

Data File : VL032934.D
Acq On : 7 Dec 2018 14:33
Operator : SY/AP
Sample : J6262-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Dec 08 01:59:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1069239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2766249	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2631785	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2011457	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	30486	0.214	ppbv	97
3) Chlorodifluoromethane	3.02	51	82888	1.024	ppbv #	79
4) Chloromethane	3.17	50	35951	0.763	ppbv	98
9) Propene	3.24	41	63703	1.990	ppbv	88
10) Heptane	8.25	43	49519	0.412	ppbv	98
11) Trichlorofluoromethane	4.01	101	35046	0.261	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.56	101	9755	0.085	ppbv	98
13) Ethanol	3.66	45	1339827	121.531	ppbv	97
15) Acetone	3.90	43	1998521	21.776	ppbv	98
16) 1,3-Butadiene	3.35	39	8735	0.240	ppbv #	4
17) tert-Butyl alcohol	4.37	59	3296	0.141	ppbv #	98
19) Isopropyl Alcohol	4.03	45	735289	12.758	ppbv #	1
20) Methylene Chloride	4.41	84	106714	2.379	ppbv	96
21) Allyl Chloride	4.67	41	22897	0.306	ppbv #	75
23) Vinyl Acetate	5.15	43	117310	0.755	ppbv #	26
25) Ethyl Acetate	5.78	43	624430	2.880	ppbv #	89
26) Hexane	5.78	57	588095	5.875	ppbv #	58
29) Chloroform	5.85	83	19450	0.109	ppbv	100
30) Cyclohexane	7.25	84	15248	0.184	ppbv #	9
31) cis-1,2-Dichloroethene	5.64	61	16221	0.177	ppbv	90
34) 2-Butanone	5.34	43	240350	1.995	ppbv	99
36) Benzene	7.01	78	34061	0.167	ppbv	96
38) Trichloroethene	7.97	130	19497	0.230	ppbv	94
39) 1,2-Dichloropropane	7.30	63	678750	8.796	ppbv #	20
41) Tetrahydrofuran	6.43	42	8996	0.120	ppbv #	36
43) Methyl Methacrylate	8.14	69	236068	3.131	ppbv	97
44) 2,2,4-Trimethylpentane	8.00	57	124185	0.360	ppbv #	78
52) Tetrachloroethene	11.38	164	238344	3.220	ppbv	99
53) Toluene	9.95	91	2151804	9.972	ppbv	100
58) Ethyl Benzene	12.87	91	28179	0.100	ppbv	92
59) m/p-Xylene	13.13	91	175529	0.690	ppbv #	100
60) o-Xylene	13.85	91	34983	0.136	ppbv #	32
65) tert-Butylbenzene	16.92	119	11510	0.035	ppbv #	1
72) 4-Ethyltoluene	16.01	105	26944	0.094	ppbv #	50
73) 1,3,5-Trimethylbenzene	16.16	105	14484	0.052	ppbv #	71
74) 1,2,4-Trimethylbenzene	16.93	105	144715	0.457	ppbv #	68
79) Naphthalene	22.42	128	10449	0.051	ppbv #	77
80) Naphthalene,2-methyl-	25.12	142	7672	0.176	ppbv #	88

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

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Instrument :
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IA1

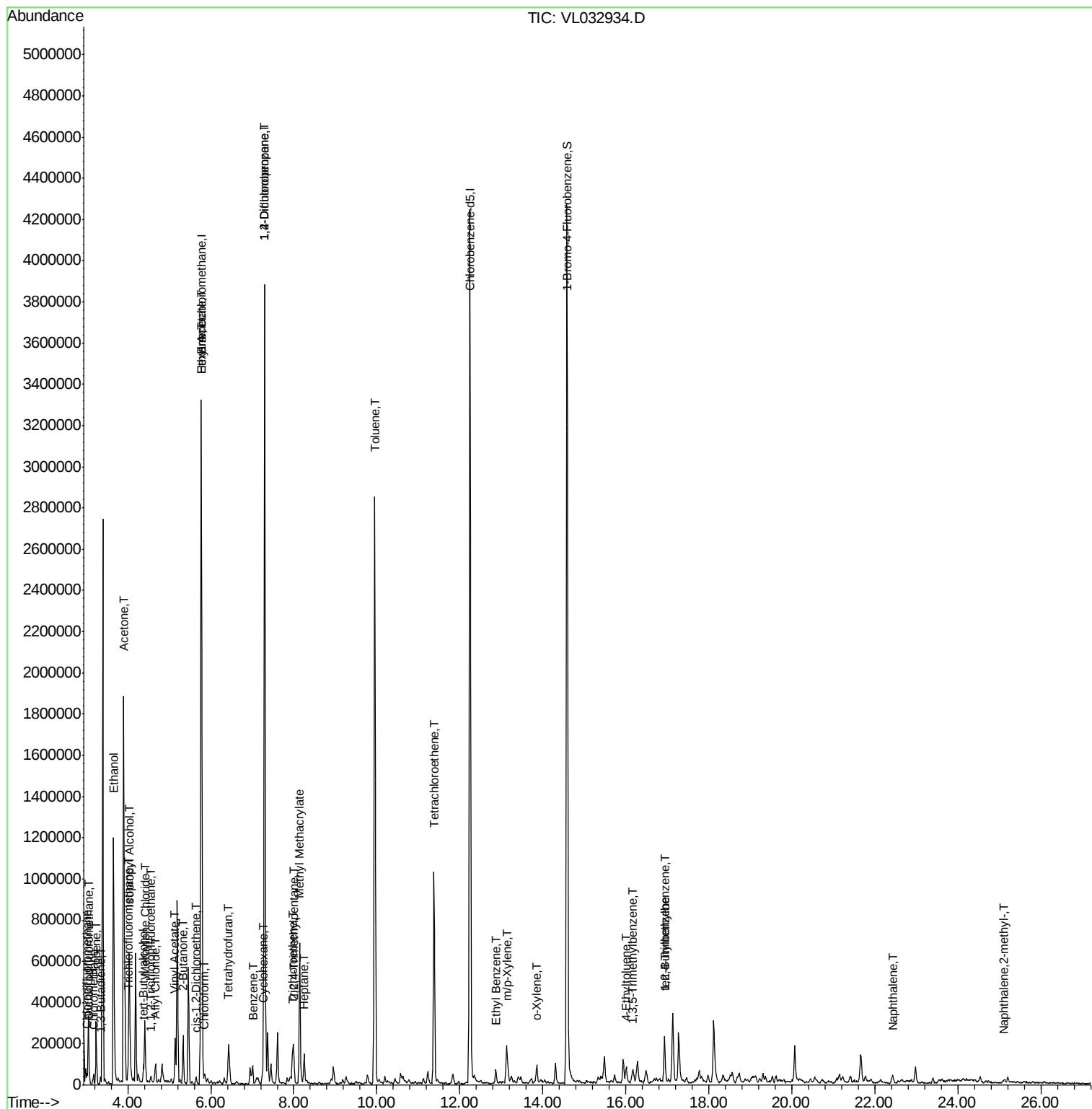
Quant Time: Dec 08 01:59:28 2018

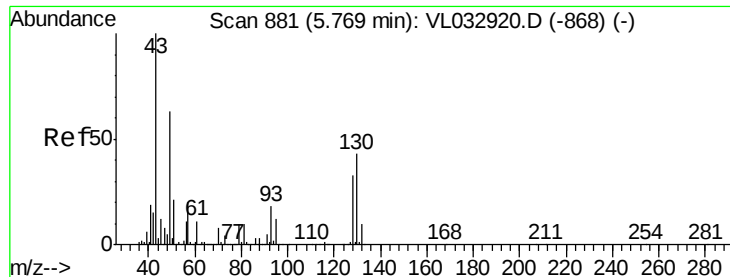
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL120718AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018

QLast Update : Fri Dec 07 09:35:17 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

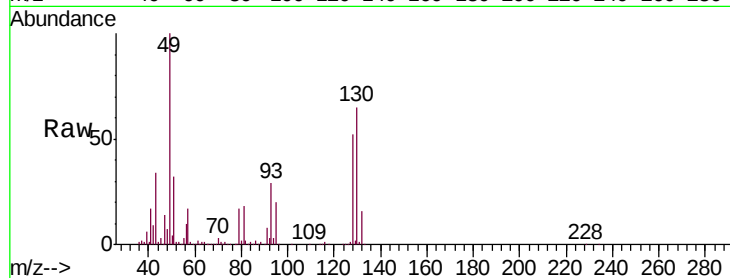
Tgt Ion: 49 Resp: 1069239

Ion Ratio Lower Upper

49 100

128 52.2 26.3 78.8

130 66.7 33.9 101.7



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

800000

600000

400000

200000

0

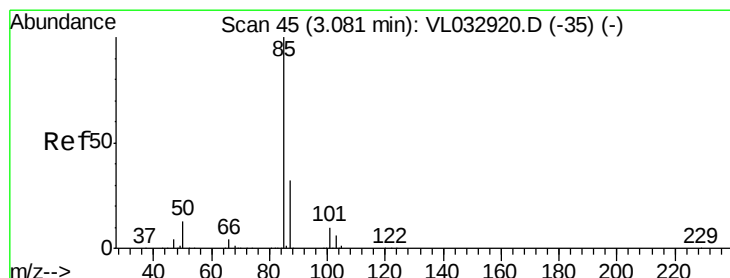
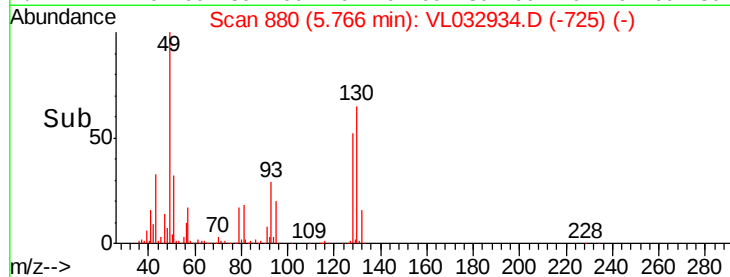
5.77

5.70

5.80

5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.214 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL032934.D

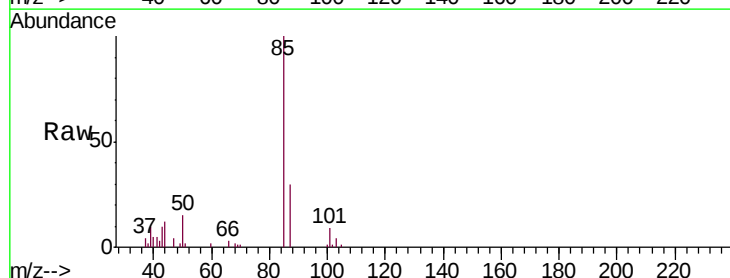
Acq: 7 Dec 2018 14:33

Tgt Ion: 85 Resp: 30486

Ion Ratio Lower Upper

85 100

87 30.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

25000

20000

15000

10000

5000

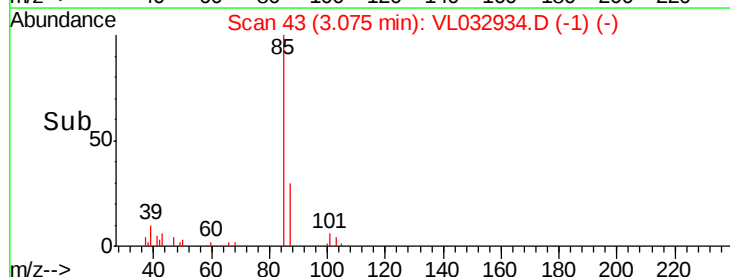
0

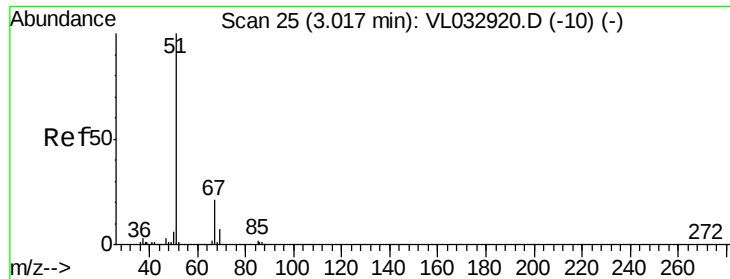
3.08

3.05

3.10

Time-->





#3

Chlorodifluoromethane

Concen: 1.024 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

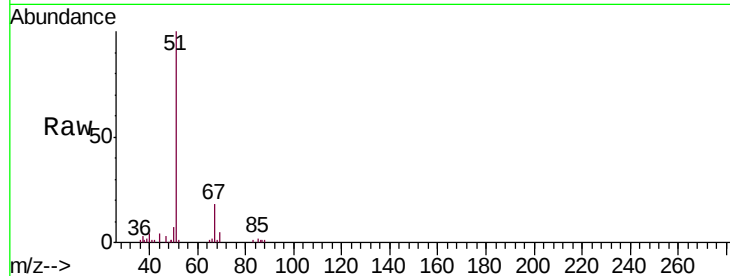
IA1

Tgt Ion: 51 Resp: 82888

Ion Ratio Lower Upper

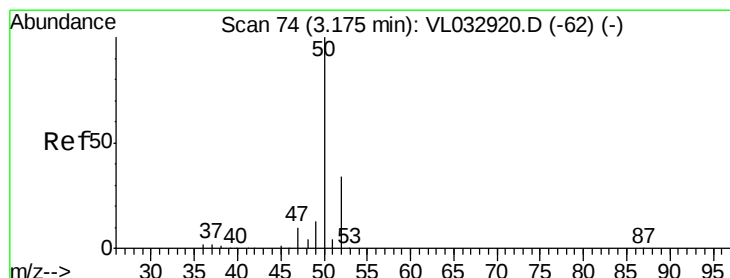
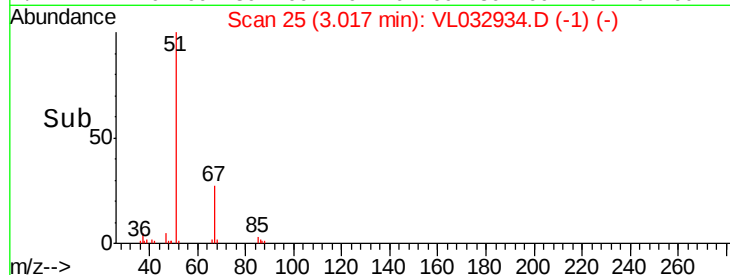
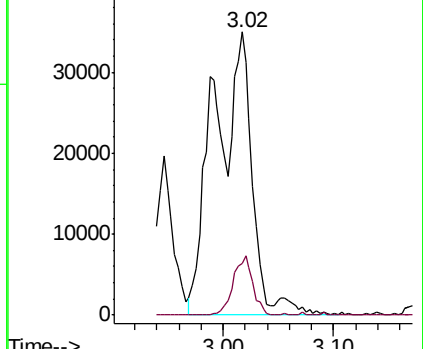
51 100

67 11.0 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.763 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032934.D

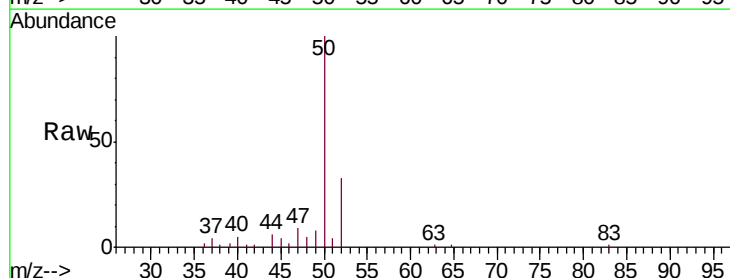
Acq: 7 Dec 2018 14:33

Tgt Ion: 50 Resp: 35951

Ion Ratio Lower Upper

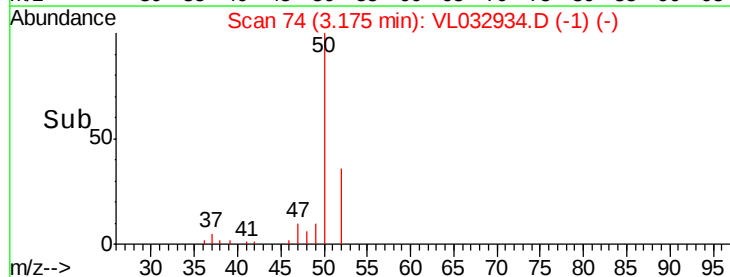
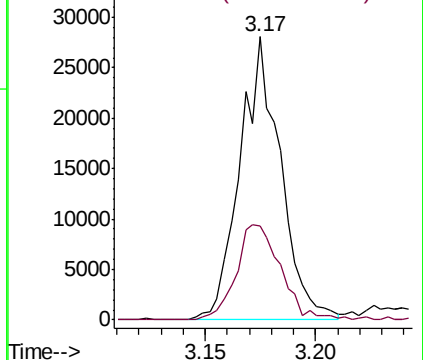
50 100

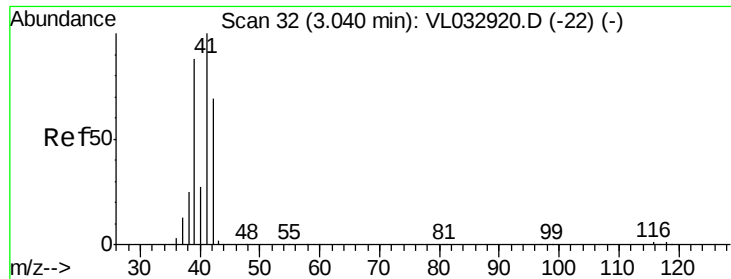
52 33.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.990 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

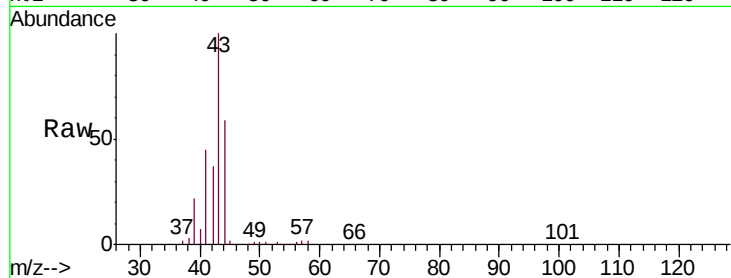
IA1

Tgt Ion: 41 Resp: 63703

Ion Ratio Lower Upper

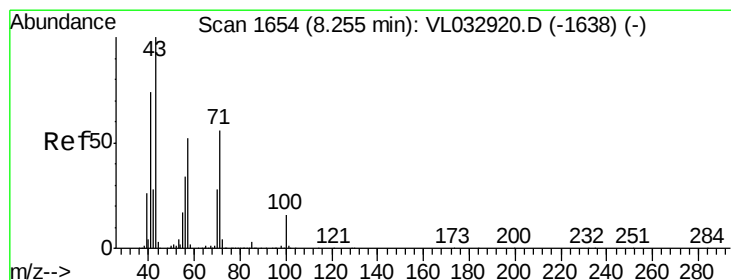
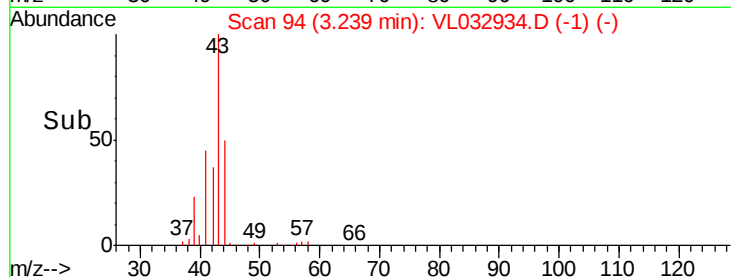
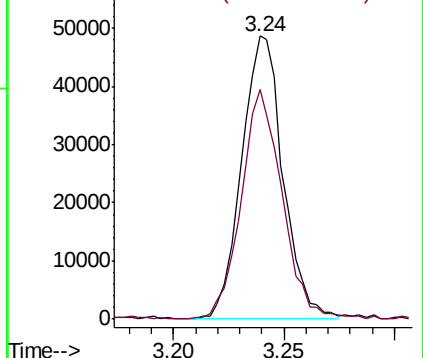
41 100

42 80.2 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.412 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VL032934.D

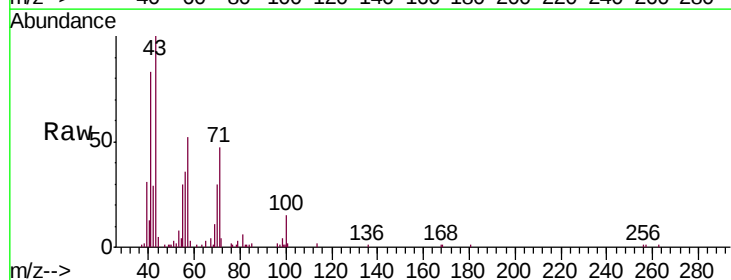
Acq: 7 Dec 2018 14:33

Tgt Ion: 43 Resp: 49519

Ion Ratio Lower Upper

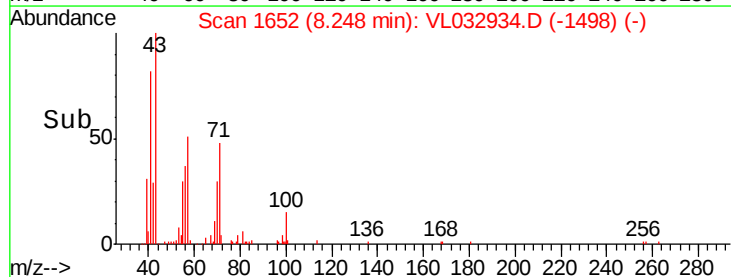
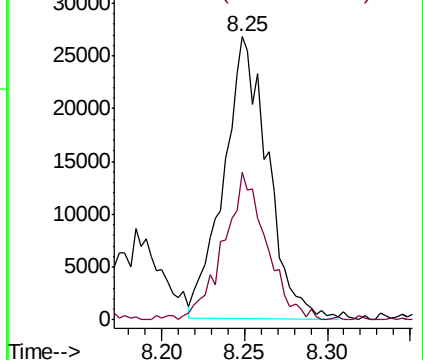
43 100

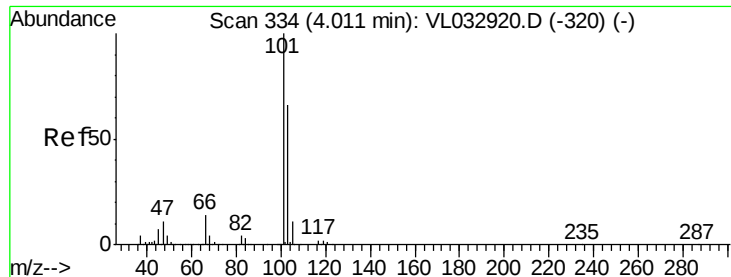
57 51.0 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

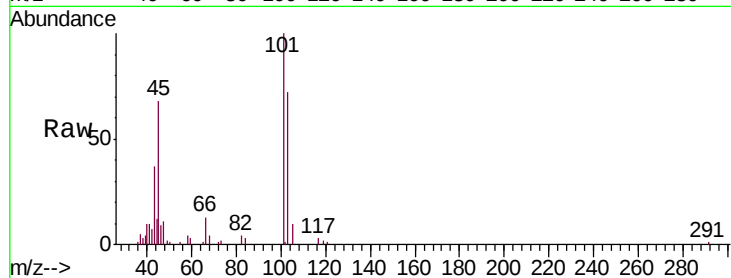
IA1

Tgt Ion:101 Resp: 35046

Ion Ratio Lower Upper

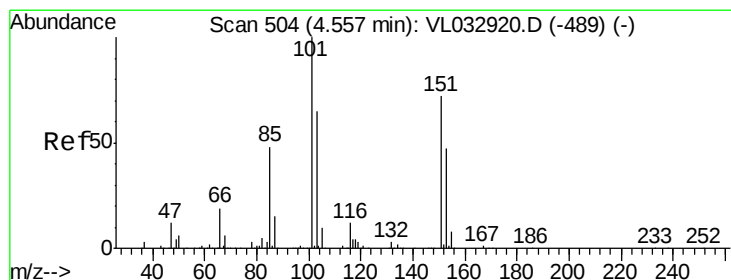
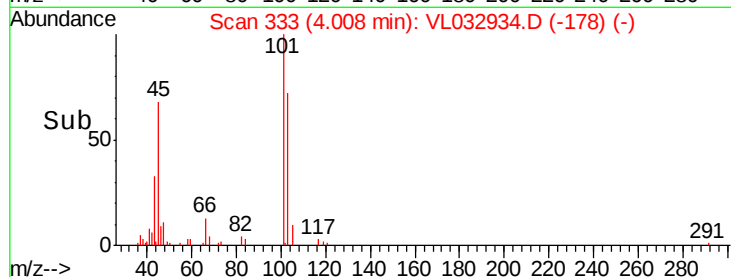
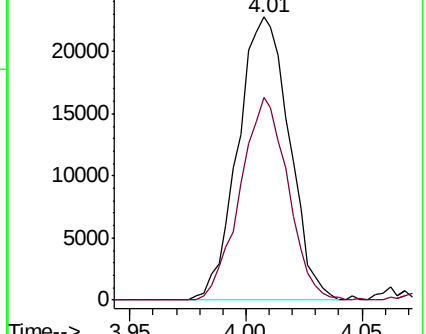
101 100

103 71.5 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.085 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL032934.D

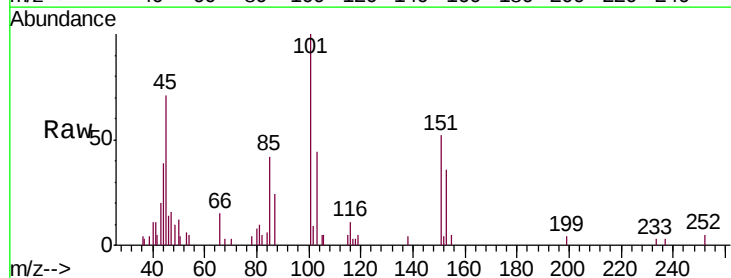
Acq: 7 Dec 2018 14:33

Tgt Ion:101 Resp: 9755

Ion Ratio Lower Upper

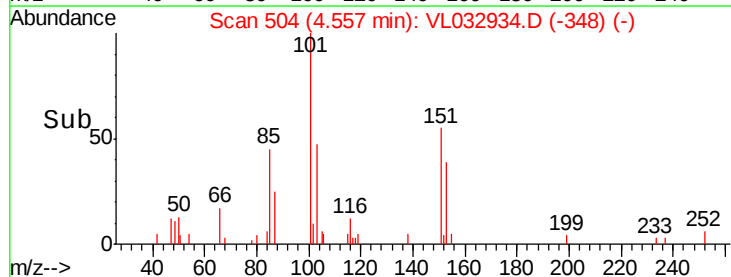
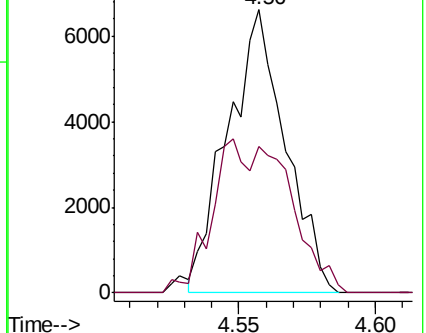
101 100

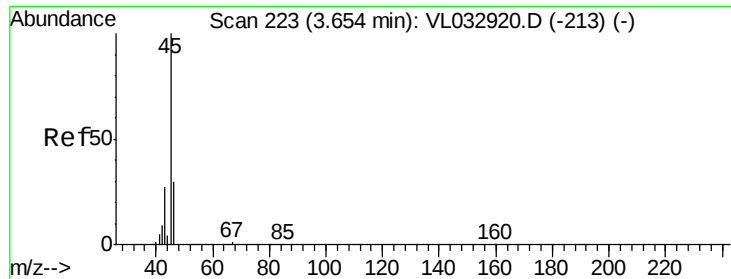
151 72.1 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 121.531 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

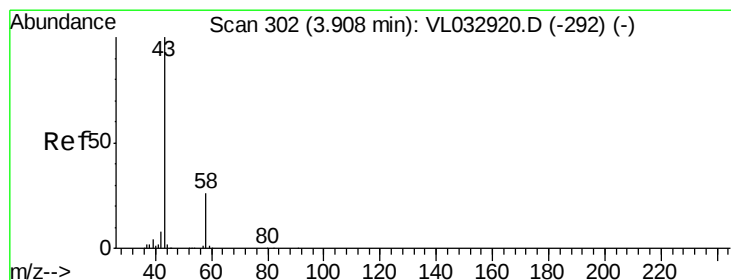
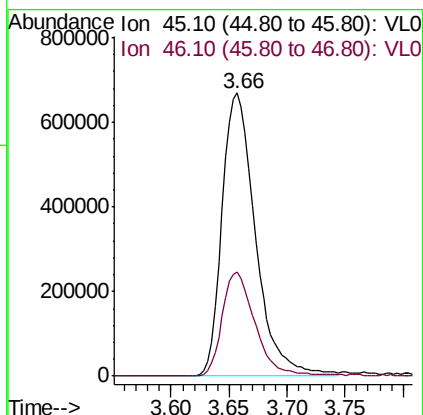
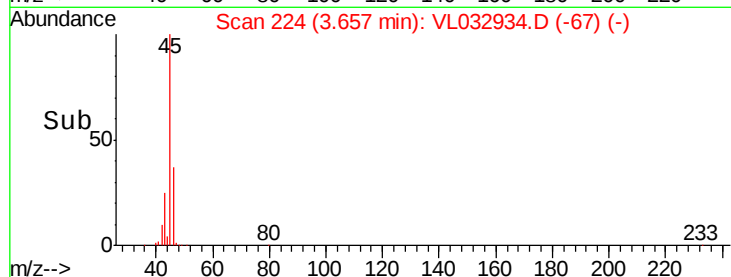
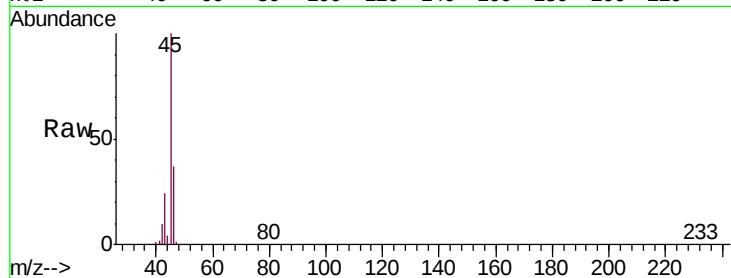
IA1

Tgt Ion: 45 Resp: 1339827

Ion Ratio Lower Upper

45 100

46 36.4 13.8 55.4



#15

Acetone

Concen: 21.776 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032934.D

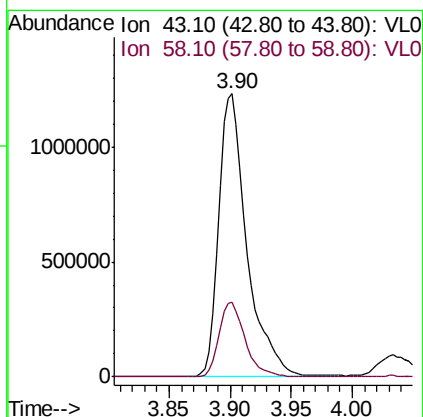
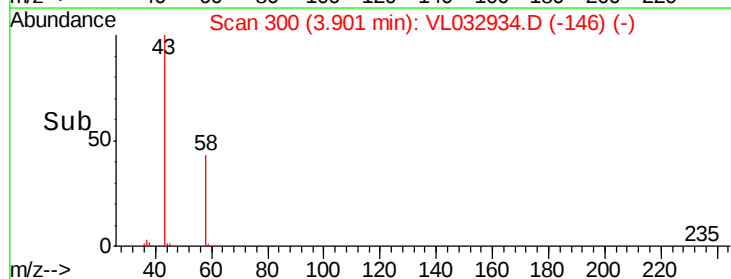
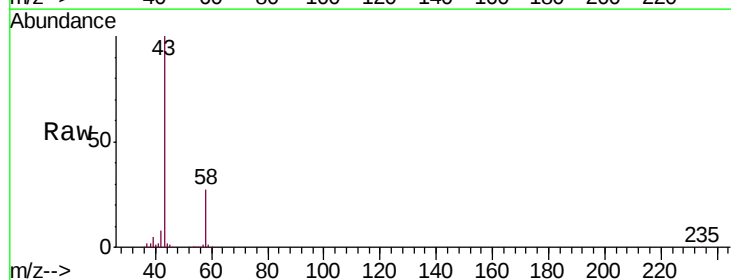
Acq: 7 Dec 2018 14:33

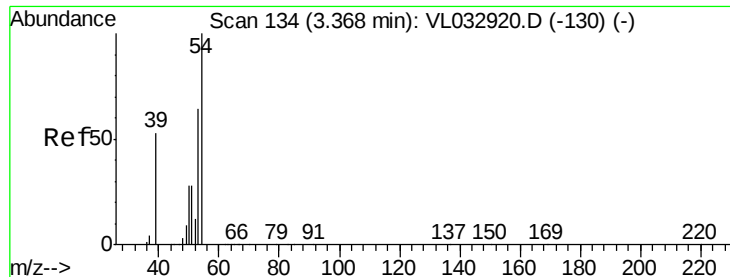
Tgt Ion: 43 Resp: 1998521

Ion Ratio Lower Upper

43 100

58 24.6 20.6 30.8





#16

1,3-Butadiene

Concen: 0.240 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.02 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

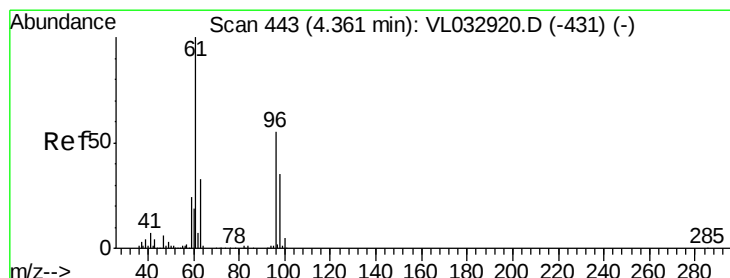
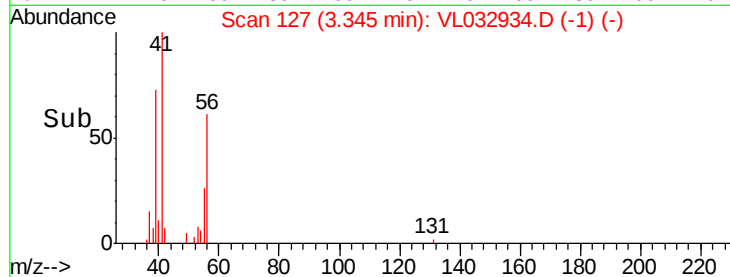
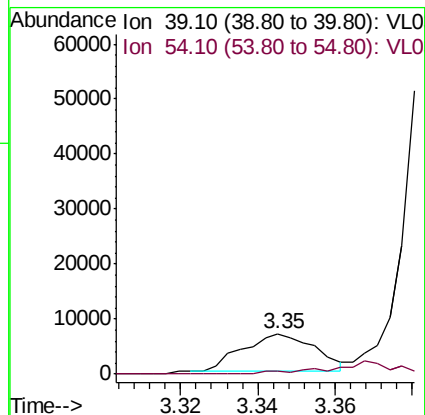
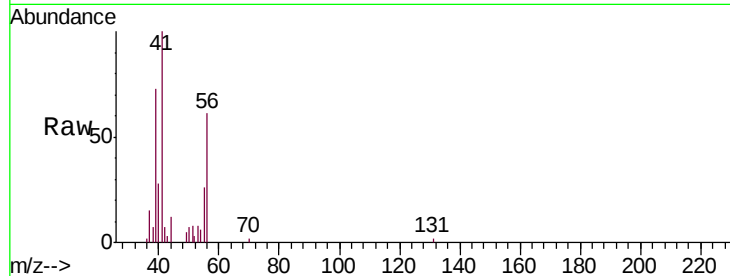
IA1

Tgt Ion: 39 Resp: 8735

Ion Ratio Lower Upper

39 100

54 0.0 72.7 109.1#



#17

tert-Butyl alcohol

Concen: 0.141 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.01 min

Lab File: VL032934.D

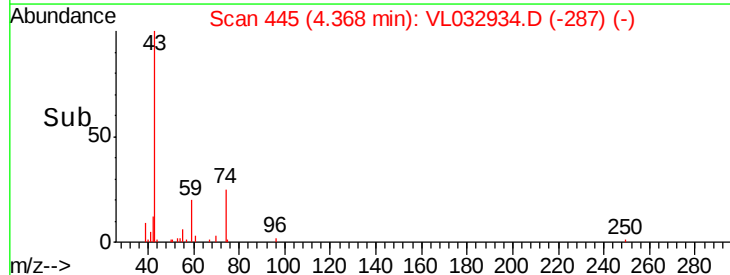
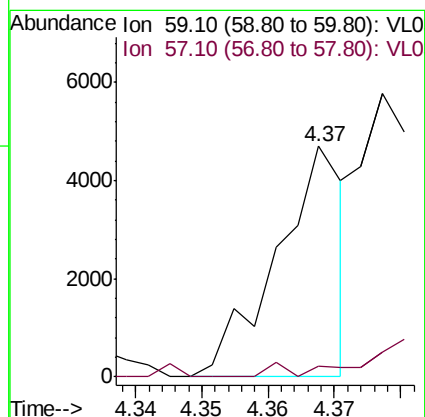
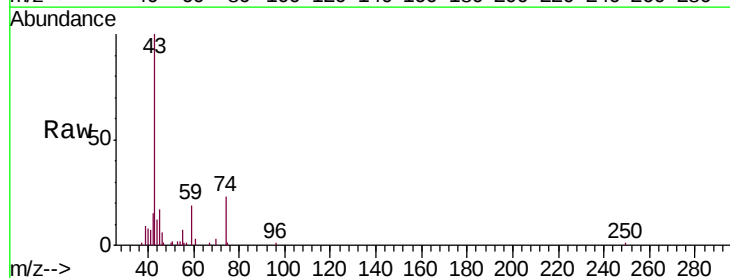
Acq: 7 Dec 2018 14:33

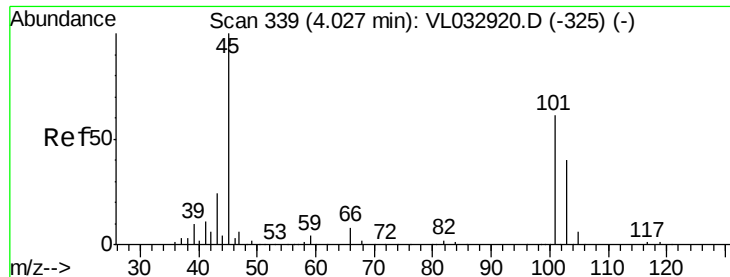
Tgt Ion: 59 Resp: 3296

Ion Ratio Lower Upper

59 100

57 0.0 0.6 1.0#





#19

Isopropyl Alcohol

Concen: 12.758 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

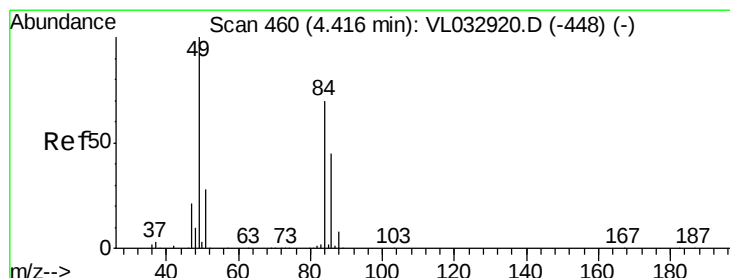
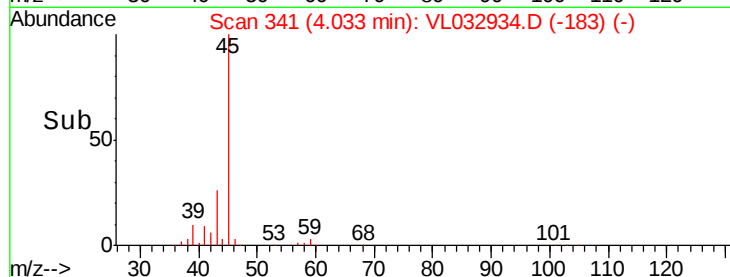
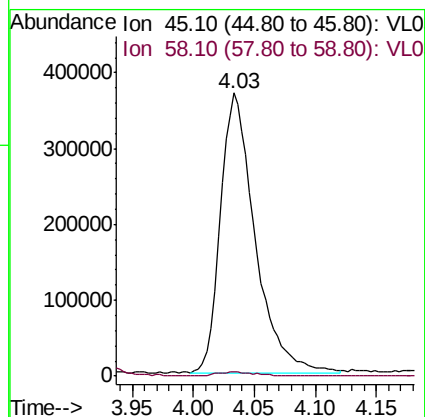
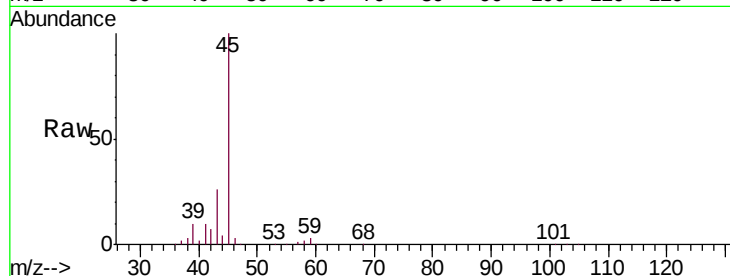
IA1

Tgt Ion: 45 Resp: 735289

Ion Ratio Lower Upper

45 100

58 67.2 1.4 2.2#



#20

Methylene Chloride

Concen: 2.379 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Tgt Ion: 84 Resp: 106714

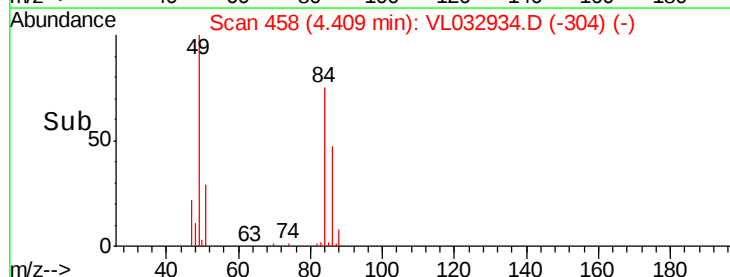
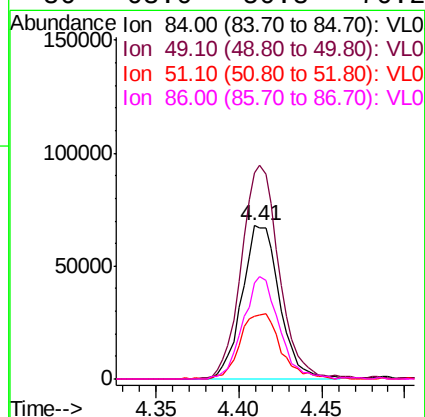
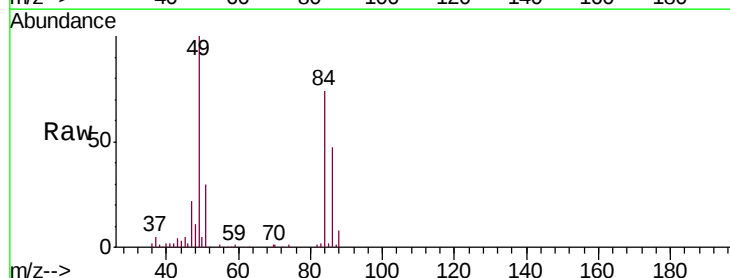
Ion Ratio Lower Upper

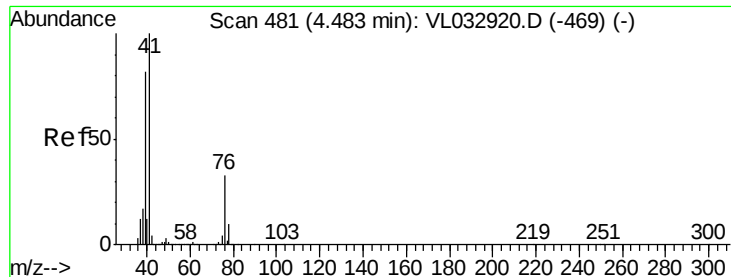
84 100

49 134.4 113.8 170.8

51 40.4 31.8 47.8

86 63.0 50.8 76.2





#21

Allyl Chloride

Concen: 0.306 ppbv

RT: 4.67 min Scan# 538

Delta R.T. 0.18 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

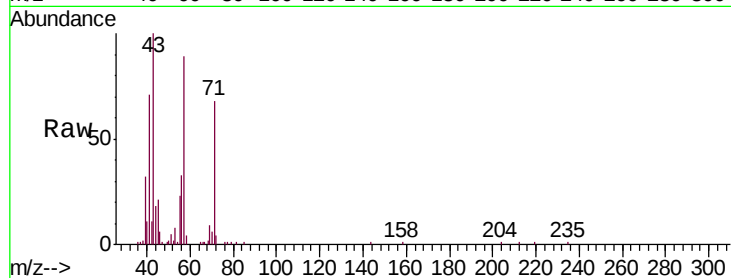
Tgt Ion: 41 Resp: 22897

Ion Ratio Lower Upper

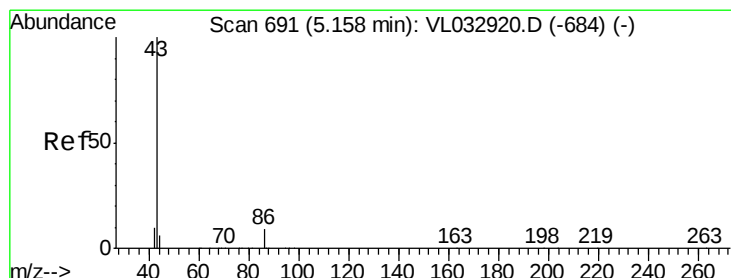
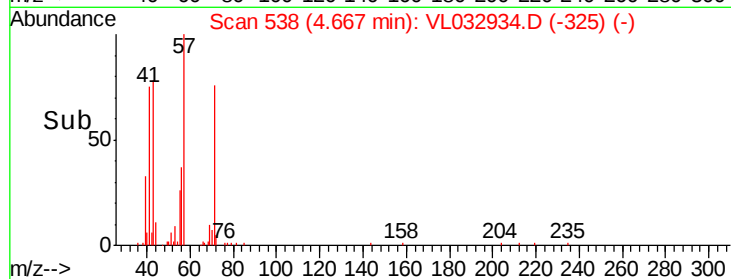
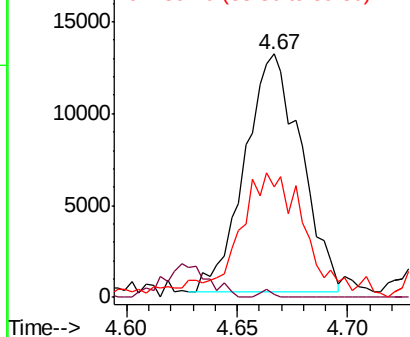
41 100

76 12.1 25.2 37.8#

39 62.8 65.2 97.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.755 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Tgt Ion: 43 Resp: 117310

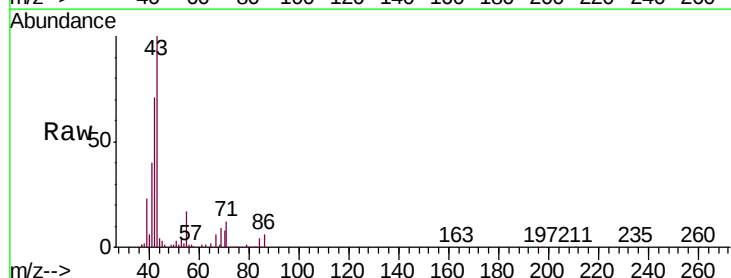
Ion Ratio Lower Upper

43 100

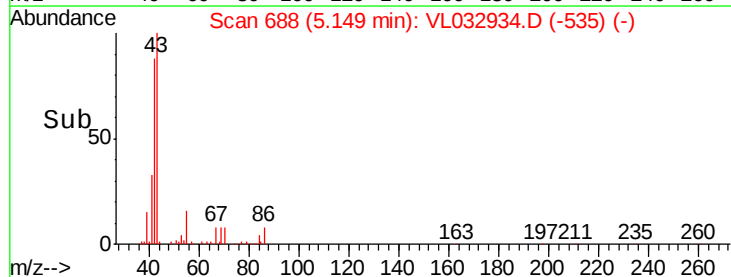
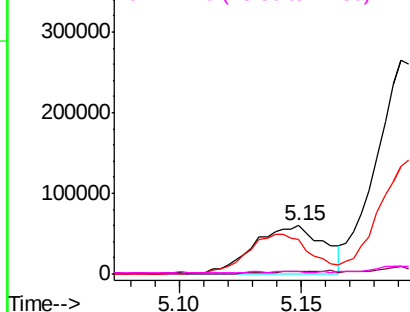
86 6.5 6.6 9.8#

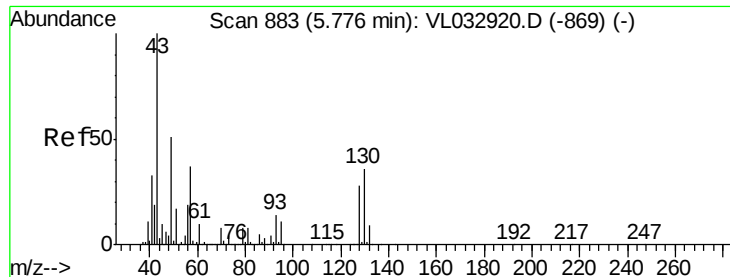
42 69.7 8.3 12.5#

44 1.0 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

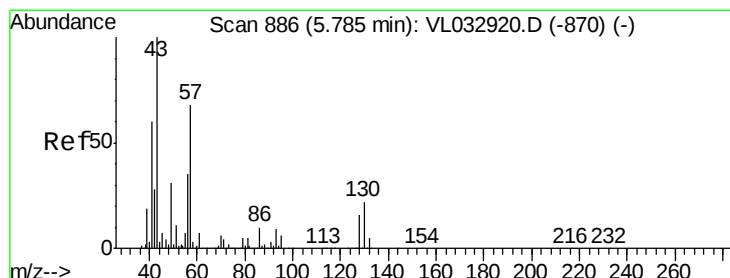
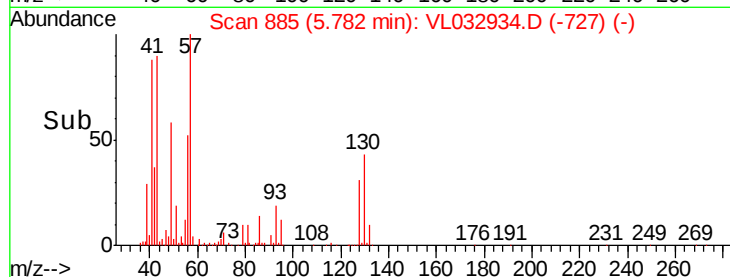
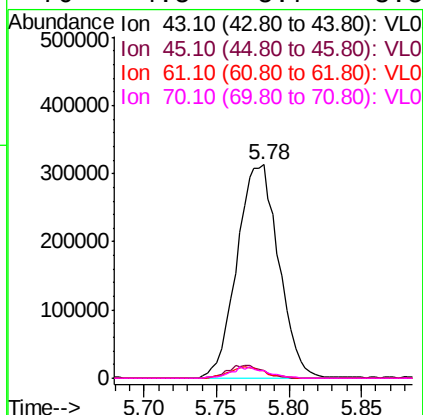
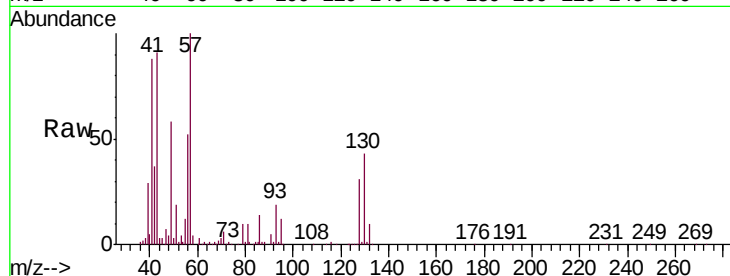




#25
Ethyl Acetate
Concen: 2.880 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

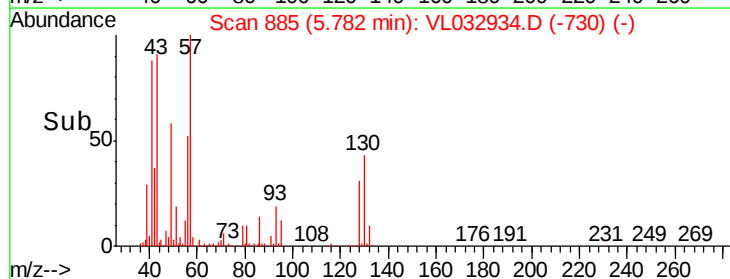
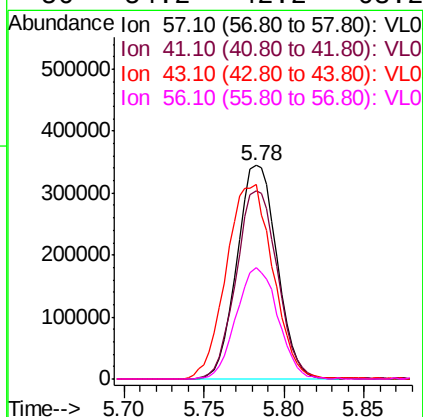
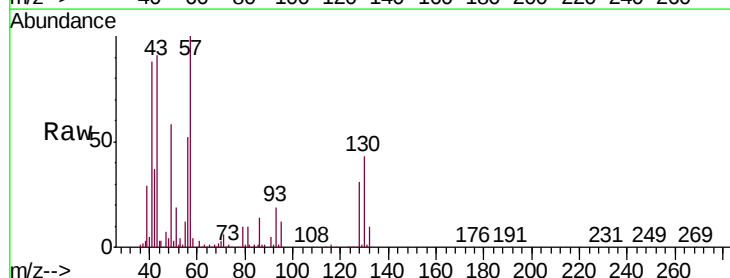
Instrument :
MSVOA_L
ClientSampleId :
IA1

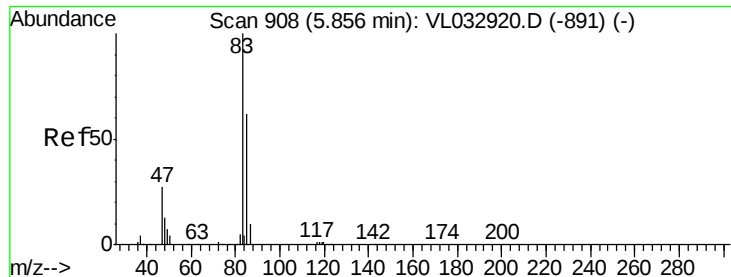
Tgt Ion:	43	Resp:	624430
Ion	Ratio	Lower	Upper
43	100		
45	5.3	7.8	11.6#
61	4.6	7.4	11.2#
70	4.5	5.7	8.5#



#26
Hexane
Concen: 5.875 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

Tgt Ion:	57	Resp:	588095
Ion	Ratio	Lower	Upper
57	100		
41	91.3	72.2	108.2
43	106.9	171.9	257.9#
56	54.2	42.2	63.2

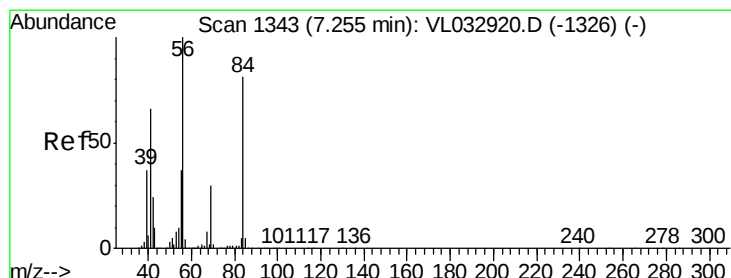
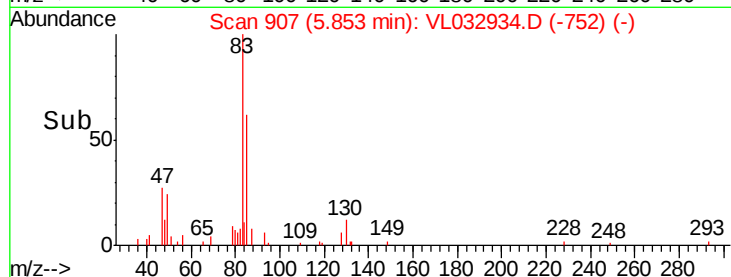
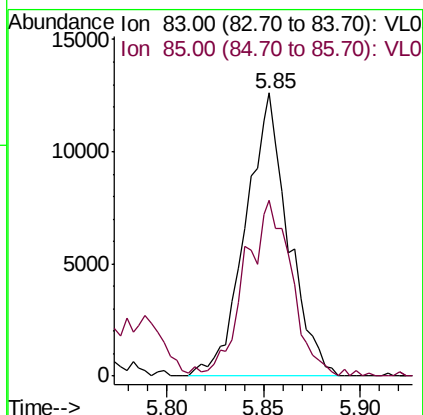
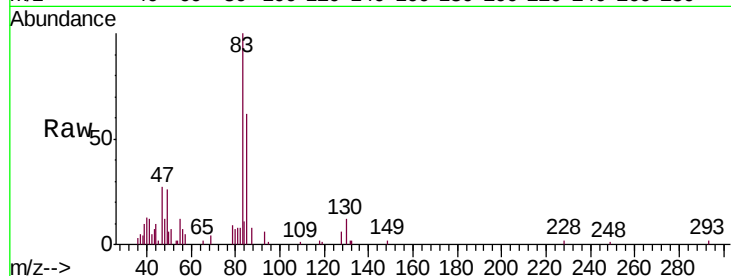




#29
Chloroform
Concen: 0.109 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

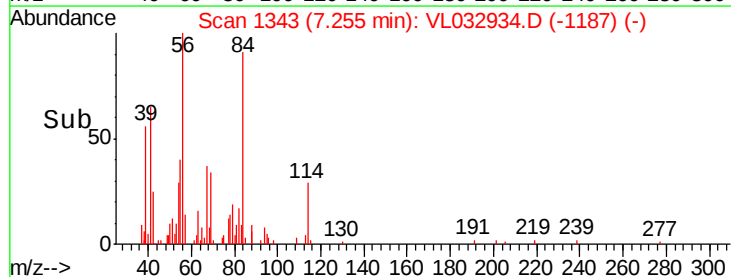
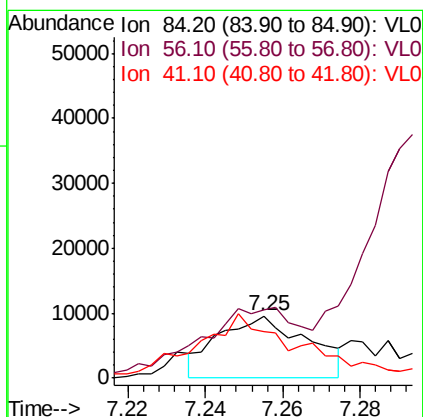
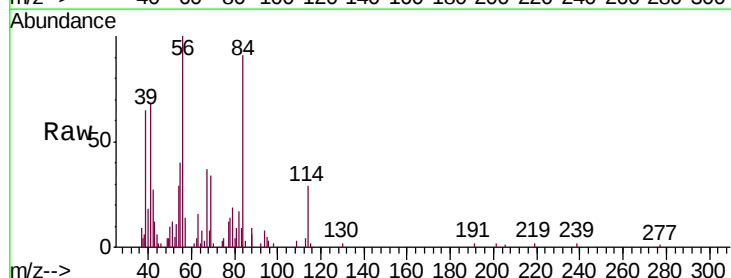
Instrument :
MSVOA_L
ClientSampleId :
IA1

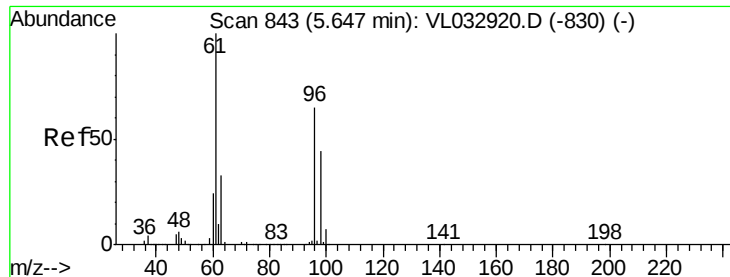
Tgt Ion: 83 Resp: 19450
Ion Ratio Lower Upper
83 100
85 62.2 49.8 74.8



#30
Cyclohexane
Concen: 0.184 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

Tgt Ion: 84 Resp: 15248
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 132.1 64.1 96.1#



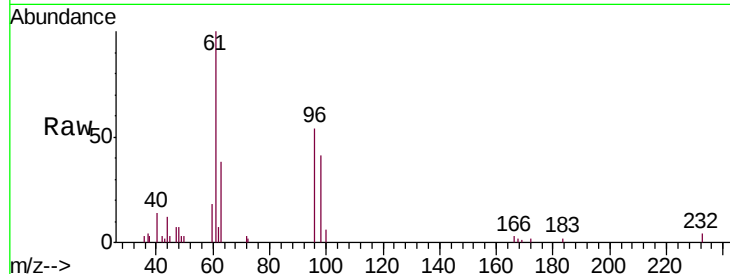


#31

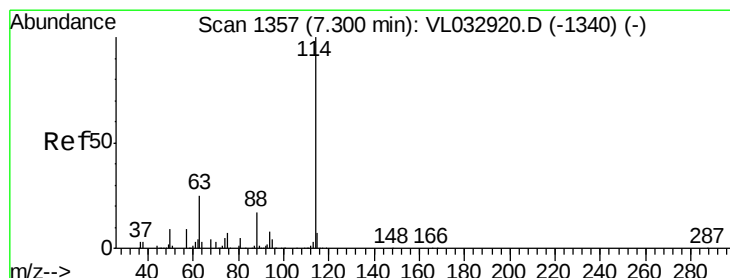
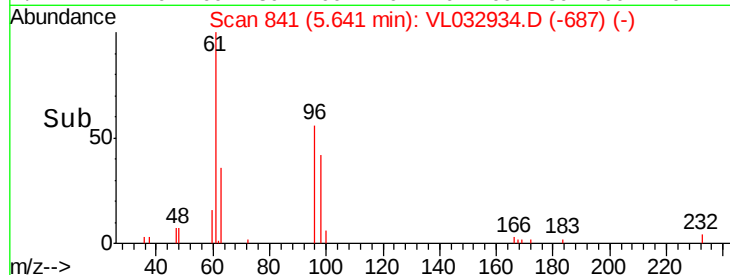
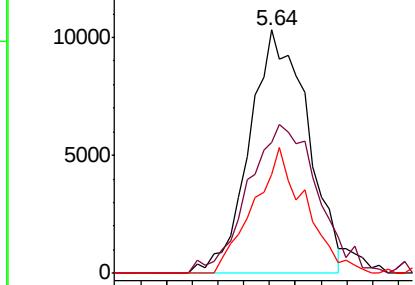
cis-1,2-Dichloroethene
 Concen: 0.177 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion:	61	Resp:	16221
Ion	Ratio	Lower	Upper
61	100		
96	53.9	51.9	77.9
98	40.7	35.0	52.4



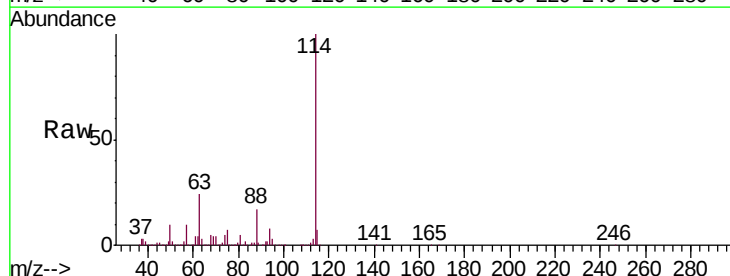
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



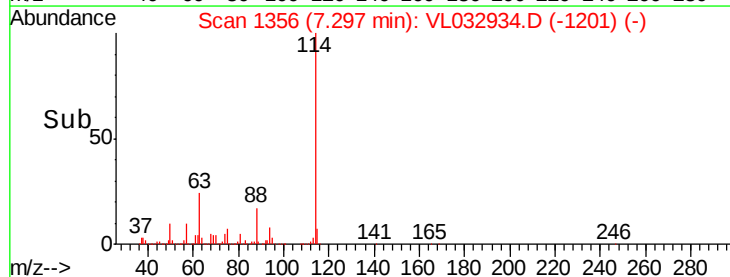
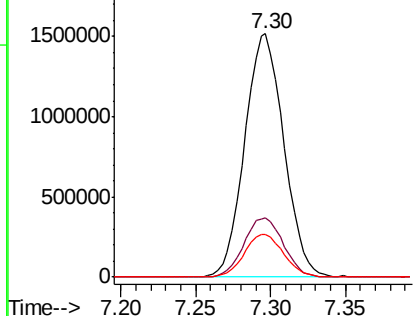
#33

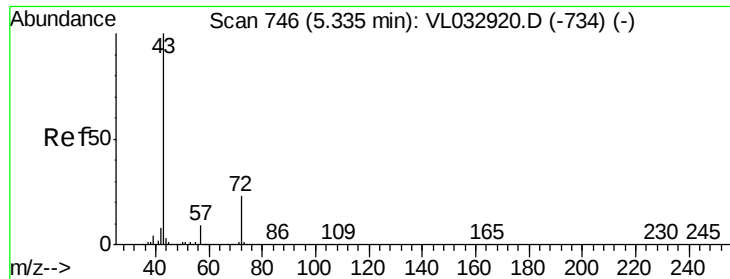
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

Tgt Ion:	114	Resp:	2766249
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.8	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

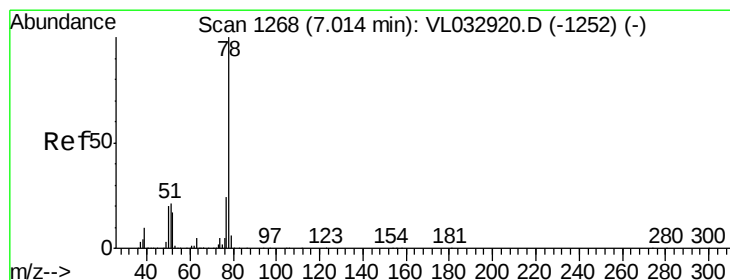
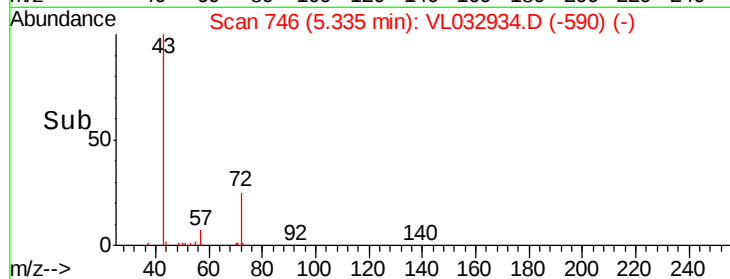
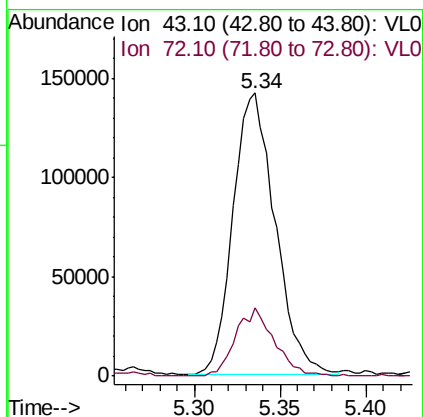
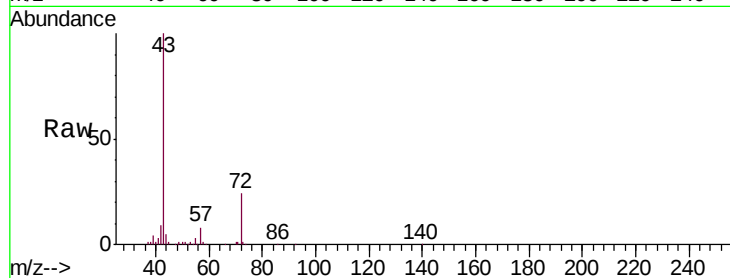




#34
2-Butanone
Concen: 1.995 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

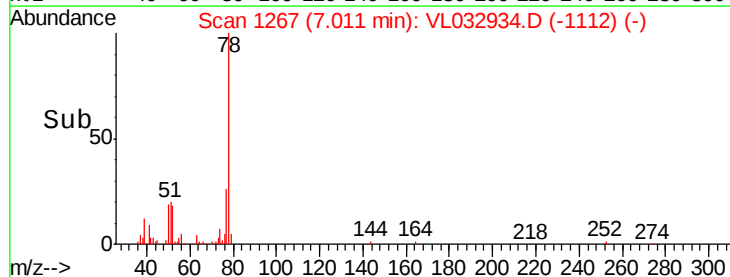
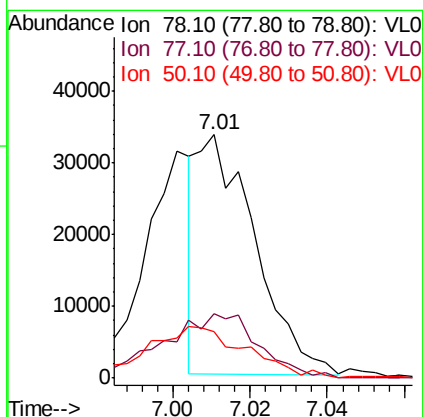
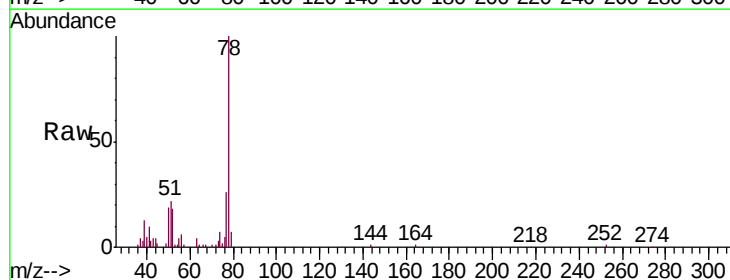
Instrument :
MSVOA_L
ClientSampleId :
IA1

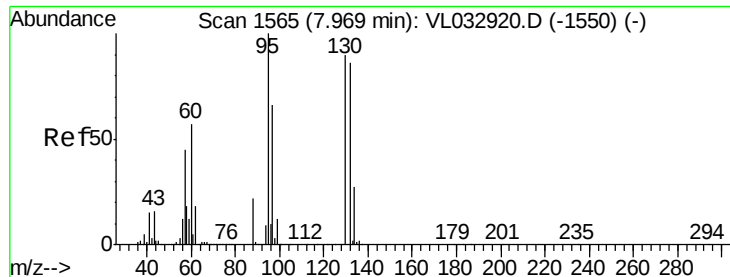
Tgt Ion: 43 Resp: 240350
Ion Ratio Lower Upper
43 100
72 22.8 18.8 28.2



#36
Benzene
Concen: 0.167 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

Tgt Ion: 78 Resp: 34061
Ion Ratio Lower Upper
78 100
77 26.8 18.9 28.3
50 19.5 16.1 24.1





#38

Trichloroethene

Concen: 0.230 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:130 Resp: 19497

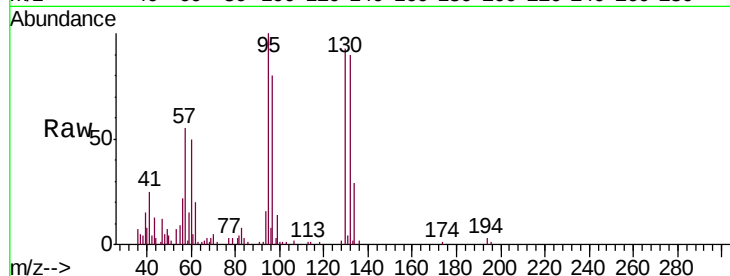
Ion Ratio Lower Upper

130 100

95 104.3 88.6 132.8

132 96.0 76.1 114.1

97 81.9 58.0 87.0

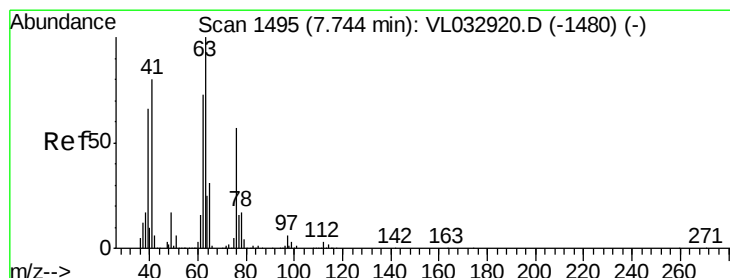
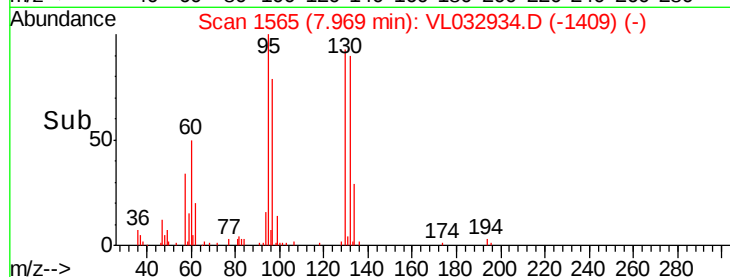
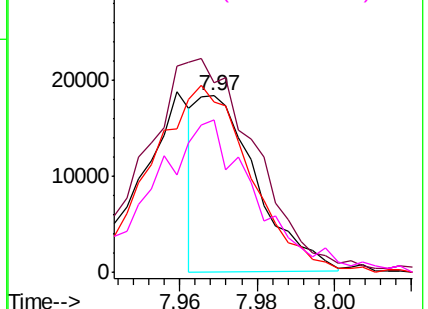


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.796 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

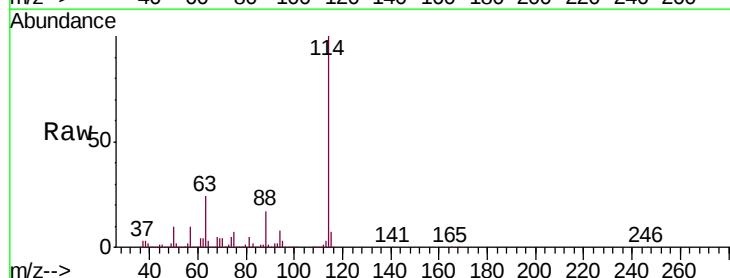
Tgt Ion: 63 Resp: 678750

Ion Ratio Lower Upper

63 100

41 0.0 63.9 95.9#

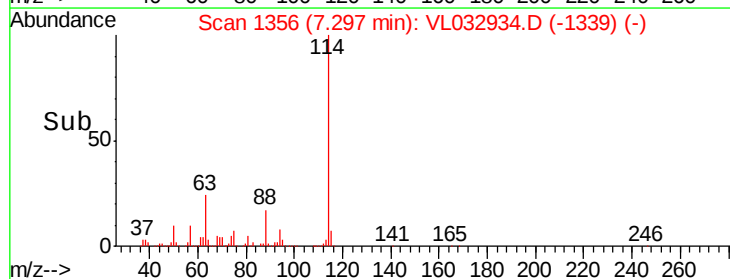
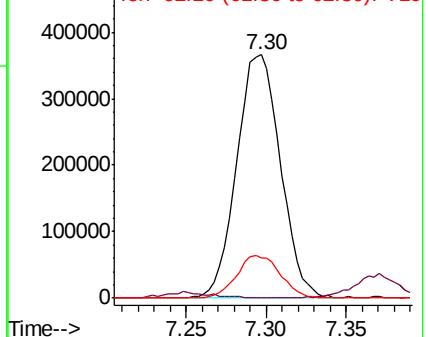
62 16.6 58.8 88.2#

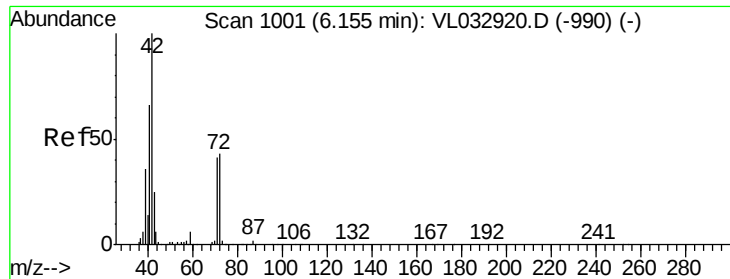


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.120 ppbv

RT: 6.43 min Scan# 1085

Delta R.T. 0.27 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

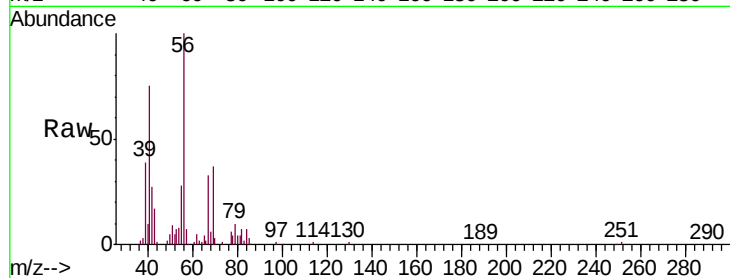
Tgt Ion: 42 Resp: 8996

Ion Ratio Lower Upper

42 100

72 1.0 32.9 49.3#

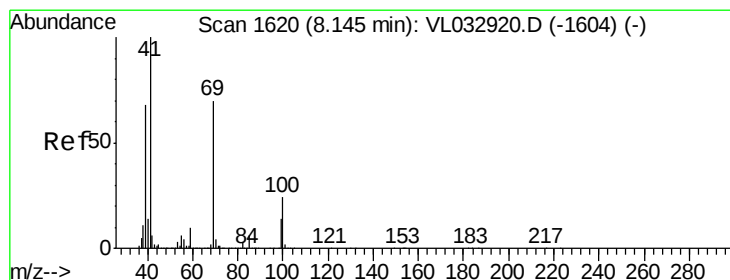
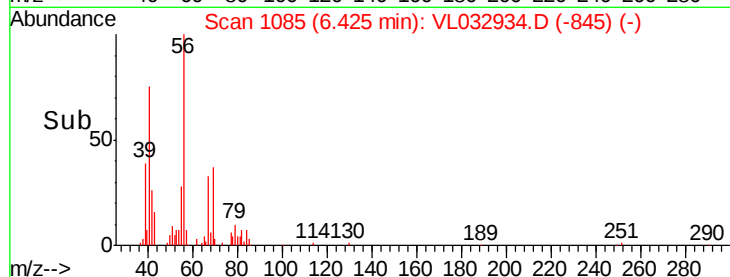
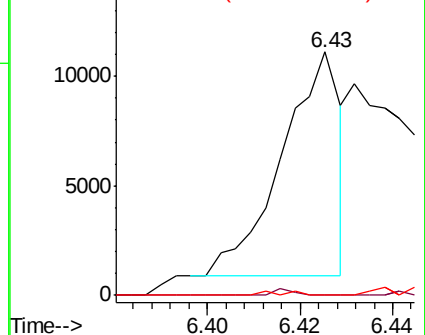
71 0.0 32.0 48.0#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 3.131 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

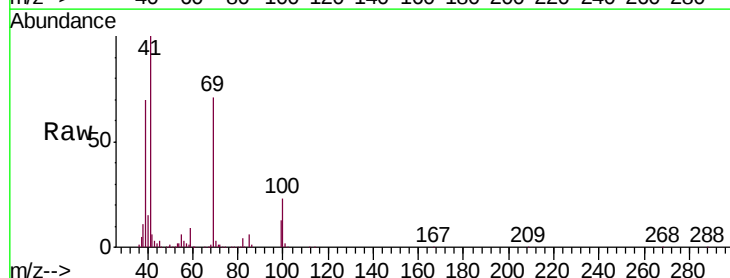
Tgt Ion: 69 Resp: 236068

Ion Ratio Lower Upper

69 100

41 150.0 116.6 175.0

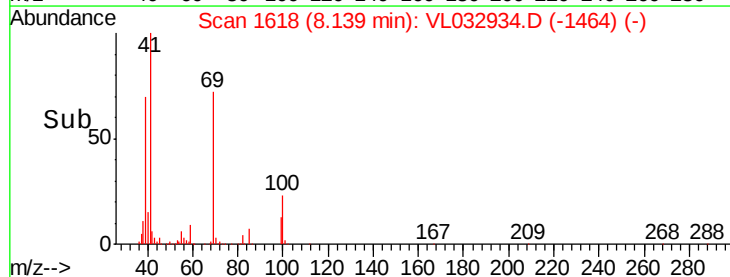
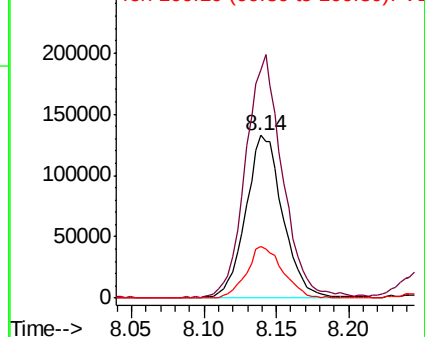
100 31.3 26.5 39.7

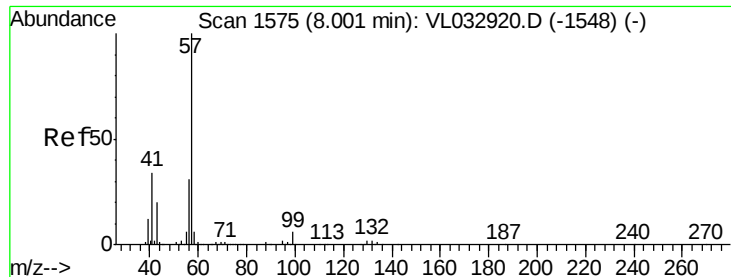


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

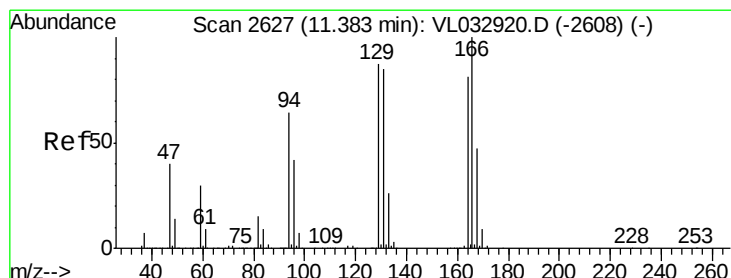
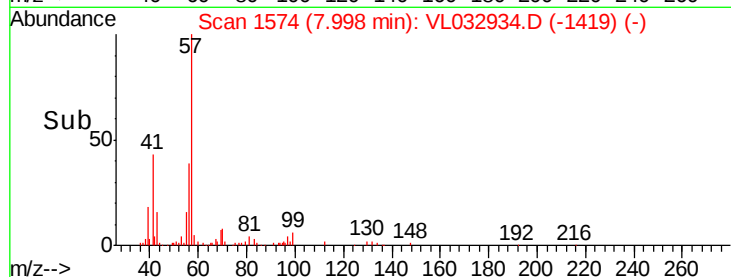
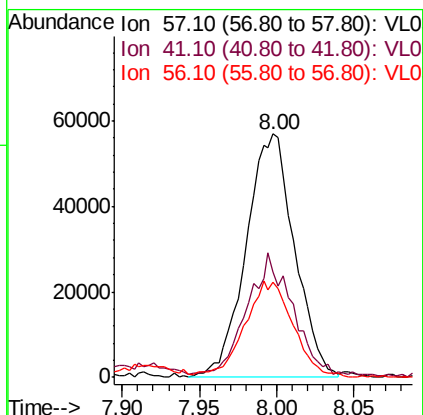
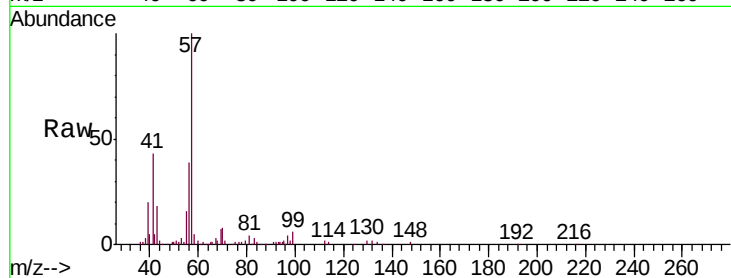




#44
 2,2,4-Trimethylpentane
 Concen: 0.360 ppbv
 RT: 8.00 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

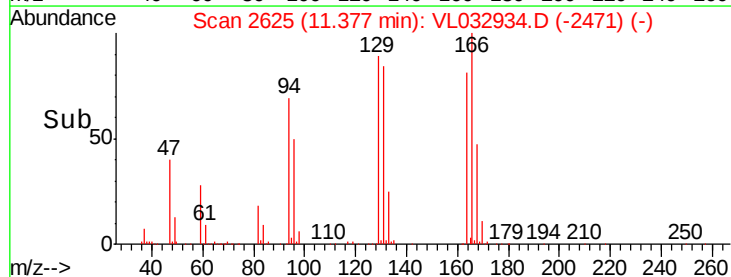
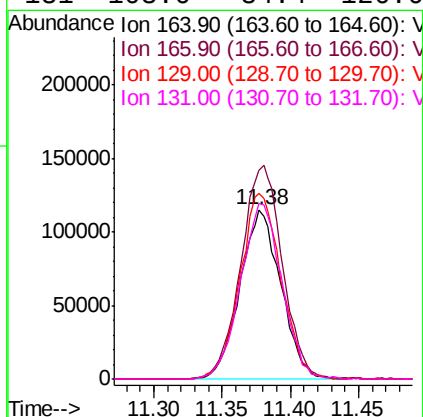
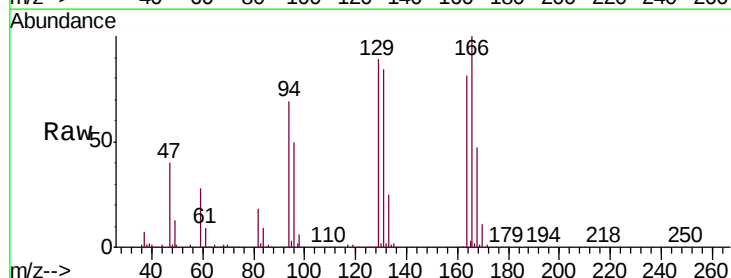
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

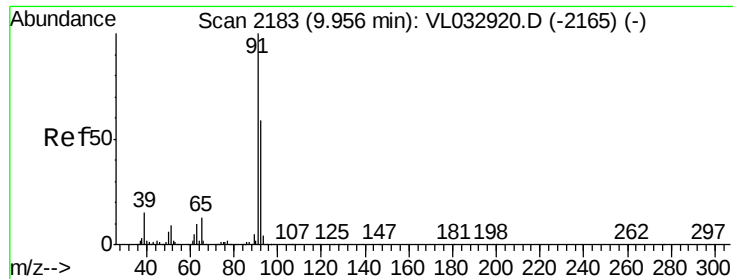
Tgt Ion: 57 Resp: 124185
 Ion Ratio Lower Upper
 57 100
 41 49.8 27.0 40.4#
 56 39.5 24.6 37.0#



#52
 Tetrachloroethene
 Concen: 3.220 ppbv
 RT: 11.38 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

Tgt Ion: 164 Resp: 238344
 Ion Ratio Lower Upper
 164 100
 166 123.2 98.8 148.2
 129 109.5 85.5 128.3
 131 103.6 84.4 126.6





#53

Toluene

Concen: 9.972 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

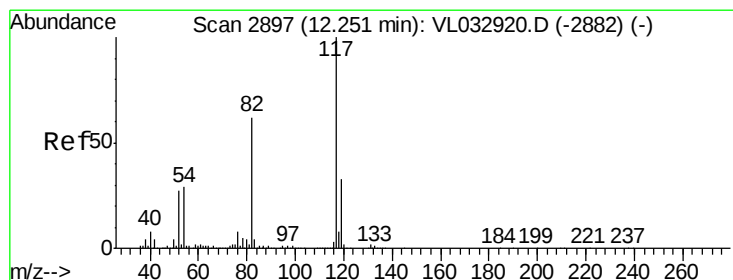
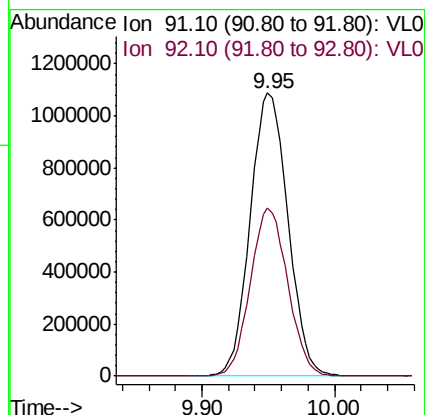
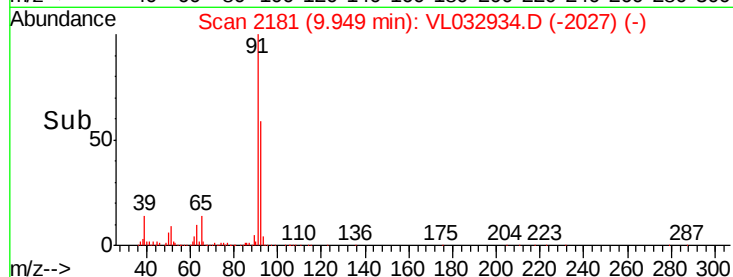
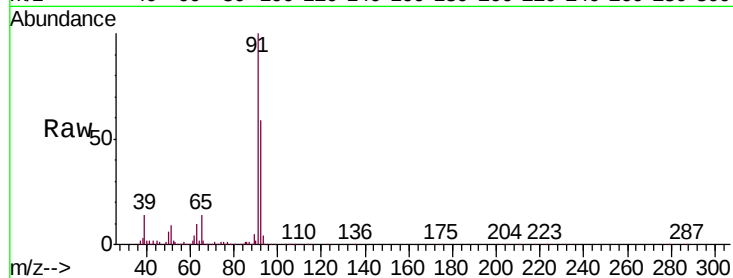
IA1

Tgt Ion: 91 Resp: 2151804

Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

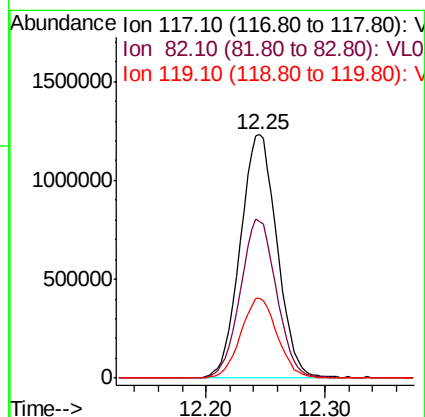
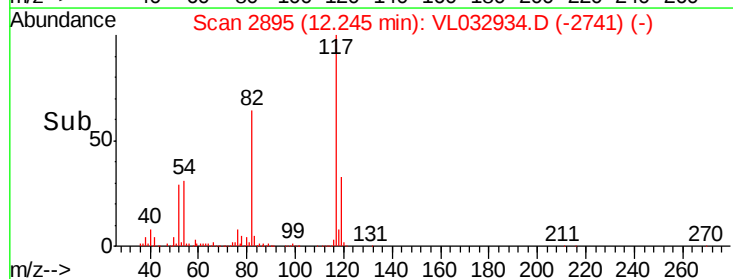
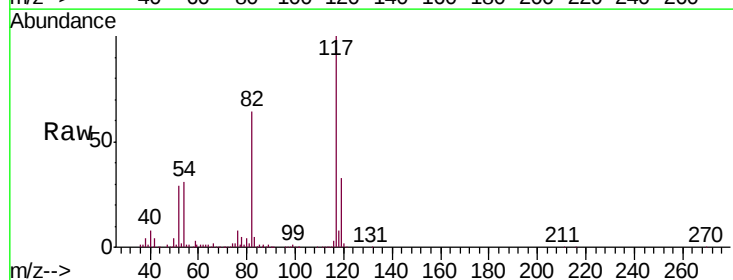
Tgt Ion: 117 Resp: 2631785

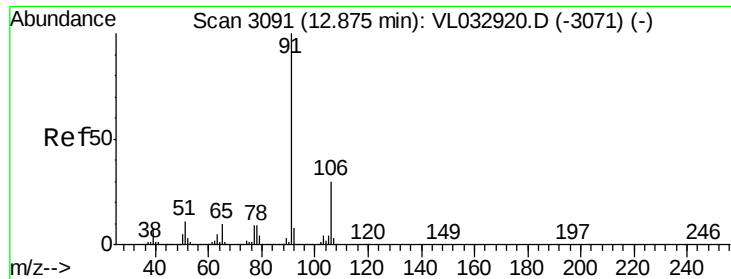
Ion Ratio Lower Upper

117 100

82 64.2 47.8 71.8

119 32.7 43.1 64.7#





#58

Ethyl Benzene

Concen: 0.100 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

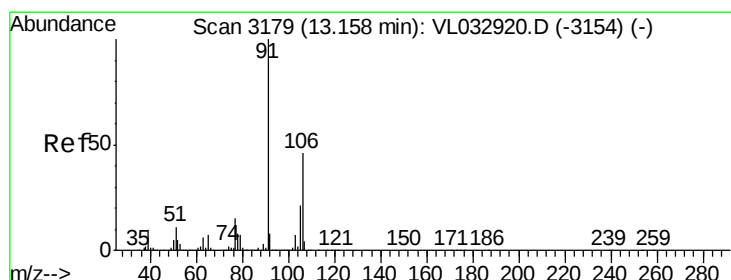
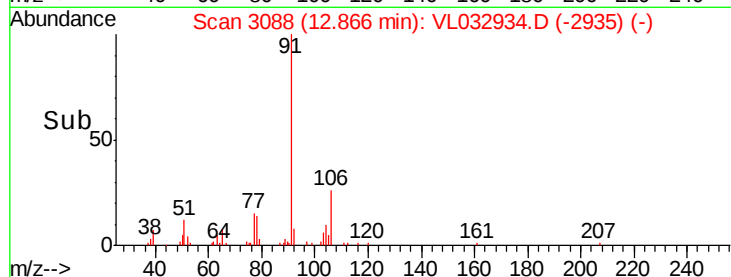
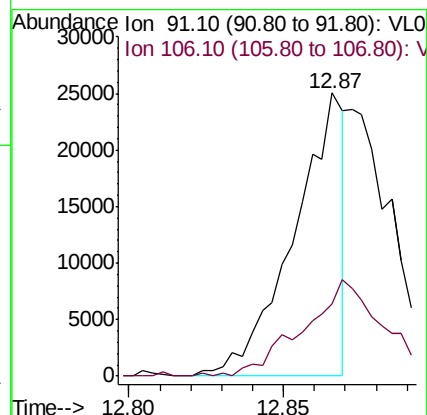
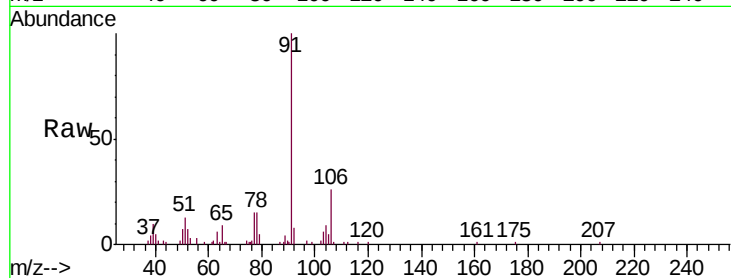
IA1

Tgt Ion: 91 Resp: 28179

Ion Ratio Lower Upper

91 100

106 25.6 23.9 35.9



#59

m/p-Xylene

Concen: 0.690 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.03 min

Lab File: VL032934.D

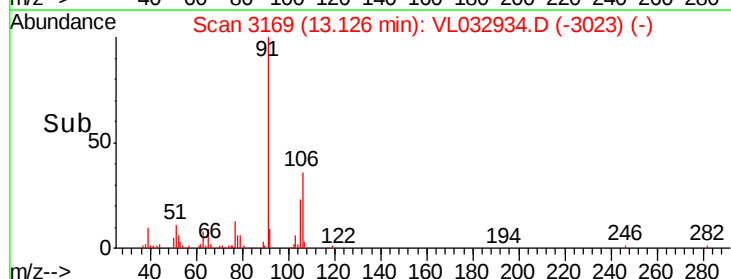
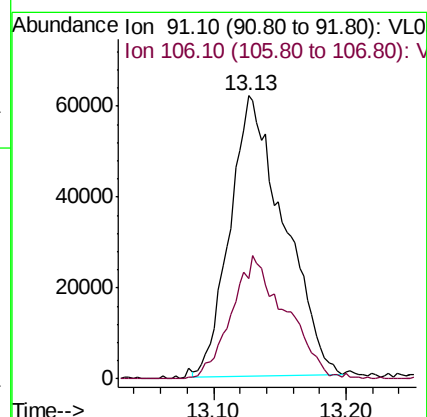
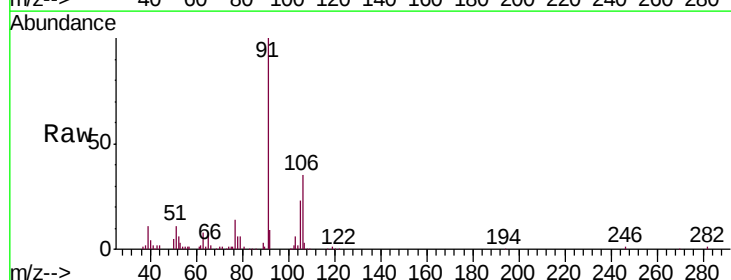
Acq: 7 Dec 2018 14:33

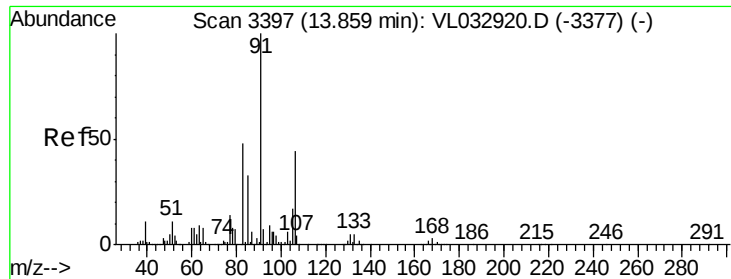
Tgt Ion: 91 Resp: 175529

Ion Ratio Lower Upper

91 100

106 44.2 0.0 0.0#

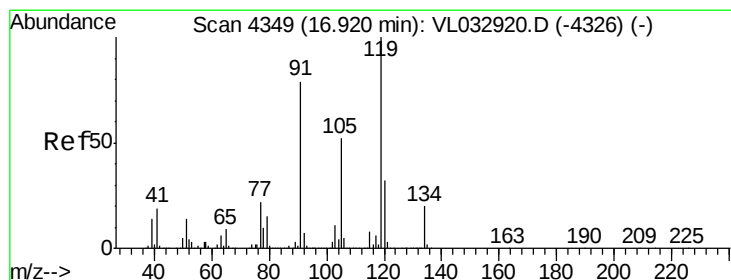
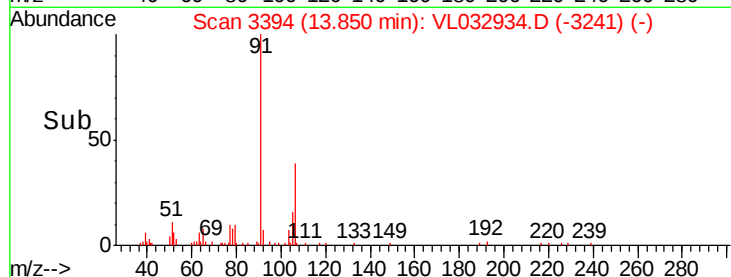
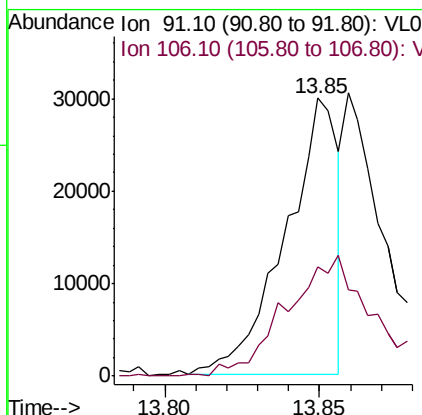
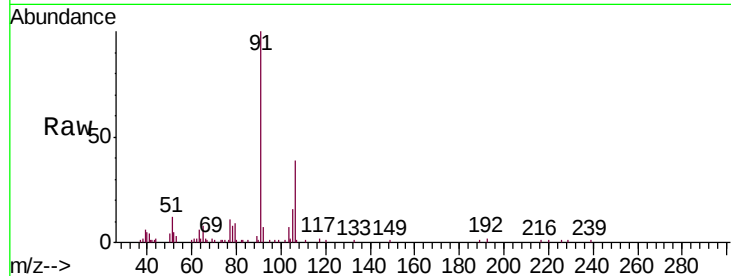




#60
o-Xylene
Concen: 0.136 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

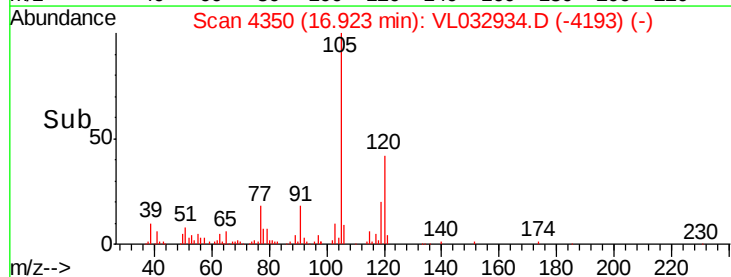
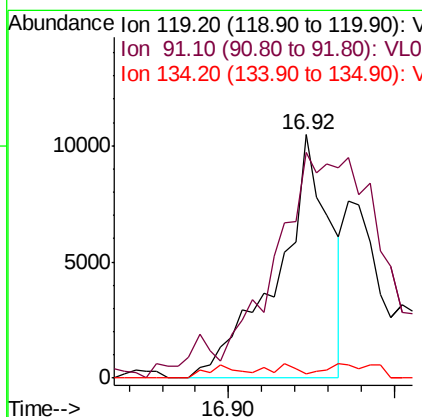
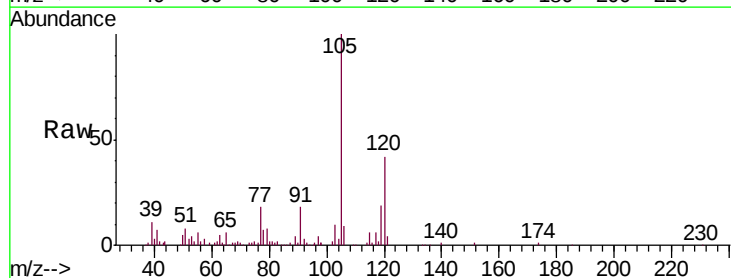
Instrument :
MSVOA_L
ClientSampleId :
IA1

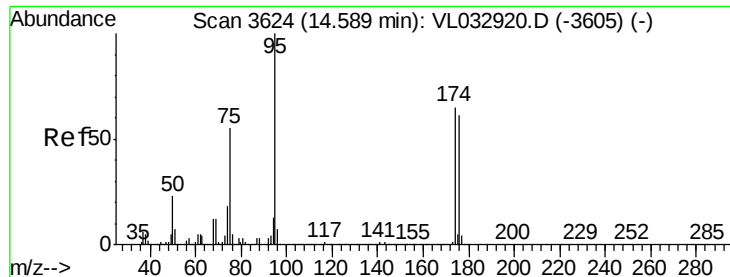
Tgt Ion: 91 Resp: 34983
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8#



#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.00 min
Lab File: VL032934.D
Acq: 7 Dec 2018 14:33

Tgt Ion: 119 Resp: 11510
Ion Ratio Lower Upper
119 100
91 207.1 64.5 96.7#
134 12.4 15.7 23.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.345 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

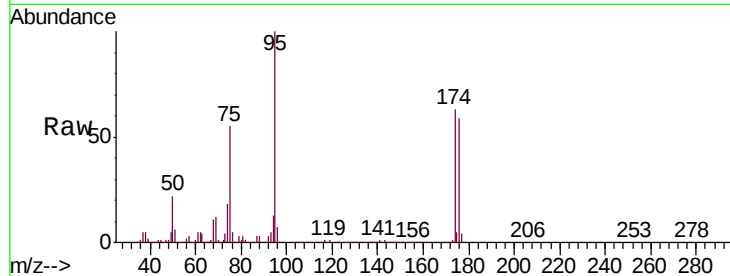
Tgt Ion: 95 Resp: 2011457

Ion Ratio Lower Upper

95 100

174 64.9 51.4 77.0

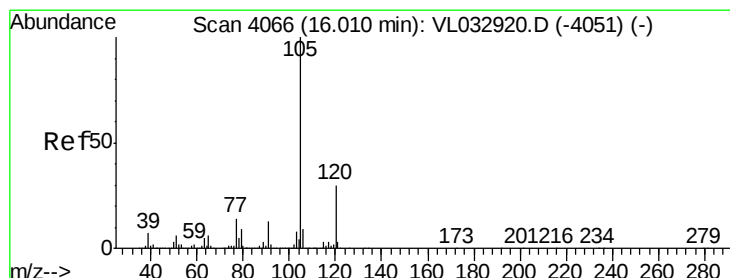
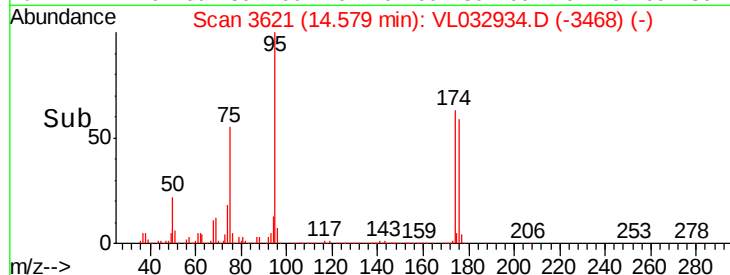
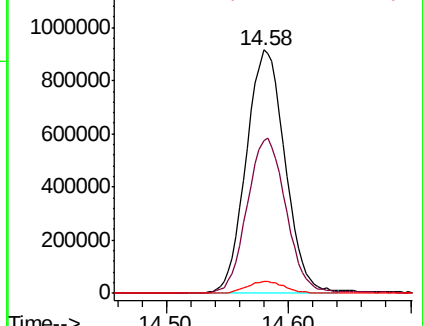
175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.094 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Tgt Ion: 105 Resp: 26944

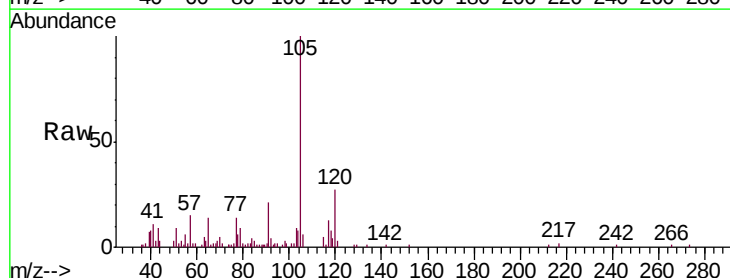
Ion Ratio Lower Upper

105 100

120 0.0 23.0 34.4#

91 27.8 10.4 15.6#

77 36.0 11.0 16.4#

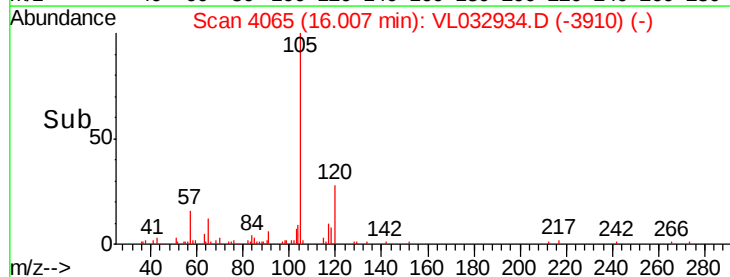
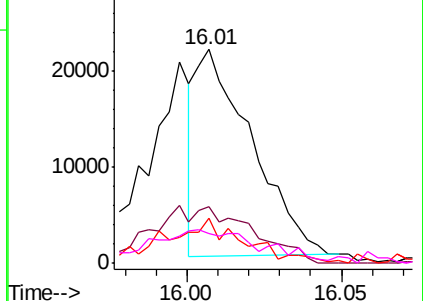


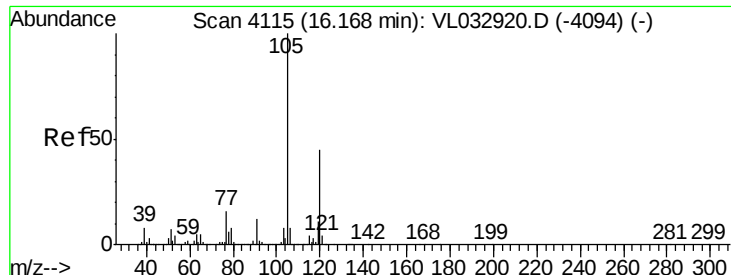
Abundance Ion 105.10 (104.80 to 105.80): V

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

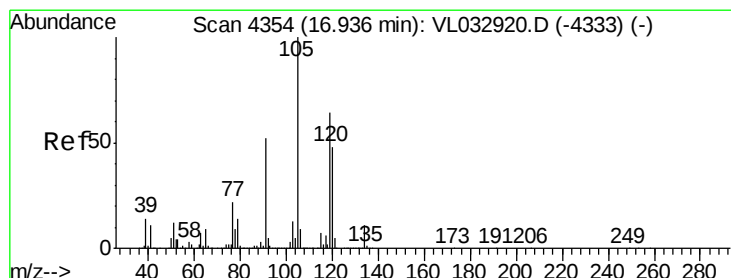
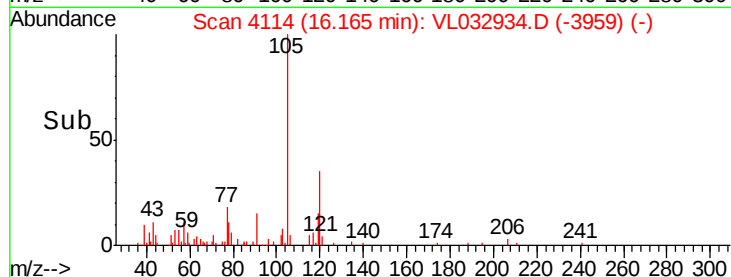
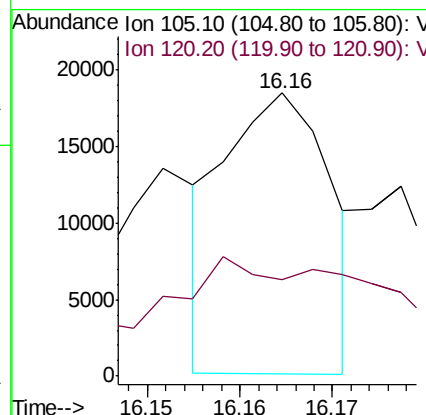
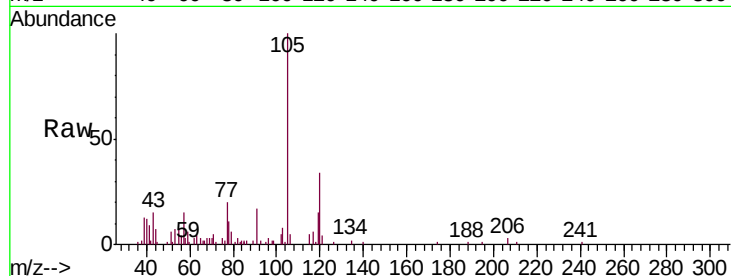




#73
 1,3,5-Trimethylbenzene
 Concen: 0.052 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

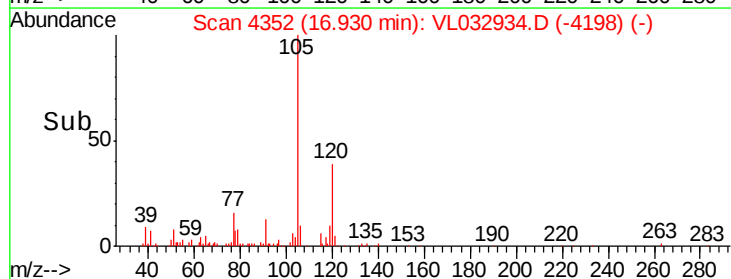
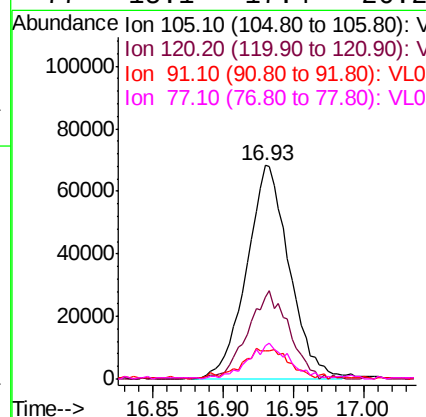
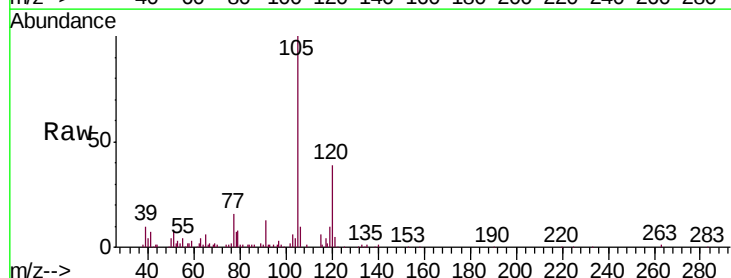
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

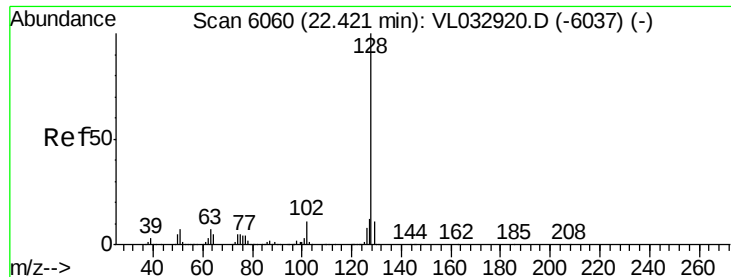
Tgt Ion:105 Resp: 14484
 Ion Ratio Lower Upper
 105 100
 120 26.3 36.0 54.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.457 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032934.D
 Acq: 7 Dec 2018 14:33

Tgt Ion:105 Resp: 144715
 Ion Ratio Lower Upper
 105 100
 120 38.7 38.6 58.0
 91 12.6 41.7 62.5#
 77 15.1 17.4 26.2#





#79

Naphthalene

Concen: 0.051 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA1

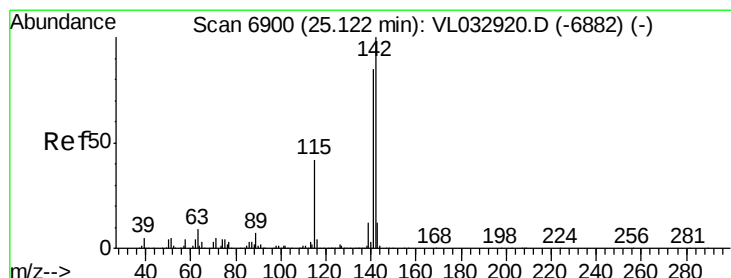
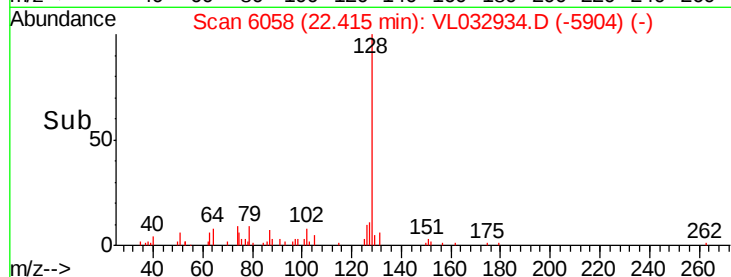
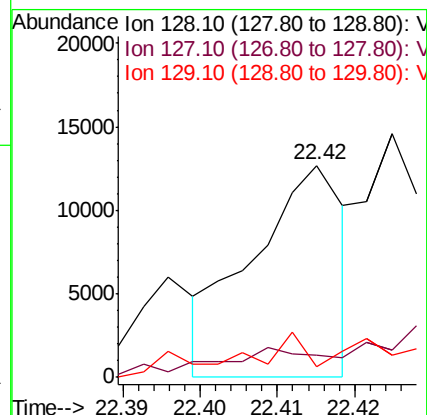
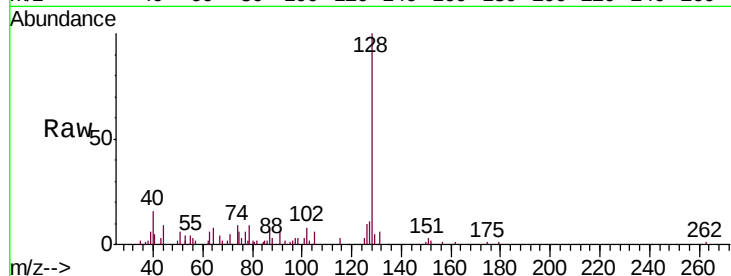
Tgt Ion:128 Resp: 10449

Ion Ratio Lower Upper

128 100

127 5.2 9.9 14.9#

129 0.0 8.6 13.0#



#80

Naphthalene, 2-methyl-

Concen: 0.176 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. -0.00 min

Lab File: VL032934.D

Acq: 7 Dec 2018 14:33

Tgt Ion:142 Resp: 7672

Ion Ratio Lower Upper

142 100

141 82.1 68.2 102.2

115 62.7 35.1 52.7#

