

Data File : VL033862.D
Acq On : 30 May 2019 8:57
Operator : SY/AP
Sample : K3007-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSG-1

Quant Time: May 31 07:04:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	723462	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1738530	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1775109	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1432738	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	22387	0.147	ppbv	97
3) Chlorodifluoromethane	3.01	51	165531	1.997	ppbv	100
4) Chloromethane	3.17	50	43482	0.917	ppbv	94
5) Vinyl Chloride	3.28	62	1646	0.034	ppbv #	79
7) Chloroethane	3.59	64	1300	0.076	ppbv #	73
9) Propene	3.03	41	945451	26.823	ppbv	87
10) Heptane	8.24	43	215000	2.154	ppbv	98
11) Trichlorofluoromethane	4.00	101	40527	0.279	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	7751	0.076	ppbv	94
13) Ethanol	3.66	45	2626987	230.587	ppbv	100
15) Acetone	3.89	43	2838279	28.276	ppbv	98
16) 1,3-Butadiene	3.34	39	473635	11.849	ppbv #	31
17) tert-Butyl alcohol	4.37	59	102323	1.261	ppbv #	92
19) Isopropyl Alcohol	4.03	45	364263	5.628	ppbv #	1
20) Methylene Chloride	4.41	84	20024	0.518	ppbv	94
21) Allyl Chloride	4.43	41	18745	0.299	ppbv #	1
23) Vinyl Acetate	5.13	43	118177	0.893	ppbv #	1
25) Ethyl Acetate	5.77	43	322087	1.827	ppbv #	80
26) Hexane	5.77	57	437845	5.776	ppbv #	39
27) Carbon Disulfide	4.62	76	271562	2.611	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	12632	0.102	ppbv #	54
29) Chloroform	5.84	83	6829	0.049	ppbv	99
30) Cyclohexane	7.24	84	53775	0.844	ppbv #	81
32) 1,1,1-Trichloroethane	6.62	97	8409	0.060	ppbv #	34
34) 2-Butanone	5.33	43	308942	2.867	ppbv	98
35) Carbon Tetrachloride	7.12	117	8649	0.062	ppbv #	79
36) Benzene	7.00	78	374238	2.366	ppbv	98
38) Trichloroethene	7.96	130	4304	0.073	ppbv #	77
39) 1,2-Dichloropropane	7.28	63	448894	7.613	ppbv #	22
41) Tetrahydrofuran	6.15	42	3243	0.054	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	101411	0.379	ppbv #	47
51) 2-Hexanone	10.25	43	7561	0.058	ppbv #	29
52) Tetrachloroethene	11.36	164	27606	0.497	ppbv #	84
53) Toluene	9.94	91	1034285	6.064	ppbv	99
58) Ethyl Benzene	12.86	91	108577	0.462	ppbv	100
59) m/p-Xylene	13.11	91	375671	1.828	ppbv	100
60) o-Xylene	13.84	91	113649	0.549	ppbv	98
65) tert-Butylbenzene	16.91	119	9030	0.035	ppbv #	1
70) n-Butylbenzene	18.71	91	22282	0.071	ppbv #	63
72) 4-Ethyltoluene	15.99	105	42166	0.178	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.15	105	9554	0.041	ppbv #	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\
Quantitation Report (Not Reviewed)

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SSG-1

Quant Time: May 31 07:04:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.91	105	175001	0.696	ppbv #	72
79) Naphthalene	22.40	128	80257	0.344	ppbv #	94
80) Naphthalene,2-methyl-	25.11	142	11664	0.131	ppbv	91

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

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Acq On : 30 May 2019 8:57

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Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSG-1

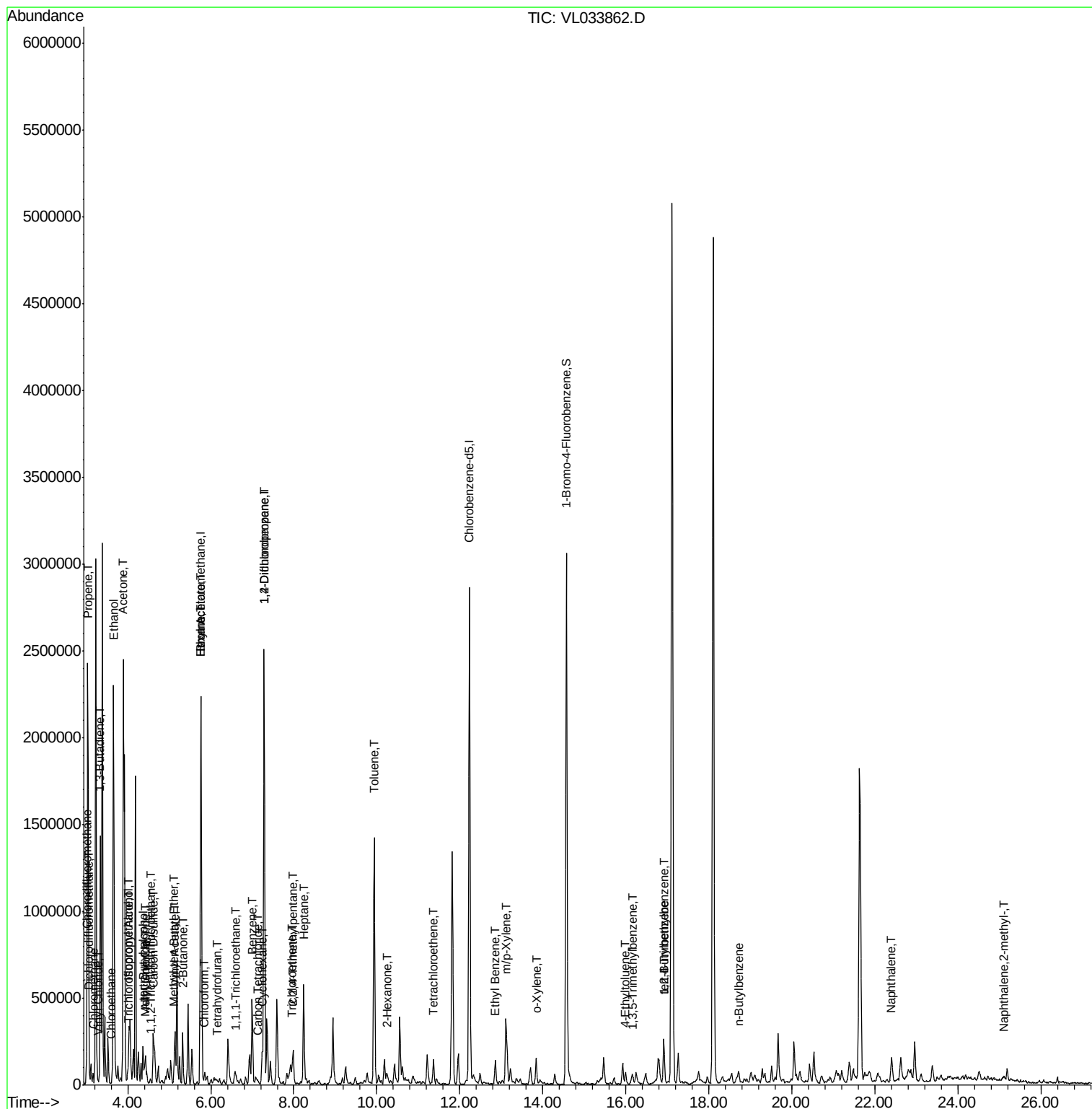
Quant Time: May 31 07:04:48 2019

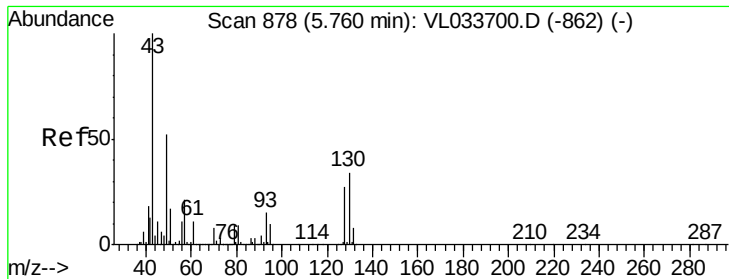
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033862.D

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Instrument :

MSVOA_L

ClientSampleId :

SSG-1

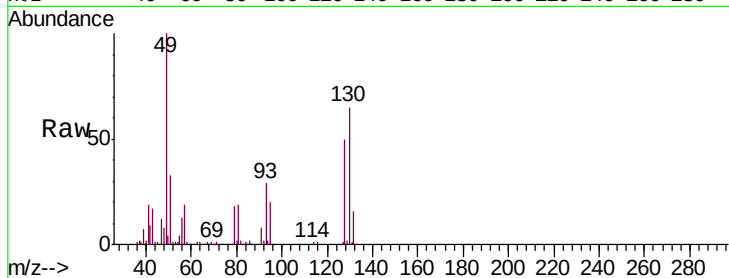
Tgt Ion: 49 Resp: 723462

Ion Ratio Lower Upper

49 100

128 49.4 25.2 75.6

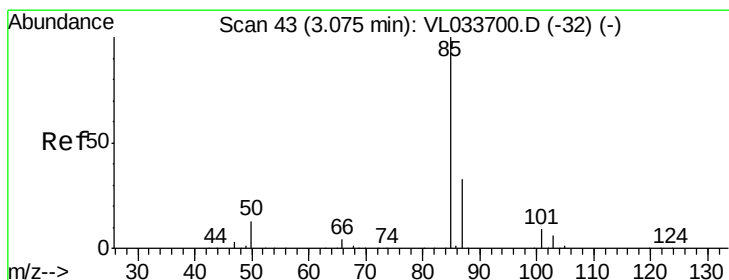
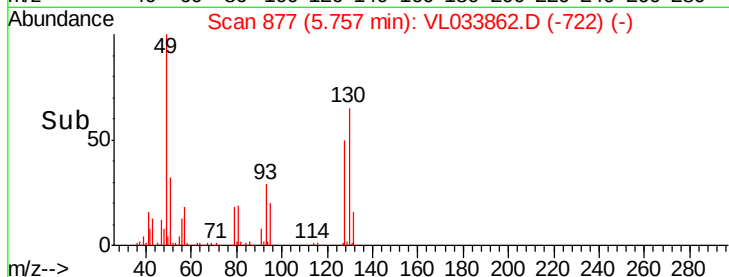
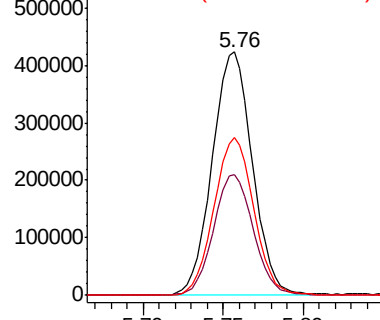
130 64.7 32.5 97.5



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: 0.147 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033862.D

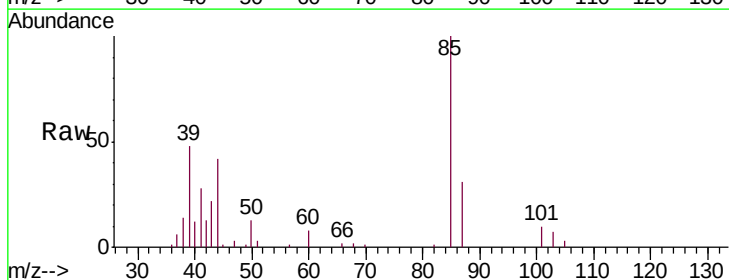
Acq: 30 May 2019 8:57

Tgt Ion: 85 Resp: 22387

Ion Ratio Lower Upper

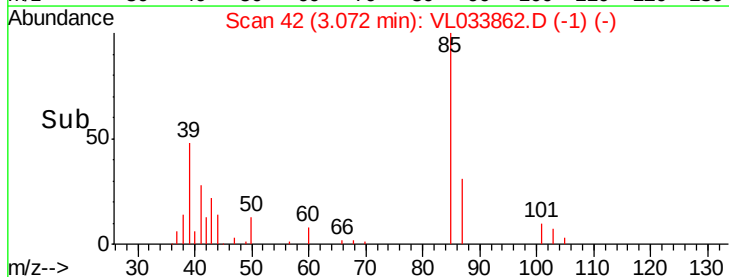
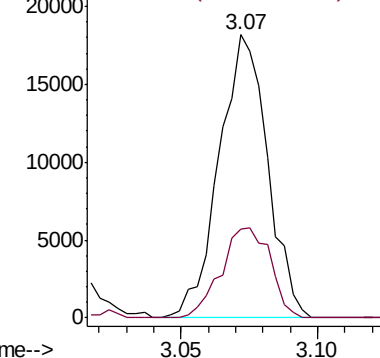
85 100

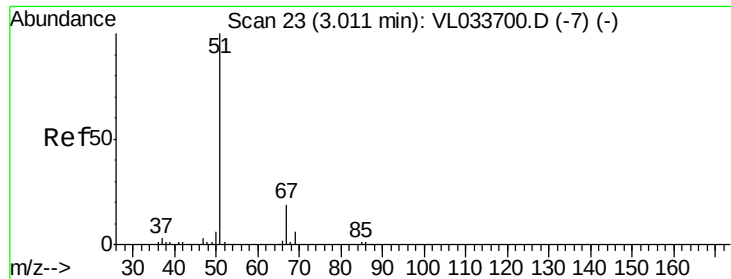
87 31.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

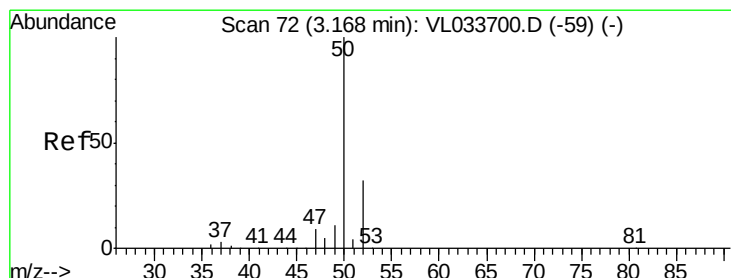
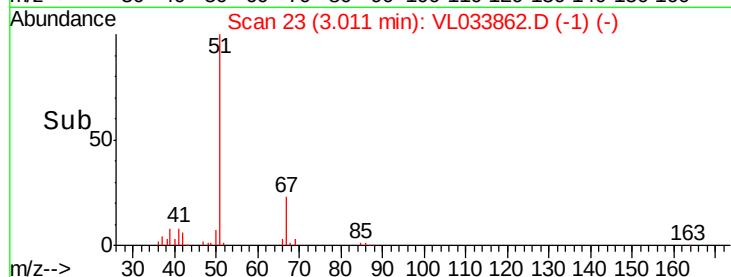
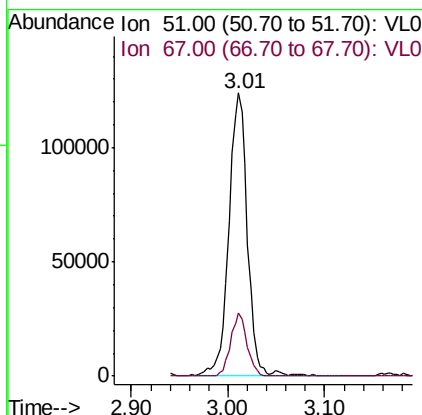
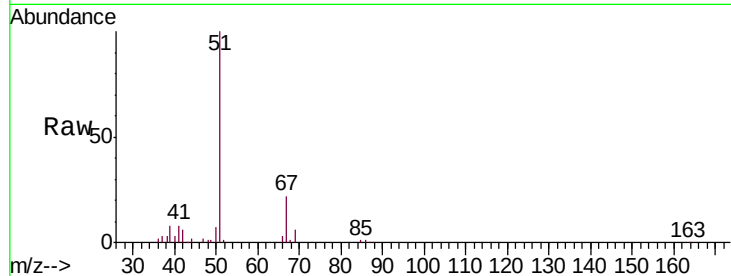




#3
 Chlorodifluoromethane
 Concen: 1.997 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

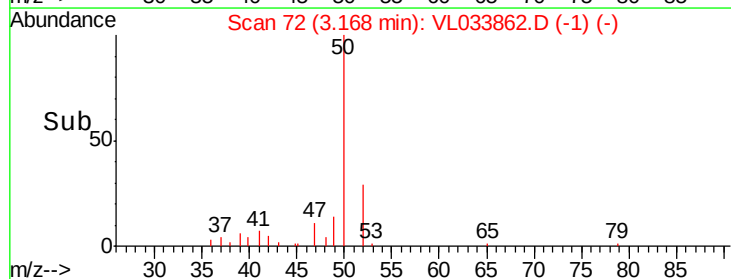
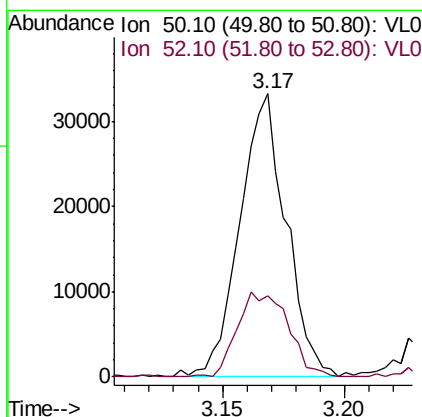
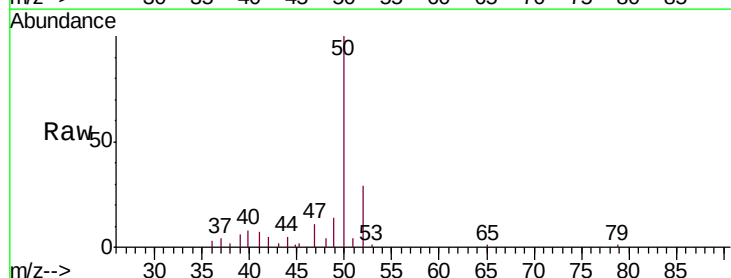
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1

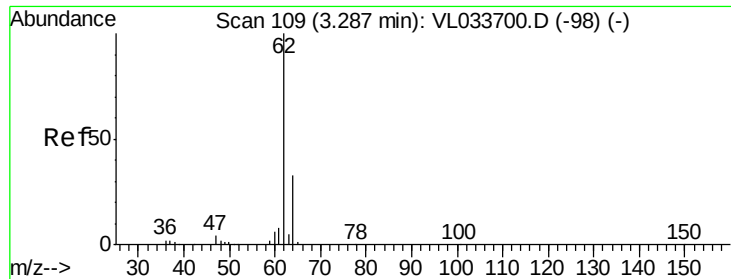
Tgt Ion: 51 Resp: 165531
 Ion Ratio Lower Upper
 51 100
 67 19.6 15.6 23.4



#4
 Chloromethane
 Concen: 0.917 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

Tgt Ion: 50 Resp: 43482
 Ion Ratio Lower Upper
 50 100
 52 28.6 25.7 38.5





#5

Vinyl Chloride

Concen: 0.034 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

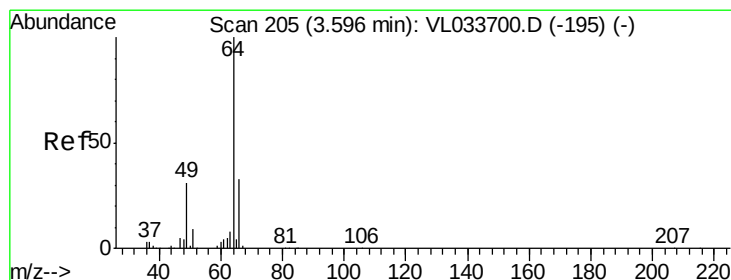
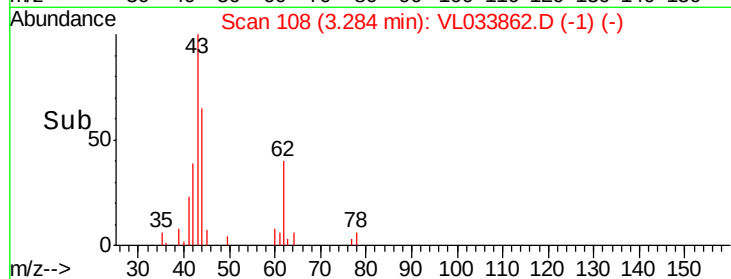
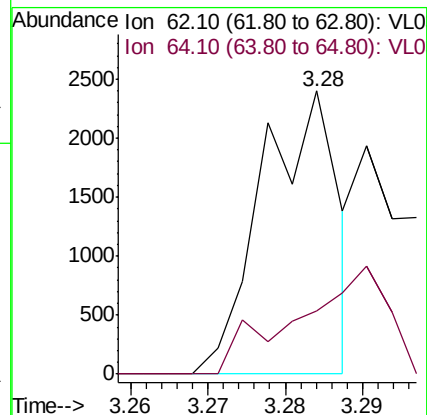
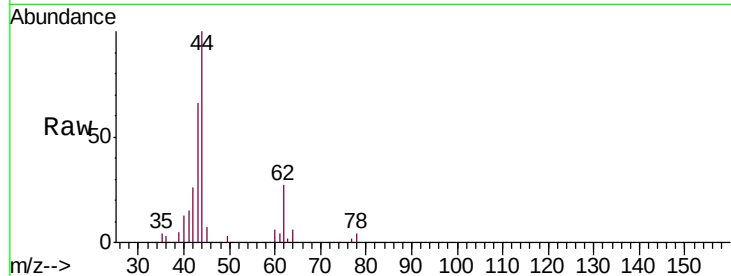
SSG-1

Tgt Ion: 62 Resp: 1646

Ion Ratio Lower Upper

62 100

64 20.9 26.4 39.6#



#7

Chloroethane

Concen: 0.076 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033862.D

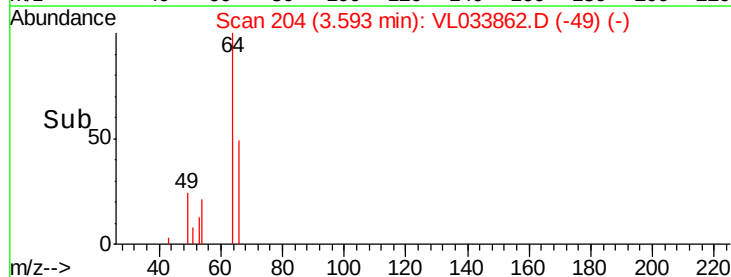
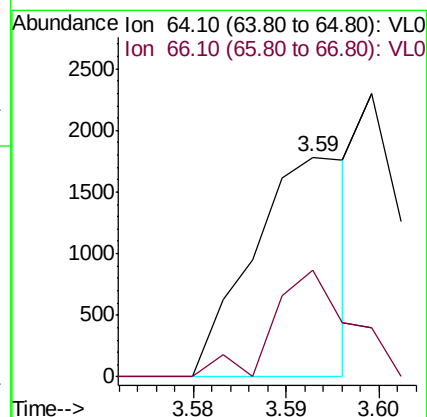
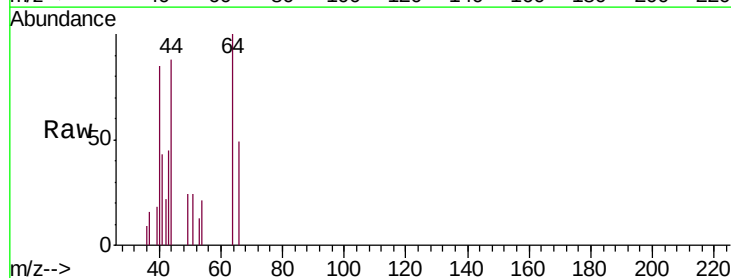
Acq: 30 May 2019 8:57

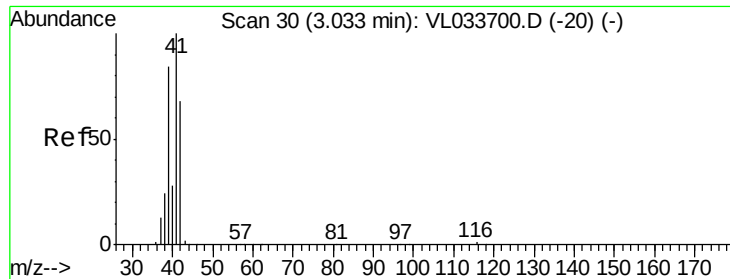
Tgt Ion: 64 Resp: 1300

Ion Ratio Lower Upper

64 100

66 48.8 26.6 40.0#





#9

Propene

Concen: 26.823 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

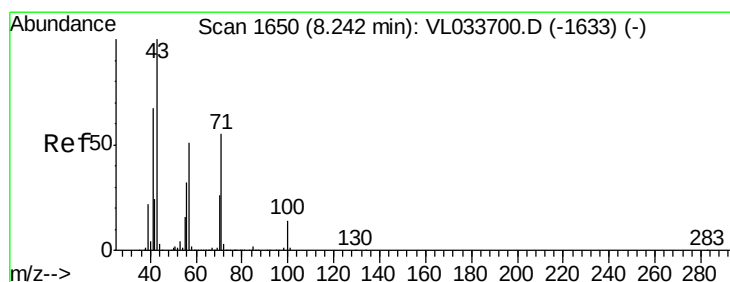
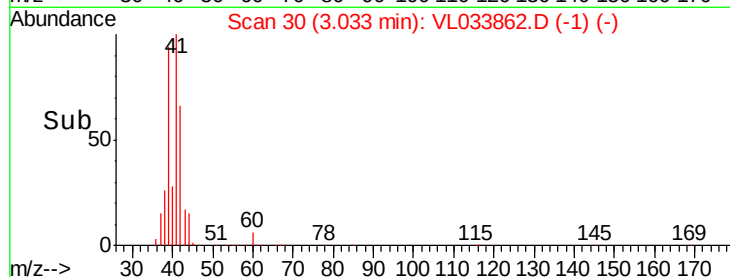
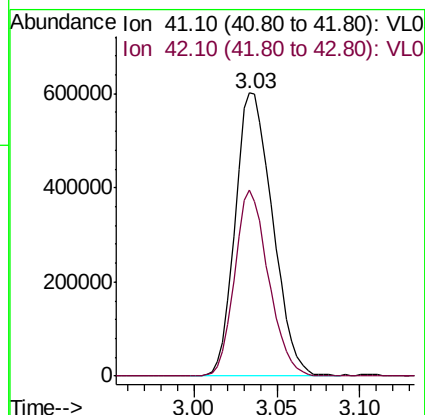
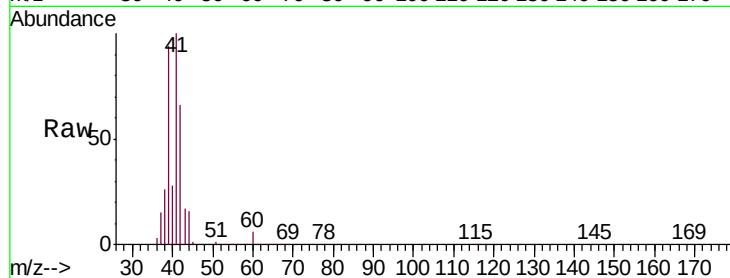
SSG-1

Tgt Ion: 41 Resp: 945451

Ion Ratio Lower Upper

41 100

42 59.7 56.1 84.1



#10

Heptane

Concen: 2.154 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033862.D

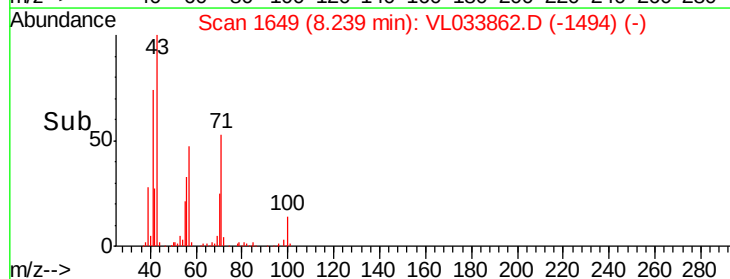
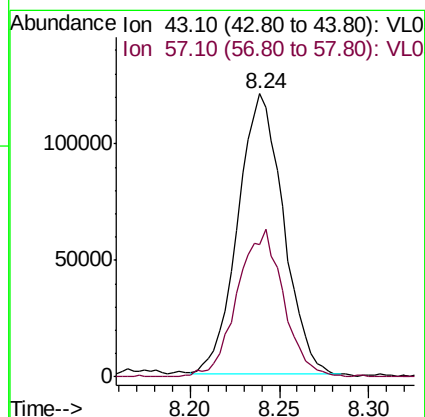
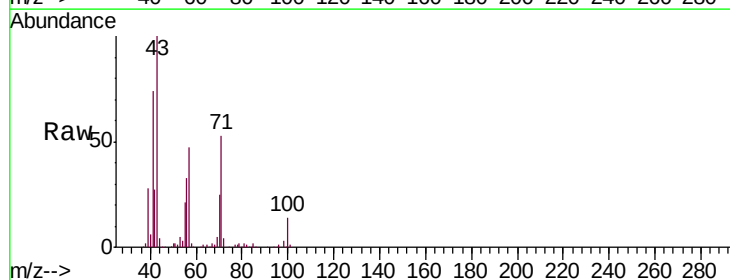
Acq: 30 May 2019 8:57

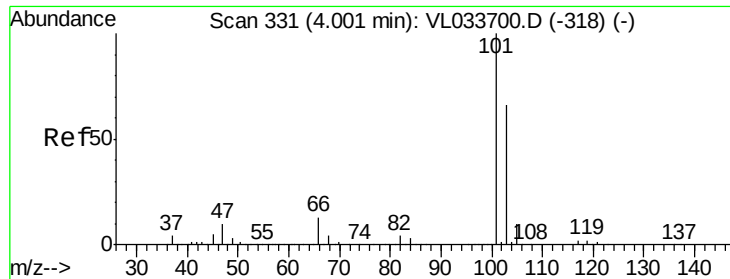
Tgt Ion: 43 Resp: 215000

Ion Ratio Lower Upper

43 100

57 53.2 41.4 62.0

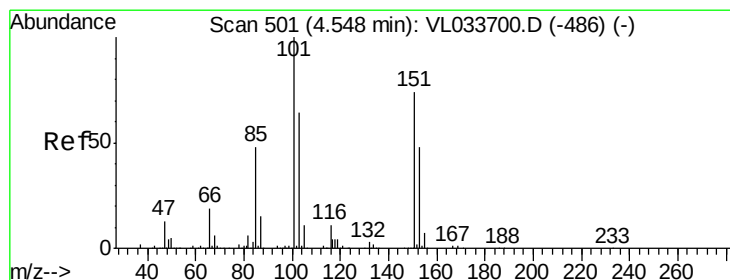
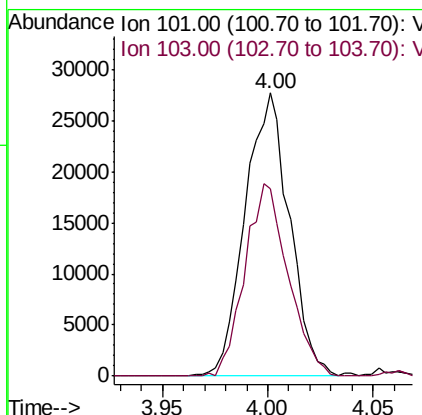
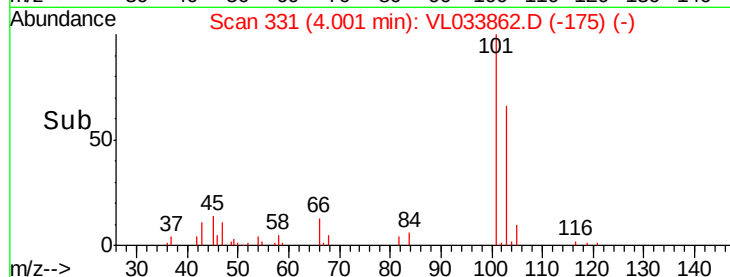
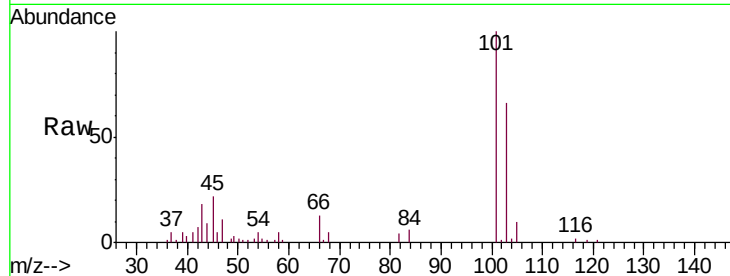




#11
 Trichlorofluoromethane
 Concen: 0.279 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

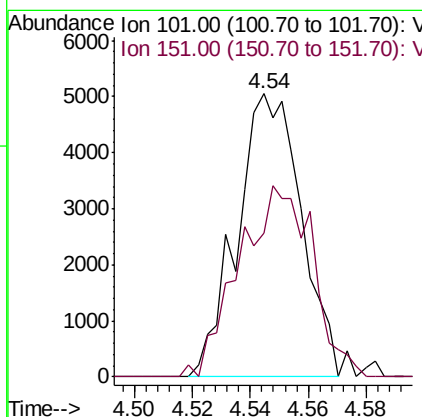
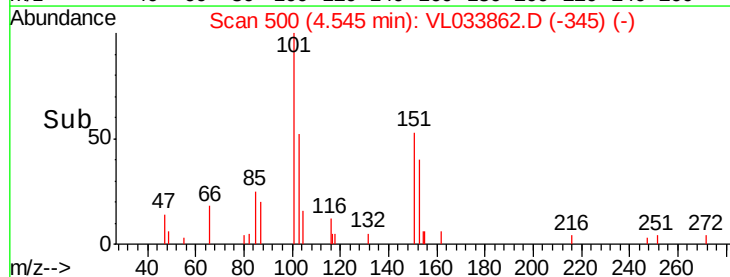
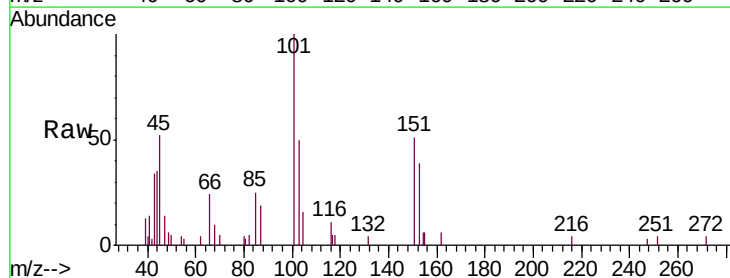
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1

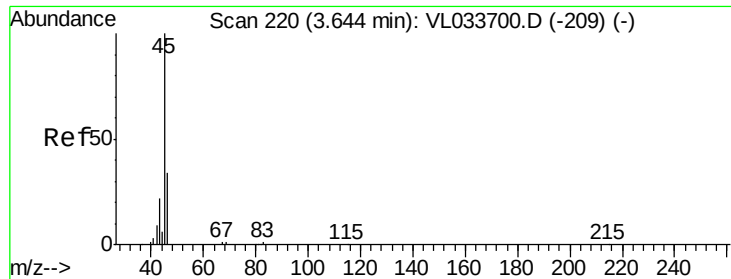
Tgt Ion:101 Resp: 40527
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.076 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

Tgt Ion:101 Resp: 7751
 Ion Ratio Lower Upper
 101 100
 151 77.4 58.2 87.4





#13

Ethanol

Concen: 230.587 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampled :

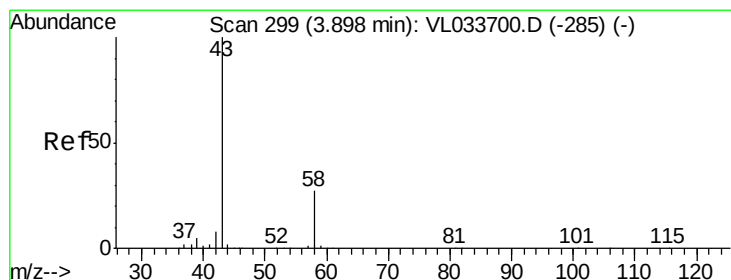
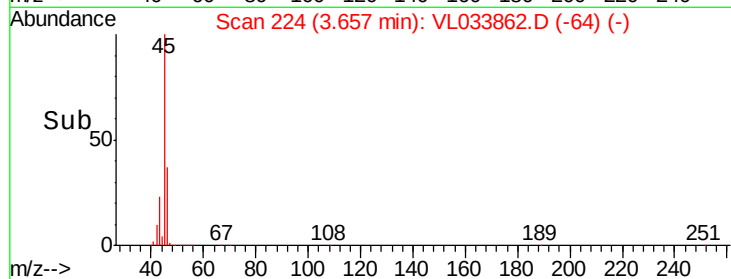
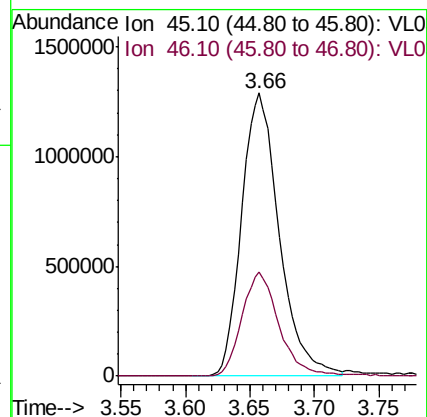
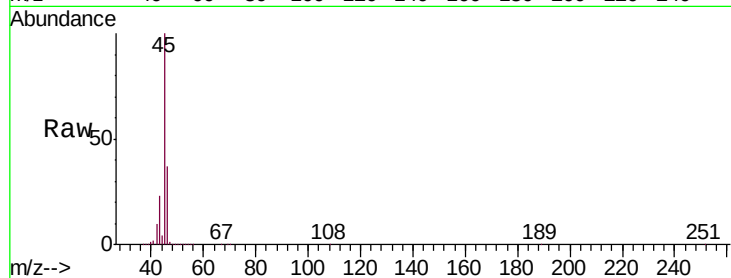
SSG-1

Tgt Ion: 45 Resp: 2626987

Ion Ratio Lower Upper

45 100

46 36.6 14.8 59.0



#15

Acetone

Concen: 28.276 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033862.D

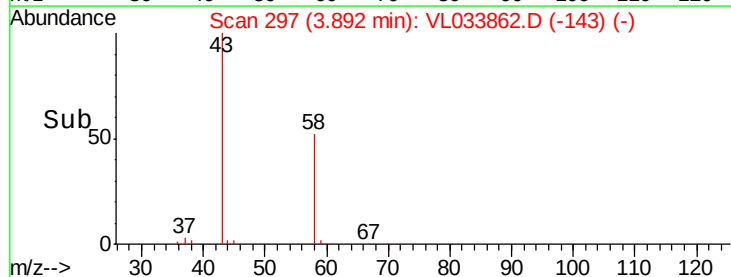
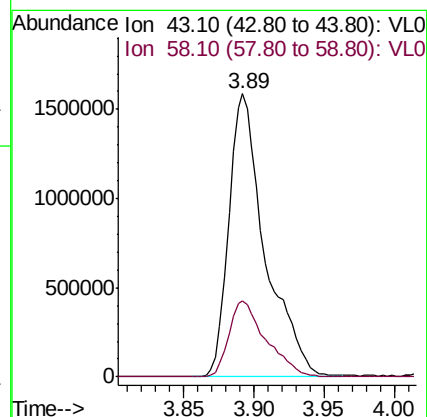
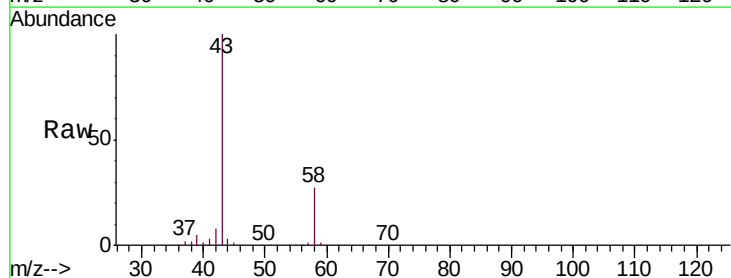
Acq: 30 May 2019 8:57

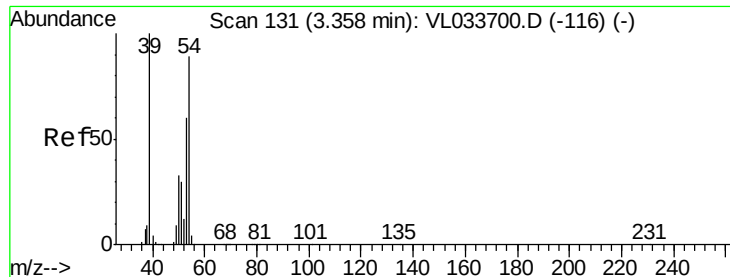
Tgt Ion: 43 Resp: 2838279

Ion Ratio Lower Upper

43 100

58 27.5 21.3 31.9

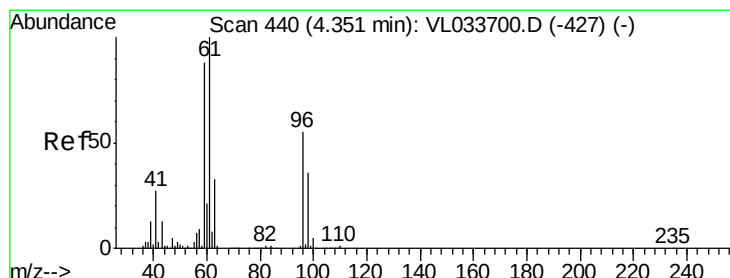
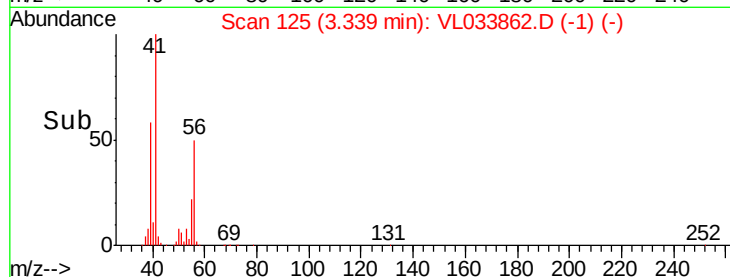
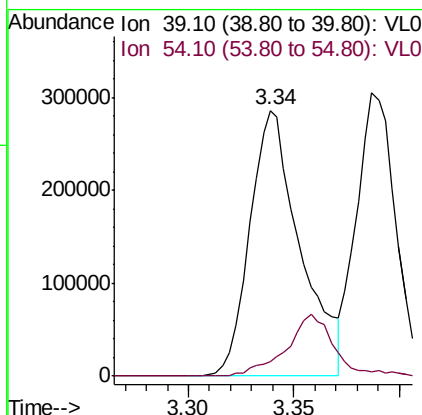
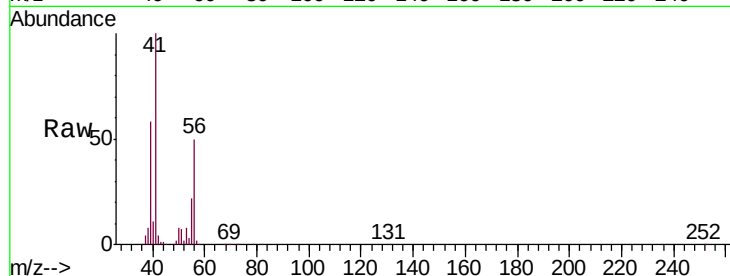




#16
 1,3-Butadiene
 Concen: 11.849 ppbv
 RT: 3.34 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

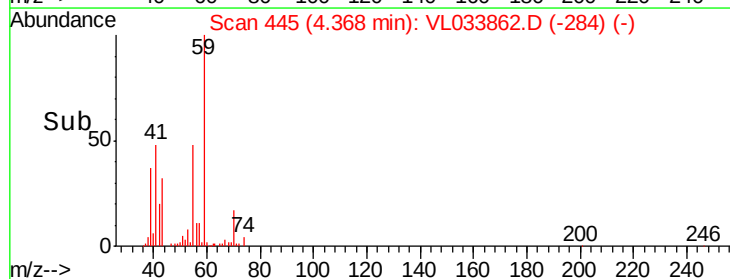
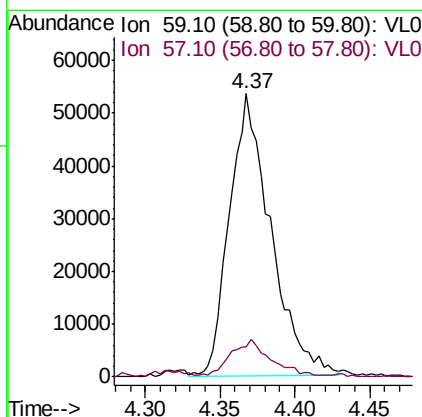
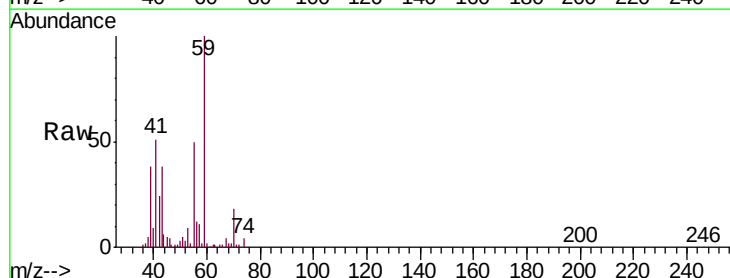
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1

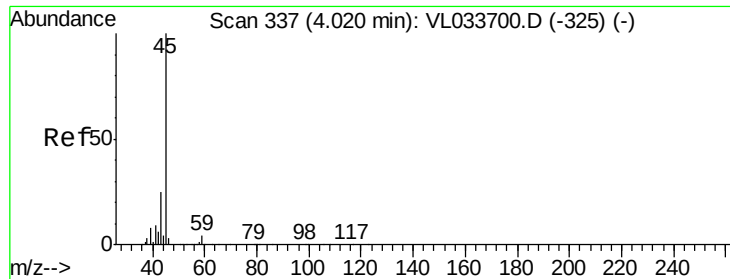
Tgt Ion: 39 Resp: 473635
 Ion Ratio Lower Upper
 39 100
 54 22.3 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 1.261 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.02 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

Tgt Ion: 59 Resp: 102323
 Ion Ratio Lower Upper
 59 100
 57 13.5 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 5.628 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

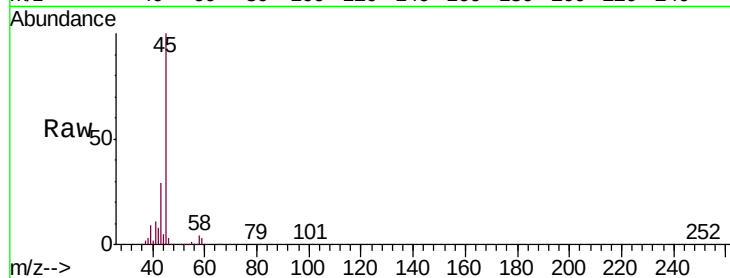
SSG-1

Tgt Ion: 45 Resp: 364263

Ion Ratio Lower Upper

45 100

58 214.5 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

200000

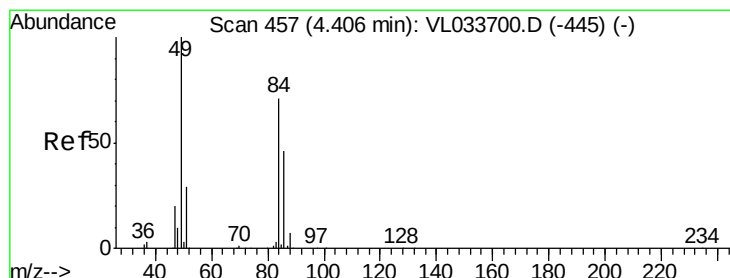
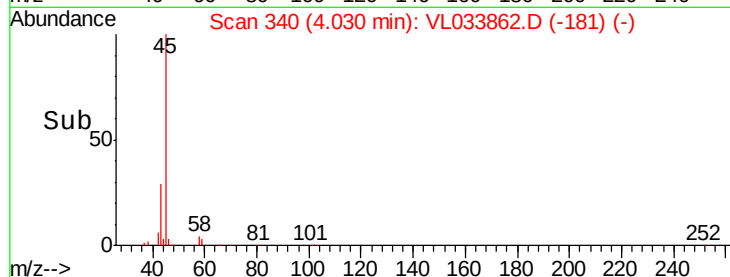
150000

100000

50000

0

Time--> 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 0.518 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Tgt Ion: 84 Resp: 20024

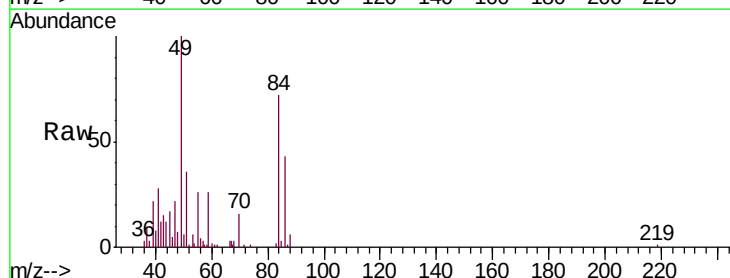
Ion Ratio Lower Upper

84 100

49 136.3 112.8 169.2

51 33.8 33.4 50.0

86 59.6 51.7 77.5



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

4.41

30000

25000

20000

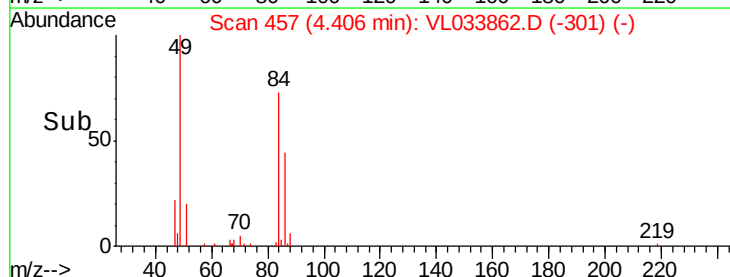
15000

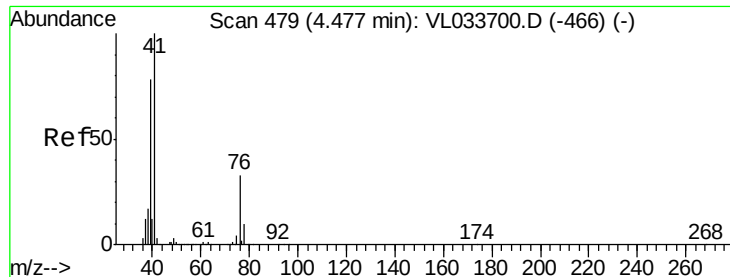
10000

5000

0

Time--> 4.36 4.38 4.40 4.42 4.44

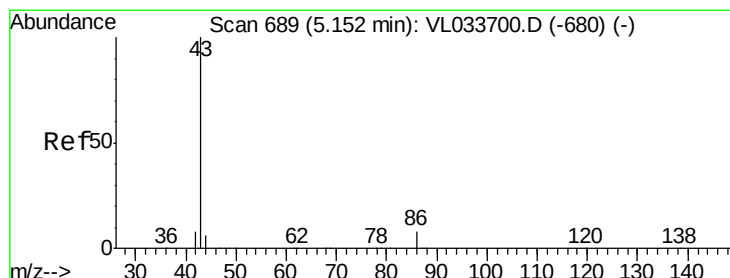
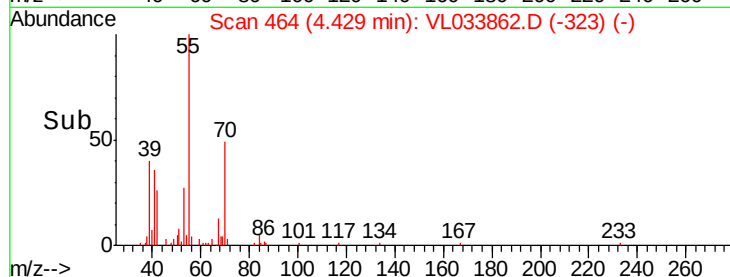
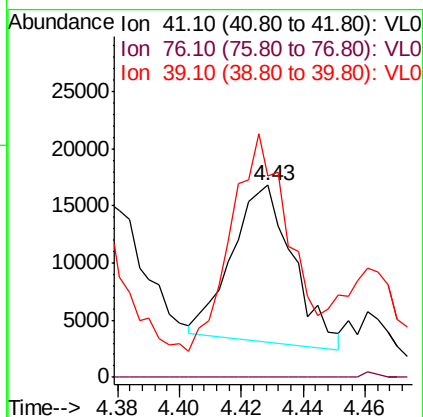
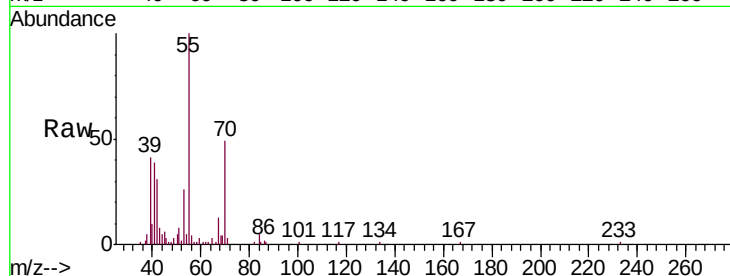




#21
 Allyl Chloride
 Concen: 0.299 ppbv
 RT: 4.43 min Scan# 464
 Delta R.T. -0.05 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

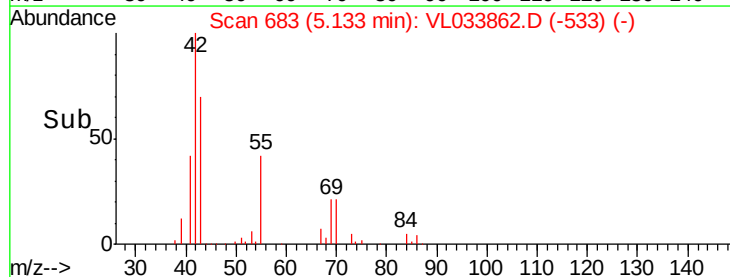
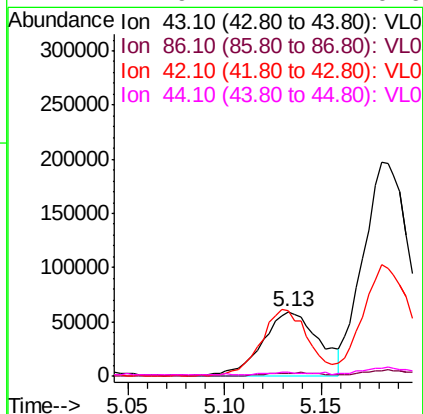
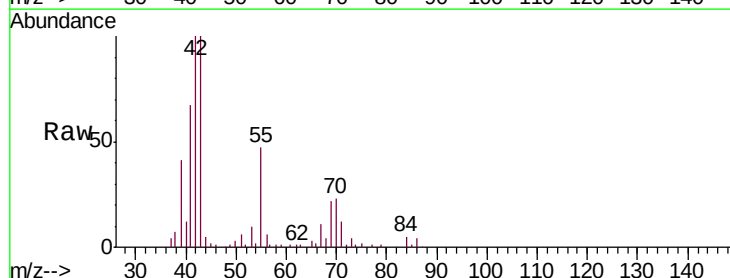
Instrument :
 MSVOA_L
 ClientSampleID :
 SSG-1

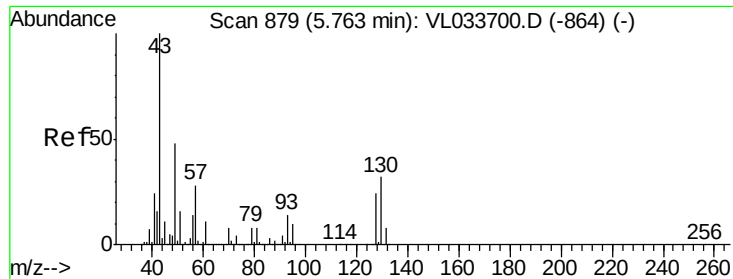
Tgt Ion: 41 Resp: 18745
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 234.2 64.6 97.0#



#23
 Vinyl Acetate
 Concen: 0.893 ppbv
 RT: 5.13 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

Tgt Ion: 43 Resp: 118177
 Ion Ratio Lower Upper
 43 100
 86 3.8 6.0 9.0#
 42 102.9 7.5 11.3#
 44 2.9 4.4 6.6#

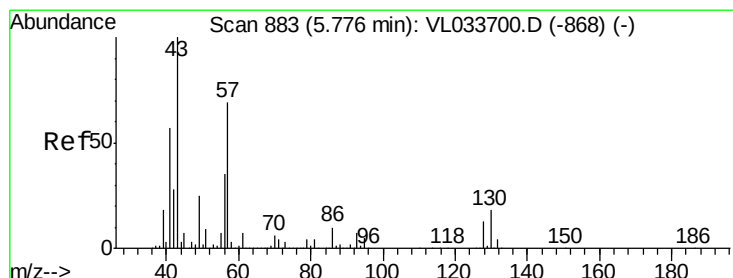
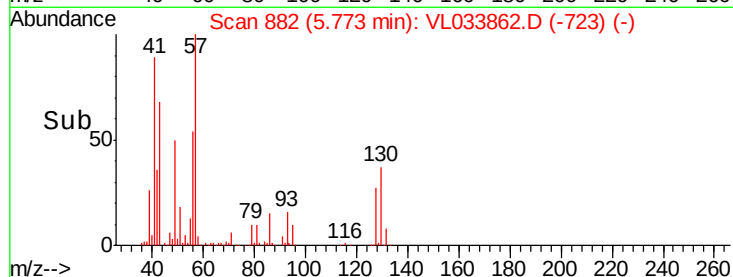
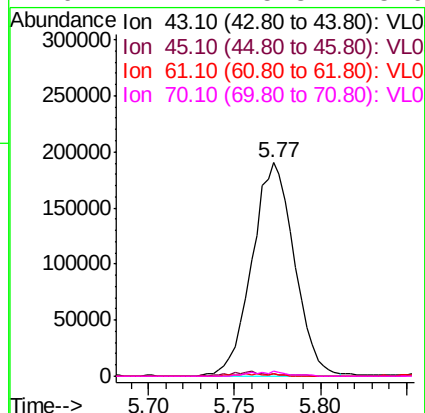
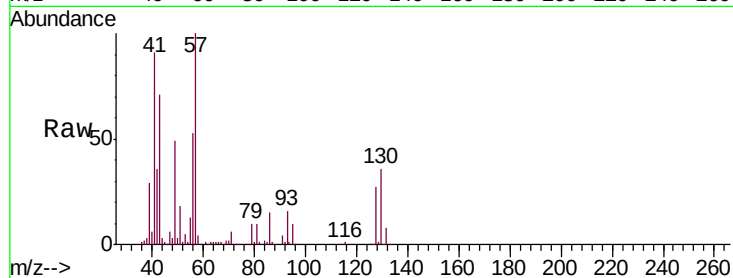




#25
Ethyl Acetate
Concen: 1.827 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

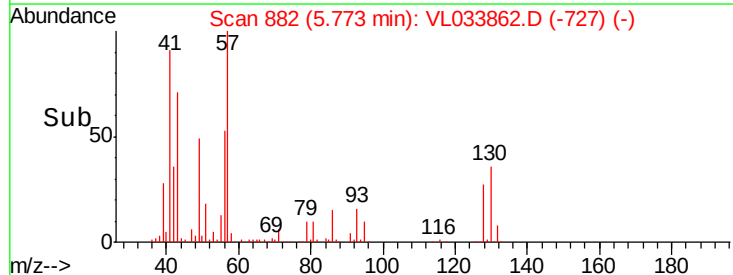
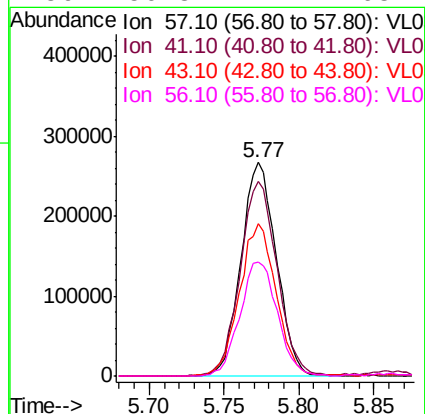
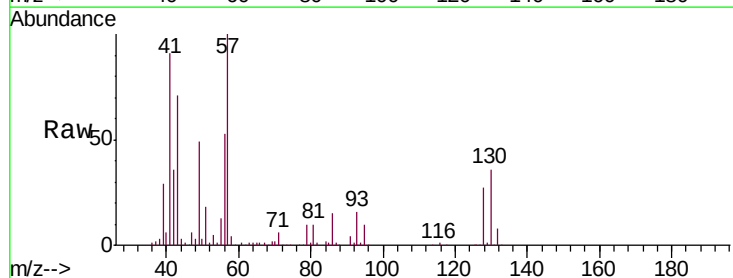
Instrument :
MSVOA_L
ClientSampleId :
SSG-1

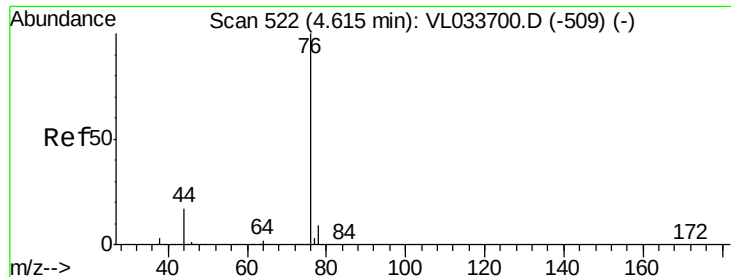
Tgt Ion:	43	Resp:	322087
Ion	Ratio	Lower	Upper
43	100		
45	2.2	7.9	11.9#
61	1.2	7.7	11.5#
70	2.2	5.8	8.6#



#26
Hexane
Concen: 5.776 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion:	57	Resp:	437845
Ion	Ratio	Lower	Upper
57	100		
41	96.0	69.8	104.6
43	73.9	181.8	272.6#
56	56.8	42.1	63.1





#27

Carbon Disulfide

Concen: 2.611 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

SSG-1

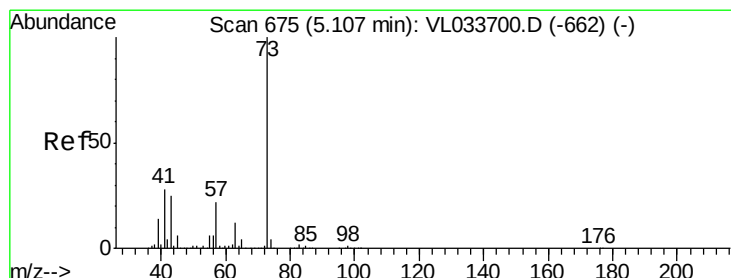
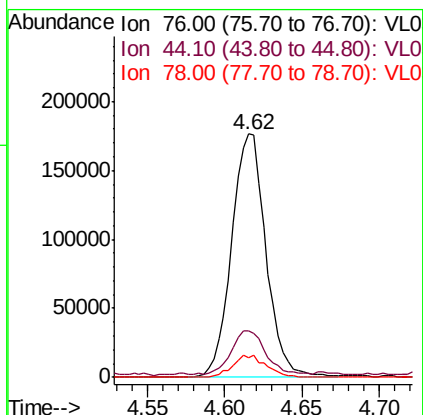
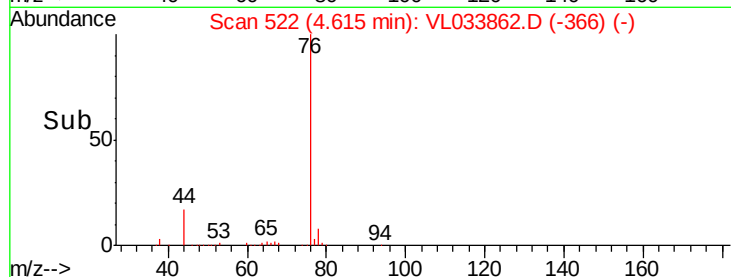
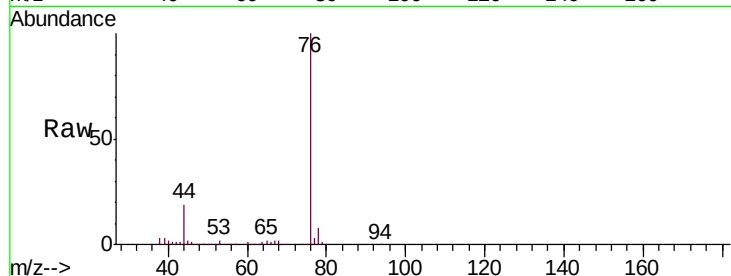
Tgt Ion: 76 Resp: 271562

Ion Ratio Lower Upper

76 100

44 18.5 13.8 20.8

78 9.1 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 0.102 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033862.D

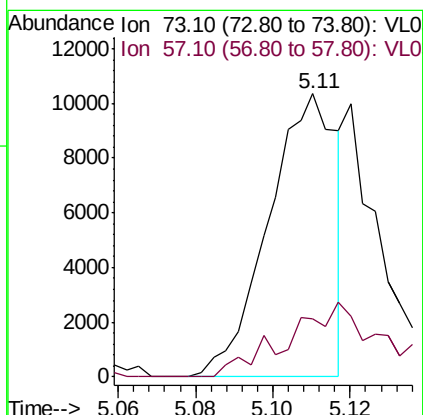
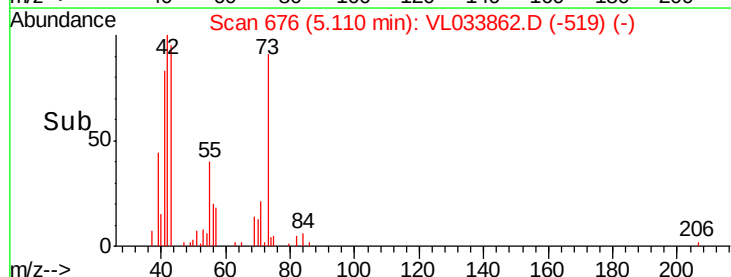
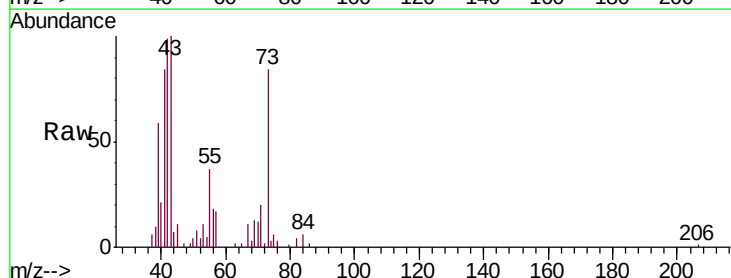
Acq: 30 May 2019 8:57

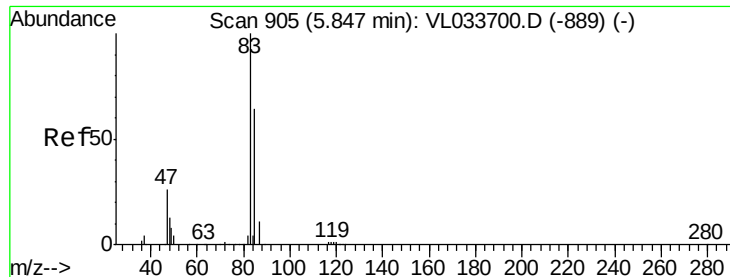
Tgt Ion: 73 Resp: 12632

Ion Ratio Lower Upper

73 100

57 0.0 17.4 26.2#

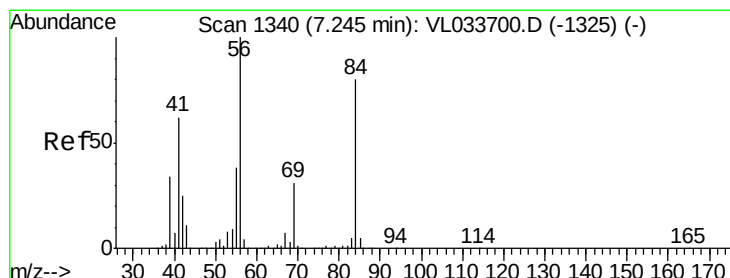
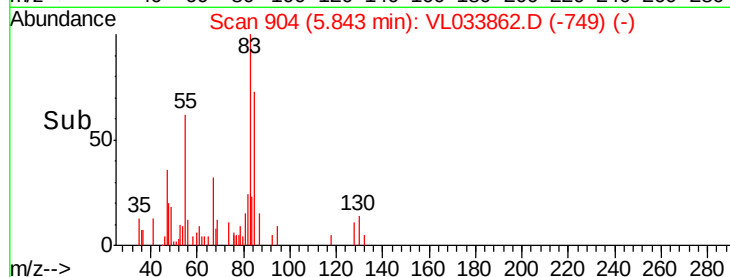
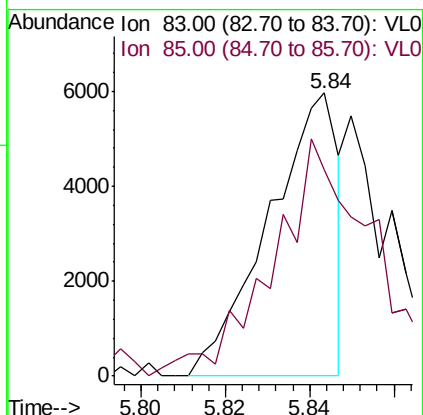
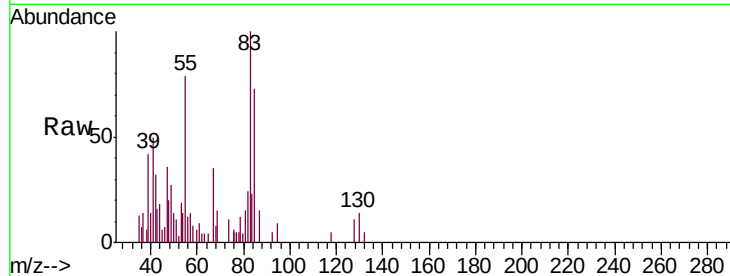




#29
Chloroform
Concen: 0.049 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

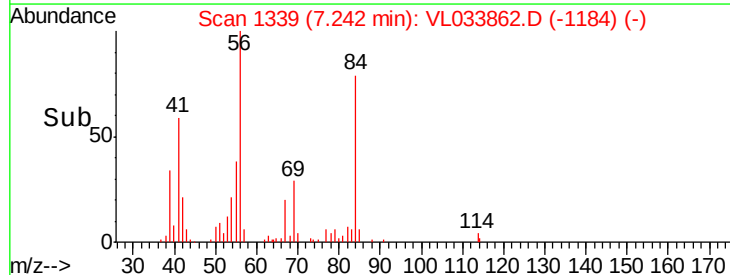
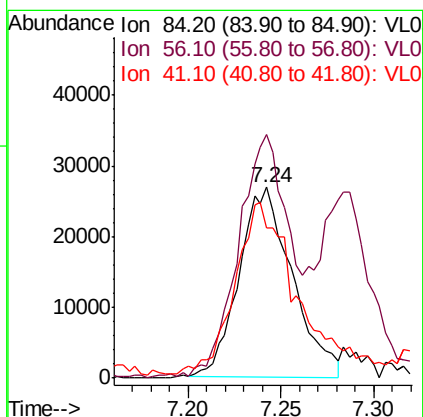
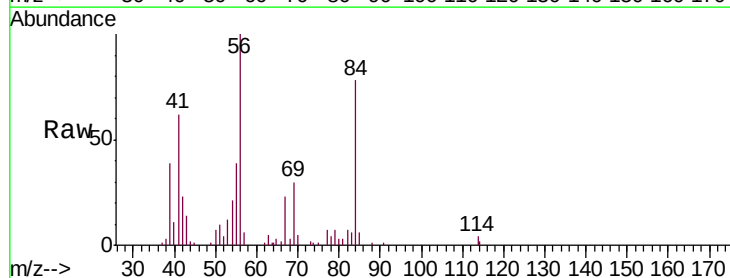
Instrument :
MSVOA_L
ClientSampleId :
SSG-1

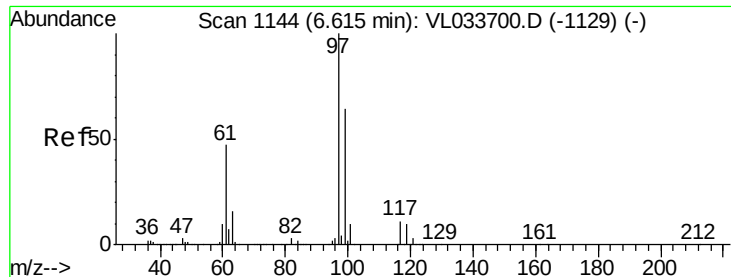
Tgt Ion: 83 Resp: 6829
Ion Ratio Lower Upper
83 100
85 65.3 51.5 77.3



#30
Cyclohexane
Concen: 0.844 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion: 84 Resp: 53775
Ion Ratio Lower Upper
84 100
56 117.3 107.7 161.5
41 106.9 66.0 99.0#





#32

1,1,1-Trichloroethane

Concen: 0.060 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

SSG-1

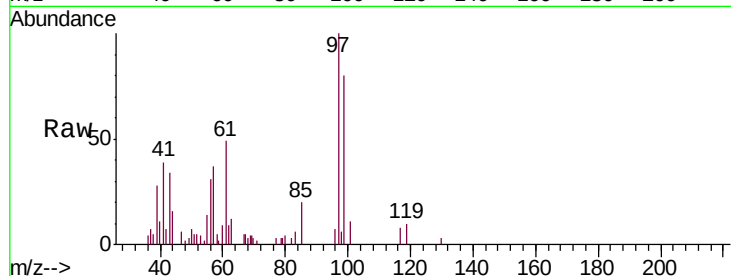
Tgt Ion: 97 Resp: 8409

Ion Ratio Lower Upper

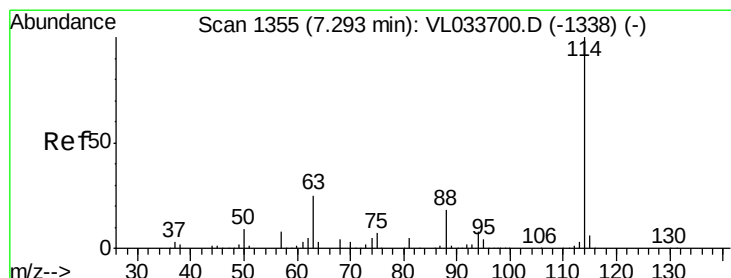
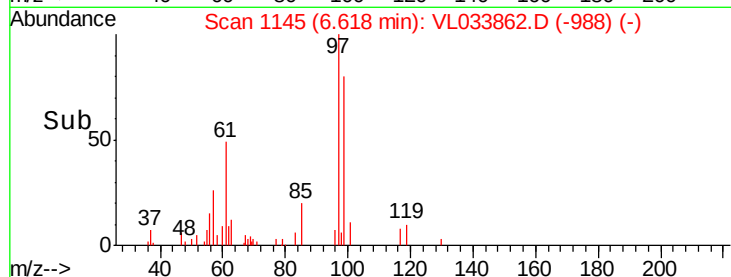
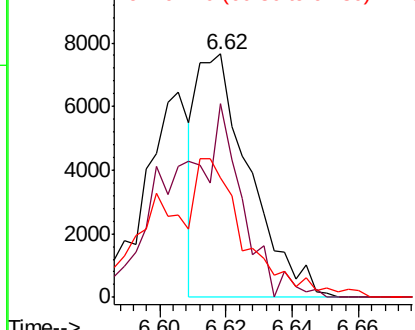
97 100

99 110.5 51.5 77.3#

61 98.4 37.8 56.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

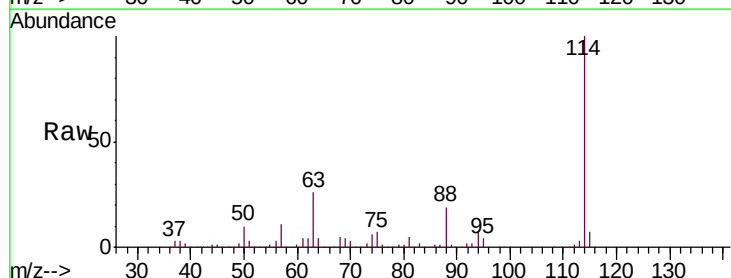
Tgt Ion: 114 Resp: 1738530

Ion Ratio Lower Upper

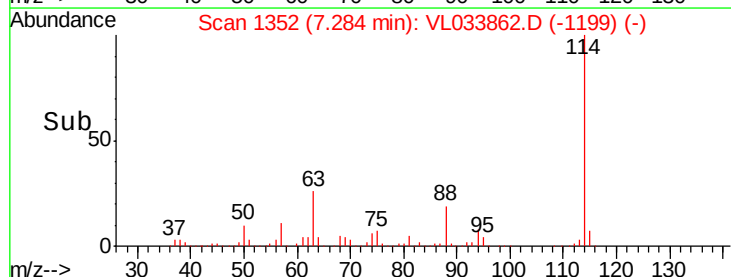
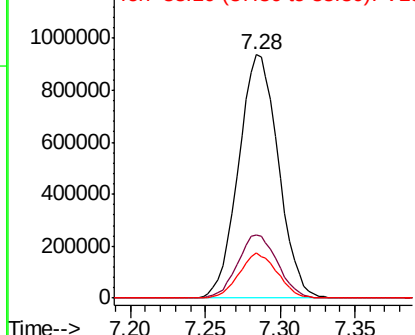
114 100

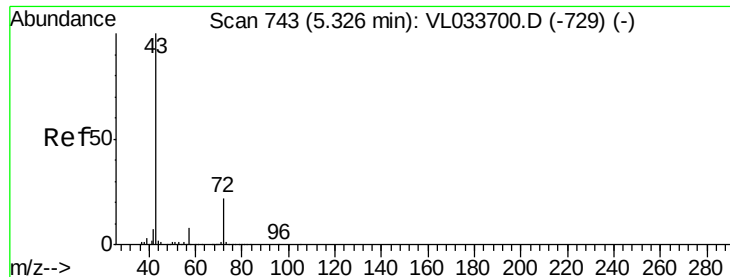
63 26.3 20.9 31.3

88 17.8 14.3 21.5



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





#34

2-Butanone

Concen: 2.867 ppbv

RT: 5.33 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampled :

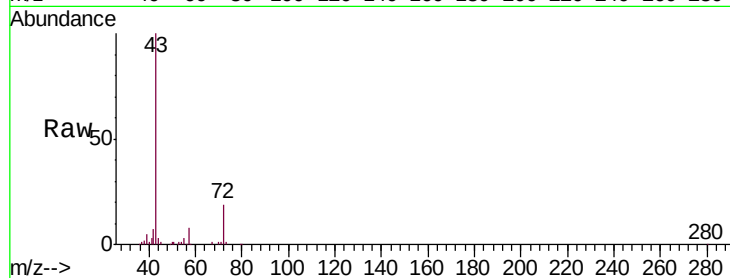
SSG-1

Tgt Ion: 43 Resp: 308942

Ion Ratio Lower Upper

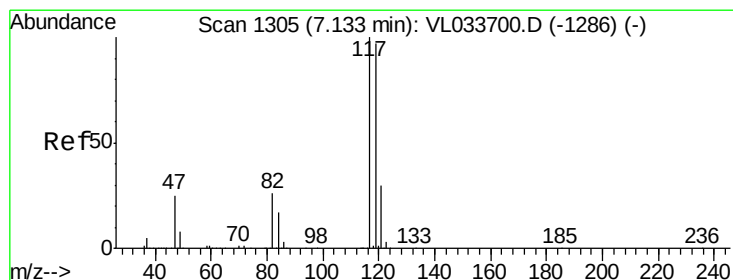
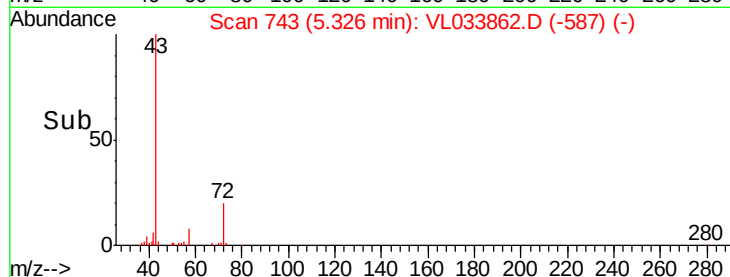
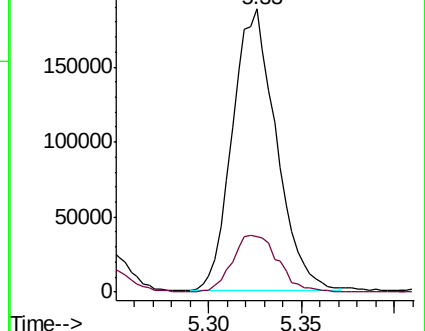
43 100

72 21.4 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.062 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

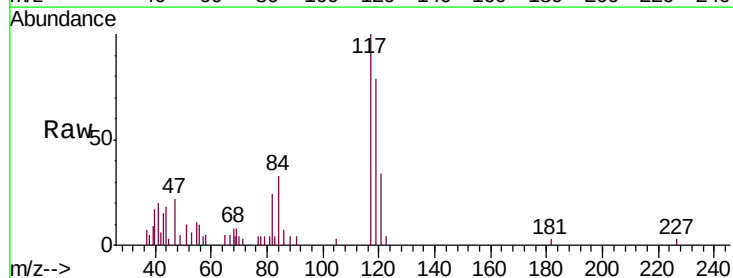
Tgt Ion: 117 Resp: 8649

Ion Ratio Lower Upper

117 100

119 71.7 77.2 115.8#

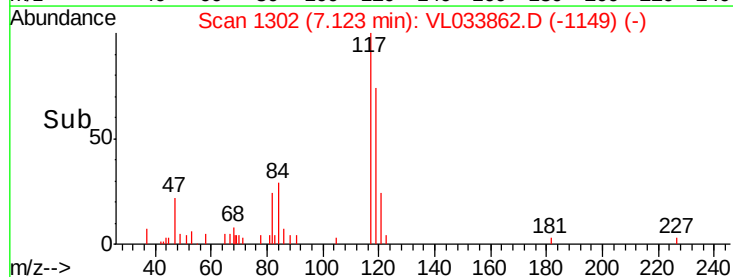
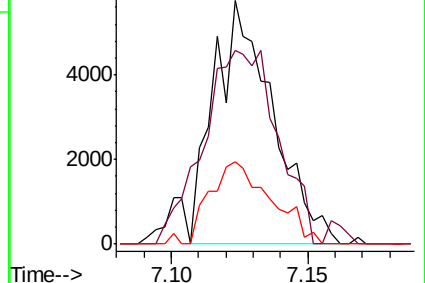
121 33.9 24.1 36.1

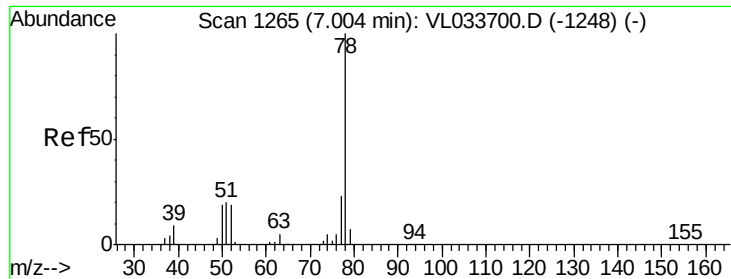


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

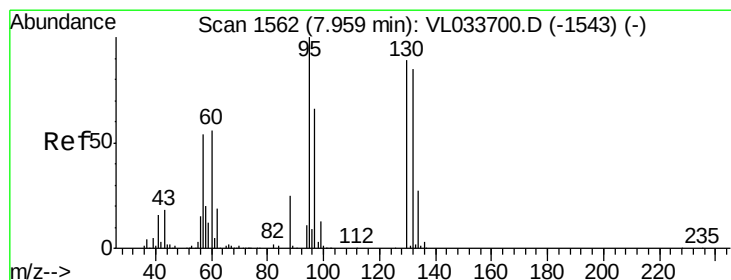
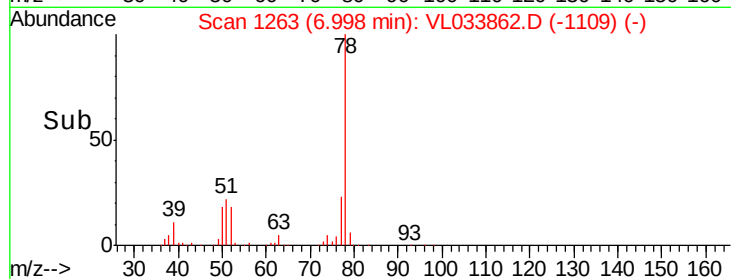
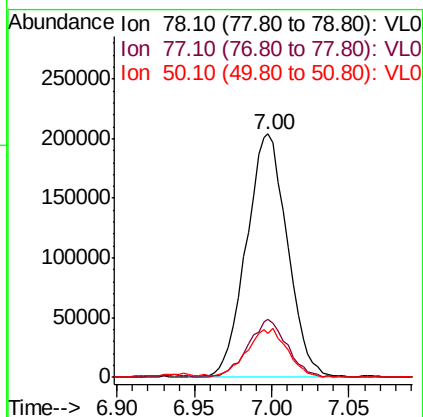
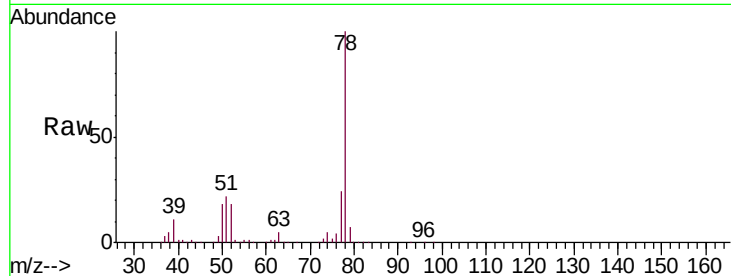




#36
Benzene
Concen: 2.366 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

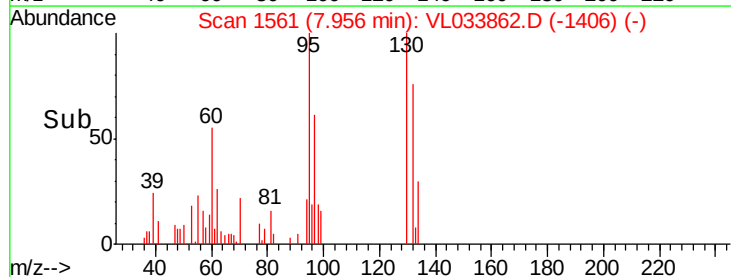
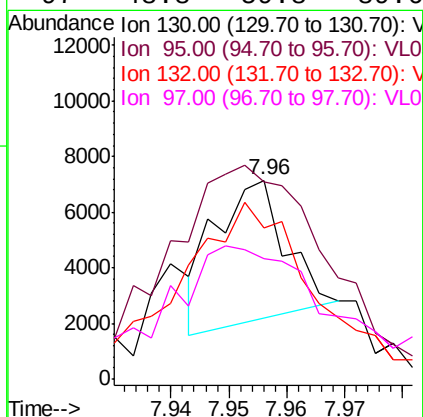
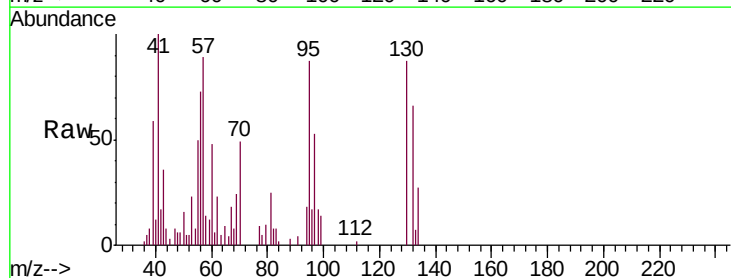
Instrument :
MSVOA_L
ClientSampled :
SSG-1

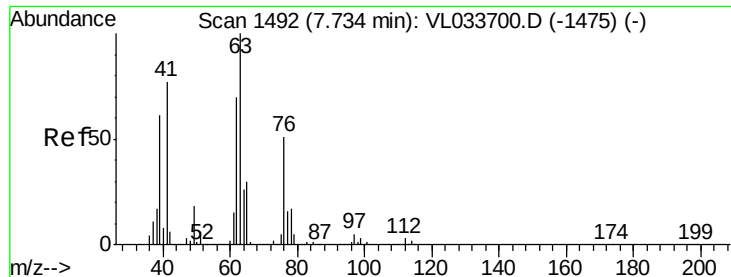
Tgt Ion: 78 Resp: 374238
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6
50 17.9 15.5 23.3



#38
Trichloroethene
Concen: 0.073 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion: 130 Resp: 4304
Ion Ratio Lower Upper
130 100
95 80.4 90.2 135.4#
132 88.4 76.4 114.6
97 48.8 59.8 89.6#





#39

1,2-Dichloropropane

Concen: 7.613 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

SSG-1

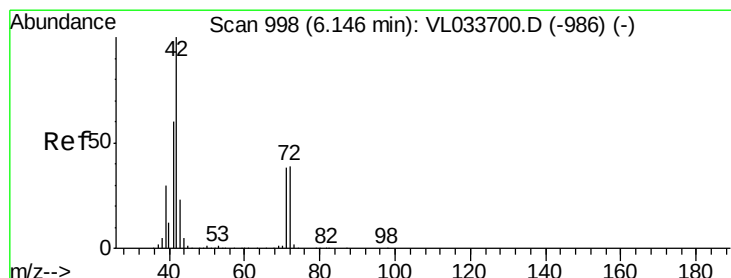
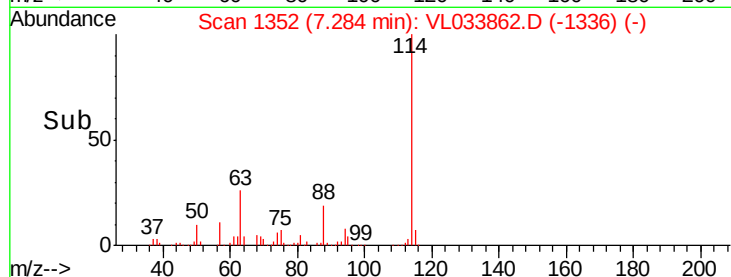
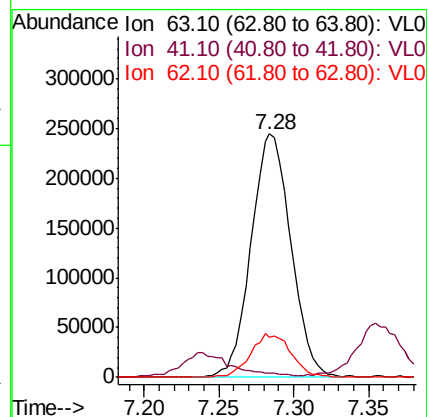
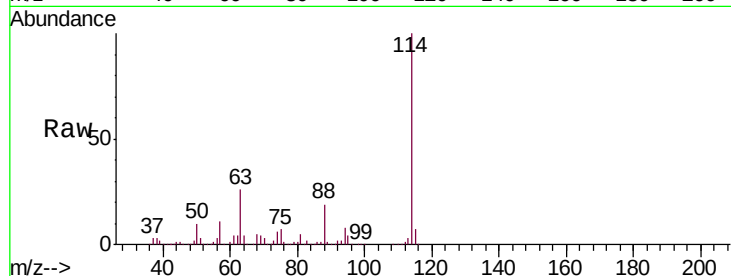
Tgt Ion: 63 Resp: 448894

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 16.4 56.2 84.4#



#41

Tetrahydrofuran

Concen: 0.054 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

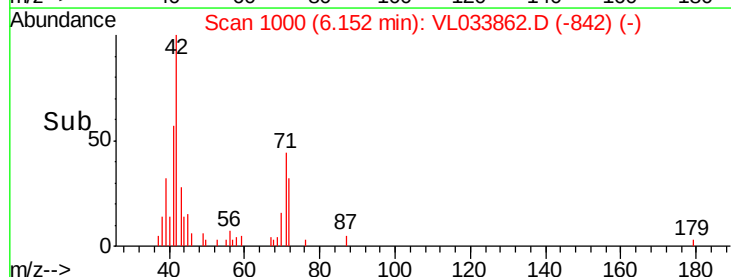
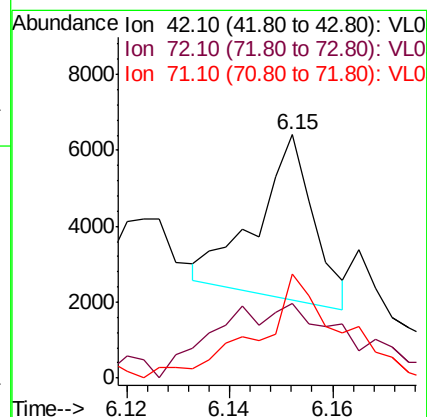
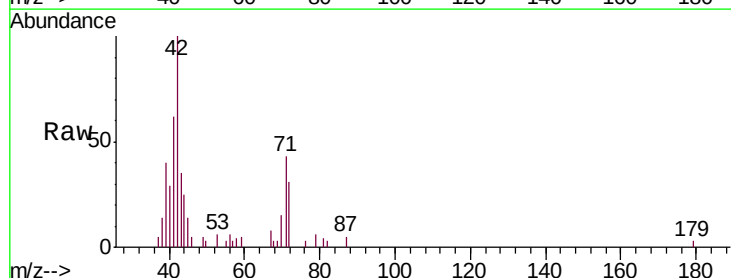
Tgt Ion: 42 Resp: 3243

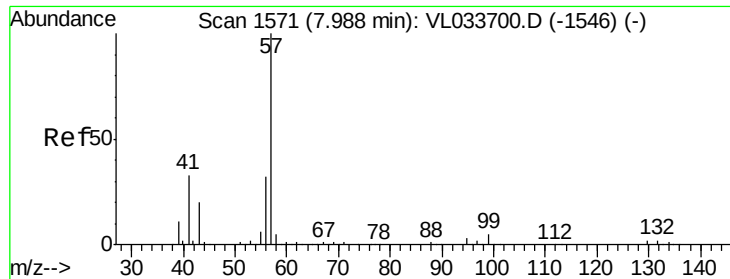
Ion Ratio Lower Upper

42 100

72 148.3 32.0 48.0#

71 99.3 30.4 45.6#

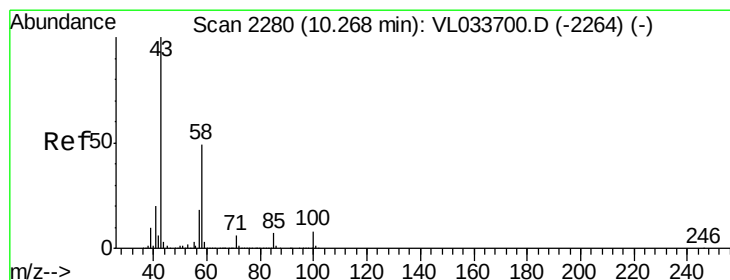
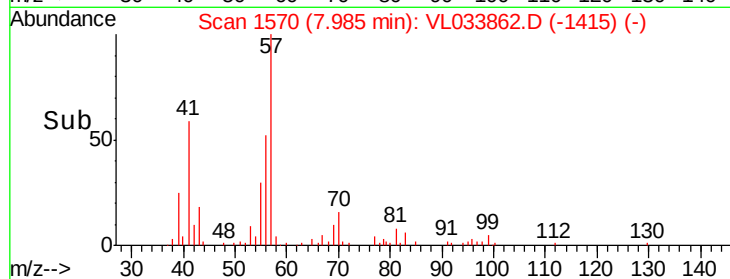
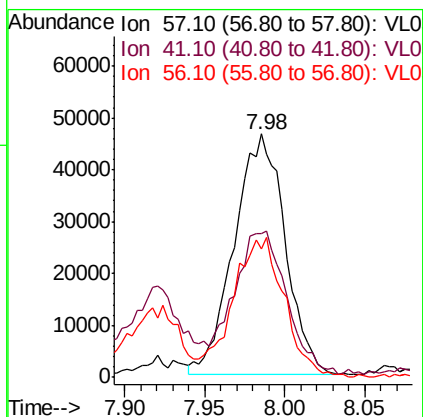
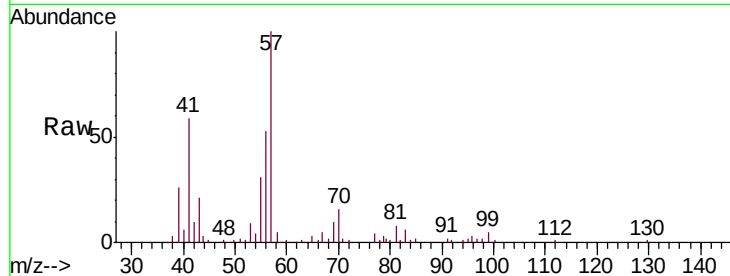




#44
 2,2,4-Trimethylpentane
 Concen: 0.379 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

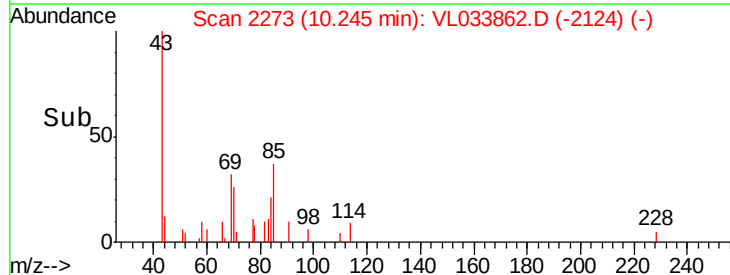
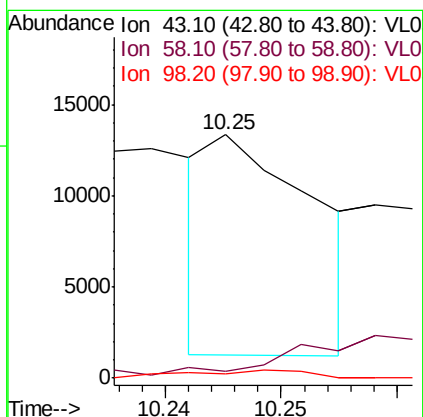
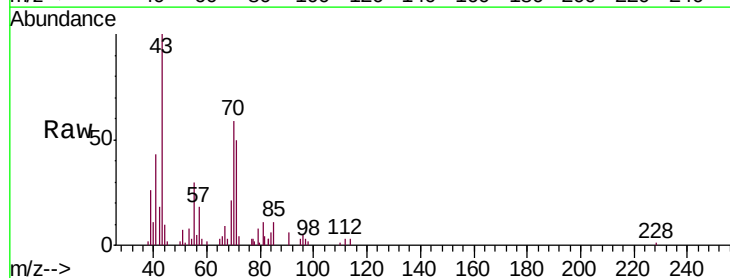
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1

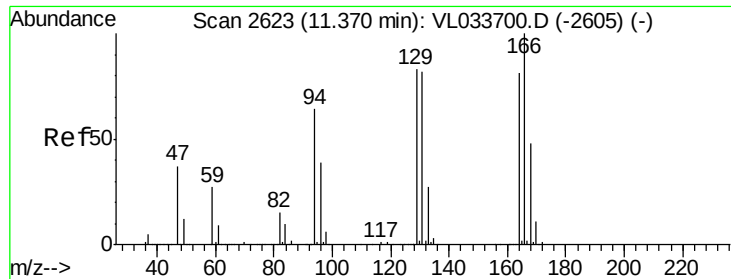
Tgt Ion: 57 Resp: 101411
 Ion Ratio Lower Upper
 57 100
 41 61.0 25.4 38.0#
 56 60.2 24.7 37.1#



#51
 2-Hexanone
 Concen: 0.058 ppbv
 RT: 10.25 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: VL033862.D
 Acq: 30 May 2019 8:57

Tgt Ion: 43 Resp: 7561
 Ion Ratio Lower Upper
 43 100
 58 0.0 38.7 58.1#
 98 4.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.497 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

SSG-1

Tgt Ion:164 Resp: 27606

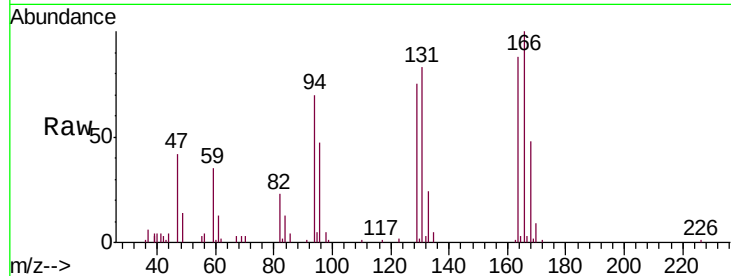
Ion Ratio Lower Upper

164 100

166 110.0 98.9 148.3

129 79.3 81.8 122.6#

131 87.4 81.1 121.7

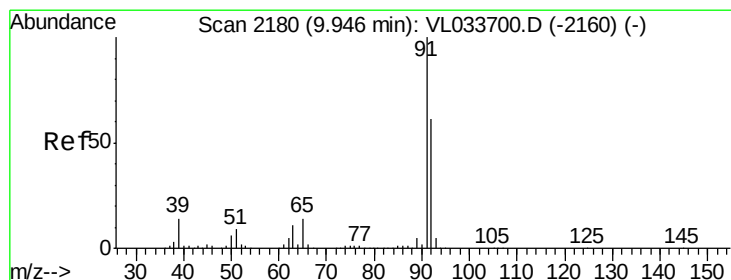
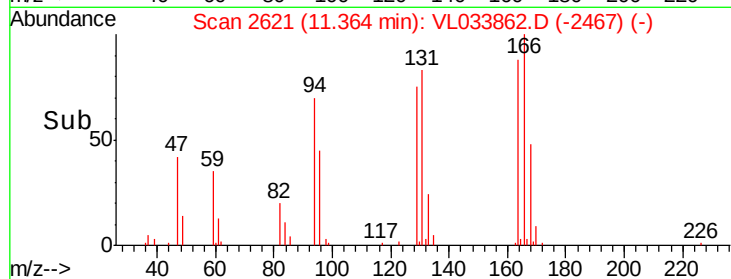
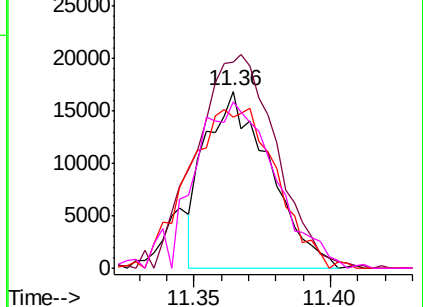


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 6.064 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033862.D

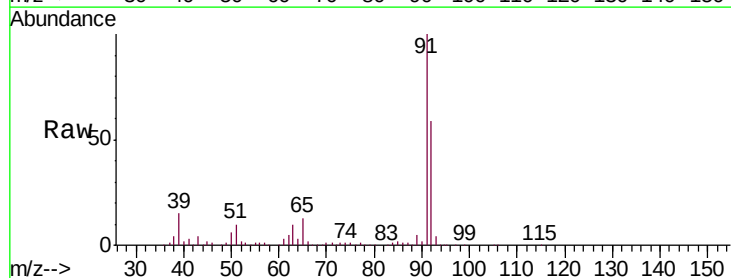
Acq: 30 May 2019 8:57

Tgt Ion: 91 Resp: 1034285

Ion Ratio Lower Upper

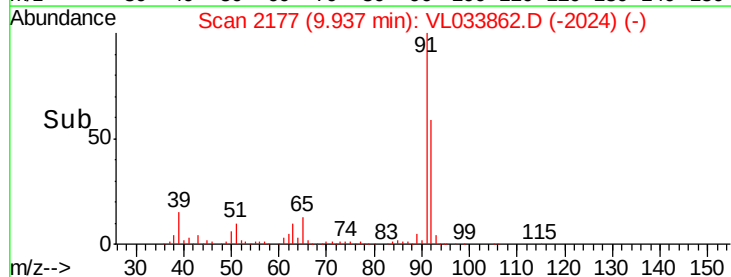
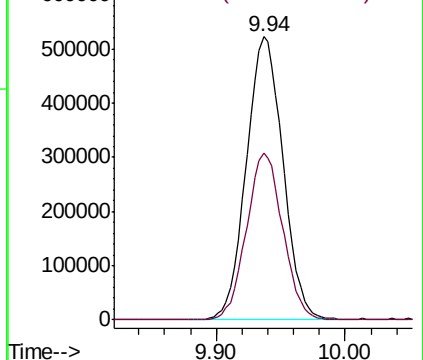
91 100

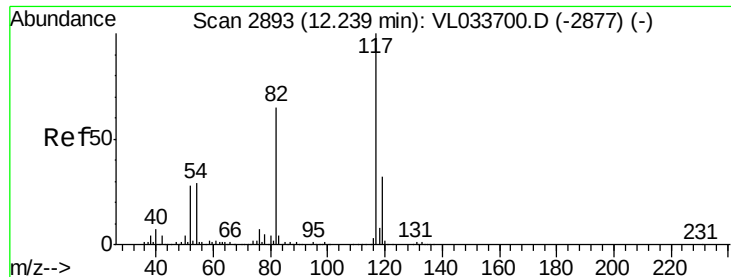
92 58.7 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

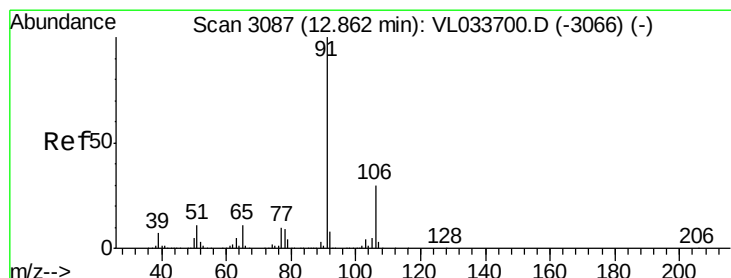
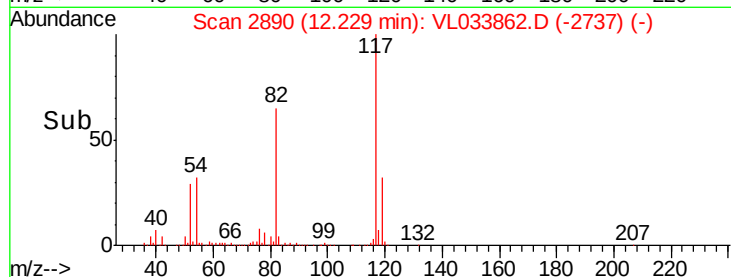
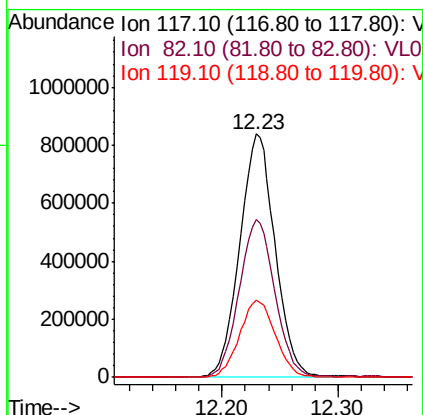
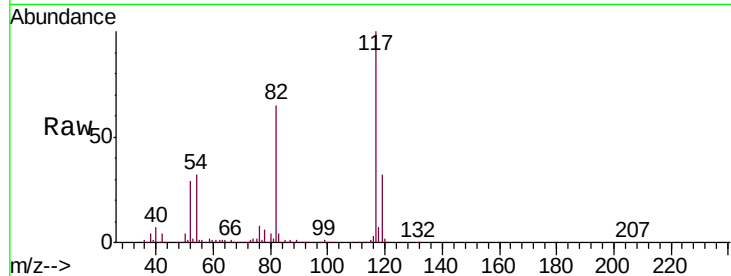




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

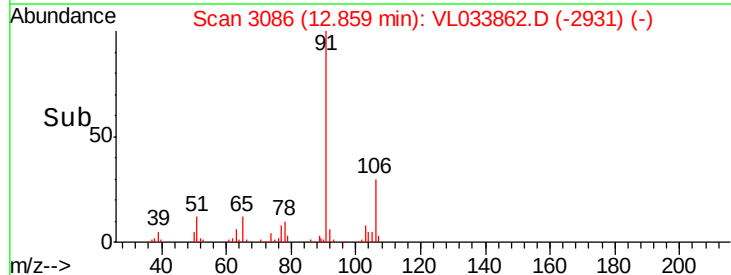
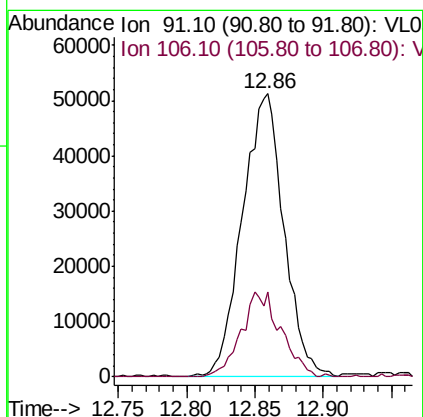
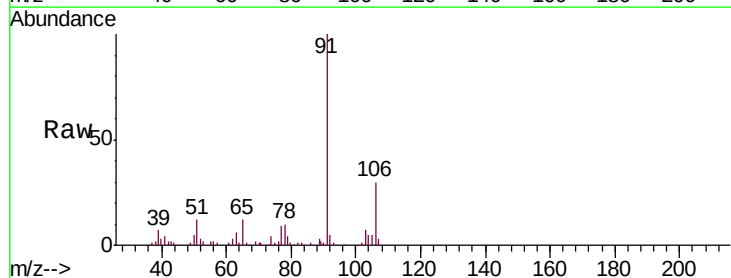
Instrument :
MSVOA_L
ClientSampleId :
SSG-1

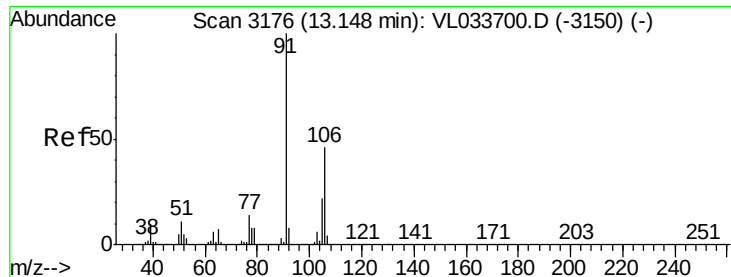
Tgt Ion: 117 Resp: 1775109
Ion Ratio Lower Upper
117 100
82 65.8 49.4 74.0
119 32.5 24.9 37.3



#58
Ethyl Benzene
Concen: 0.462 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion: 91 Resp: 108577
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9

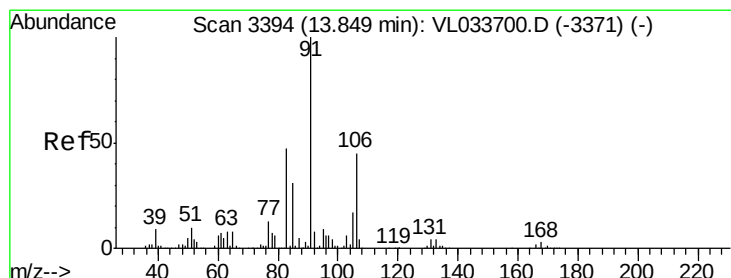
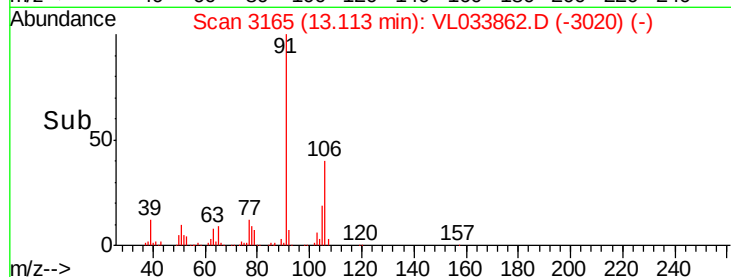
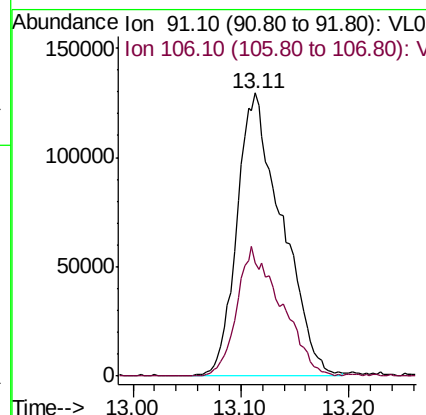
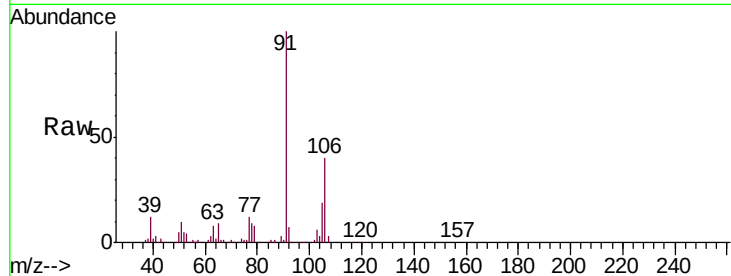




#59
m/p-Xylene
Concen: 1.828 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

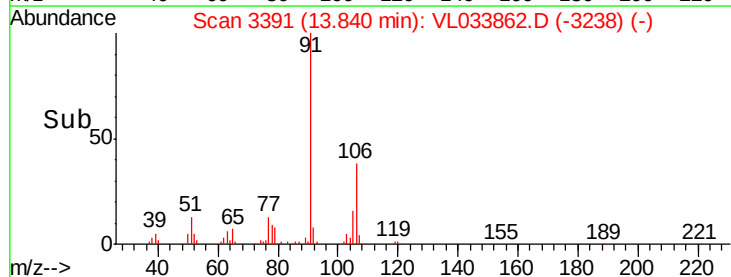
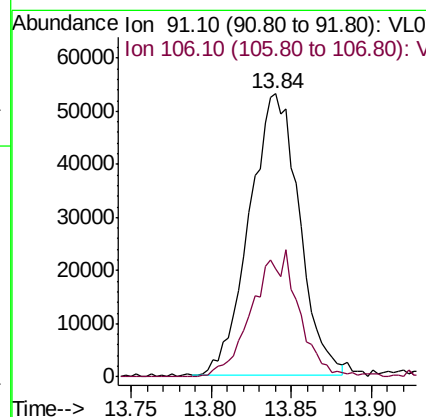
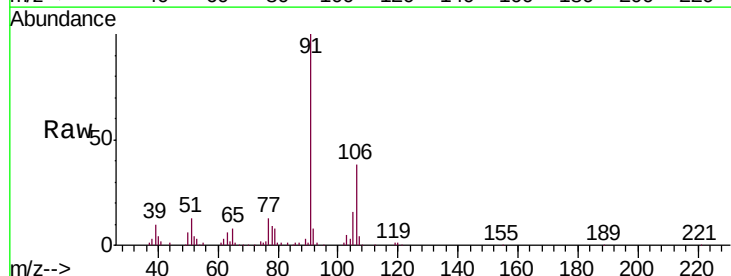
Instrument :
MSVOA_L
ClientSampled :
SSG-1

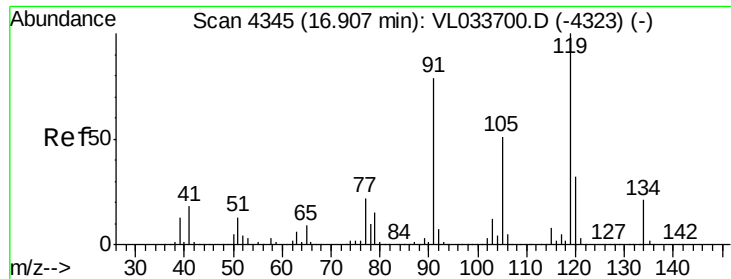
Tgt Ion: 91 Resp: 375671
Ion Ratio Lower Upper
91 100
106 44.9 35.8 53.6



#60
o-Xylene
Concen: 0.549 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion: 91 Resp: 113649
Ion Ratio Lower Upper
91 100
106 42.0 21.6 64.8





#65

tert-Butylbenzene

Concen: 0.035 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampled :

SSG-1

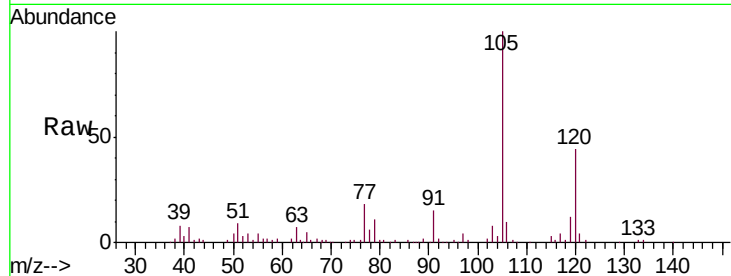
Tgt Ion: 119 Resp: 9030

Ion Ratio Lower Upper

119 100

91 271.6 65.3 97.9#

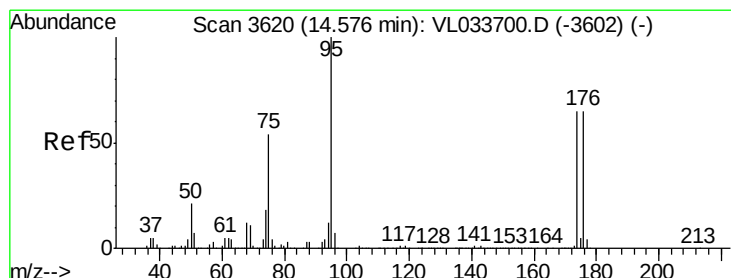
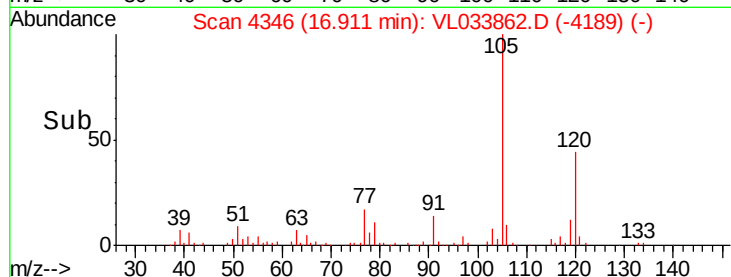
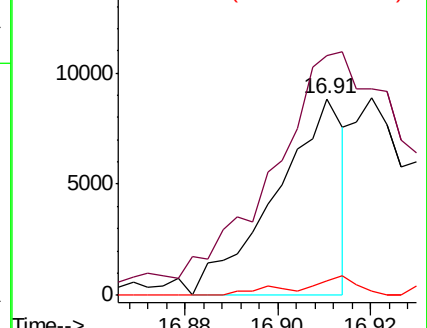
134 12.7 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.956 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

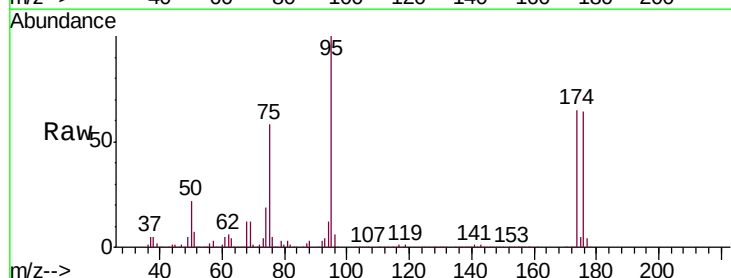
Tgt Ion: 95 Resp: 1432738

Ion Ratio Lower Upper

95 100

174 65.6 53.9 80.9

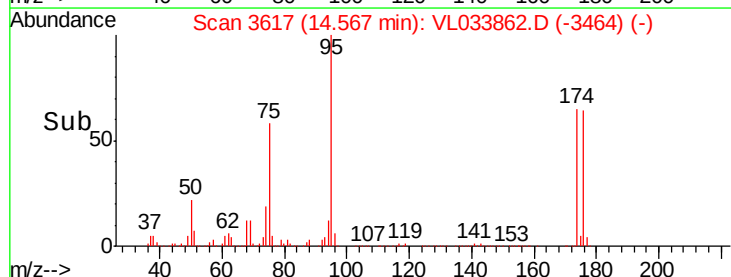
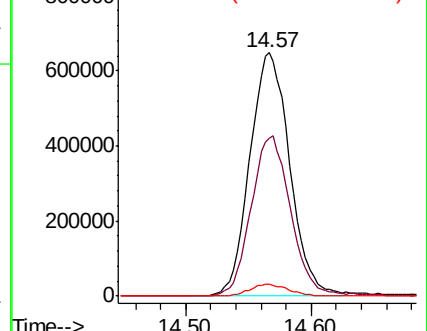
175 4.9 3.8 5.8

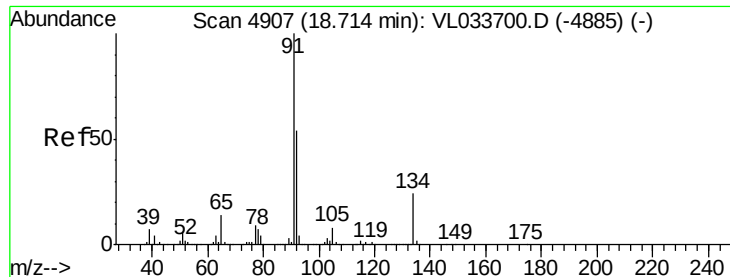


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

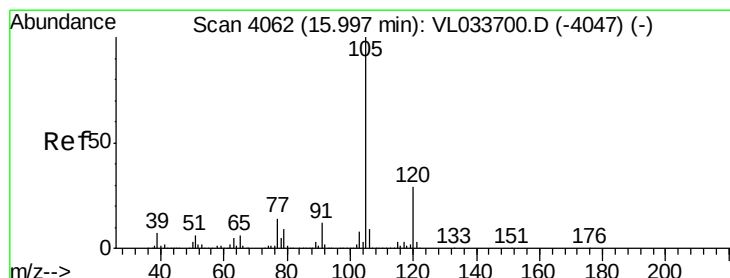
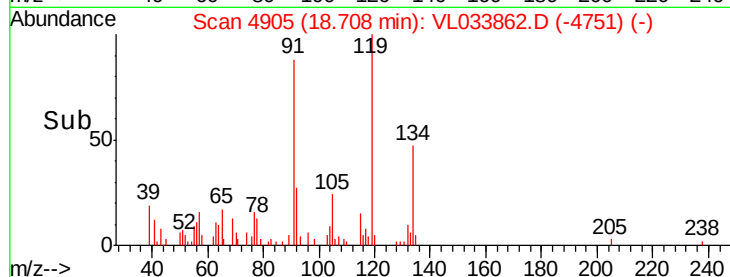
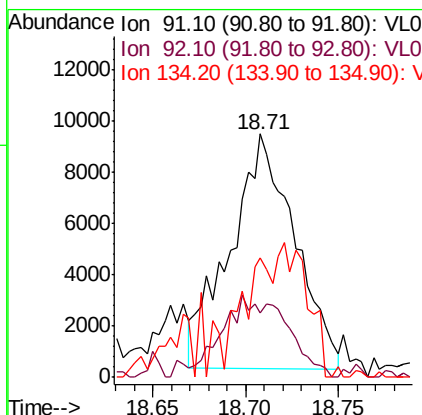
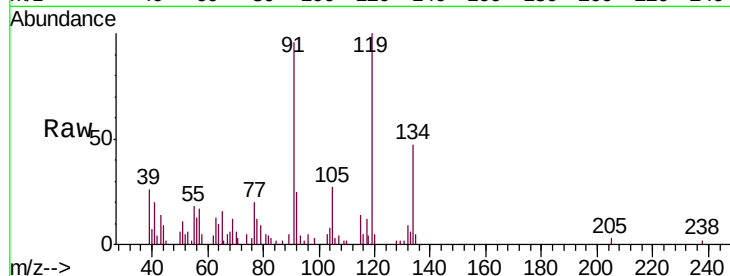




#70
n-Butylbenzene
Concen: 0.071 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

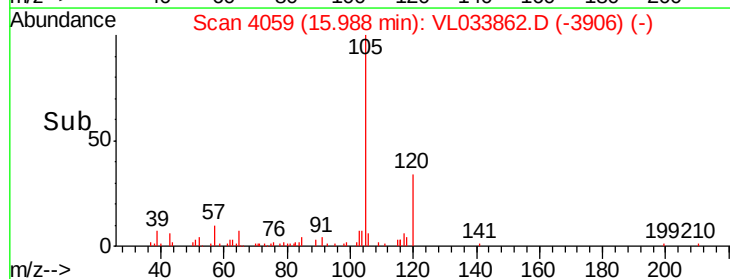
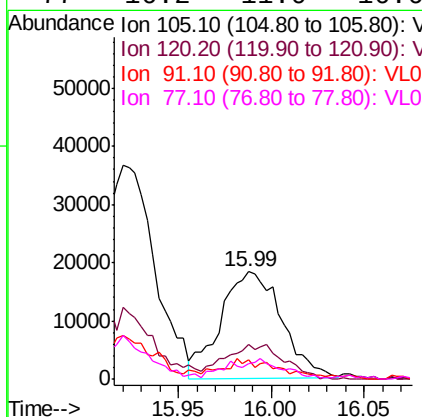
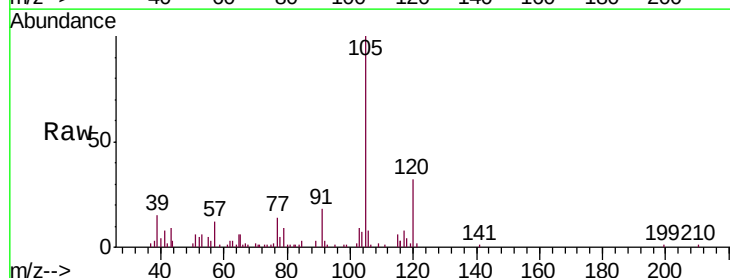
Instrument :
MSVOA_L
ClientSampleId :
SSG-1

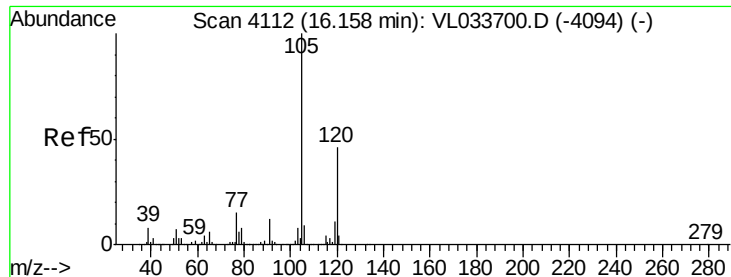
Tgt Ion: 91 Resp: 22282
Ion Ratio Lower Upper
91 100
92 38.3 42.6 63.8#
134 58.7 18.1 27.1#



#72
4-Ethyltoluene
Concen: 0.178 ppbv
RT: 15.99 min Scan# 4059
Delta R.T. -0.01 min
Lab File: VL033862.D
Acq: 30 May 2019 8:57

Tgt Ion: 105 Resp: 42166
Ion Ratio Lower Upper
105 100
120 31.3 23.1 34.7
91 18.9 10.4 15.6#
77 16.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.041 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

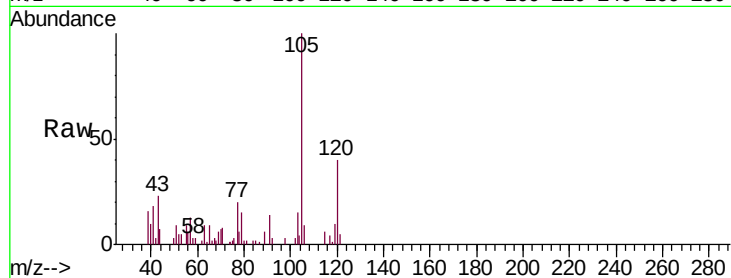
SSG-1

Tgt Ion:105 Resp: 9554

Ion Ratio Lower Upper

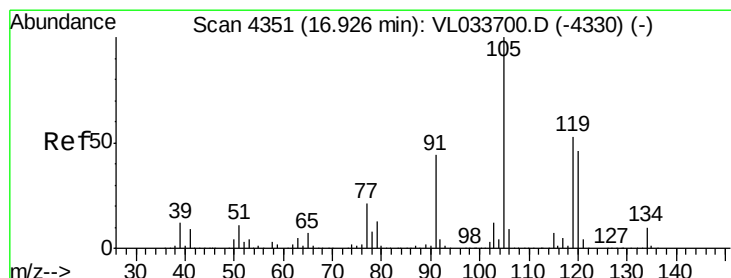
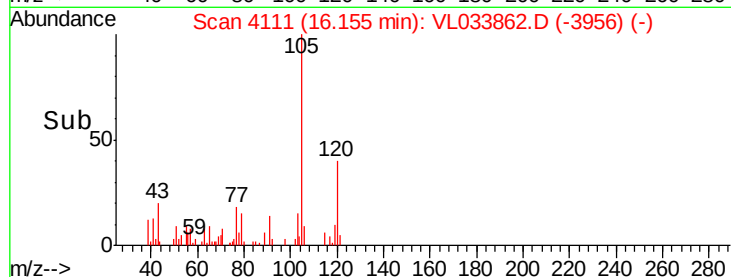
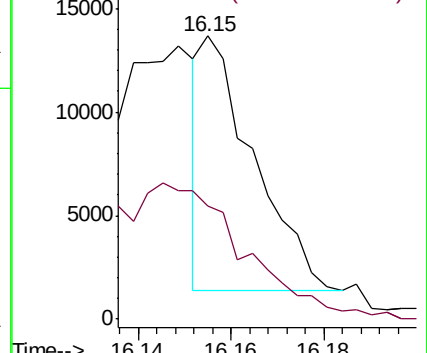
105 100

120 36.0 37.0 55.4#



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: 0.696 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Tgt Ion:105 Resp: 175001

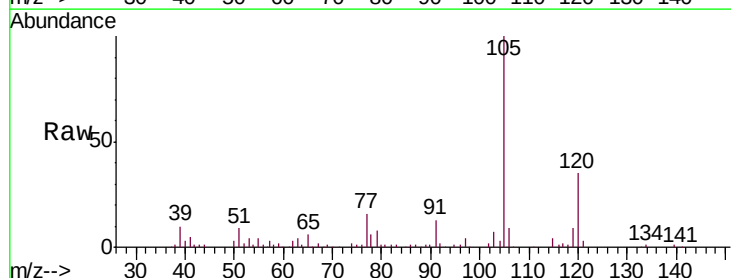
Ion Ratio Lower Upper

105 100

120 35.5 36.8 55.2#

91 12.7 35.4 53.0#

77 15.1 16.8 25.2#

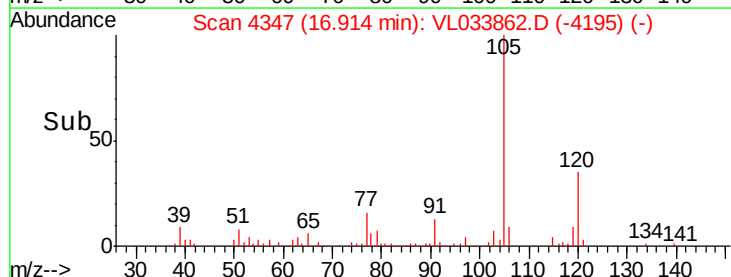
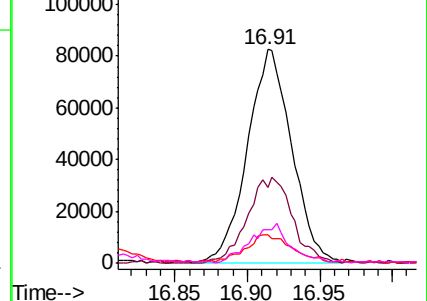


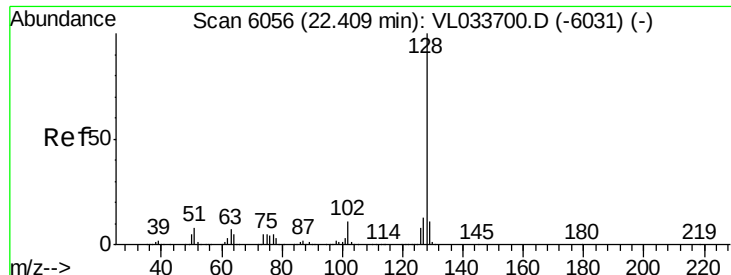
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO





#79

Naphthalene

Concen: 0.344 ppbv

RT: 22.40 min Scan# 6053

Delta R.T. -0.01 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Instrument :

MSVOA_L

ClientSampleId :

SSG-1

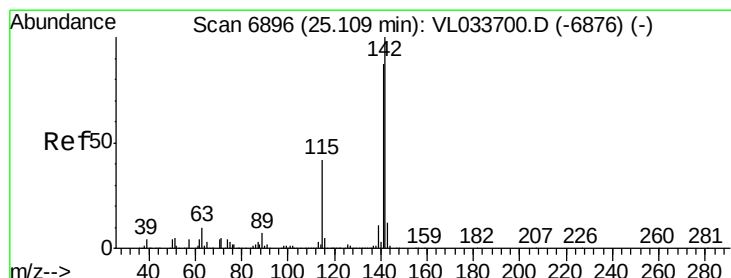
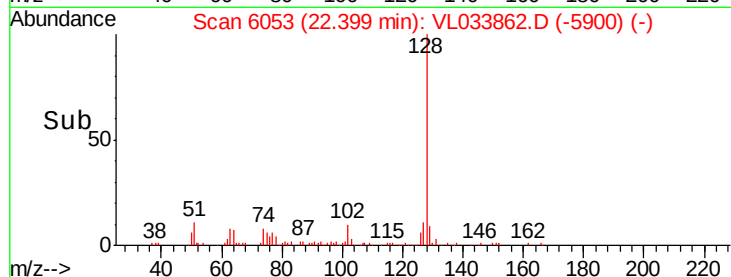
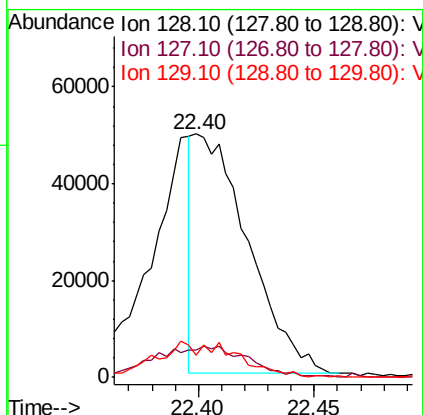
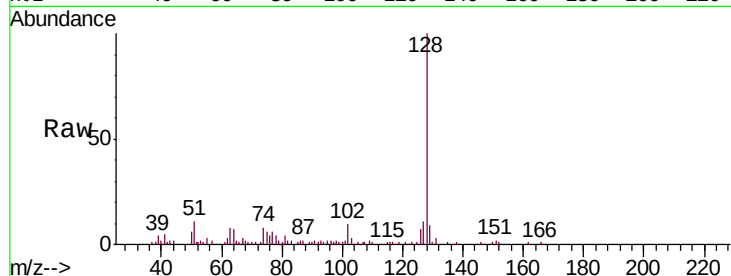
Tgt Ion:128 Resp: 80257

Ion Ratio Lower Upper

128 100

127 11.1 10.6 16.0

129 8.4 8.9 13.3#



#80

Naphthalene, 2-methyl-

Concen: 0.131 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL033862.D

Acq: 30 May 2019 8:57

Tgt Ion:142 Resp: 11664

Ion Ratio Lower Upper

142 100

141 91.4 67.2 100.8

115 50.0 34.1 51.1

