

Data File : VL032939.D
Acq On : 7 Dec 2018 17:53
Operator : SY/AP
Sample : J6262-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3

Quant Time: Dec 08 02:01:20 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	5.76	49	1254182	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3277555	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3122344	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 2555541 11.08 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 110.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	34340	0.205	ppbv	96
3) Chlorodifluoromethane	3.02	51	475320	5.004	ppbv	96
4) Chloromethane	3.17	50	22221	0.402	ppbv	98
9) Propene	3.24	41	242605	6.460	ppbv	90
10) Heptane	8.25	43	17830	0.126	ppbv #	1
11) Trichlorofluoromethane	4.01	101	46485	0.295	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	10754	0.080	ppbv	95
13) Ethanol	3.66	45	3996899	309.083	ppbv	96
15) Acetone	3.90	43	2497275	23.198	ppbv	95
16) 1,3-Butadiene	3.35	39	50346	1.179	ppbv #	55
17) tert-Butyl alcohol	4.37	59	7614	0.278	ppbv #	98
19) Isopropyl Alcohol	4.04	45	4062129	60.087	ppbv #	98
20) Methylene Chloride	4.41	84	40104	0.762	ppbv	94
21) Allyl Chloride	4.19	41	2695790	30.729	ppbv #	48
23) Vinyl Acetate	5.15	43	118770	0.652	ppbv #	47
25) Ethyl Acetate	5.77	43	1519618	5.976	ppbv #	94
26) Hexane	5.78	57	294438	2.508	ppbv #	1
27) Carbon Disulfide	4.62	76	8371	0.057	ppbv #	1
29) Chloroform	5.85	83	85870	0.410	ppbv	88
30) Cyclohexane	7.25	84	11597	0.119	ppbv #	8
31) cis-1,2-Dichloroethene	5.65	61	6542	0.061	ppbv	91
34) 2-Butanone	5.33	43	133450	0.935	ppbv	99
35) Carbon Tetrachloride	7.14	117	19713	0.077	ppbv	88
36) Benzene	7.01	78	522061	2.166	ppbv	96
38) Trichloroethene	7.96	130	29035	0.289	ppbv #	81
39) 1,2-Dichloropropane	7.29	63	803888	8.793	ppbv #	21
41) Tetrahydrofuran	6.15	42	10360	0.117	ppbv #	35
43) Methyl Methacrylate	8.14	69	6937	0.078	ppbv #	74
44) 2,2,4-Trimethylpentane	7.99	57	134137	0.328	ppbv #	83
50) 4-Methyl-2-Pentanone	8.88	43	7245	0.032	ppbv #	39
51) 2-Hexanone	10.28	43	5523	0.036	ppbv #	30
52) Tetrachloroethene	11.37	164	62826	0.716	ppbv	93
53) Toluene	9.95	91	927711	3.629	ppbv	100
58) Ethyl Benzene	12.87	91	60975	0.183	ppbv	92
59) m/p-Xylene	13.15	91	44498	0.147	ppbv #	100
60) o-Xylene	13.86	91	65545	0.215	ppbv	100
61) Styrene	13.69	104	20967	0.103	ppbv #	48
69) p-Isopropyltoluene	17.82	119	88860	0.189	ppbv #	91
72) 4-Ethyltoluene	16.00	105	18739	0.055	ppbv #	47
73) 1,3,5-Trimethylbenzene	16.16	105	35610	0.107	ppbv	89
74) 1,2,4-Trimethylbenzene	16.93	105	120601	0.321	ppbv #	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Quantitation Report (Not Reviewed)

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Quant Time: Dec 08 02:01:20 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)
76) 1,4-Dichlorobenzene	17.31	146	28481	0.138	ppbv #	23
79) Naphthalene	22.41	128	15071	0.062	ppbv #	94
80) Naphthalene,2-methyl-	25.11	142	1905	0.037	ppbv #	74

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

Data File : VL032939.D

Acq On : 7 Dec 2018 17:53

Operator : SY/AP

Sample : J6262-05

Misc : 400ml/MSVOA_L

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
IA3

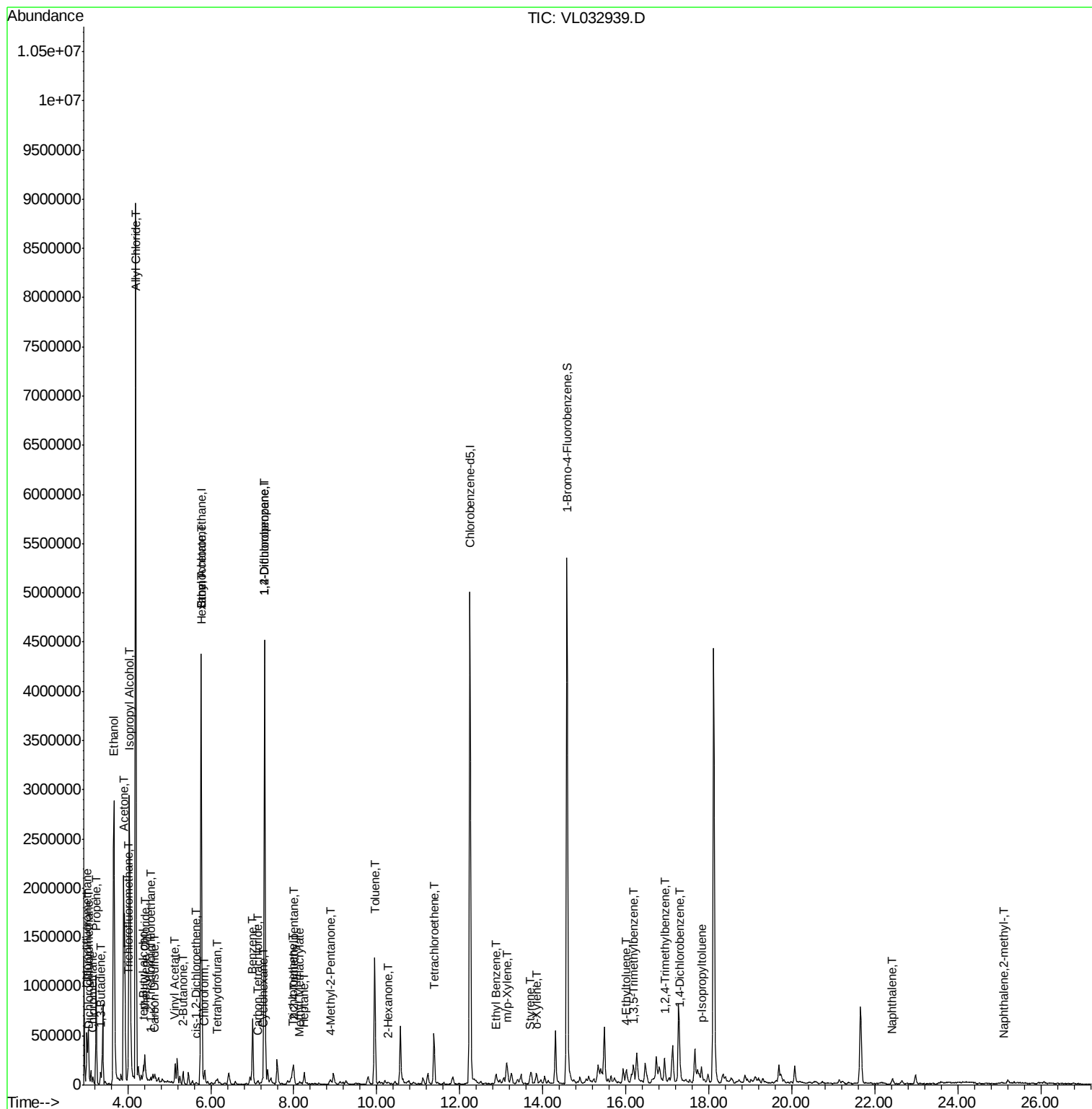
Quant Time: Dec 08 02:01:20 2018

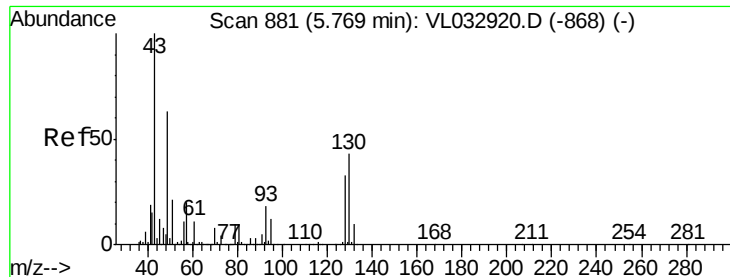
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018

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

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

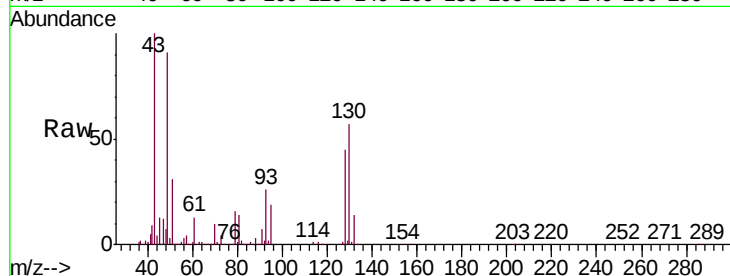
Tgt Ion: 49 Resp: 1254182

Ion Ratio Lower Upper

49 100

128 51.8 26.3 78.8

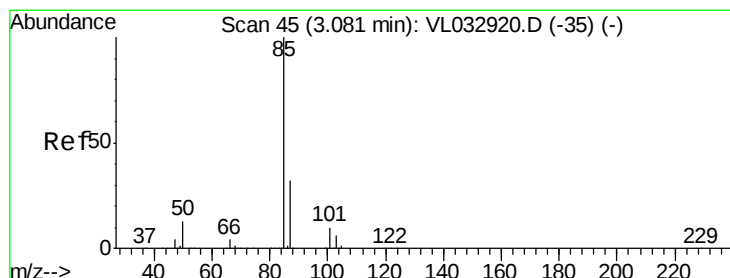
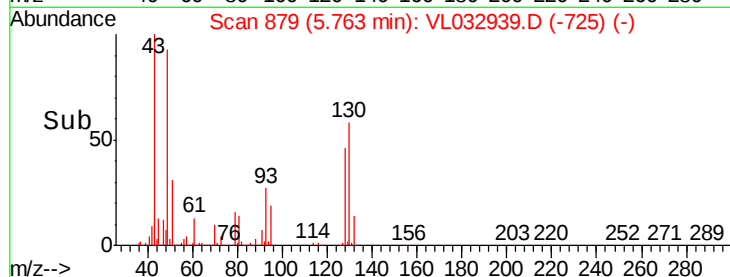
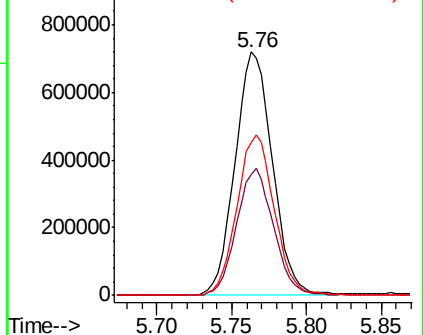
130 66.2 33.9 101.7



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



#2

Dichlorodifluoromethane

Concen: 0.205 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032939.D

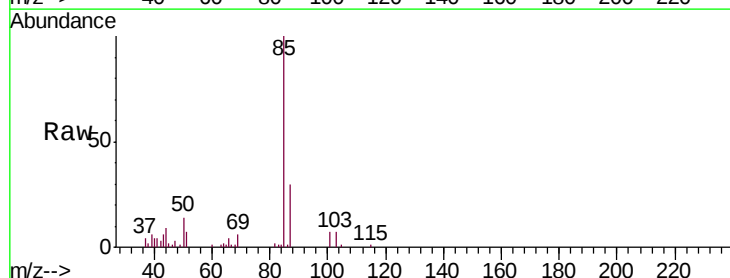
Acq: 7 Dec 2018 17:53

Tgt Ion: 85 Resp: 34340

Ion Ratio Lower Upper

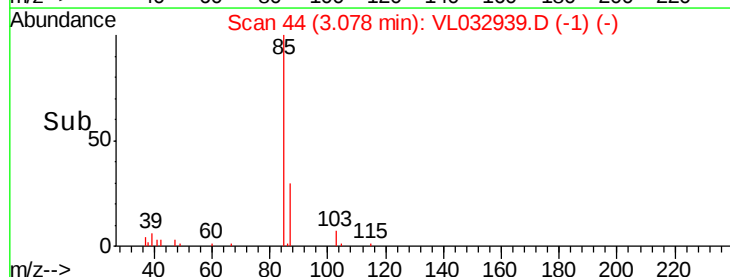
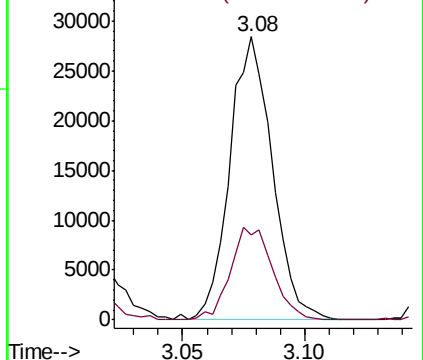
85 100

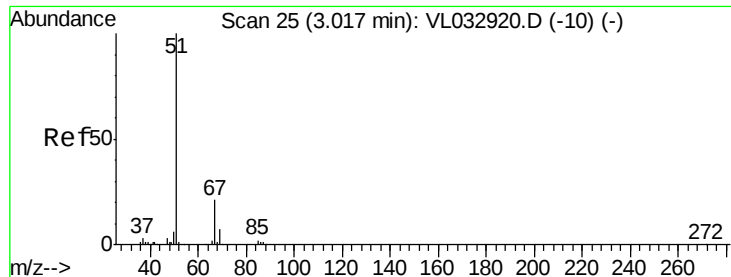
87 30.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

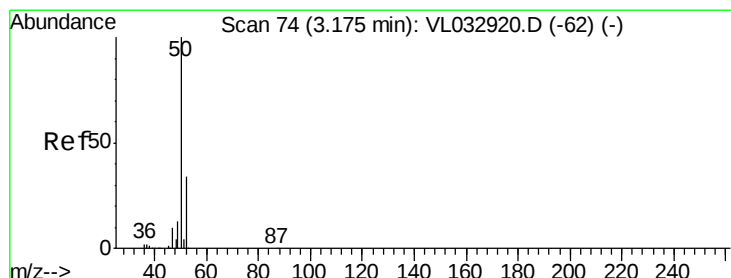
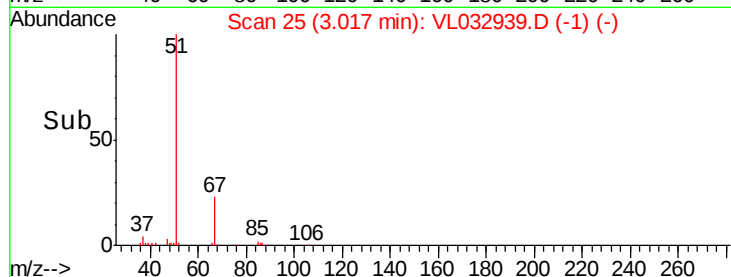
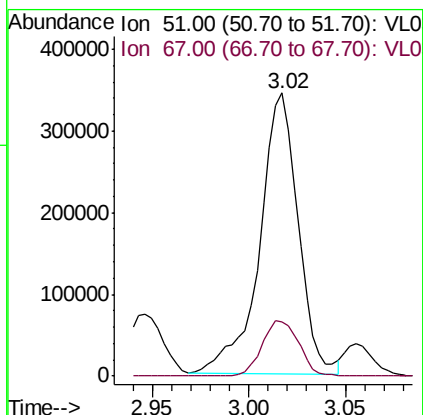
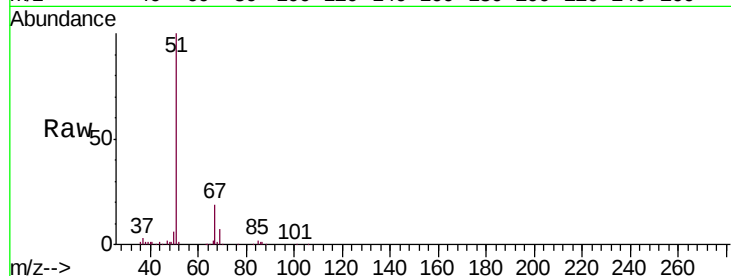




#3
Chlorodifluoromethane
Concen: 5.004 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

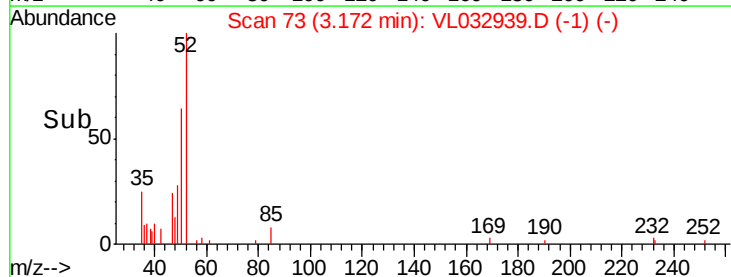
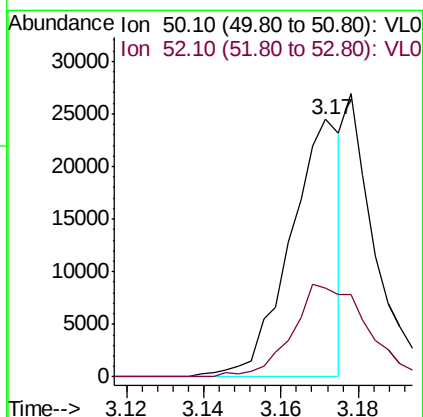
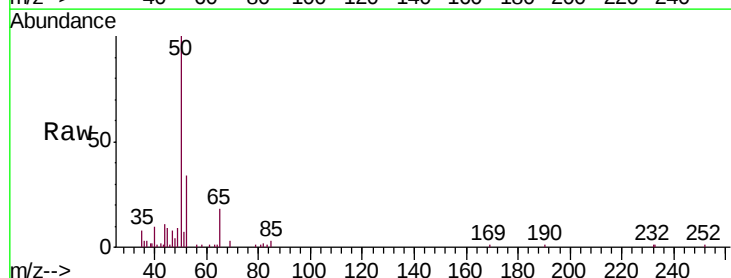
Instrument :
MSVOA_L
ClientSampleId :
IA3

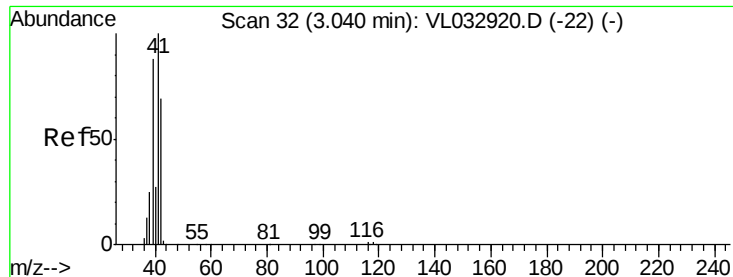
Tgt Ion: 51 Resp: 475320
Ion Ratio Lower Upper
51 100
67 18.9 16.8 25.2



#4
Chloromethane
Concen: 0.402 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

Tgt Ion: 50 Resp: 22221
Ion Ratio Lower Upper
50 100
52 35.1 27.3 40.9





#9

Propene

Concen: 6.460 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

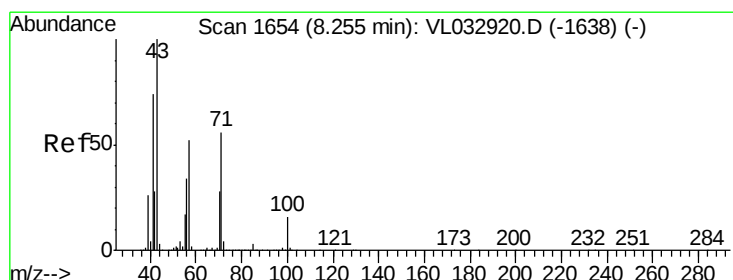
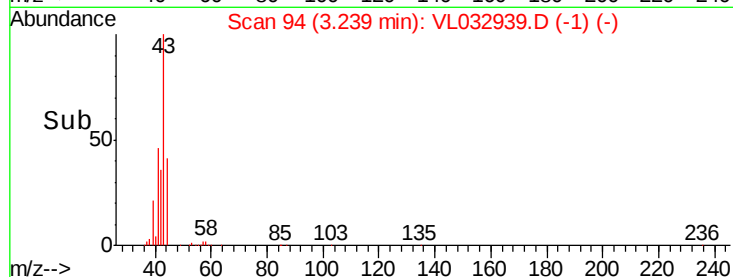
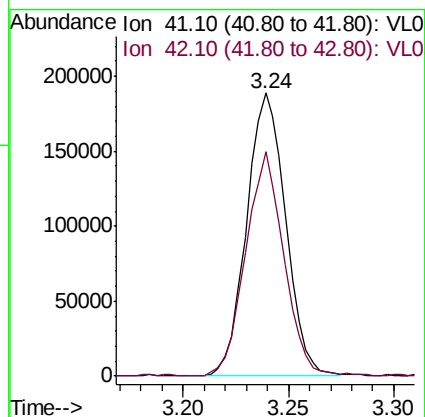
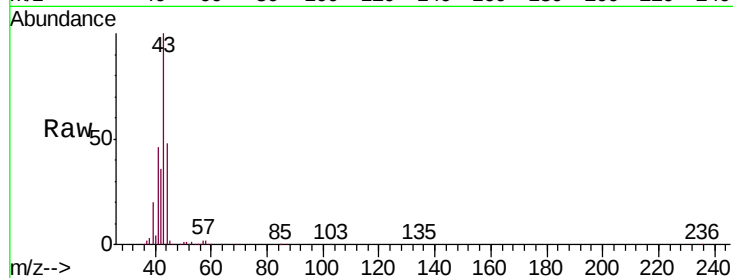
IA3

Tgt Ion: 41 Resp: 242605

Ion Ratio Lower Upper

41 100

42 78.2 56.2 84.2



#10

Heptane

Concen: 0.126 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL032939.D

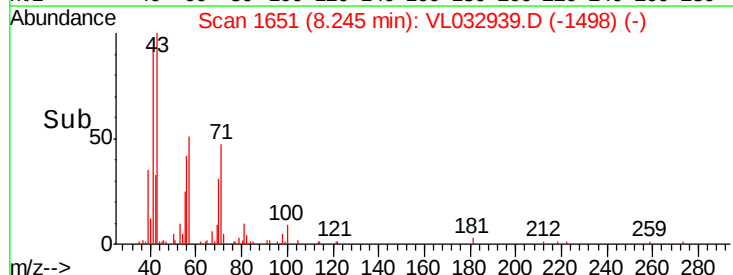
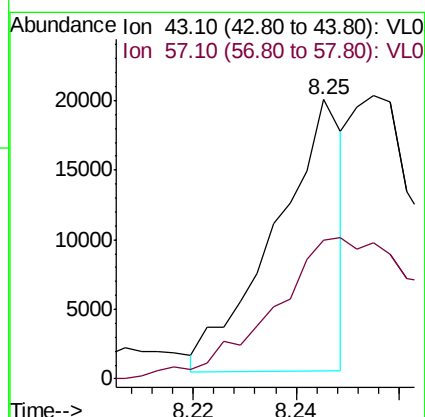
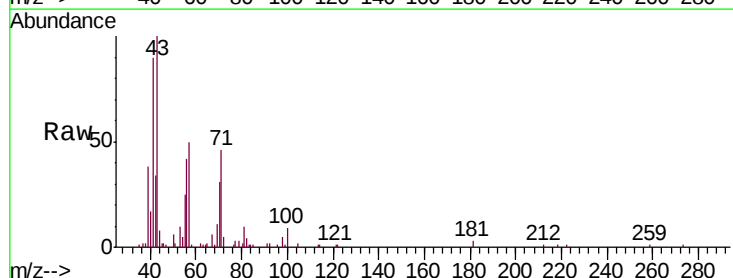
Acq: 7 Dec 2018 17:53

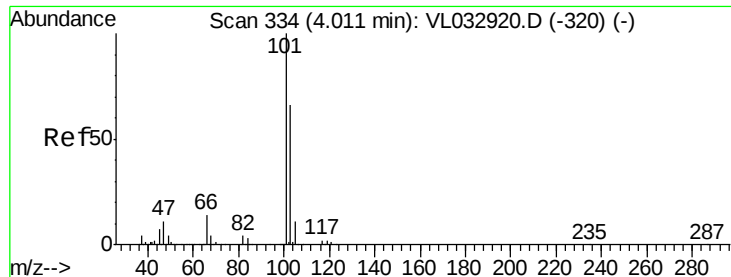
Tgt Ion: 43 Resp: 17830

Ion Ratio Lower Upper

43 100

57 125.1 41.8 62.6#





#11

Trichlorofluoromethane

Concen: 0.295 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

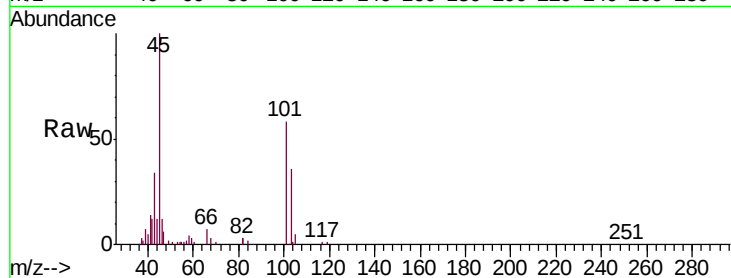
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Tgt Ion:101 Resp: 46485

Ion Ratio Lower Upper

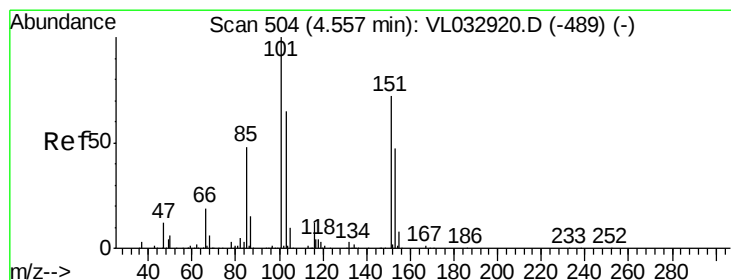
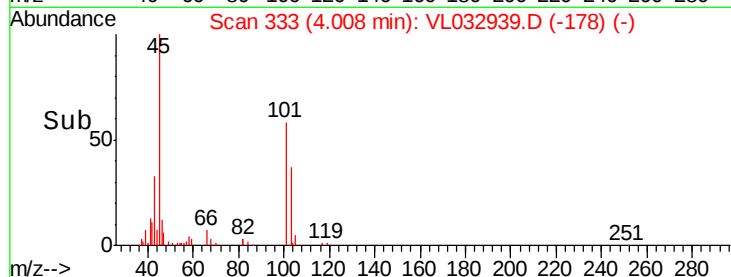
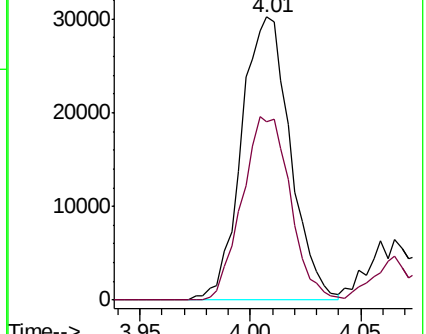
101 100

103 62.9 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: 0.080 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL032939.D

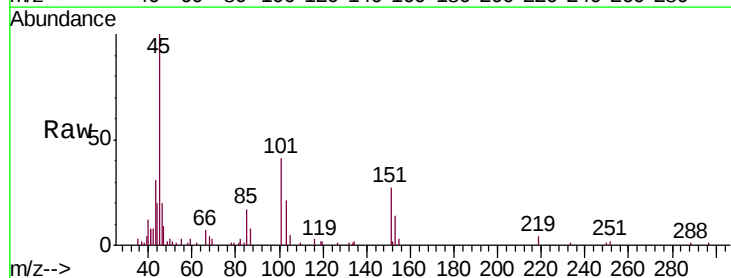
Acq: 7 Dec 2018 17:53

Tgt Ion:101 Resp: 10754

Ion Ratio Lower Upper

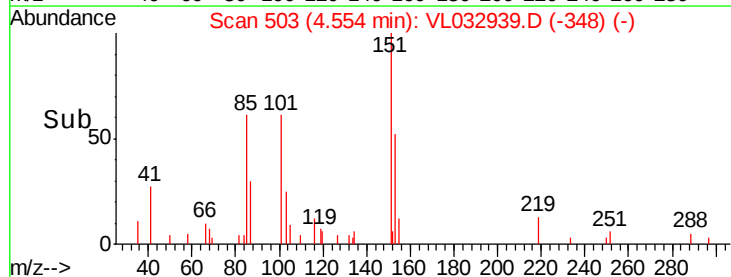
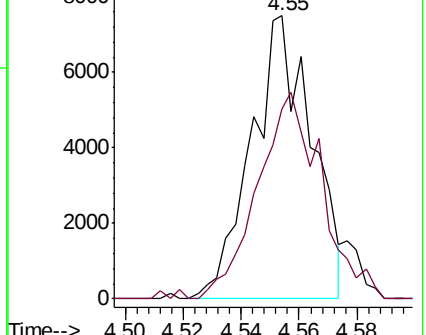
101 100

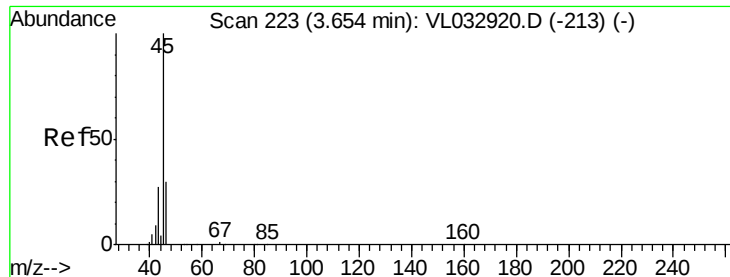
151 78.2 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

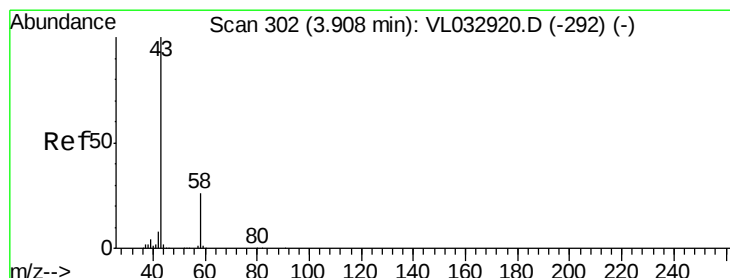
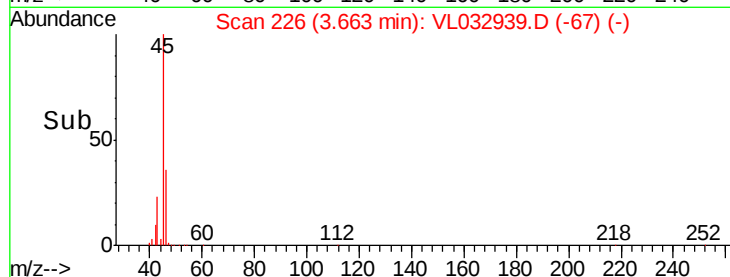
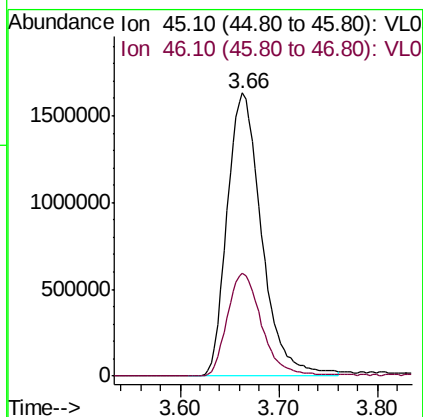
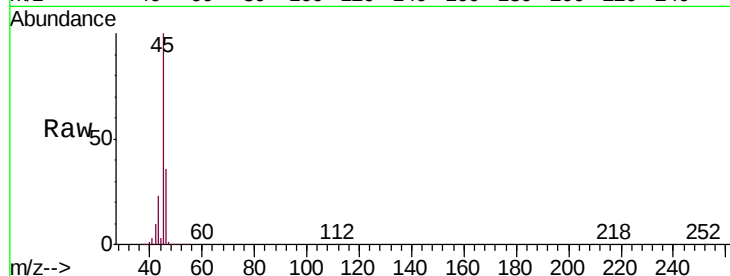




#13
Ethanol
Concen: 309.083 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

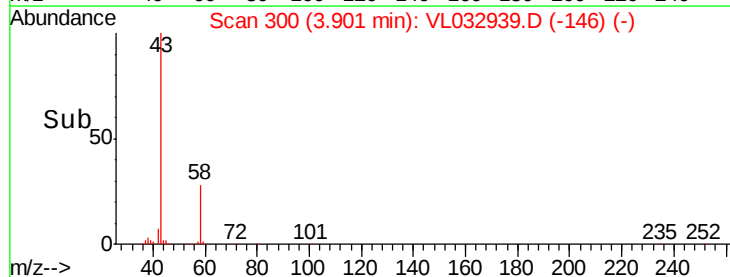
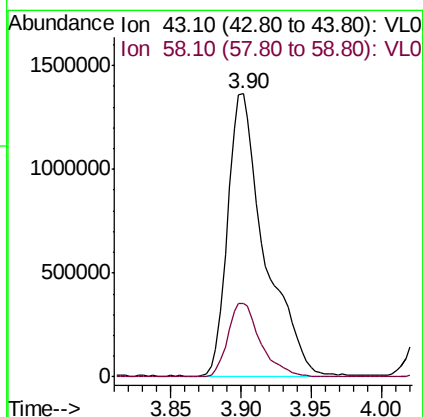
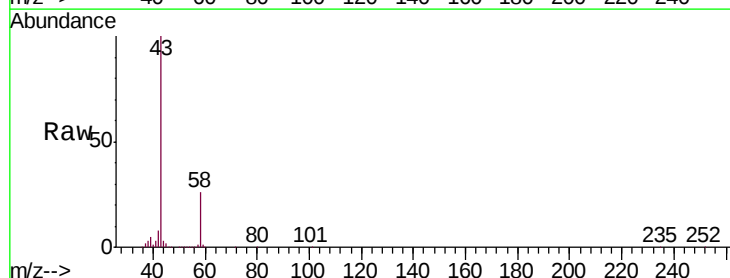
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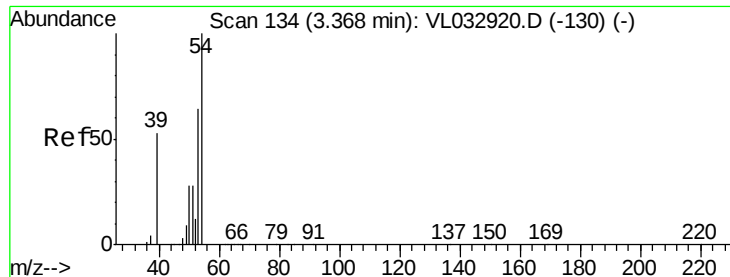
Tgt Ion: 45 Resp: 3996899
Ion Ratio Lower Upper
45 100
46 37.2 13.8 55.4



#15
Acetone
Concen: 23.198 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

Tgt Ion: 43 Resp: 2497275
Ion Ratio Lower Upper
43 100
58 23.3 20.6 30.8

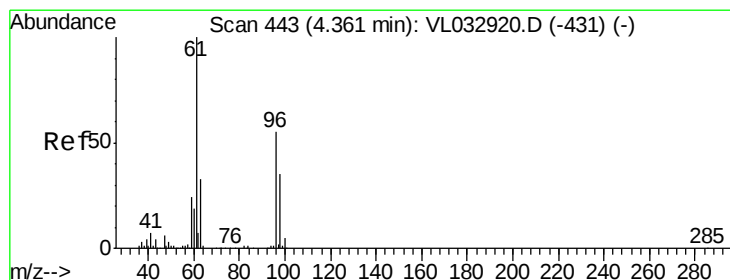
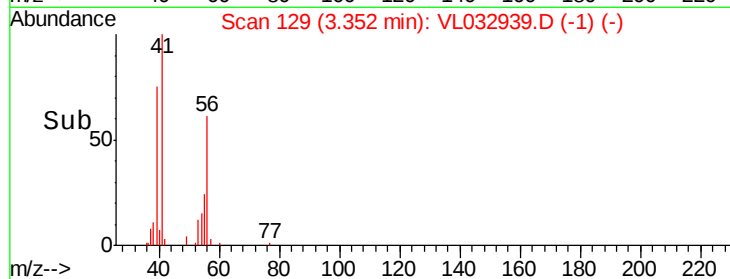
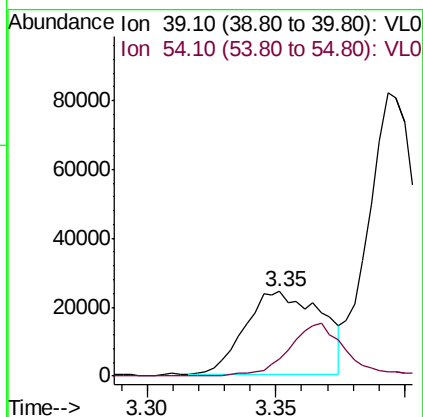
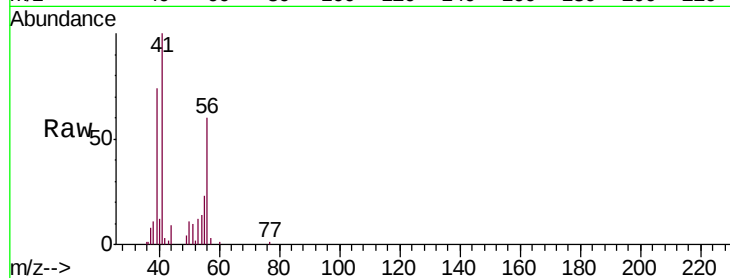




#16
 1,3-Butadiene
 Concen: 1.179 ppbv
 RT: 3.35 min Scan# 129
 Delta R.T. -0.02 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

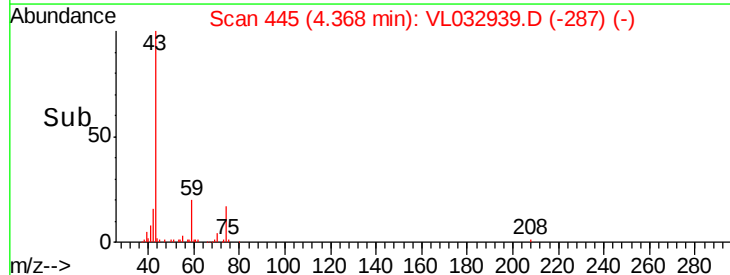
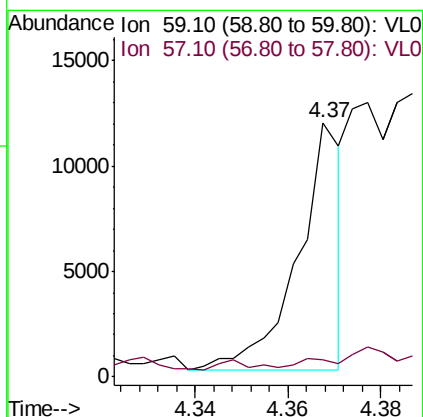
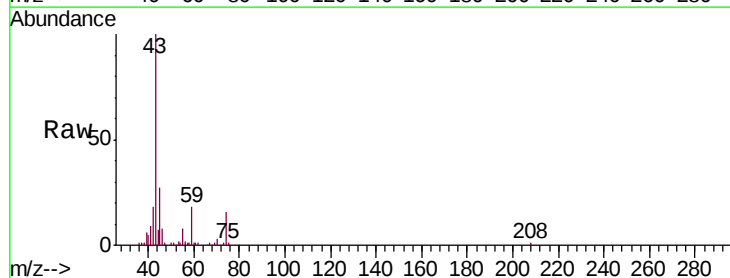
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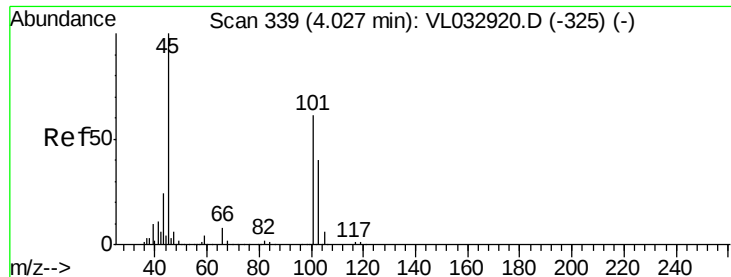
Tgt Ion: 39 Resp: 50346
 Ion Ratio Lower Upper
 39 100
 54 47.9 72.7 109.1#



#17
 tert-Butyl alcohol
 Concen: 0.278 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Tgt Ion: 59 Resp: 7614
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.6 1.0#





#19

Isopropyl Alcohol

Concen: 60.087 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

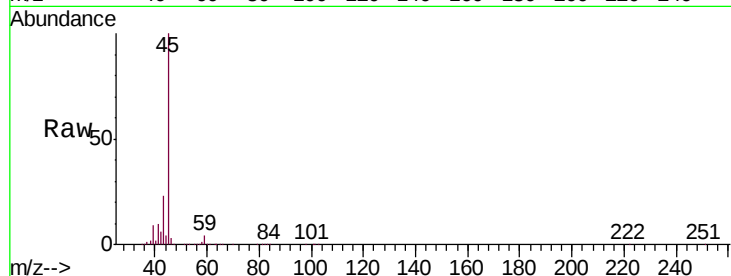
IA3

Tgt Ion: 45 Resp: 4062129

Ion Ratio Lower Upper

45 100

58 1.2 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

2000000

1500000

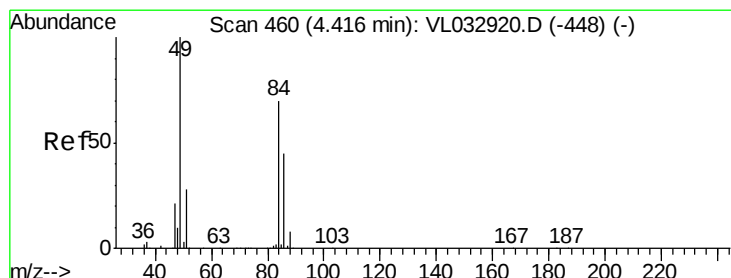
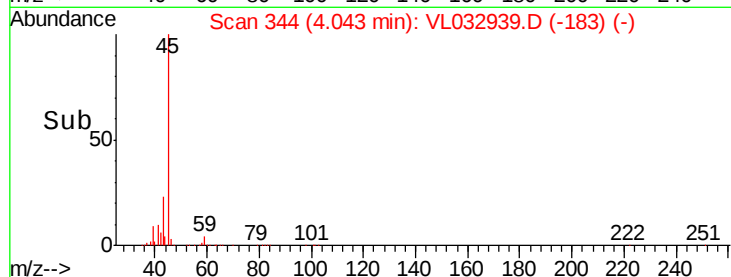
1000000

500000

0

4.00 4.10

Time-->



#20

Methylene Chloride

Concen: 0.762 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Tgt Ion: 84 Resp: 40104

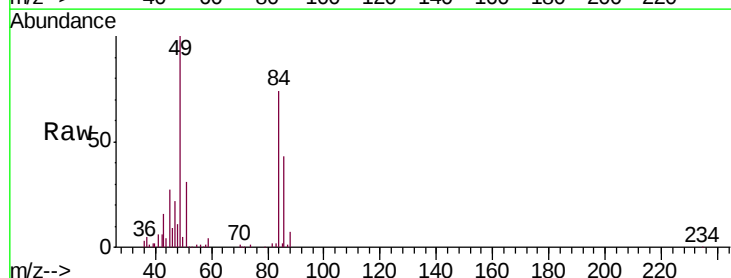
Ion Ratio Lower Upper

84 100

49 134.6 113.8 170.8

51 40.8 31.8 47.8

86 57.9 50.8 76.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

120000

100000

80000

60000

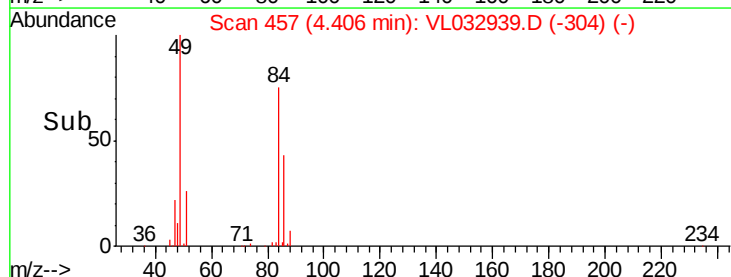
40000

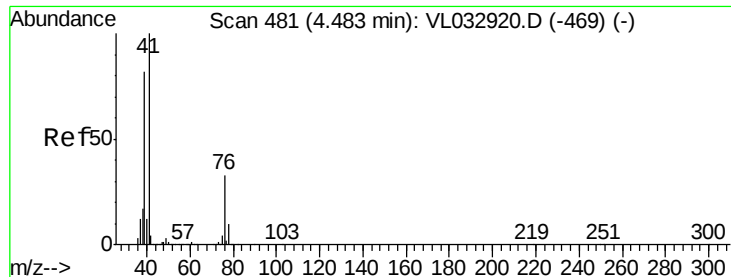
20000

0

4.38 4.40 4.42

Time-->





#21

Allyl Chloride

Concen: 30.729 ppbv

RT: 4.19 min Scan# 390

Delta R.T. -0.29 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

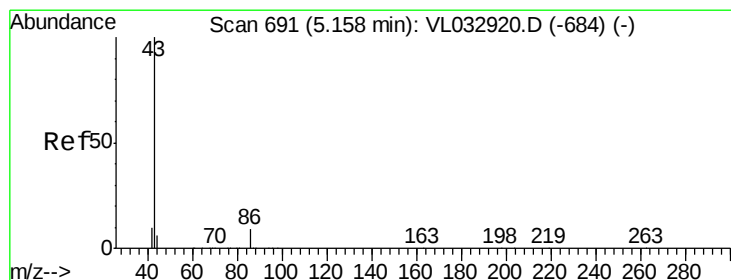
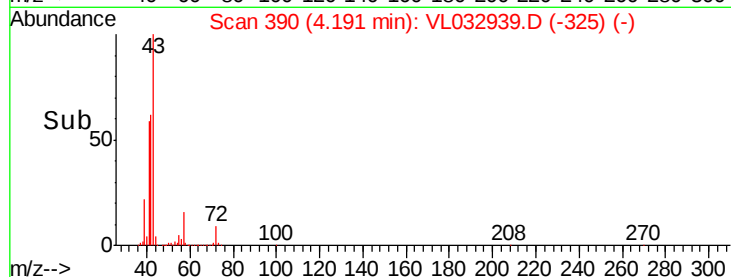
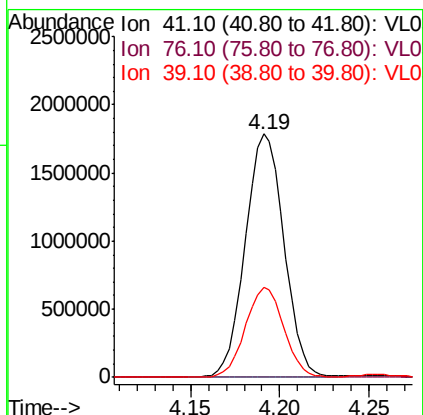
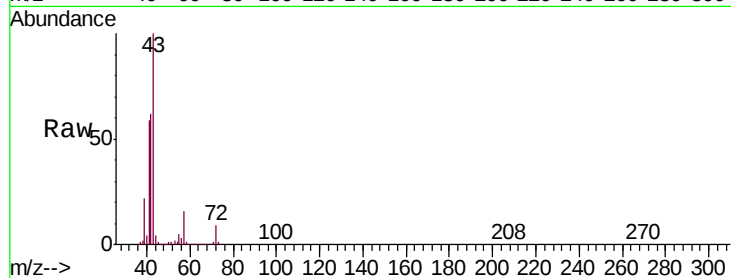
Tgt Ion: 41 Resp: 2695790

Ion Ratio Lower Upper

41 100

76 0.0 25.2 37.8#

39 37.0 65.2 97.8#



#23

Vinyl Acetate

Concen: 0.652 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Tgt Ion: 43 Resp: 118770

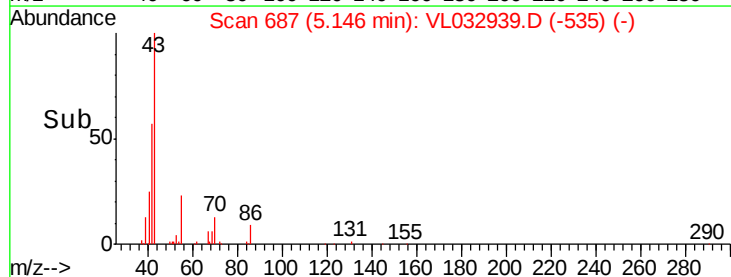
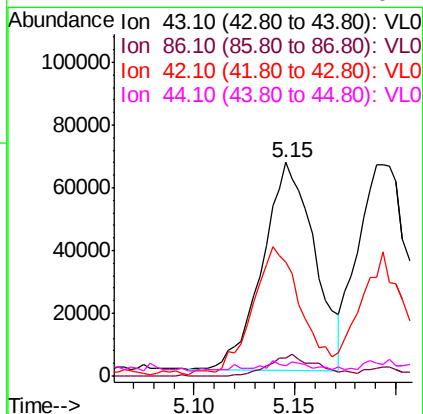
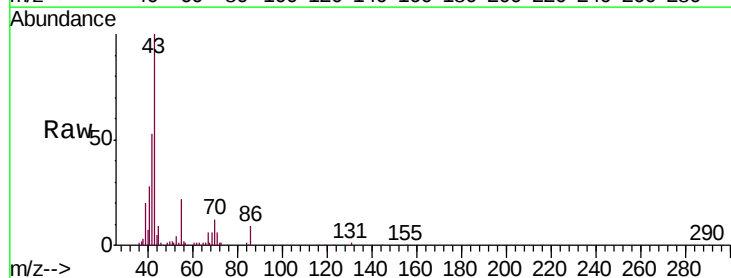
Ion Ratio Lower Upper

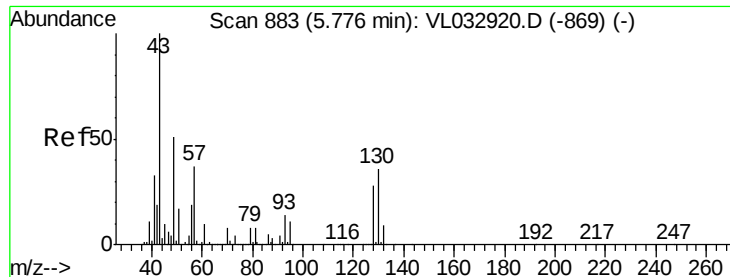
43 100

86 8.8 6.6 9.8

42 54.0 8.3 12.5#

44 2.1 4.2 6.4#





#25

Ethyl Acetate

Concen: 5.976 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion: 43 Resp: 1519618

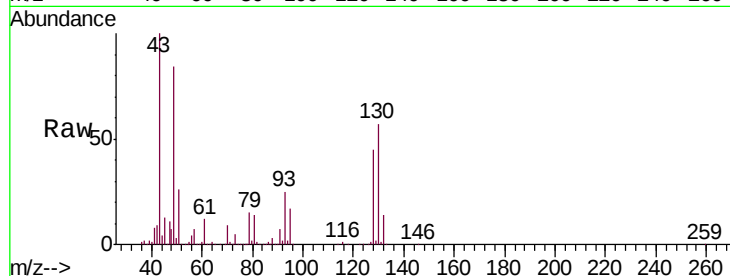
Ion Ratio Lower Upper

43 100

45 12.1 7.8 11.6#

61 11.7 7.4 11.2#

70 8.9 5.7 8.5#

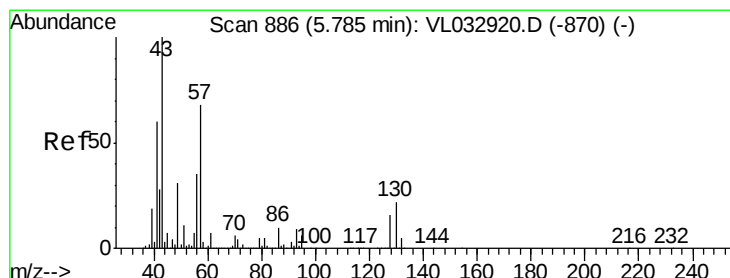
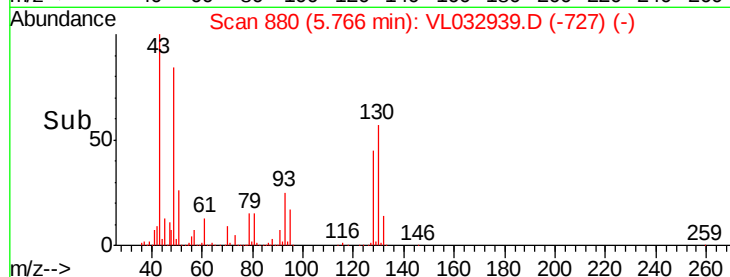
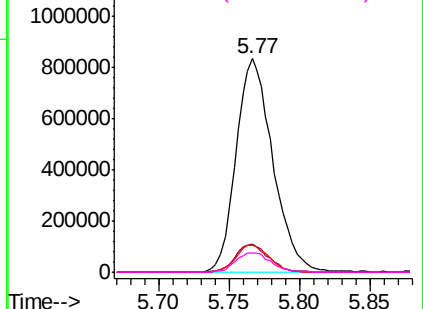


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.508 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Tgt Ion: 57 Resp: 294438

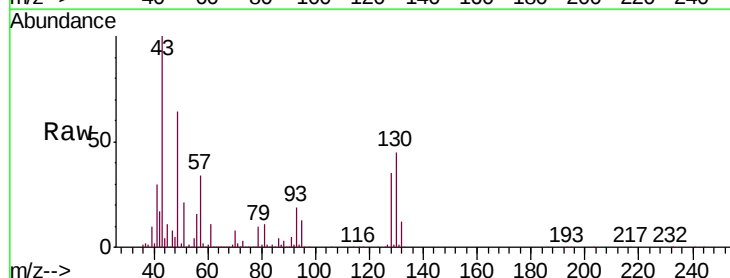
Ion Ratio Lower Upper

57 100

41 97.8 72.2 108.2

43 517.3 171.9 257.9#

56 54.3 42.2 63.2

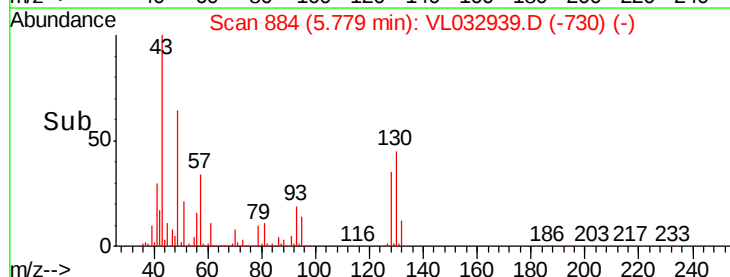
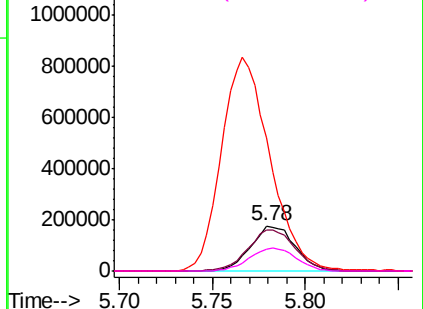


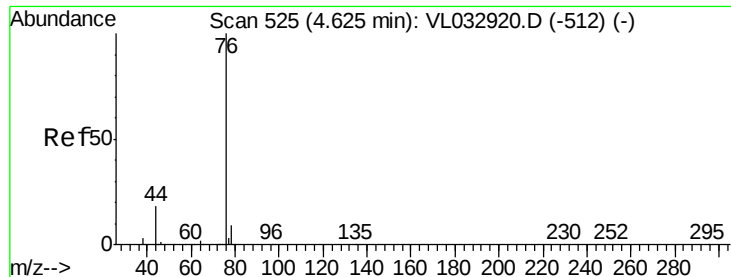
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.057 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

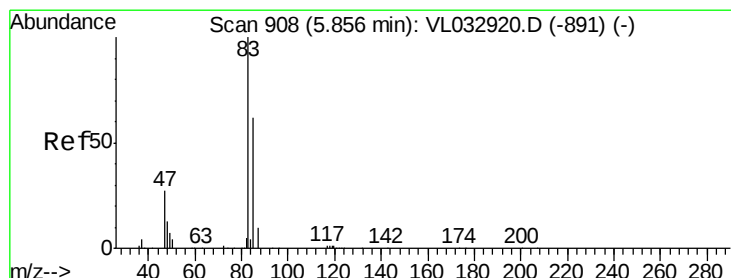
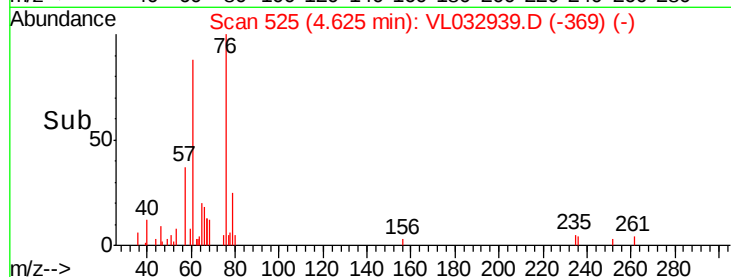
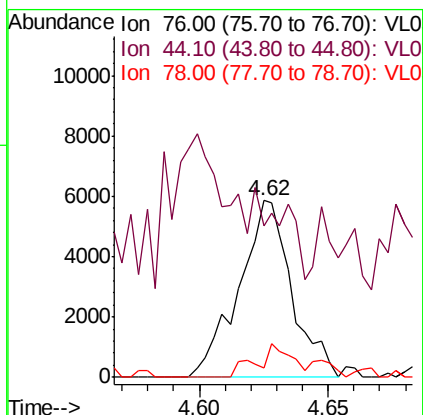
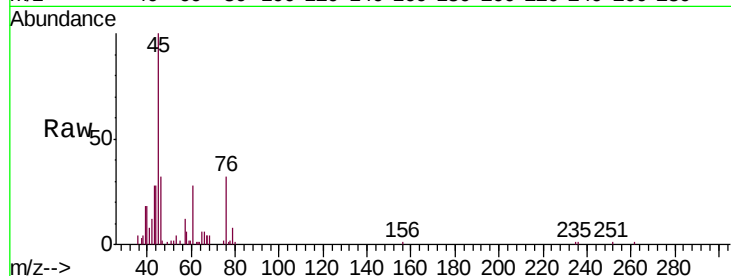
Tgt Ion: 76 Resp: 8371

Ion Ratio Lower Upper

76 100

44 157.2 14.7 22.1#

78 19.0 7.4 11.2#



#29

Chloroform

Concen: 0.410 ppbv

RT: 5.85 min Scan# 907

Delta R.T. -0.00 min

Lab File: VL032939.D

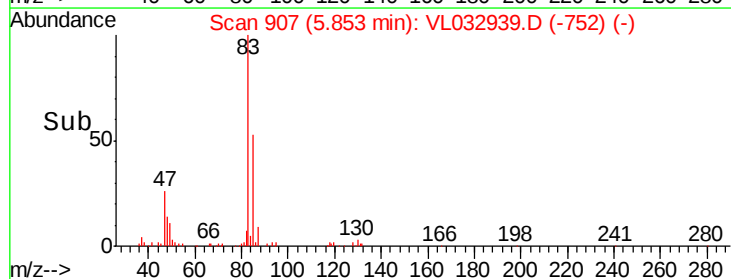
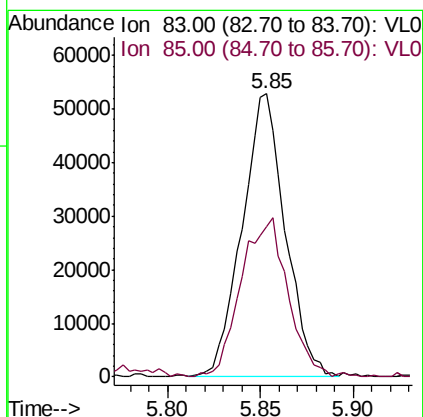
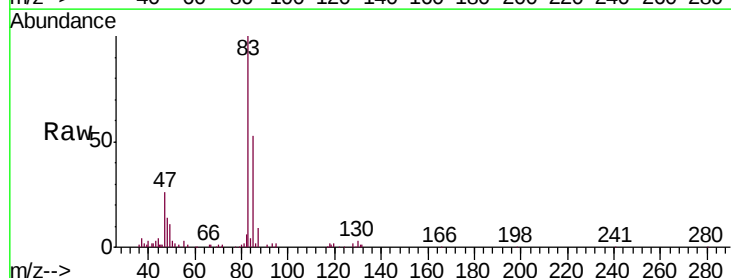
Acq: 7 Dec 2018 17:53

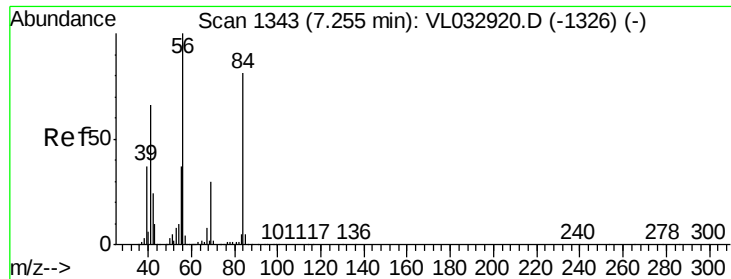
Tgt Ion: 83 Resp: 85870

Ion Ratio Lower Upper

83 100

85 52.9 49.8 74.8

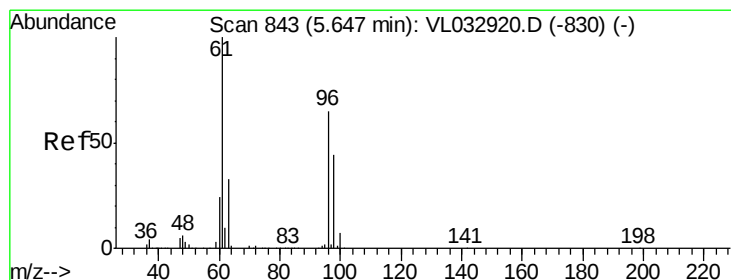
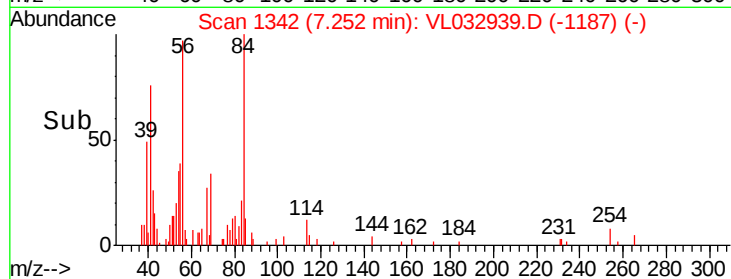
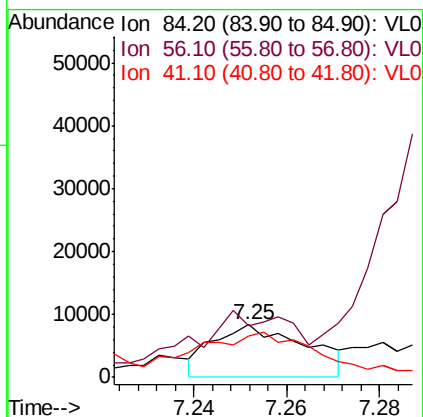
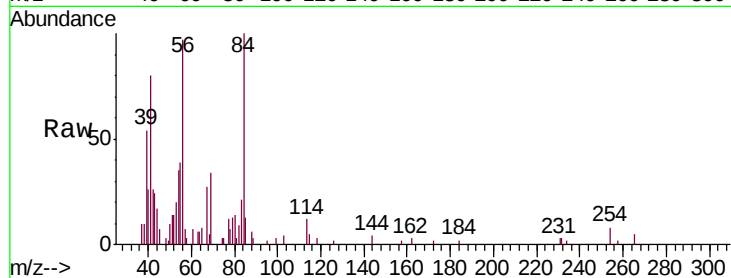




#30
Cyclohexane
Concen: 0.119 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

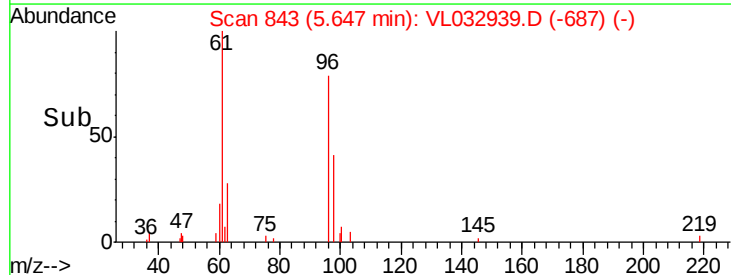
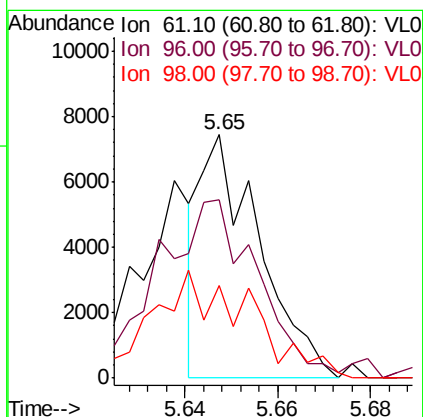
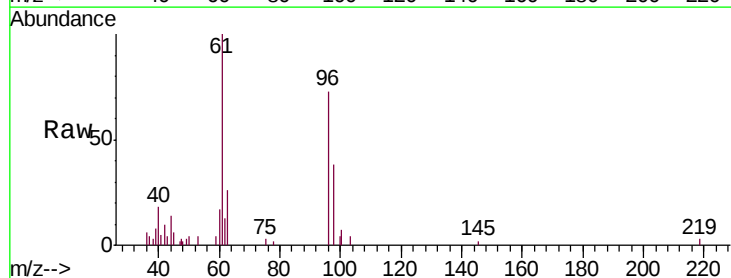
Instrument :
MSVOA_L
ClientSampleId :
IA3

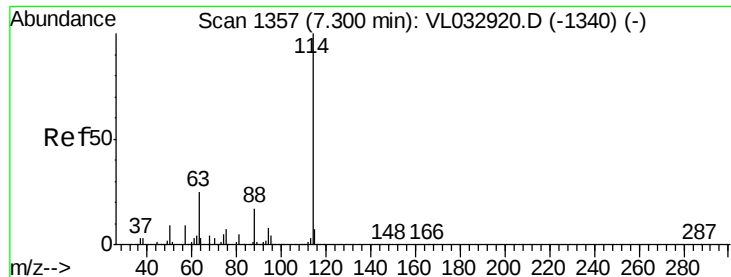
Tgt Ion: 84 Resp: 11597
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 134.1 64.1 96.1#



#31
cis-1,2-Dichloroethene
Concen: 0.061 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

Tgt Ion: 61 Resp: 6542
Ion Ratio Lower Upper
61 100
96 70.9 51.9 77.9
98 35.8 35.0 52.4

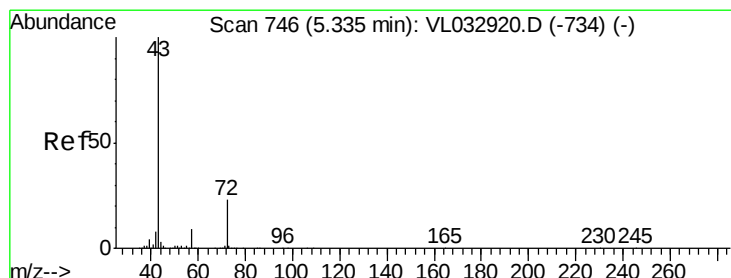
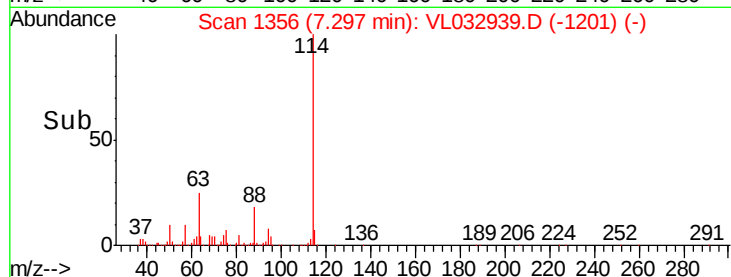
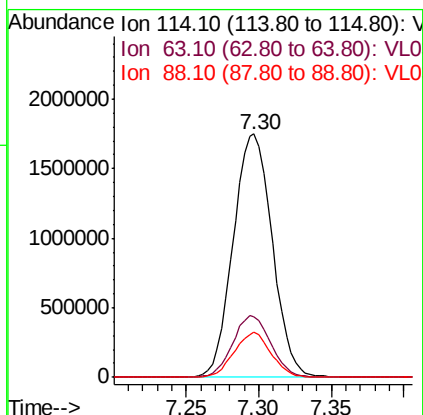
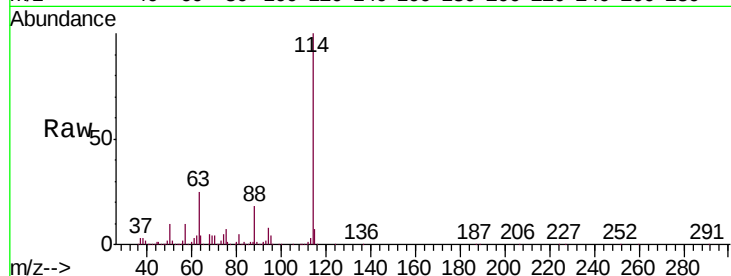




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

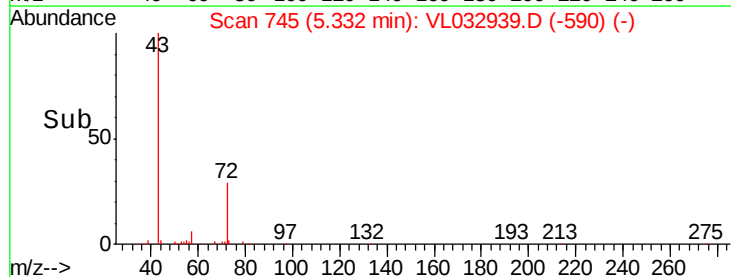
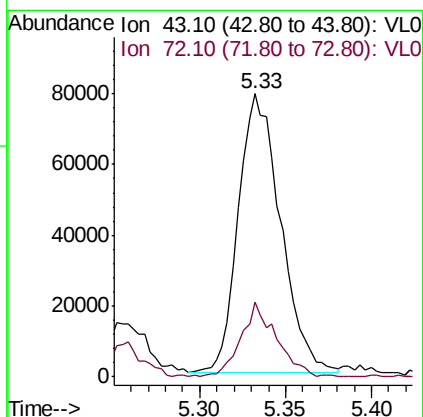
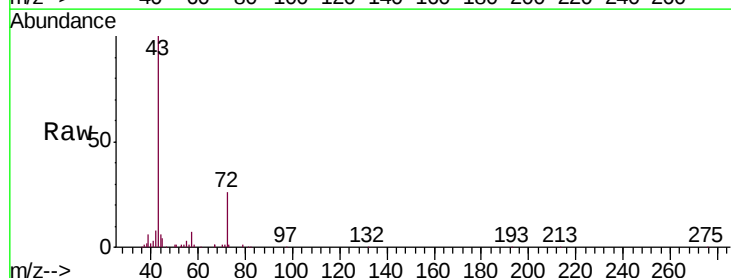
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

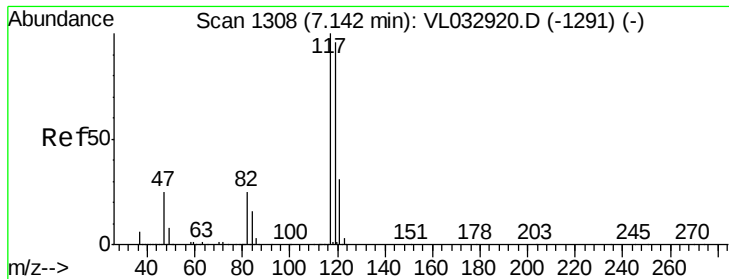
Tgt Ion:114 Resp: 3277555
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.6 14.2 21.4



#34
 2-Butanone
 Concen: 0.935 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Tgt Ion: 43 Resp: 133450
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.8 28.2





#35

Carbon Tetrachloride

Concen: 0.077 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

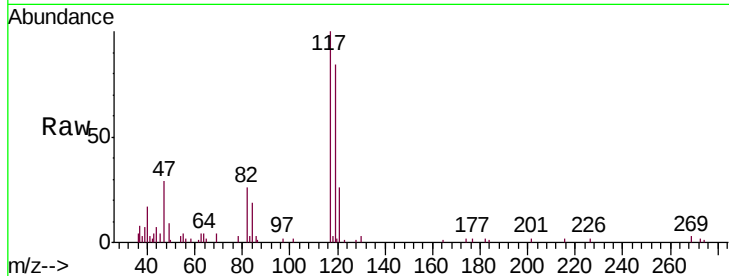
Tgt Ion:117 Resp: 19713

Ion Ratio Lower Upper

117 100

119 82.3 76.5 114.7

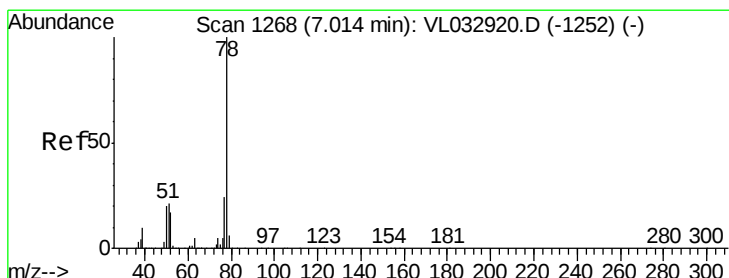
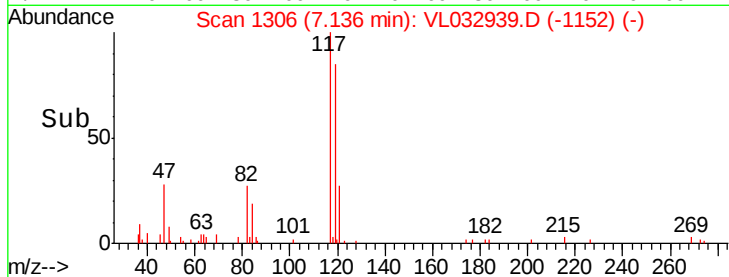
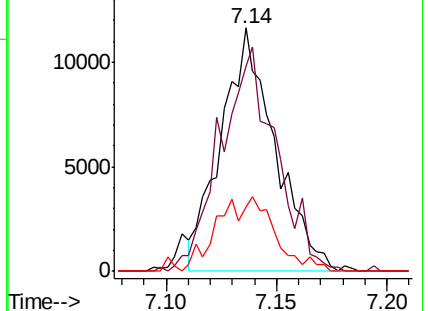
121 26.4 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.166 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

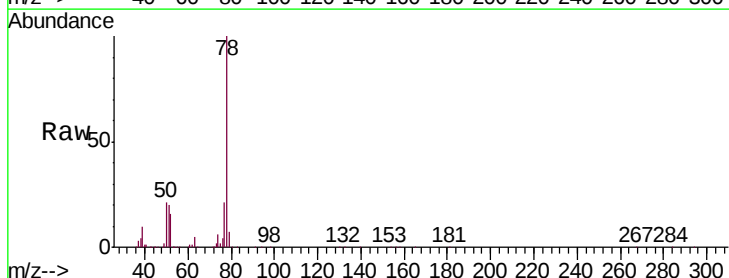
Tgt Ion: 78 Resp: 522061

Ion Ratio Lower Upper

78 100

77 20.8 18.9 28.3

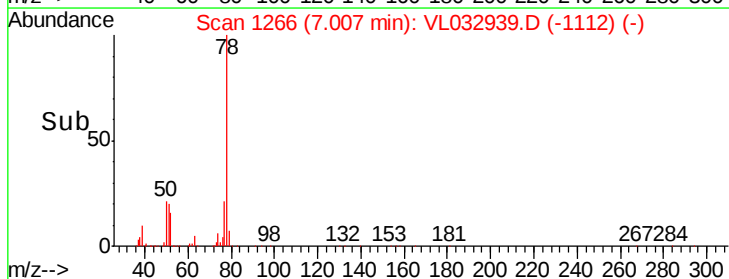
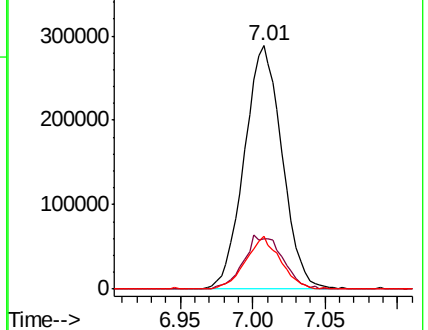
50 21.3 16.1 24.1

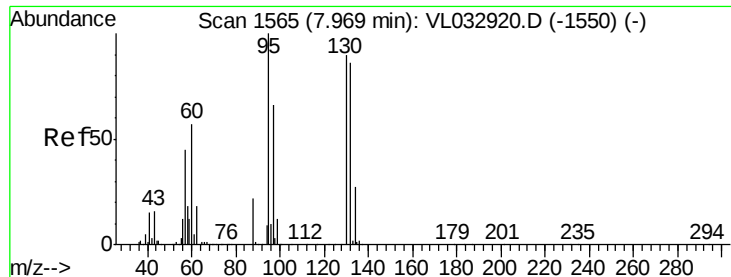


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.289 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

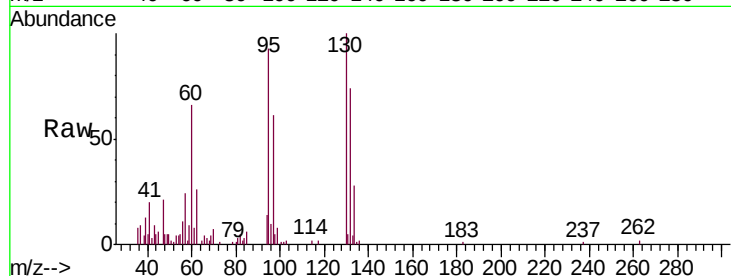
Instrument :

MSVOA_L

ClientSampled :

IA3

Tgt Ion:	130	Resp:	29035
Ion Ratio	Lower	Upper	
130	100		
95	87.5	88.6	132.8#
132	78.8	76.1	114.1
97	58.2	58.0	87.0



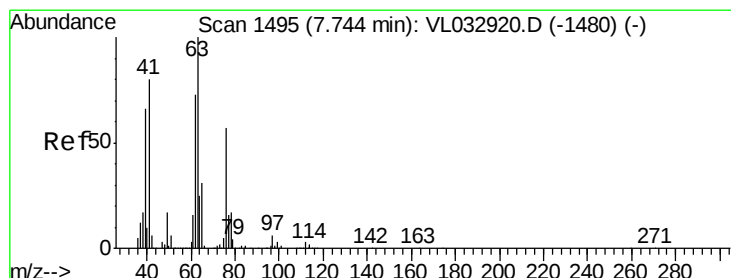
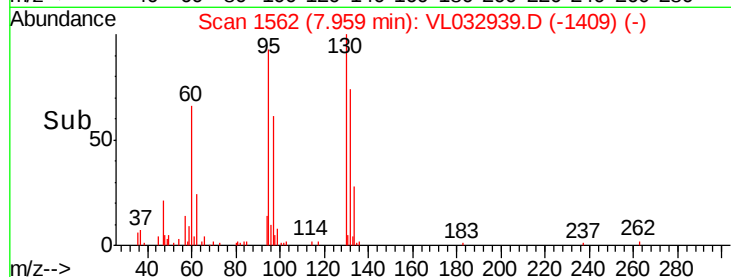
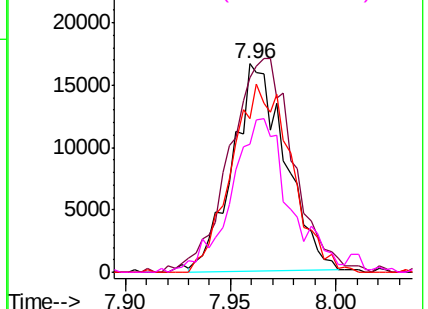
Abundance

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: 8.793 ppbv

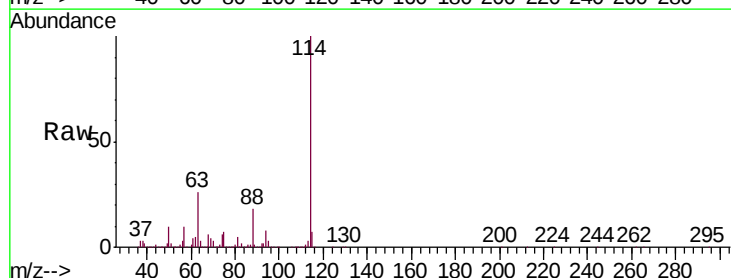
RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Tgt Ion:	63	Resp:	803888
Ion Ratio	Lower	Upper	
63	100		
41	0.0	63.9	95.9#
62	17.7	58.8	88.2#

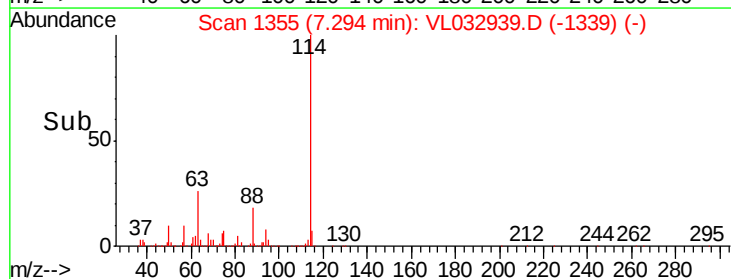
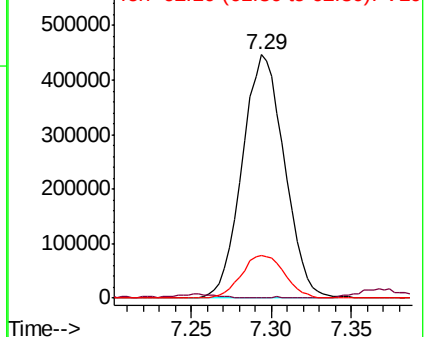


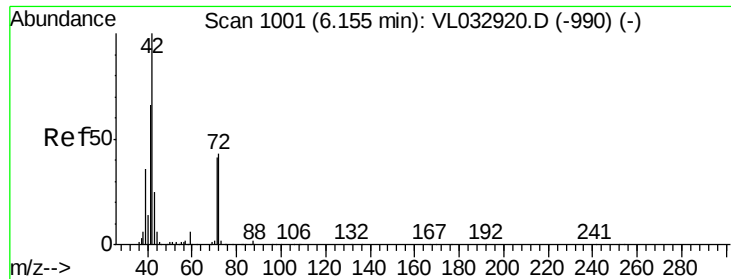
Abundance

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: 0.117 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

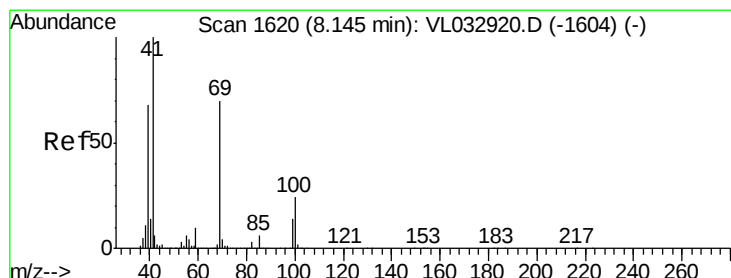
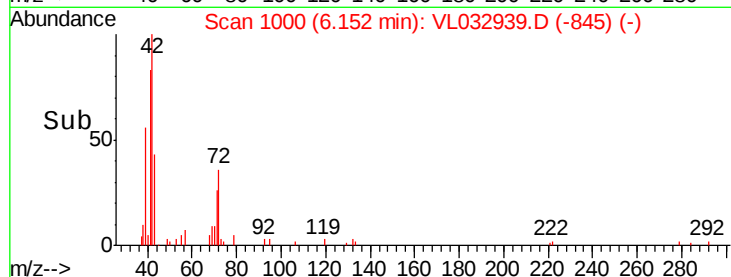
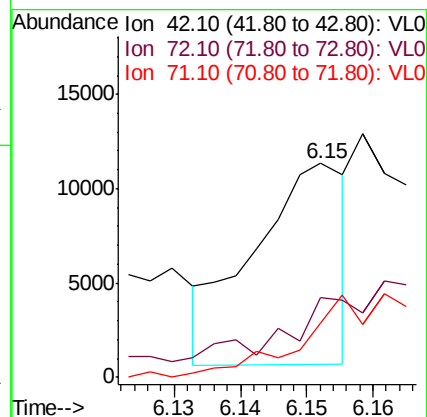
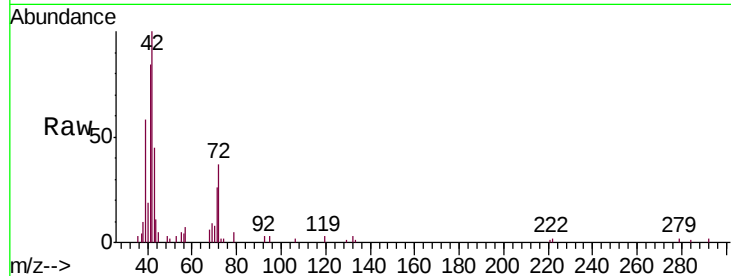
Tgt Ion: 42 Resp: 10360

Ion Ratio Lower Upper

42 100

72 0.0 32.9 49.3#

71 0.0 32.0 48.0#



#43

Methyl Methacrylate

Concen: 0.078 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

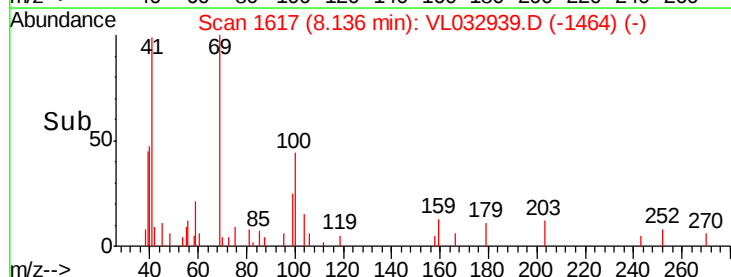
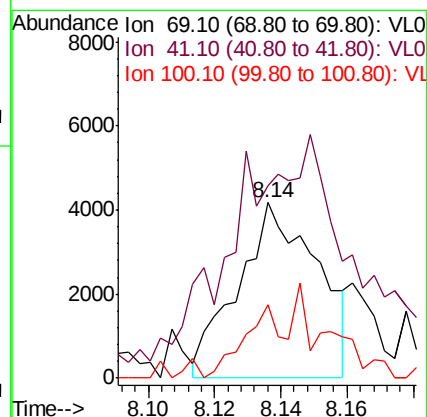
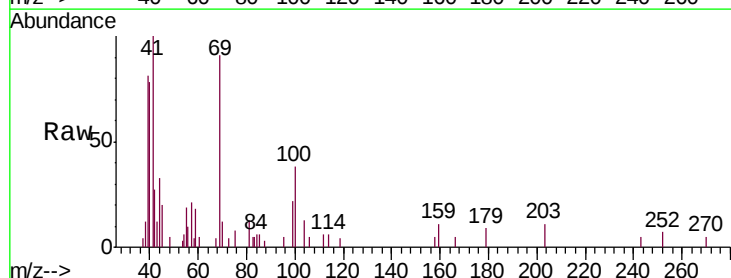
Tgt Ion: 69 Resp: 6937

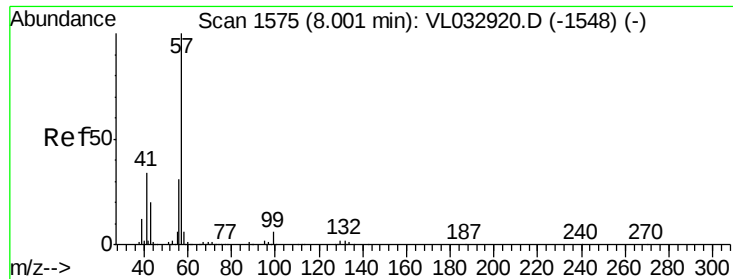
Ion Ratio Lower Upper

69 100

41 178.1 116.6 175.0#

100 47.1 26.5 39.7#

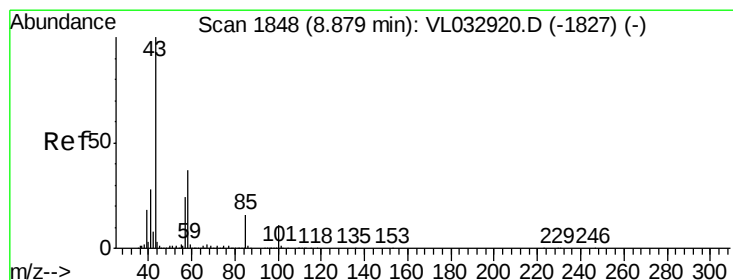
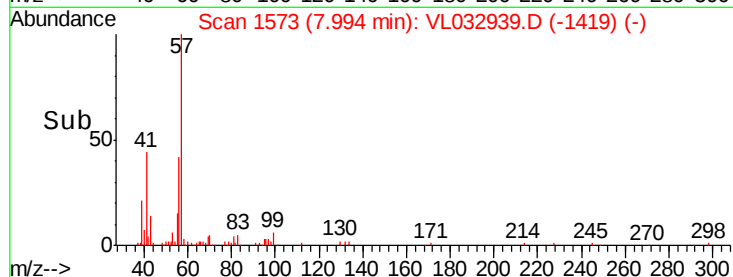
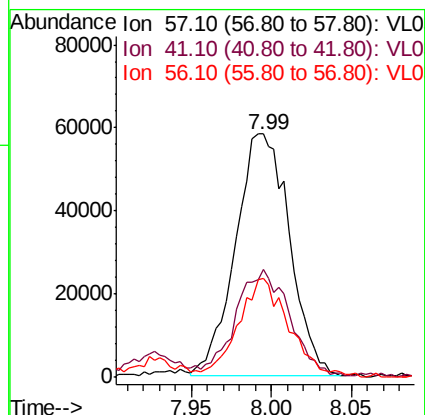
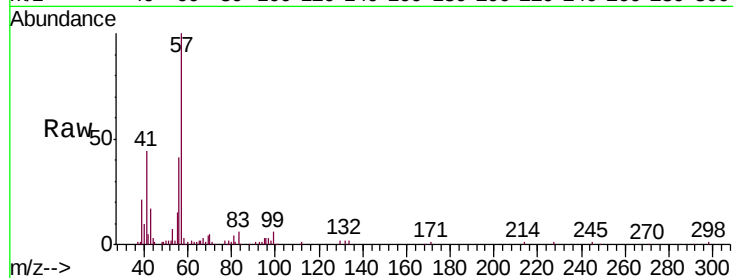




#44
 2,2,4-Trimethylpentane
 Concen: 0.328 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

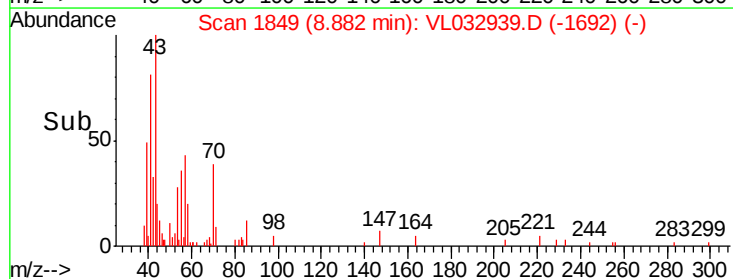
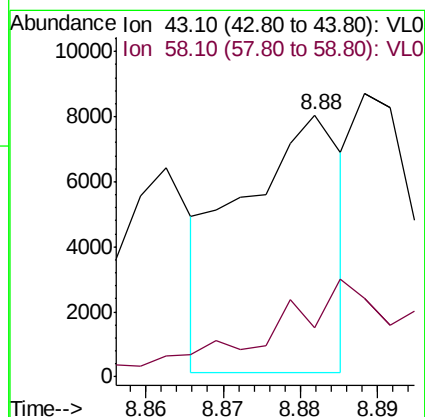
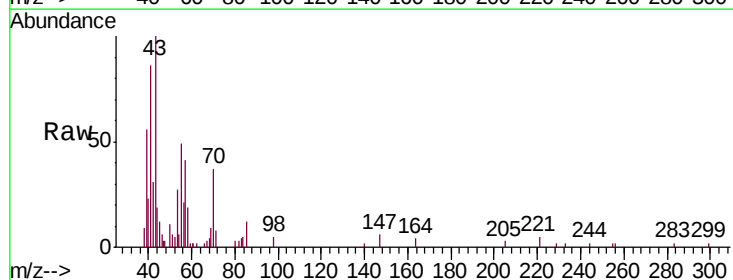
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

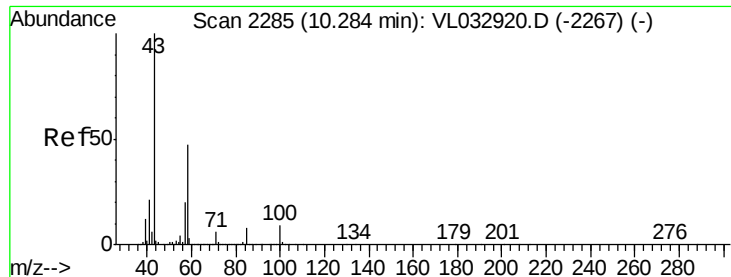
Tgt Ion: 57 Resp: 134137
 Ion Ratio Lower Upper
 57 100
 41 44.2 27.0 40.4#
 56 39.3 24.6 37.0#



#50
 4-Methyl-2-Pentanone
 Concen: 0.032 ppbv
 RT: 8.88 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Tgt Ion: 43 Resp: 7245
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 43.4#

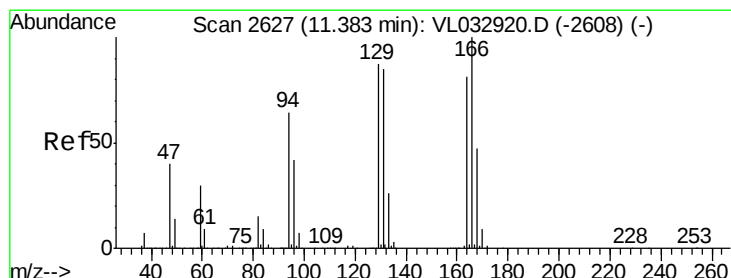
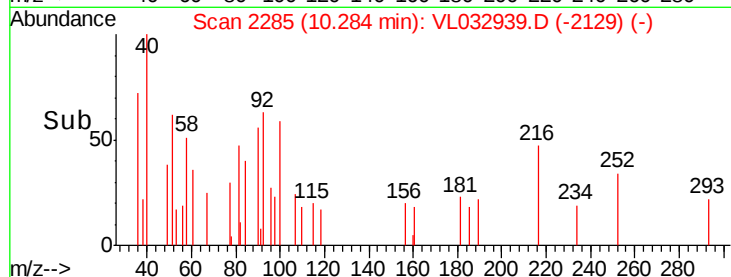
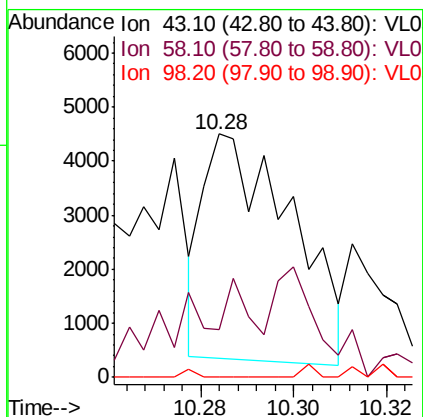
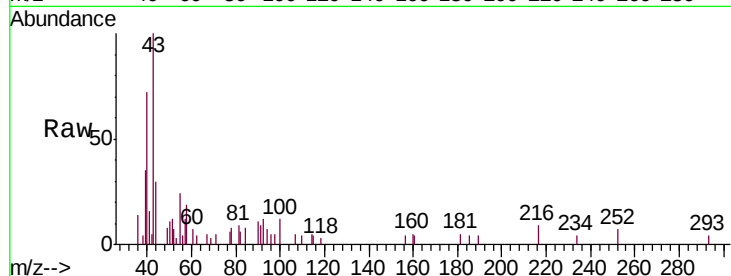




#51
2-Hexanone
Concen: 0.036 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

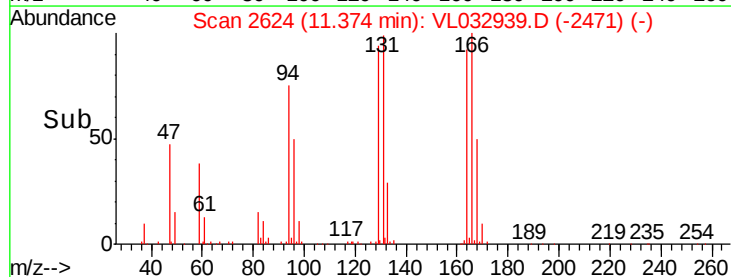
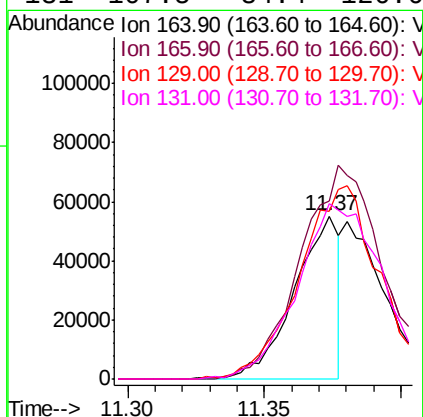
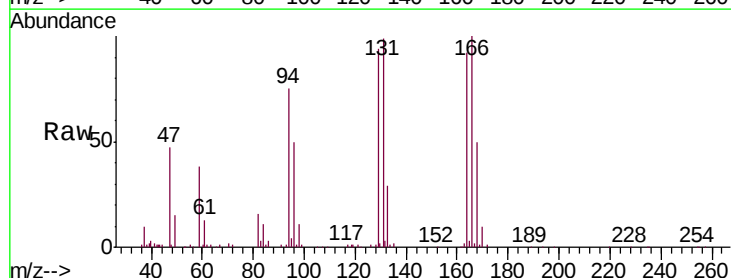
Instrument :
MSVOA_L
ClientSampled :
IA3

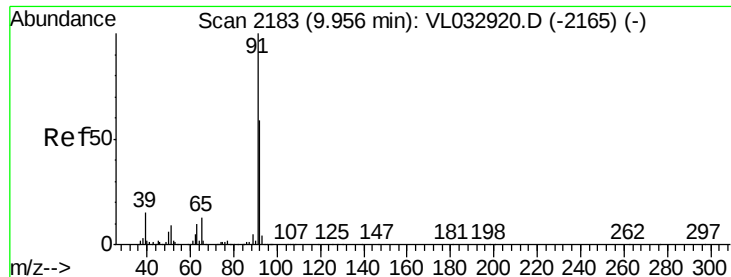
Tgt Ion: 43 Resp: 5523
Ion Ratio Lower Upper
43 100
58 0.0 38.1 57.1#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.716 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

Tgt Ion: 164 Resp: 62826
Ion Ratio Lower Upper
164 100
166 108.9 98.8 148.2
129 102.7 85.5 128.3
131 107.5 84.4 126.6





#53

Toluene

Concen: 3.629 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampled :

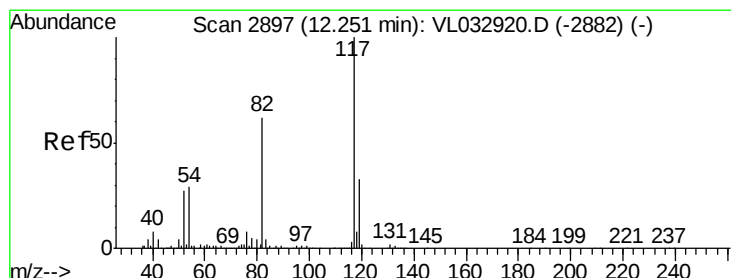
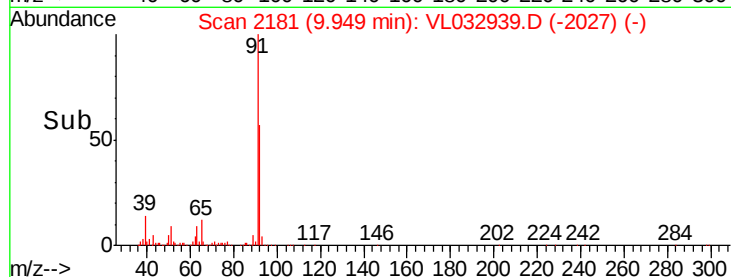
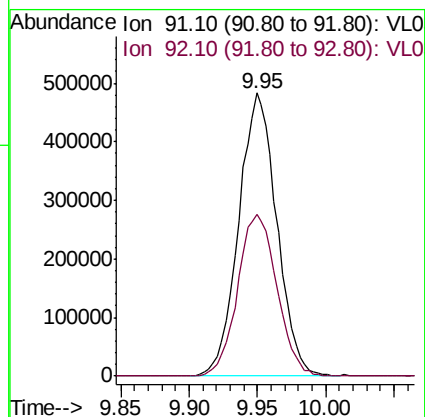
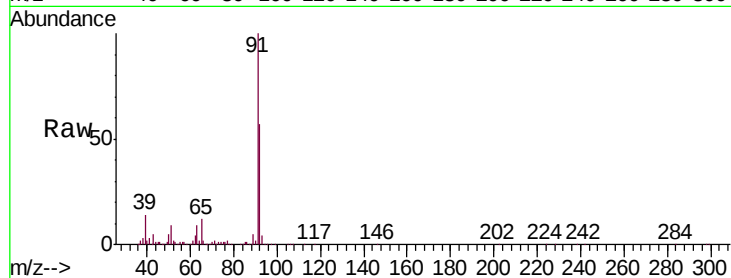
IA3

Tgt Ion: 91 Resp: 927711

Ion Ratio Lower Upper

91 100

92 59.5 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

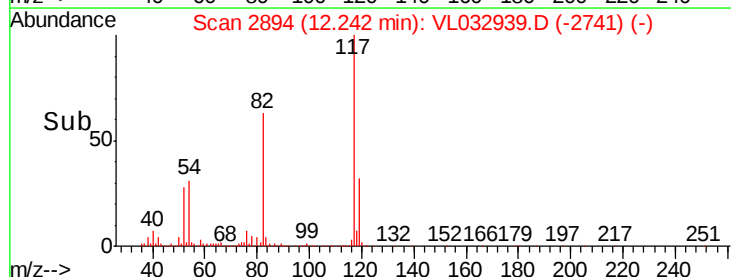
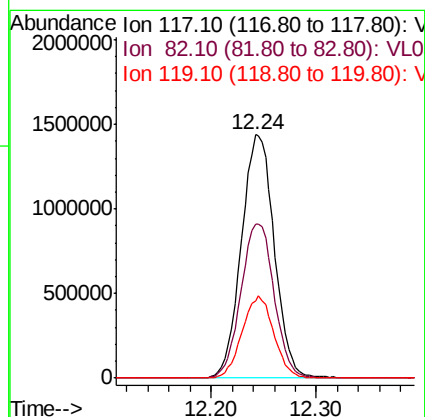
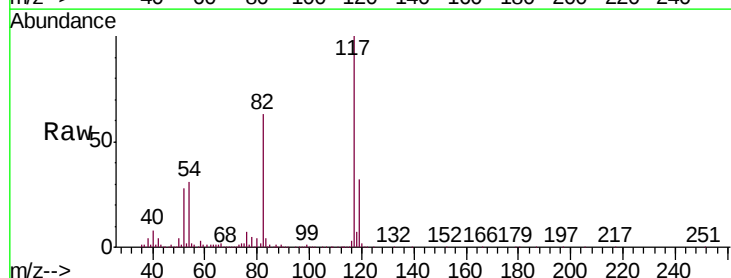
Tgt Ion: 117 Resp: 3122344

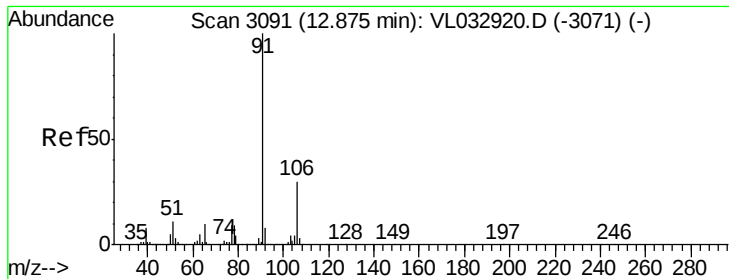
Ion Ratio Lower Upper

117 100

82 64.2 47.8 71.8

119 32.5 43.1 64.7#





#58

Ethyl Benzene

Concen: 0.183 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

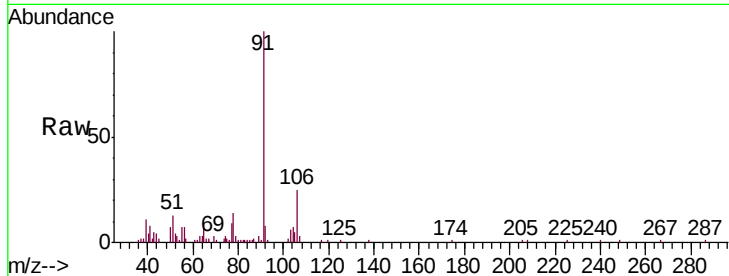
IA3

Tgt Ion: 91 Resp: 60975

Ion Ratio Lower Upper

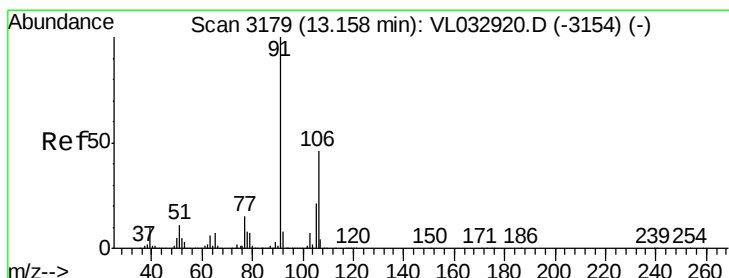
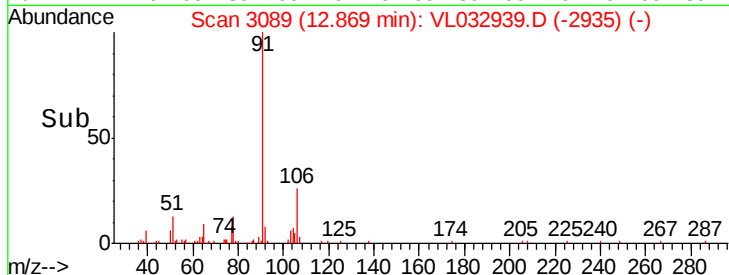
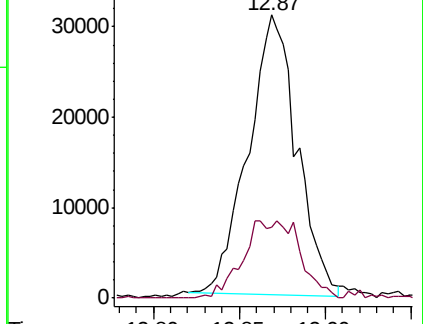
91 100

106 25.6 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.147 ppbv

RT: 13.15 min Scan# 3177

Delta R.T. -0.01 min

Lab File: VL032939.D

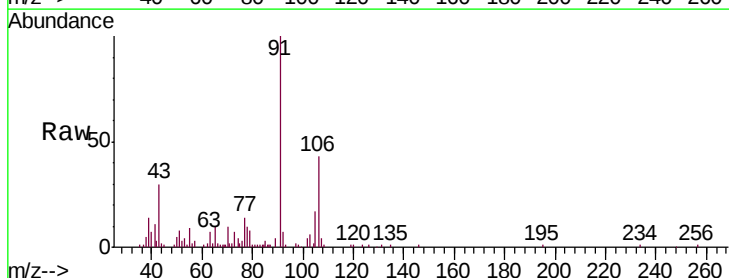
Acq: 7 Dec 2018 17:53

Tgt Ion: 91 Resp: 44498

Ion Ratio Lower Upper

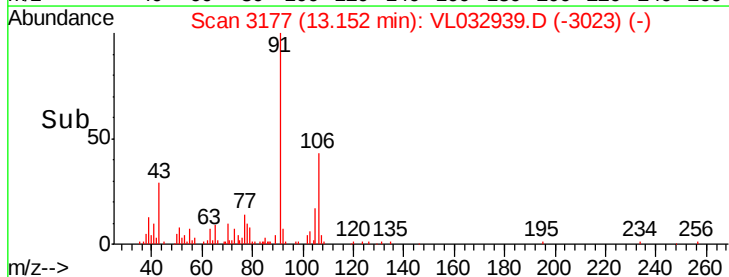
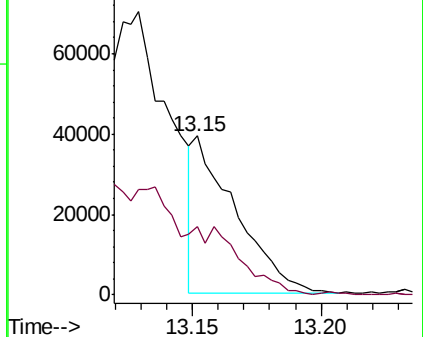
91 100

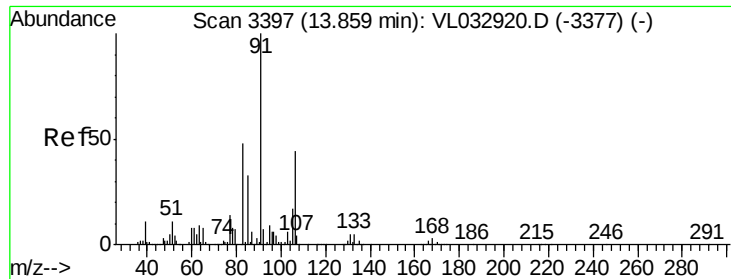
106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

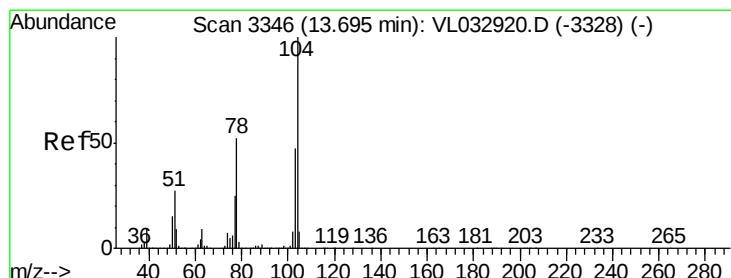
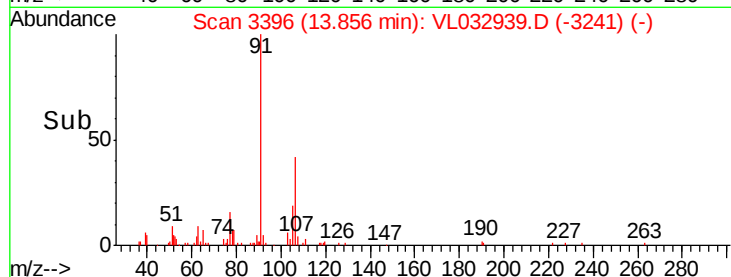
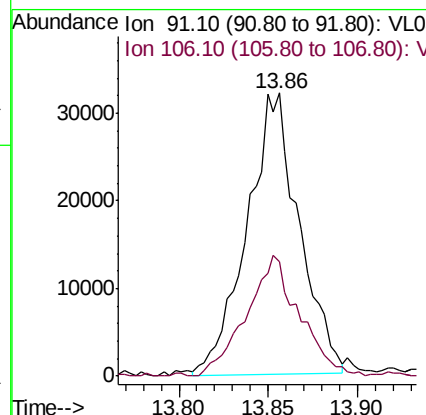
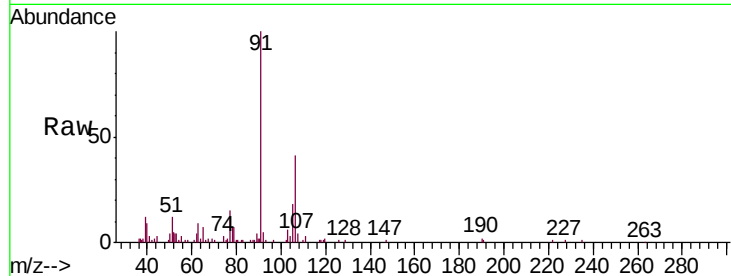




#60
o-Xylene
Concen: 0.215 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

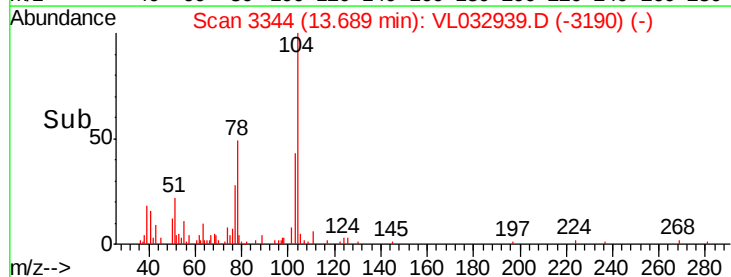
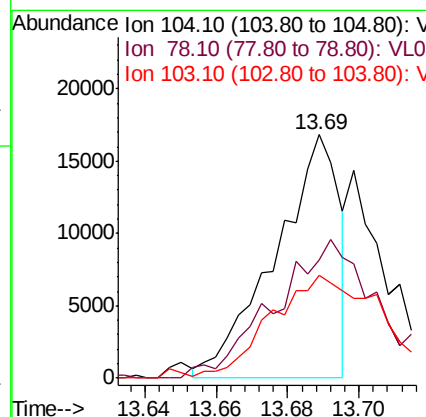
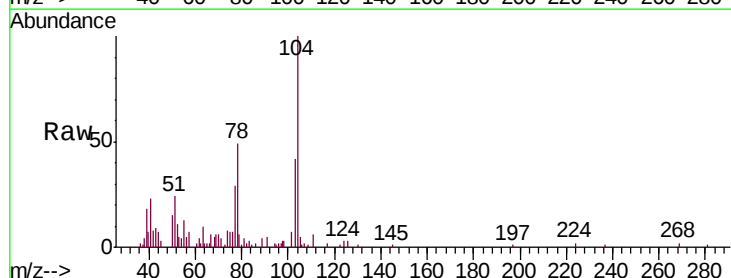
Instrument :
MSVOA_L
ClientSampleId :
IA3

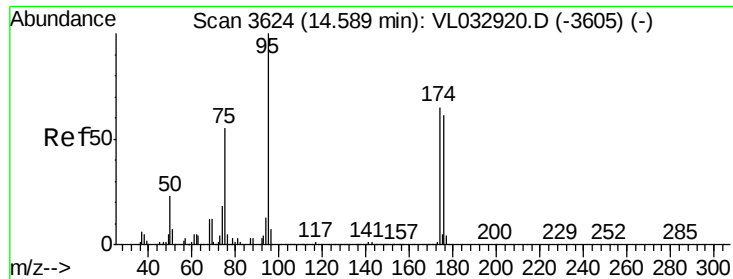
Tgt Ion: 91 Resp: 65545
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8



#61
Styrene
Concen: 0.103 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032939.D
Acq: 7 Dec 2018 17:53

Tgt Ion: 104 Resp: 20967
Ion Ratio Lower Upper
104 100
78 96.3 42.0 63.0#
103 75.6 38.3 57.5#

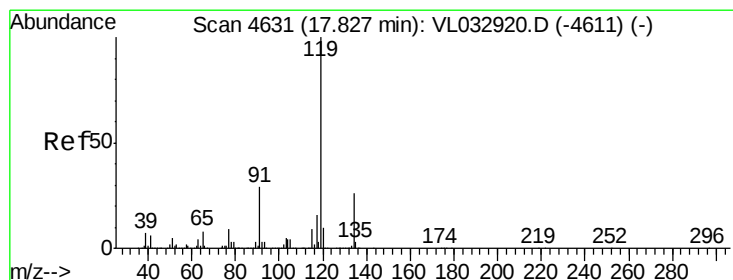
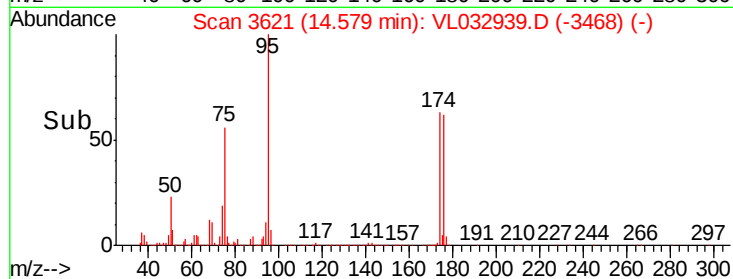
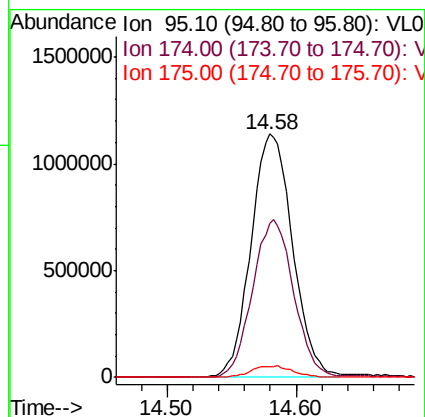
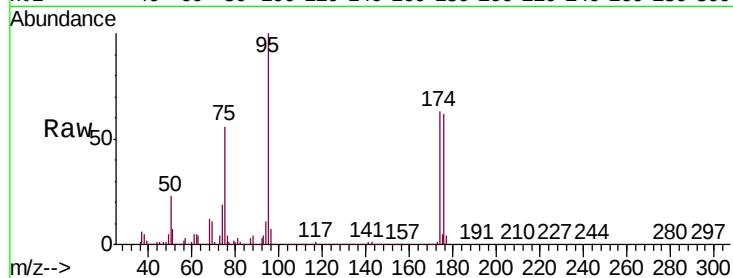




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.079 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

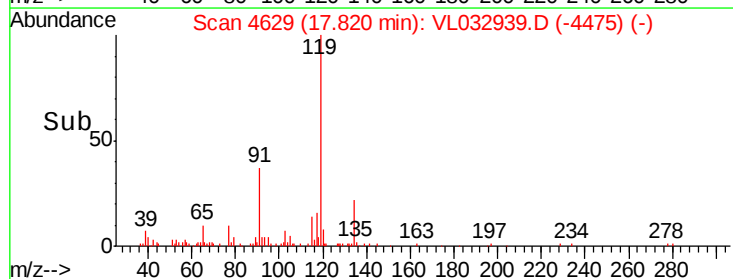
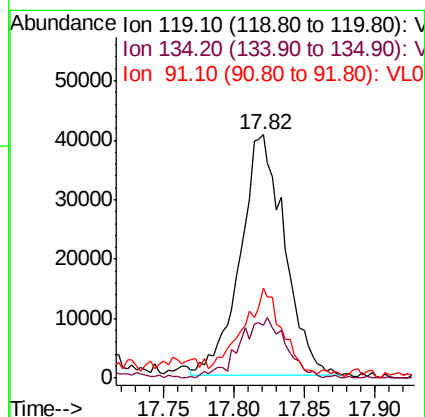
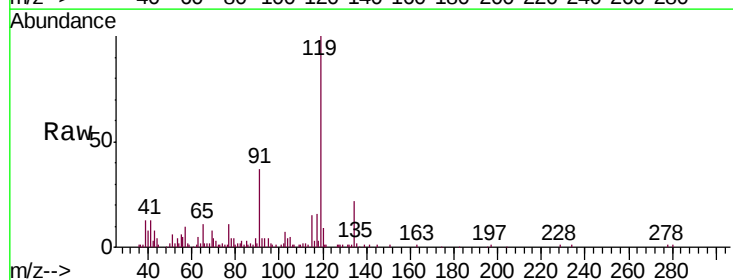
Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

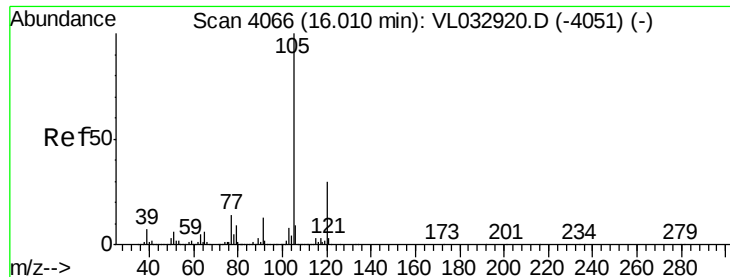
Tgt Ion: 95 Resp: 2555541
 Ion Ratio Lower Upper
 95 100
 174 65.1 51.4 77.0
 175 4.8 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.189 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Tgt Ion: 119 Resp: 88860
 Ion Ratio Lower Upper
 119 100
 134 26.5 20.2 30.2
 91 36.3 22.9 34.3#





#72

4-Ethyltoluene

Concen: 0.055 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

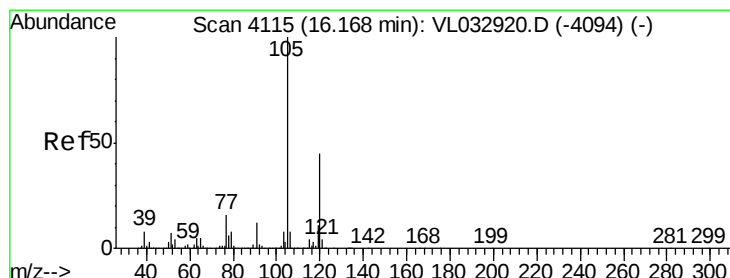
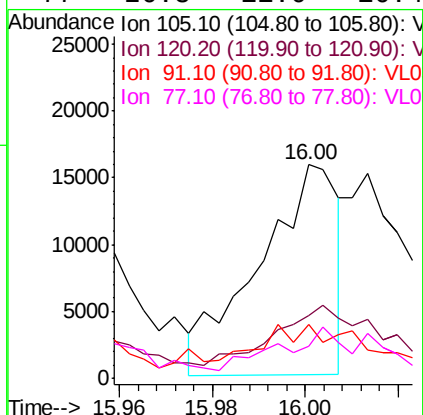
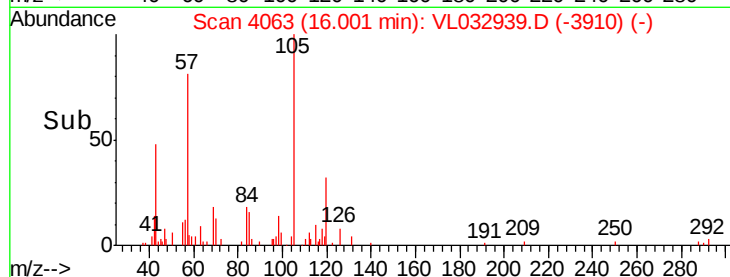
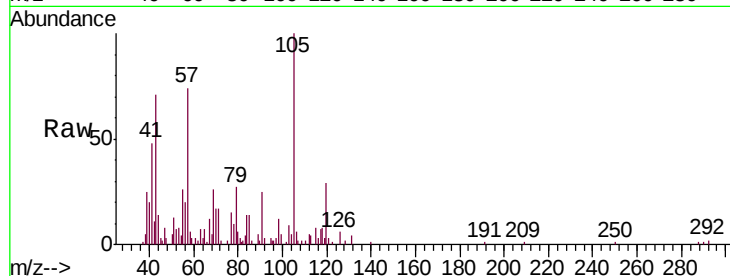
Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion:	105	Resp:	18739
Ion	Ratio	Lower	Upper
105	100		
120	55.4	23.0	34.4#
91	45.5	10.4	15.6#
77	26.8	11.0	16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.107 ppbv

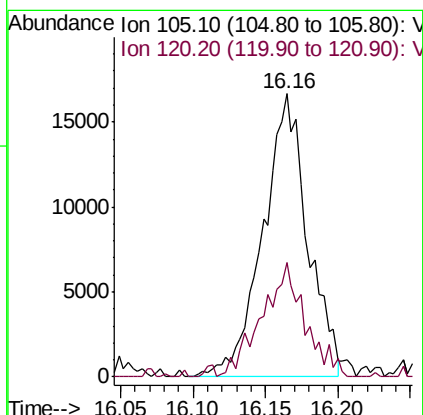
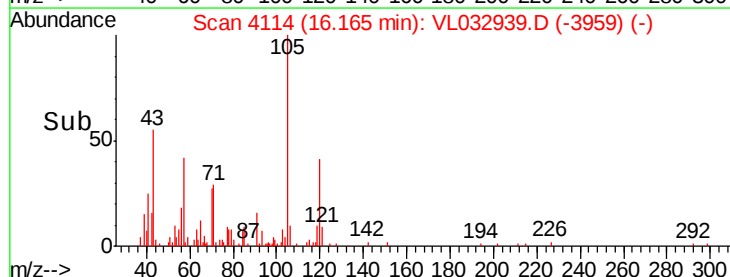
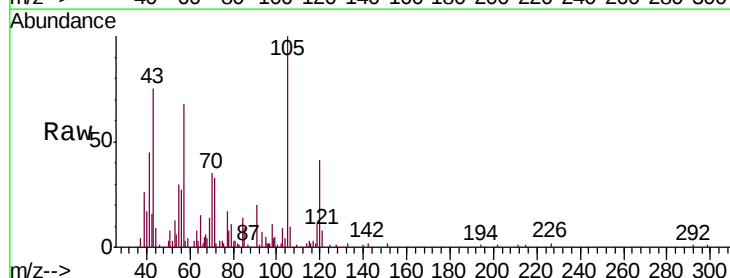
RT: 16.16 min Scan# 4114

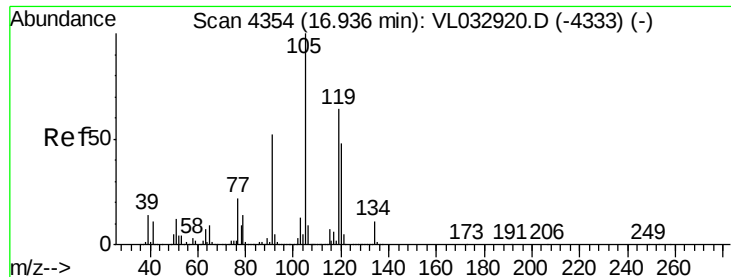
Delta R.T. -0.00 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Tgt Ion:	105	Resp:	35610
Ion	Ratio	Lower	Upper
105	100		
120	38.1	36.0	54.0

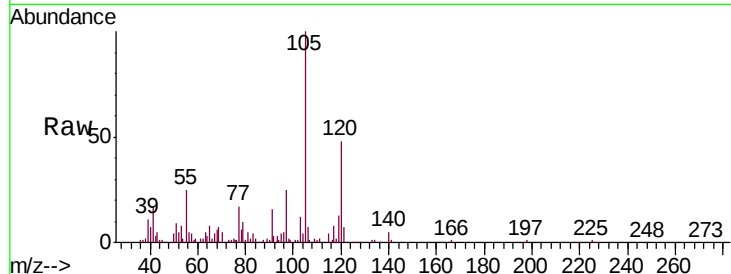




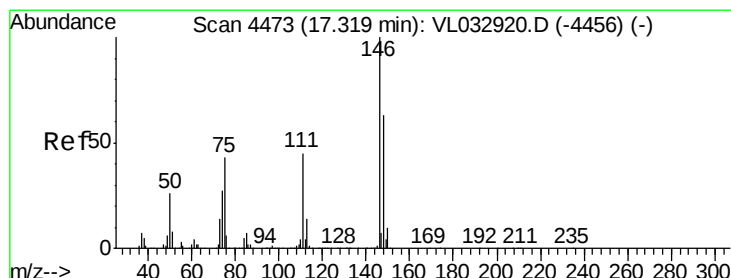
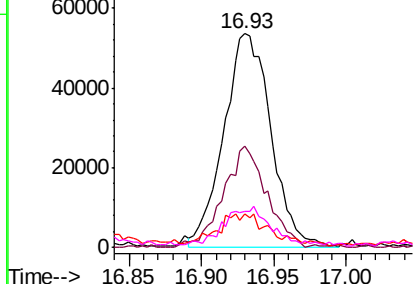
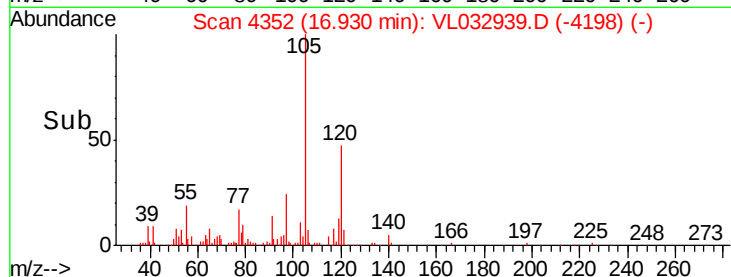
#74
 1,2,4-Trimethylbenzene
 Concen: 0.321 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

Tgt Ion:	105	Resp:	120601
Ion	Ratio	Lower	Upper
105	100		
120	46.1	38.6	58.0
91	14.7	41.7	62.5#
77	15.4	17.4	26.2#

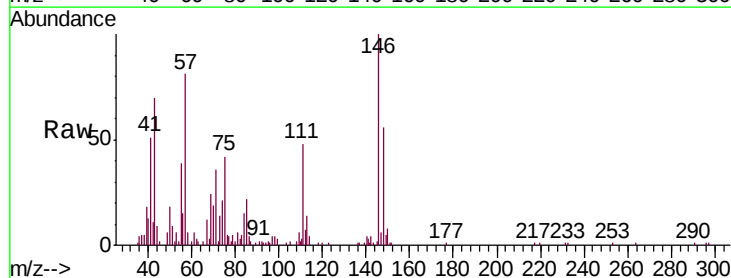


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

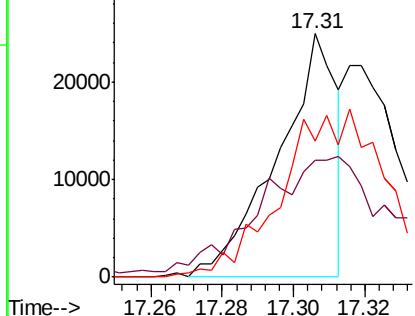
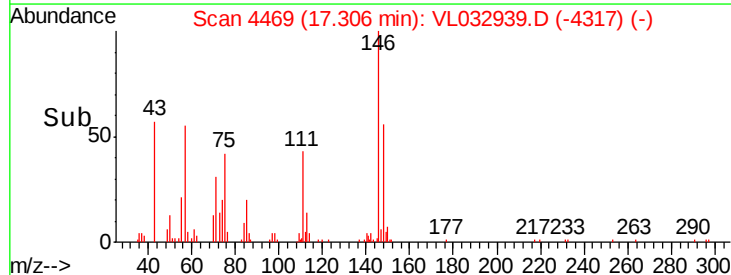


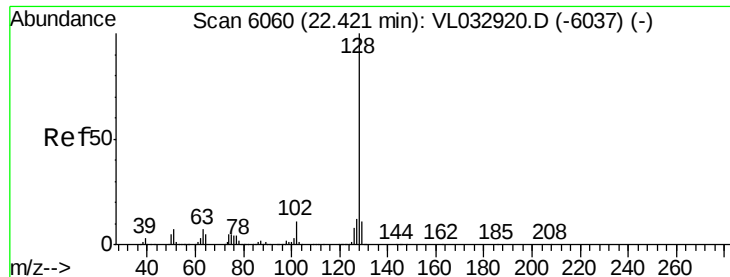
#76
 1,4-Dichlorobenzene
 Concen: 0.138 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. -0.01 min
 Lab File: VL032939.D
 Acq: 7 Dec 2018 17:53

Tgt Ion:	146	Resp:	28481
Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.4#
148	0.0	32.0	96.2#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.062 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

Instrument :

MSVOA_L

ClientSampleId :

IA3

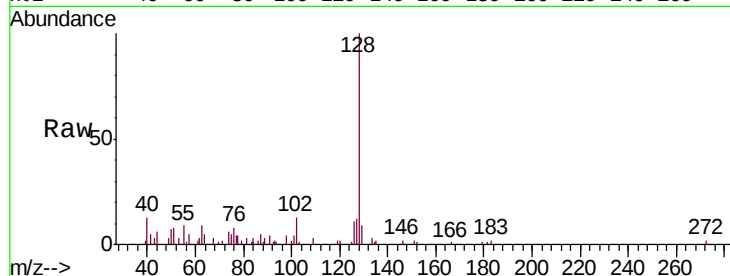
Tgt Ion:128 Resp: 15071

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

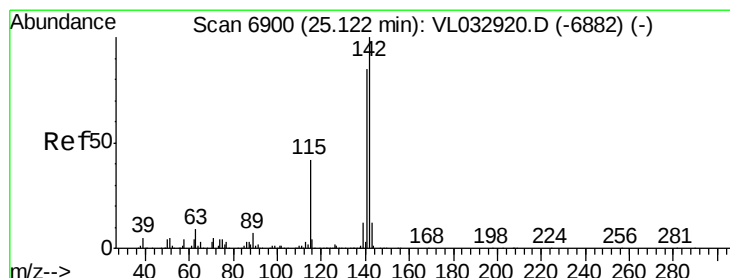
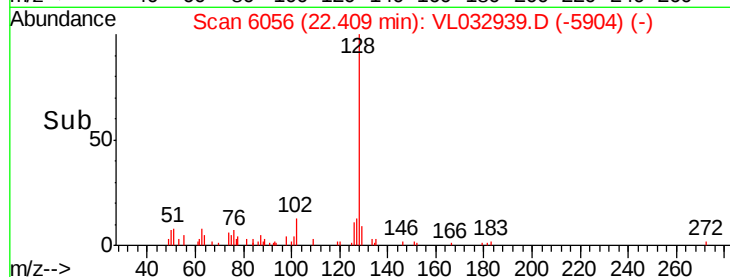
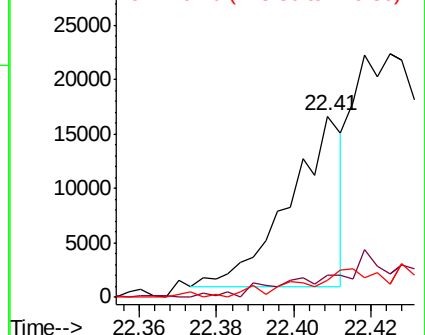
129 6.7 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.037 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.01 min

Lab File: VL032939.D

Acq: 7 Dec 2018 17:53

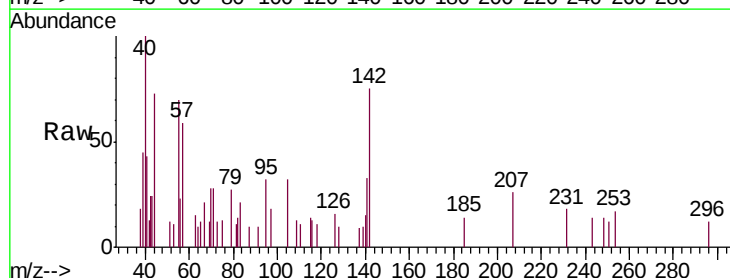
Tgt Ion:142 Resp: 1905

Ion Ratio Lower Upper

142 100

141 110.4 68.2 102.2#

115 29.2 35.1 52.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

