

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031275.D
 Acq On : 20 Dec 2017 18:06
 Operator : SY/AP
 Sample : I7005-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

Quant Time: Dec 21 08:37:14 2017

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017

QLast Update : Thu Dec 14 04:29:58 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1605025	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	3674684	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3672610	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2854283	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.18	85	65039	0.48	ppbv	97
3) Chlorodifluoromethane	3.12	51	31256	0.17	ppbv	98
4) Chloromethane	3.28	50	66182	0.67	ppbv	90
9) Propene	3.14	41	560955	6.26	ppbv	100
10) Heptane	8.41	43	30986	0.11	ppbv #	28
11) Trichlorofluoromethane	4.13	101	199381	0.89	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.68	101	4927	0.03	ppbv #	1
13) Ethanol	3.77	45	221837	8.59	ppbv	98
15) Acetone	4.02	43	2857722	13.49	ppbv #	58
16) 1,3-Butadiene	3.46	39	1310743	14.38	ppbv #	14
17) tert-Butyl alcohol	4.50	59	198348	1.67	ppbv	96
19) Isopropyl Alcohol	4.16	45	13036	0.10	ppbv #	41
20) Methylene Chloride	4.54	84	40786	0.58	ppbv	95
21) Allyl Chloride	4.50	41	89809	0.72	ppbv #	70
23) Vinyl Acetate	5.40	43	168793	0.49	ppbv #	16
25) Ethyl Acetate	5.93	43	111997	0.26	ppbv #	84
26) Hexane	5.93	57	137526	0.67	ppbv #	5
27) Carbon Disulfide	4.76	76	15171	0.07	ppbv #	37
30) Cyclohexane	7.41	84	10510	0.06	ppbv #	1
32) 1,1,1-Trichloroethane	6.78	97	11703	0.04	ppbv	91
34) 2-Butanone	5.47	43	8436307	32.51	ppbv	98
36) Benzene	7.17	78	150529	0.39	ppbv	98
39) 1,2-Dichloropropane	7.45	63	949718	6.90	ppbv #	28
41) Tetrahydrofuran	6.31	42	17946	0.12	ppbv #	67
44) 2,2,4-Trimethylpentane	8.16	57	69039	0.12	ppbv #	67
50) 4-Methyl-2-Pentanone	9.05	43	11113	0.03	ppbv #	39
51) 2-Hexanone	10.44	43	848487	2.80	ppbv #	97
52) Tetrachloroethene	11.55	164	903729	6.29	ppbv	95
53) Toluene	10.12	91	8327459	19.71	ppbv	99
58) Ethyl Benzene	13.04	91	499376	0.82	ppbv	96
59) m/p-Xylene	13.29	91	1248533	2.57	ppbv	97
60) o-Xylene	14.02	91	458279	0.94	ppbv	99
61) Styrene	13.86	104	23613	0.17	ppbv #	1
65) tert-Butylbenzene	17.10	119	17076	0.03	ppbv #	33
69) p-Isopropyltoluene	17.98	119	22908	0.04	ppbv #	85
71) 2-Chlorotoluene	16.10	91	25757	0.05	ppbv	77
72) 4-Ethyltoluene	16.17	105	64323	0.12	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.33	105	29030	0.06	ppbv	95
74) 1,2,4-Trimethylbenzene	17.10	105	67901	0.14	ppbv #	67

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1

Quant Time: Dec 21 08:37:14 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

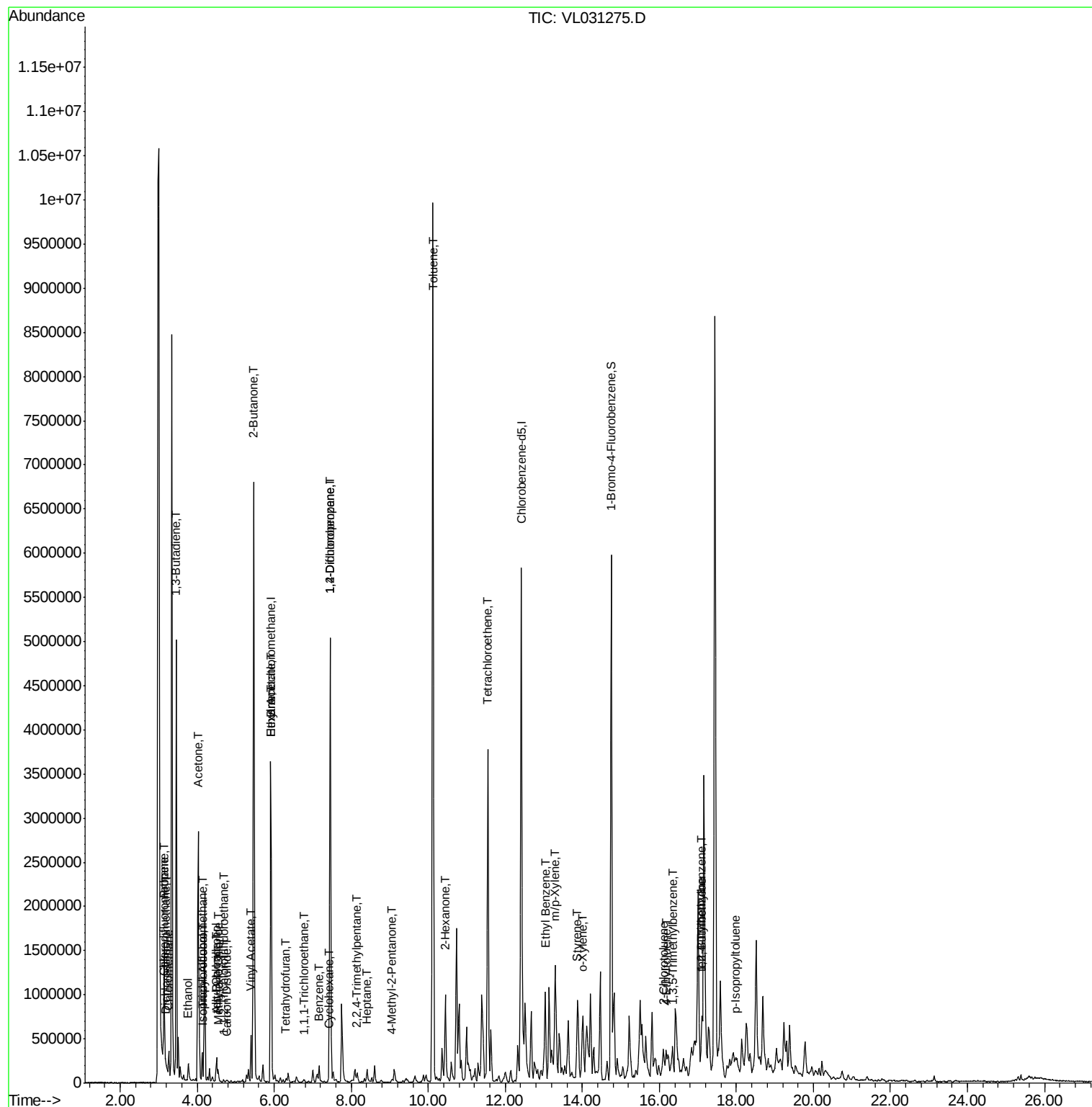
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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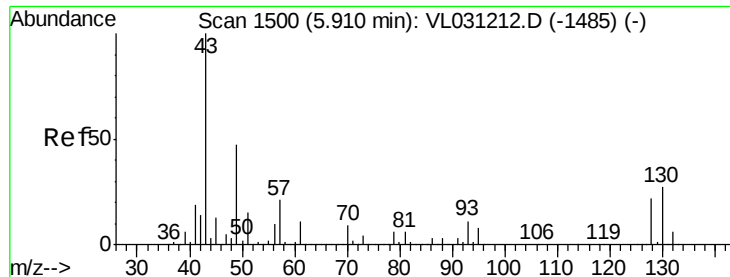
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-1

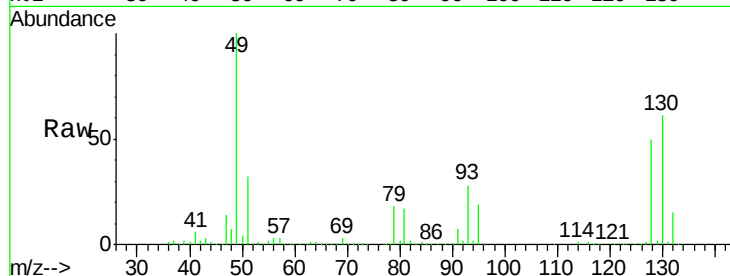
Tgt Ion: 49 Resp: 1605025

Ion Ratio Lower Upper

49 100

128 47.4 23.2 69.5

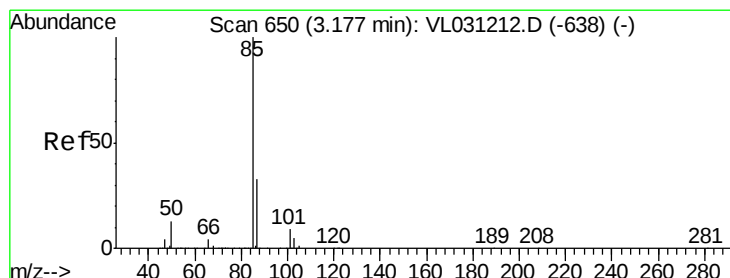
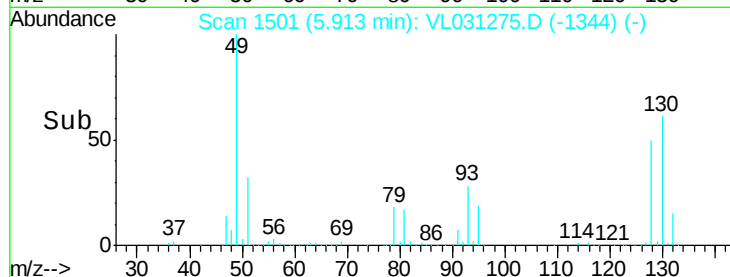
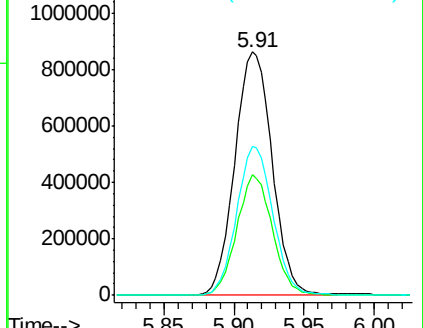
130 59.9 29.6 88.8



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: 0.48 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031275.D

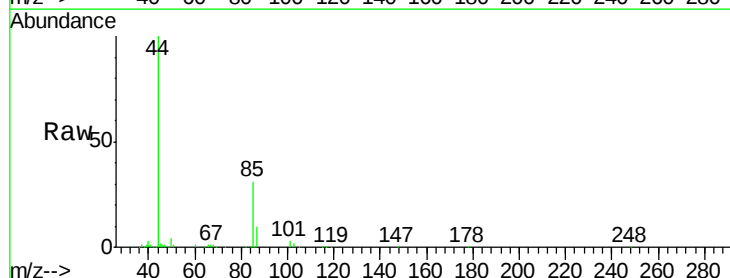
Acq: 20 Dec 2017 18:06

Tgt Ion: 85 Resp: 65039

Ion Ratio Lower Upper

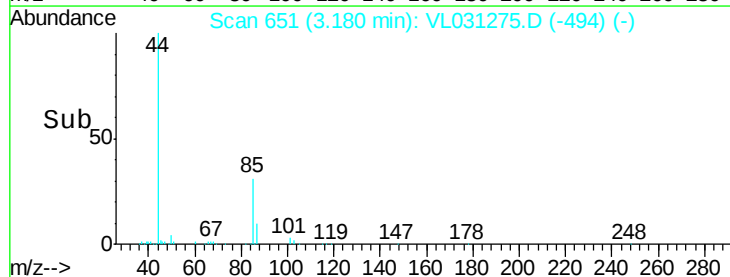
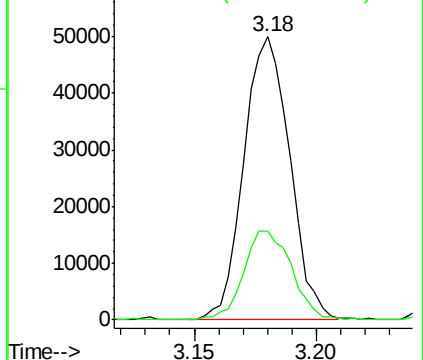
85 100

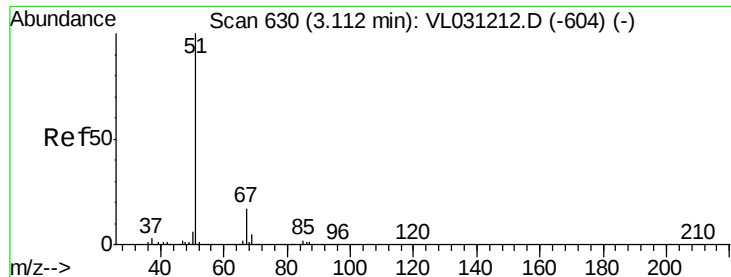
87 31.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.17 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

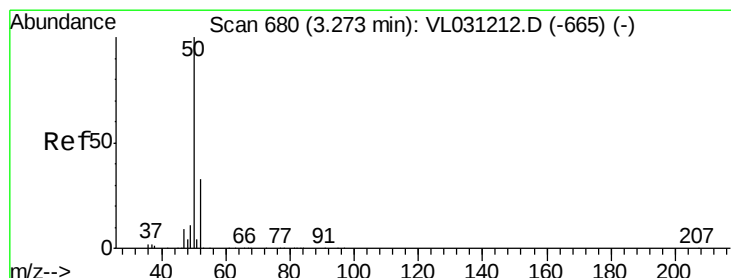
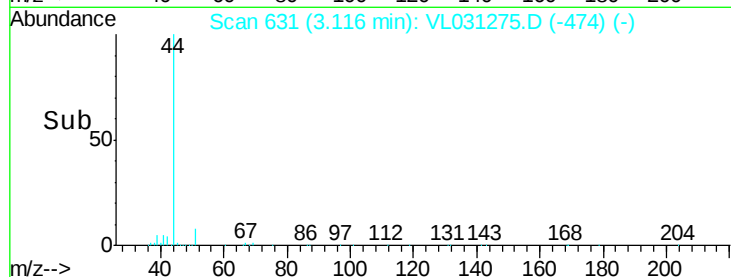
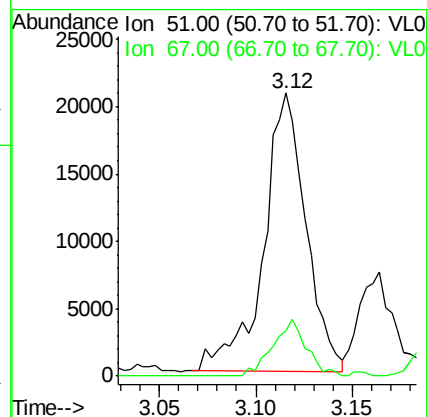
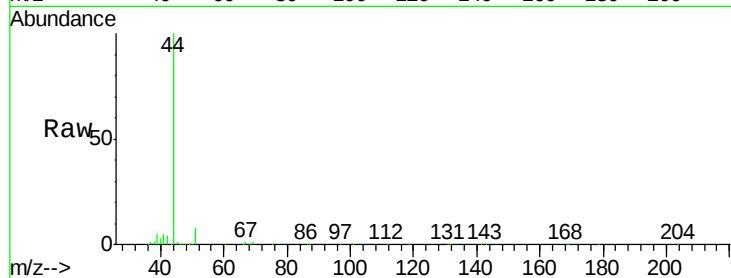
EP1-SV-1

Tgt Ion: 51 Resp: 31256

Ion Ratio Lower Upper

51 100

67 16.3 13.8 20.6



#4

Chloromethane

Concen: 0.67 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031275.D

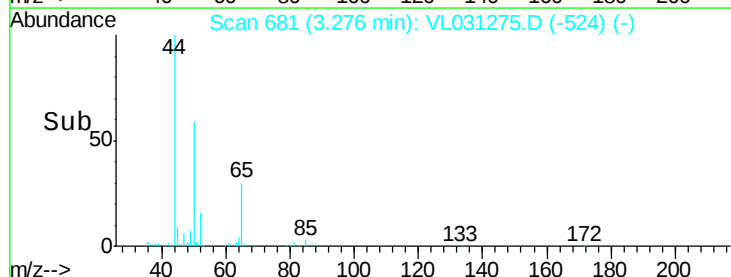
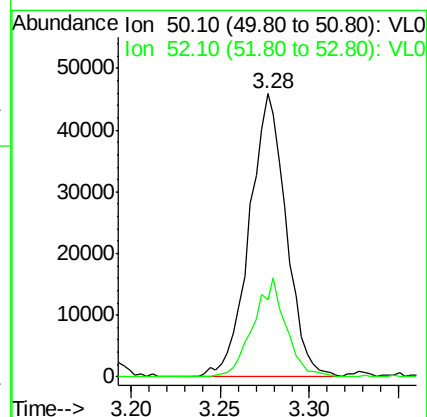
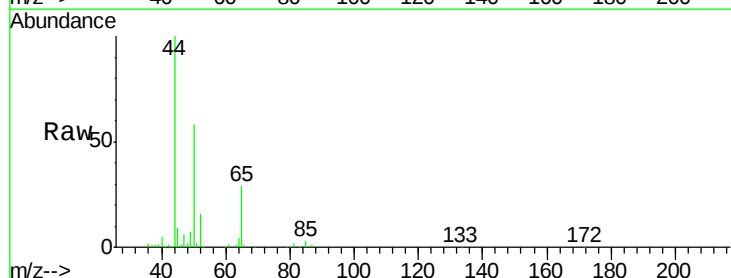
Acq: 20 Dec 2017 18:06

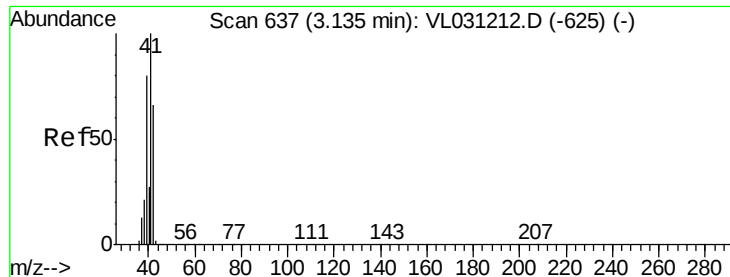
Tgt Ion: 50 Resp: 66182

Ion Ratio Lower Upper

50 100

52 27.4 26.5 39.7





#9

Propene

Concen: 6.26 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

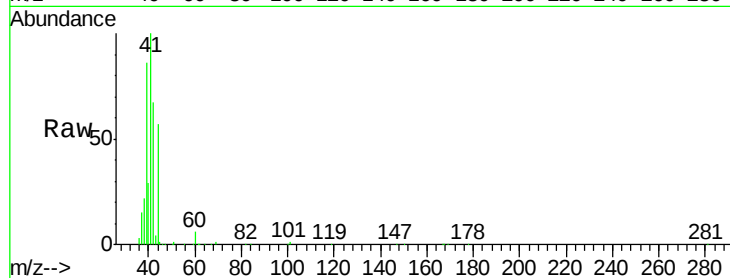
EP1-SV-1

Tgt Ion: 41 Resp: 560955

Ion Ratio Lower Upper

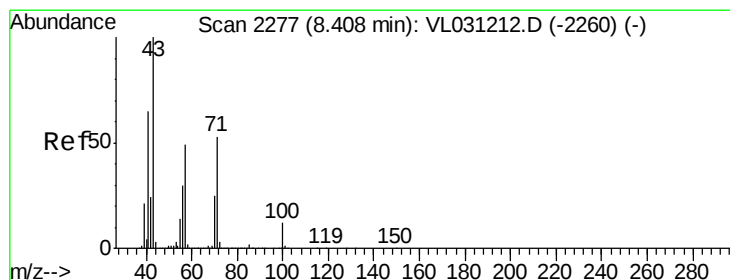
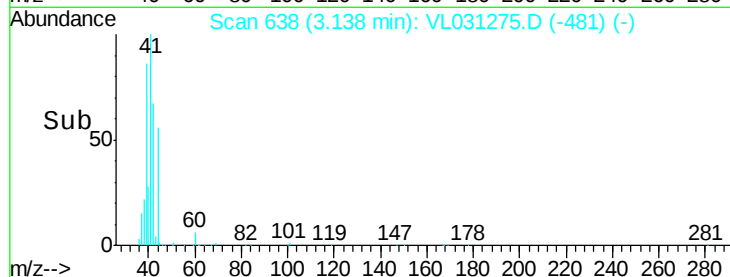
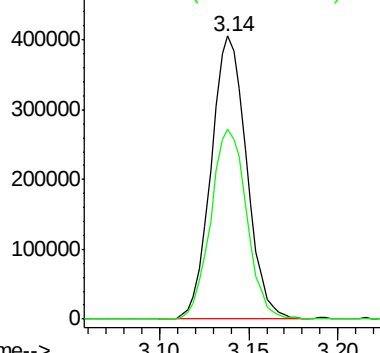
41 100

42 68.2 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.11 ppbv

RT: 8.41 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL031275.D

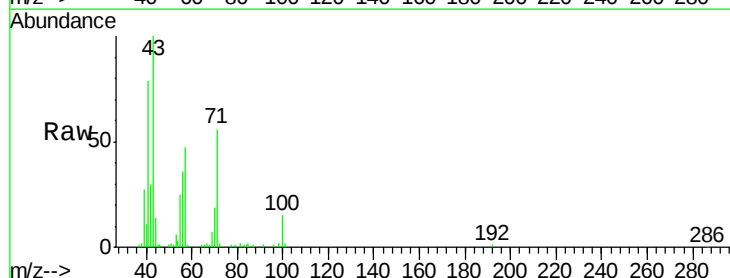
Acq: 20 Dec 2017 18:06

Tgt Ion: 43 Resp: 30986

Ion Ratio Lower Upper

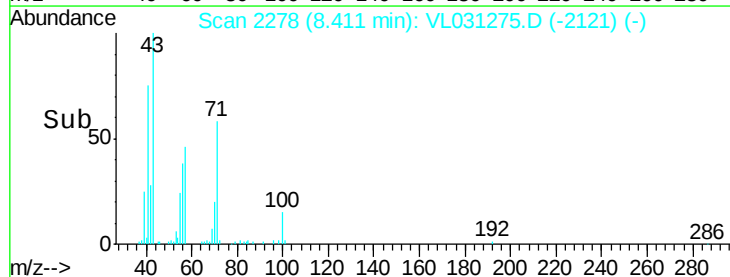
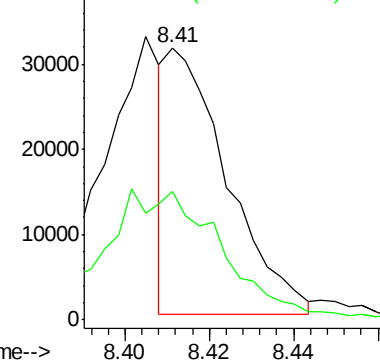
43 100

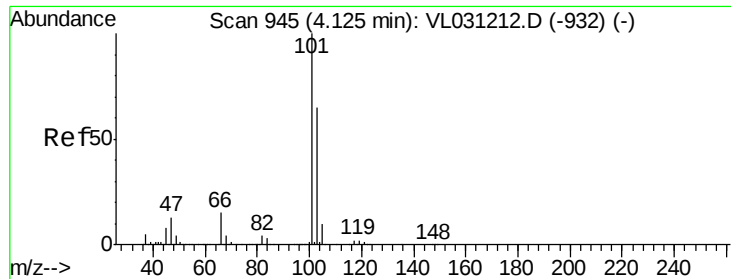
57 0.0 39.8 59.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.89 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.01 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

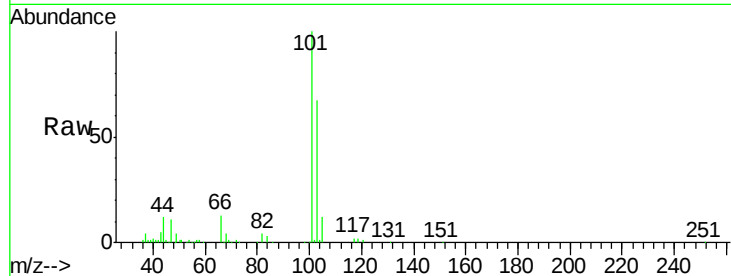
EP1-SV-1

Tgt Ion:101 Resp: 199381

Ion Ratio Lower Upper

101 100

103 67.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

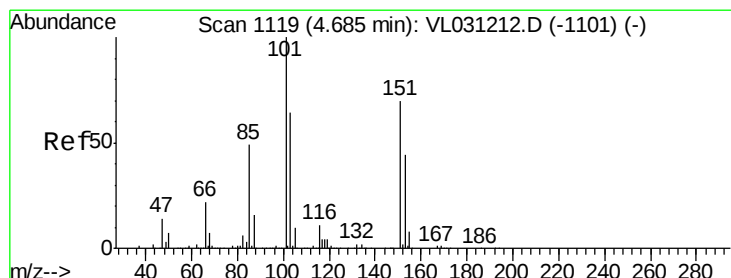
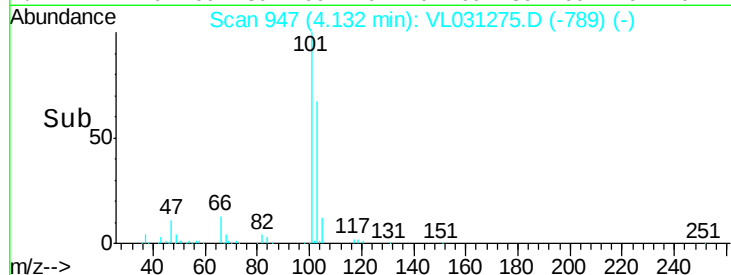
150000

100000

50000

0

Time--> 4.05 4.10 4.15



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.03 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL031275.D

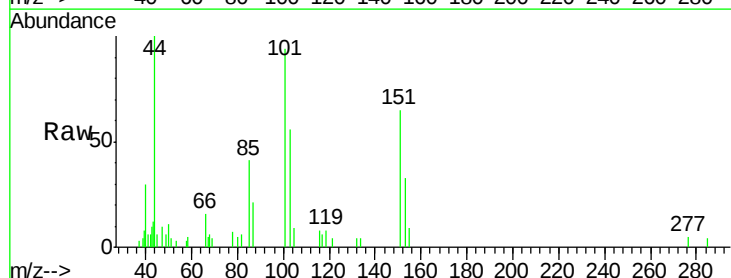
Acq: 20 Dec 2017 18:06

Tgt Ion:101 Resp: 4927

Ion Ratio Lower Upper

101 100

151 169.8 56.5 84.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

8000

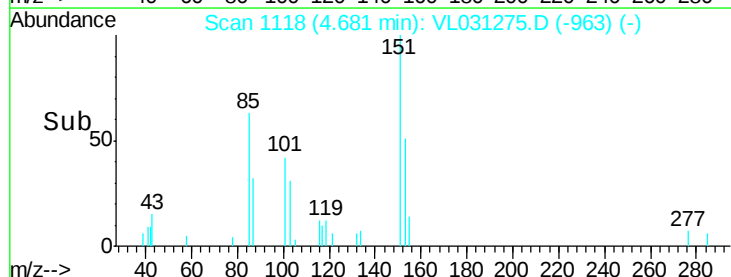
6000

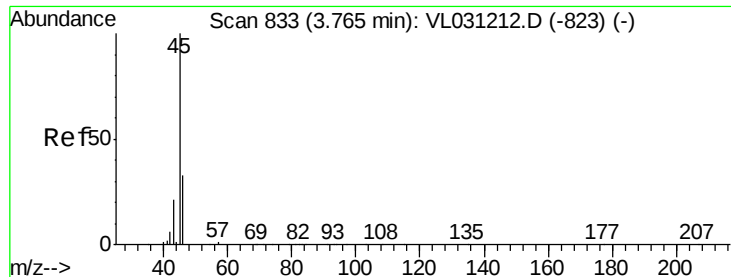
4000

2000

0

Time--> 4.66 4.68





#13

Ethanol

Concen: 8.59 ppbv

RT: 3.77 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

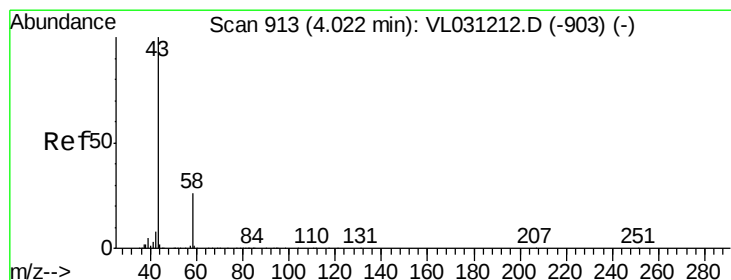
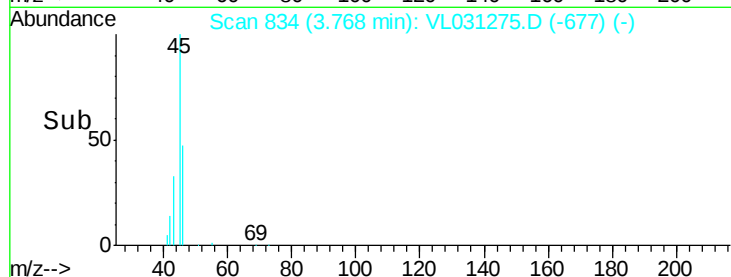
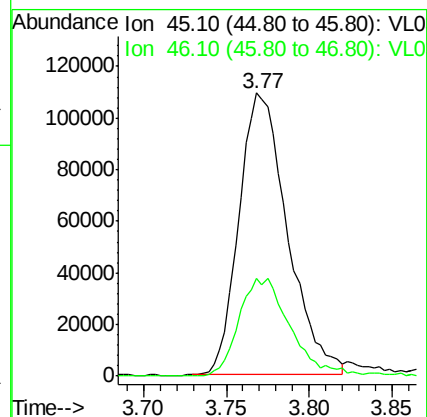
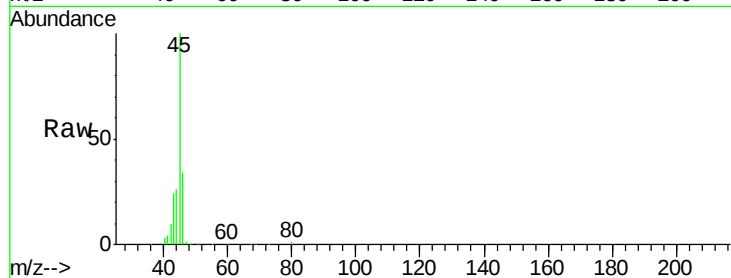
EP1-SV-1

Tgt Ion: 45 Resp: 221837

Ion Ratio Lower Upper

45 100

46 37.7 14.6 58.4



#15

Acetone

Concen: 13.49 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031275.D

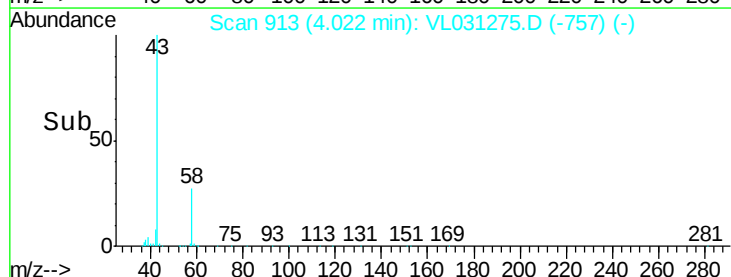
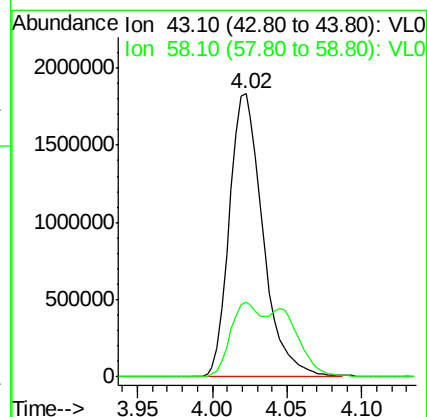
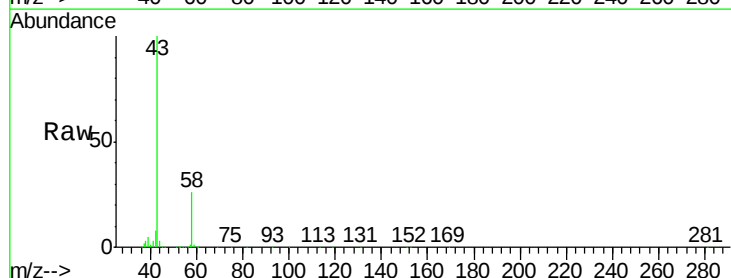
Acq: 20 Dec 2017 18:06

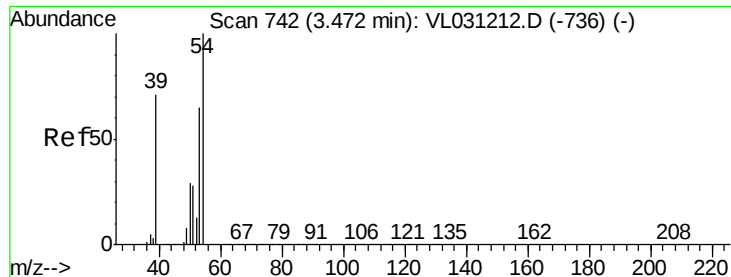
Tgt Ion: 43 Resp: 2857722

Ion Ratio Lower Upper

43 100

58 46.9 20.3 30.5#

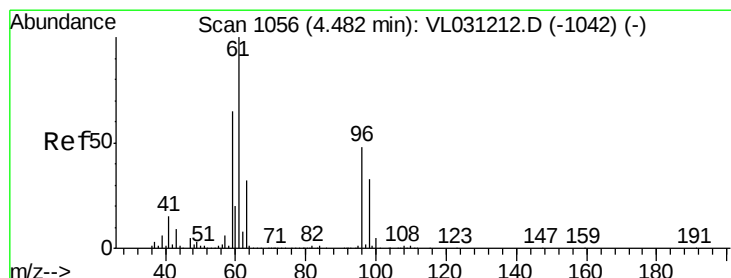
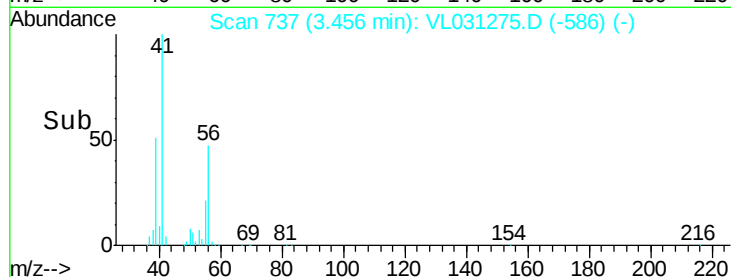
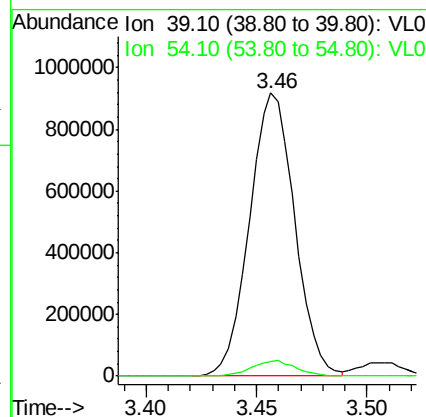
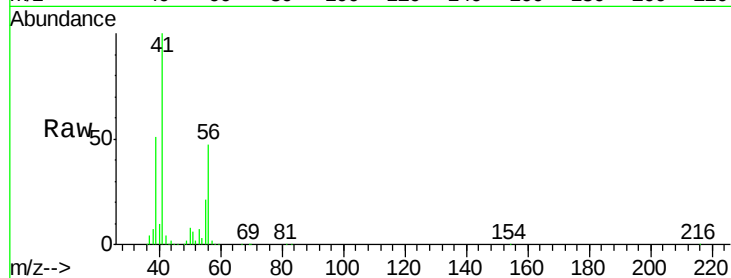




#16
 1,3-Butadiene
 Concen: 14.38 ppbv
 RT: 3.46 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

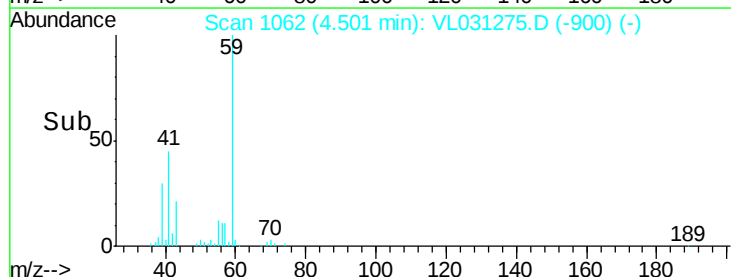
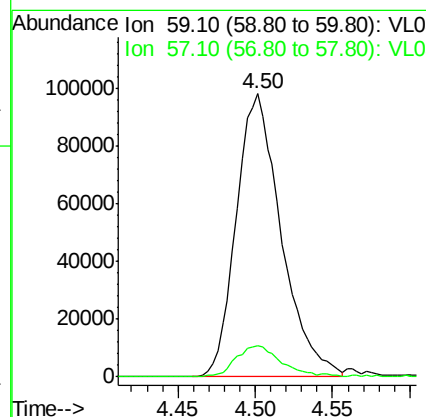
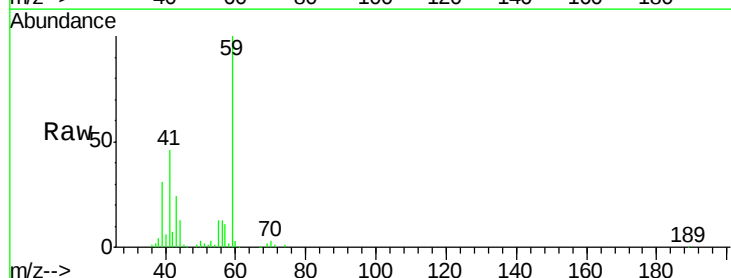
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

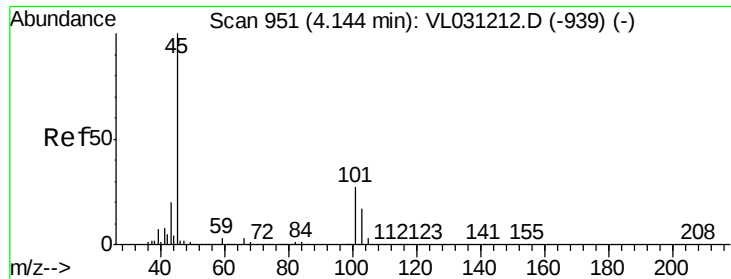
Tgt Ion: 39 Resp: 1310743
 Ion Ratio Lower Upper
 39 100
 54 5.6 66.4 99.6#



#17
 tert-Butyl alcohol
 Concen: 1.67 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. 0.02 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

Tgt Ion: 59 Resp: 198348
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.2 12.2





#19

Isopropyl Alcohol

Concen: 0.10 ppbv

RT: 4.16 min Scan# 955

Delta R.T. 0.01 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

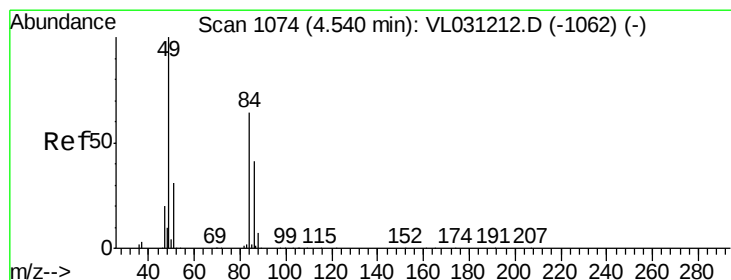
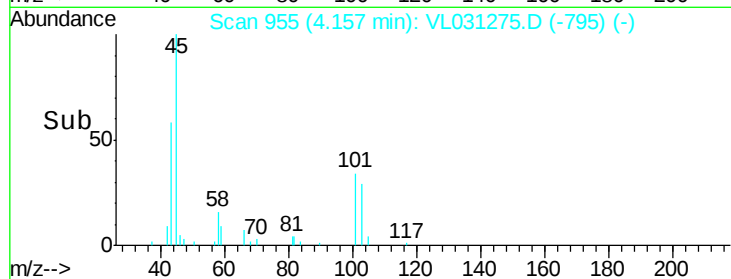
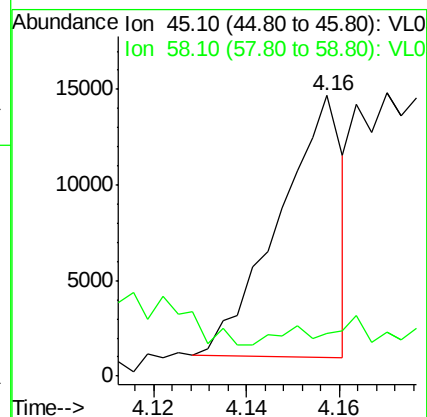
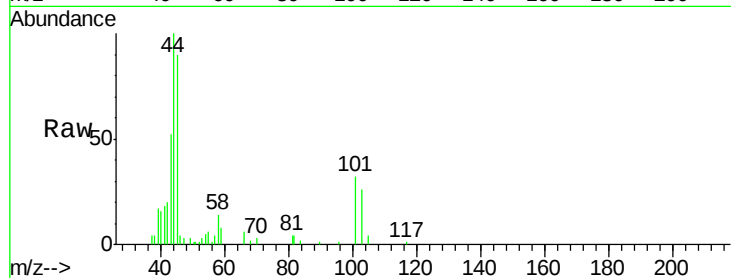
EP1-SV-1

Tgt Ion: 45 Resp: 13036

Ion Ratio Lower Upper

45 100

58 0.0 27.2 40.8#



#20

Methylene Chloride

Concen: 0.58 ppbv

RT: 4.54 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Tgt Ion: 84 Resp: 40786

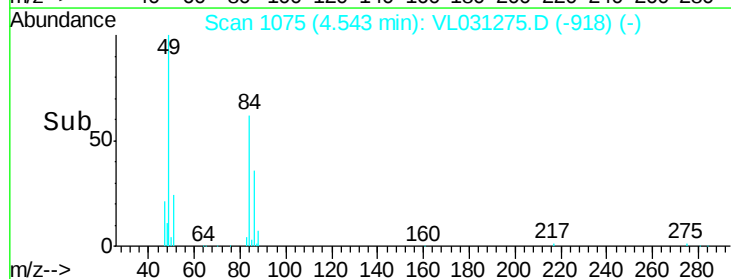
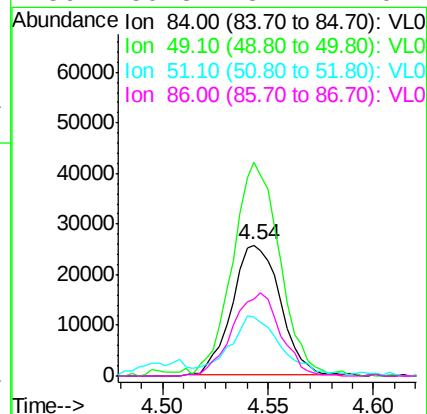
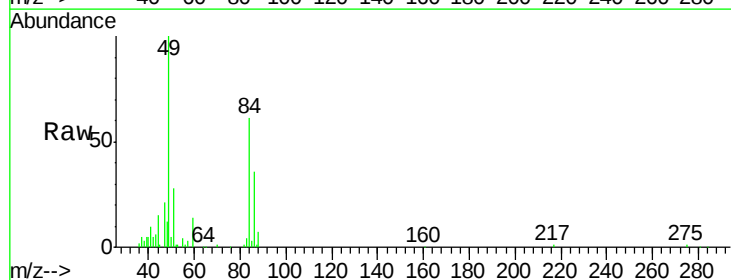
Ion Ratio Lower Upper

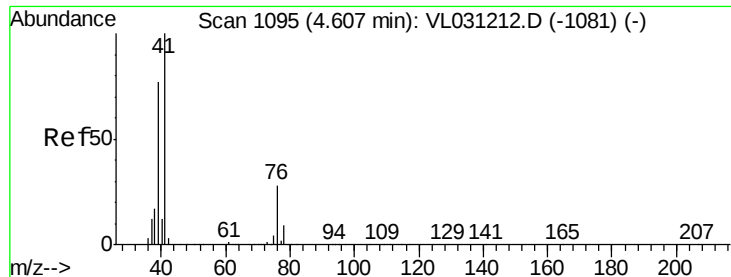
84 100

49 163.3 125.8 188.6

51 44.2 39.3 58.9

86 59.3 51.1 76.7

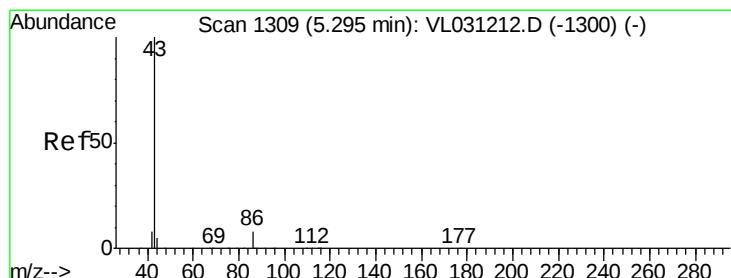
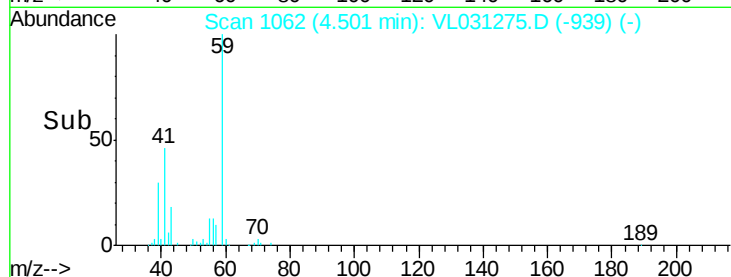
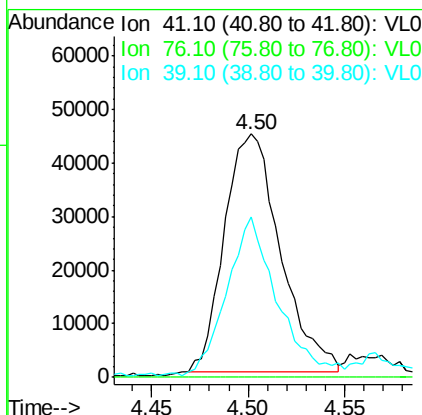
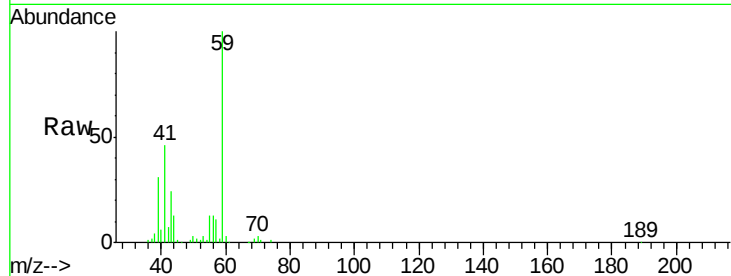




#21
 Allyl Chloride
 Concen: 0.72 ppbv
 RT: 4.50 min Scan# 1062
 Delta R.T. -0.11 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

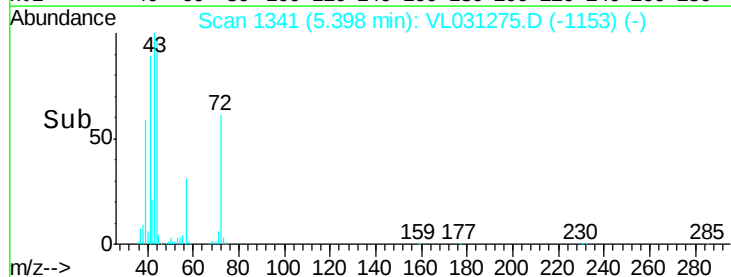
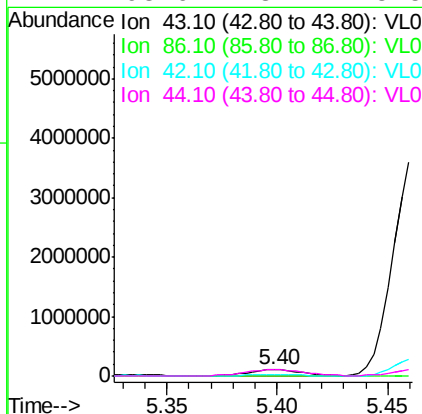
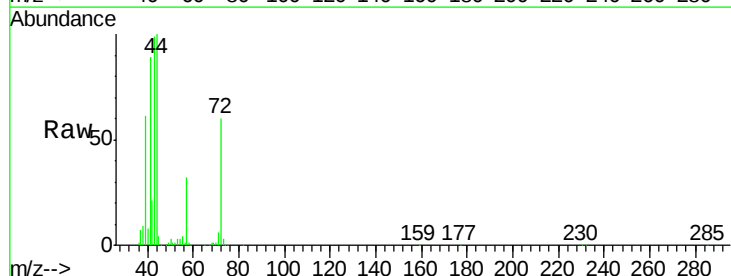
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

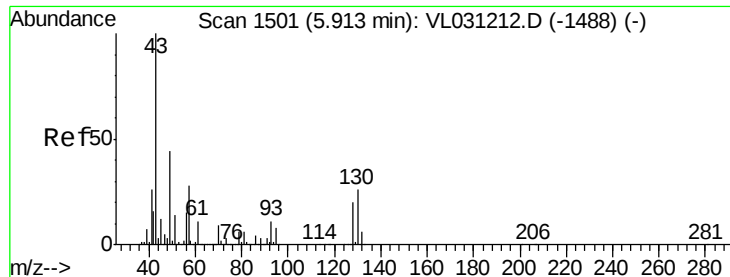
Tgt Ion: 41 Resp: 89809
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.9 34.3#
 39 60.0 62.6 93.8#



#23
 Vinyl Acetate
 Concen: 0.49 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.10 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

Tgt Ion: 43 Resp: 168793
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.9 8.9#
 42 21.0 7.3 10.9#
 44 98.6 3.7 5.5#

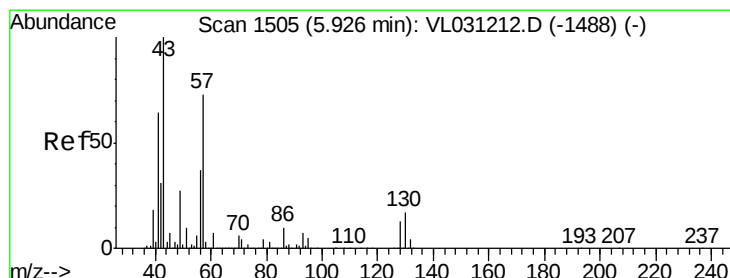
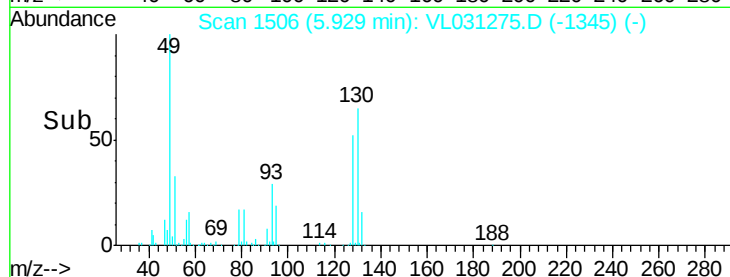
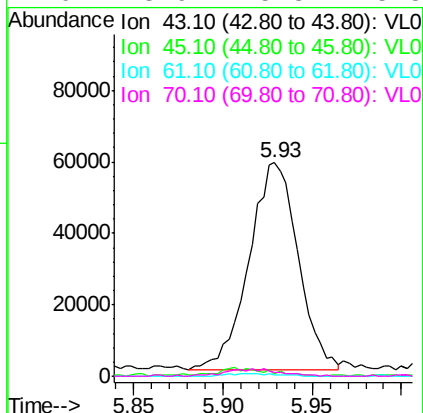
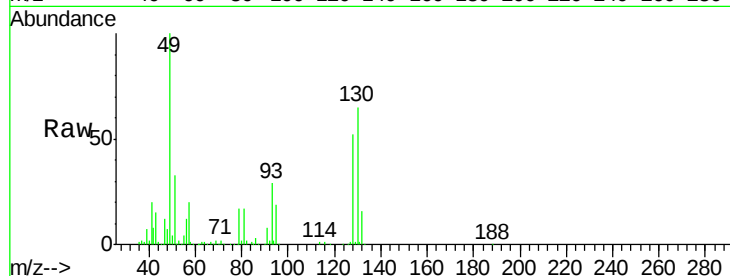




#25
Ethyl Acetate
Concen: 0.26 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

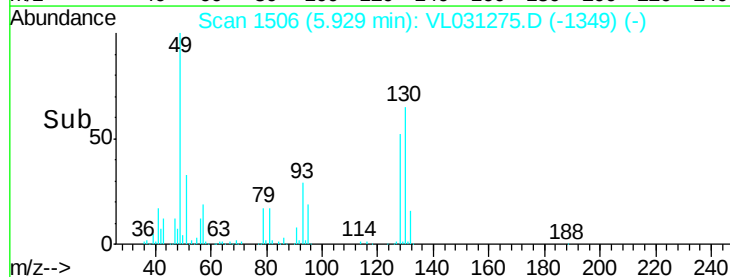
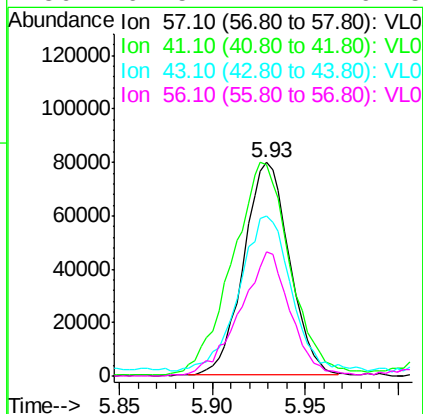
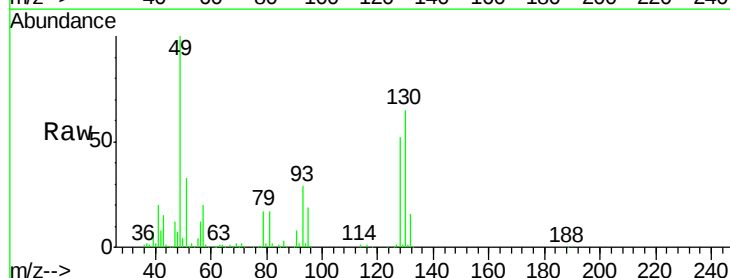
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1

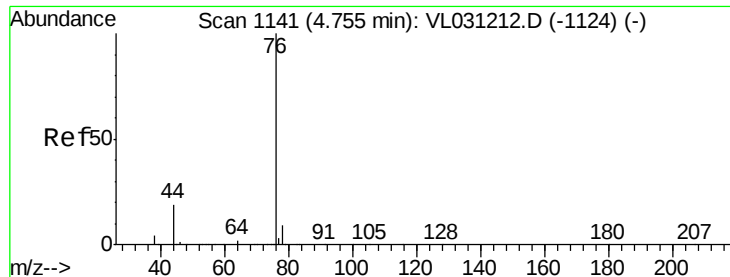
Tgt Ion:	43	Resp:	111997
Ion	Ratio	Lower	Upper
43	100		
45	3.8	8.0	12.0#
61	1.4	7.4	11.0#
70	3.9	5.8	8.8#



#26
Hexane
Concen: 0.67 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

Tgt Ion:	57	Resp:	137526
Ion	Ratio	Lower	Upper
57	100		
41	125.9	70.3	105.5#
43	0.0	173.8	260.8#
56	64.5	41.7	62.5#





#27

Carbon Disulfide

Concen: 0.07 ppbv

RT: 4.76 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-1

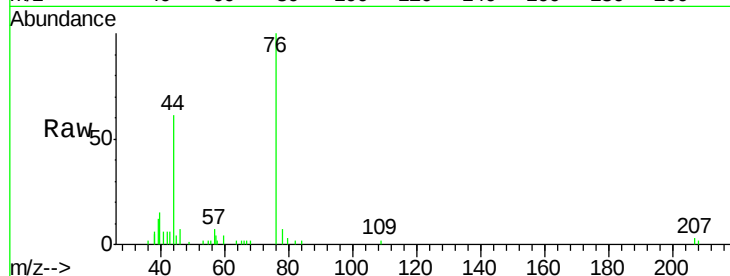
Tgt Ion: 76 Resp: 15171

Ion Ratio Lower Upper

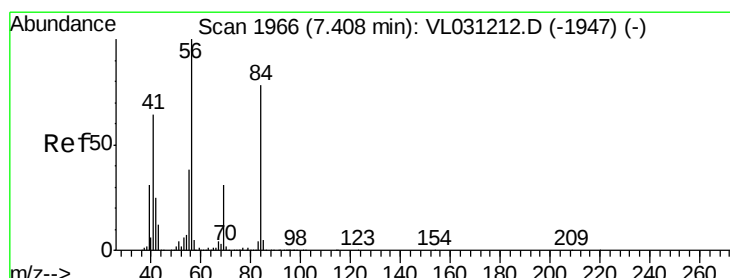
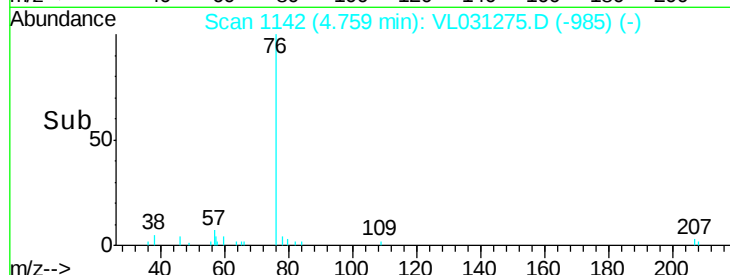
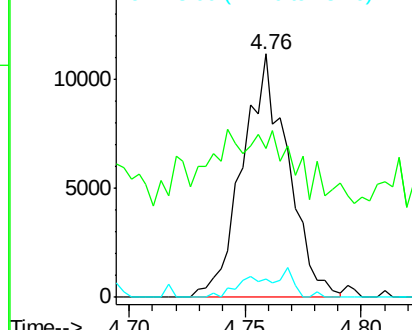
76 100

44 62.2 16.0 24.0#

78 10.1 7.5 11.3



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



#30

Cyclohexane

Concen: 0.06 ppbv

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

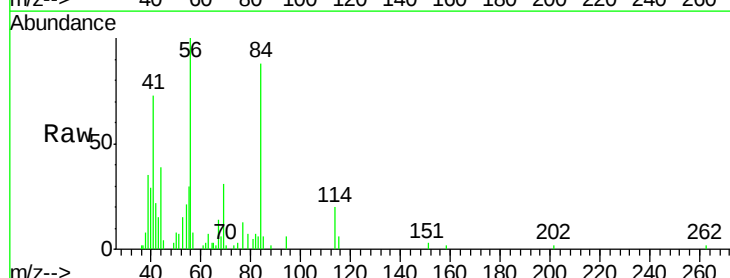
Tgt Ion: 84 Resp: 10510

Ion Ratio Lower Upper

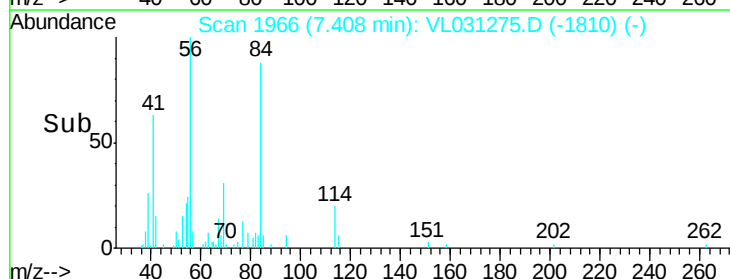
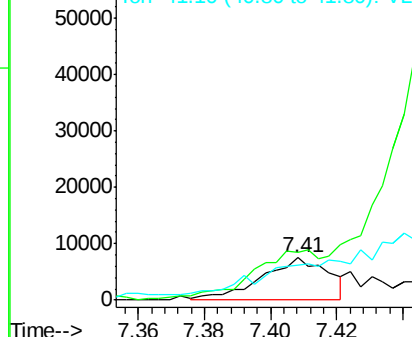
84 100

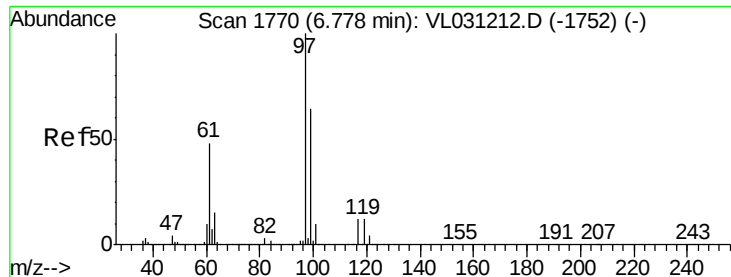
56 0.0 108.0 162.0#

41 0.0 66.2 99.4#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv

RT: 6.78 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-1

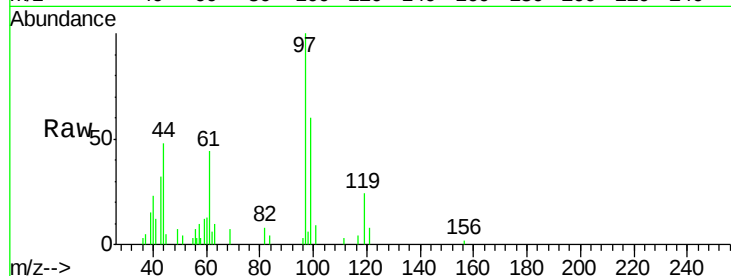
Tgt Ion: 97 Resp: 11703

Ion Ratio Lower Upper

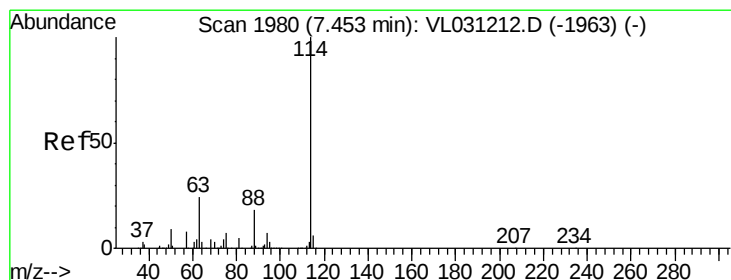
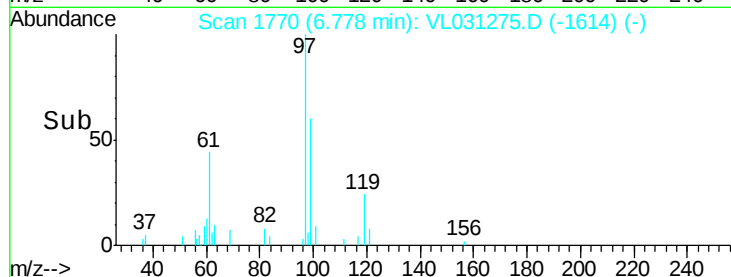
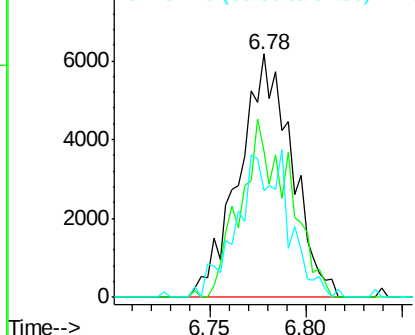
97 100

99 67.8 51.4 77.0

61 57.3 38.4 57.6



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: 10.00 ppbv

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

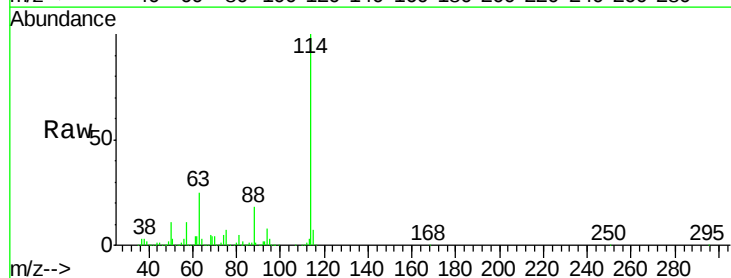
Tgt Ion: 114 Resp: 3674684

Ion Ratio Lower Upper

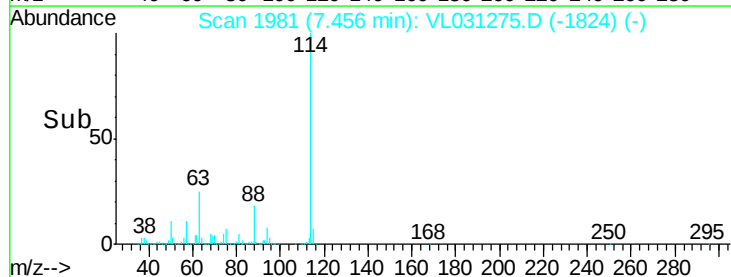
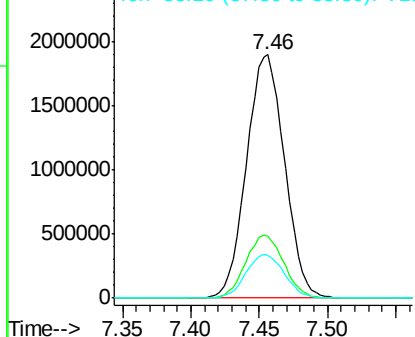
114 100

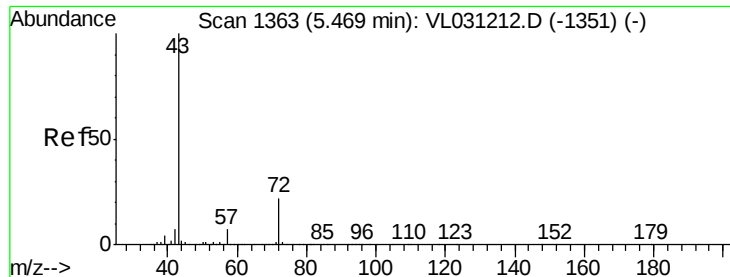
63 26.0 19.8 29.8

88 18.2 14.2 21.4



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

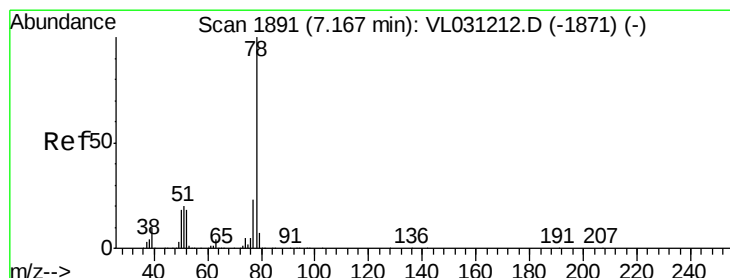
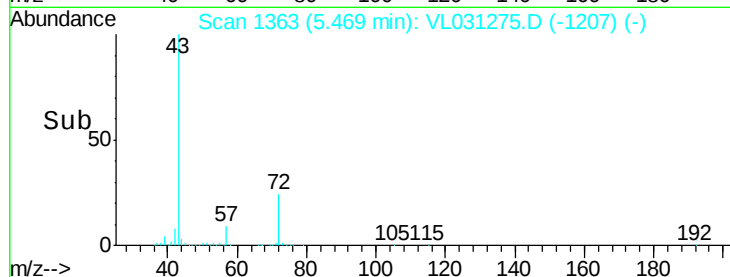
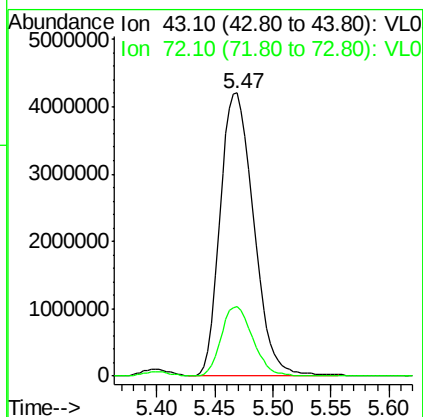
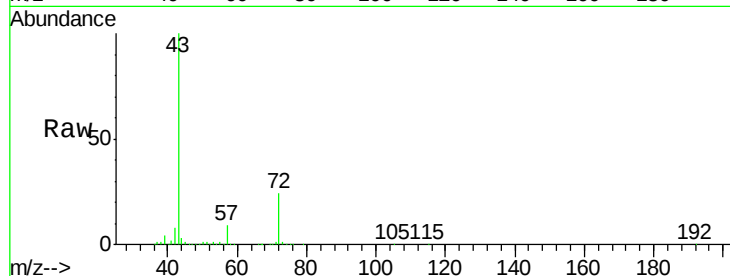




#34
2-Butanone
Concen: 32.51 ppbv
RT: 5.47 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

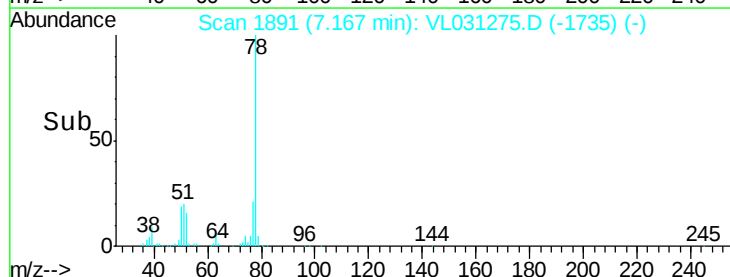
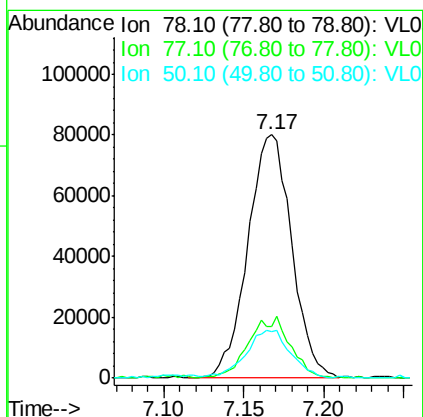
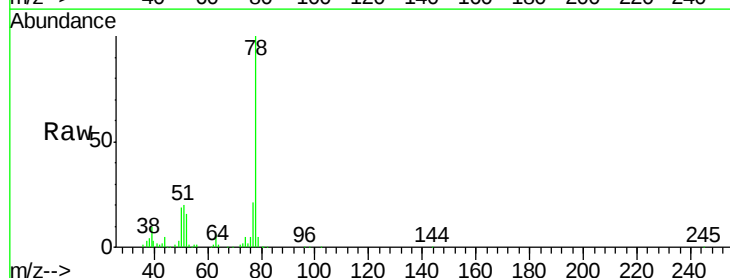
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1

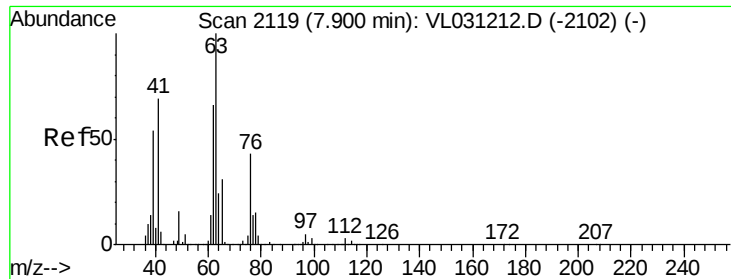
Tgt Ion: 43 Resp: 8436307
Ion Ratio Lower Upper
43 100
72 23.7 18.1 27.1



#36
Benzene
Concen: 0.39 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

Tgt Ion: 78 Resp: 150529
Ion Ratio Lower Upper
78 100
77 20.9 18.1 27.1
50 18.6 14.6 21.8

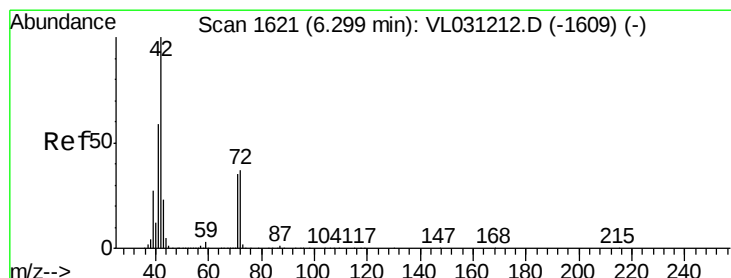
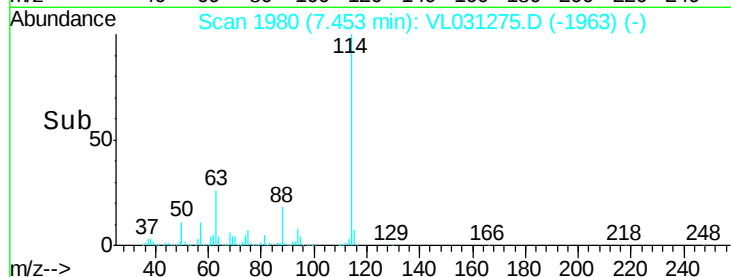
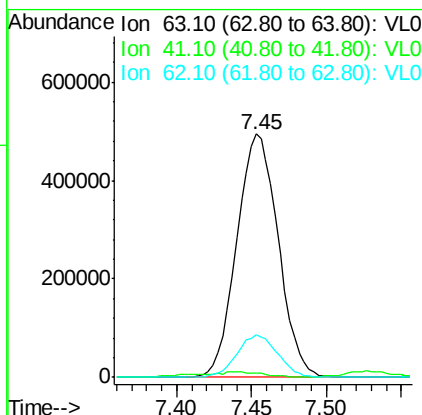
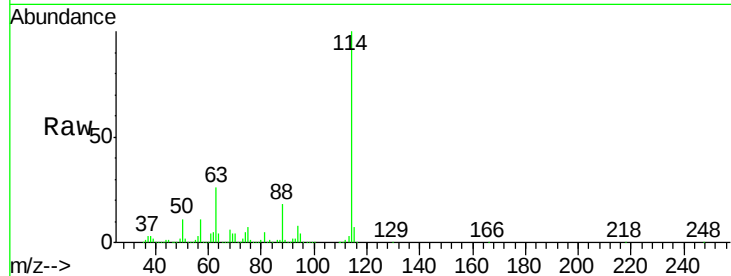




#39
 1,2-Dichloropropane
 Concen: 6.90 ppbv
 RT: 7.45 min Scan# 1980
 Delta R.T. -0.45 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

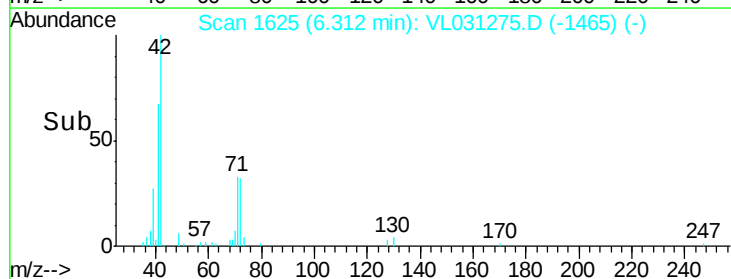
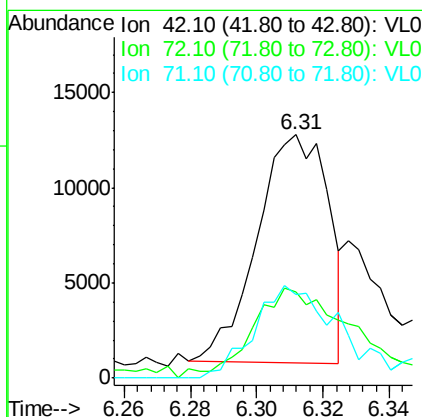
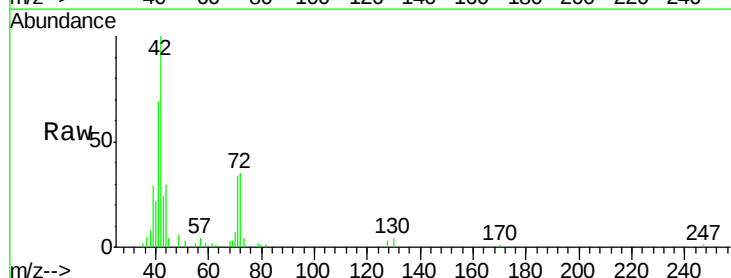
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

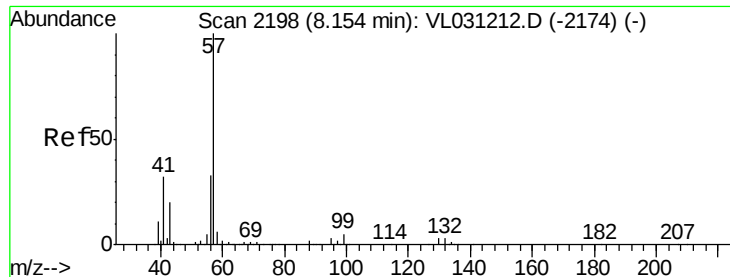
Tgt Ion: 63 Resp: 949718
 Ion Ratio Lower Upper
 63 100
 41 0.9 55.2 82.8#
 62 17.7 53.0 79.4#



#41
 Tetrahydrofuran
 Concen: 0.12 ppbv
 RT: 6.31 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

Tgt Ion: 42 Resp: 17946
 Ion Ratio Lower Upper
 42 100
 72 62.1 30.2 45.4#
 71 50.7 29.0 43.6#





#44

2,2,4-Trimethylpentane

Concen: 0.12 ppbv

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-1

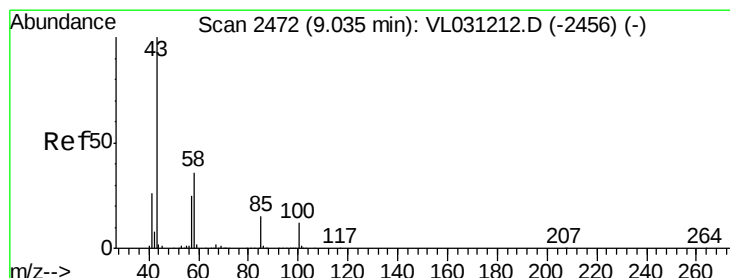
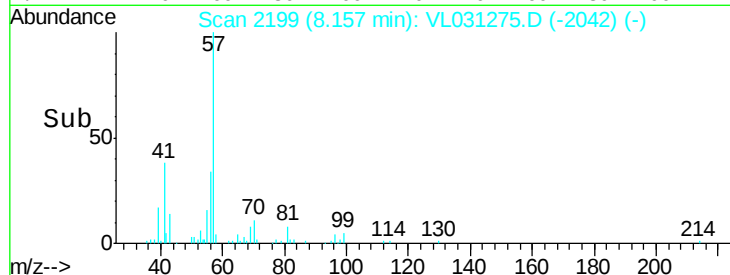
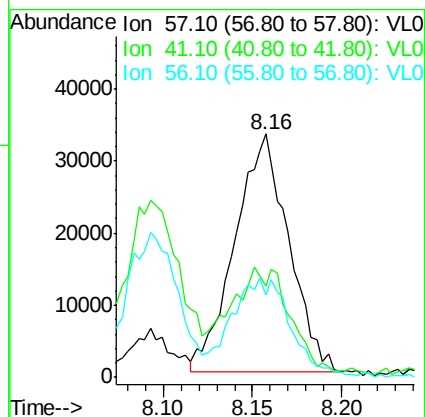
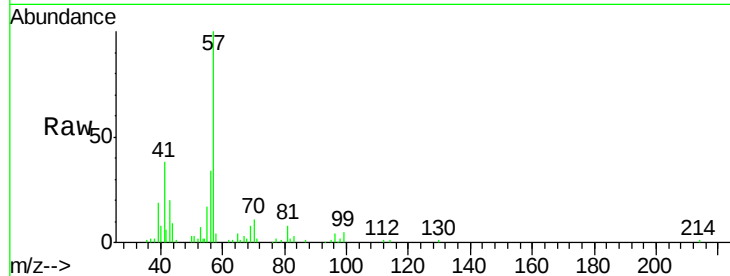
Tgt Ion: 57 Resp: 69039

Ion Ratio Lower Upper

57 100

41 52.9 25.5 38.3#

56 46.7 25.0 37.6#



#50

4-Methyl-2-Pentanone

Concen: 0.03 ppbv

RT: 9.05 min Scan# 2477

Delta R.T. 0.02 min

Lab File: VL031275.D

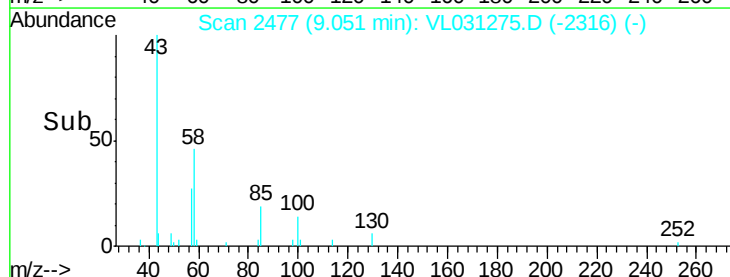
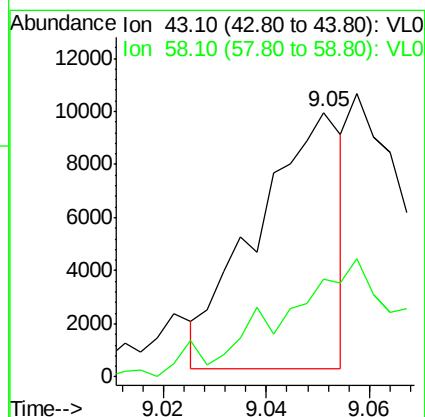
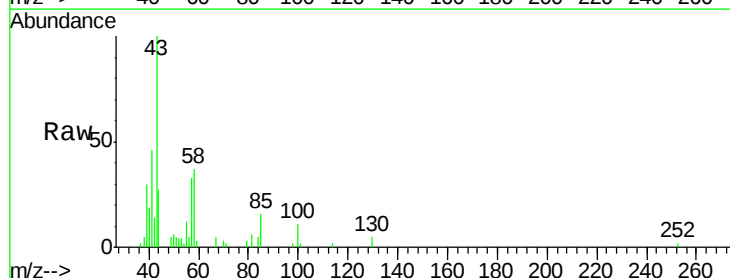
Acq: 20 Dec 2017 18:06

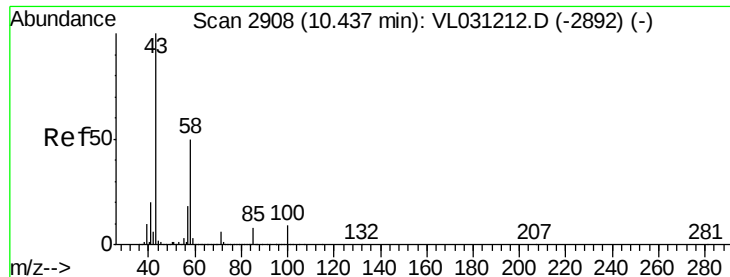
Tgt Ion: 43 Resp: 11113

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#

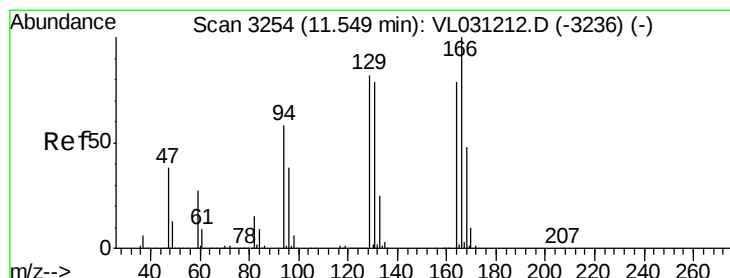
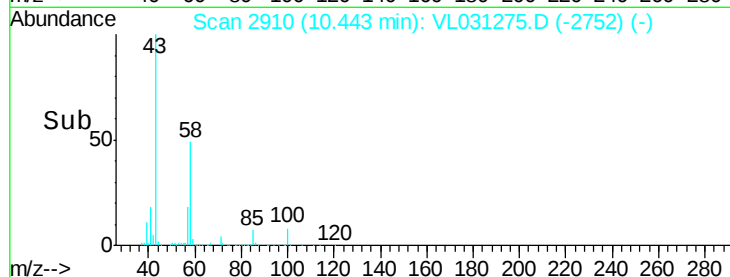
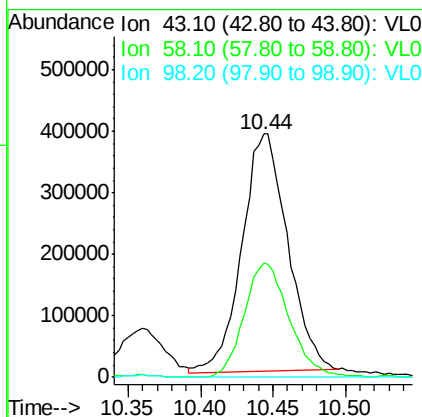
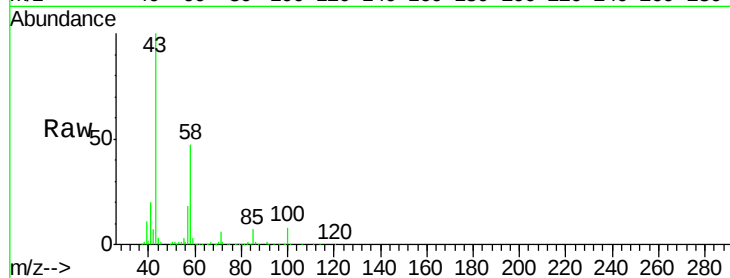




#51
2-Hexanone
Concen: 2.80 ppbv
RT: 10.44 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

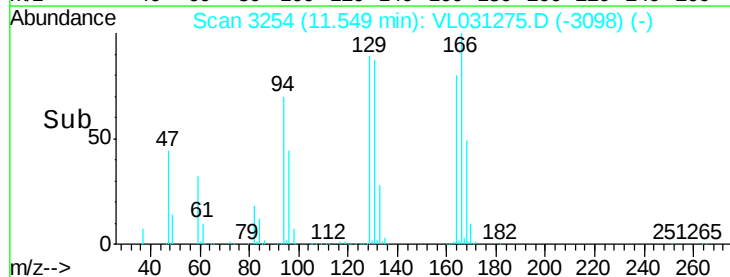
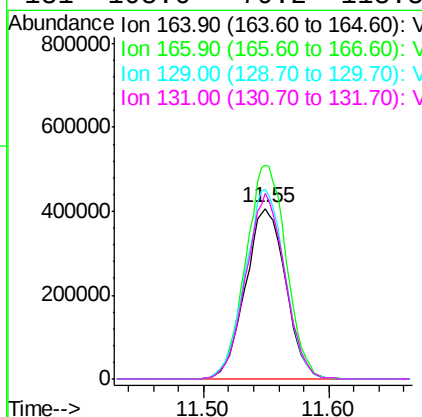
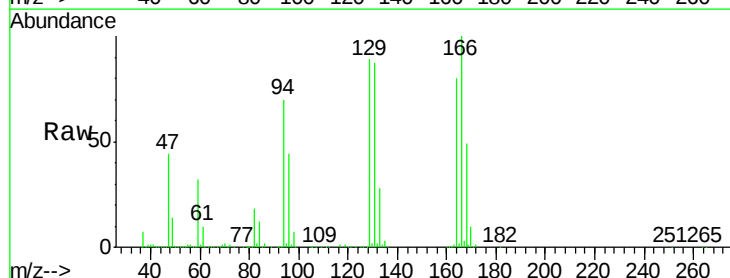
Instrument :
MSVOA_L
ClientSampled :
EP1-SV-1

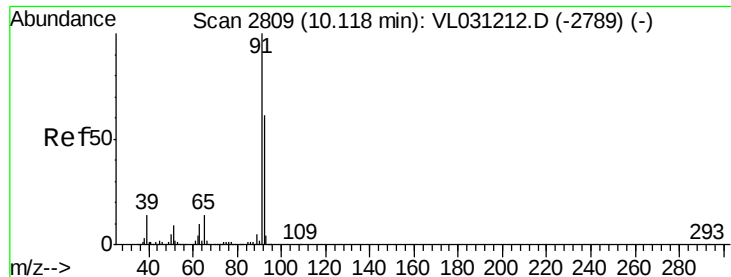
Tgt Ion: 43 Resp: 848487
Ion Ratio Lower Upper
43 100
58 47.6 39.8 59.6
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 6.29 ppbv
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

Tgt Ion: 164 Resp: 903729
Ion Ratio Lower Upper
164 100
166 125.1 100.6 151.0
129 111.0 82.9 124.3
131 108.6 79.2 118.8





#53

Toluene

Concen: 19.71 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

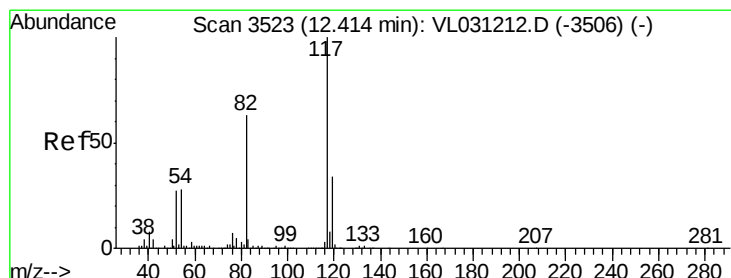
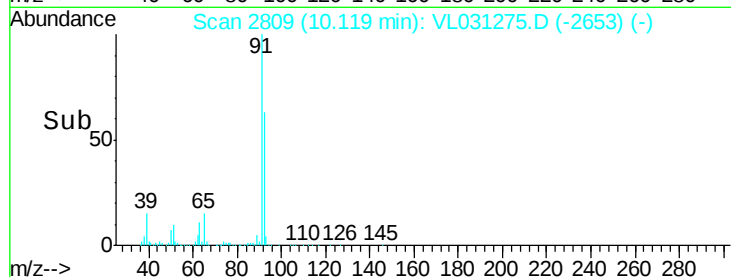
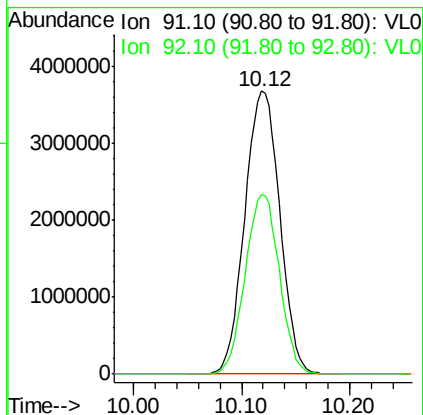
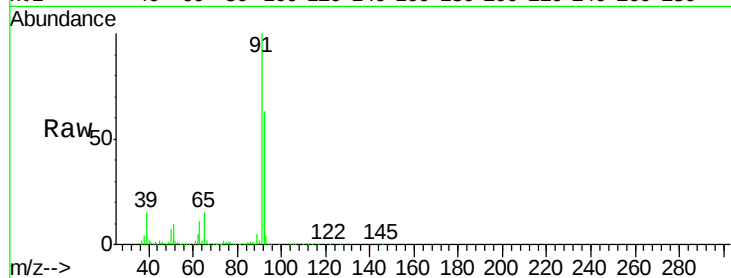
EP1-SV-1

Tgt Ion: 91 Resp: 8327459

Ion Ratio Lower Upper

91 100

92 62.1 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3523

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

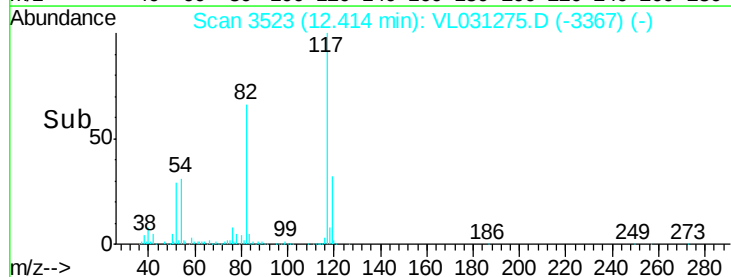
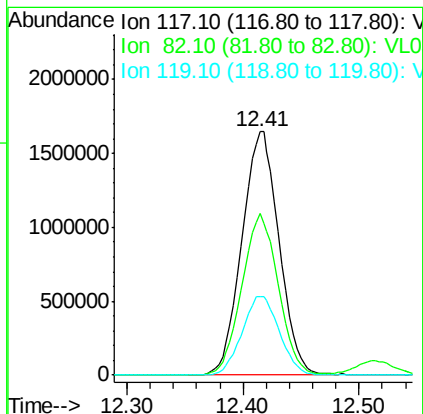
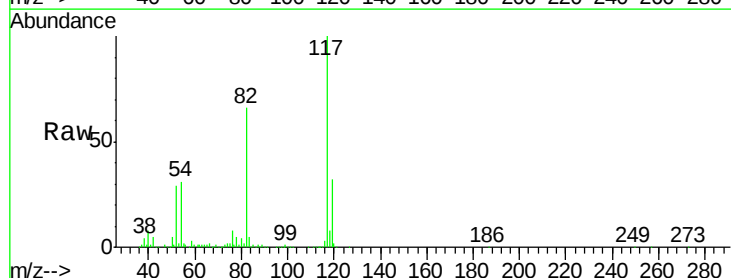
Tgt Ion: 117 Resp: 3672610

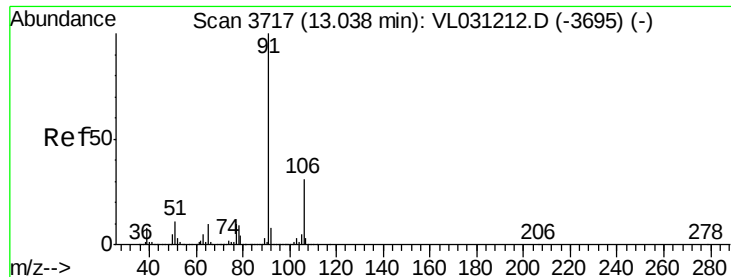
Ion Ratio Lower Upper

117 100

82 65.0 48.1 72.1

119 32.7 23.1 34.7





#58

Ethyl Benzene

Concen: 0.82 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

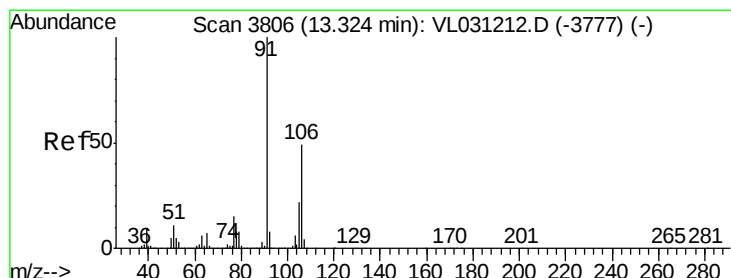
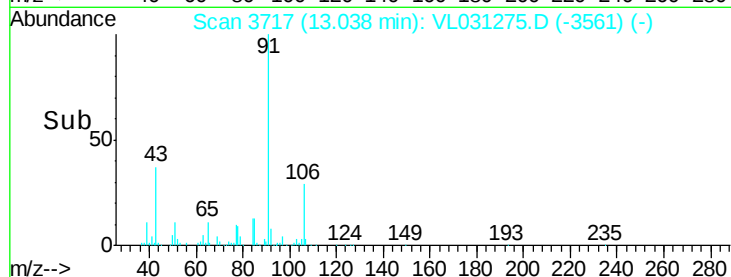
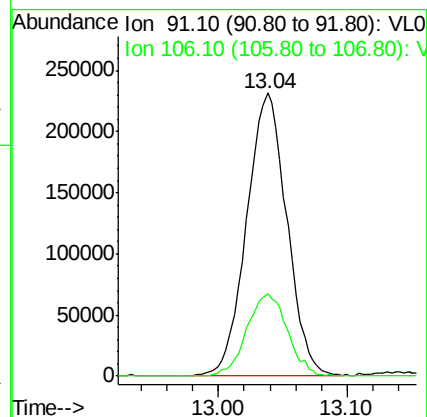
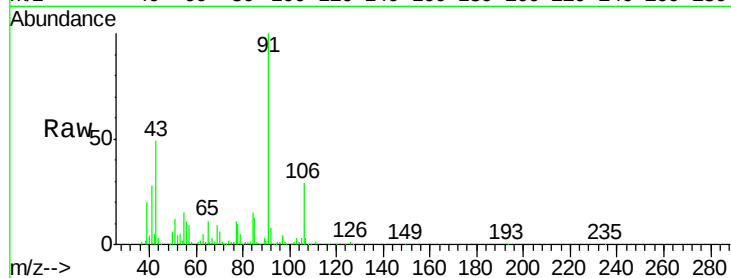
EP1-SV-1

Tgt Ion: 91 Resp: 499376

Ion Ratio Lower Upper

91 100

106 29.4 25.1 37.7



#59

m/p-Xylene

Concen: 2.57 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.03 min

Lab File: VL031275.D

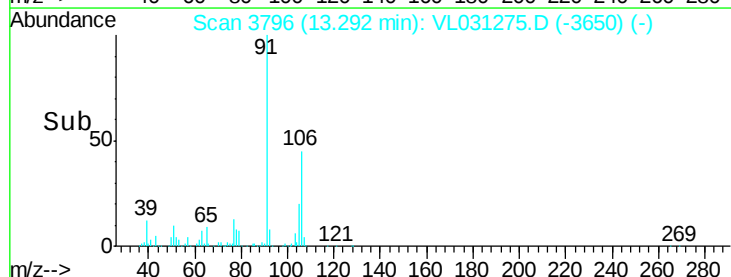
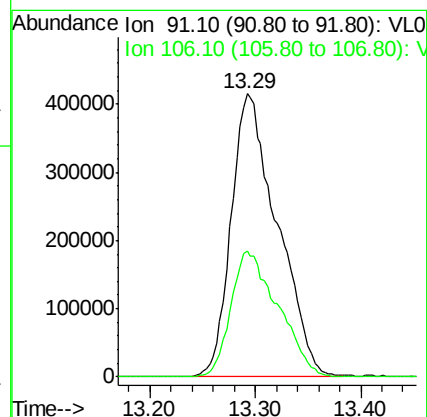
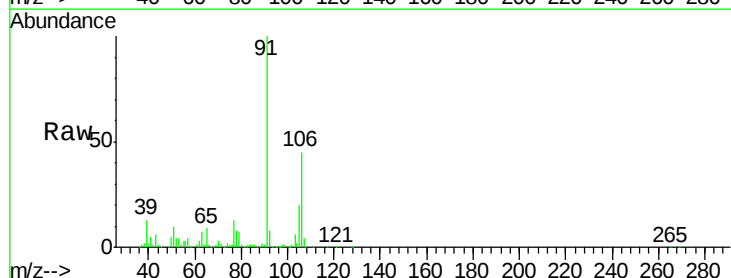
Acq: 20 Dec 2017 18:06

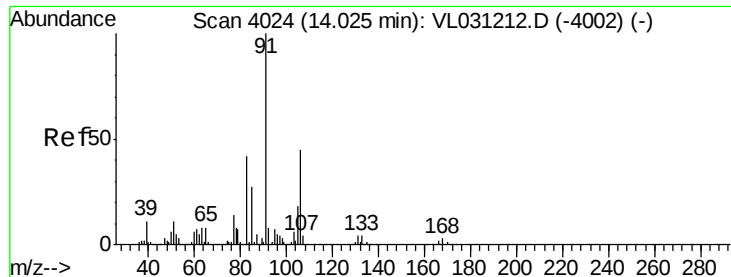
Tgt Ion: 91 Resp: 1248533

Ion Ratio Lower Upper

91 100

106 45.9 38.5 57.7





#60

o-Xylene

Concen: 0.94 ppbv

RT: 14.02 min Scan# 4023

Delta R.T. -0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Instrument :

MSVOA_L

ClientSampleId :

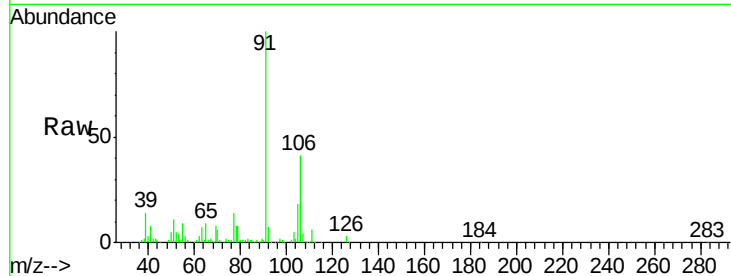
EP1-SV-1

Tgt Ion: 91 Resp: 458279

Ion Ratio Lower Upper

91 100

106 44.4 22.7 68.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

250000

200000

150000

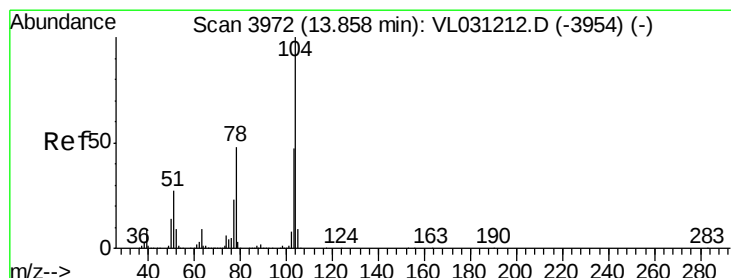
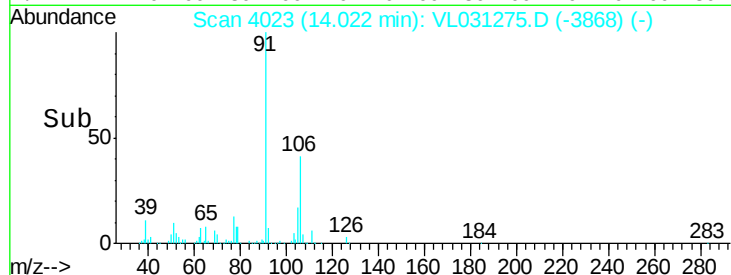
100000

50000

0

13.95 14.00 14.05 14.10

Time-->



#61

Styrene

Concen: 0.17 ppbv

RT: 13.86 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

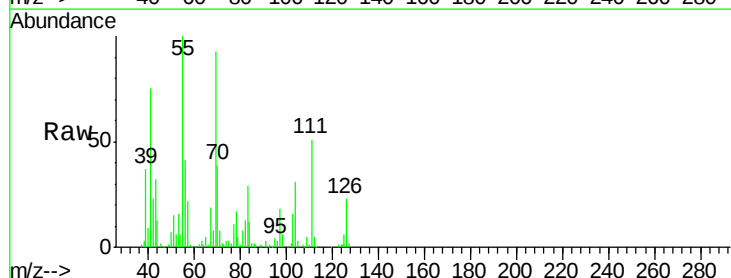
Tgt Ion: 104 Resp: 23613

Ion Ratio Lower Upper

104 100

78 143.4 39.1 58.7#

103 110.1 37.3 55.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

30000

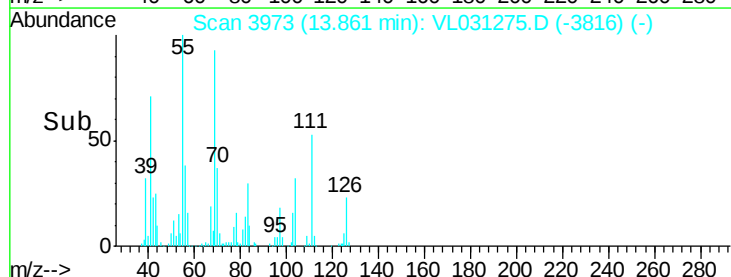
20000

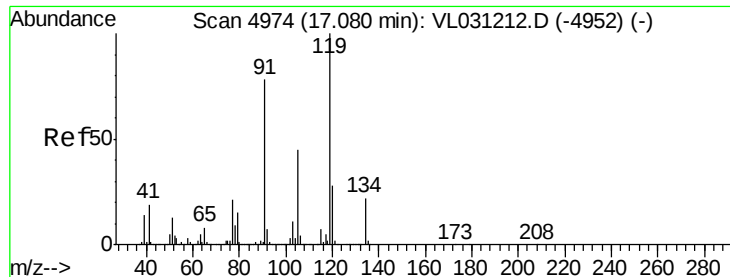
10000

0

13.85 13.86 13.87 13.88 13.89 13.90

Time-->

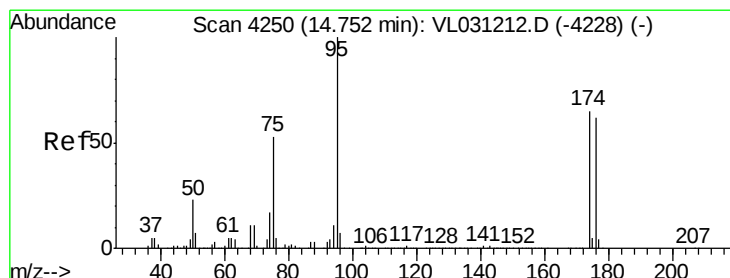
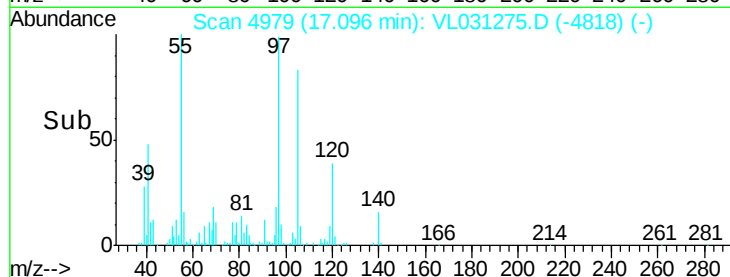
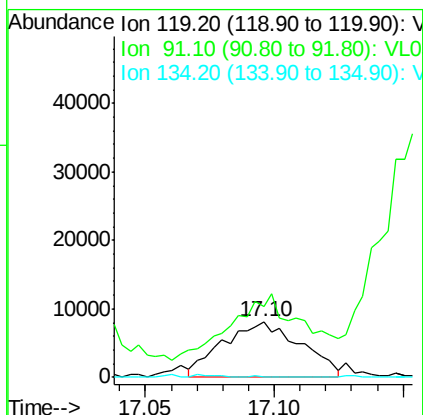
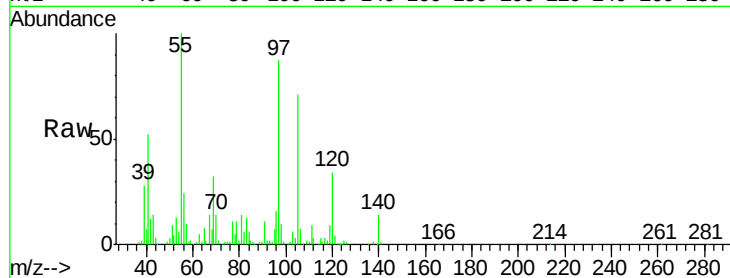




#65
 tert-Butylbenzene
 Concen: 0.03 ppbv
 RT: 17.10 min Scan# 4979
 Delta R.T. 0.02 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

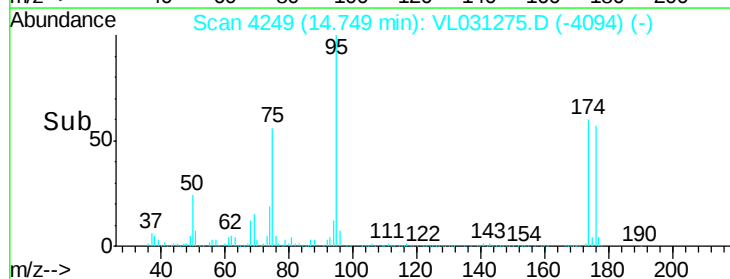
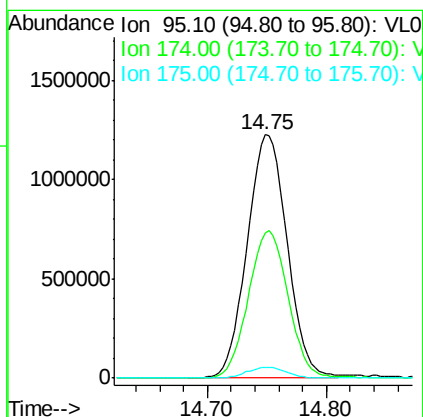
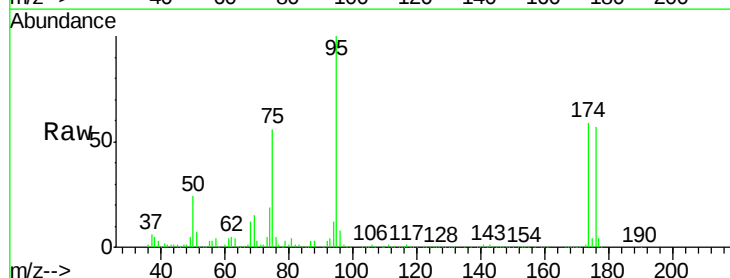
Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

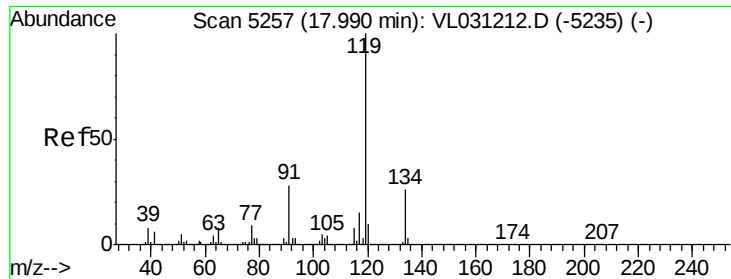
Tgt Ion: 119 Resp: 17076
 Ion Ratio Lower Upper
 119 100
 91 142.5 63.3 94.9#
 134 0.0 16.1 24.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.93 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

Tgt Ion: 95 Resp: 2854283
 Ion Ratio Lower Upper
 95 100
 174 60.6 52.5 78.7
 175 4.5 4.1 6.1

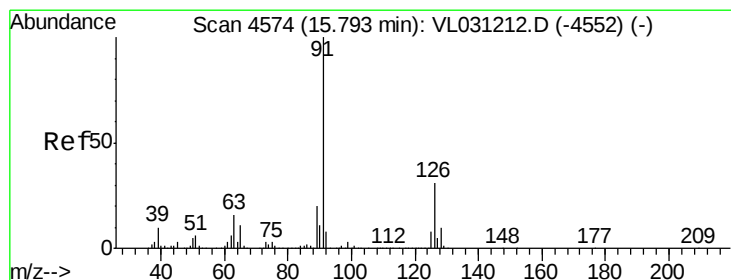
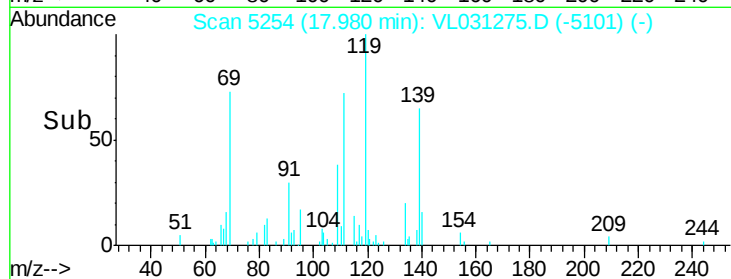
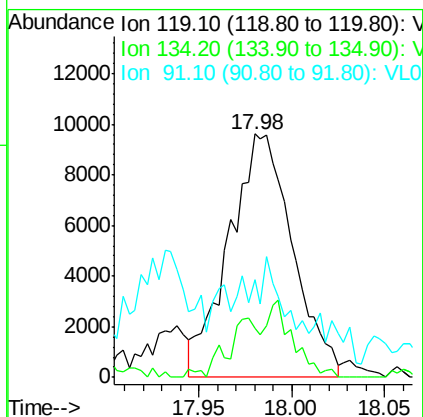
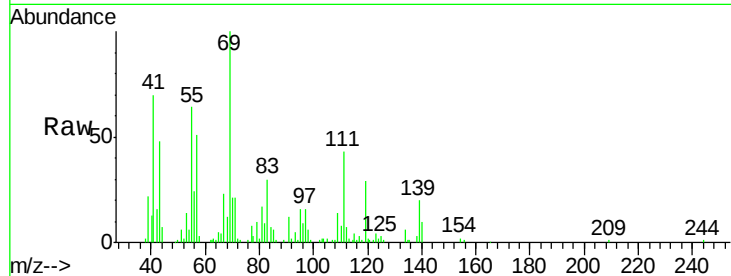




#69
p-Isopropyltoluene
Concen: 0.04 ppbv
RT: 17.98 min Scan# 5254
Delta R.T. -0.01 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

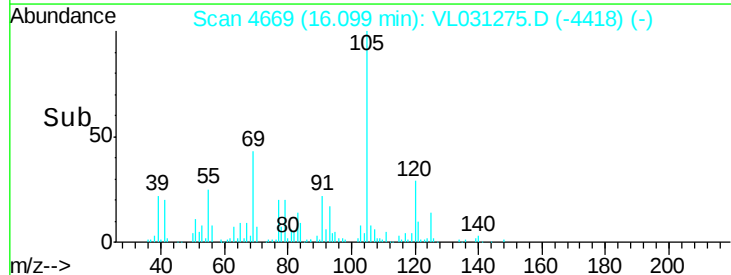
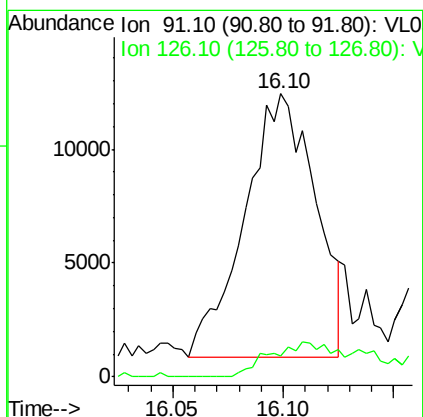
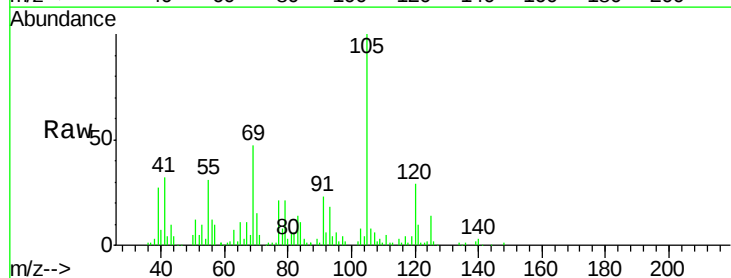
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1

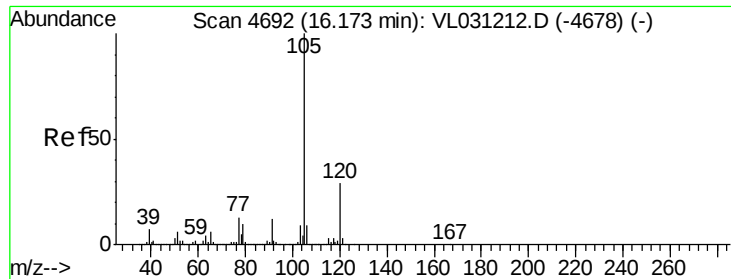
Tgt Ion: 119 Resp: 22908
Ion Ratio Lower Upper
119 100
134 25.5 20.7 31.1
91 42.5 22.3 33.5#



#71
2-Chlorotoluene
Concen: 0.05 ppbv
RT: 16.10 min Scan# 4669
Delta R.T. 0.31 min
Lab File: VL031275.D
Acq: 20 Dec 2017 18:06

Tgt Ion: 91 Resp: 25757
Ion Ratio Lower Upper
91 100
126 18.7 12.6 50.6





#72

4-Ethyltoluene

Concen: 0.12 ppbv

RT: 16.17 min Scan# 4692

Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

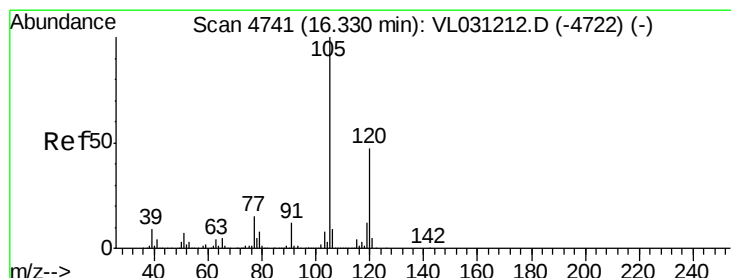
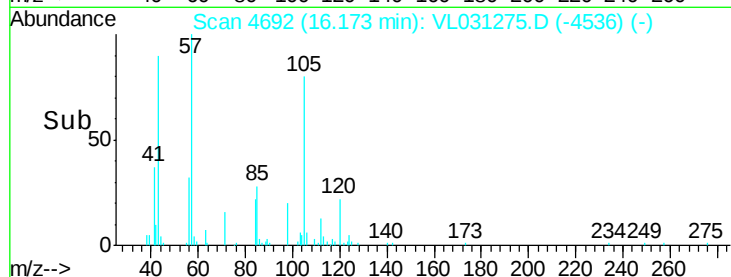
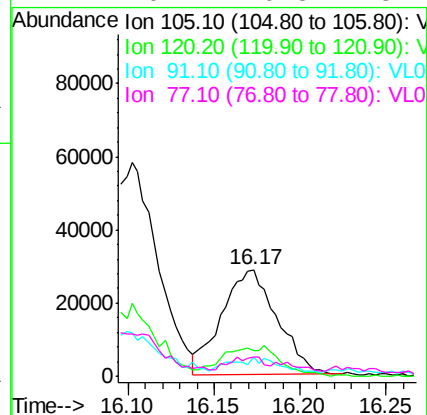
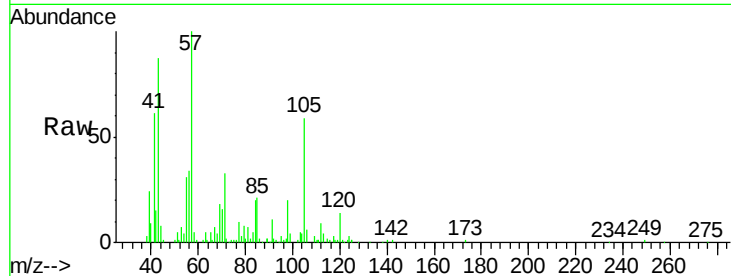
Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-1

Tgt Ion:	105	Resp:	64323
Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.2	36.2
91	19.1	9.8	14.8#
77	16.1	10.5	15.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.06 ppbv

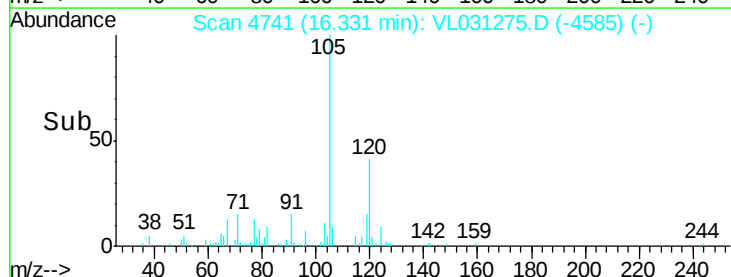
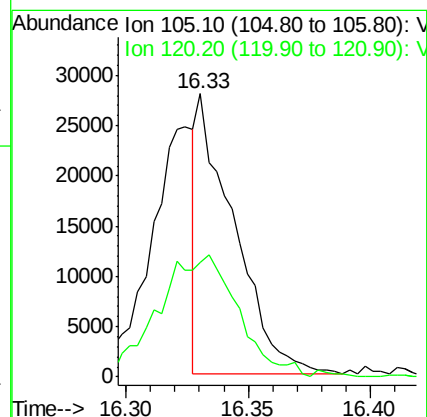
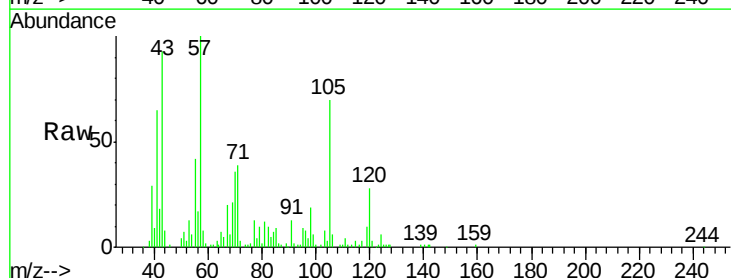
RT: 16.33 min Scan# 4741

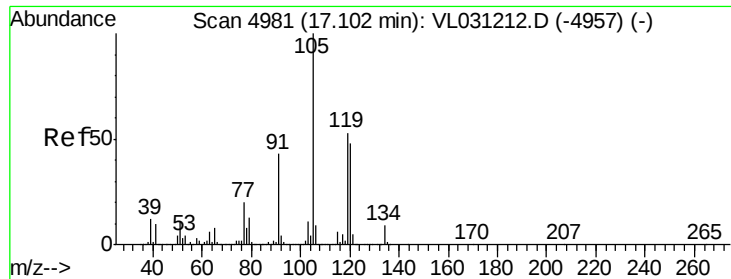
Delta R.T. 0.00 min

Lab File: VL031275.D

Acq: 20 Dec 2017 18:06

Tgt Ion:	105	Resp:	29030
Ion	Ratio	Lower	Upper
105	100		
120	43.9	37.8	56.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.14 ppbv
 RT: 17.10 min Scan# 4980
 Delta R.T. -0.00 min
 Lab File: VL031275.D
 Acq: 20 Dec 2017 18:06

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1

Tgt Ion:	105	Resp:	67901
Ion	Ratio	Lower	Upper
105	100		
120	44.2	38.6	58.0
91	3.0	34.2	51.4#
77	3.9	16.1	24.1#

