

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031270.D
 Acq On : 20 Dec 2017 14:46
 Operator : SY/AP
 Sample : I6960-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

Quant Time: Dec 21 08:35:29 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	1675681	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	3966707	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3731661	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2890656	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

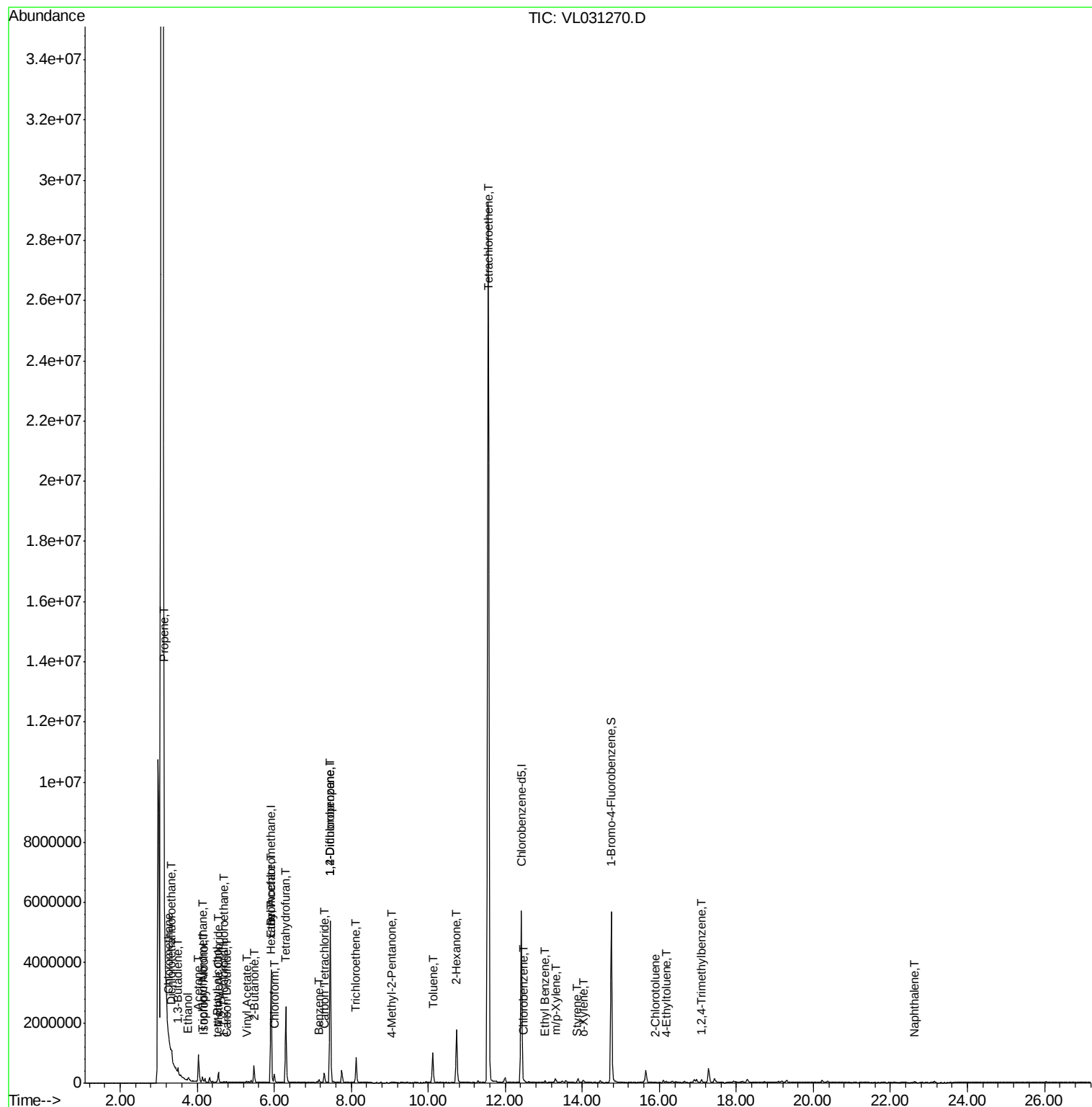
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.28	50	19116	0.19	ppbv	99
8) Dichlorotetrafluoroethane	3.32	85	76088	0.39	ppbv	92
9) Propene	3.14	41	24248	0.26	ppbv	100
11) Trichlorofluoromethane	4.14	101	114946	0.49	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.70	101	12076	0.07	ppbv	97
13) Ethanol	3.77	45	91364	3.39	ppbv	80
15) Acetone	4.03	43	879769	3.98	ppbv	93
16) 1,3-Butadiene	3.50	39	21753	0.23	ppbv #	13
17) tert-Butyl alcohol	4.51	59	14681	0.12	ppbv #	75
19) Isopropyl Alcohol	4.17	45	29263	0.21	ppbv #	41
20) Methylene Chloride	4.55	84	111909	1.53	ppbv	98
23) Vinyl Acetate	5.29	43	23754	0.07	ppbv #	44
25) Ethyl Acetate	5.93	43	98319	0.22	ppbv #	94
26) Hexane	5.94	57	82129	0.38	ppbv #	61
27) Carbon Disulfide	4.76	76	20126	0.09	ppbv #	70
29) Chloroform	6.00	83	197365	0.68	ppbv	93
34) 2-Butanone	5.47	43	652760	2.33	ppbv	99
35) Carbon Tetrachloride	7.30	117	110688	0.39	ppbv	96
36) Benzene	7.17	78	63597	0.15	ppbv	95
38) Trichloroethene	8.13	130	253743	1.55	ppbv	98
39) 1,2-Dichloropropane	7.46	63	1007054	6.78	ppbv #	27
41) Tetrahydrofuran	6.30	42	1509814	9.58	ppbv	99
50) 4-Methyl-2-Pentanone	9.06	43	11759	0.03	ppbv #	84
51) 2-Hexanone	10.73	43	410249	1.25	ppbv #	49
52) Tetrachloroethene	11.56	164	9045407	58.32	ppbv	98
53) Toluene	10.12	91	611593	1.34	ppbv	98
57) Chlorobenzene	12.48	112	19041	0.05	ppbv #	98
58) Ethyl Benzene	13.04	91	48079	0.08	ppbv	100
59) m/p-Xylene	13.32	91	33580	0.07	ppbv #	29
60) o-Xylene	14.03	91	52593	0.11	ppbv	99
61) Styrene	13.86	104	13407	0.09	ppbv #	89
71) 2-Chlorotoluene	15.89	91	24781	0.05	ppbv #	47
72) 4-Ethyltoluene	16.18	105	30251	0.06	ppbv #	92
74) 1,2,4-Trimethylbenzene	17.11	105	25067	0.05	ppbv #	77
79) Naphthalene	22.61	128	17268	0.04	ppbv #	94

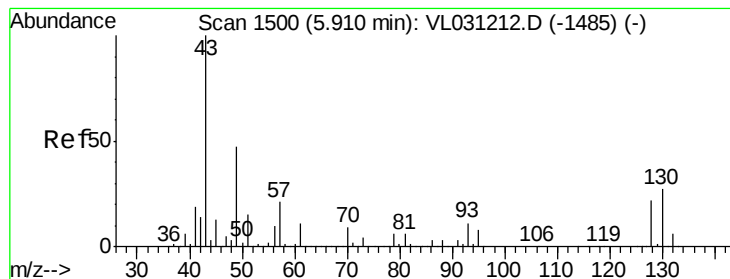
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T5P1

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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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :
MSVOA_L
ClientSampleId :
T5P1

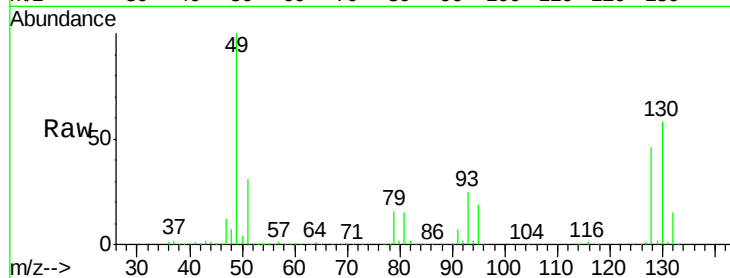
Tgt Ion: 49 Resp: 1675681

Ion Ratio Lower Upper

49 100

128 47.4 23.2 69.5

130 61.0 29.6 88.8

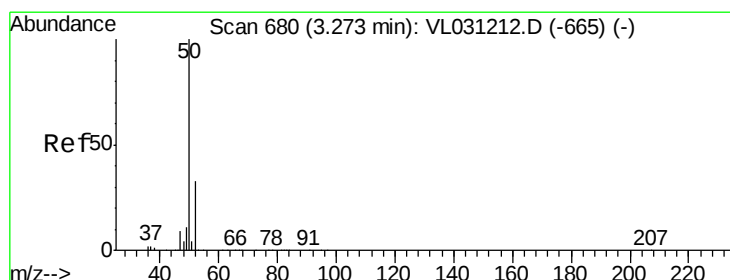
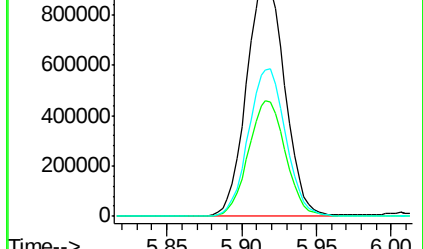
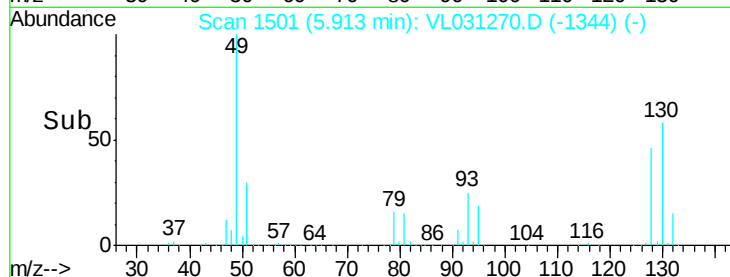


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#4

Chloromethane

Concen: 0.19 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031270.D

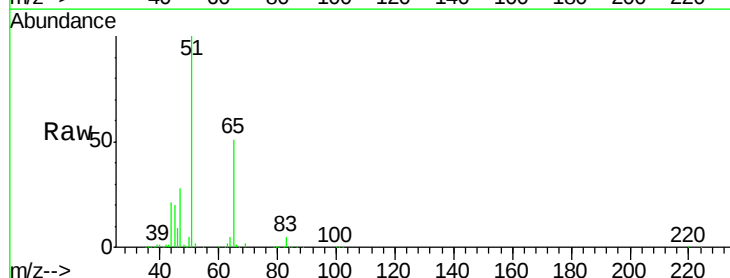
Acq: 20 Dec 2017 14:46

Tgt Ion: 50 Resp: 19116

Ion Ratio Lower Upper

50 100

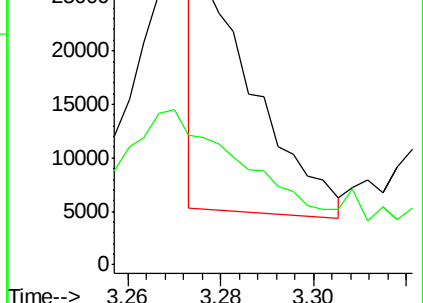
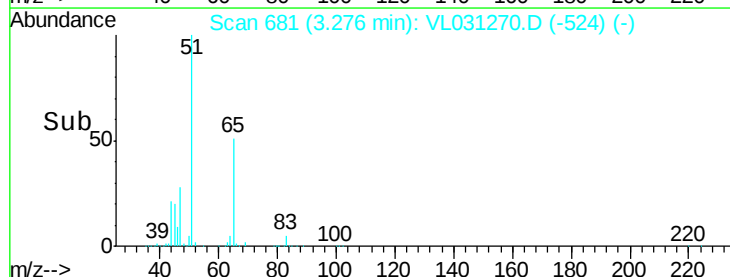
52 33.4 26.5 39.7

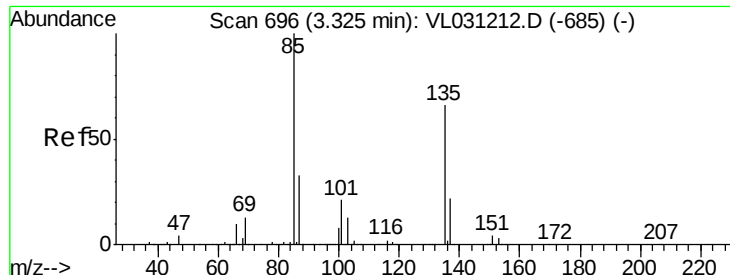


Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

Time-->





#8

Dichlorotetrafluoroethane

Concen: 0.39 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

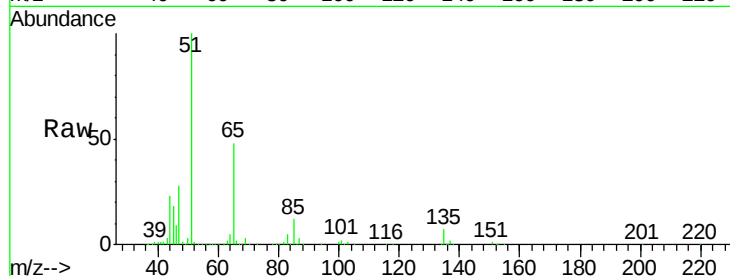
T5P1

Tgt Ion: 85 Resp: 76088

Ion Ratio Lower Upper

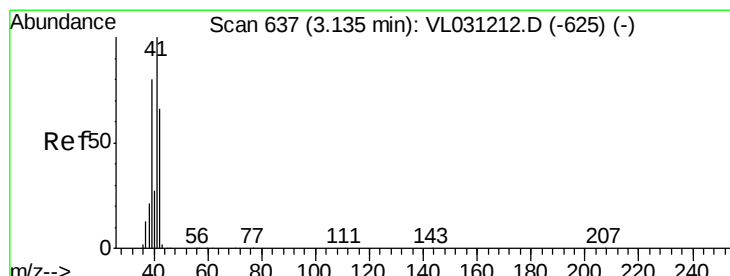
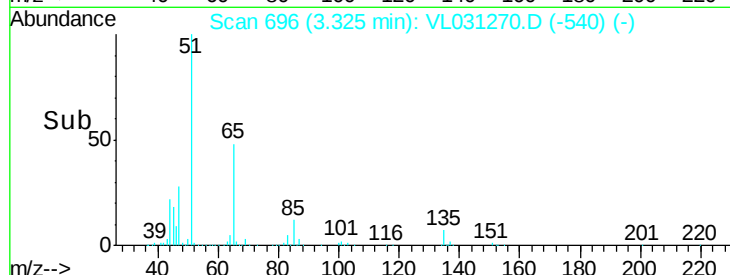
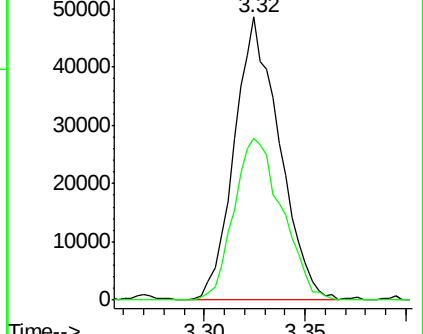
85 100

135 61.0 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.26 ppbv

RT: 3.14 min Scan# 639

Delta R.T. 0.01 min

Lab File: VL031270.D

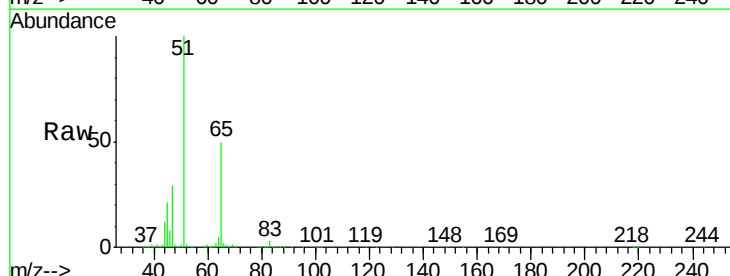
Acq: 20 Dec 2017 14:46

Tgt Ion: 41 Resp: 24248

Ion Ratio Lower Upper

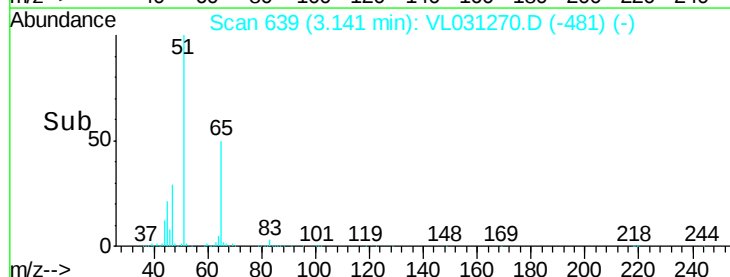
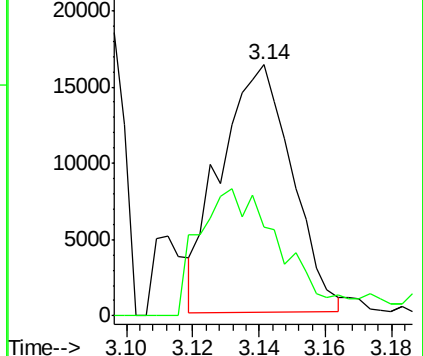
41 100

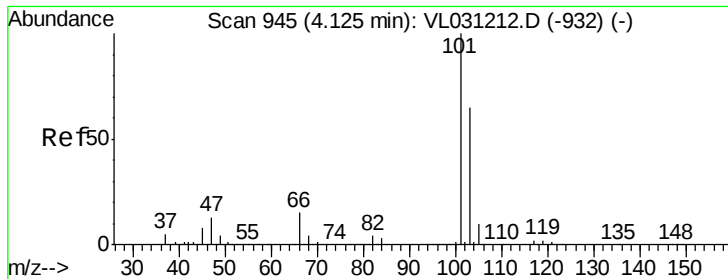
42 67.7 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

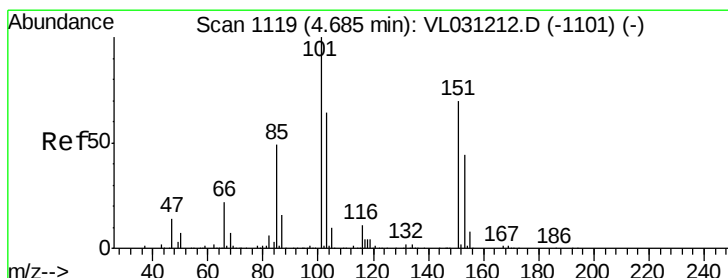
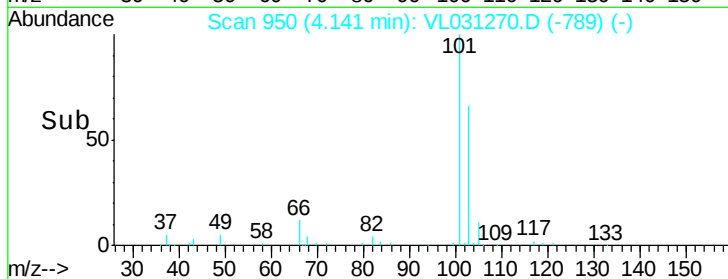
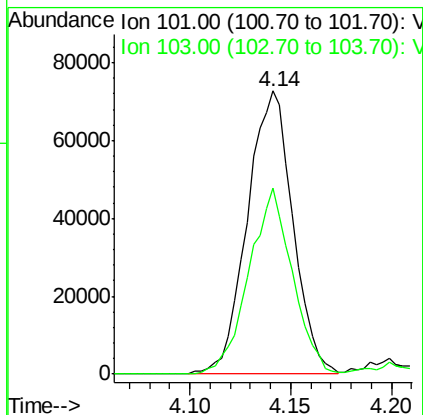
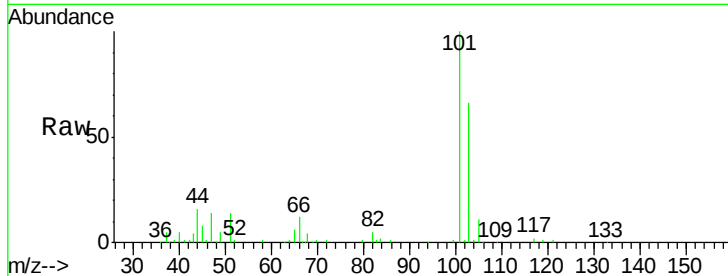




#11
 Trichlorofluoromethane
 Concen: 0.49 ppbv
 RT: 4.14 min Scan# 950
 Delta R.T. 0.02 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

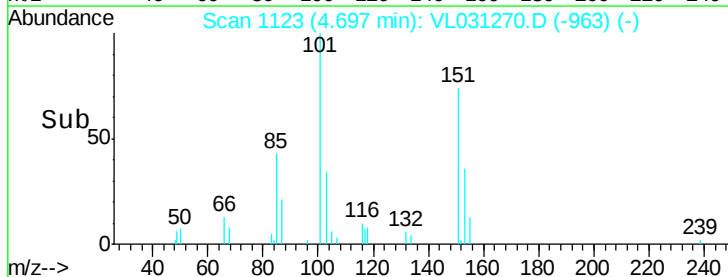
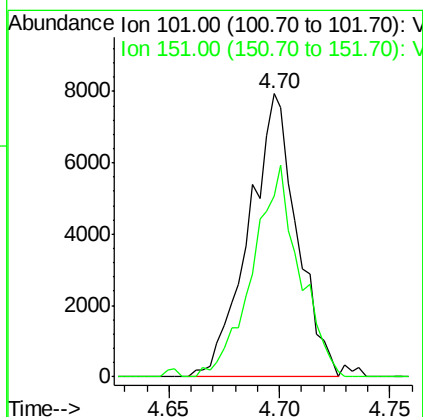
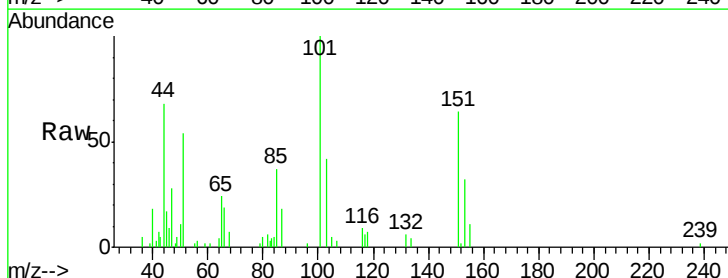
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

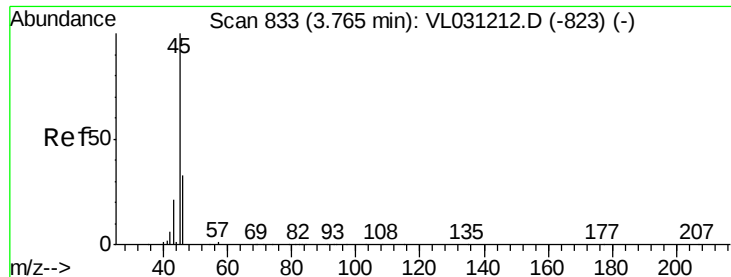
Tgt Ion:101 Resp: 114946
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.07 ppbv
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

Tgt Ion:101 Resp: 12076
 Ion Ratio Lower Upper
 101 100
 151 73.1 56.5 84.7





#13

Ethanol

Concen: 3.39 ppbv

RT: 3.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

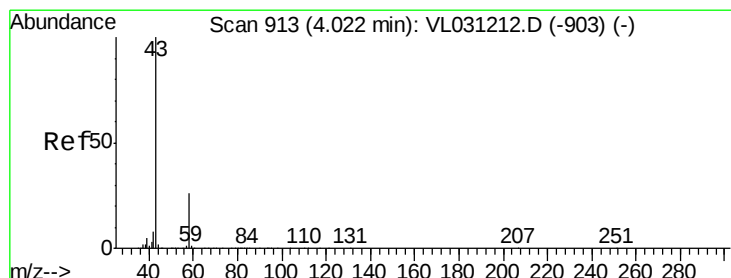
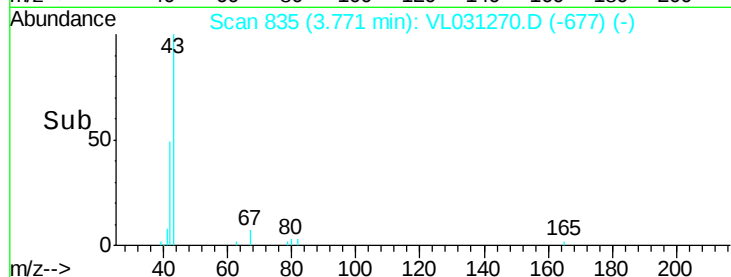
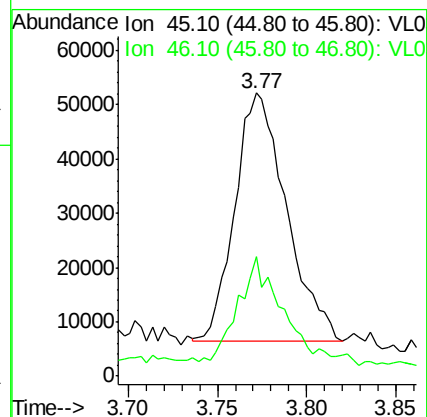
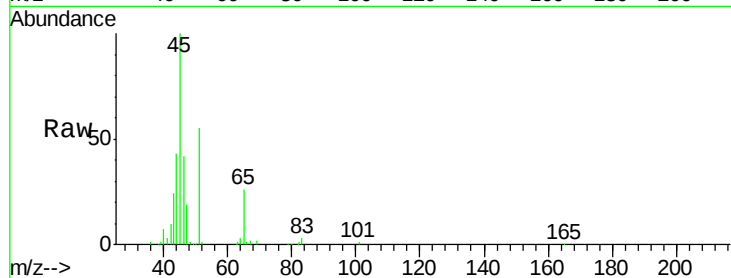
T5P1

Tgt Ion: 45 Resp: 91364

Ion Ratio Lower Upper

45 100

46 48.2 14.6 58.4



#15

Acetone

Concen: 3.98 ppbv

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VL031270.D

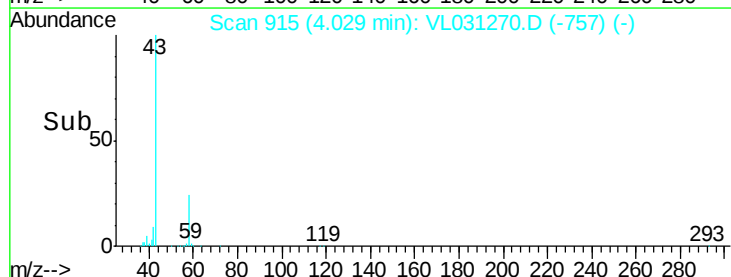
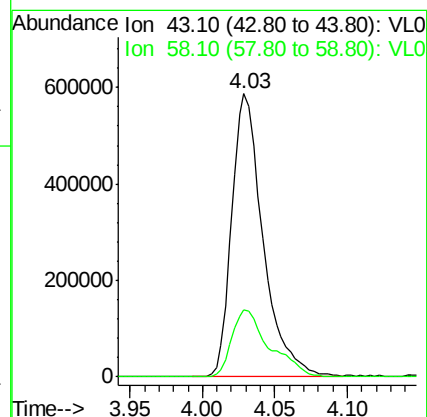
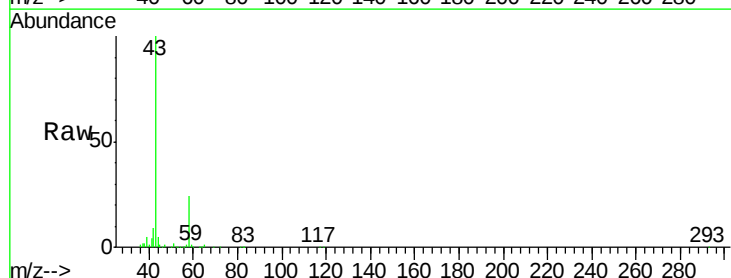
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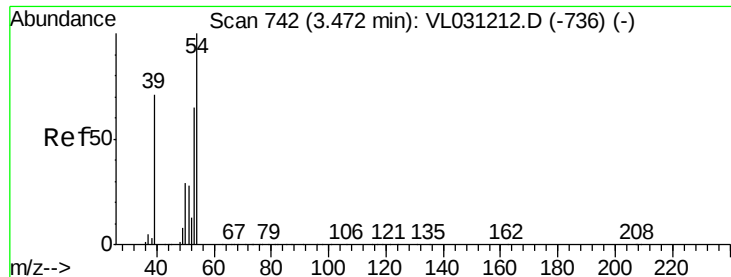
Tgt Ion: 43 Resp: 879769

Ion Ratio Lower Upper

43 100

58 28.7 20.3 30.5

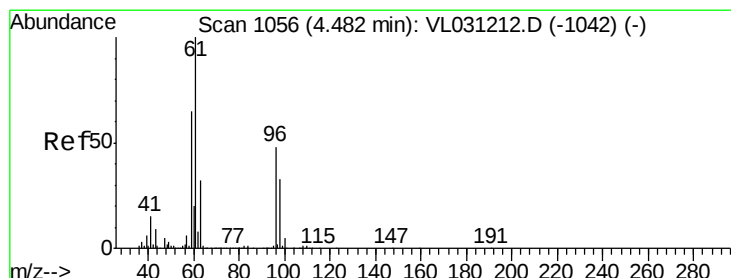
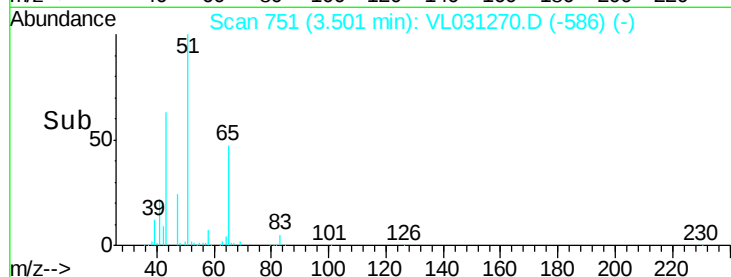
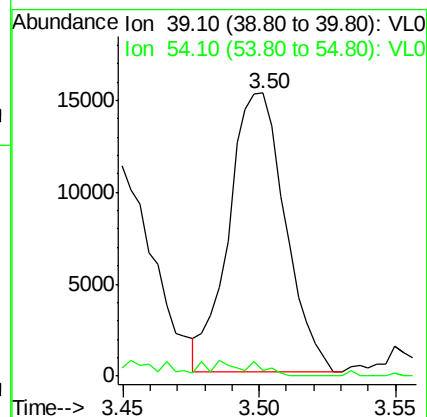
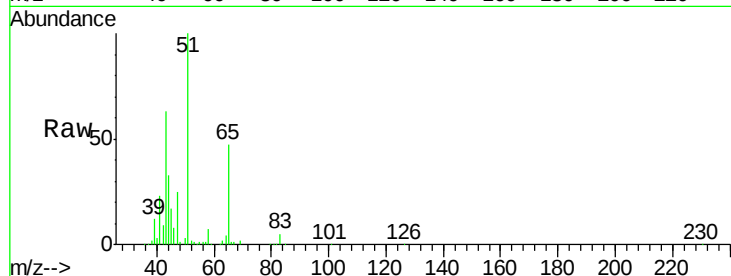




#16
1,3-Butadiene
Concen: 0.23 ppbv
RT: 3.50 min Scan# 751
Delta R.T. 0.03 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

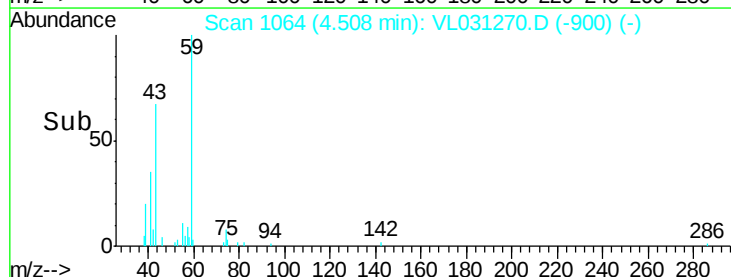
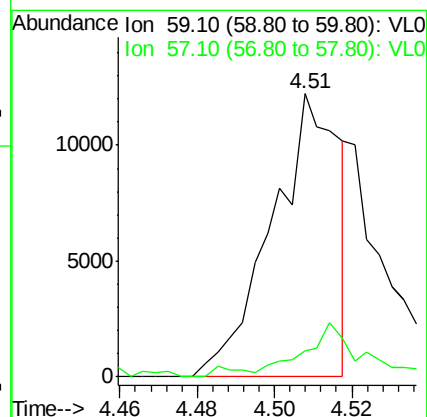
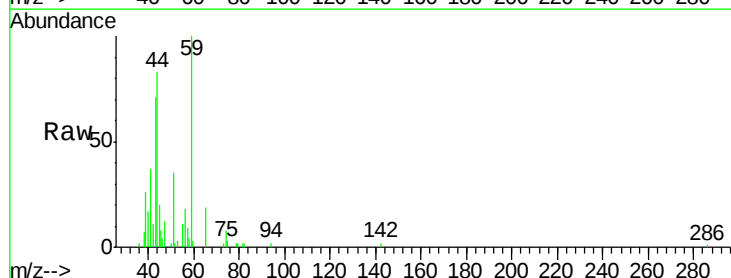
Instrument :
MSVOA_L
ClientSampled :
T5P1

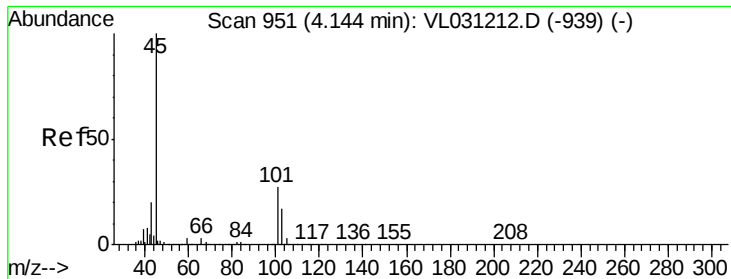
Tgt Ion: 39 Resp: 21753
Ion Ratio Lower Upper
39 100
54 4.3 66.4 99.6#



#17
tert-Butyl alcohol
Concen: 0.12 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. 0.03 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion: 59 Resp: 14681
Ion Ratio Lower Upper
59 100
57 19.4 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 0.21 ppbv

RT: 4.17 min Scan# 958

Delta R.T. 0.02 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

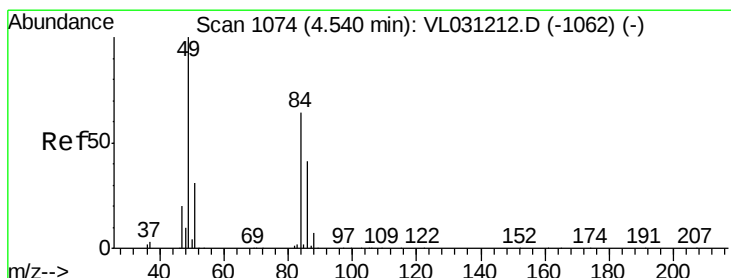
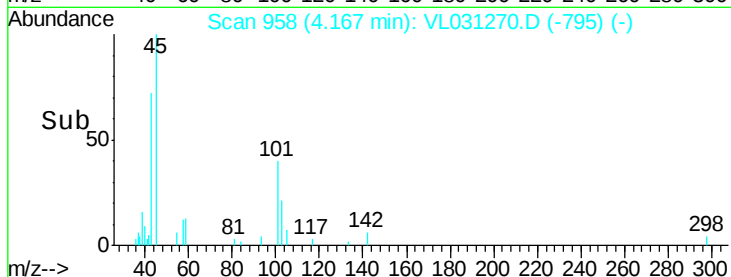
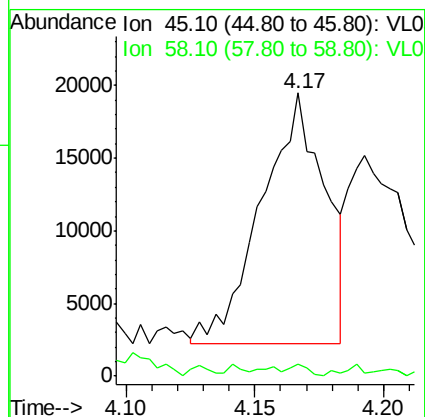
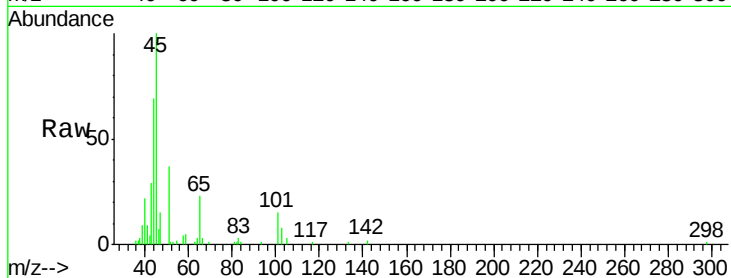
T5P1

Tgt Ion: 45 Resp: 29263

Ion Ratio Lower Upper

45 100

58 0.0 27.2 40.8#



#20

Methylene Chloride

Concen: 1.53 ppbv

RT: 4.55 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Tgt Ion: 84 Resp: 111909

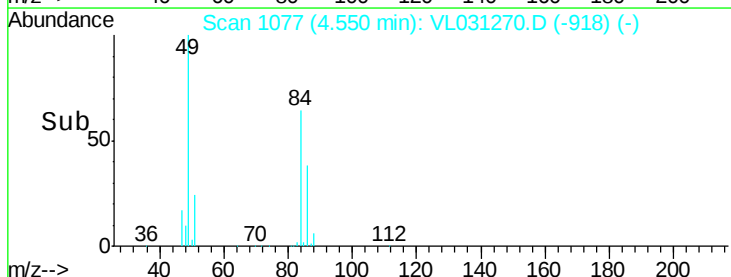
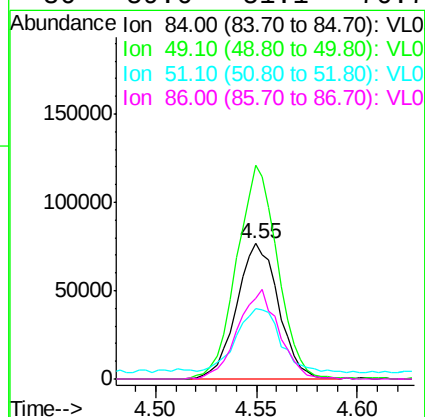
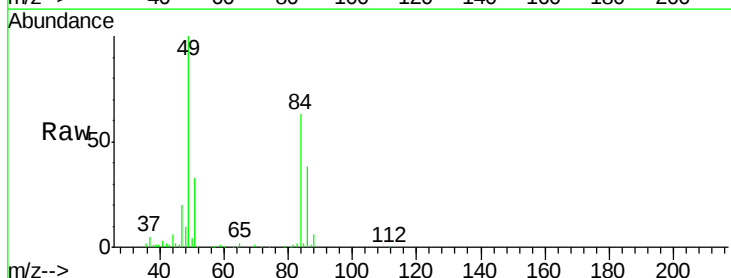
Ion Ratio Lower Upper

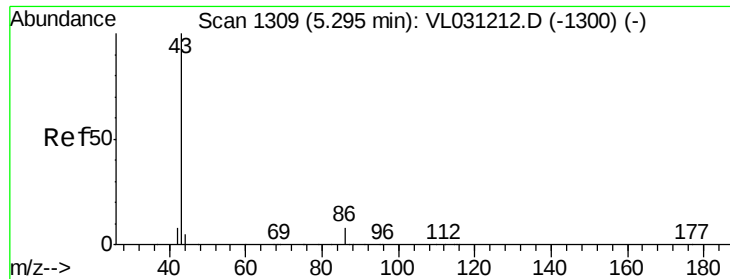
84 100

49 156.9 125.8 188.6

51 46.6 39.3 58.9

86 59.6 51.1 76.7

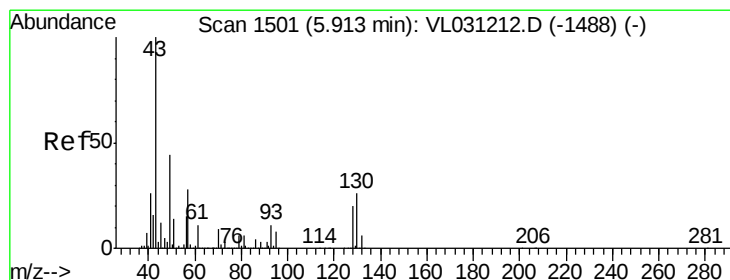
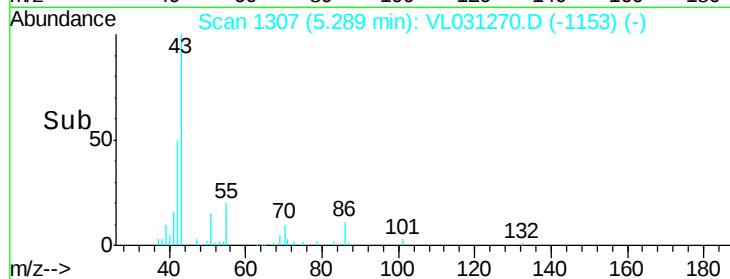
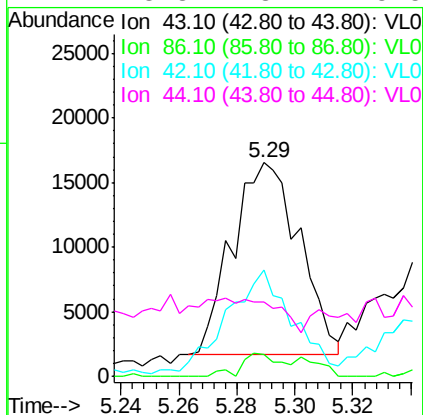
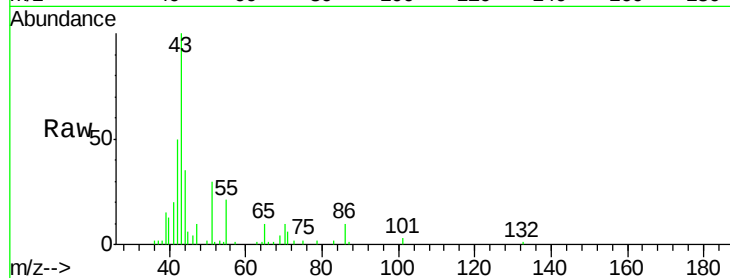




#23
 Vinyl Acetate
 Concen: 0.07 ppbv
 RT: 5.29 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

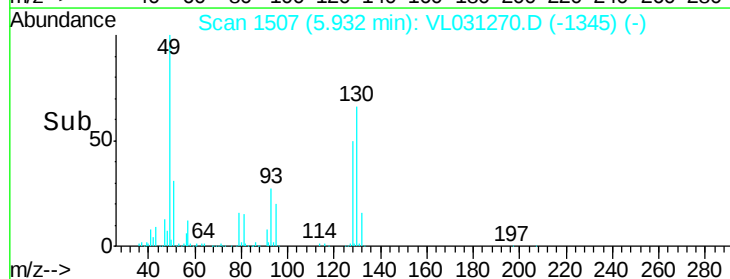
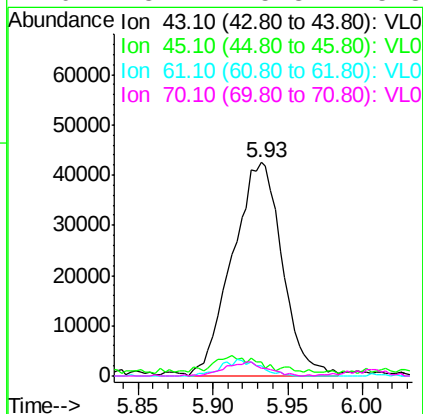
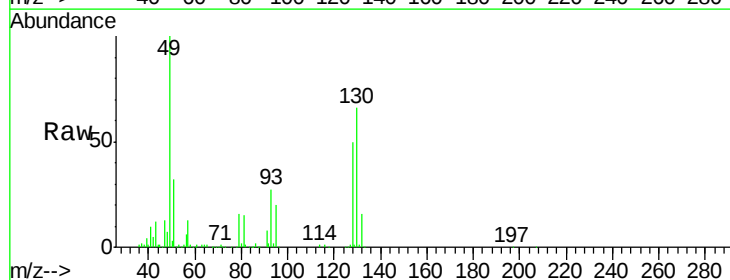
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

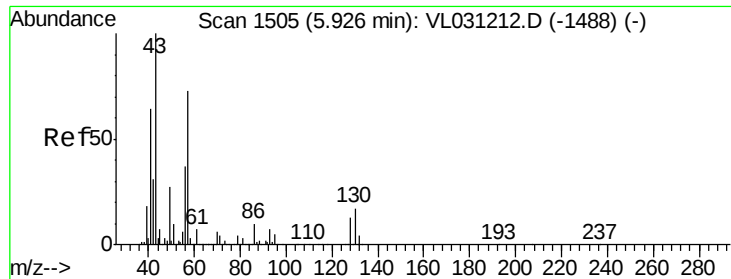
Tgt Ion:	43	Resp:	23754
Ion	Ratio	Lower	Upper
43	100		
86	11.5	5.9	8.9#
42	50.4	7.3	10.9#
44	8.3	3.7	5.5#



#25
 Ethyl Acetate
 Concen: 0.22 ppbv
 RT: 5.93 min Scan# 1507
 Delta R.T. 0.02 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

Tgt Ion:	43	Resp:	98319
Ion	Ratio	Lower	Upper
43	100		
45	8.4	8.0	12.0
61	5.9	7.4	11.0#
70	5.4	5.8	8.8#

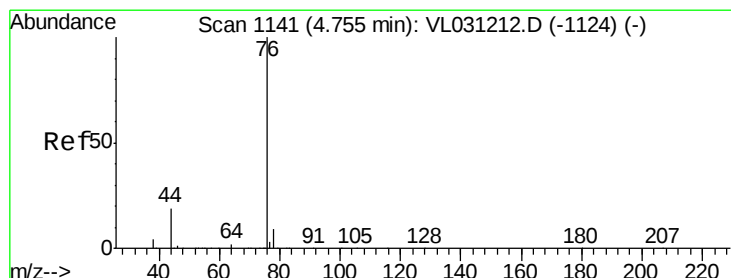
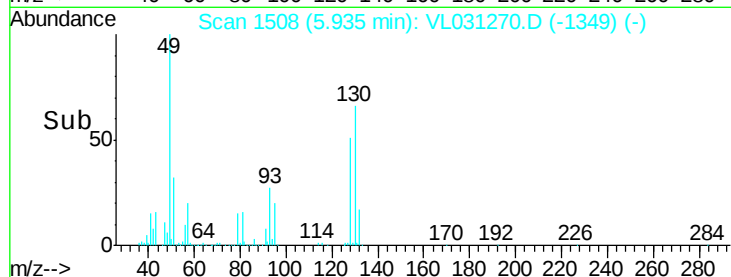
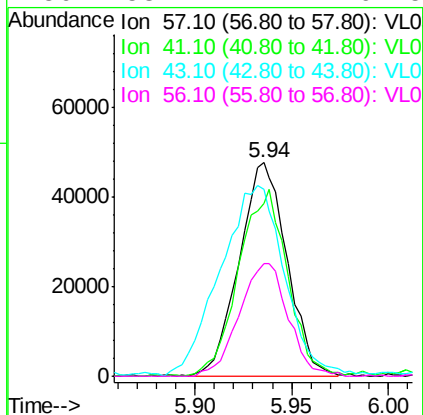
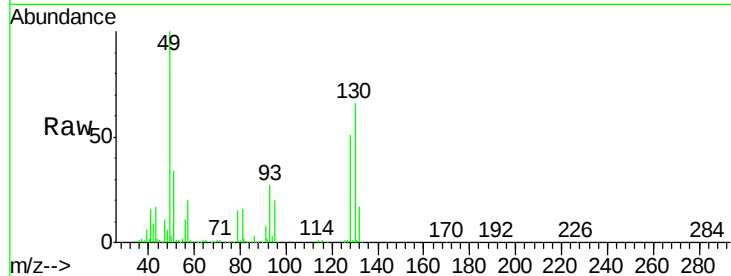




#26
Hexane
Concen: 0.38 ppbv
RT: 5.94 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

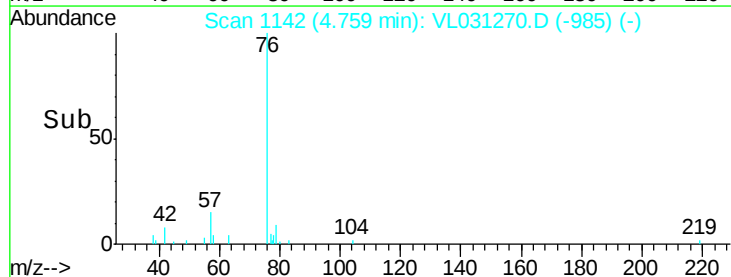
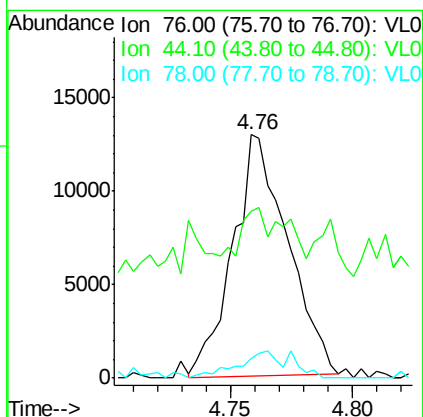
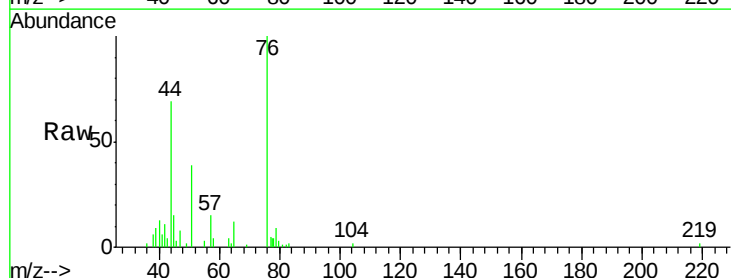
Instrument :
MSVOA_L
ClientSampleId :
T5P1

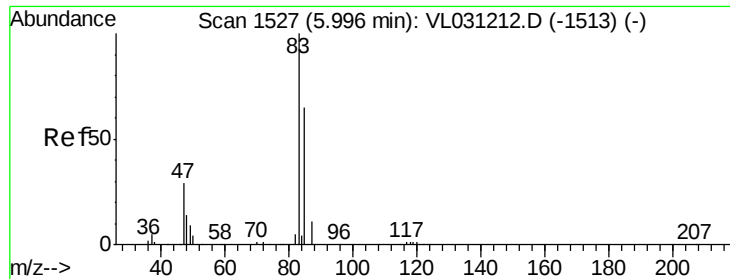
Tgt Ion: 57 Resp: 82129
Ion Ratio Lower Upper
57 100
41 91.8 70.3 105.5
43 118.5 173.8 260.8#
56 53.7 41.7 62.5



#27
Carbon Disulfide
Concen: 0.09 ppbv
RT: 4.76 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion: 76 Resp: 20126
Ion Ratio Lower Upper
76 100
44 39.3 16.0 24.0#
78 10.8 7.5 11.3

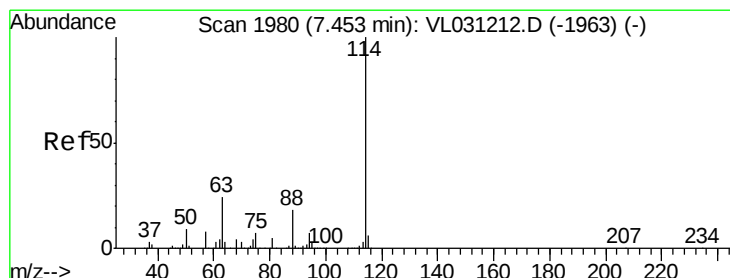
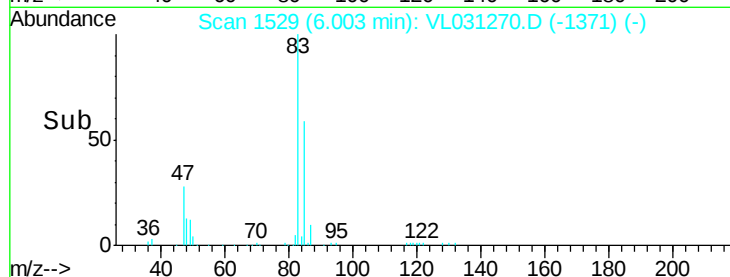
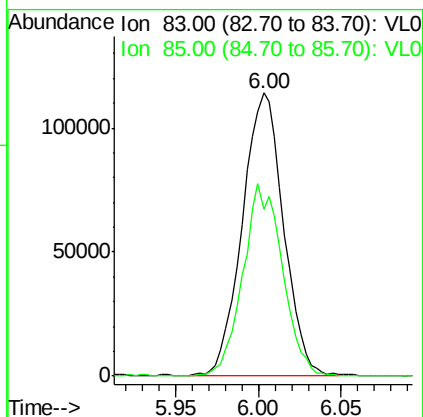
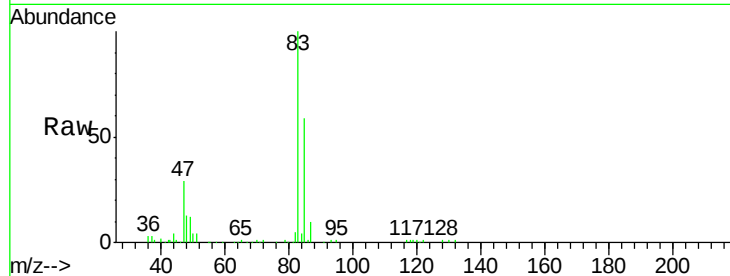




#29
Chloroform
Concen: 0.68 ppbv
RT: 6.00 min Scan# 1529
Delta R.T. 0.01 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

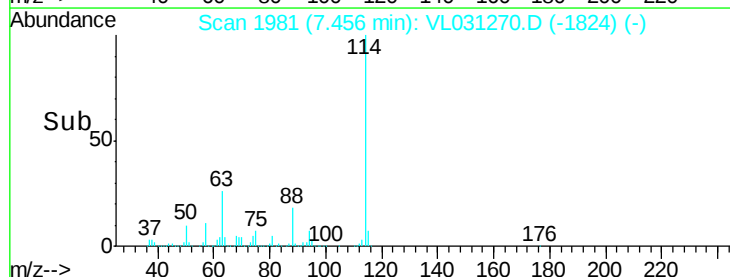
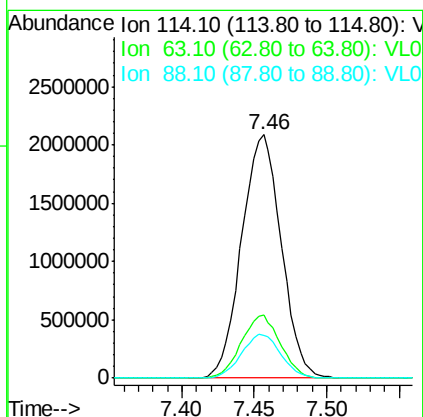
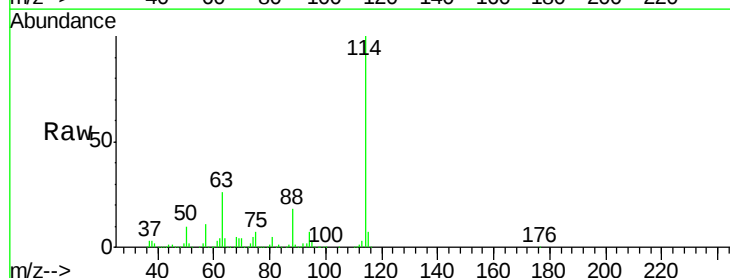
Instrument :
MSVOA_L
ClientSampleId :
T5P1

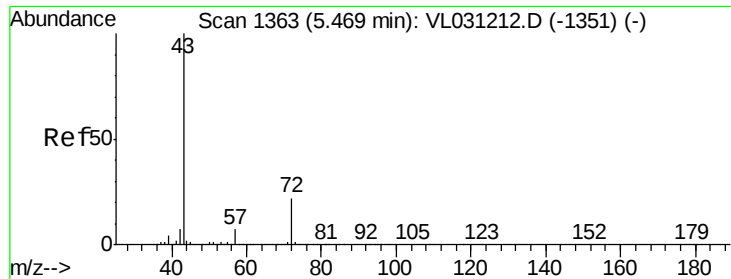
Tgt Ion: 83 Resp: 197365
Ion Ratio Lower Upper
83 100
85 58.9 51.8 77.6



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion: 114 Resp: 3966707
Ion Ratio Lower Upper
114 100
63 25.6 19.8 29.8
88 18.0 14.2 21.4

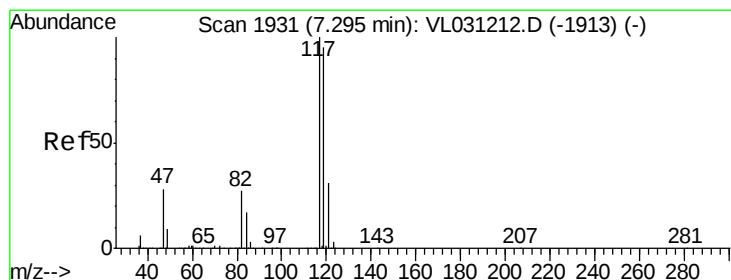
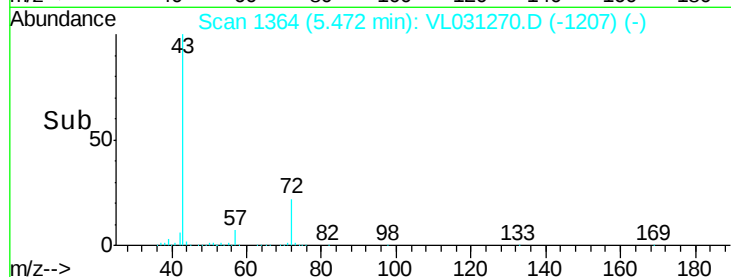
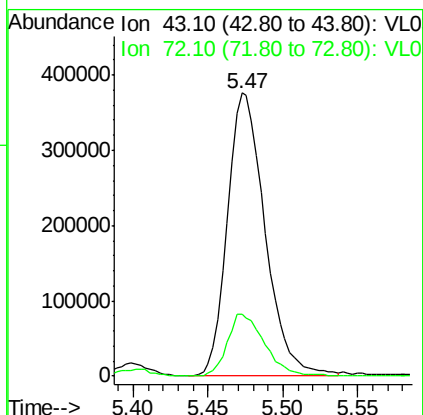
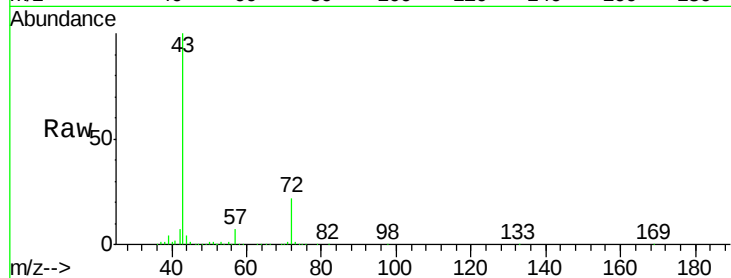




#34
2-Butanone
Concen: 2.33 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

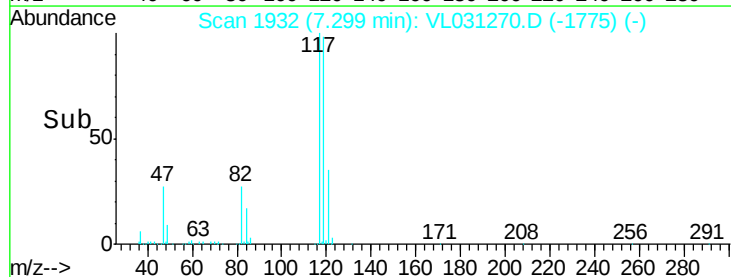
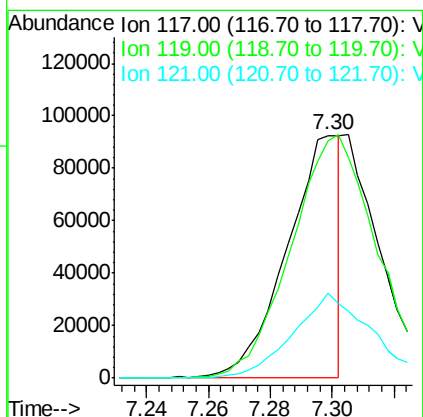
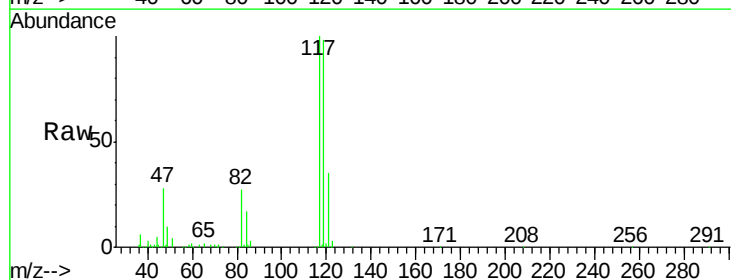
Instrument :
MSVOA_L
ClientSampleId :
T5P1

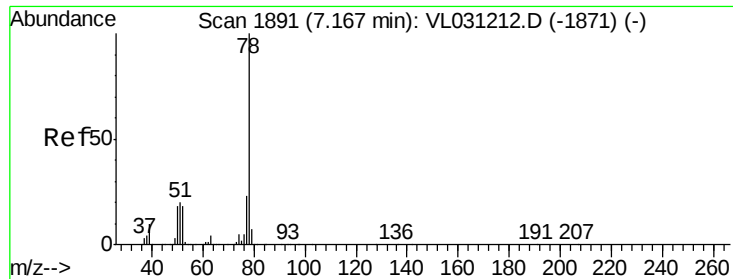
Tgt Ion: 43 Resp: 652760
Ion Ratio Lower Upper
43 100
72 21.9 18.1 27.1



#35
Carbon Tetrachloride
Concen: 0.39 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion: 117 Resp: 110688
Ion Ratio Lower Upper
117 100
119 97.9 75.9 113.9
121 34.7 24.6 37.0





#36

Benzene

Concen: 0.15 ppbv

RT: 7.17 min Scan# 1892

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

T5P1

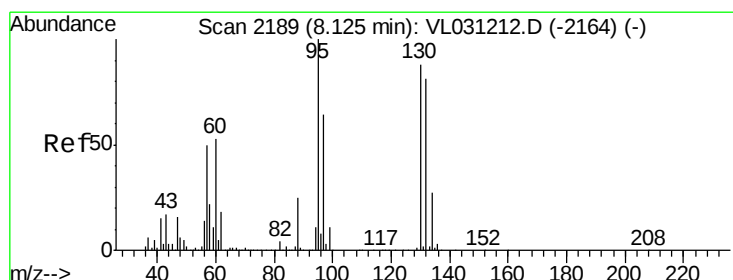
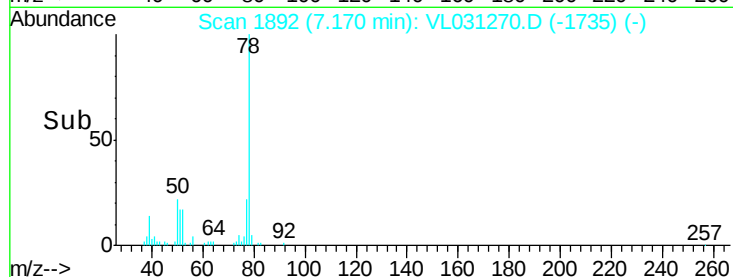
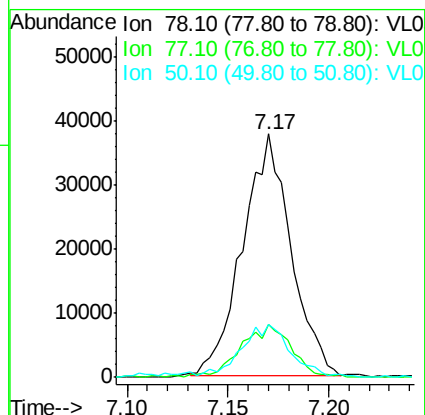
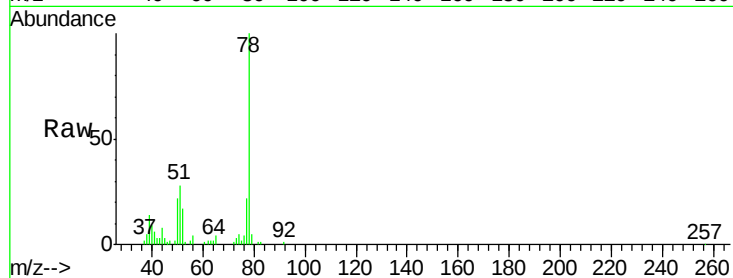
Tgt Ion: 78 Resp: 63597

Ion Ratio Lower Upper

78 100

77 20.5 18.1 27.1

50 20.6 14.6 21.8



#38

Trichloroethene

Concen: 1.55 ppbv

RT: 8.13 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Tgt Ion: 130 Resp: 253743

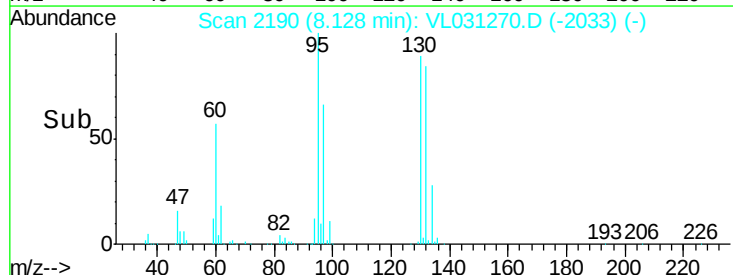
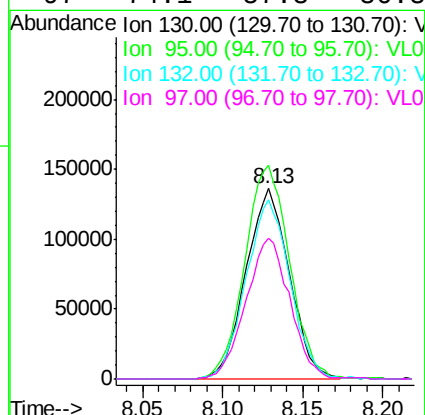
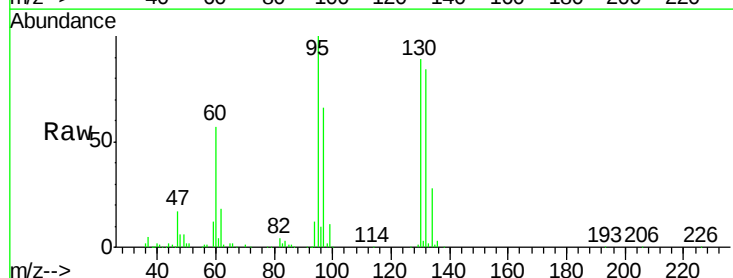
Ion Ratio Lower Upper

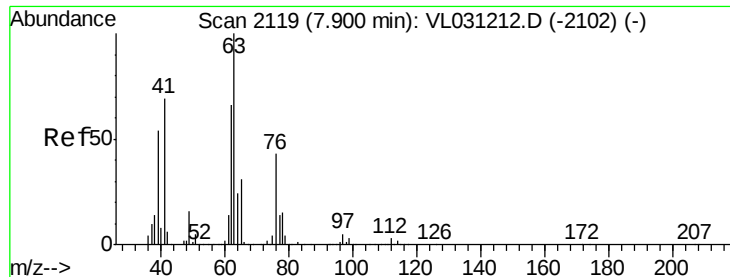
130 100

95 112.0 90.6 135.8

132 94.2 73.5 110.3

97 74.1 57.8 86.8

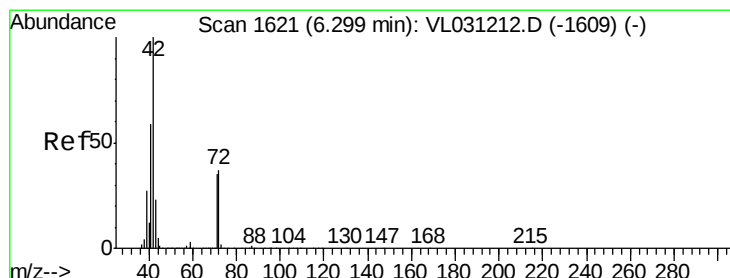
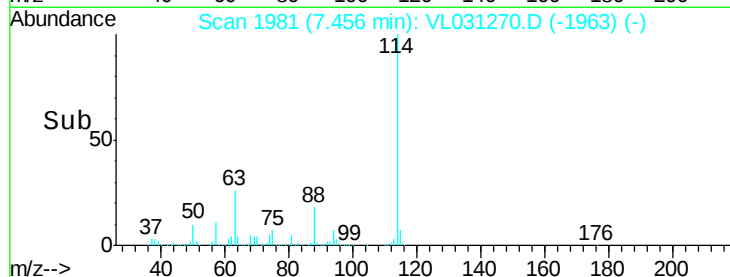
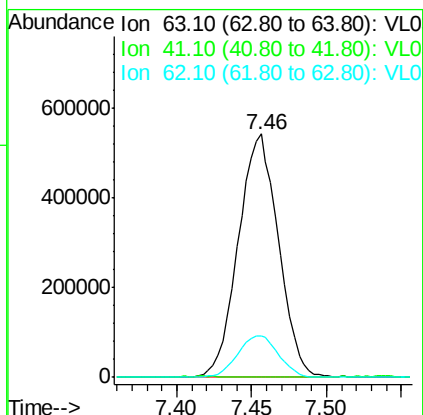
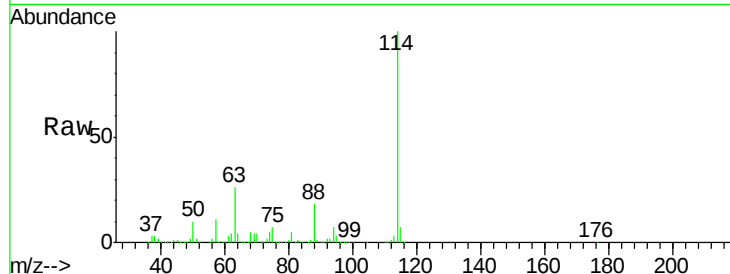




#39
 1,2-Dichloropropane
 Concen: 6.78 ppbv
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.44 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

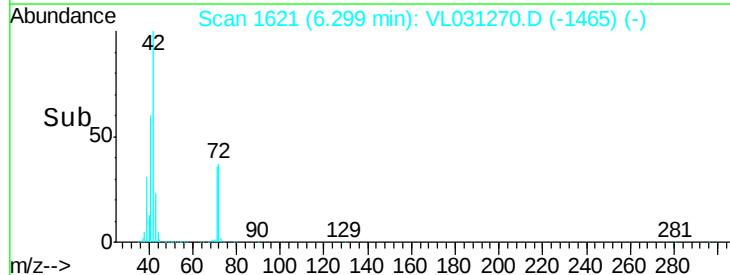
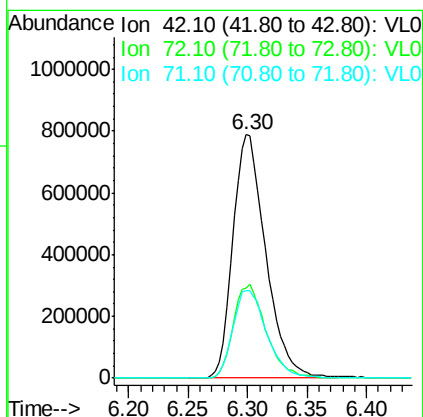
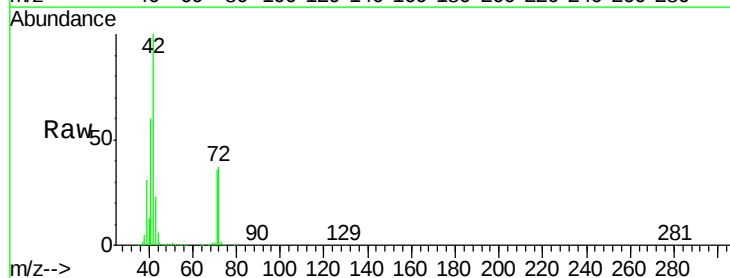
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

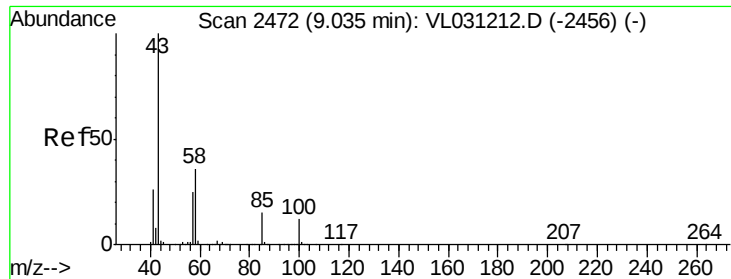
Tgt Ion: 63 Resp: 1007054
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 17.0 53.0 79.4#



#41
 Tetrahydrofuran
 Concen: 9.58 ppbv
 RT: 6.30 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

Tgt Ion: 42 Resp: 1509814
 Ion Ratio Lower Upper
 42 100
 72 38.4 30.2 45.4
 71 37.3 29.0 43.6

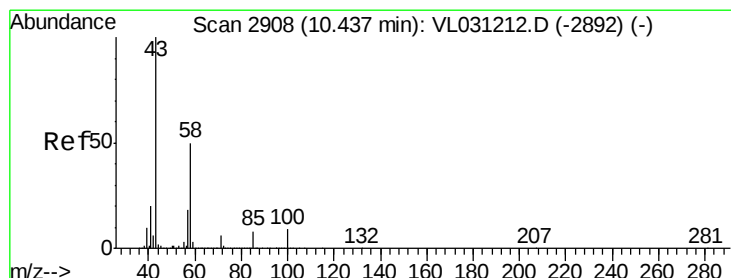
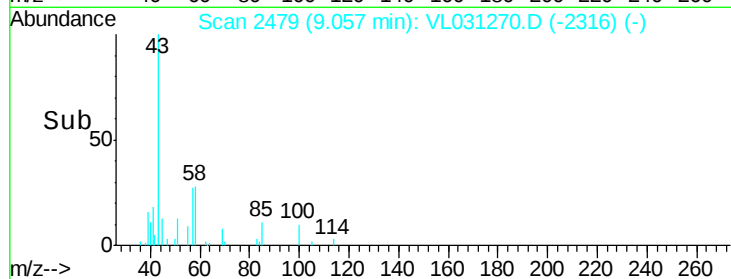
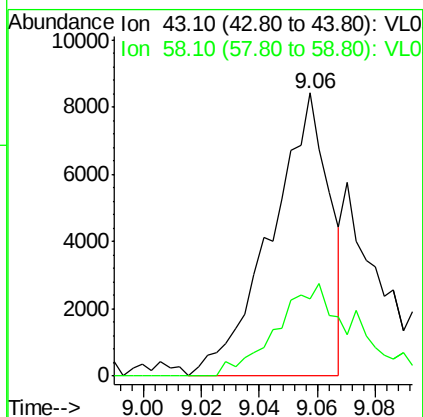
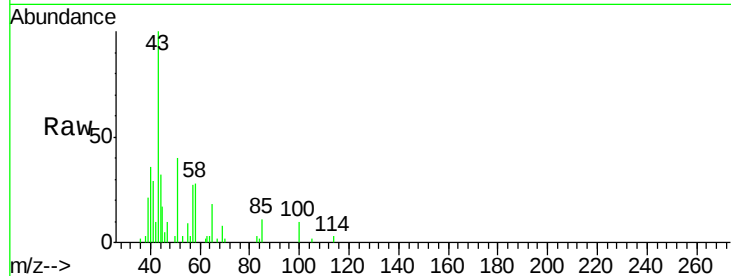




#50
 4-Methyl-2-Pentanone
 Concen: 0.03 ppbv
 RT: 9.06 min Scan# 2479
 Delta R.T. 0.02 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

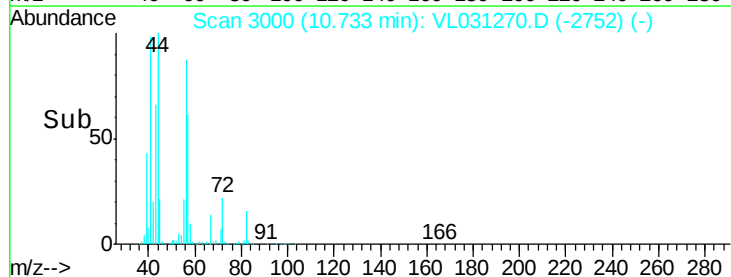
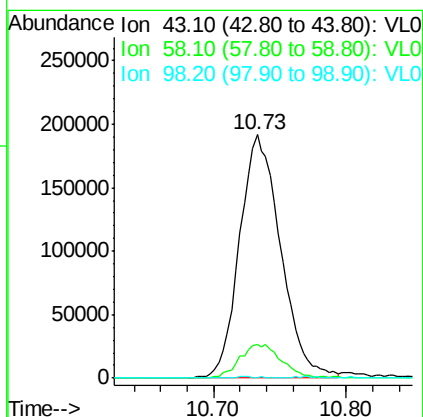
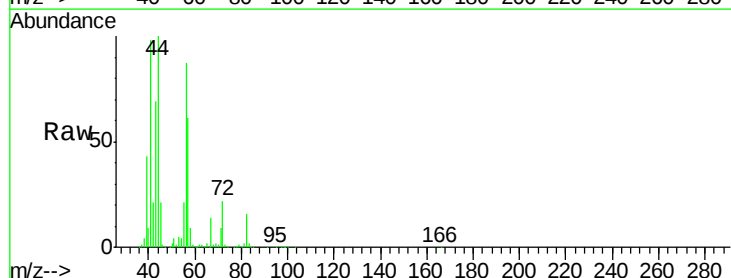
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

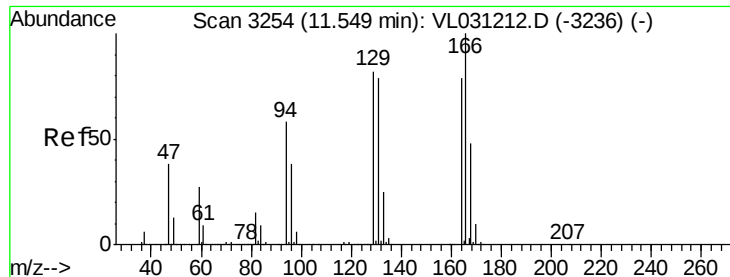
Tgt Ion: 43 Resp: 11759
 Ion Ratio Lower Upper
 43 100
 58 45.2 28.8 43.2#



#51
 2-Hexanone
 Concen: 1.25 ppbv
 RT: 10.73 min Scan# 3000
 Delta R.T. 0.30 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

Tgt Ion: 43 Resp: 410249
 Ion Ratio Lower Upper
 43 100
 58 14.4 39.8 59.6#
 98 0.5 0.0 0.0#





#52

Tetrachloroethene

Concen: 58.32 ppbv

RT: 11.56 min Scan# 3258

Delta R.T. 0.01 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

T5P1

Tgt Ion:164 Resp: 9045407

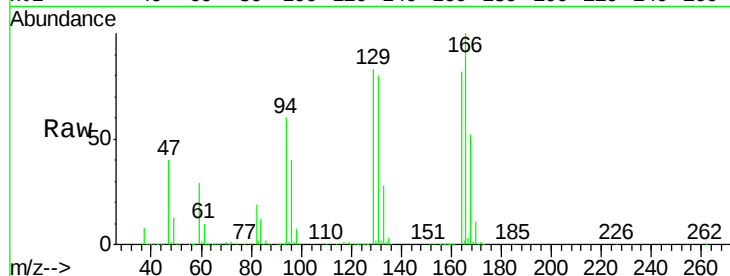
Ion Ratio Lower Upper

164 100

166 122.5 100.6 151.0

129 101.1 82.9 124.3

131 98.2 79.2 118.8

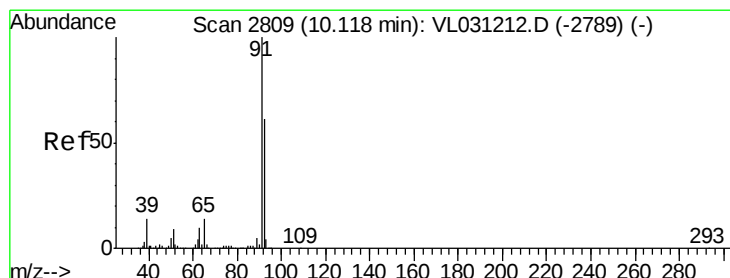
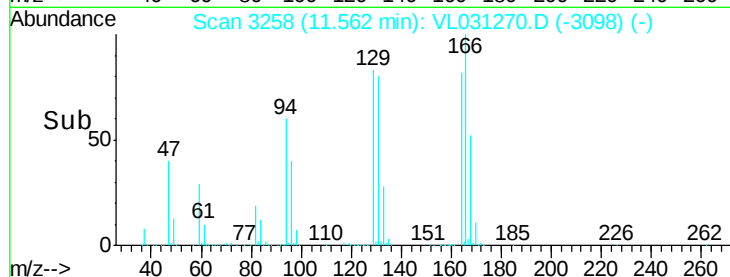
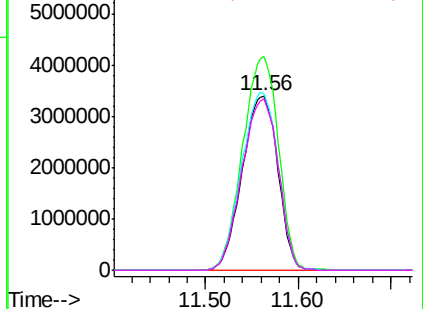


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.34 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031270.D

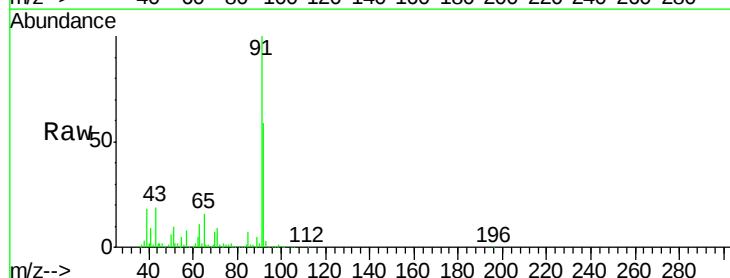
Acq: 20 Dec 2017 14:46

Tgt Ion: 91 Resp: 611593

Ion Ratio Lower Upper

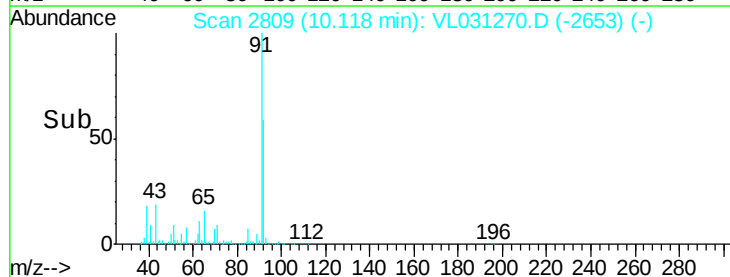
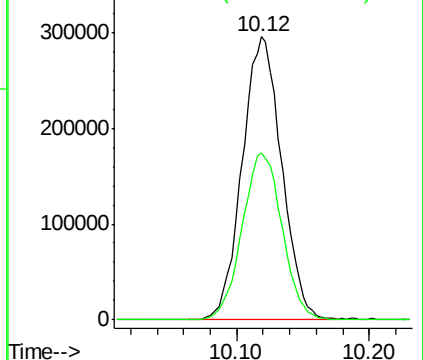
91 100

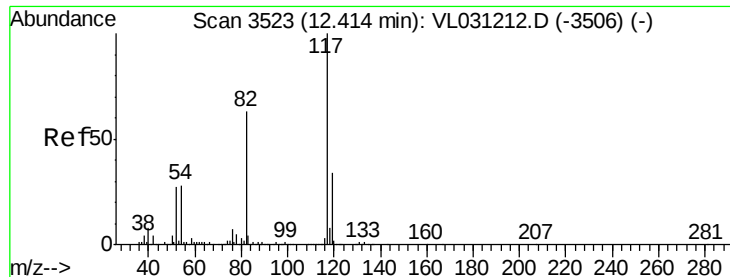
92 59.7 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

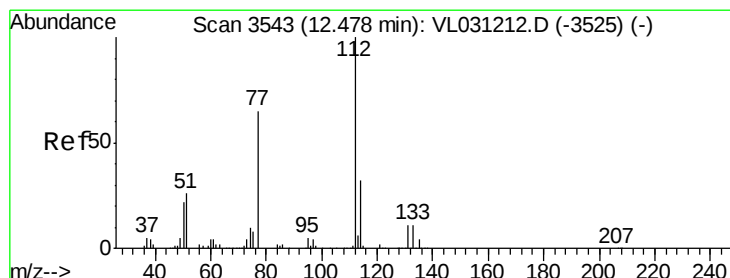
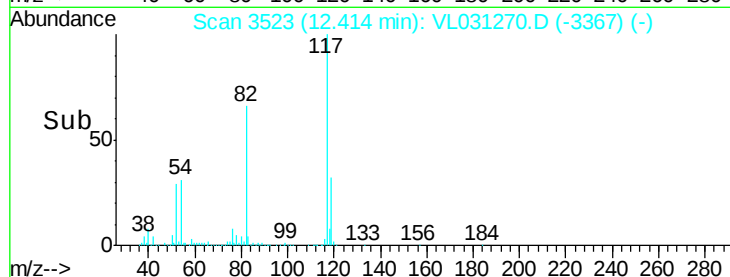
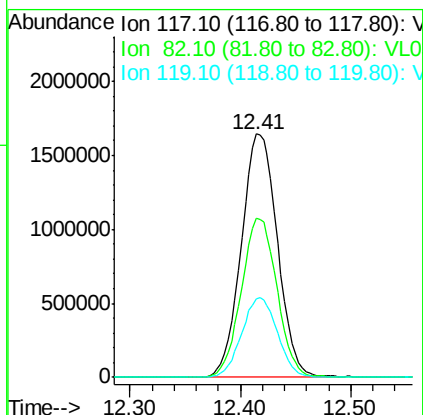
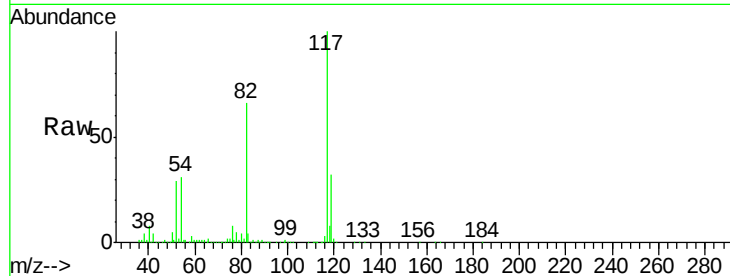




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

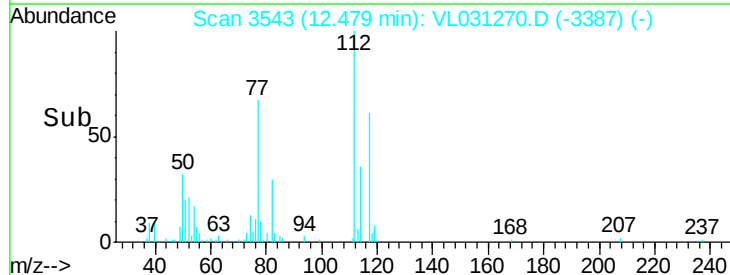
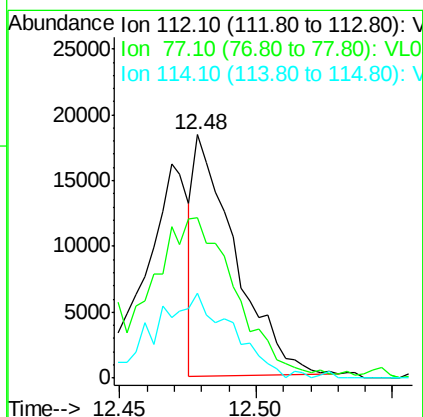
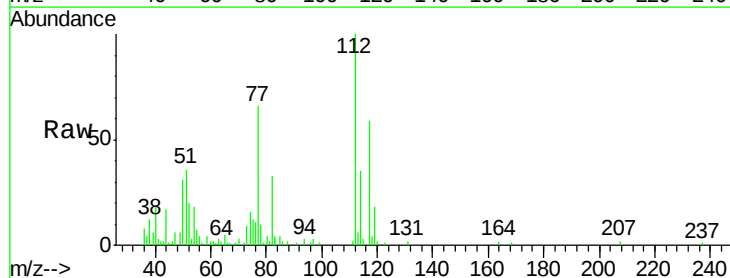
Instrument :
MSVOA_L
ClientSampleId :
T5P1

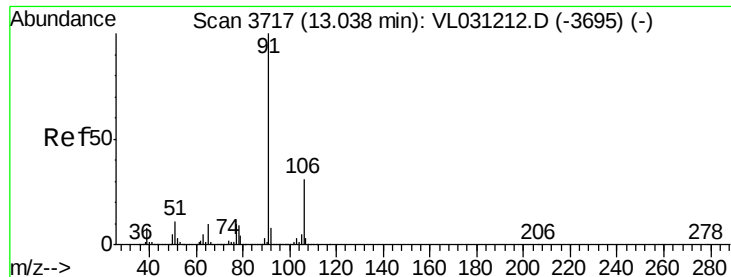
Tgt Ion:117 Resp: 3731661
Ion Ratio Lower Upper
117 100
82 64.9 48.1 72.1
119 32.5 23.1 34.7



#57
Chlorobenzene
Concen: 0.05 ppbv
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion:112 Resp: 19041
Ion Ratio Lower Upper
112 100
77 65.5 52.9 79.3
114 35.5 29.1 35.5#





#58

Ethyl Benzene

Concen: 0.08 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

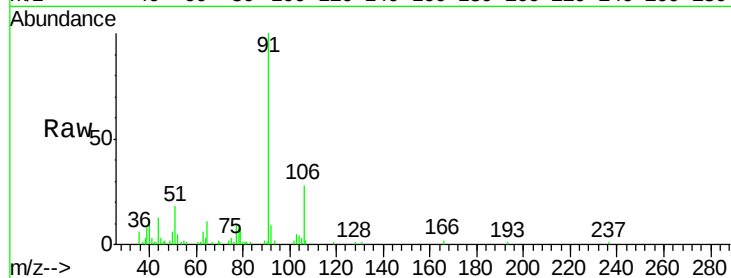
T5P1

Tgt Ion: 91 Resp: 48079

Ion Ratio Lower Upper

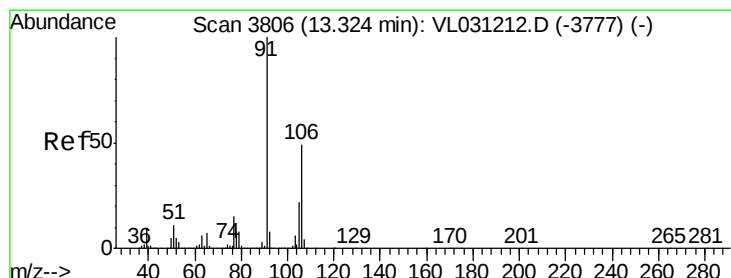
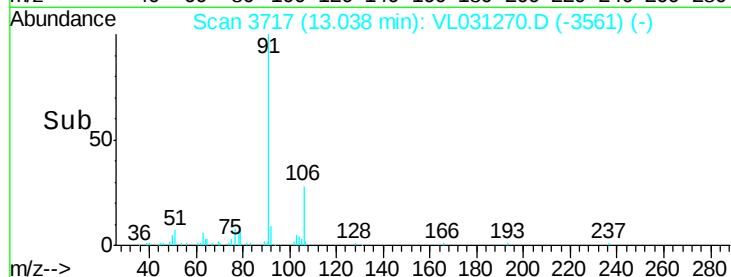
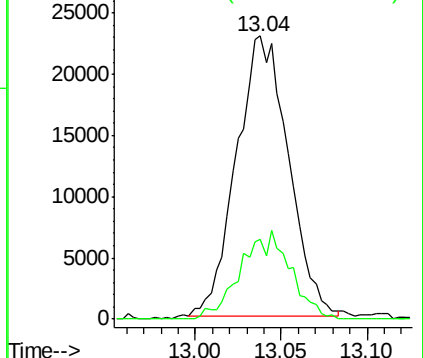
91 100

106 31.2 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.07 ppbv

RT: 13.32 min Scan# 3805

Delta R.T. -0.00 min

Lab File: VL031270.D

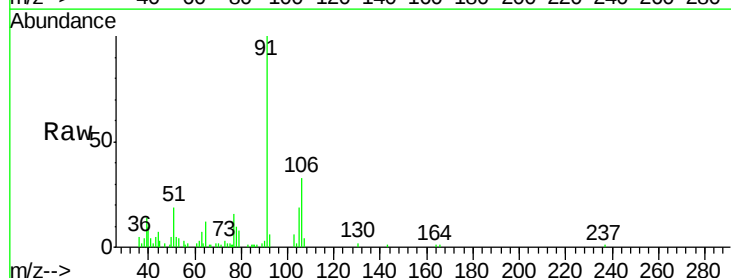
Acq: 20 Dec 2017 14:46

Tgt Ion: 91 Resp: 33580

Ion Ratio Lower Upper

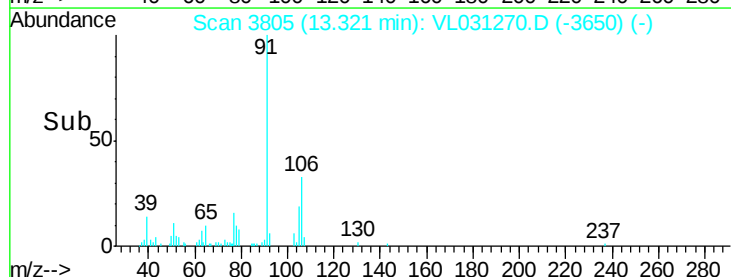
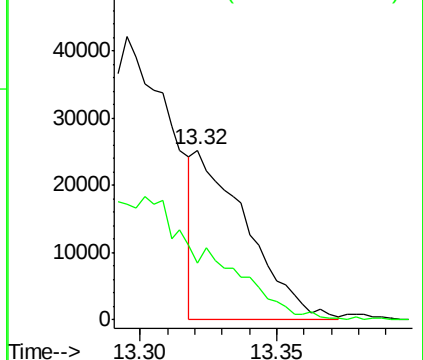
91 100

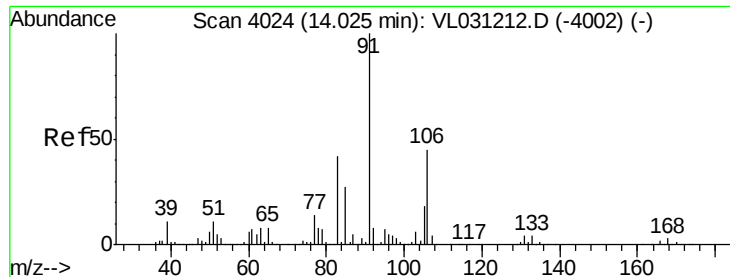
106 0.0 38.5 57.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

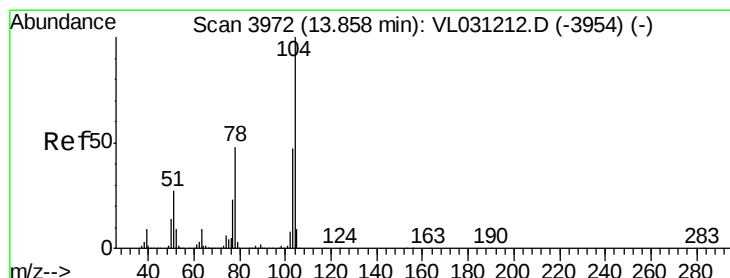
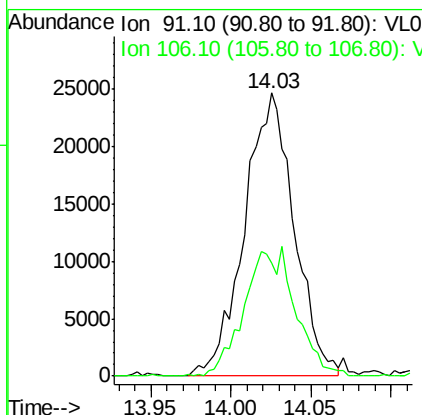
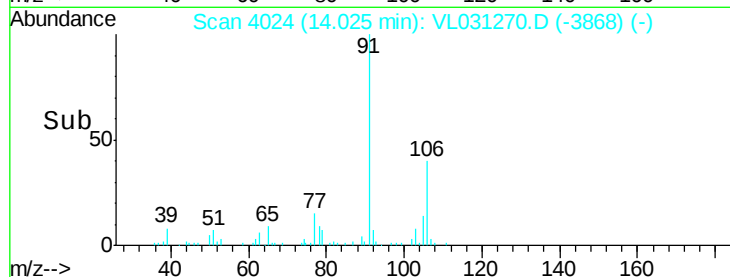
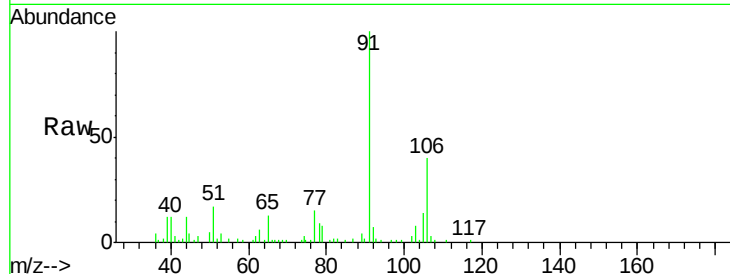




#60
o-Xylene
Concen: 0.11 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

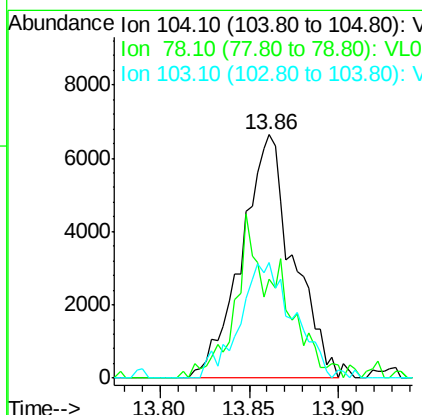
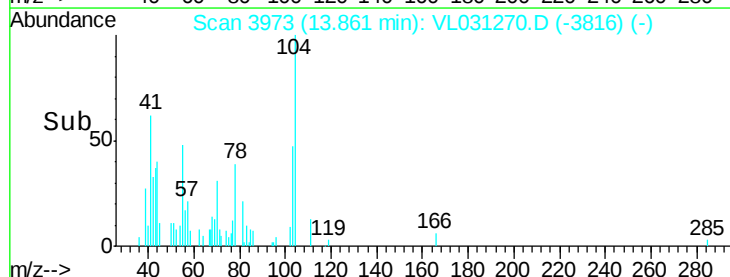
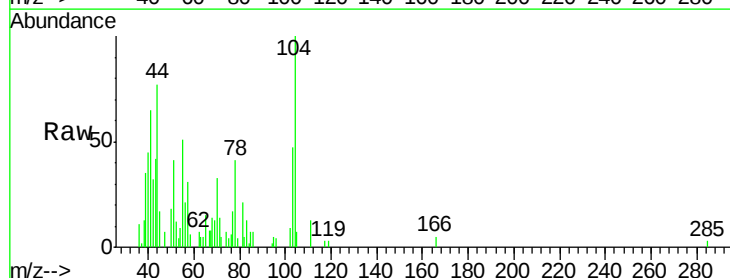
Instrument :
MSVOA_L
ClientSampled :
T5P1

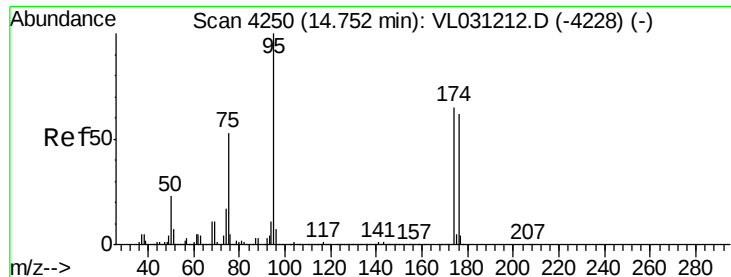
Tgt Ion: 91 Resp: 52593
Ion Ratio Lower Upper
91 100
106 46.3 22.7 68.1



#61
Styrene
Concen: 0.09 ppbv
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031270.D
Acq: 20 Dec 2017 14:46

Tgt Ion: 104 Resp: 13407
Ion Ratio Lower Upper
104 100
78 59.6 39.1 58.7#
103 50.1 37.3 55.9

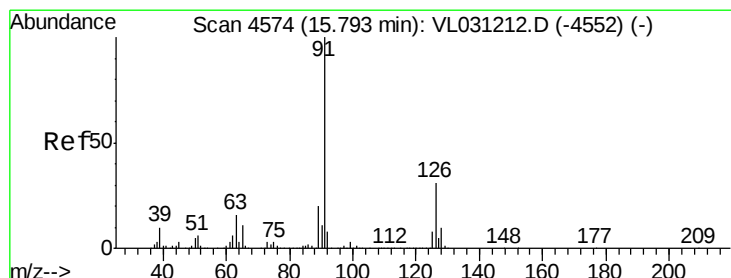
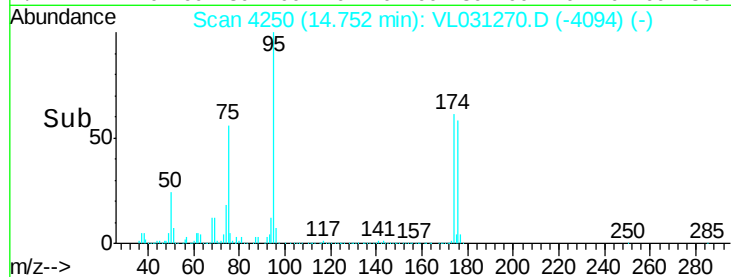
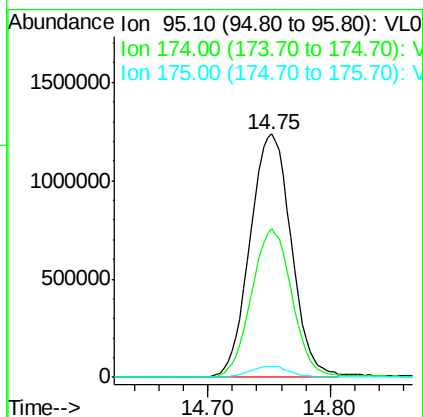
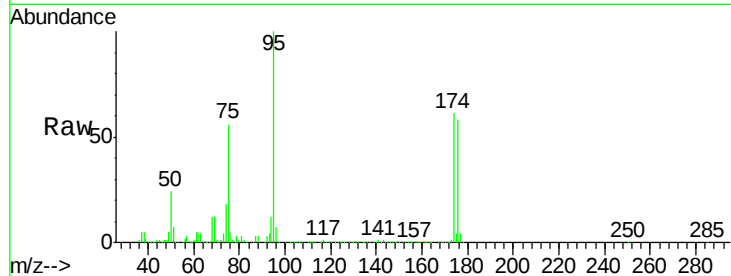




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.89 ppbv
 RT: 14.75 min Scan# 4250
 Delta R.T. 0.00 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

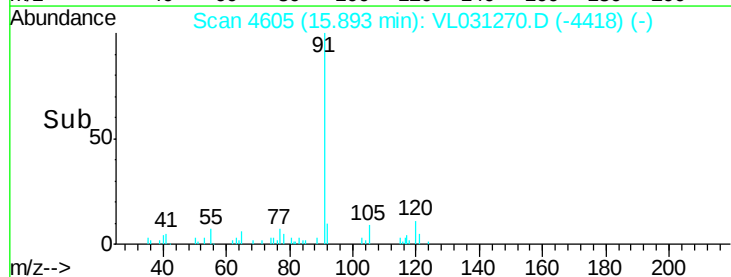
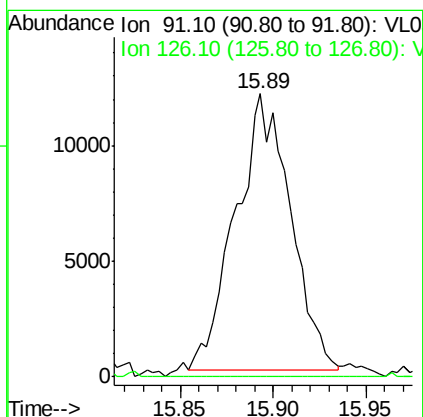
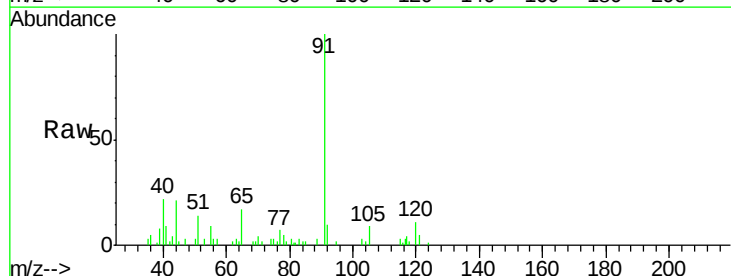
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P1

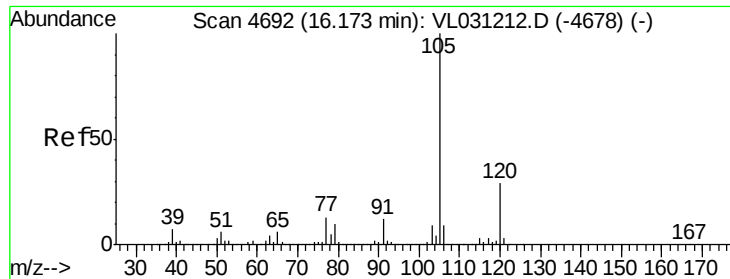
Tgt Ion: 95 Resp: 2890656
 Ion Ratio Lower Upper
 95 100
 174 61.1 52.5 78.7
 175 4.6 4.1 6.1



#71
 2-Chlorotoluene
 Concen: 0.05 ppbv
 RT: 15.89 min Scan# 4605
 Delta R.T. 0.10 min
 Lab File: VL031270.D
 Acq: 20 Dec 2017 14:46

Tgt Ion: 91 Resp: 24781
 Ion Ratio Lower Upper
 91 100
 126 2.1 12.6 50.6#





#72

4-Ethyltoluene

Concen: 0.06 ppbv

RT: 16.18 min Scan# 4693

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

T5P1

Tgt Ion:105 Resp: 30251

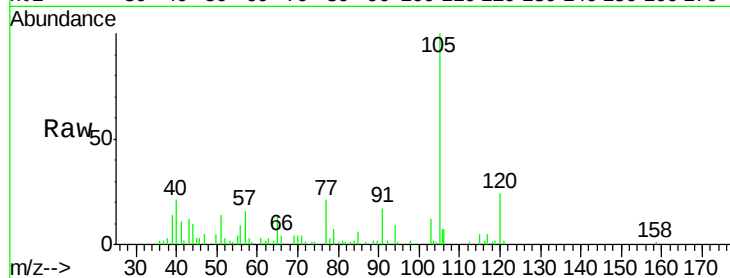
Ion Ratio Lower Upper

105 100

120 30.0 24.2 36.2

91 20.4 9.8 14.8#

77 18.8 10.5 15.7#

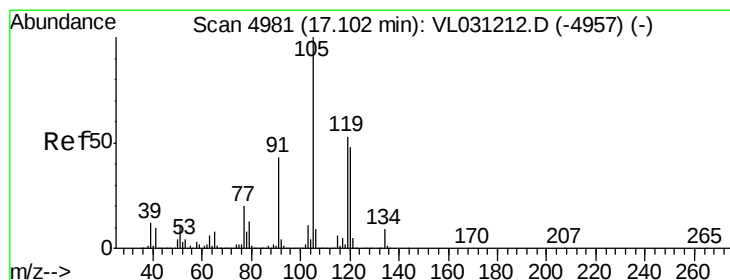
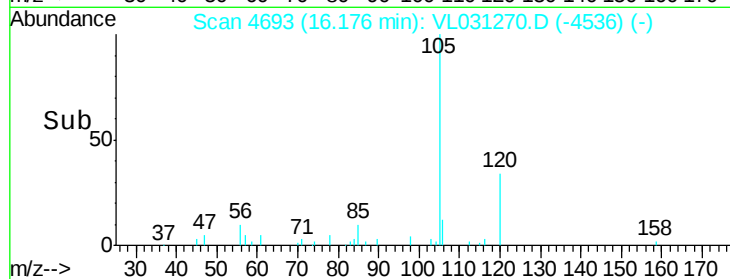
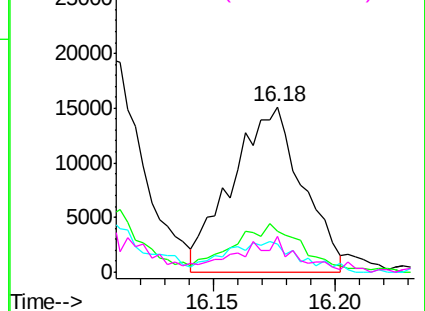


Abundance Ion 105.10 (104.80 to 105.80): V

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



#74

1,2,4-Trimethylbenzene

Concen: 0.05 ppbv

RT: 17.11 min Scan# 4982

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Tgt Ion:105 Resp: 25067

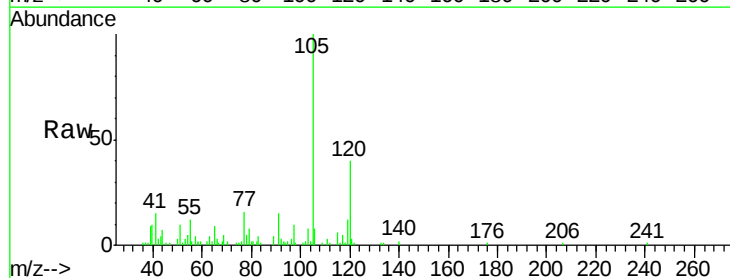
Ion Ratio Lower Upper

105 100

120 42.6 38.6 58.0

91 14.3 34.2 51.4#

77 13.6 16.1 24.1#

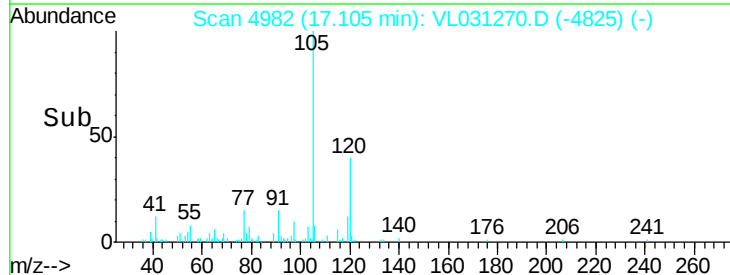
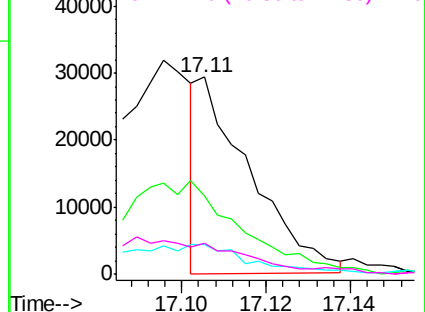


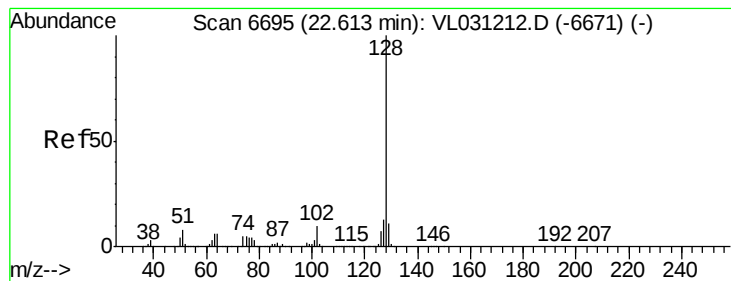
Abundance Ion 105.10 (104.80 to 105.80): V

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





#79

Naphthalene

Concen: 0.04 ppbv

RT: 22.61 min Scan# 6695

Delta R.T. 0.00 min

Lab File: VL031270.D

Acq: 20 Dec 2017 14:46

Instrument :

MSVOA_L

ClientSampleId :

T5P1

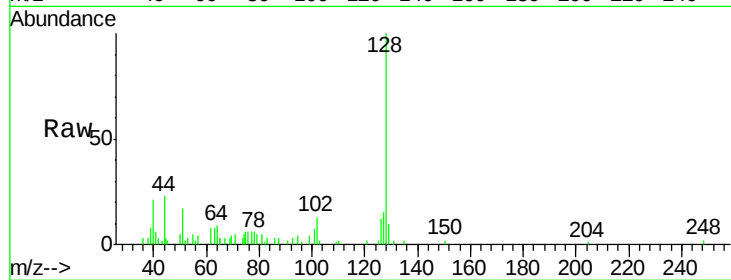
Tgt Ion:128 Resp: 17268

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 7.7 8.9 13.3#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

