

Data File : VL032941.D
Acq On : 7 Dec 2018 19:13
Operator : SY/AP
Sample : J6262-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA4

Quant Time: Dec 08 02:02:06 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	1273068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3246413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3126472	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 2533779 10.97 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 109.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	34353	0.202	ppbv	96
3) Chlorodifluoromethane	3.01	51	163865	1.700	ppbv #	83
4) Chloromethane	3.17	50	33318	0.594	ppbv	89
9) Propene	3.24	41	101063	2.651	ppbv	95
10) Heptane	8.25	43	43605	0.304	ppbv	96
11) Trichlorofluoromethane	4.00	101	40322	0.252	ppbv	97
13) Ethanol	3.67	45	3909146	297.813	ppbv	95
15) Acetone	3.90	43	10310974	94.361	ppbv	93
16) 1,3-Butadiene	3.35	39	16980	0.392	ppbv #	38
17) tert-Butyl alcohol	4.38	59	19458	0.699	ppbv #	98
19) Isopropyl Alcohol	4.04	45	8166717	119.009	ppbv #	2
20) Methylene Chloride	4.42	84	278491	5.215	ppbv #	89
21) Allyl Chloride	4.42	41	12849	0.144	ppbv #	1
23) Vinyl Acetate	5.15	43	47546	0.257	ppbv #	1
25) Ethyl Acetate	5.77	43	2100614	8.138	ppbv #	95
26) Hexane	5.78	57	548236	4.600	ppbv #	34
29) Chloroform	5.85	83	72942	0.343	ppbv	99
30) Cyclohexane	7.25	84	3530	0.036	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	6271	0.057	ppbv	98
34) 2-Butanone	5.33	43	196001	1.386	ppbv	98
36) Benzene	7.00	78	116546	0.488	ppbv	96
38) Trichloroethene	7.96	130	16718	0.168	ppbv	92
39) 1,2-Dichloropropane	7.29	63	812566	8.973	ppbv #	20
41) Tetrahydrofuran	6.15	42	63560	0.723	ppbv	99
43) Methyl Methacrylate	8.14	69	7082031	80.042	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	97102	0.240	ppbv #	57
50) 4-Methyl-2-Pentanone	8.88	43	8769	0.039	ppbv #	39
52) Tetrachloroethene	11.37	164	203326	2.341	ppbv	98
53) Toluene	9.95	91	1656514	6.541	ppbv	100
58) Ethyl Benzene	12.87	91	54126	0.162	ppbv #	88
59) m/p-Xylene	13.15	91	49663	0.164	ppbv #	100
60) o-Xylene	13.85	91	57745	0.189	ppbv	97
72) 4-Ethyltoluene	16.00	105	32028	0.094	ppbv #	56
73) 1,3,5-Trimethylbenzene	16.16	105	32713	0.098	ppbv	94
74) 1,2,4-Trimethylbenzene	16.93	105	259494	0.691	ppbv #	66
76) 1,4-Dichlorobenzene	17.30	146	8792	0.043	ppbv #	1
80) Naphthalene,2-methyl-	25.11	142	5994	0.116	ppbv #	78

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA4

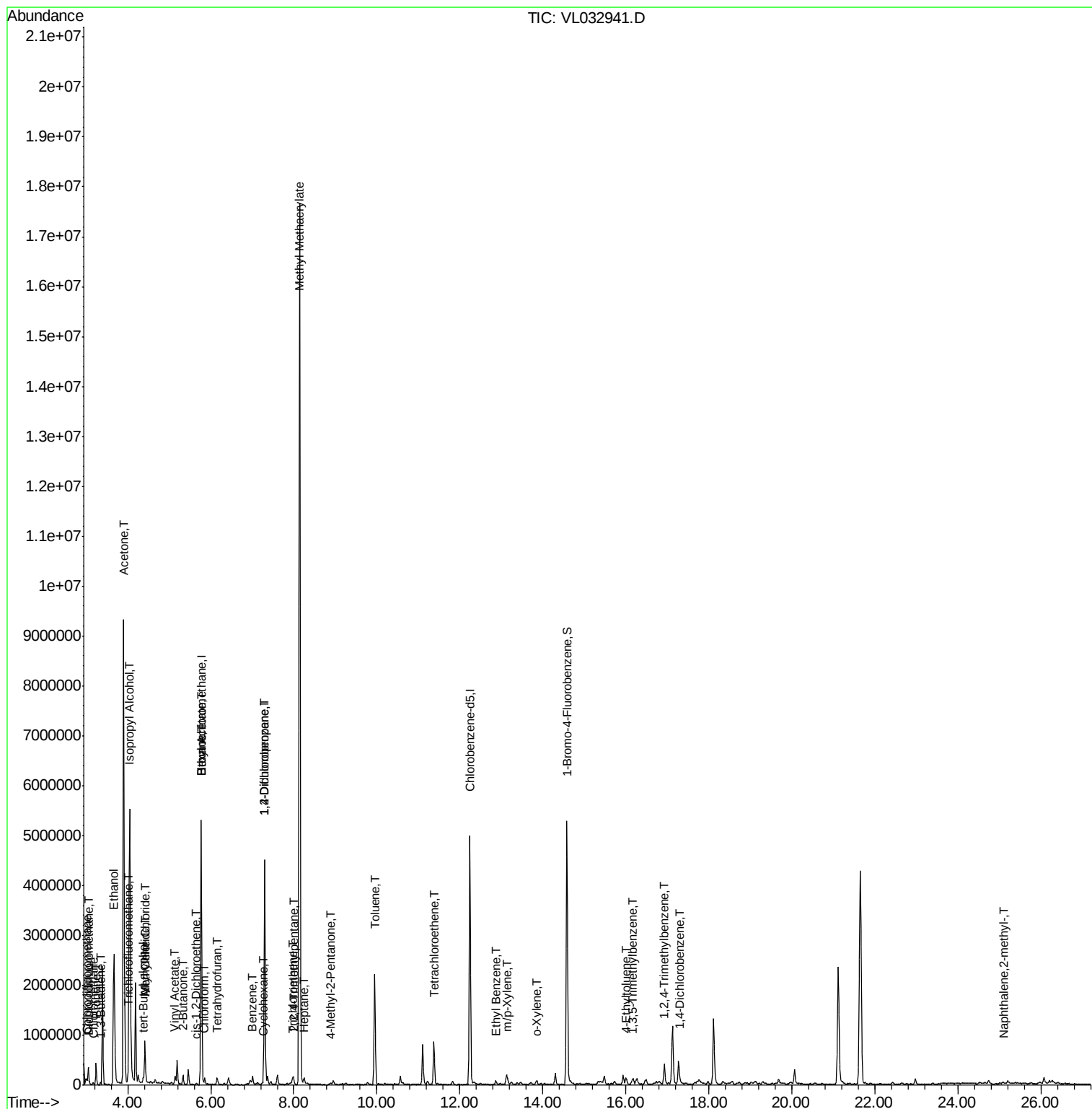
Quant Time: Dec 08 02:02:06 2018

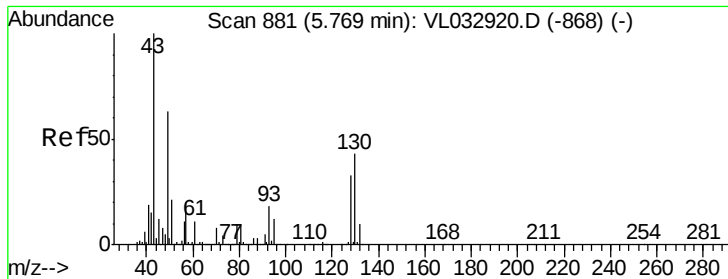
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL120718AIR.M

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# 881

Delta R.T. 0.00 min

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ClientSampleId :

IA4

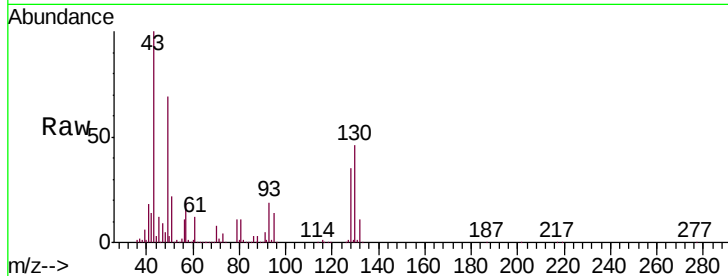
Tgt Ion: 49 Resp: 1273068

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

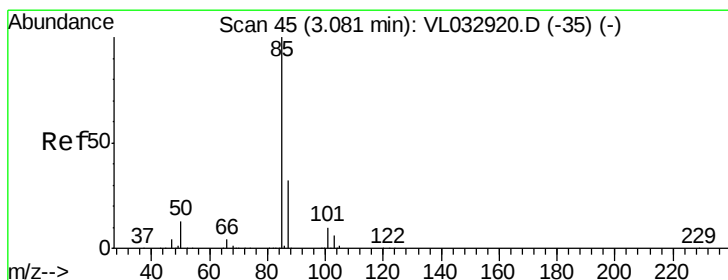
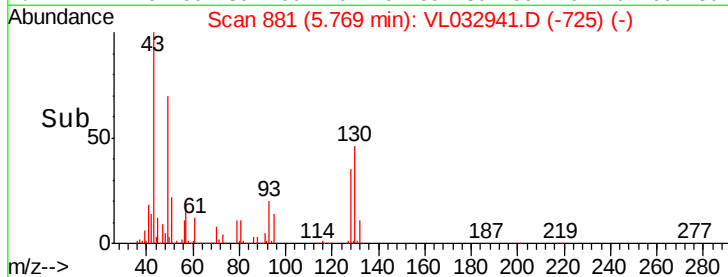
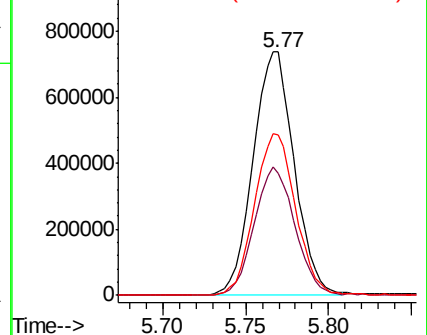
130 66.9 33.9 101.7



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: 0.202 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL032941.D

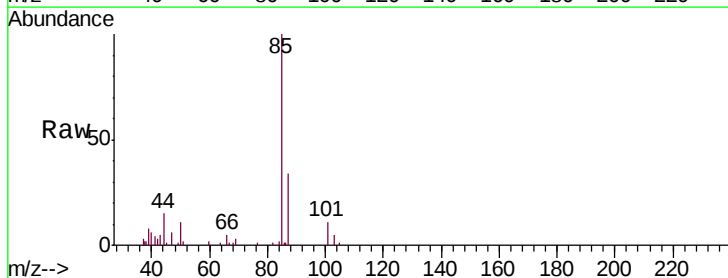
Acq: 7 Dec 2018 19:13

Tgt Ion: 85 Resp: 34353

Ion Ratio Lower Upper

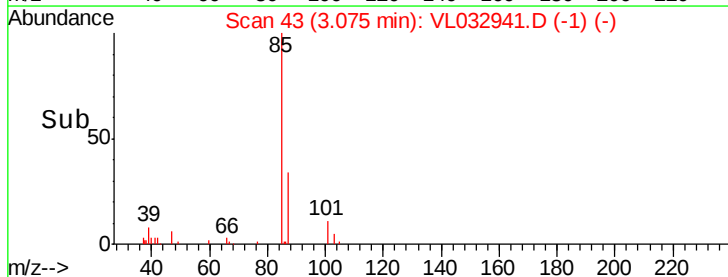
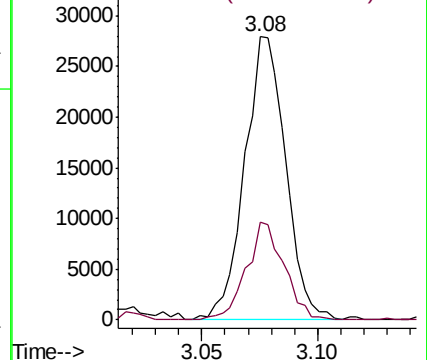
85 100

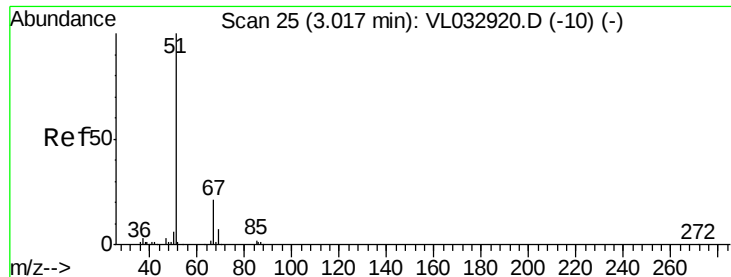
87 34.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.700 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

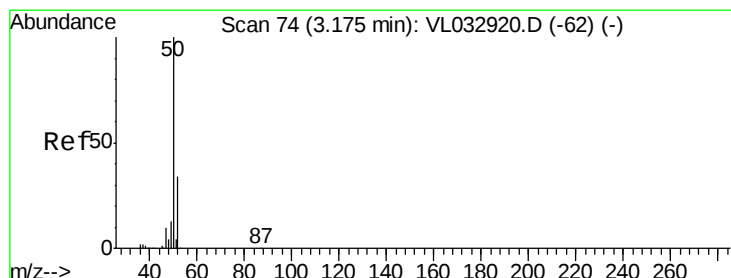
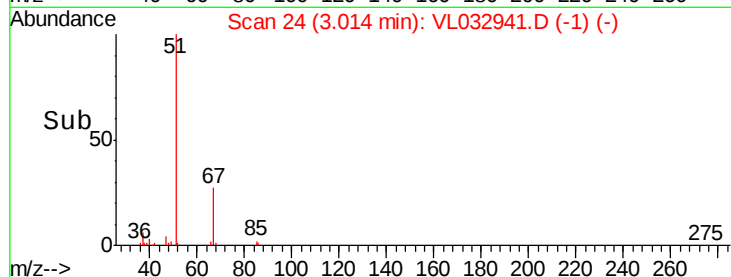
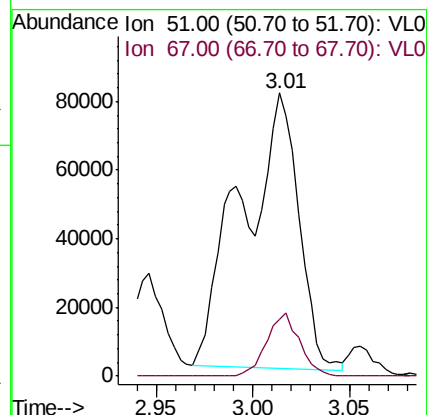
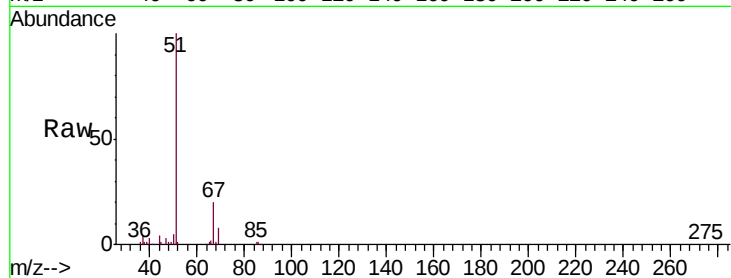
IA4

Tgt Ion: 51 Resp: 163865

Ion Ratio Lower Upper

51 100

67 13.3 16.8 25.2#



#4

Chloromethane

Concen: 0.594 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032941.D

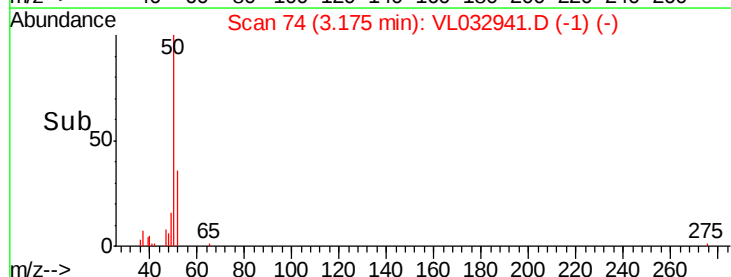
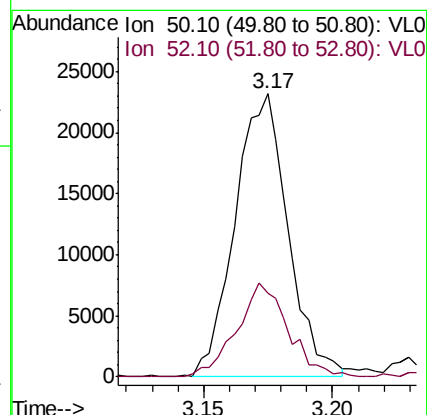
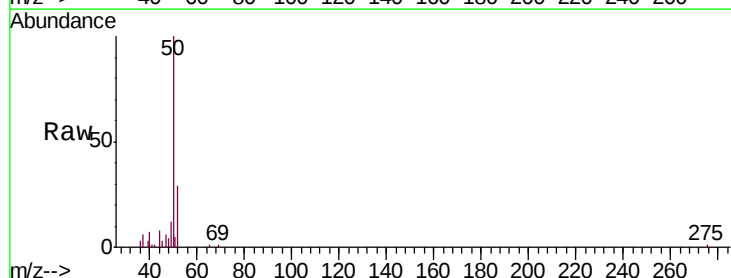
Acq: 7 Dec 2018 19:13

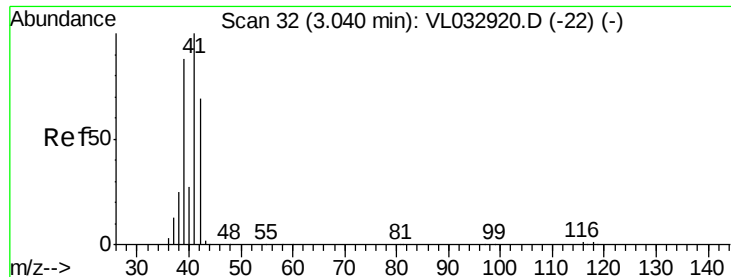
Tgt Ion: 50 Resp: 33318

Ion Ratio Lower Upper

50 100

52 28.1 27.3 40.9





#9

Propene

Concen: 2.651 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

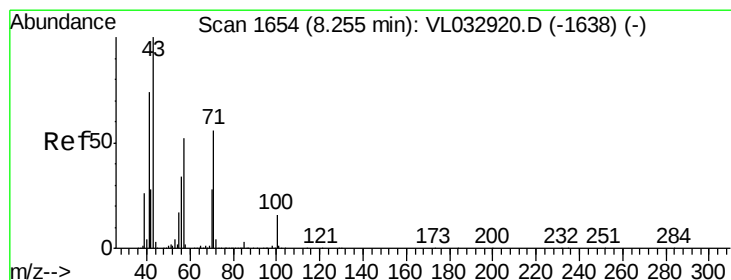
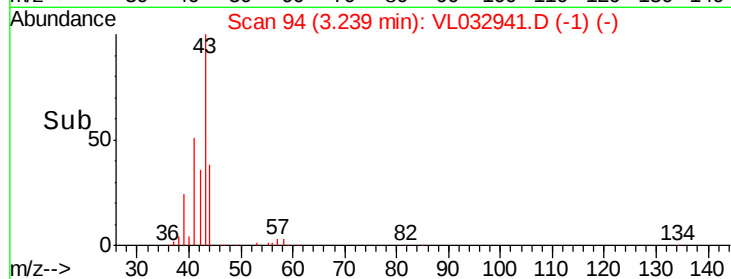
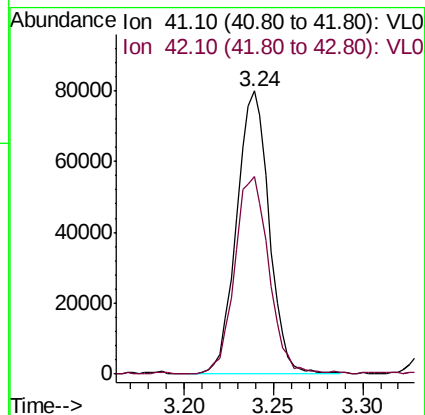
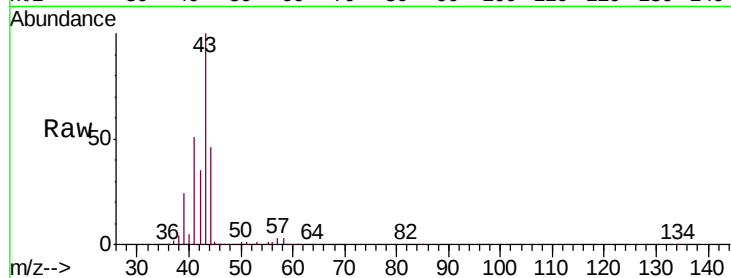
IA4

Tgt Ion: 41 Resp: 101063

Ion Ratio Lower Upper

41 100

42 74.6 56.2 84.2



#10

Heptane

Concen: 0.304 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL032941.D

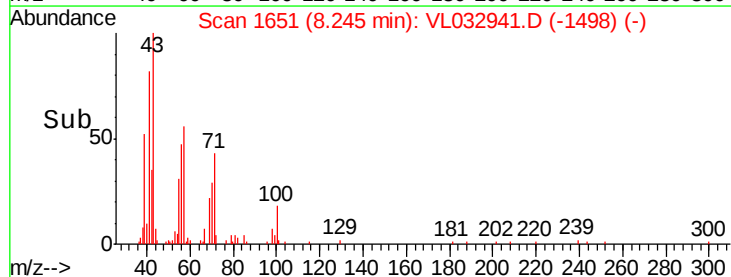
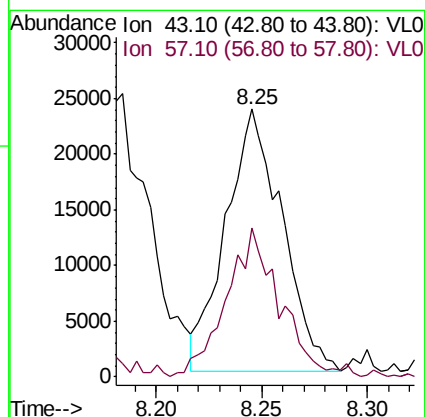
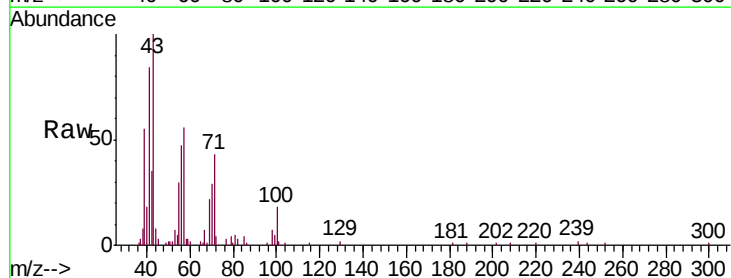
Acq: 7 Dec 2018 19:13

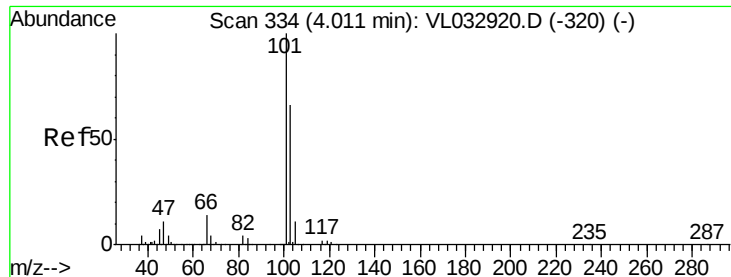
Tgt Ion: 43 Resp: 43605

Ion Ratio Lower Upper

43 100

57 55.0 41.8 62.6

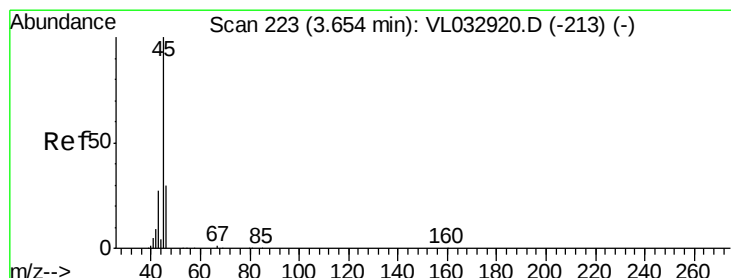
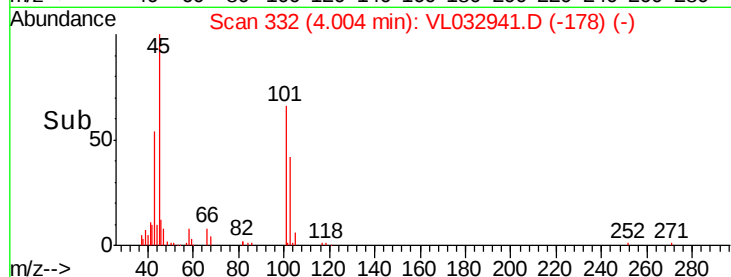
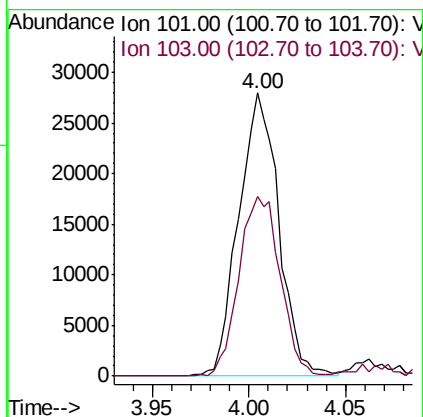
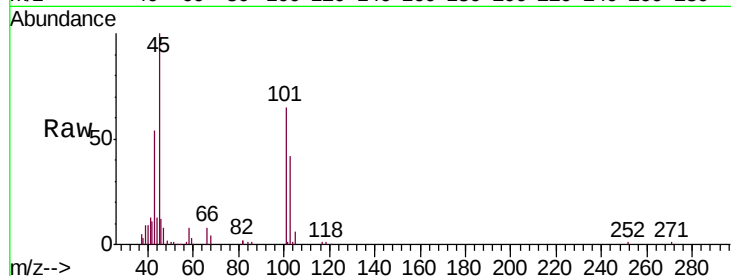




#11
 Trichlorofluoromethane
 Concen: 0.252 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

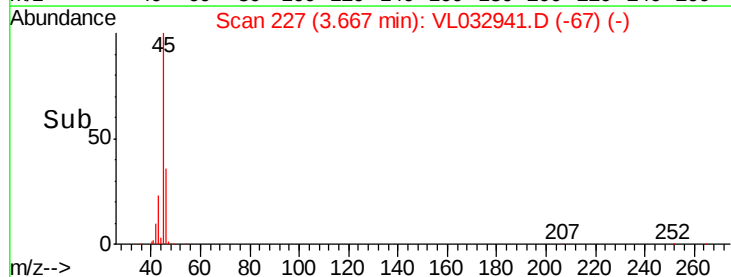
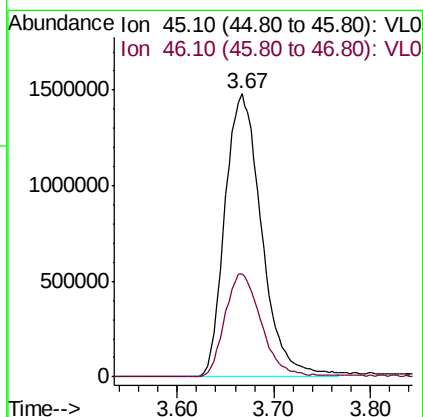
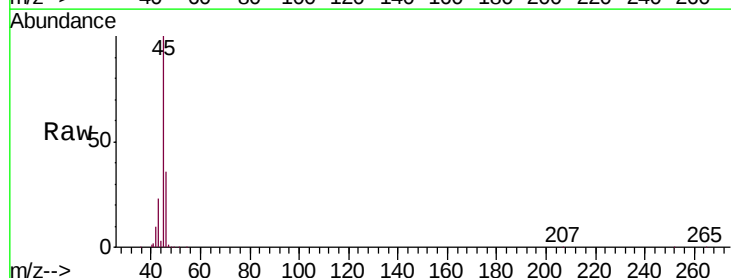
Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

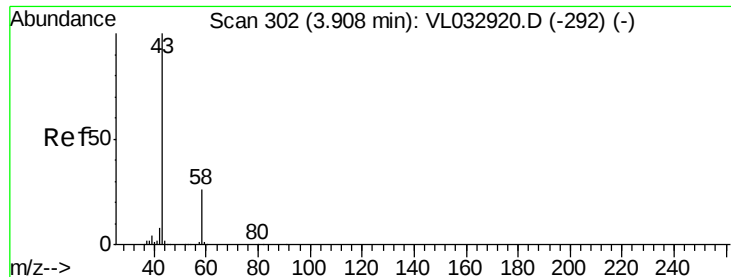
Tgt Ion: 101 Resp: 40322
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.7 79.1



#13
 Ethanol
 Concen: 297.813 ppbv
 RT: 3.67 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Tgt Ion: 45 Resp: 3909146
 Ion Ratio Lower Upper
 45 100
 46 37.3 13.8 55.4





#15

Acetone

Concen: 94.361 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

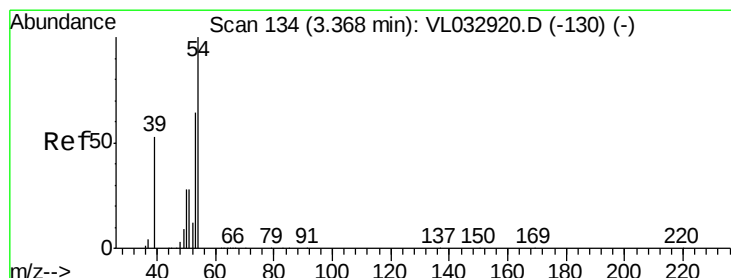
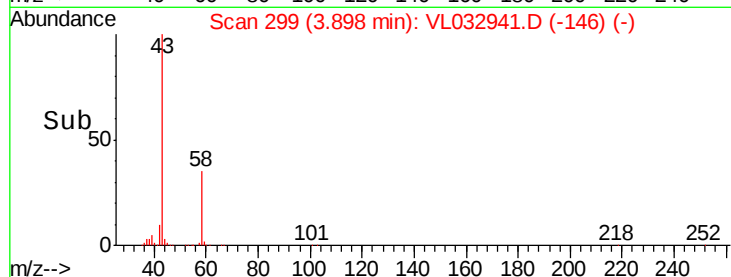
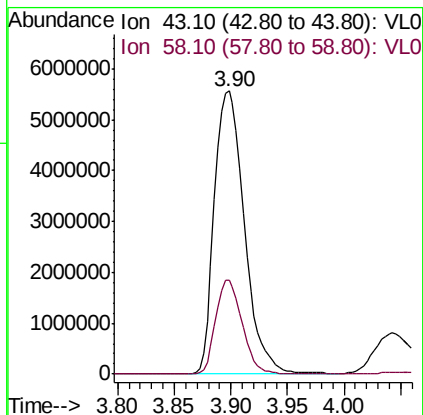
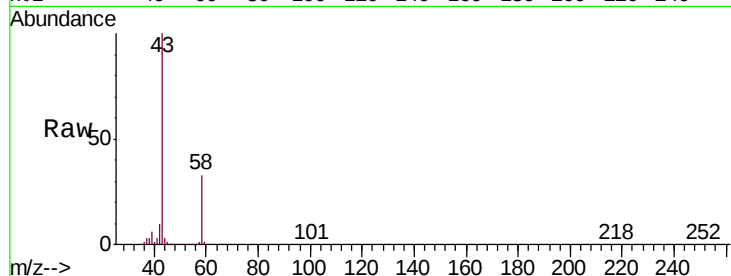
IA4

Tgt Ion: 43 Resp:10310974

Ion Ratio Lower Upper

43 100

58 29.4 20.6 30.8



#16

1,3-Butadiene

Concen: 0.392 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.02 min

Lab File: VL032941.D

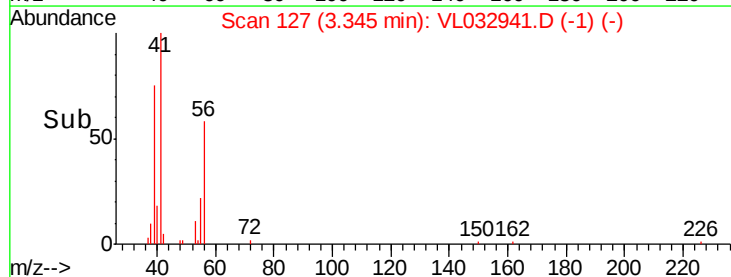
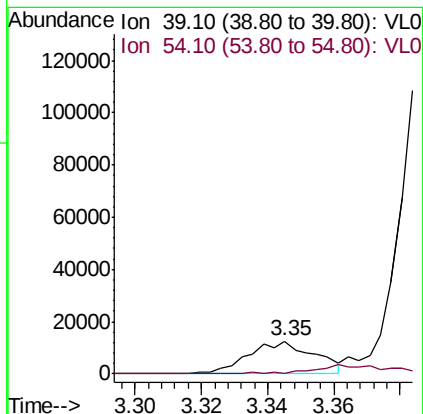
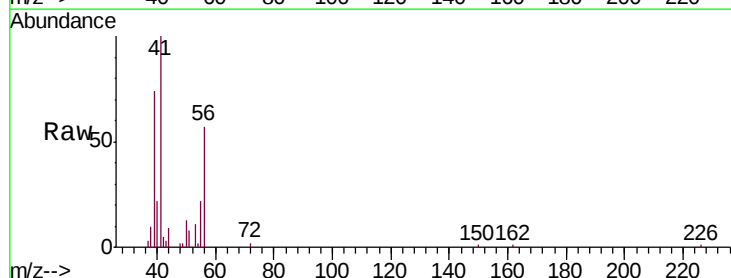
Acq: 7 Dec 2018 19:13

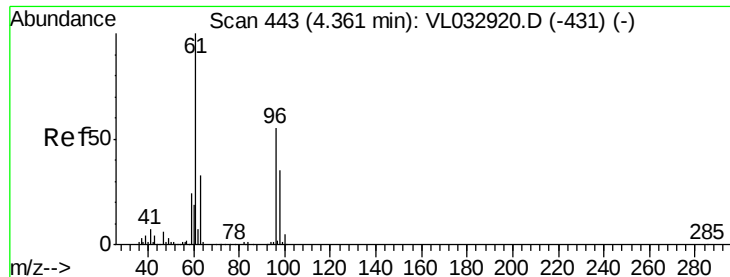
Tgt Ion: 39 Resp: 16980

Ion Ratio Lower Upper

39 100

54 32.0 72.7 109.1#



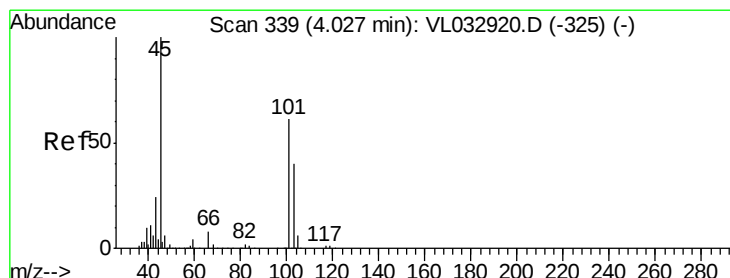
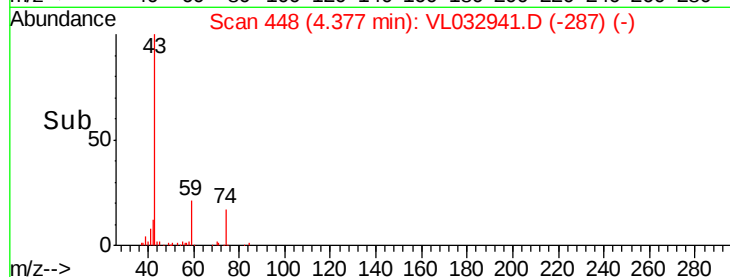
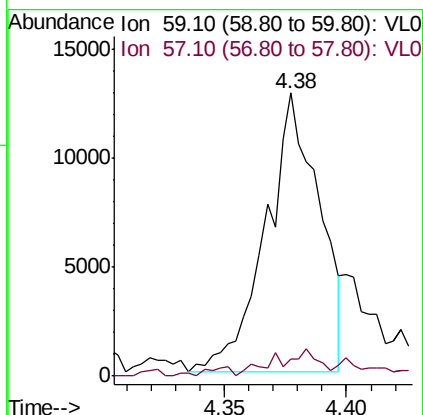
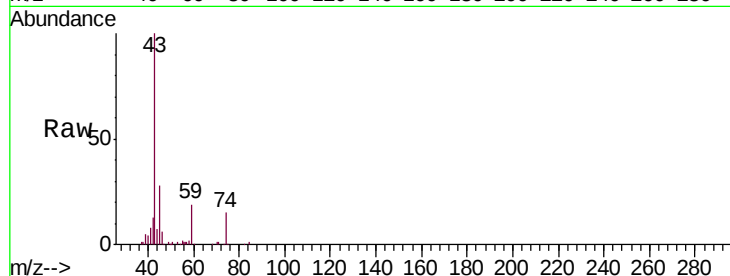


#17

tert-Butyl alcohol
Concen: 0.699 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampled :
IA4

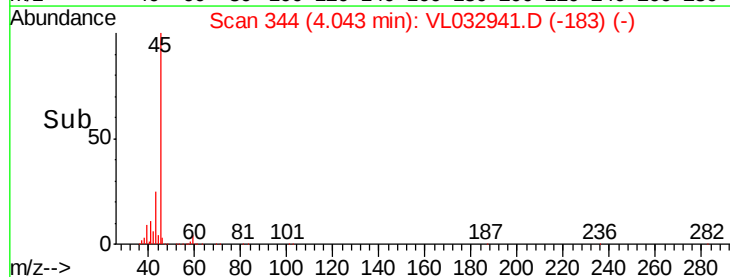
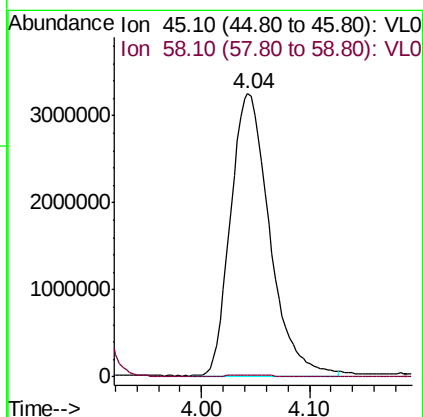
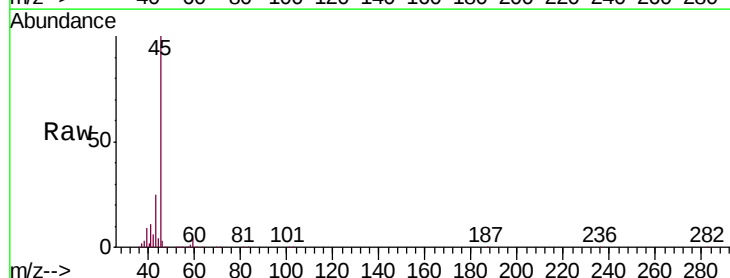
Tgt Ion: 59 Resp: 19458
Ion Ratio Lower Upper
59 100
57 0.0 0.6 1.0#

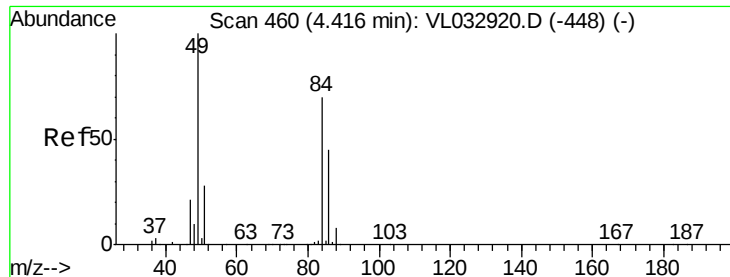


#19

Isopropyl Alcohol
Concen: 119.009 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 45 Resp: 8166717
Ion Ratio Lower Upper
45 100
58 37.1 1.4 2.2#

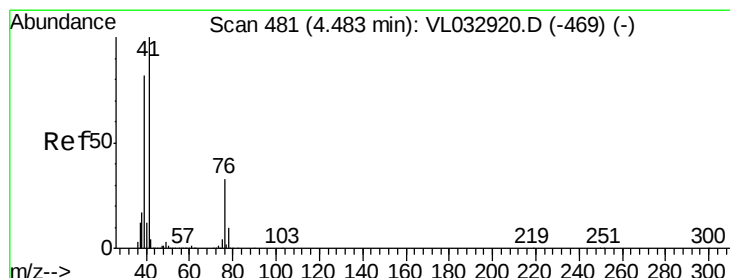
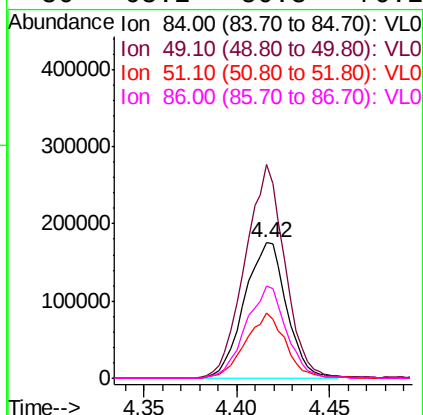
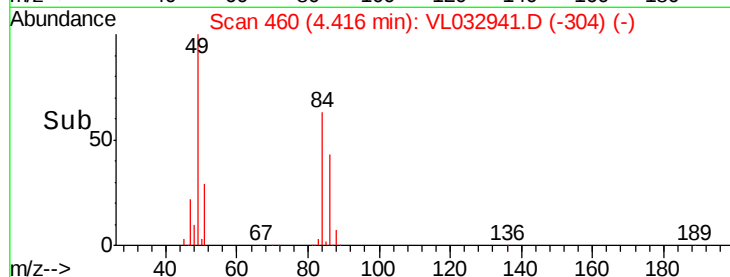
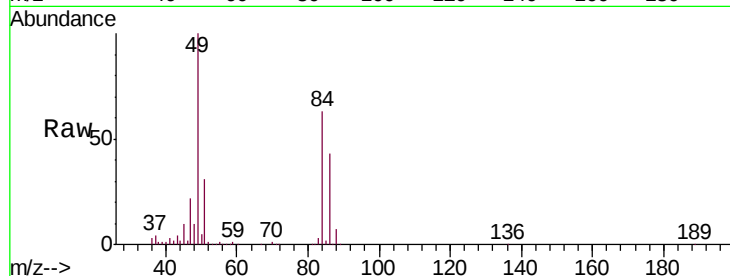




#20
Methylene Chloride
Concen: 5.215 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

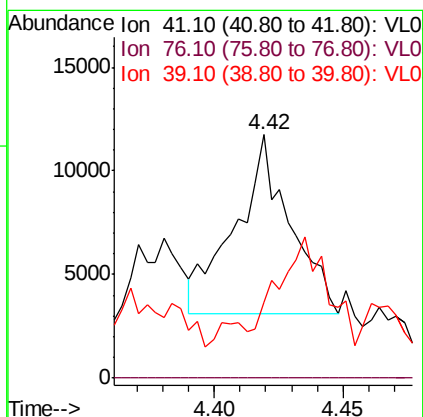
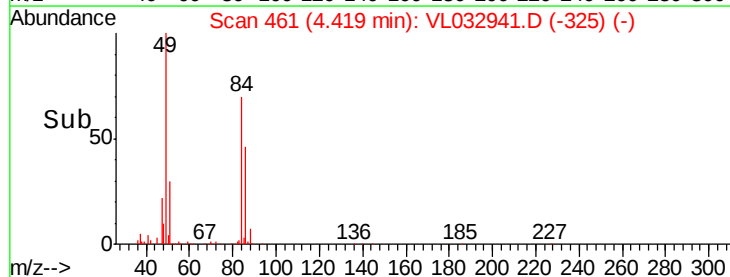
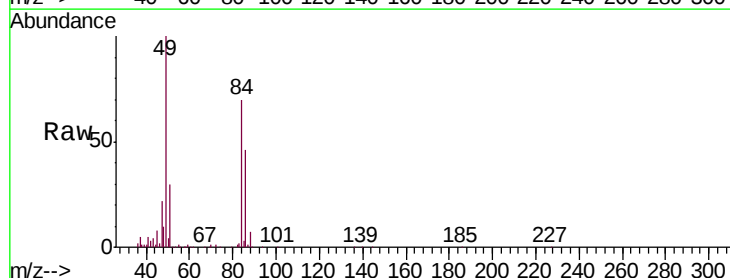
Instrument :
MSVOA_L
ClientSampleId :
IA4

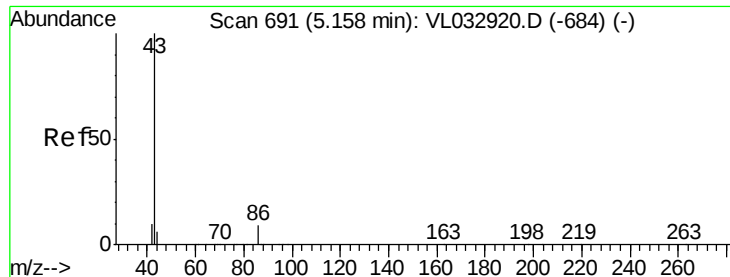
Tgt Ion: 84 Resp: 278491
Ion Ratio Lower Upper
84 100
49 157.7 113.8 170.8
51 48.3 31.8 47.8#
86 68.2 50.8 76.2



#21
Allyl Chloride
Concen: 0.144 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.06 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 41 Resp: 12849
Ion Ratio Lower Upper
41 100
76 0.0 25.2 37.8#
39 267.4 65.2 97.8#





#23

Vinyl Acetate

Concen: 0.257 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleID :

IA4

Tgt Ion: 43 Resp: 47546

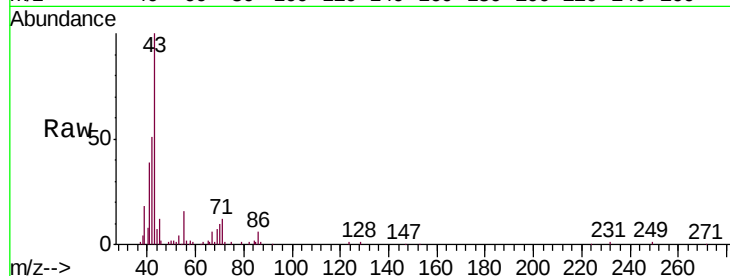
Ion Ratio Lower Upper

43 100

86 1.8 6.6 9.8#

42 91.3 8.3 12.5#

44 3.9 4.2 6.4#

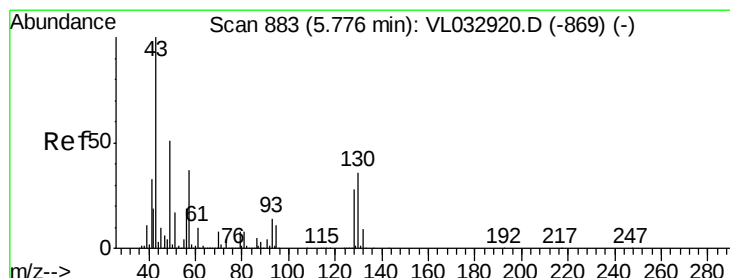
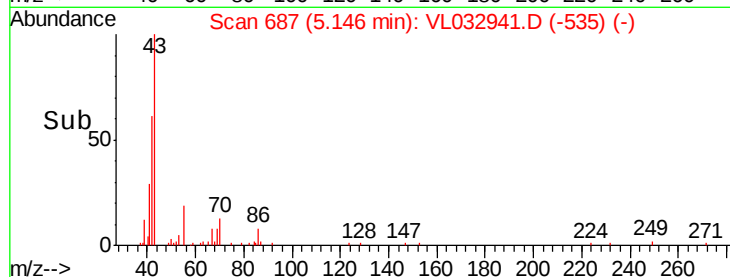
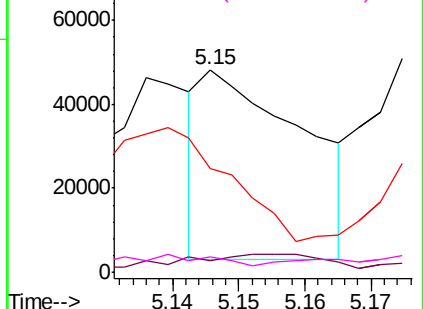


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.138 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Tgt Ion: 43 Resp: 2100614

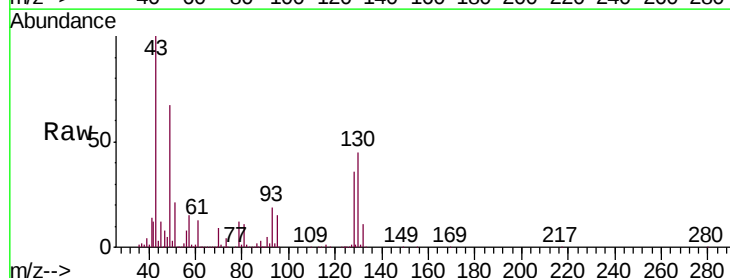
Ion Ratio Lower Upper

43 100

45 11.9 7.8 11.6#

61 11.2 7.4 11.2#

70 8.5 5.7 8.5

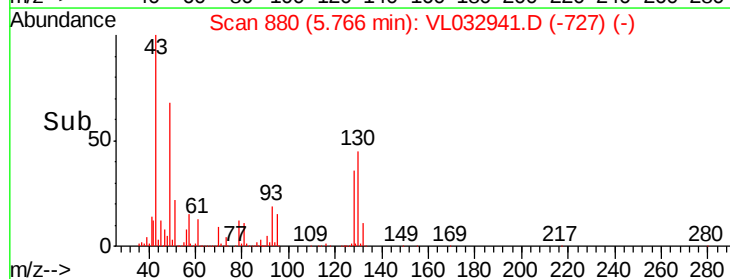
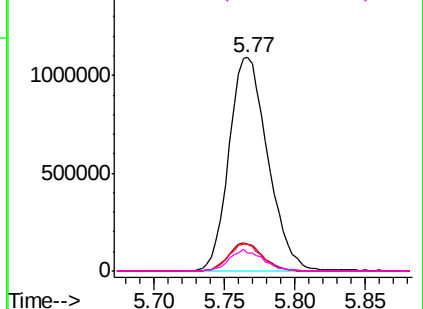


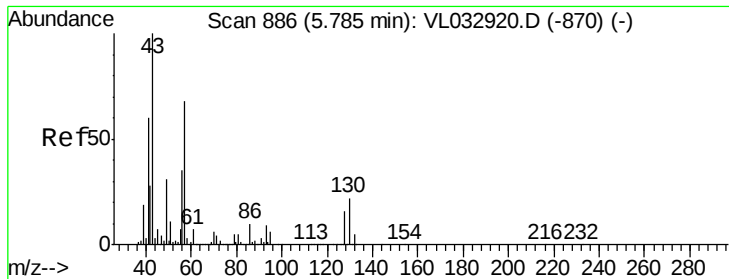
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.600 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion: 57 Resp: 548236

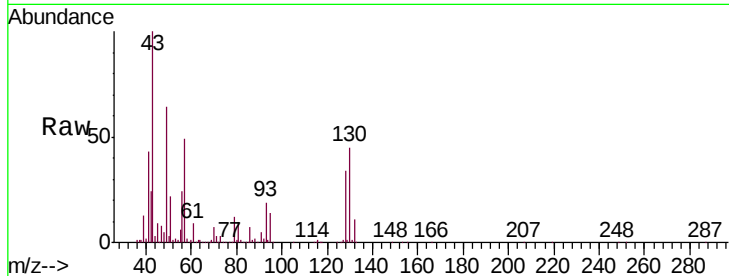
Ion Ratio Lower Upper

57 100

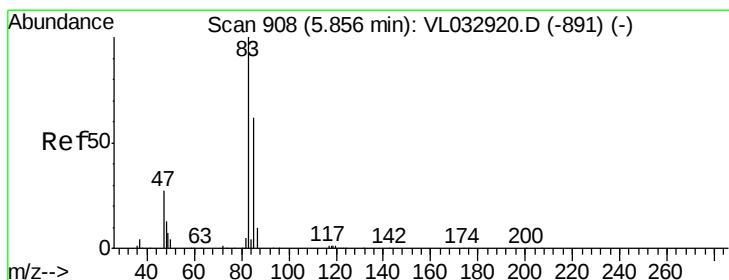
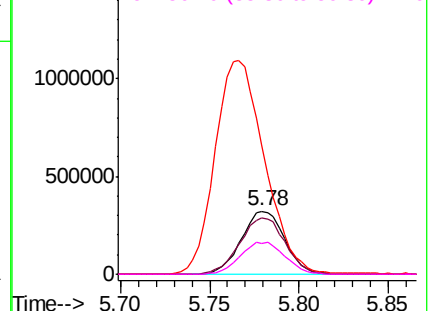
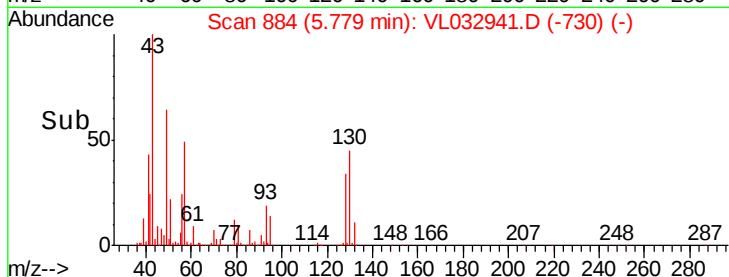
41 93.7 72.2 108.2

43 385.4 171.9 257.9#

56 53.0 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



#29

Chloroform

Concen: 0.343 ppbv

RT: 5.85 min Scan# 907

Delta R.T. -0.00 min

Lab File: VL032941.D

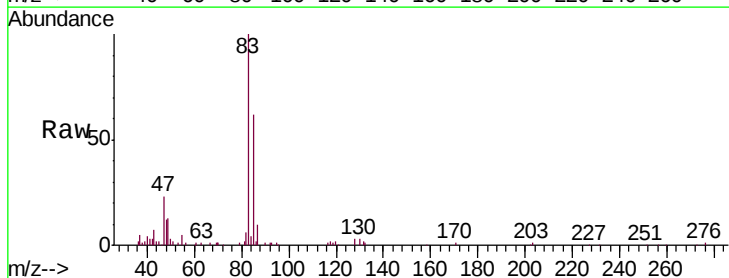
Acq: 7 Dec 2018 19:13

Tgt Ion: 83 Resp: 72942

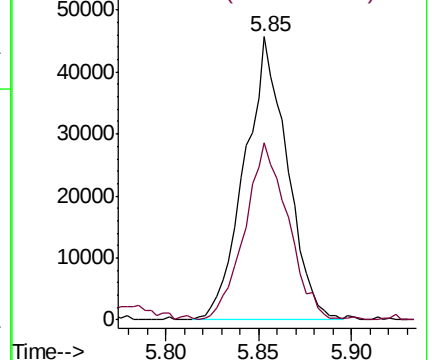
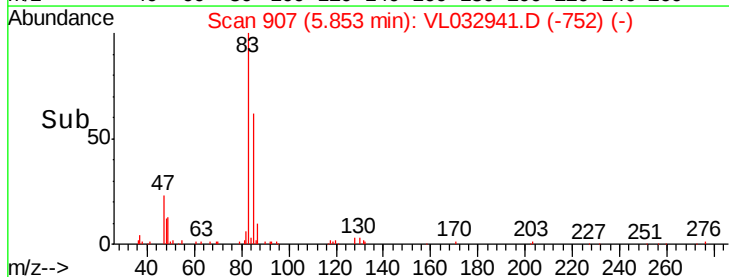
Ion Ratio Lower Upper

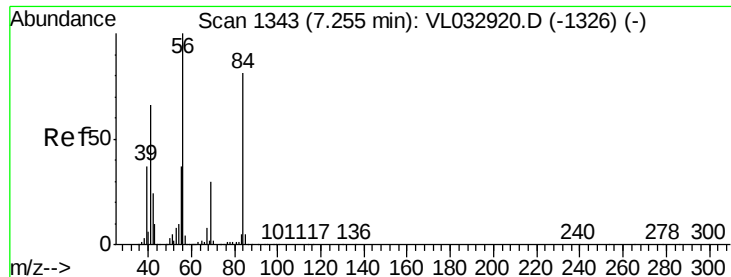
83 100

85 61.8 49.8 74.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

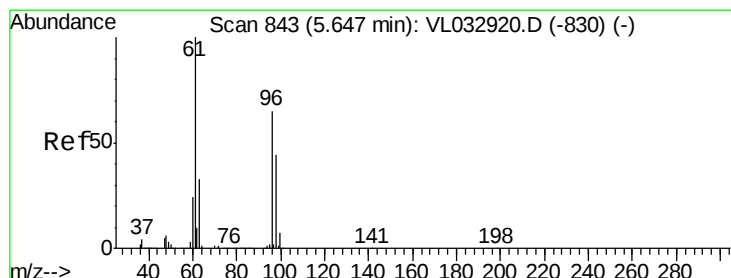
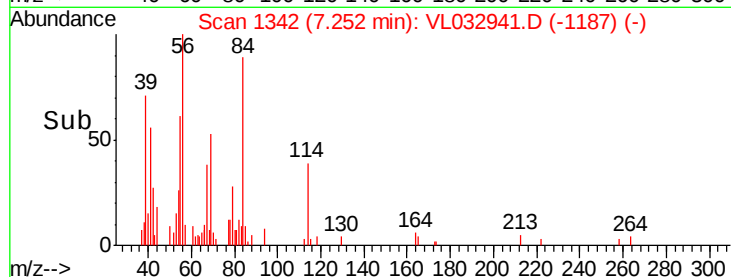
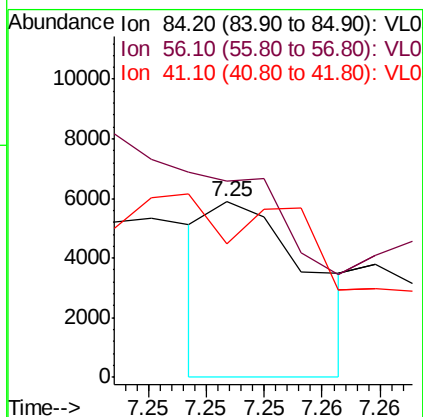
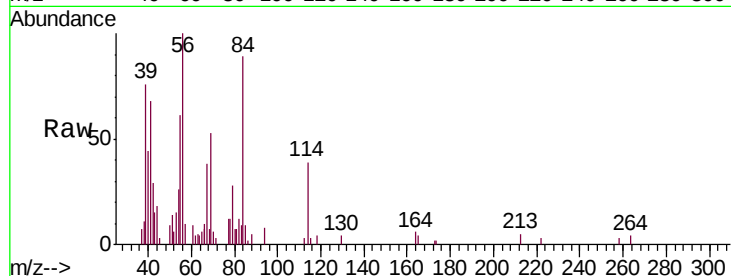




#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

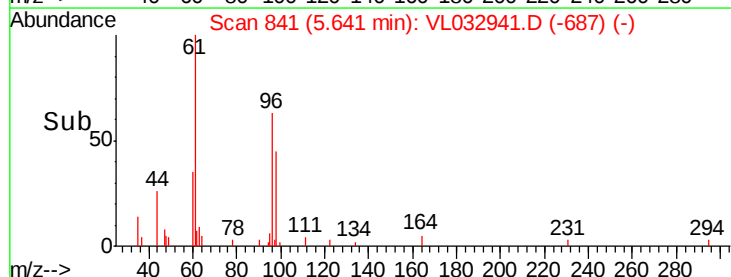
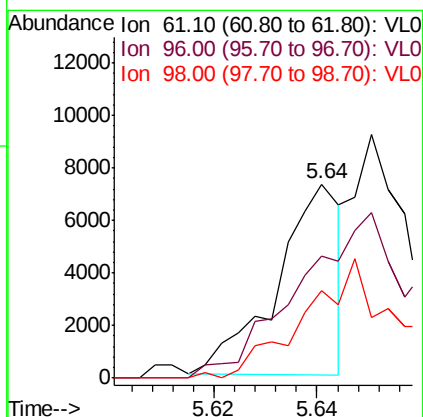
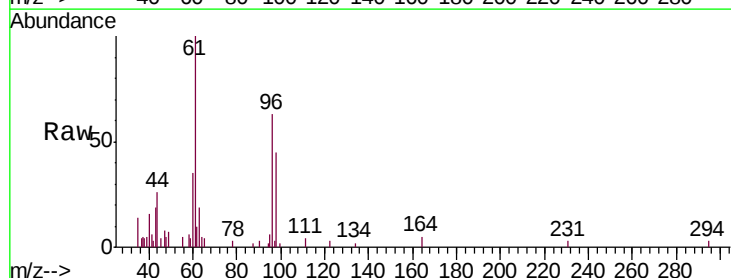
Instrument :
MSVOA_L
ClientSampled :
IA4

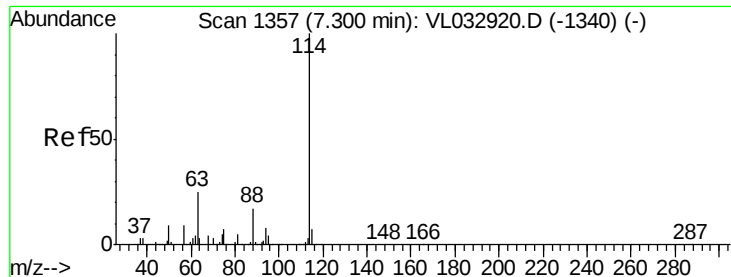
Tgt Ion: 84 Resp: 3530
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 413.6 64.1 96.1#



#31
cis-1,2-Dichloroethene
Concen: 0.057 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 61 Resp: 6271
Ion Ratio Lower Upper
61 100
96 64.1 51.9 77.9
98 45.9 35.0 52.4

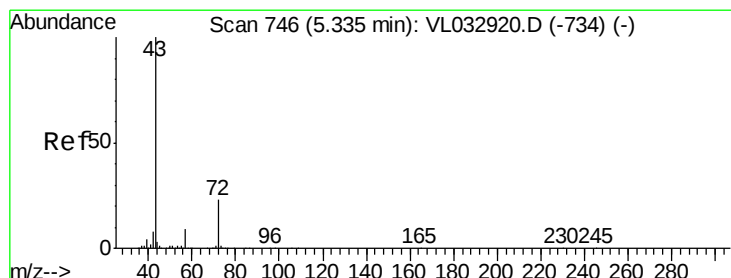
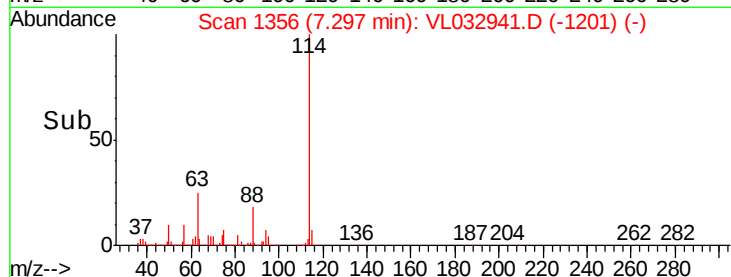
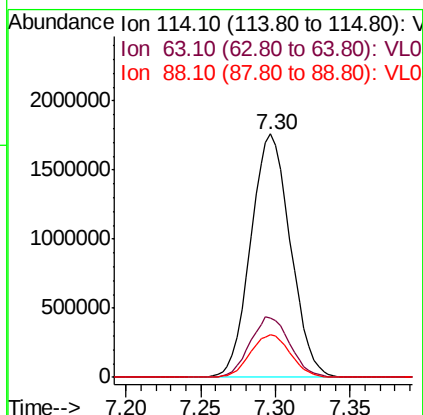
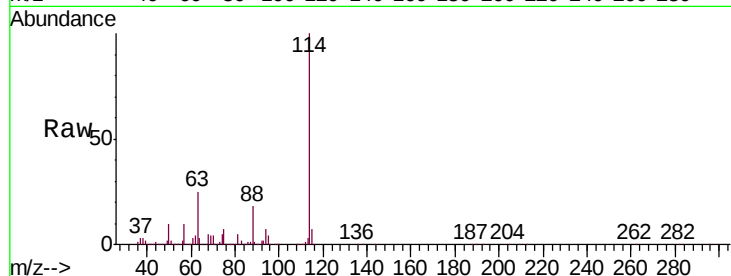




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

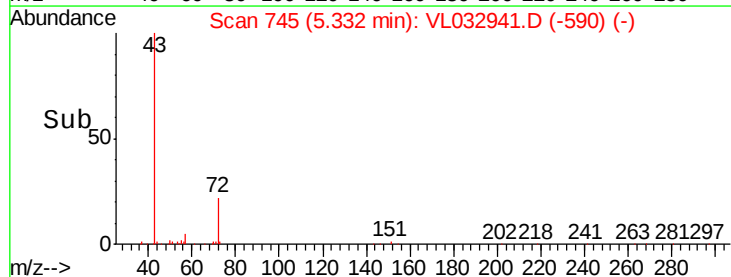
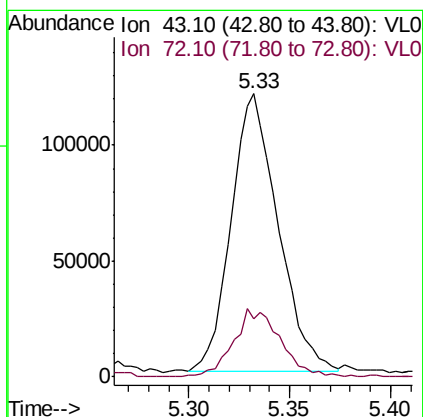
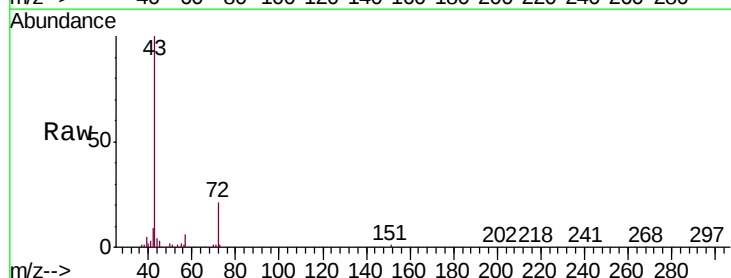
Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

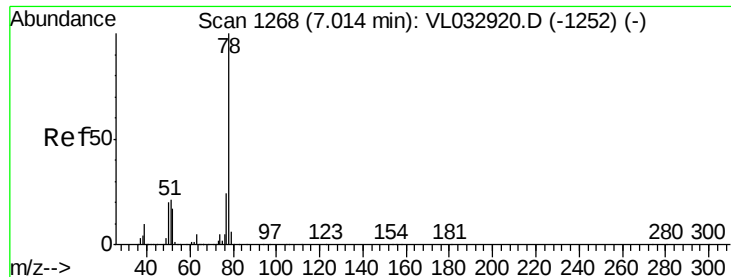
Tgt Ion:114 Resp: 3246413
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.1 30.1
 88 17.8 14.2 21.4



#34
 2-Butanone
 Concen: 1.386 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Tgt Ion: 43 Resp: 196001
 Ion Ratio Lower Upper
 43 100
 72 24.7 18.8 28.2





#36

Benzene

Concen: 0.488 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

IA4

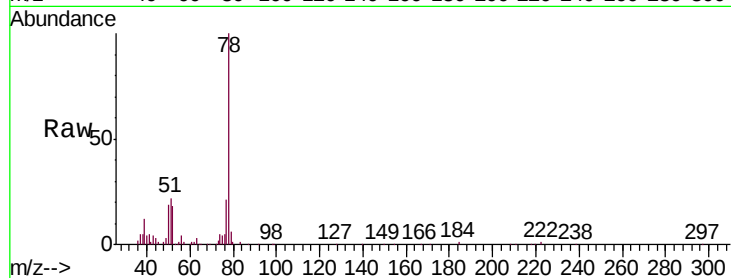
Tgt Ion: 78 Resp: 116546

Ion Ratio Lower Upper

78 100

77 21.0 18.9 28.3

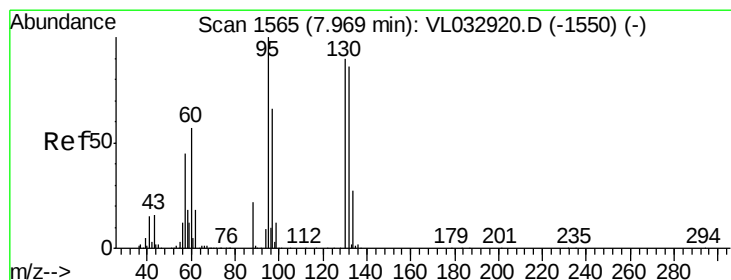
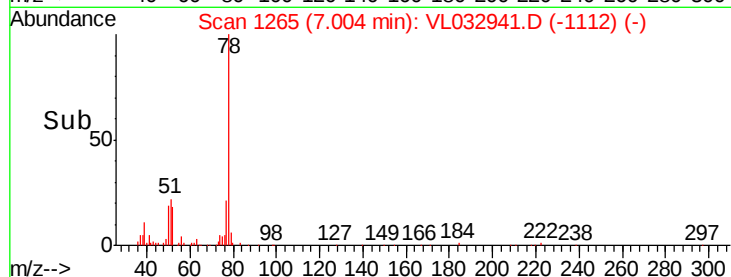
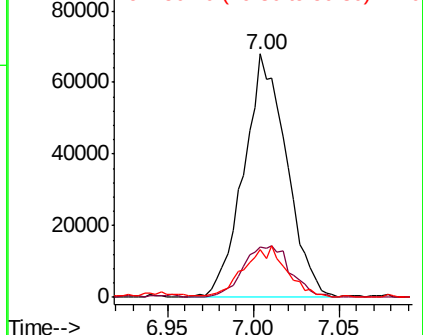
50 18.9 16.1 24.1



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: 0.168 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Tgt Ion: 130 Resp: 16718

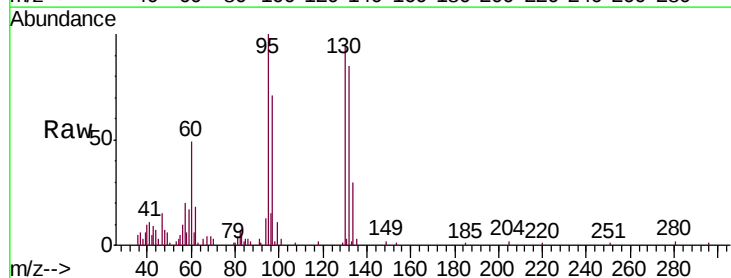
Ion Ratio Lower Upper

130 100

95 99.5 88.6 132.8

132 90.5 76.1 114.1

97 64.2 58.0 87.0

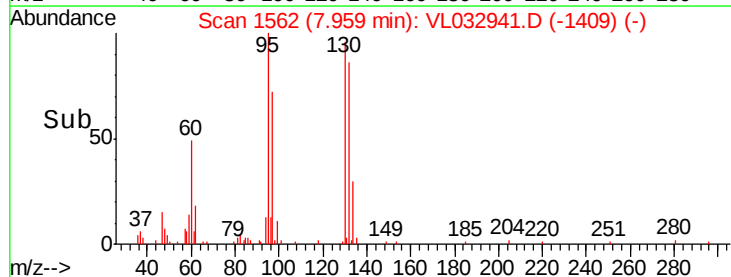
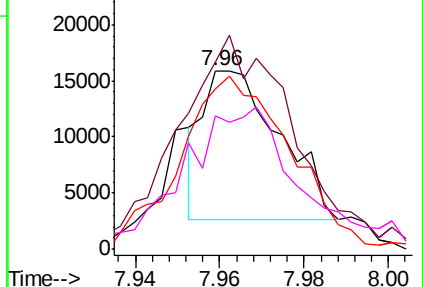


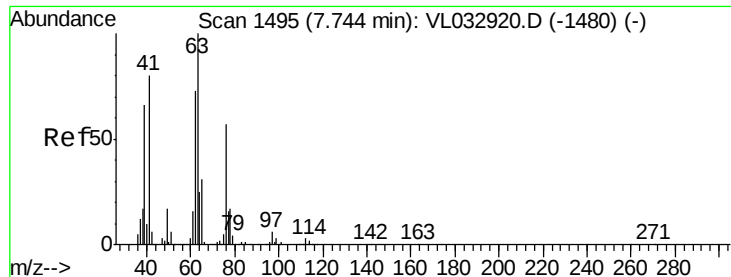
Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.973 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

IA4

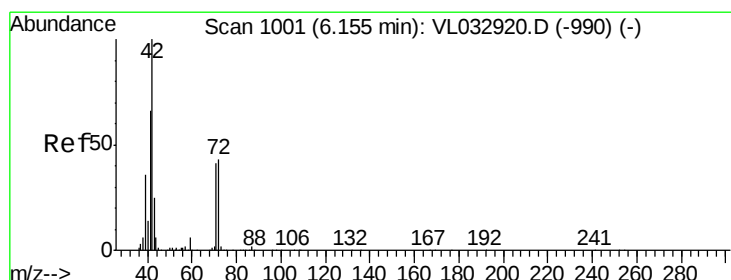
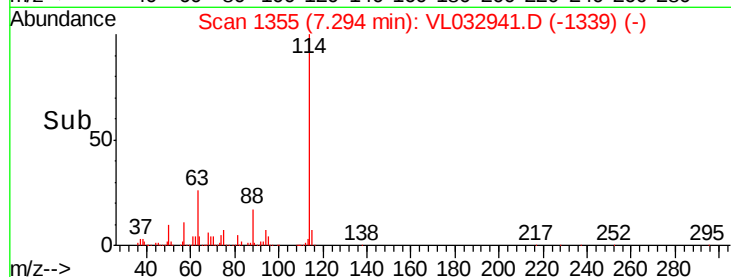
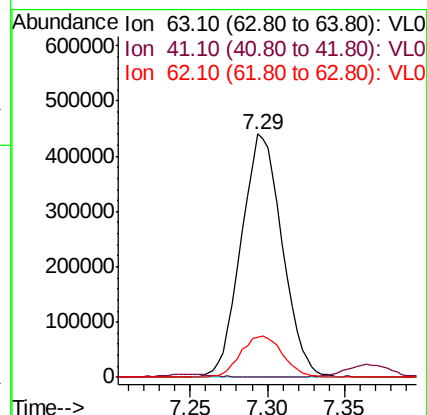
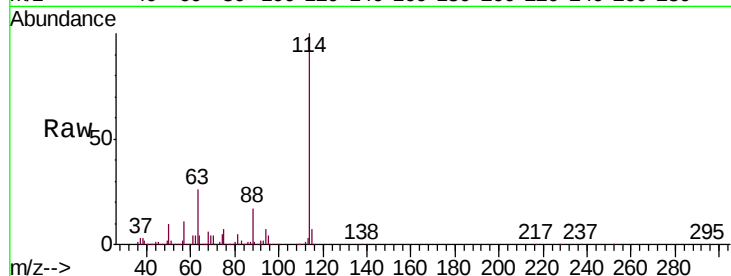
Tgt Ion: 63 Resp: 812566

Ion Ratio Lower Upper

63 100

41 0.0 63.9 95.9#

62 16.5 58.8 88.2#



#41

Tetrahydrofuran

Concen: 0.723 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

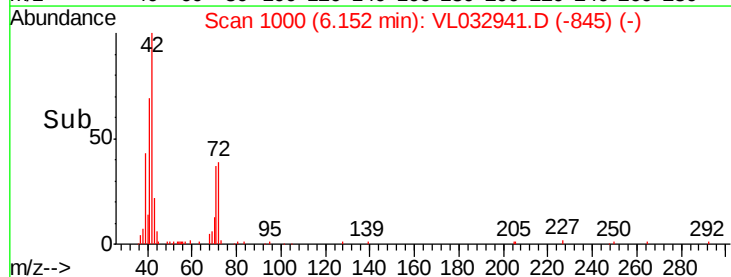
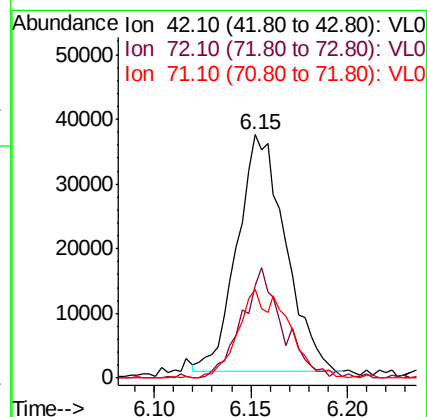
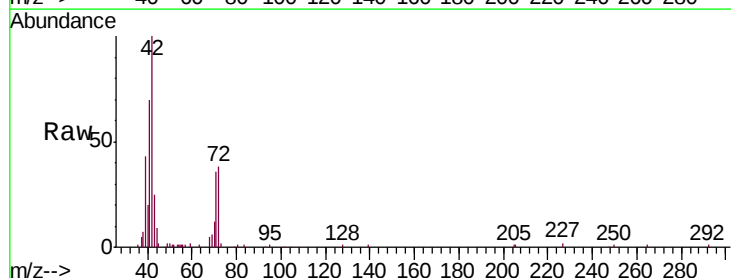
Tgt Ion: 42 Resp: 63560

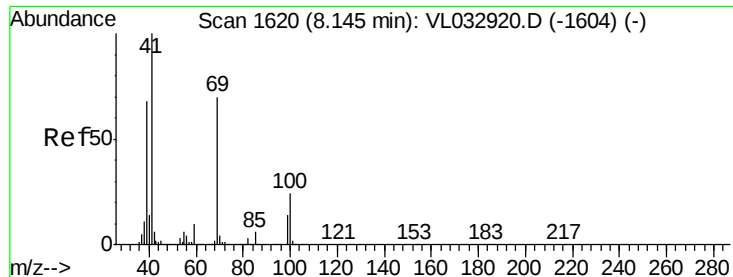
Ion Ratio Lower Upper

42 100

72 40.8 32.9 49.3

71 38.8 32.0 48.0

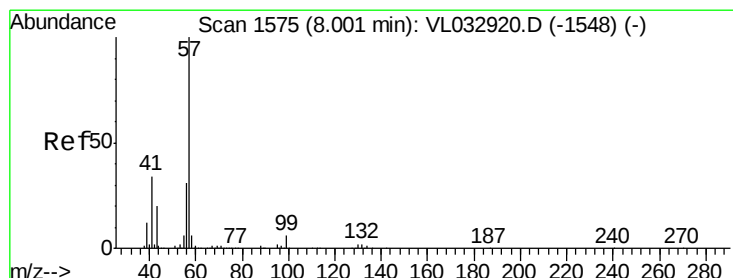
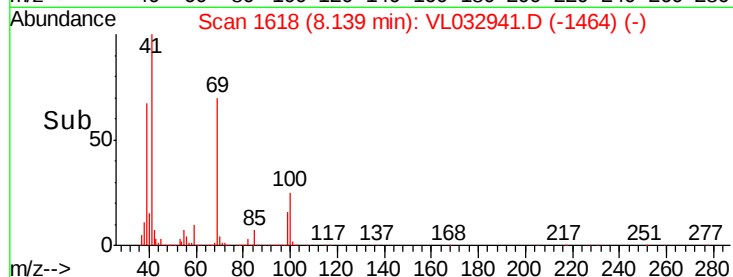
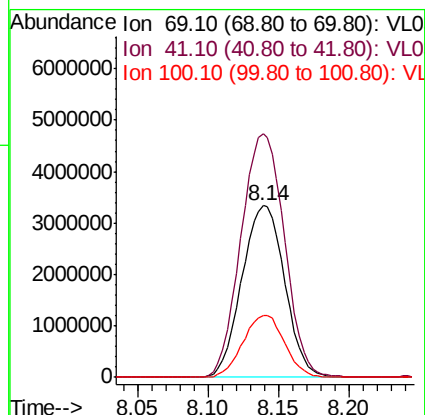
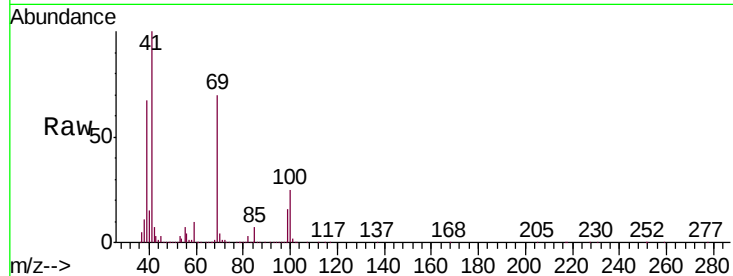




#43
Methyl Methacrylate
Concen: 80.042 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

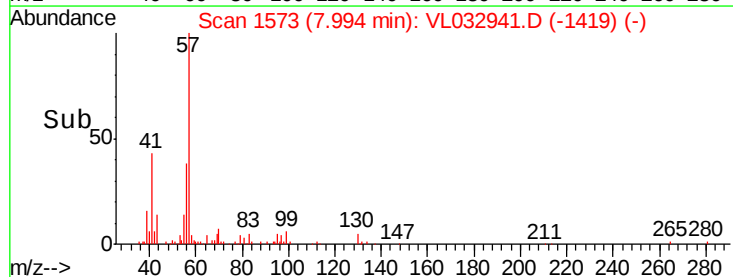
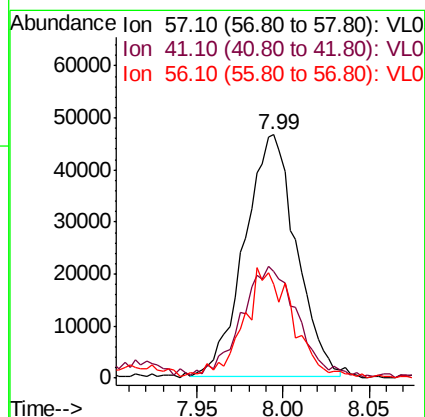
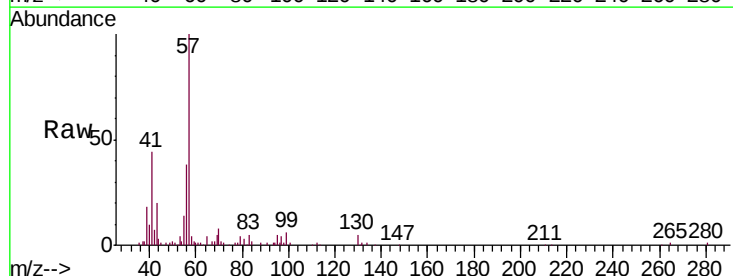
Instrument :
MSVOA_L
ClientSampleId :
IA4

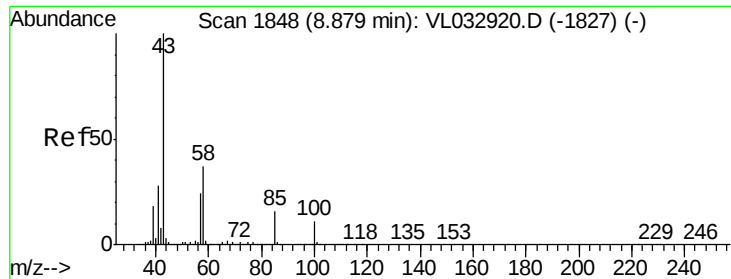
Tgt Ion: 69 Resp: 7082031
Ion Ratio Lower Upper
69 100
41 144.5 116.6 175.0
100 35.2 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 0.240 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 57 Resp: 97102
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.4#
56 44.7 24.6 37.0#

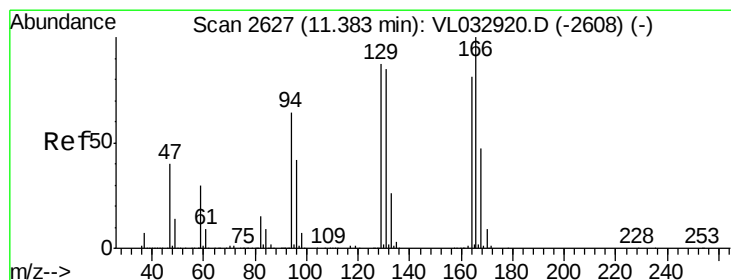
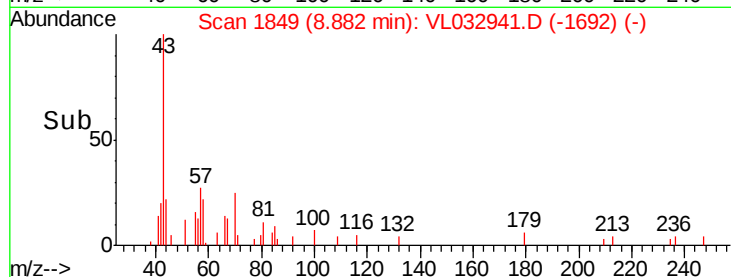
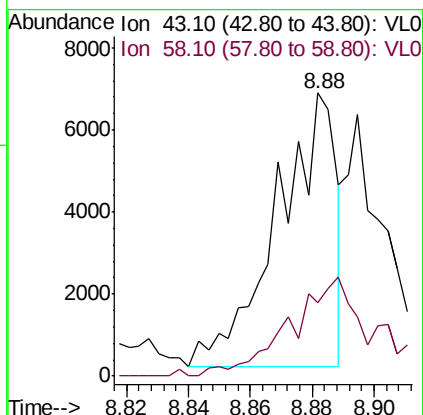
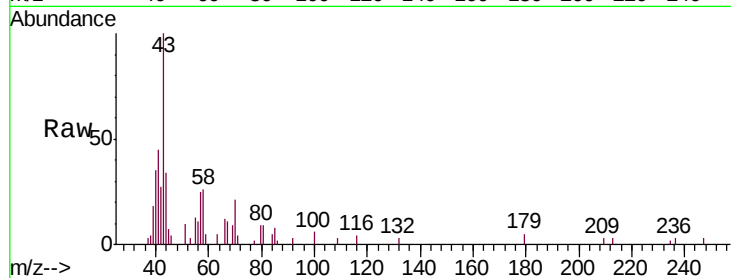




#50
4-Methyl-2-Pentanone
Concen: 0.039 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

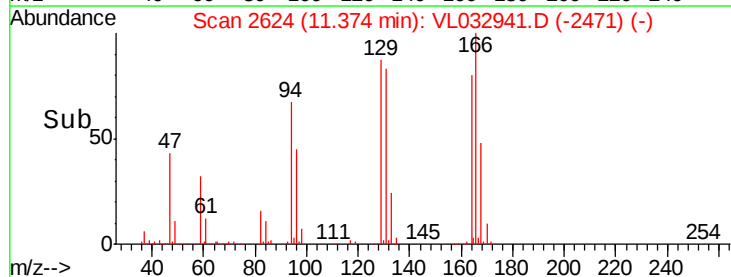
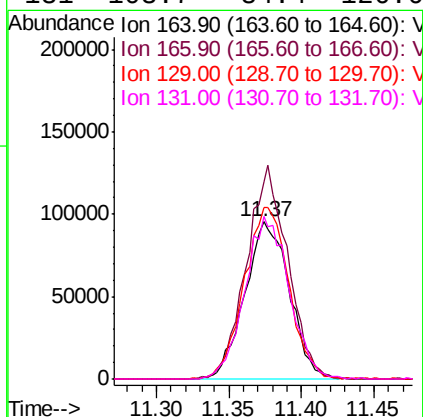
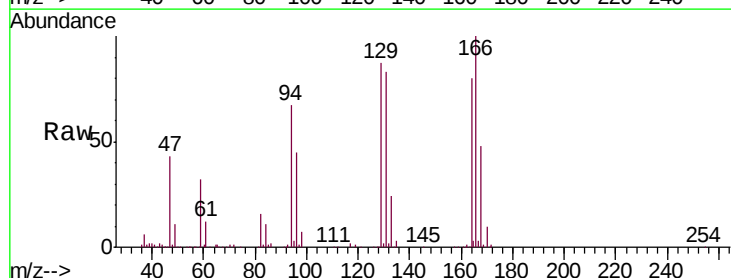
Instrument :
MSVOA_L
ClientSampleId :
IA4

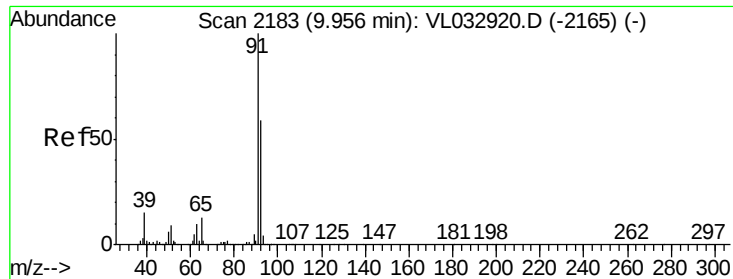
Tgt Ion: 43 Resp: 8769
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.4#



#52
Tetrachloroethene
Concen: 2.341 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 164 Resp: 203326
Ion Ratio Lower Upper
164 100
166 124.8 98.8 148.2
129 108.8 85.5 128.3
131 103.7 84.4 126.6





#53

Toluene

Concen: 6.541 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

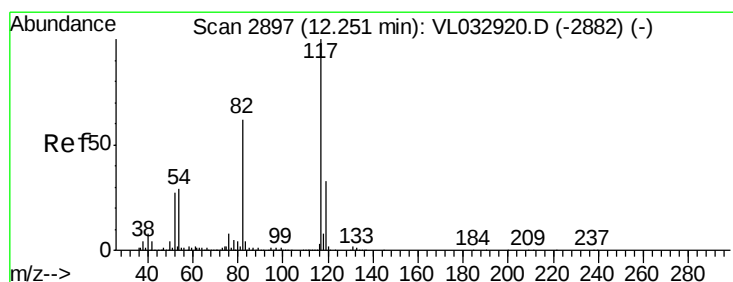
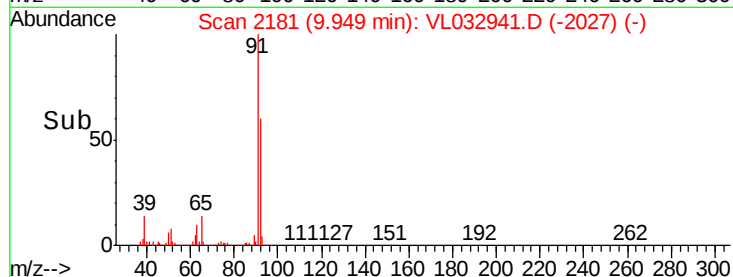
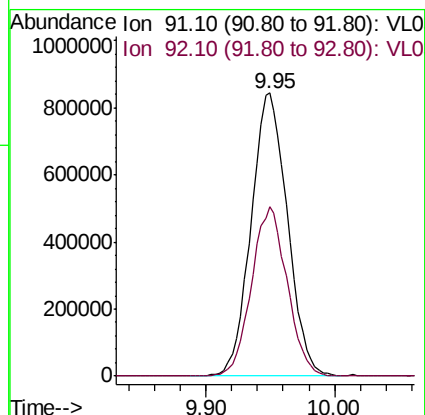
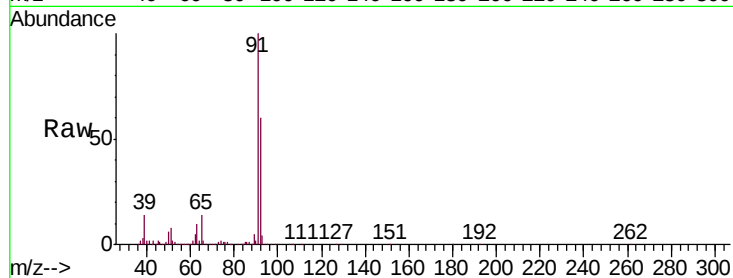
IA4

Tgt Ion: 91 Resp: 1656514

Ion Ratio Lower Upper

91 100

92 58.9 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: VL032941.D

Acq: 7 Dec 2018 19:13

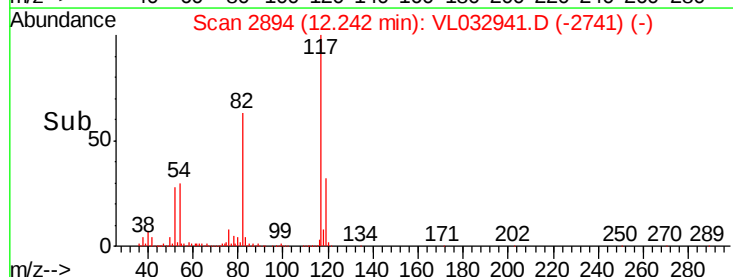
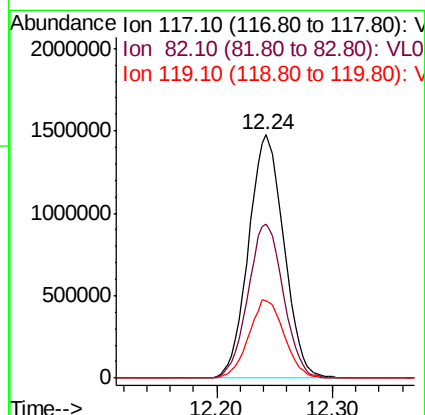
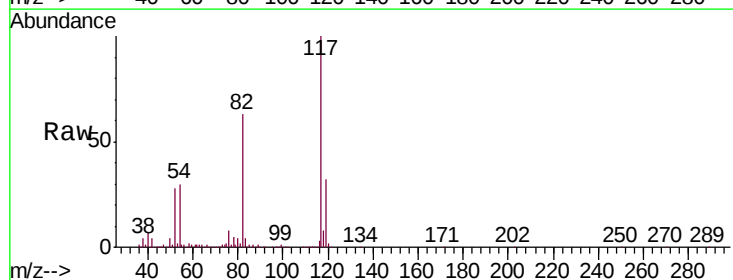
Tgt Ion: 117 Resp: 3126472

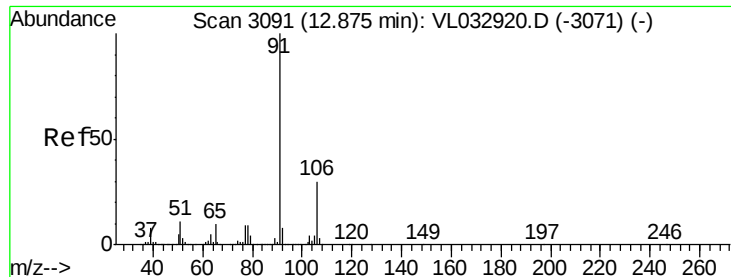
Ion Ratio Lower Upper

117 100

82 63.8 47.8 71.8

119 32.4 43.1 64.7#





#58

Ethyl Benzene

Concen: 0.162 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

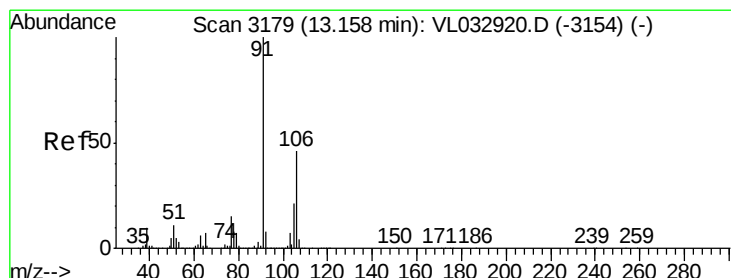
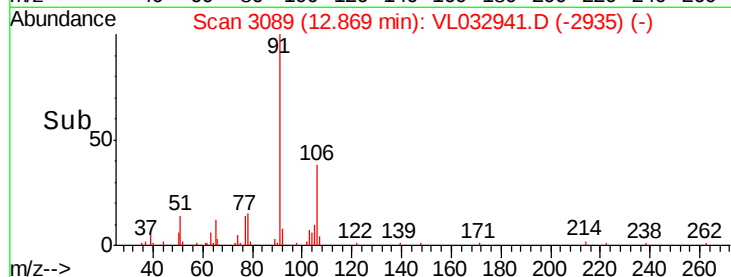
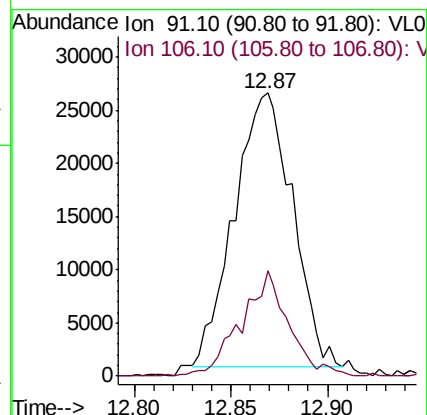
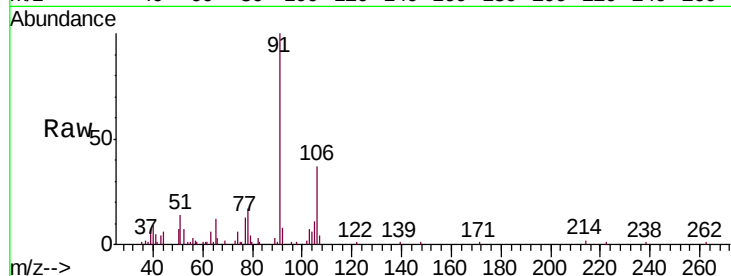
IA4

Tgt Ion: 91 Resp: 54126

Ion Ratio Lower Upper

91 100

106 36.6 23.9 35.9#



#59

m/p-Xylene

Concen: 0.164 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.01 min

Lab File: VL032941.D

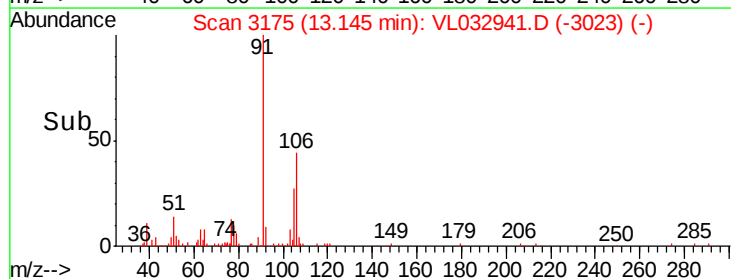
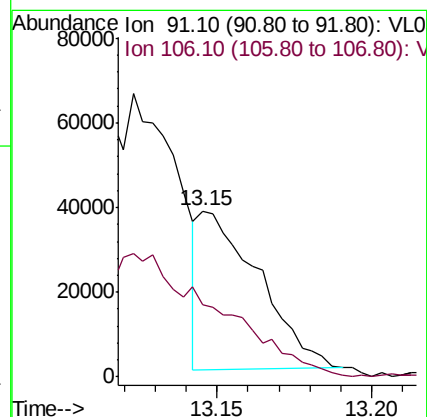
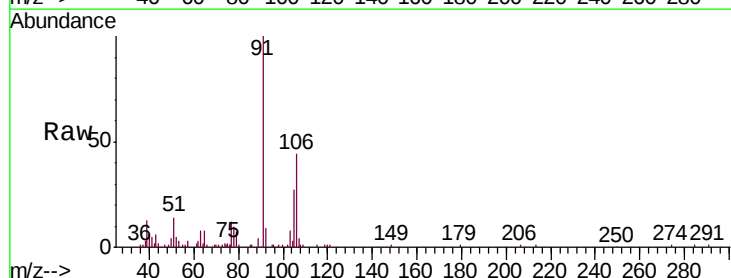
Acq: 7 Dec 2018 19:13

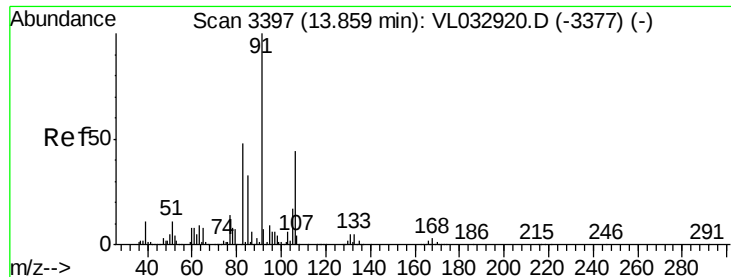
Tgt Ion: 91 Resp: 49663

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

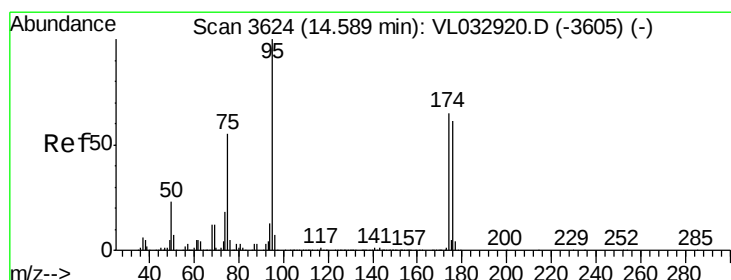
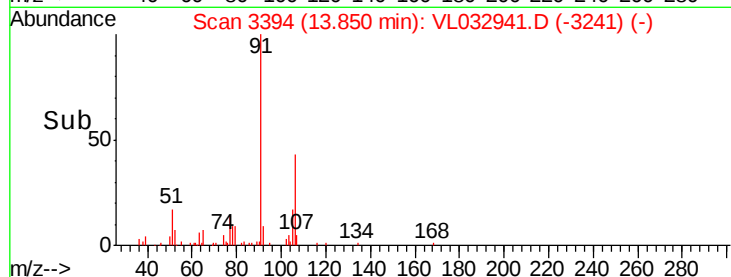
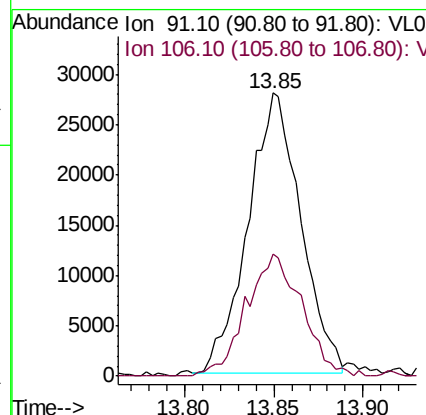
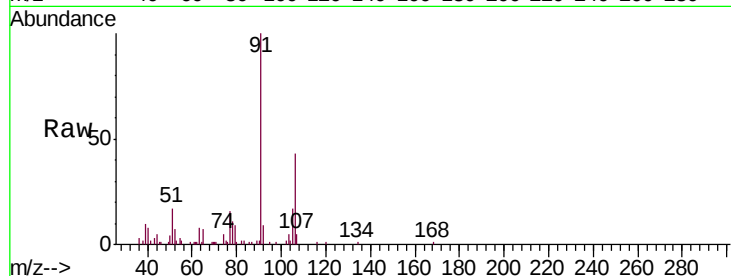




#60
o-Xylene
Concen: 0.189 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

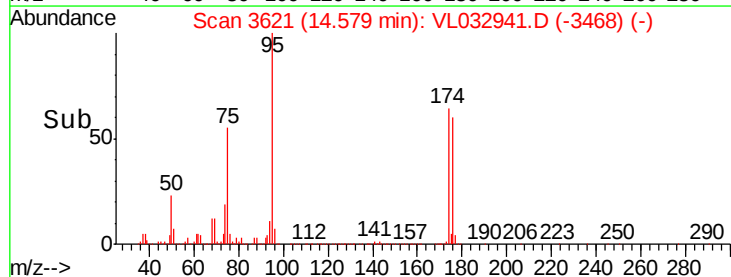
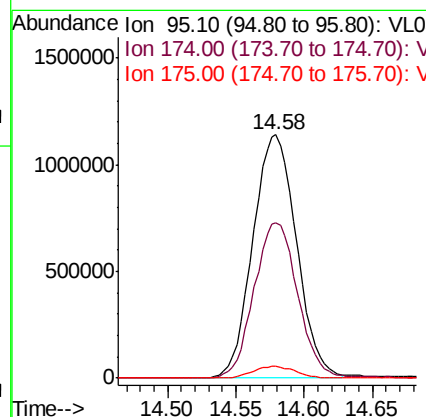
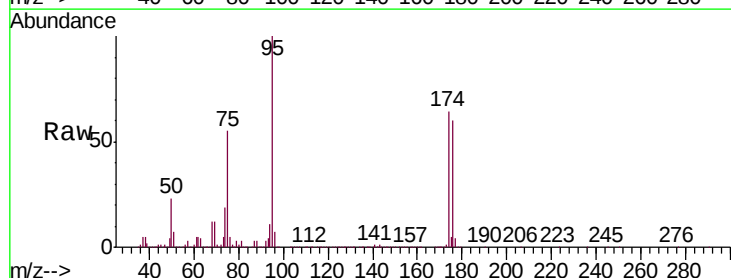
Instrument :
MSVOA_L
ClientSampled :
IA4

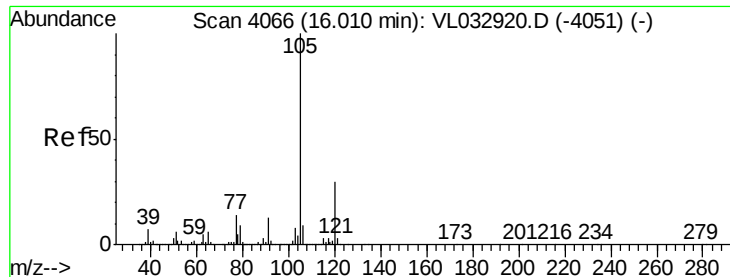
Tgt Ion: 91 Resp: 57745
Ion Ratio Lower Upper
91 100
106 46.1 21.9 65.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.970 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 95 Resp: 2533779
Ion Ratio Lower Upper
95 100
174 64.1 51.4 77.0
175 4.8 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.094 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion:105 Resp: 32028

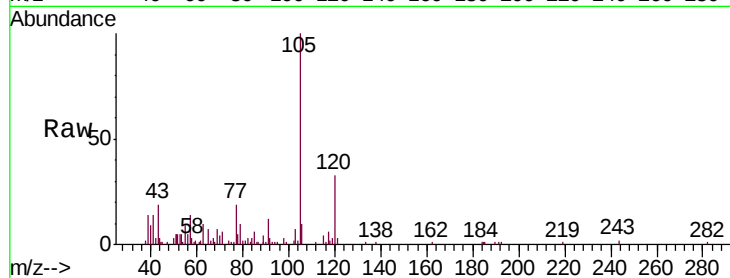
Ion Ratio Lower Upper

105 100

120 57.3 23.0 34.4#

91 0.0 10.4 15.6#

77 0.0 11.0 16.4#

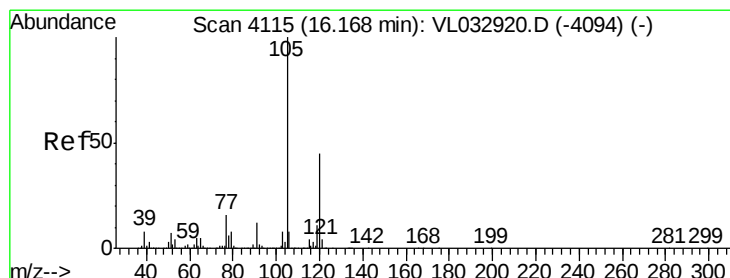
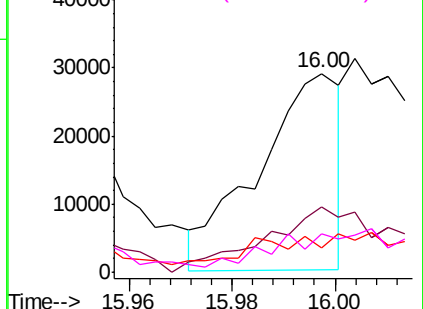
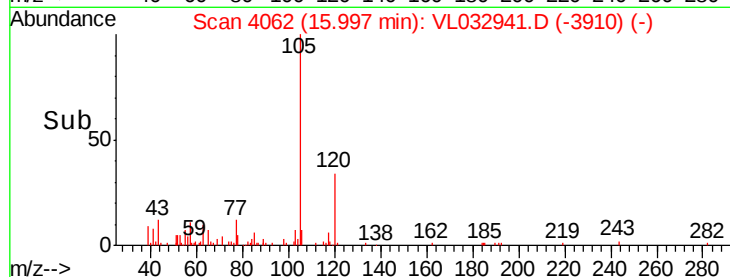


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.098 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL032941.D

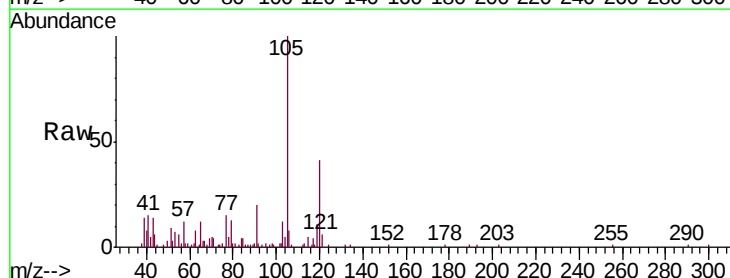
Acq: 7 Dec 2018 19:13

Tgt Ion:105 Resp: 32713

Ion Ratio Lower Upper

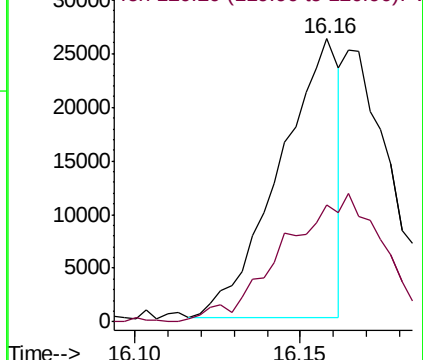
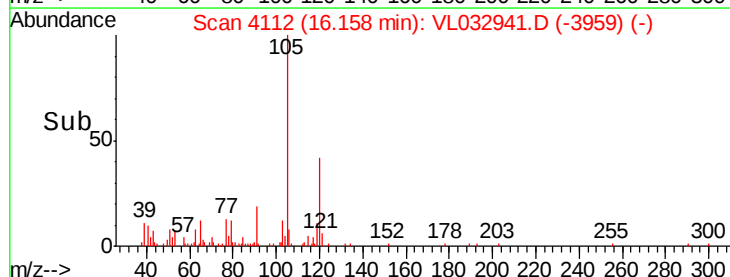
105 100

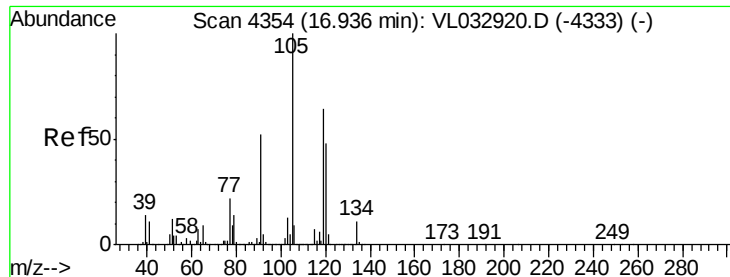
120 40.8 36.0 54.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.691 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

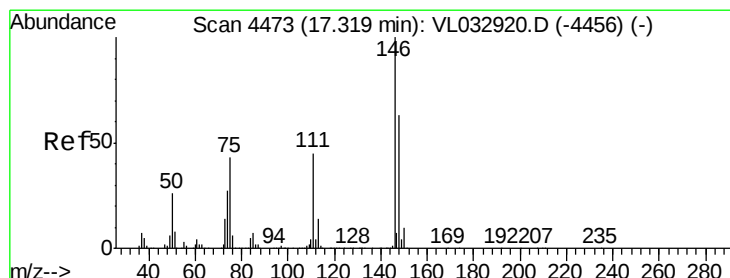
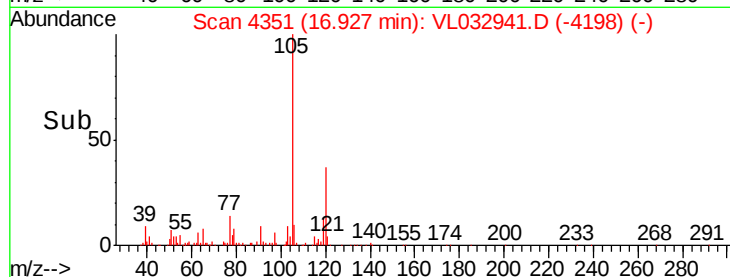
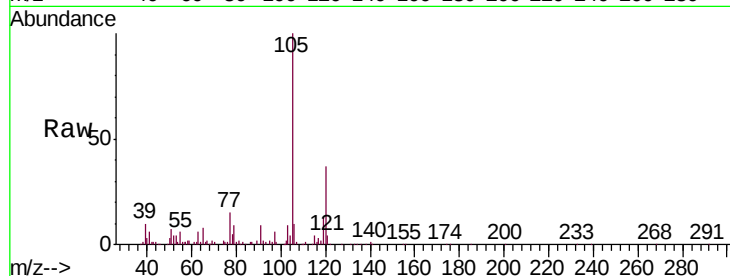
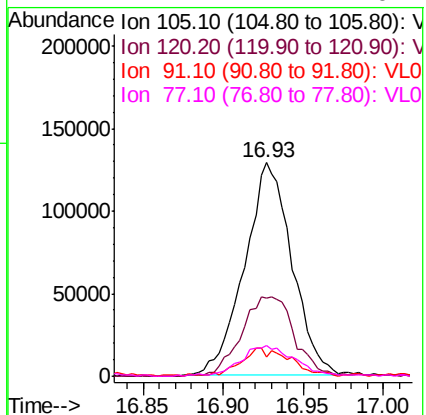
Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion:	105	Resp:	259494
Ion Ratio	Lower	Upper	
105	100		
120	40.2	38.6	58.0
91	9.0	41.7	62.5#
77	14.2	17.4	26.2#



#76

1,4-Dichlorobenzene

Concen: 0.043 ppbv

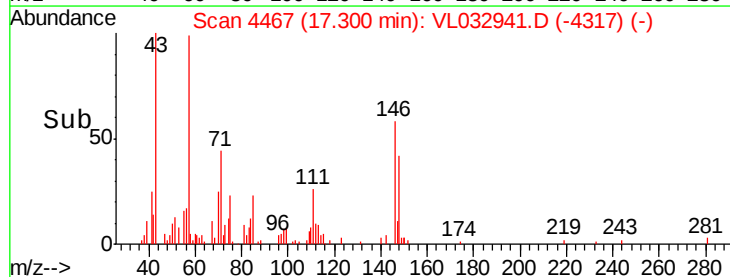
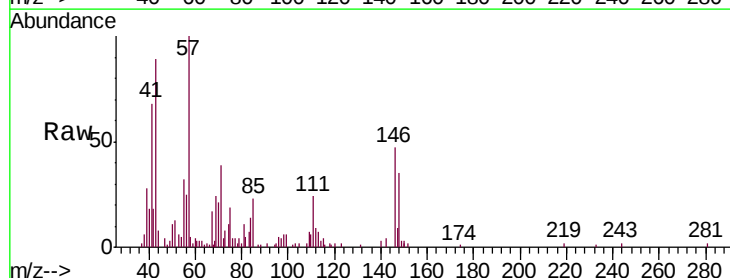
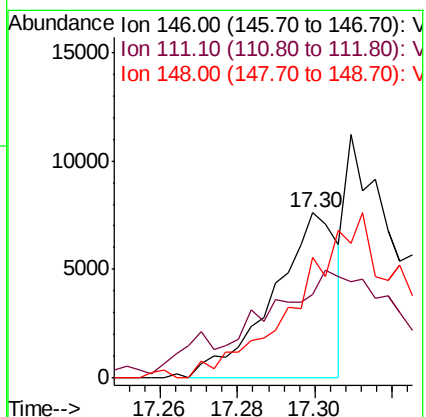
RT: 17.30 min Scan# 4467

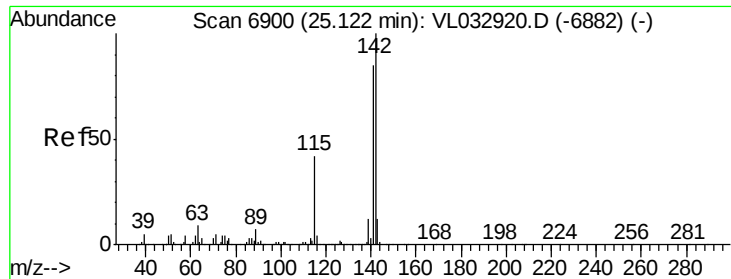
Delta R.T. -0.02 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Tgt Ion:	146	Resp:	8792
Ion Ratio	Lower	Upper	
146	100		
111	165.1	22.8	68.4#
148	0.0	32.0	96.2#

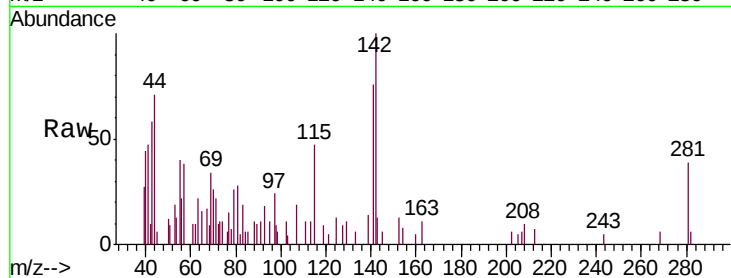




#80
 Naphthalene, 2-methyl-
 Concen: 0.116 ppbv
 RT: 25.11 min Scan# 6897
 Delta R.T. -0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Tgt Ion:142 Resp: 5994
 Ion Ratio Lower Upper
 142 100
 141 94.1 68.2 102.2
 115 73.3 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

