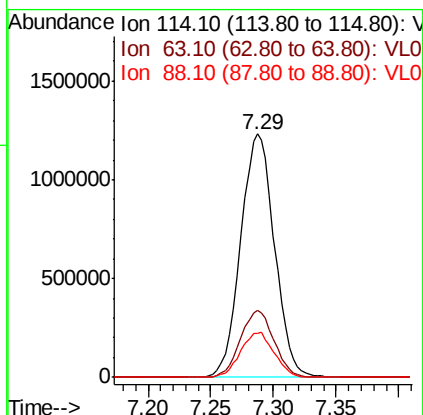
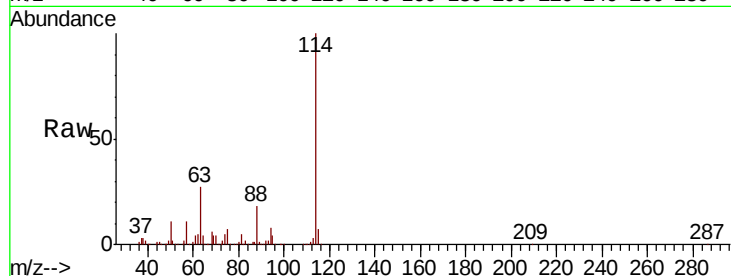




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

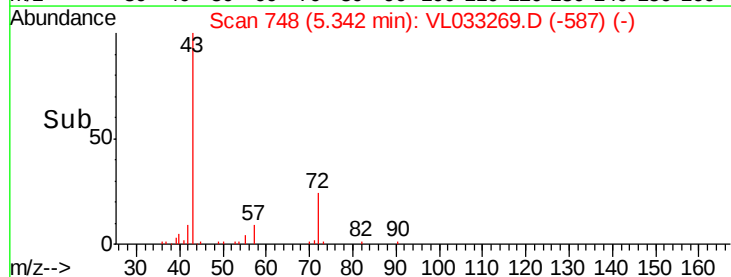
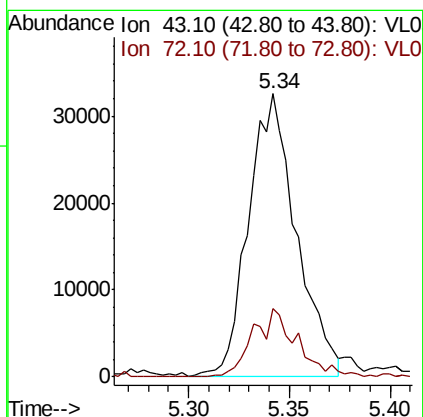
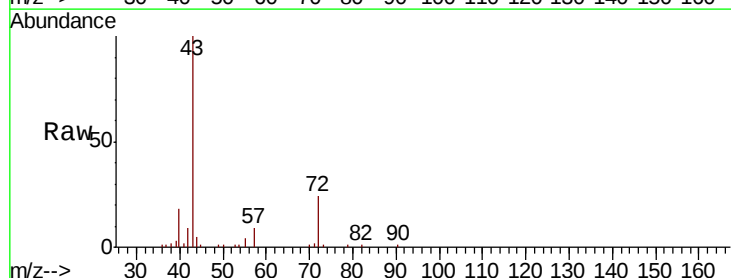
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

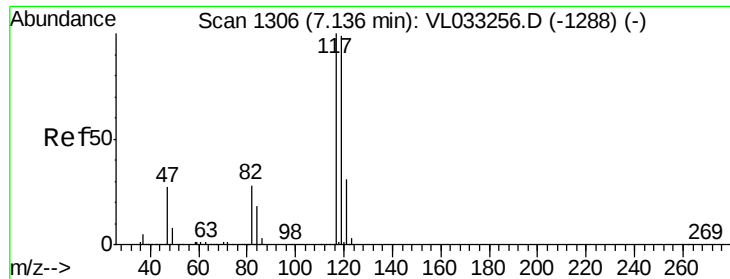
Tgt Ion:114 Resp: 2305816
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.2
 88 18.4 14.6 22.0



#34
 2-Butanone
 Concen: 0.387 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.02 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 43 Resp: 53993
 Ion Ratio Lower Upper
 43 100
 72 22.4 16.9 25.3

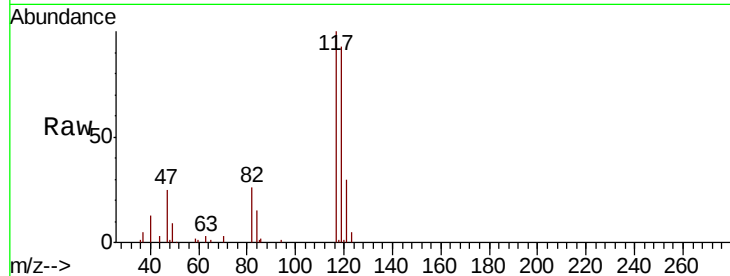




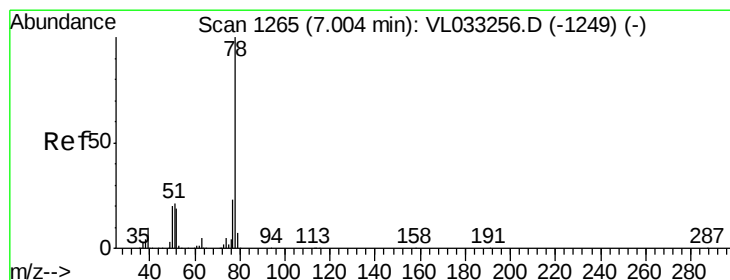
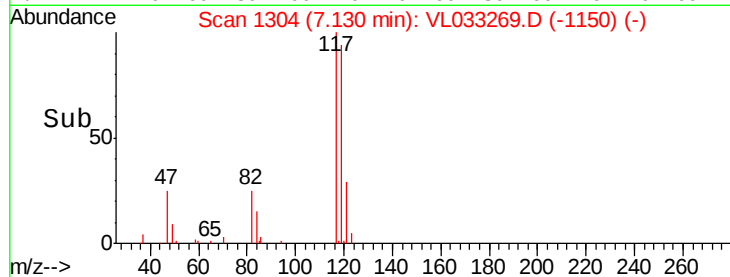
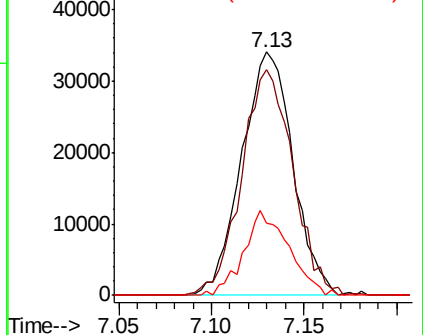
#35
Carbon Tetrachloride
Concen: 0.421 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:117 Resp: 65858
Ion Ratio Lower Upper
117 100
119 91.0 79.0 118.6
121 29.4 24.7 37.1

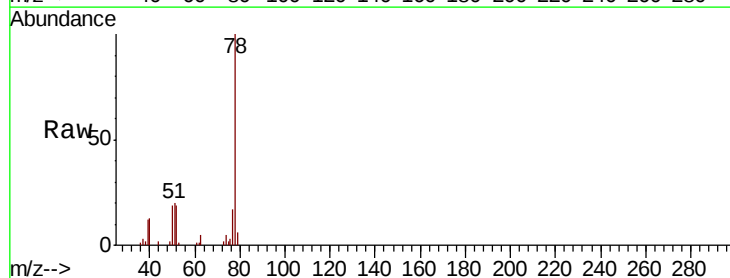


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

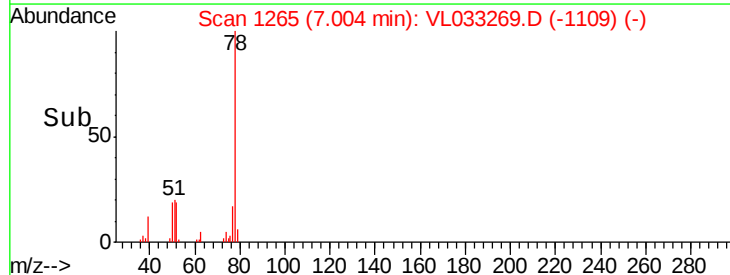
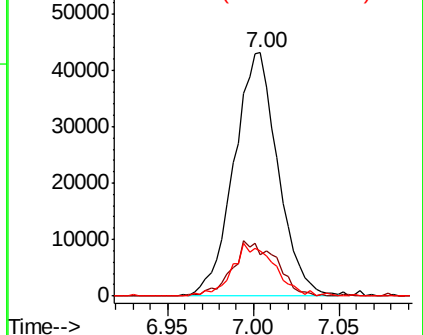


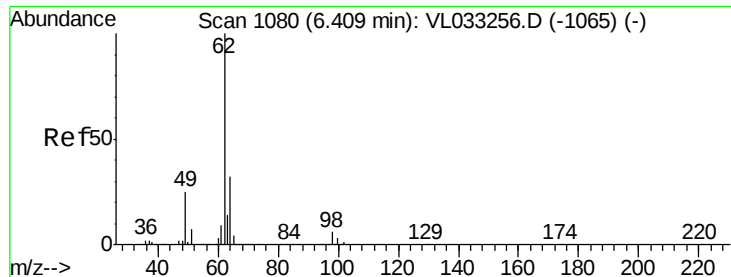
#36
Benzene
Concen: 0.384 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion: 78 Resp: 76243
Ion Ratio Lower Upper
78 100
77 16.3 18.2 27.2#
50 18.8 16.2 24.2



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

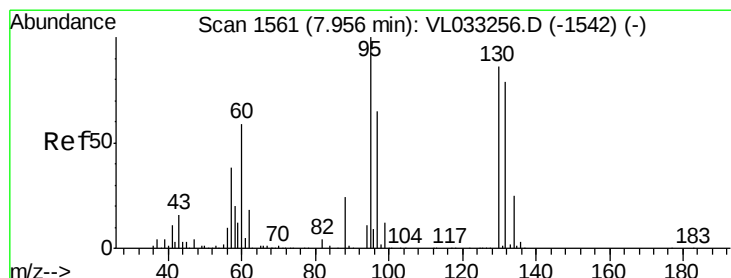
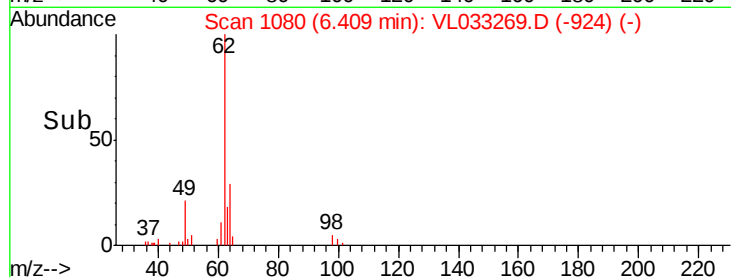
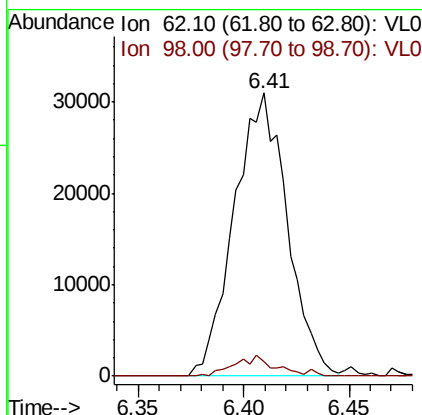
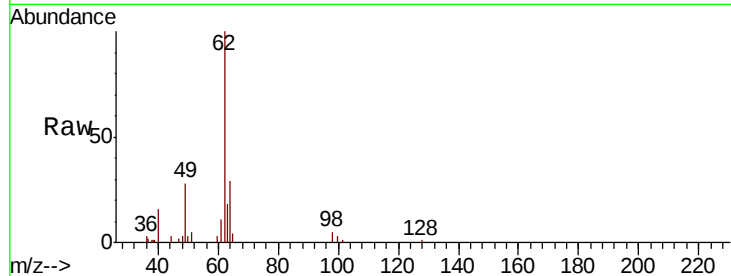




#37
 1,2-Dichloroethane
 Concen: 0.423 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

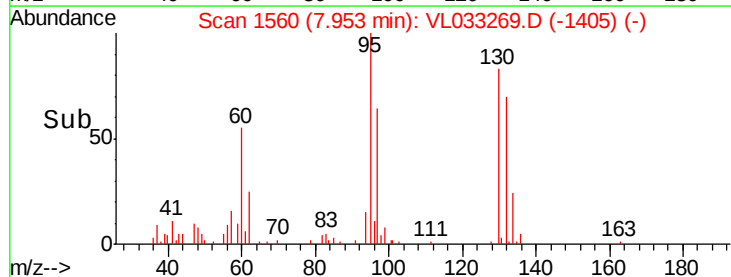
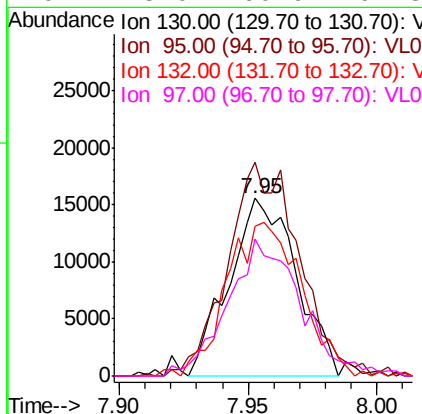
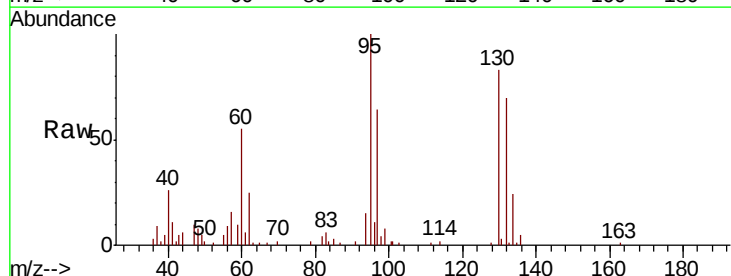
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

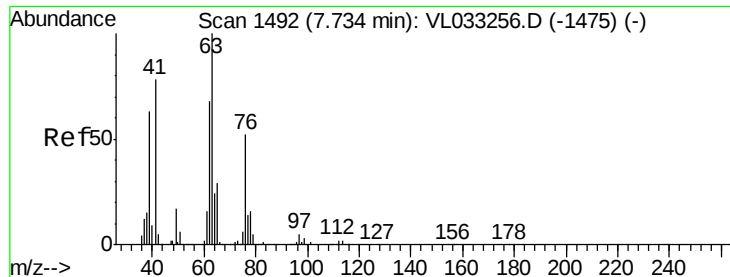
Tgt Ion: 62 Resp: 54077
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 0.368 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 130 Resp: 28319
 Ion Ratio Lower Upper
 130 100
 95 105.4 93.4 140.0
 132 74.3 74.0 111.0
 97 73.0 60.9 91.3

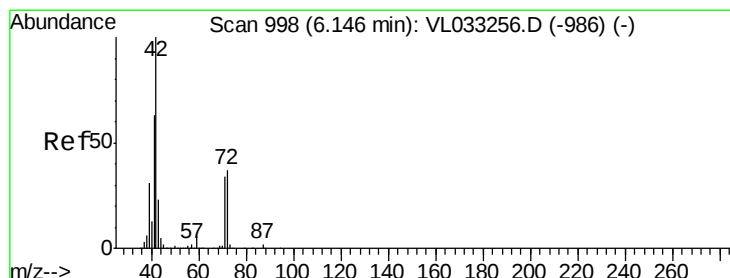
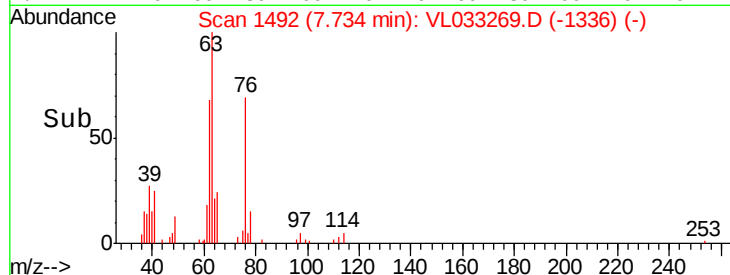
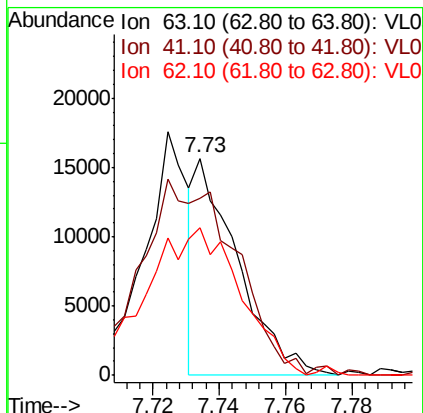
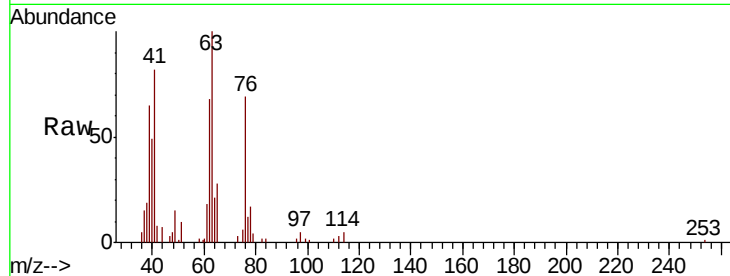




#39
 1,2-Dichloropropane
 Concen: 0.180 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

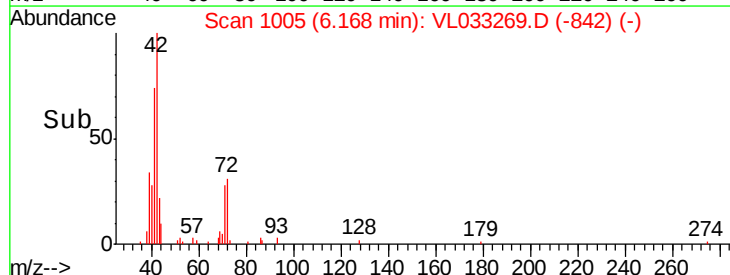
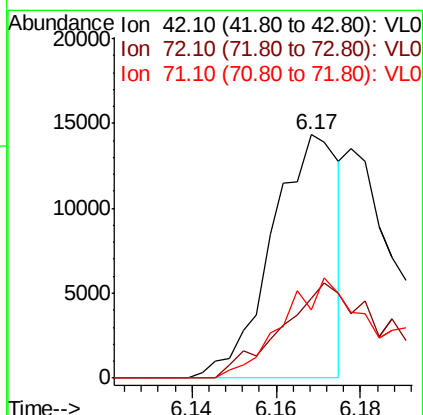
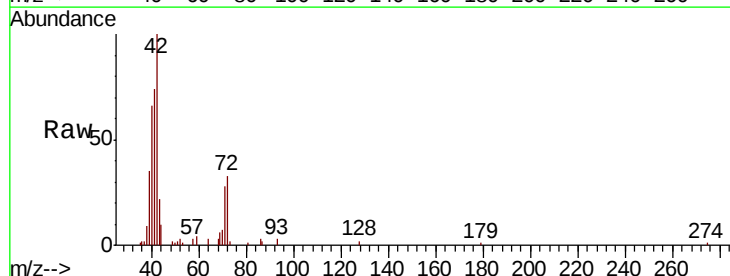
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

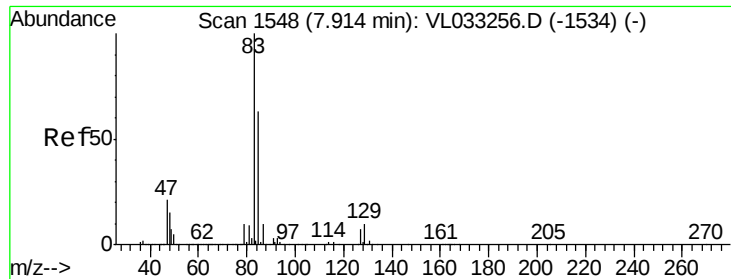
Tgt Ion: 63 Resp: 13996
 Ion Ratio Lower Upper
 63 100
 41 81.5 62.6 94.0
 62 67.0 54.6 81.8



#41
 Tetrahydrofuran
 Concen: 0.200 ppbv
 RT: 6.17 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 42 Resp: 15736
 Ion Ratio Lower Upper
 42 100
 72 65.2 30.2 45.2#
 71 64.9 29.0 43.6#





#42

Bromodichloromethane

Concen: 0.388 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

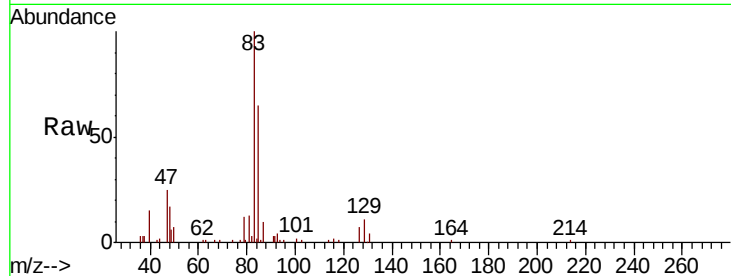
Tgt Ion: 83 Resp: 67543

Ion Ratio Lower Upper

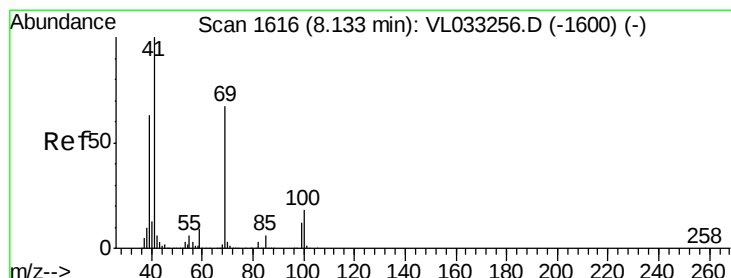
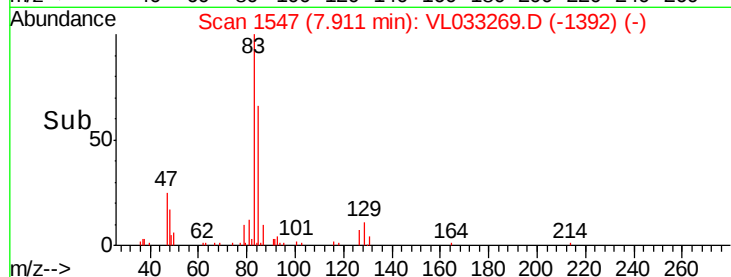
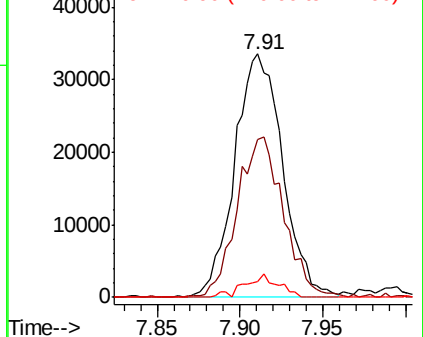
83 100

85 64.1 50.1 75.1

127 6.6 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: 0.337 ppbv

RT: 8.14 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

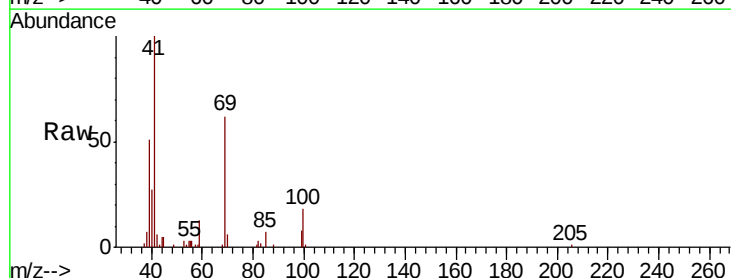
Tgt Ion: 69 Resp: 26907

Ion Ratio Lower Upper

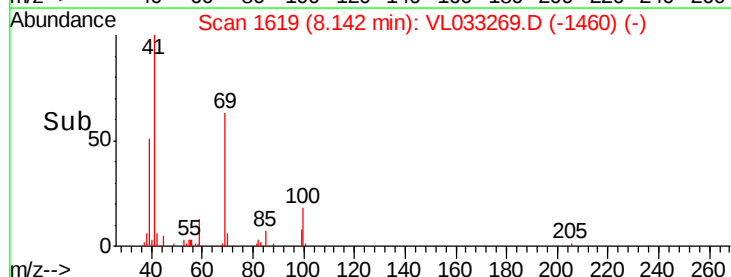
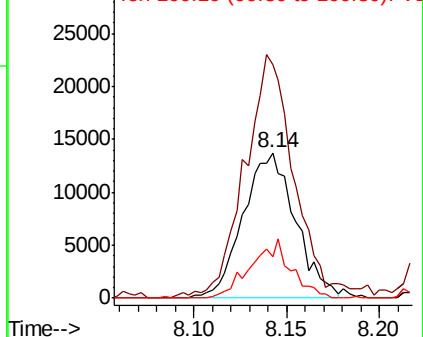
69 100

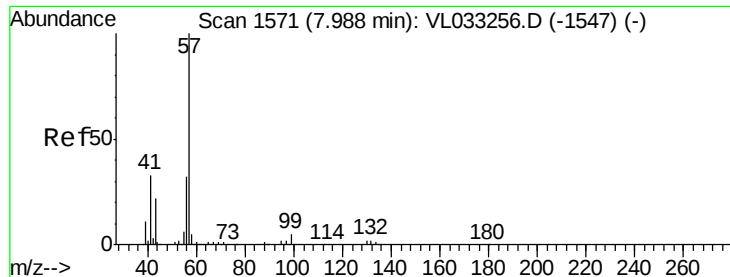
41 160.0 120.3 180.5

100 31.0 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

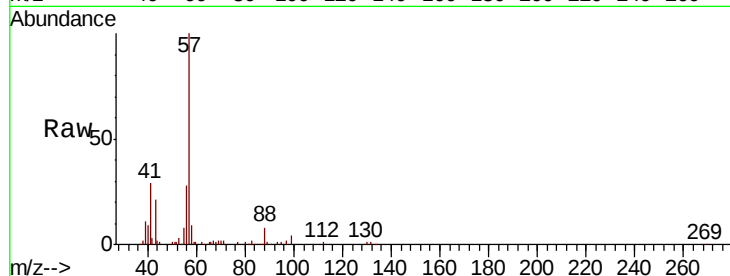




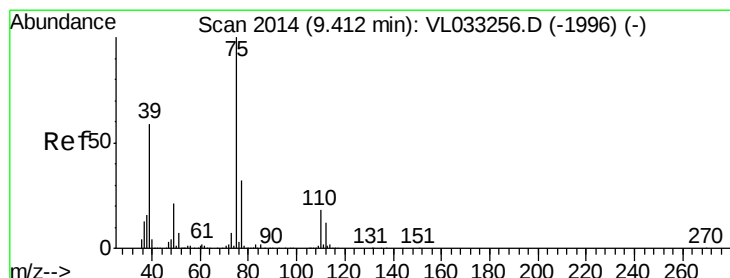
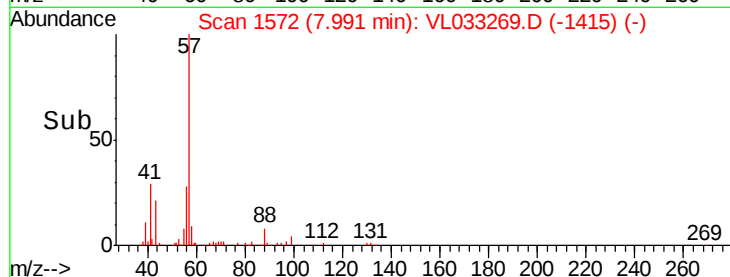
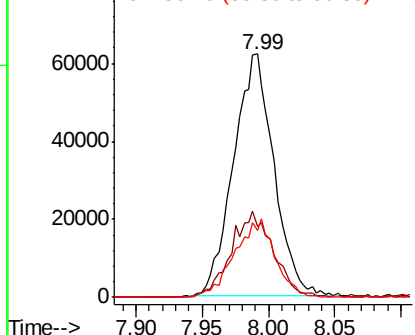
#44
 2,2,4-Trimethylpentane
 Concen: 0.372 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion: 57 Resp: 131400
 Ion Ratio Lower Upper
 57 100
 41 37.0 26.4 39.6
 56 32.2 25.1 37.7

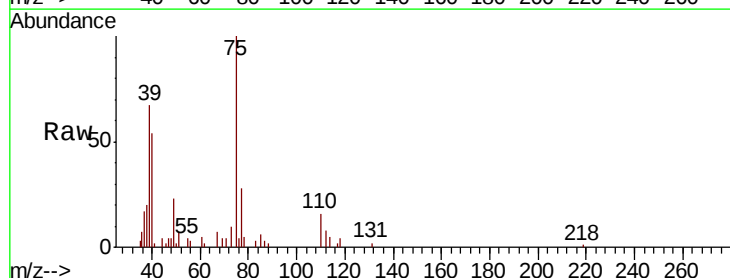


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

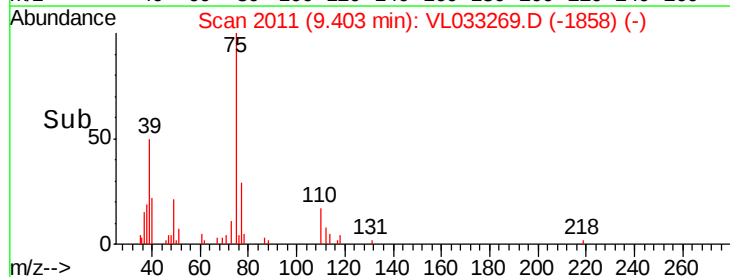
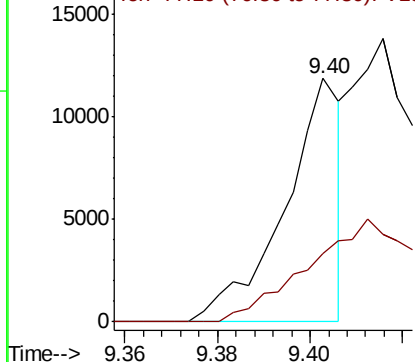


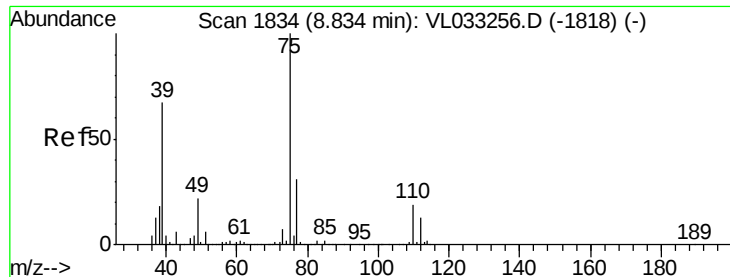
#45
 t-1,3-Dichloropropene
 Concen: 0.103 ppbv
 RT: 9.40 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 75 Resp: 9994
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

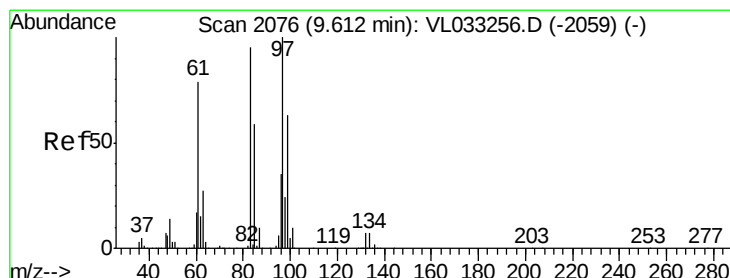
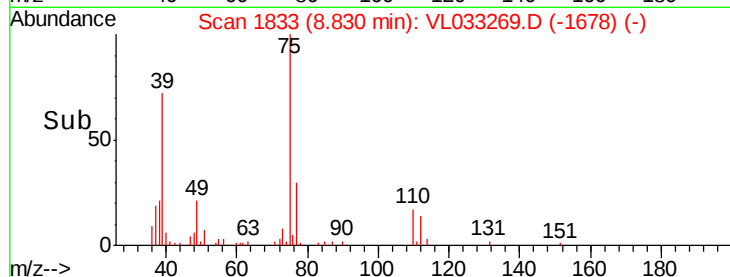
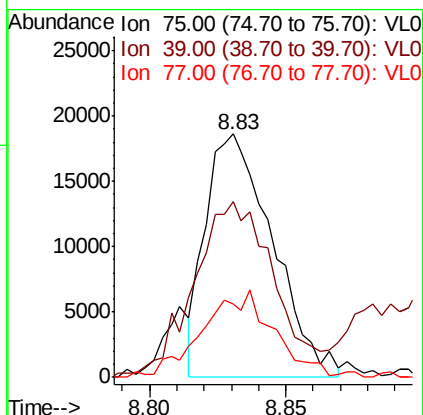
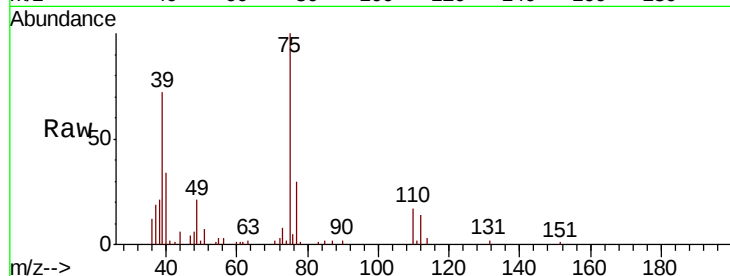




#46
 cis-1,3-Dichloropropene
 Concen: 0.280 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

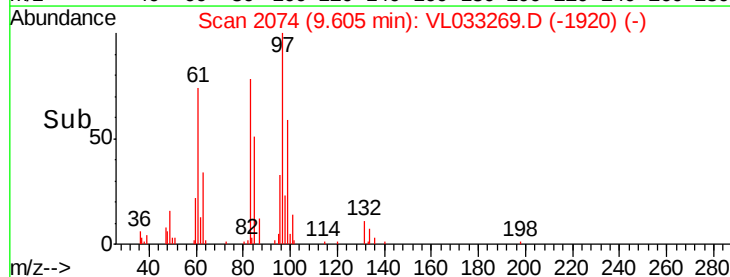
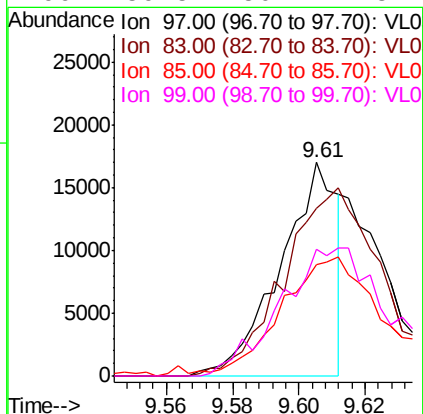
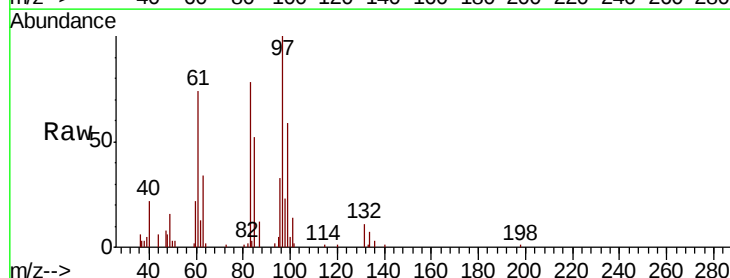
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

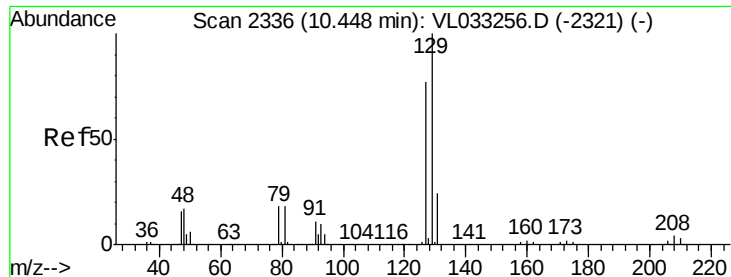
Tgt Ion: 75 Resp: 31834
 Ion Ratio Lower Upper
 75 100
 39 60.0 53.8 80.6
 77 30.0 25.0 37.6



#47
 1,1,2-Trichloroethane
 Concen: 0.241 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 97 Resp: 20188
 Ion Ratio Lower Upper
 97 100
 83 78.4 75.8 113.8
 85 51.0 47.5 71.3
 99 59.5 50.2 75.2

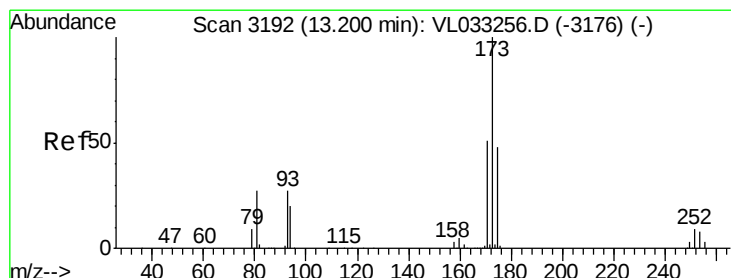
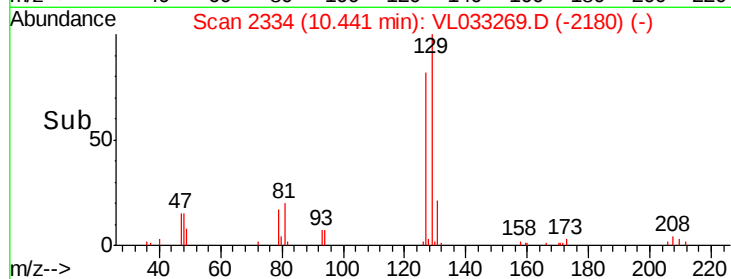
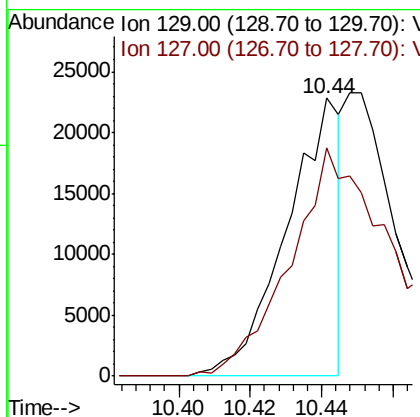
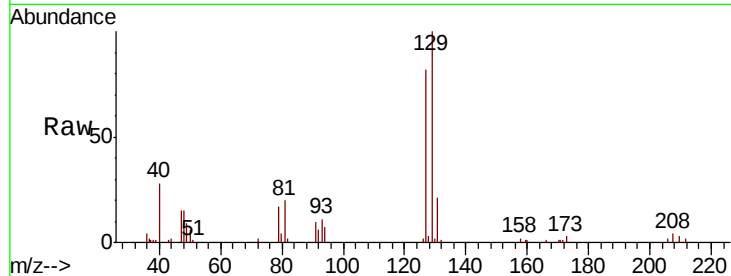




#48
 Dibromochloromethane
 Concen: 0.175 ppbv
 RT: 10.44 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

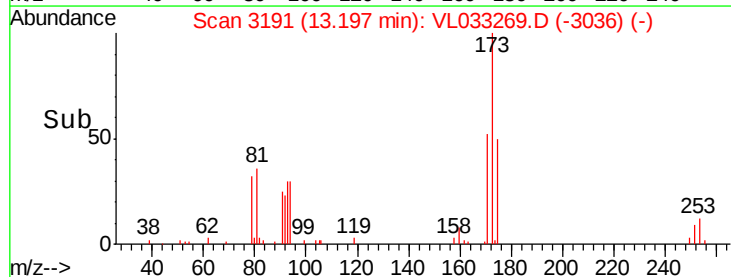
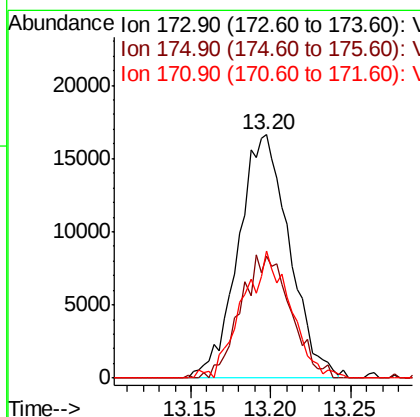
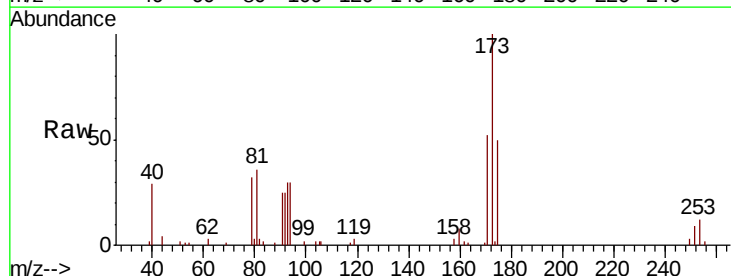
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

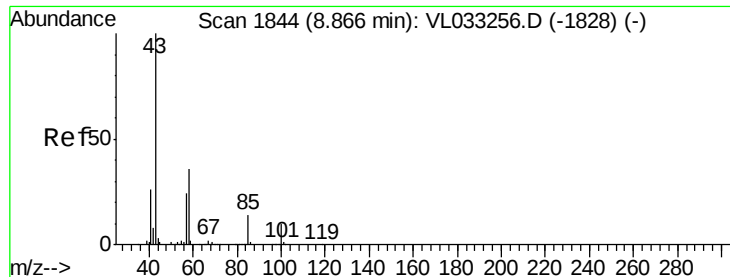
Tgt Ion:129 Resp: 23947
 Ion Ratio Lower Upper
 129 100
 127 151.9 39.4 118.2#



#49
 Bromoform
 Concen: 0.298 ppbv
 RT: 13.20 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:173 Resp: 36416
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.8 58.2
 171 49.2 41.5 62.3

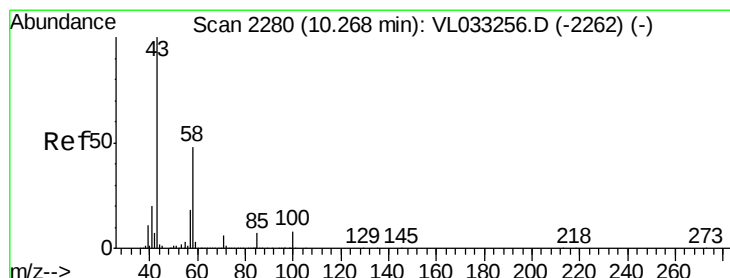
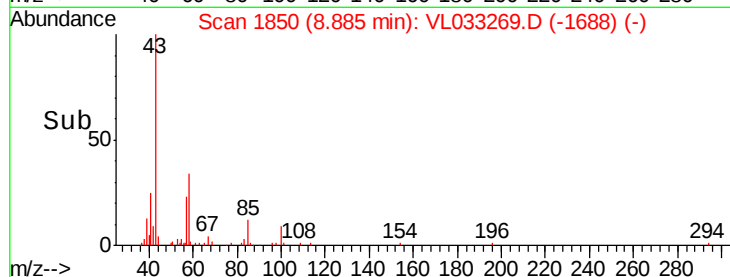
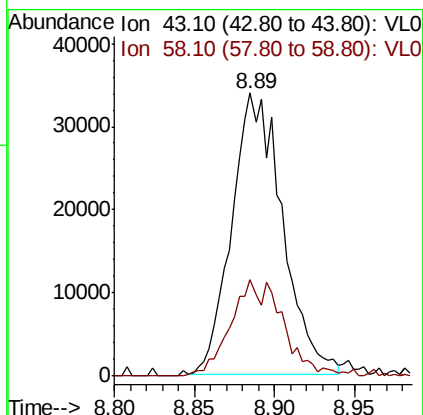
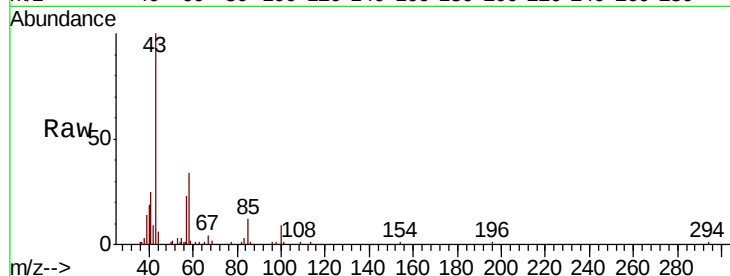




#50
 4-Methyl-2-Pentanone
 Concen: 0.349 ppbv
 RT: 8.89 min Scan# 1850
 Delta R.T. 0.02 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

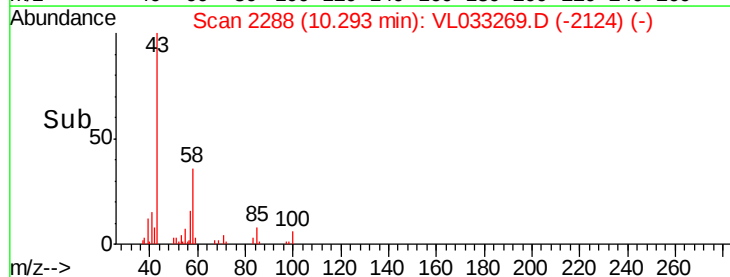
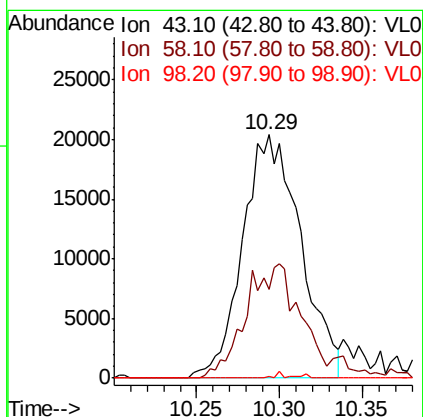
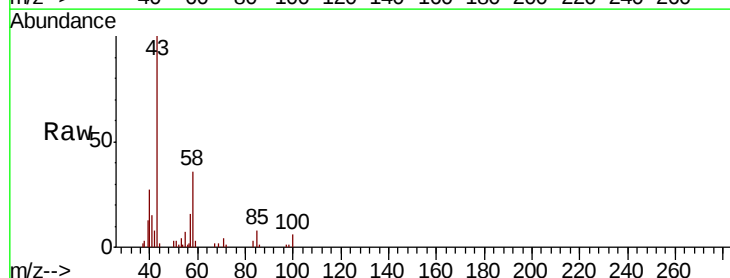
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

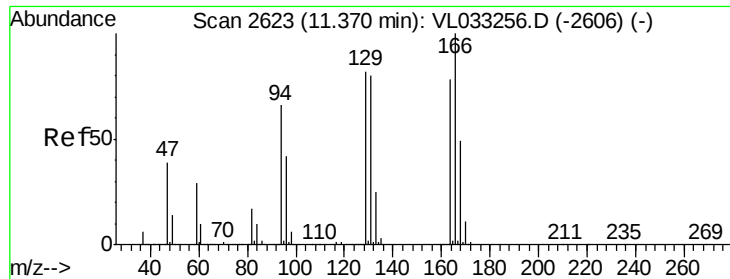
Tgt Ion: 43 Resp: 73688
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.1 42.1



#51
 2-Hexanone
 Concen: 0.315 ppbv
 RT: 10.29 min Scan# 2288
 Delta R.T. 0.03 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 43 Resp: 49523
 Ion Ratio Lower Upper
 43 100
 58 48.1 38.1 57.1
 98 0.7 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.221 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion:164 Resp: 16333

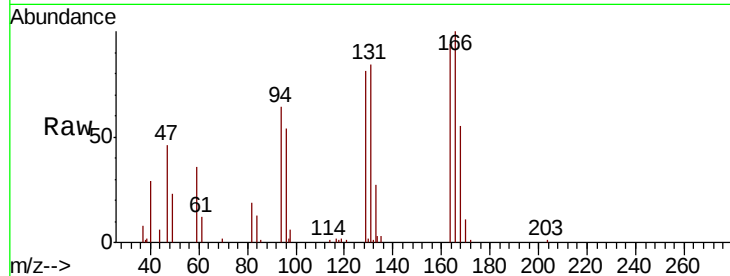
Ion Ratio Lower Upper

164 100

166 104.0 102.0 153.0

129 84.1 83.2 124.8

131 88.6 81.4 122.0

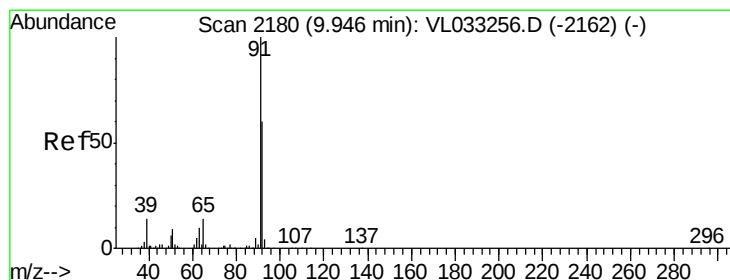
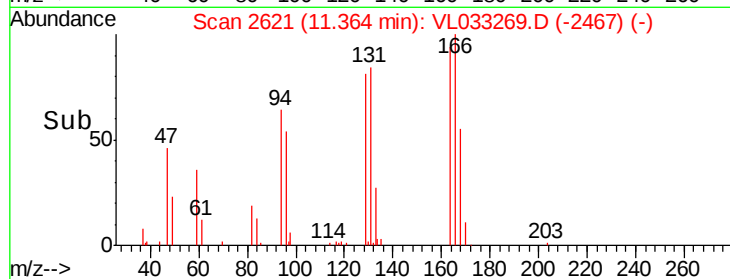
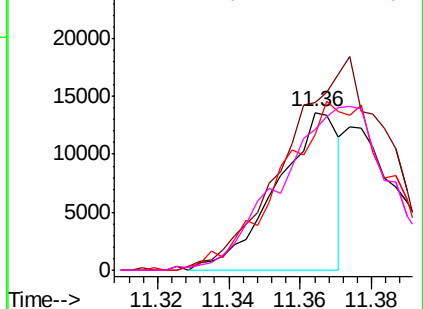


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.323 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033269.D

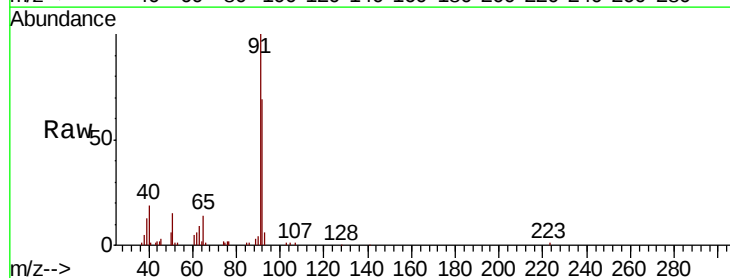
Acq: 8 Mar 2019 22:45

Tgt Ion: 91 Resp: 73355

Ion Ratio Lower Upper

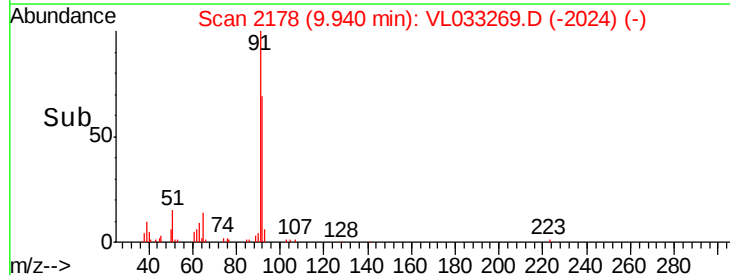
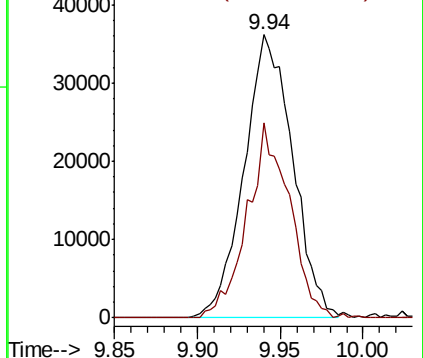
91 100

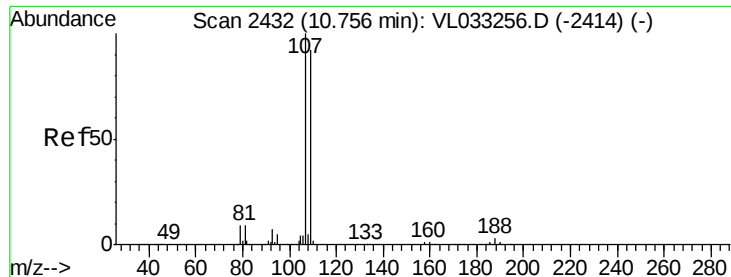
92 59.9 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

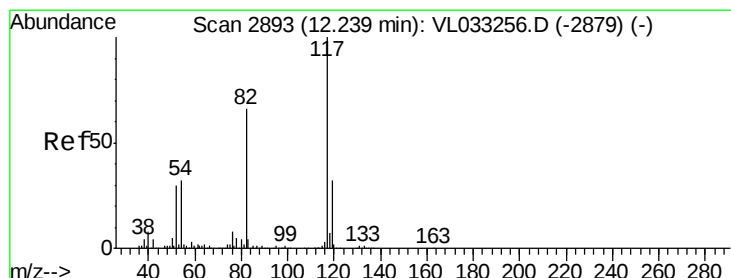
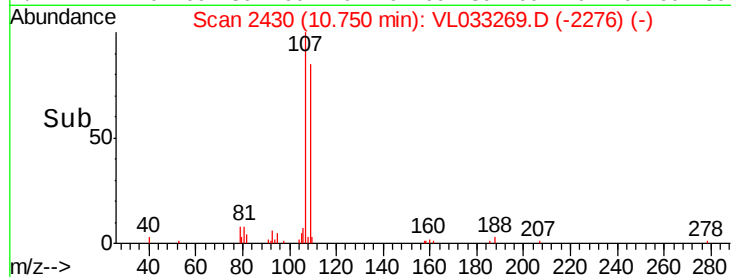
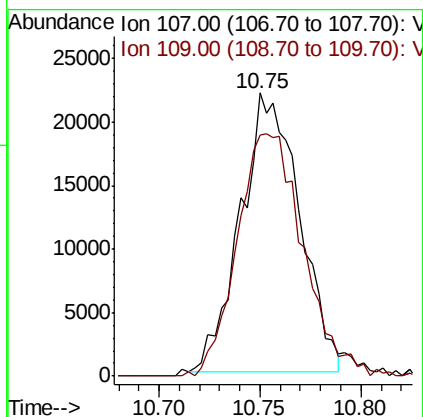
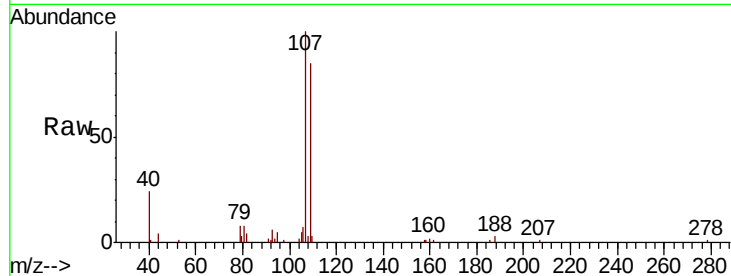




#54
 1,2-Dibromoethane
 Concen: 0.343 ppbv
 RT: 10.75 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

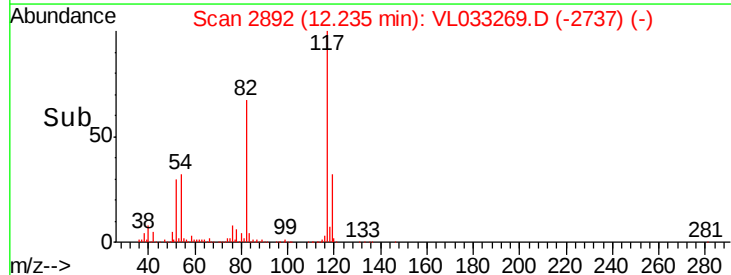
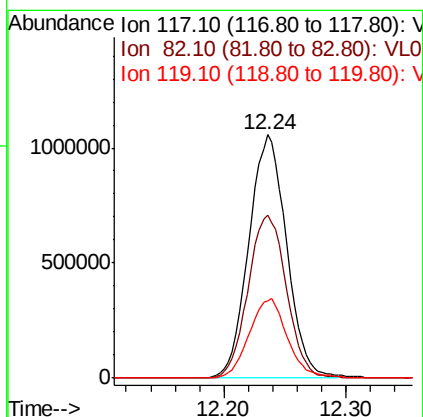
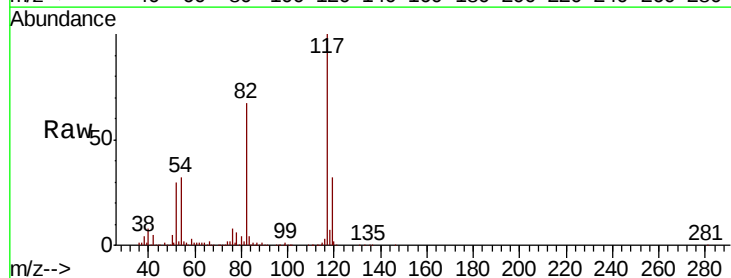
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

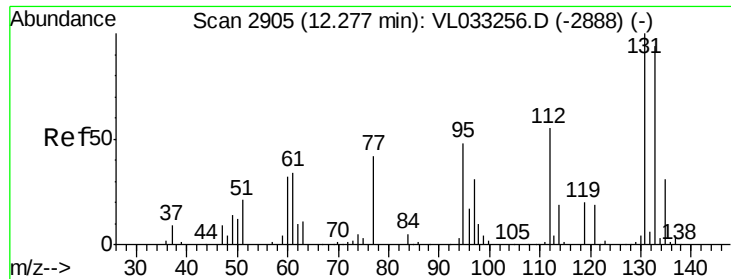
Tgt Ion:107 Resp: 44988
 Ion Ratio Lower Upper
 107 100
 109 84.5 73.9 110.9



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:117 Resp: 2259969
 Ion Ratio Lower Upper
 117 100
 82 68.3 52.2 78.4
 119 33.0 43.4 65.2#

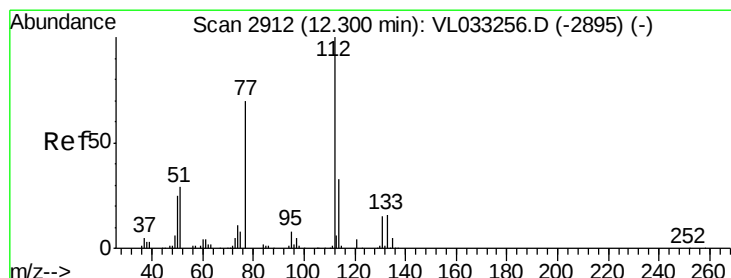
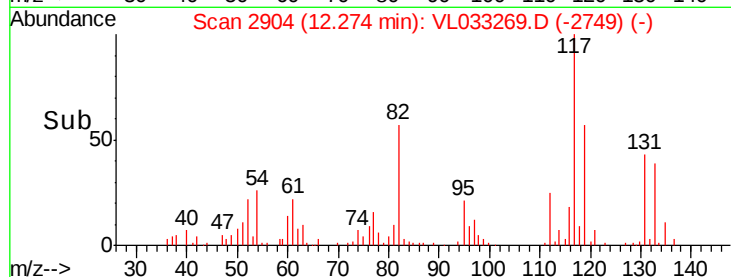
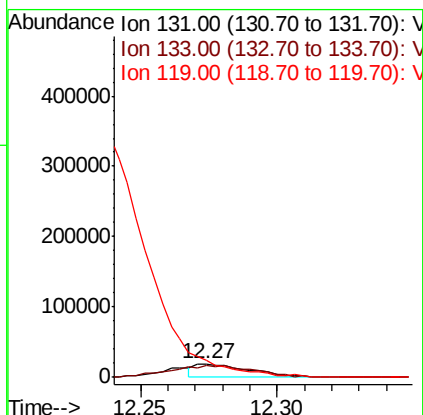
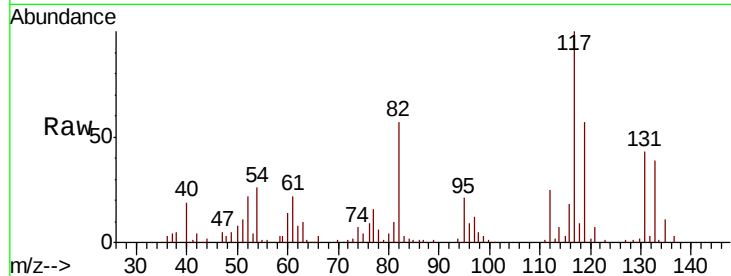




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.281 ppbv
 RT: 12.27 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

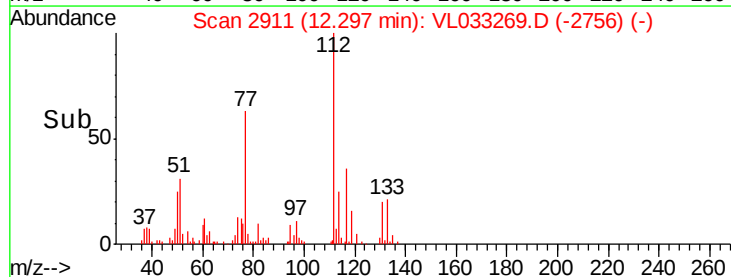
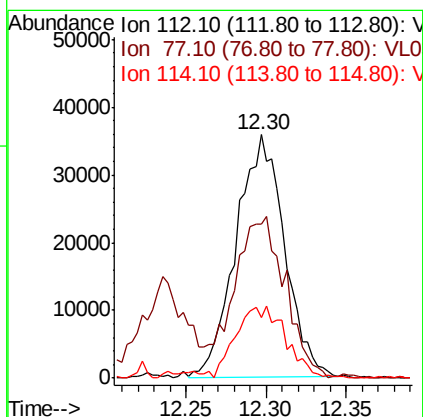
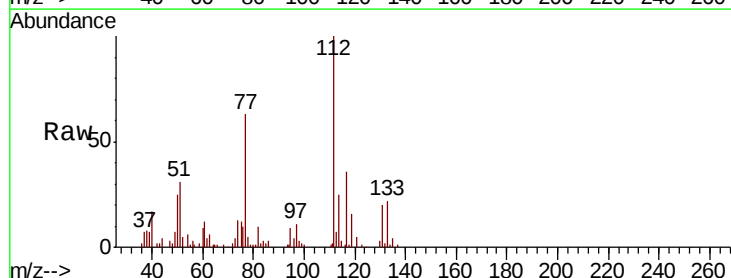
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

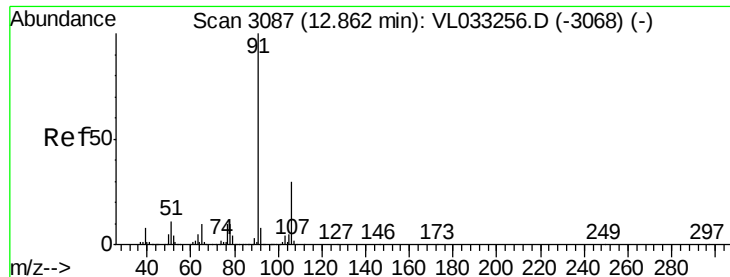
Tgt Ion:131 Resp: 26614
 Ion Ratio Lower Upper
 131 100
 133 137.0 76.3 114.5#
 119 0.0 109.2 163.8#



#57
 Chlorobenzene
 Concen: 0.447 ppbv
 RT: 12.30 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:112 Resp: 74084
 Ion Ratio Lower Upper
 112 100
 77 59.2 56.8 85.2
 114 23.0 29.5 36.1#





#58

Ethyl Benzene

Concen: 0.345 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

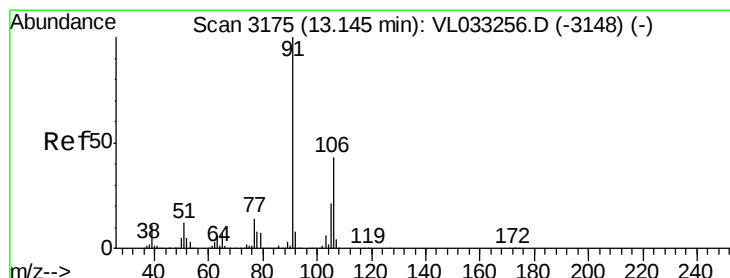
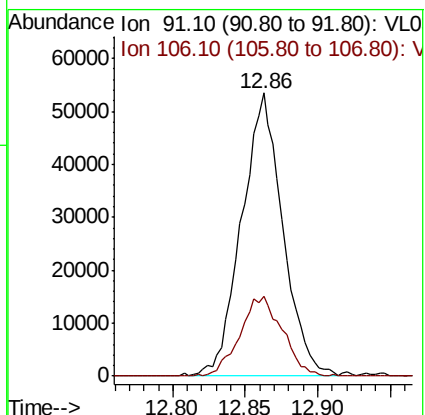
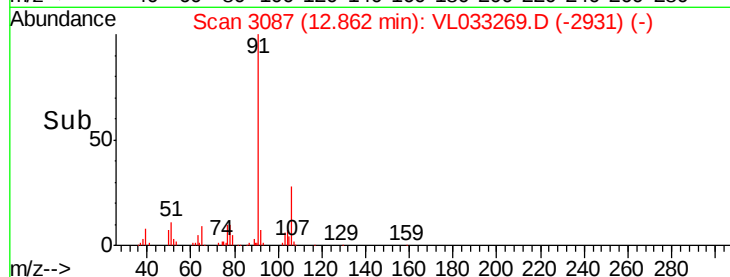
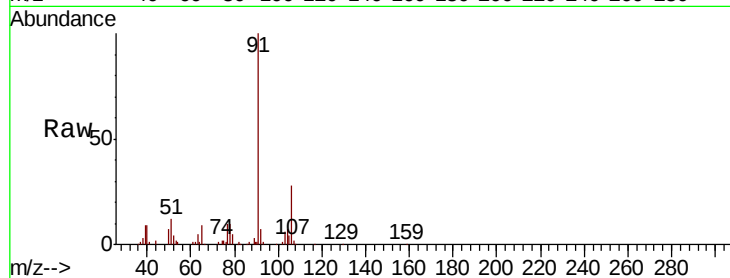
0.4 PPB MDL

Tgt Ion: 91 Resp: 105560

Ion Ratio Lower Upper

91 100

106 28.4 23.7 35.5



#59

m/p-Xylene

Concen: 0.333 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VL033269.D

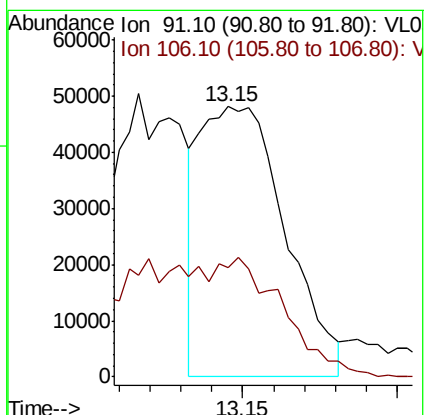
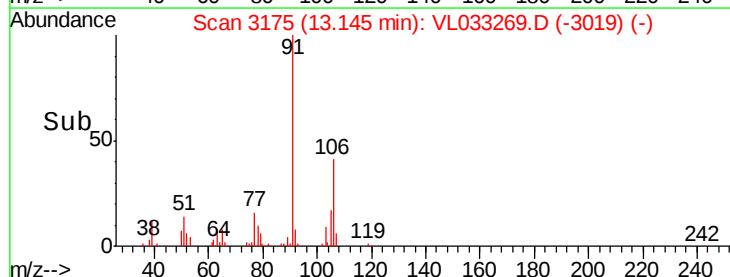
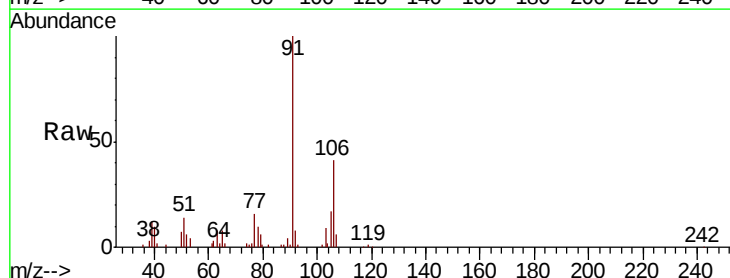
Acq: 8 Mar 2019 22:45

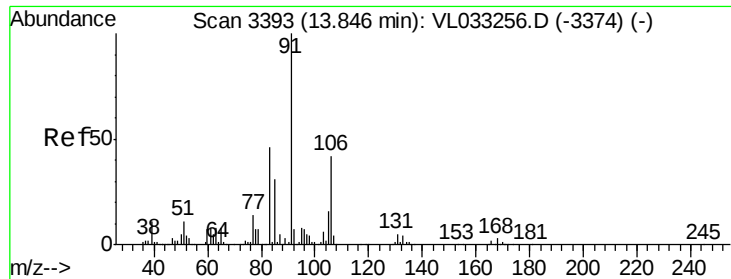
Tgt Ion: 91 Resp: 92246

Ion Ratio Lower Upper

91 100

106 84.0 35.0 52.4#

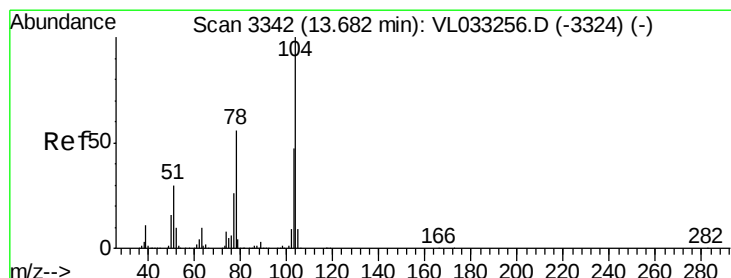
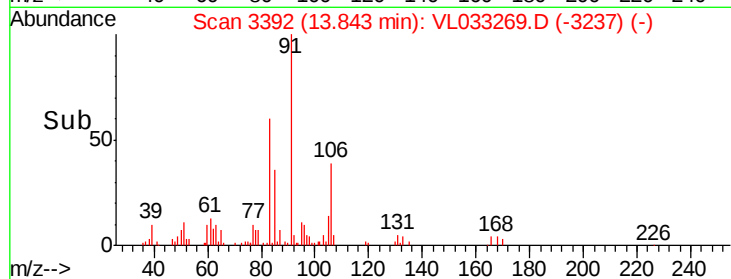
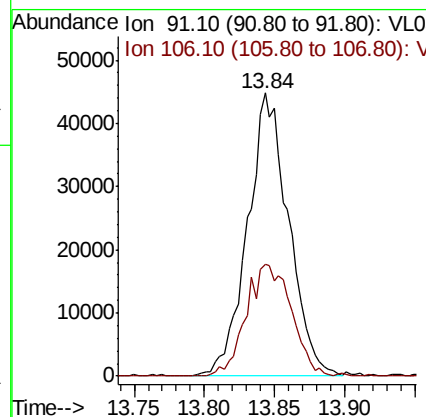
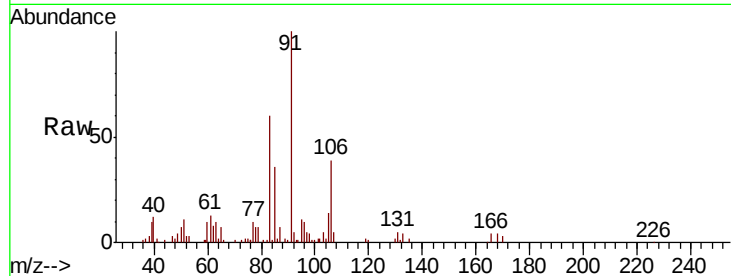




#60
o-Xylene
Concen: 0.340 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

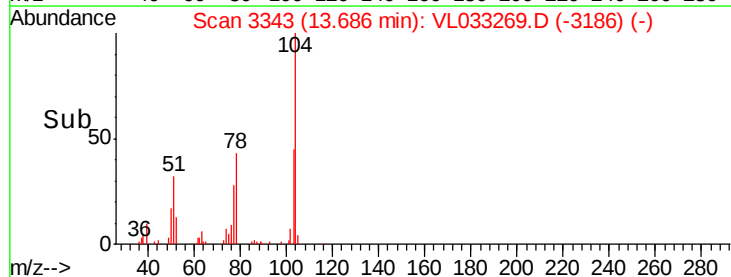
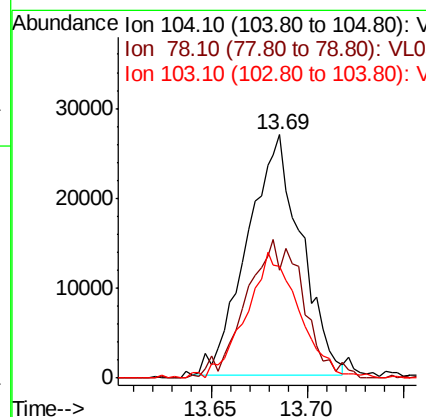
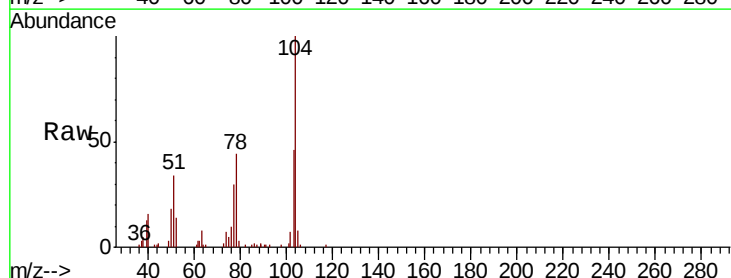
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

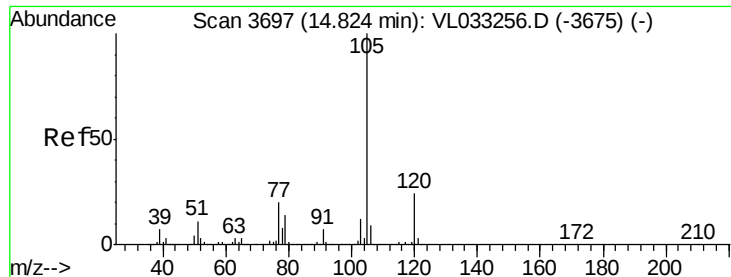
Tgt Ion: 91 Resp: 91239
Ion Ratio Lower Upper
91 100
106 43.6 21.1 63.4



#61
Styrene
Concen: 0.285 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion: 104 Resp: 51969
Ion Ratio Lower Upper
104 100
78 60.9 43.9 65.9
103 51.4 38.3 57.5





#62

Isopropylbenzene

Concen: 0.363 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

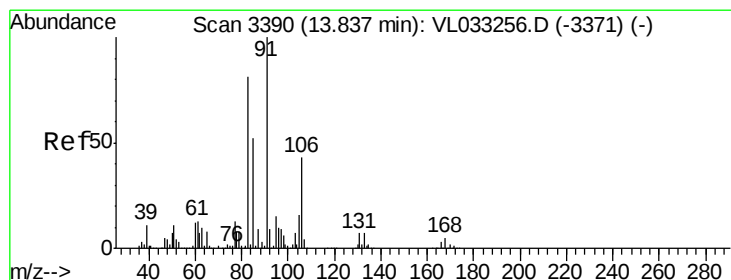
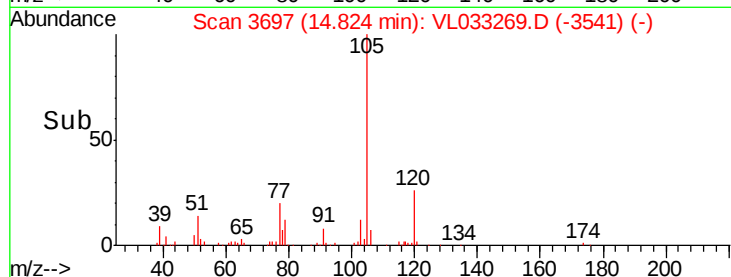
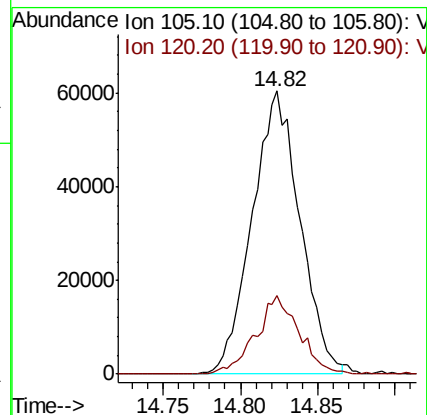
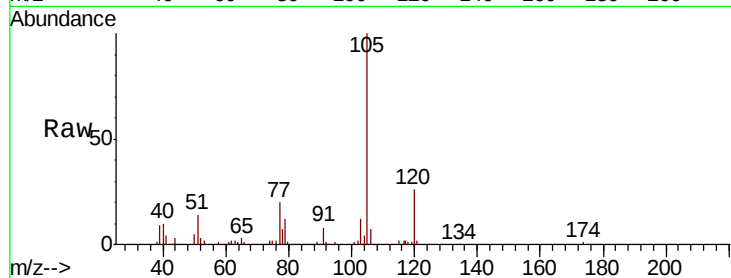
0.4 PPB MDL

Tgt Ion: 105 Resp: 129875

Ion Ratio Lower Upper

105 100

120 25.3 19.7 29.5



#63

1,1,2,2-Tetrachloroethane

Concen: 0.221 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

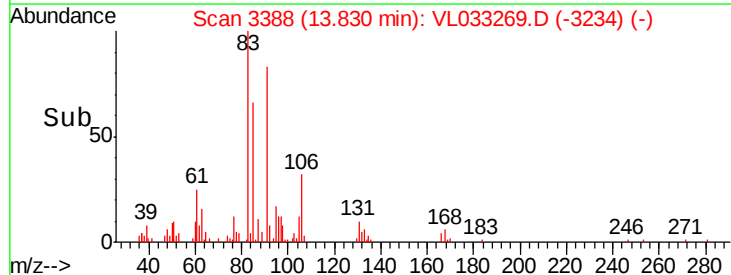
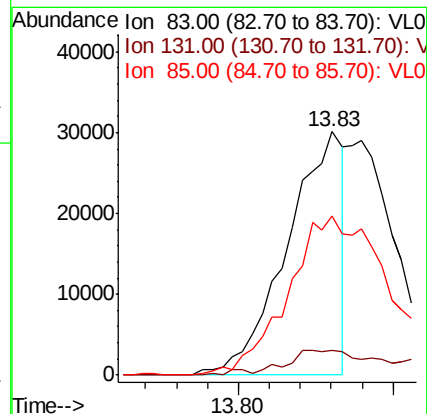
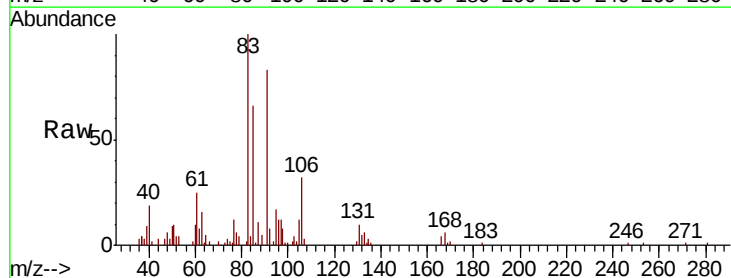
Tgt Ion: 83 Resp: 38098

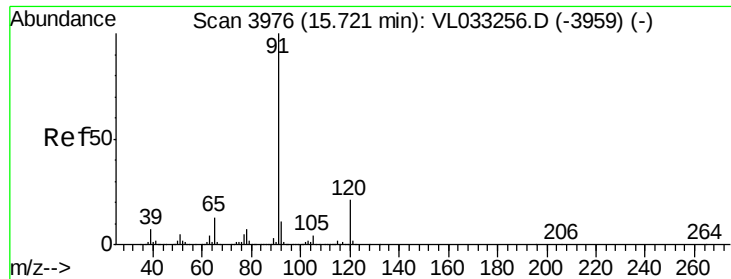
Ion Ratio Lower Upper

83 100

131 19.2 4.7 14.0#

85 121.0 32.4 97.0#





#64

n-propylbenzene

Concen: 0.220 ppbv

RT: 15.72 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

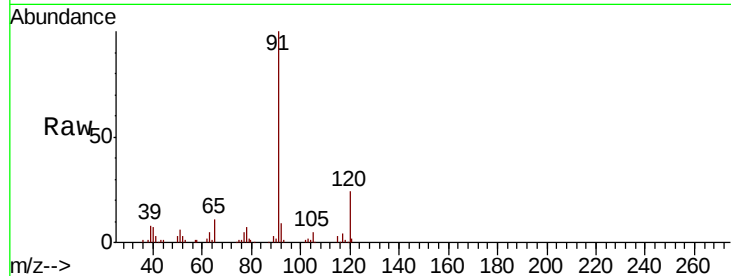
0.4 PPB MDL

Tgt Ion:120 Resp: 19219

Ion Ratio Lower Upper

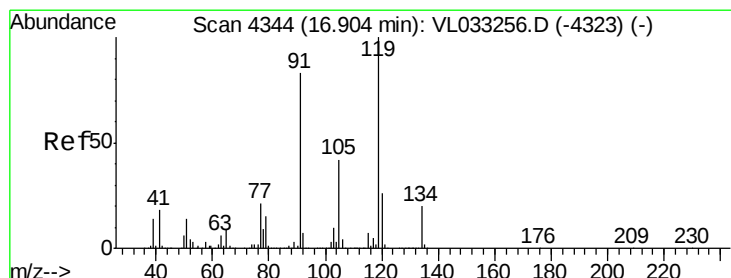
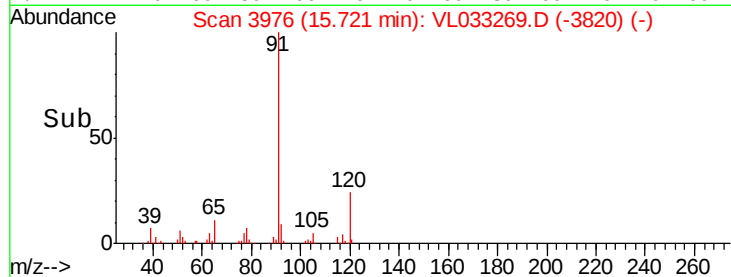
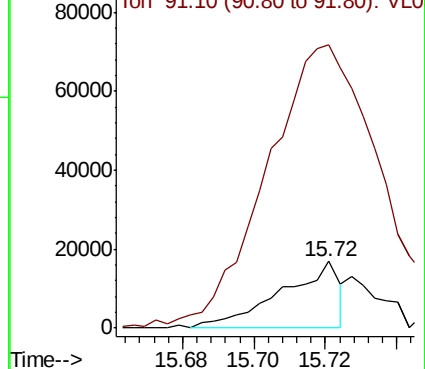
120 100

91 818.0 392.8 589.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.333 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

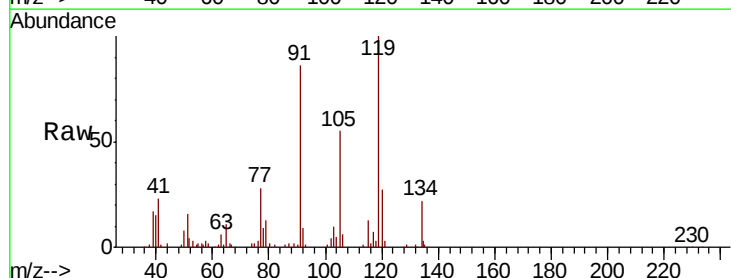
Tgt Ion:119 Resp: 100130

Ion Ratio Lower Upper

119 100

91 91.9 67.3 100.9

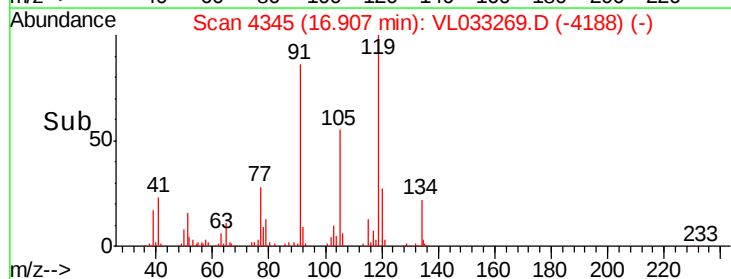
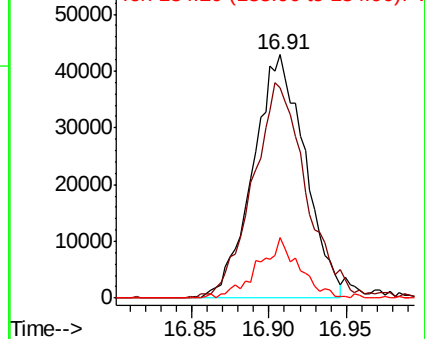
134 19.8 15.5 23.3

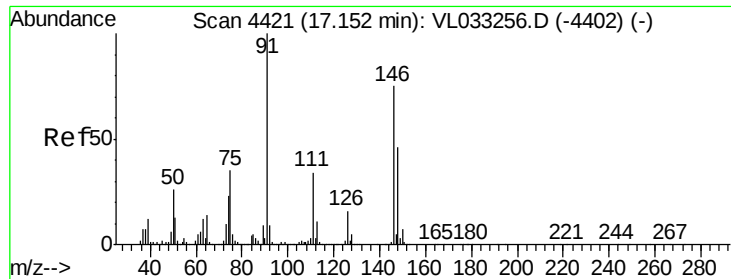


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.201 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL033269.D

Acq: 8 Mar 2019 22:45

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

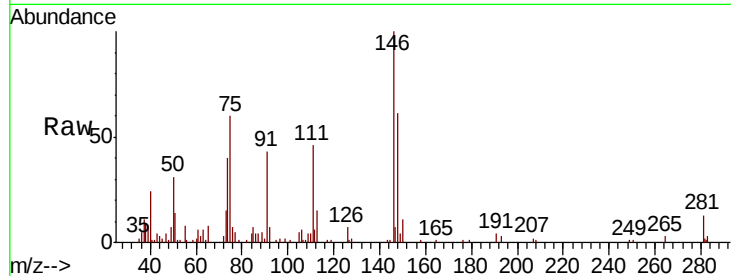
Tgt Ion: 91 Resp: 22663

Ion Ratio Lower Upper

91 100

126 0.9 13.0 19.6#

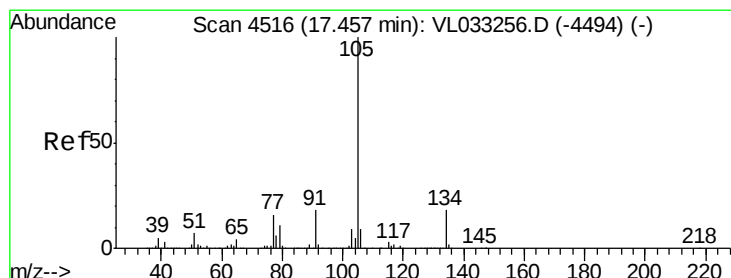
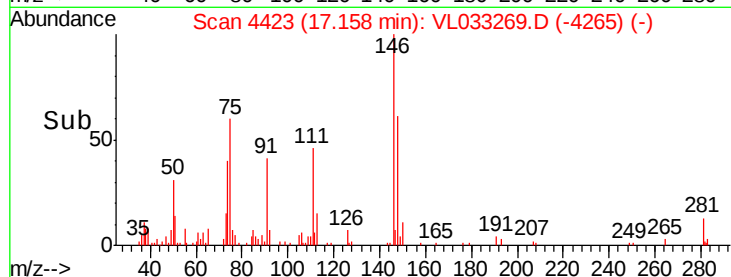
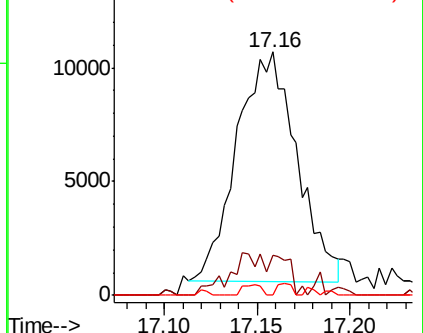
128 2.0 4.2 6.2#



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: 0.356 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033269.D

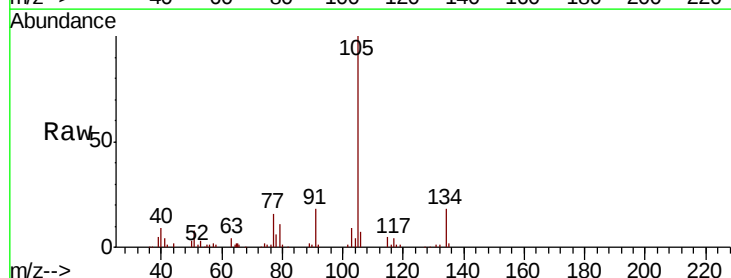
Acq: 8 Mar 2019 22:45

Tgt Ion: 105 Resp: 152394

Ion Ratio Lower Upper

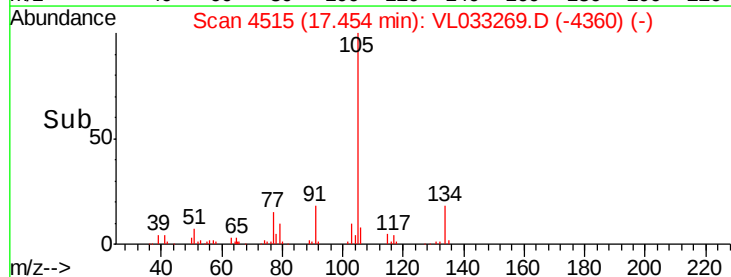
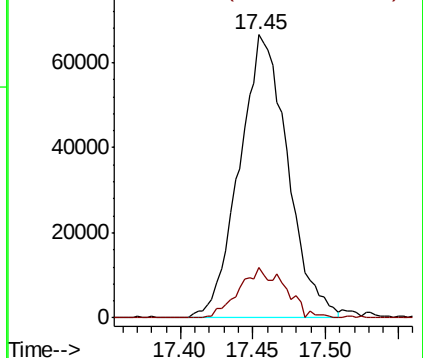
105 100

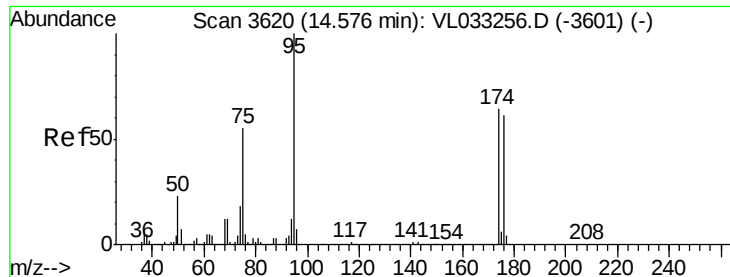
134 17.2 14.0 21.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

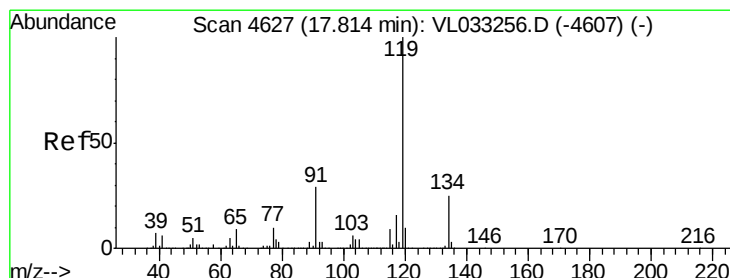
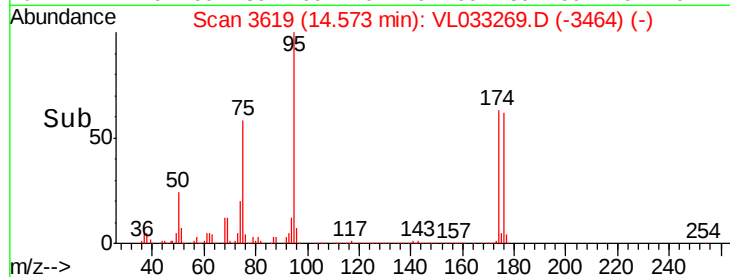
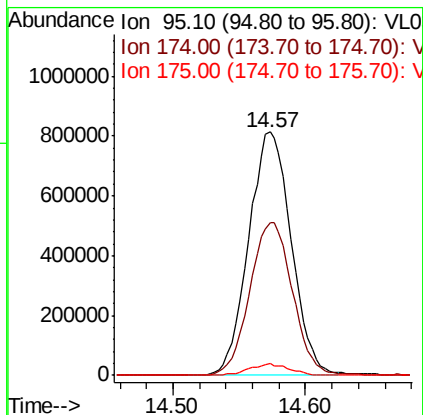
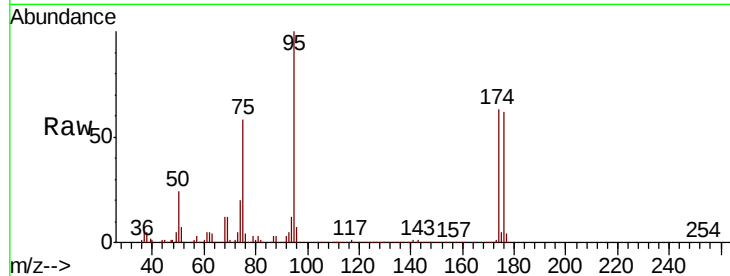




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.999 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

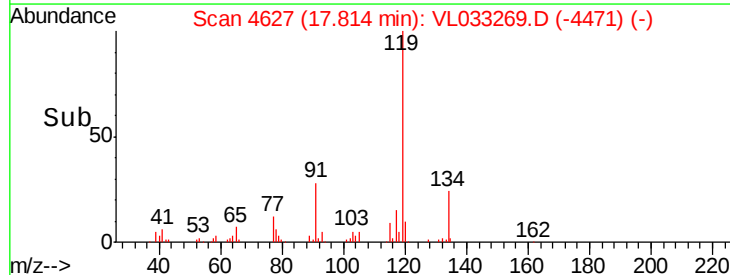
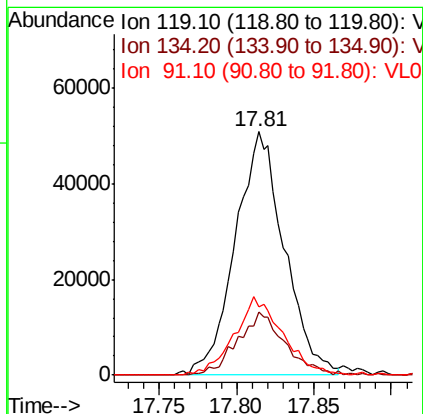
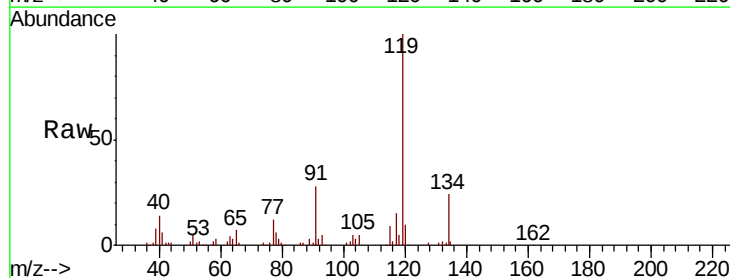
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

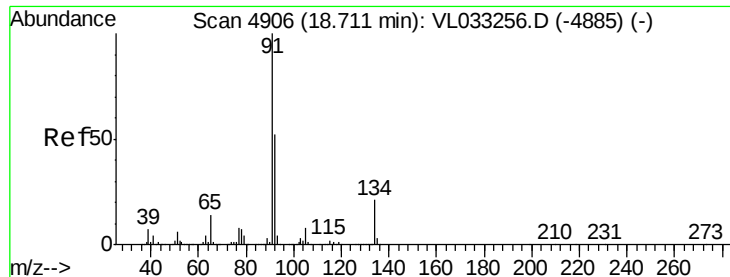
Tgt Ion: 95 Resp: 1813523
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.7 77.5
 175 4.5 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.323 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion: 119 Resp: 112162
 Ion Ratio Lower Upper
 119 100
 134 25.2 19.8 29.8
 91 31.9 23.9 35.9

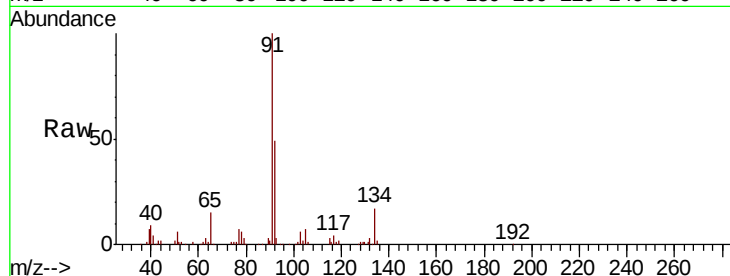




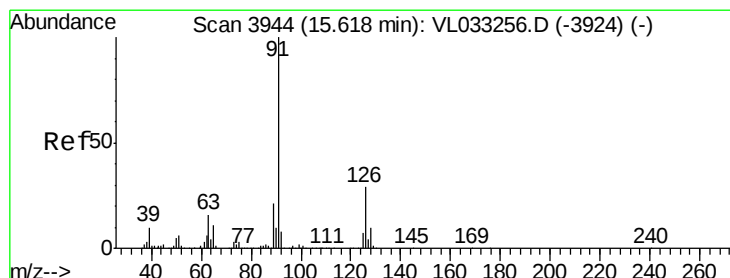
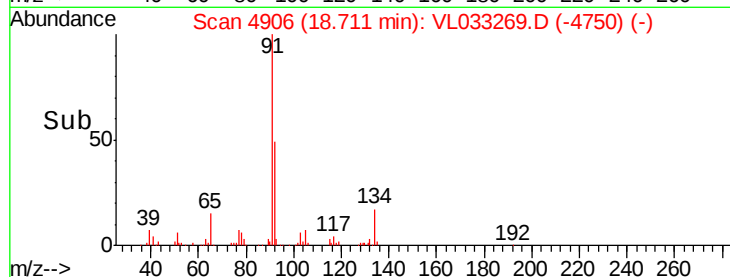
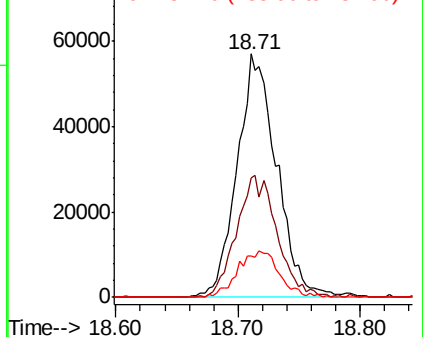
#70
n-Butylbenzene
Concen: 0.338 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion: 91 Resp: 127128
Ion Ratio Lower Upper
91 100
92 51.7 42.6 63.8
134 20.2 17.3 25.9

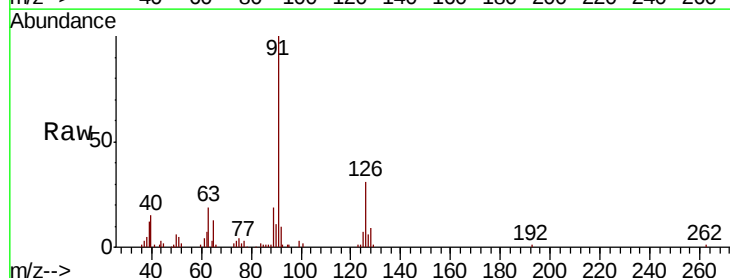


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

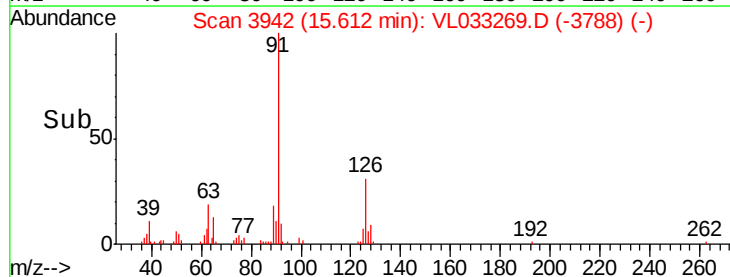
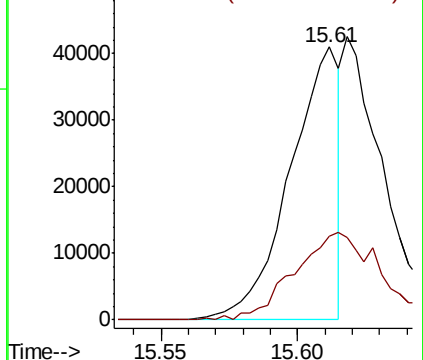


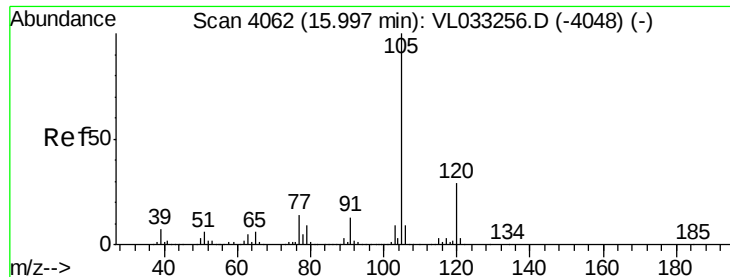
#71
2-Chlorotoluene
Concen: 0.192 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion: 91 Resp: 51301
Ion Ratio Lower Upper
91 100
126 0.0 11.7 46.9#



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

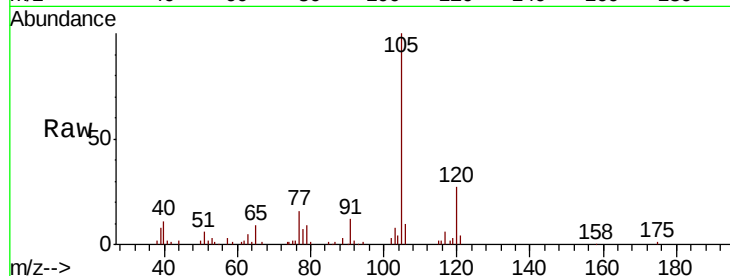




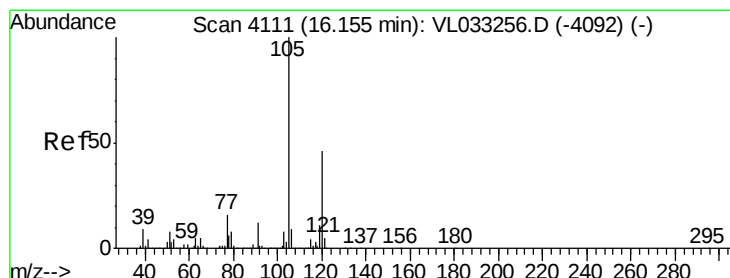
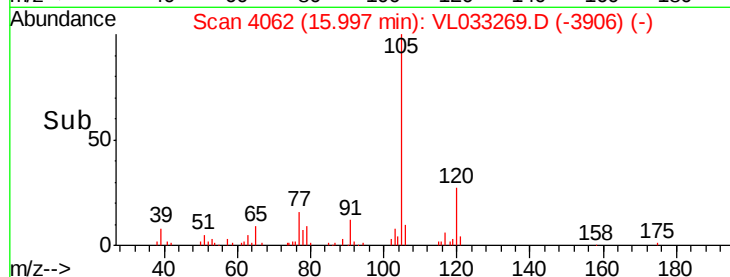
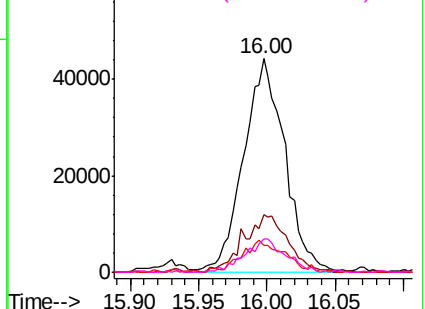
#72
4-Ethyltoluene
Concen: 0.333 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:	105	Resp:	92807
Ion	Ratio	Lower	Upper
105	100		
120	29.7	22.9	34.3
91	15.8	10.4	15.6
77	15.7	11.4	17.2

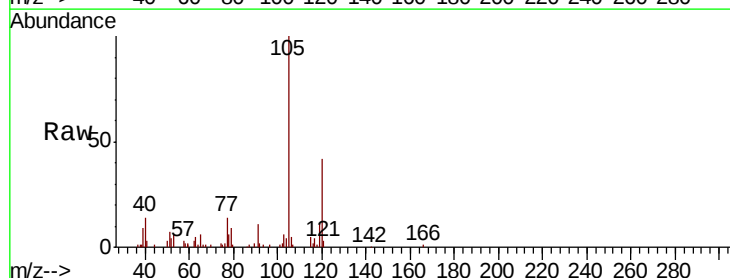


Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

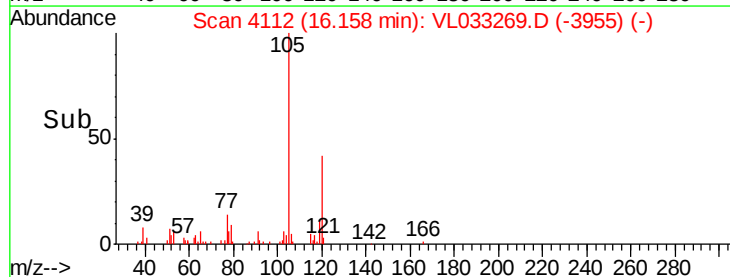
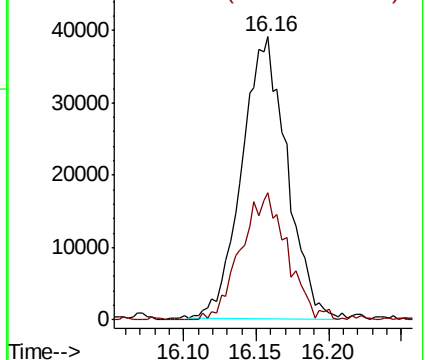


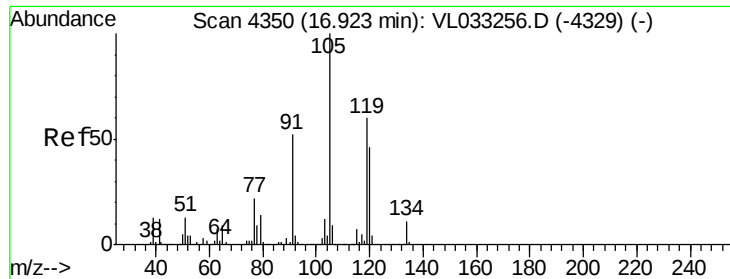
#73
1,3,5-Trimethylbenzene
Concen: 0.316 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion:	105	Resp:	84130
Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.6	55.0



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

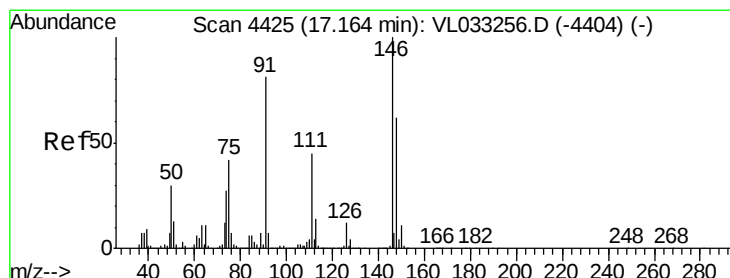
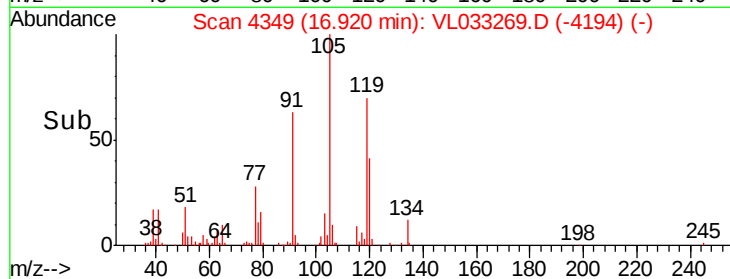
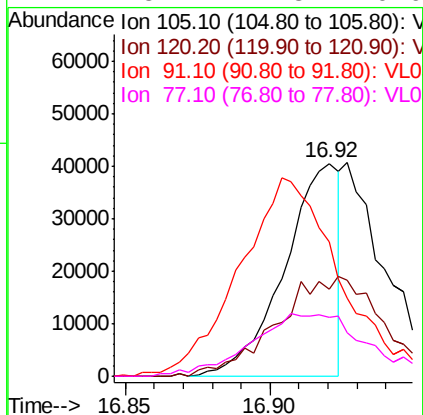
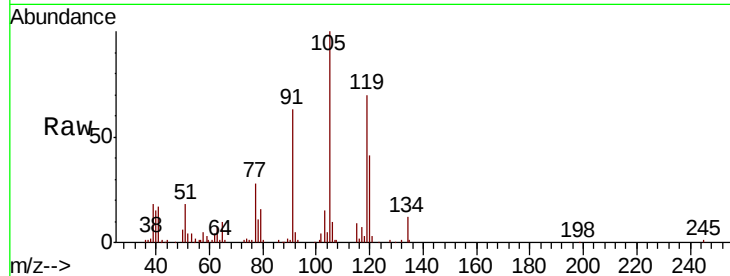




#74
 1,2,4-Trimethylbenzene
 Concen: 0.192 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

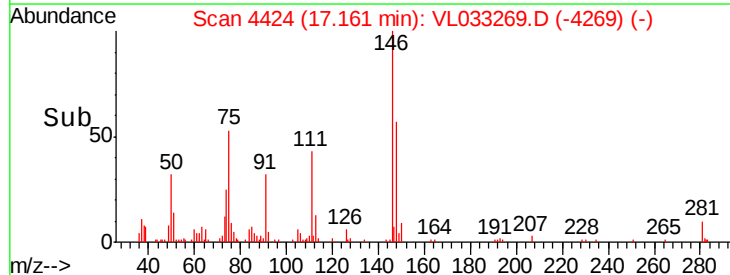
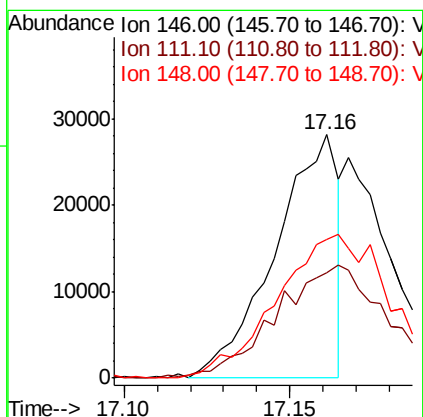
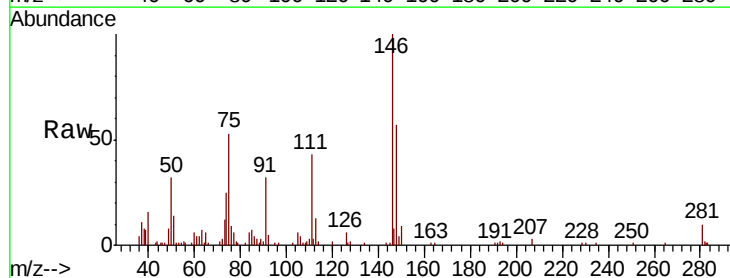
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

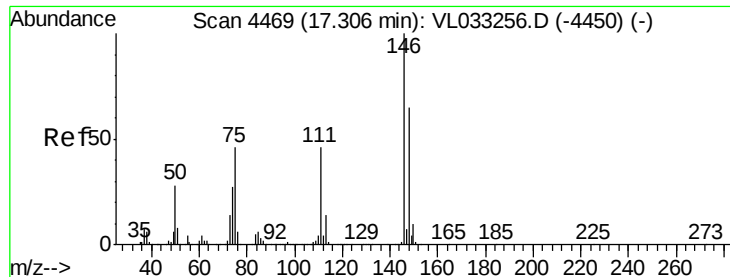
Tgt Ion:	105	Resp:	53173
Ion	Ratio	Lower	Upper
105	100		
120	44.6	36.7	55.1
91	52.2	42.1	63.1
77	25.7	17.8	26.6



#75
 1,3-Dichlorobenzene
 Concen: 0.228 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:	146	Resp:	37222
Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.7#
148	0.0	31.6	94.7#

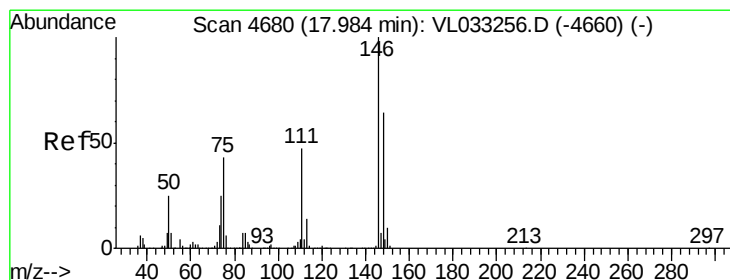
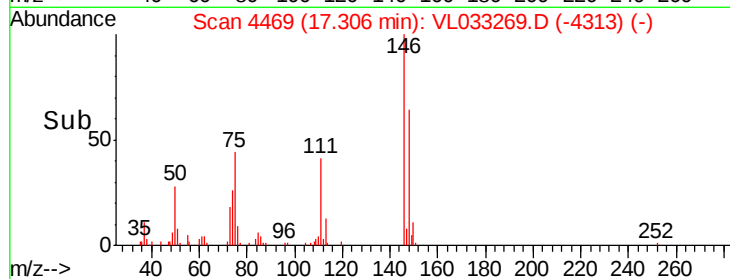
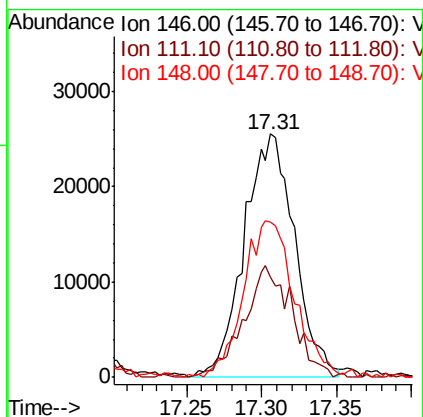
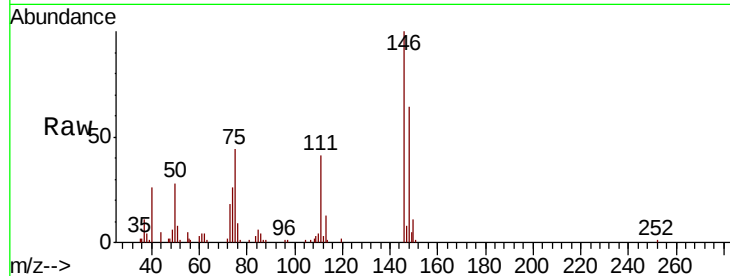




#76
 1,4-Dichlorobenzene
 Concen: 0.374 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

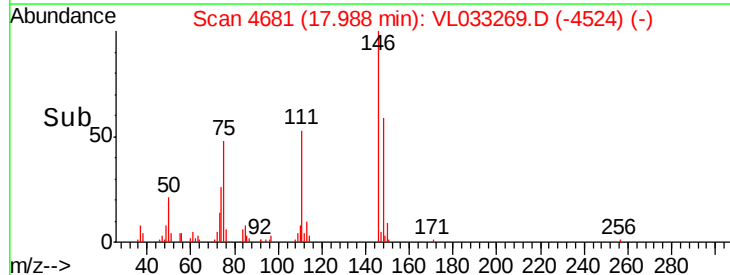
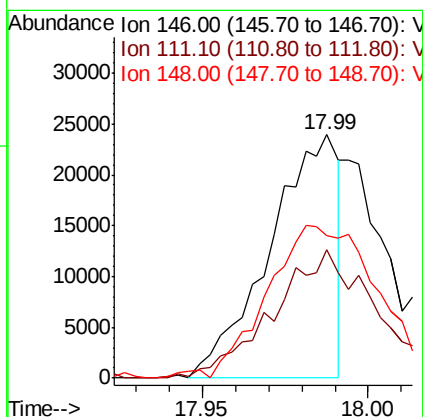
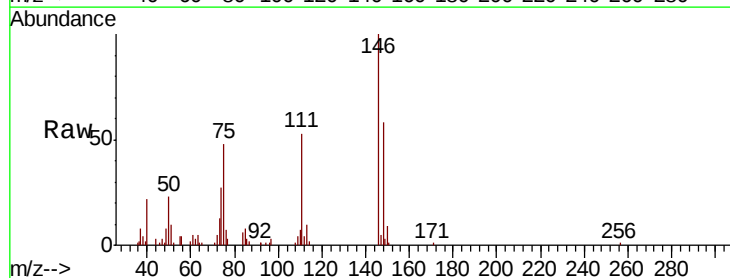
Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

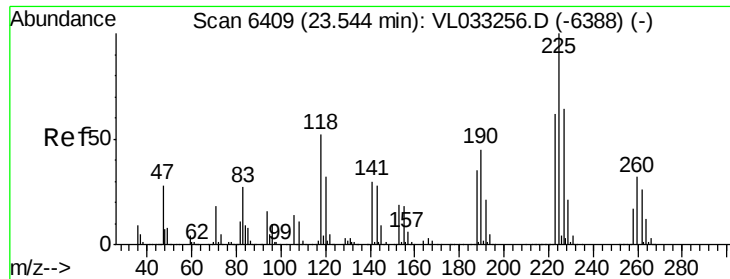
Tgt Ion:146 Resp: 59835
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.6 67.7
 148 66.2 32.3 96.9



#77
 1,2-Dichlorobenzene
 Concen: 0.220 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL033269.D
 Acq: 8 Mar 2019 22:45

Tgt Ion:146 Resp: 34668
 Ion Ratio Lower Upper
 146 100
 111 82.3 23.8 71.2#
 148 106.1 32.0 96.2#

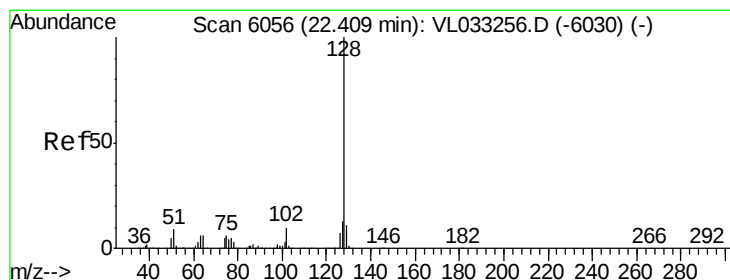
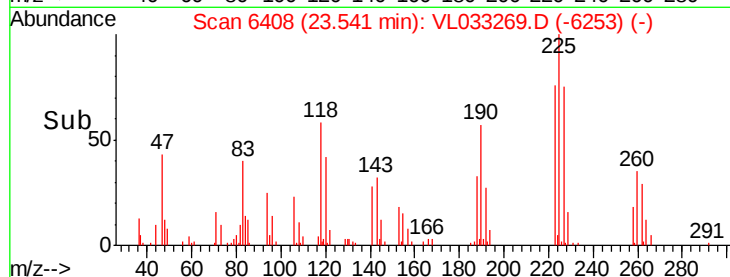
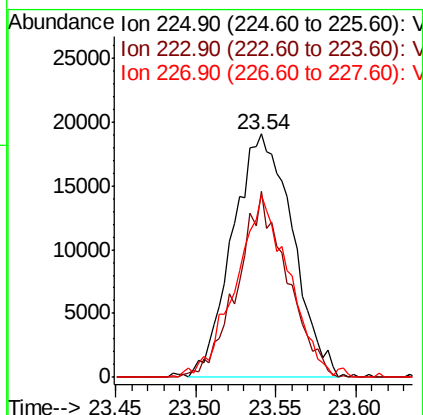
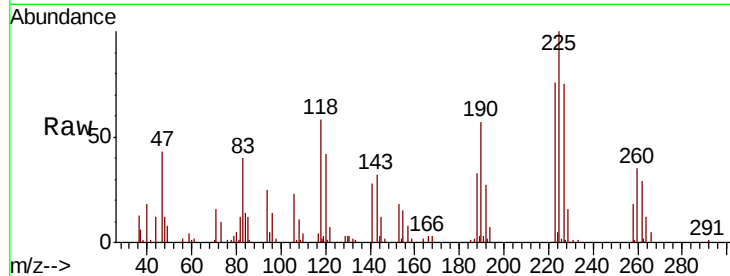




#78
Hexachloro-1,3-Butadiene
Concen: 0.411 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

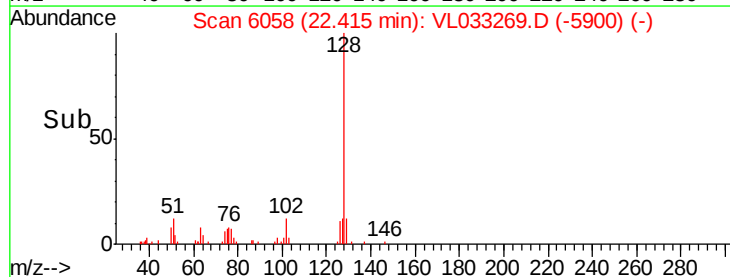
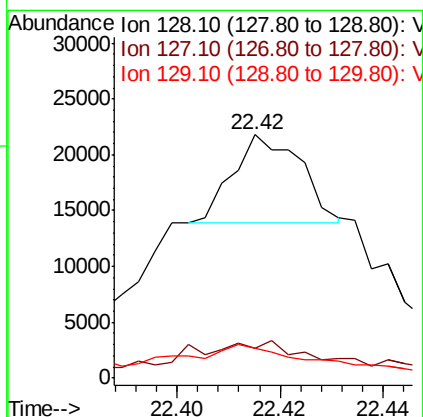
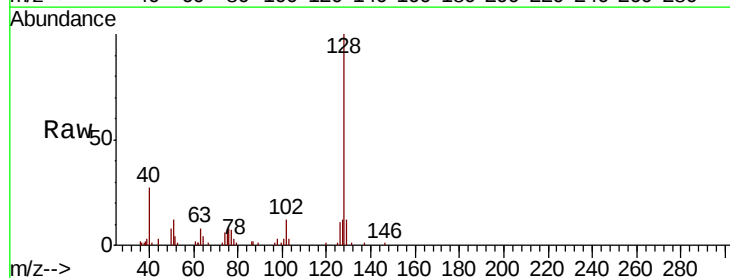
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

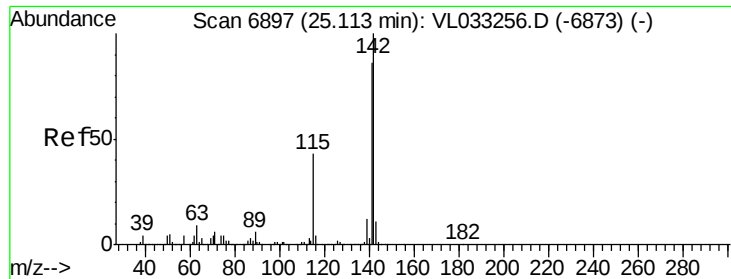
Tgt Ion:225 Resp: 49029
Ion Ratio Lower Upper
225 100
223 63.3 50.4 75.6
227 66.8 51.4 77.0



#79
Naphthalene
Concen: 0.023 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. 0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion:128 Resp: 7084
Ion Ratio Lower Upper
128 100
127 11.2 10.3 15.5
129 14.1 8.6 13.0#

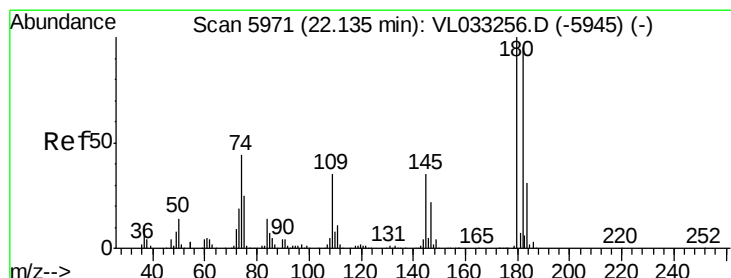
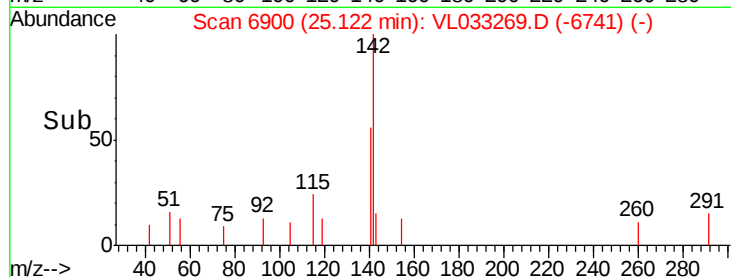
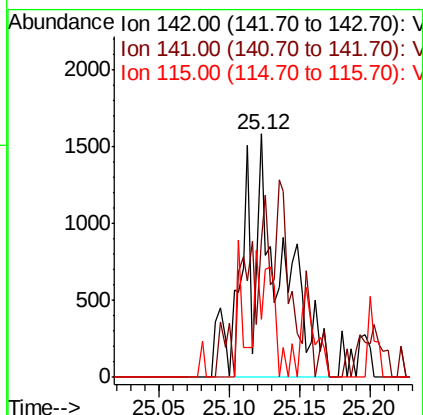
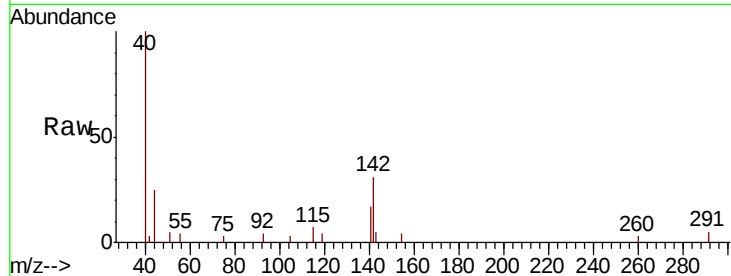




#80
Naphthalene, 2-methyl-
Concen: 0.038 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion:142 Resp: 2806
Ion Ratio Lower Upper
142 100
141 90.3 67.6 101.4
115 35.0 33.9 50.9



#81
1,2,4-Trichlorobenzene
Concen: 0.184 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL033269.D
Acq: 8 Mar 2019 22:45

Tgt Ion:180 Resp: 28608
Ion Ratio Lower Upper
180 100
182 148.8 76.3 114.5#
184 43.7 24.6 36.8#

