

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036752.D
 Acq On : 8 Apr 2021 15:58
 Operator : SY/AP
 Sample : M1981-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Quant Time: Apr 09 08:39:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1231331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2965414	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2709621	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2368306	10.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.70%

Target Compounds					Ovalue
3) Chlorodifluoromethane	2.98	51	28228	0.123 ppbv	# 65
4) Chloromethane	3.14	50	2616	0.032 ppbv	# 74
5) Vinyl Chloride	3.25	62	309820	3.708 ppbv	97
7) Chloroethane	3.29	64	1531	0.053 ppbv	# 42
9) Propene	3.00	41	161225	2.198 ppbv	# 17
10) Heptane	8.12	43	203627	1.090 ppbv	94
13) Ethanol	3.61	45	4652	0.533 ppbv	# 1
15) Acetone	3.84	43	5987546	49.406 ppbv	100
16) 1,3-Butadiene	3.30	39	166408	1.972 ppbv	# 26
17) tert-Butyl alcohol	4.30	59	6256	0.059 ppbv	# 72
19) Isopropyl Alcohol	3.97	45	352087	5.281 ppbv	# 1
20) Methylene Chloride	4.34	84	103712	1.828 ppbv	95
21) Allyl Chloride	4.36	41	11568	0.120 ppbv	# 1
22) trans-1,2-Dichloroethene	4.88	96	24085	0.446 ppbv	89
23) Vinyl Acetate	5.05	43	45119	0.218 ppbv	# 1
25) Ethyl Acetate	5.68	43	190070	0.660 ppbv	# 81
26) Hexane	5.68	57	247983	1.855 ppbv	# 46
27) Carbon Disulfide	4.55	76	189431	1.438 ppbv	94
30) Cyclohexane	7.12	84	177073	1.633 ppbv	# 83
31) cis-1,2-Dichloroethene	5.55	61	609402	4.712 ppbv	97
34) 2-Butanone	5.24	43	1245654	8.605 ppbv	99
36) Benzene	6.89	78	420023	1.536 ppbv	96
38) Trichloroethene	7.83	130	682408	6.412 ppbv	96
39) 1,2-Dichloropropane	7.17	63	776204	6.997 ppbv	# 24
42) Bromodichloromethane	7.79	83	83975	0.384 ppbv	# 27
43) Methyl Methacrylate	8.11	69	5326	0.058 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.87	57	3119996	6.482 ppbv	# 74
47) 1,1,2-Trichloroethane	9.56	97	15942	0.142 ppbv	# 52
50) 4-Methyl-2-Pentanone	8.75	43	207692	0.992 ppbv	97
51) 2-Hexanone	10.11	43	872512	8.255 ppbv	# 36
53) Toluene	9.80	91	286324	0.983 ppbv	100
57) Chlorobenzene	12.15	112	78762	0.342 ppbv	# 70
58) Ethyl Benzene	12.71	91	325621	0.826 ppbv	95
59) m/p-Xylene	12.97	91	737724	2.146 ppbv	93
60) o-Xylene	13.69	91	697774	2.099 ppbv	99
61) Styrene	13.53	104	5900	0.035 ppbv	# 26
62) Isopropylbenzene	14.66	105	82505	0.184 ppbv	# 49
63) 1,1,2,2-Tetrachloroethane	13.67	83	12589	0.050 ppbv	# 24
64) n-propylbenzene	15.56	120	20052	0.183 ppbv	# 1
65) tert-Butylbenzene	16.75	119	33553	0.086 ppbv	# 24
66) Benzyl Chloride	16.99	91	2587	0.060 ppbv	# 1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036752.D
 Acq On : 8 Apr 2021 15:58
 Operator : SY/AP
 Sample : M1981-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Quant Time: Apr 09 08:39:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

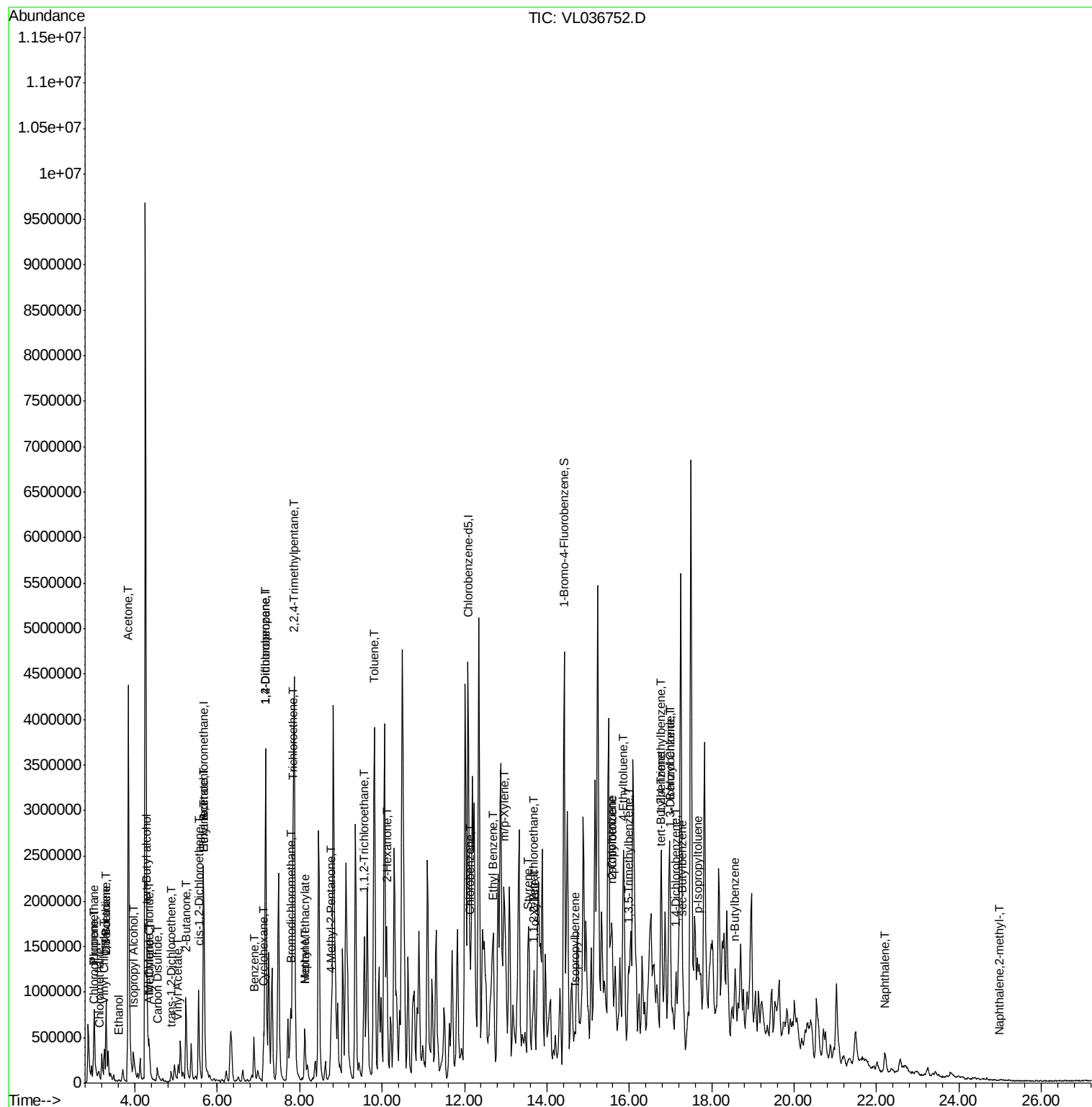
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) sec-Butylbenzene	17.30	105	135172	0.247	ppbv	99
69) p-Isopropyltoluene	17.65	119	209449	0.489	ppbv	94
70) n-Butylbenzene	18.55	91	45550	0.103	ppbv #	41
71) 2-Chlorotoluene	15.56	91	185986	0.554	ppbv	73
72) 4-Ethyltoluene	15.84	105	228984	0.629	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.00	105	406083	1.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	307730	0.846	ppbv #	68
75) 1,3-Dichlorobenzene	17.00	146	8936	0.044	ppbv #	22
76) 1,4-Dichlorobenzene	17.14	146	18531	0.091	ppbv #	1
79) Naphthalene	22.20	128	26736	0.126	ppbv #	92
80) Naphthalene,2-methyl-	24.97	142	2218	0.053	ppbv #	50

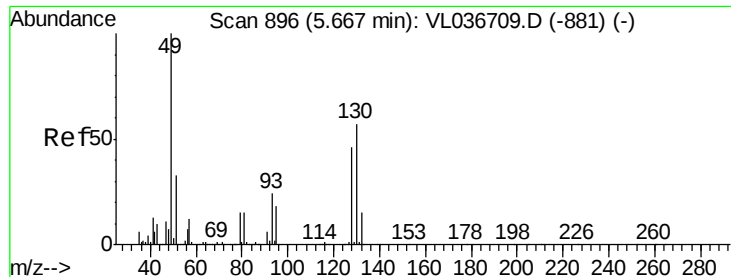
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036752.D
Acq On : 8 Apr 2021 15:58
Operator : SY/AP
Sample : M1981-02 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Apr 09 08:39:13 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

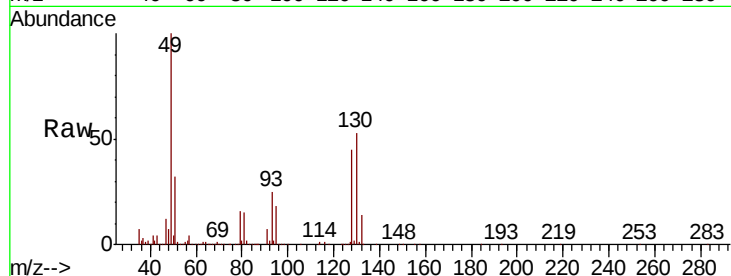
Tot Ion: 49 Resp: 1231331

Ion Ratio Lower Upper

49 100

128 45.5 23.5 70.6

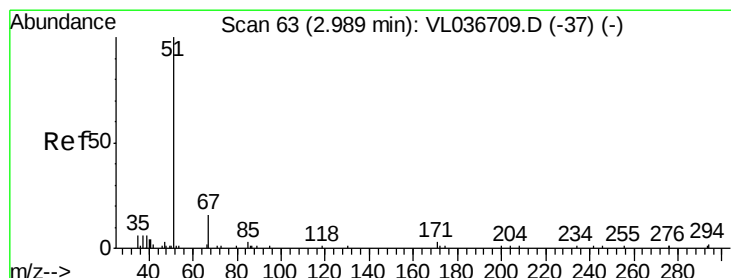
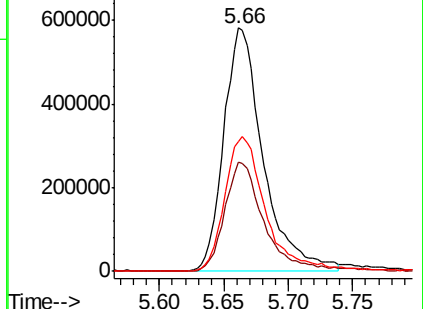
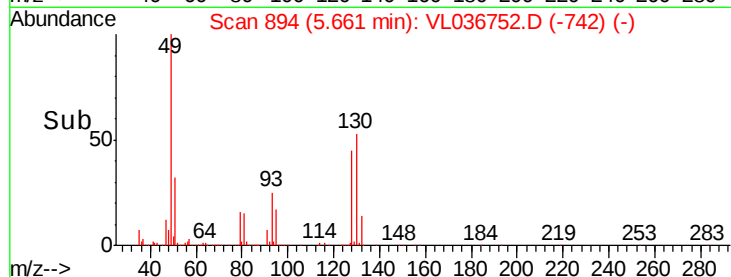
130 59.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.123 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036752.D

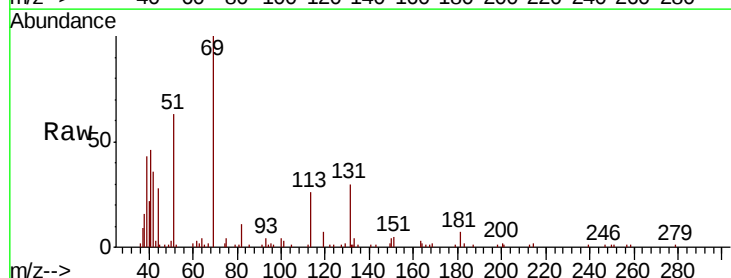
Acq: 8 Apr 2021 15:58

Tgt Ion: 51 Resp: 28228

Ion Ratio Lower Upper

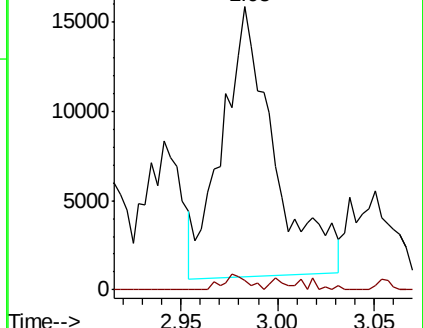
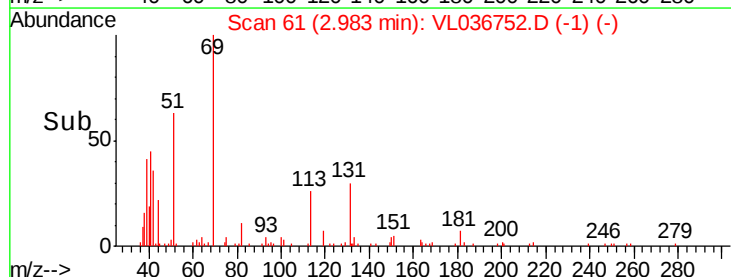
51 100

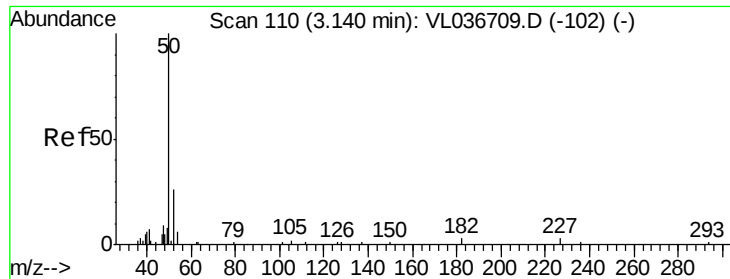
67 2.7 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

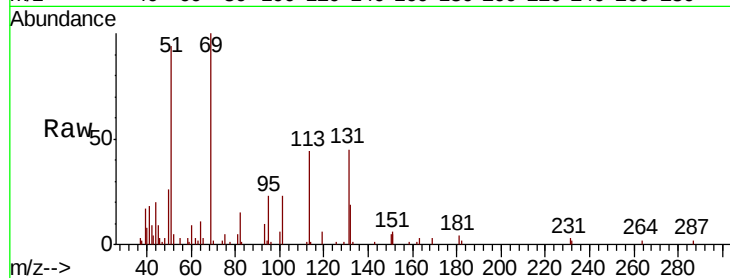
SG-4

Tot Ion: 50 Resp: 2616

Ion Ratio Lower Upper

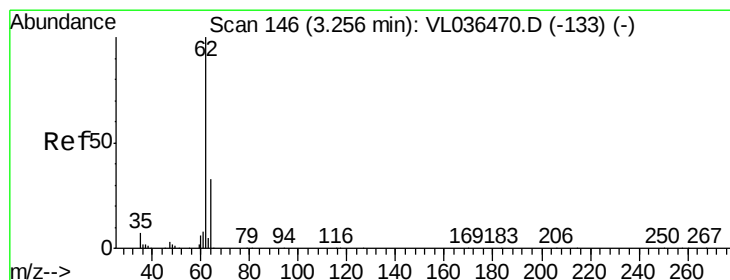
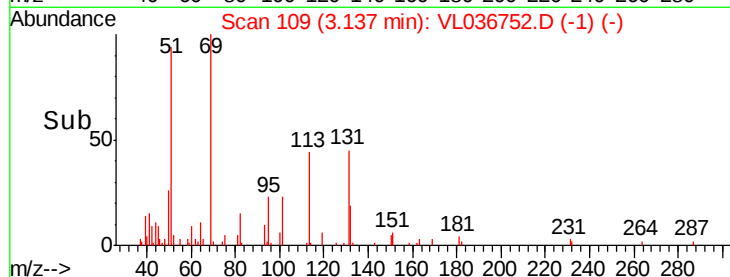
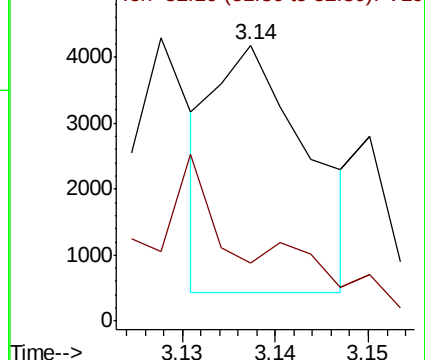
50 100

52 18.9 27.0 40.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 3.708 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036752.D

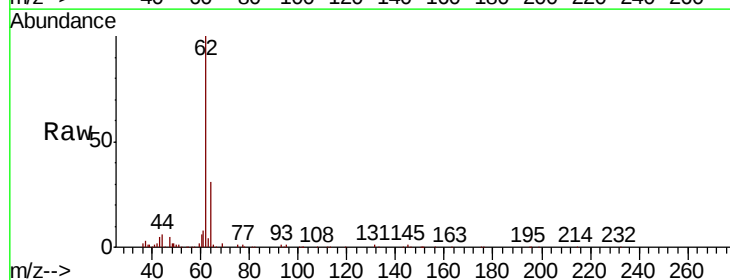
Acq: 8 Apr 2021 15:58

Tgt Ion: 62 Resp: 309820

Ion Ratio Lower Upper

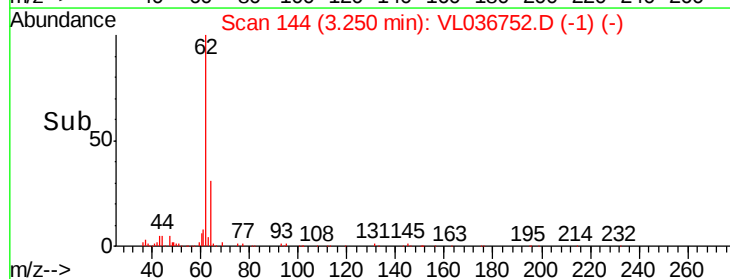
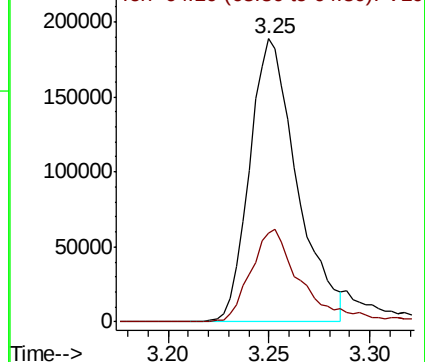
62 100

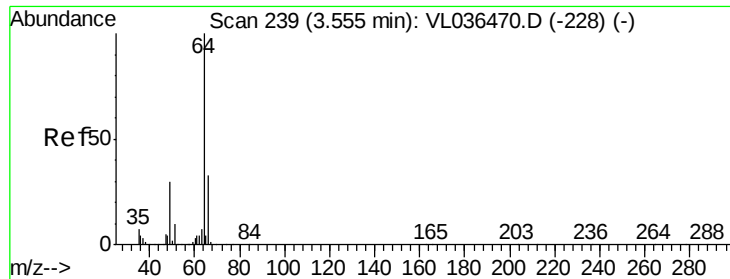
64 31.1 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.053 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.26 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

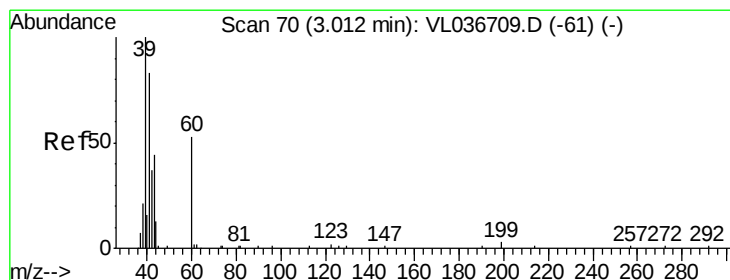
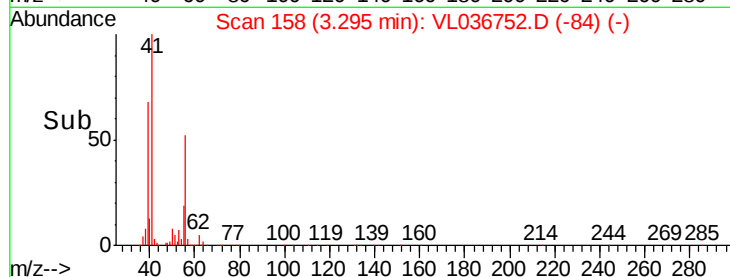
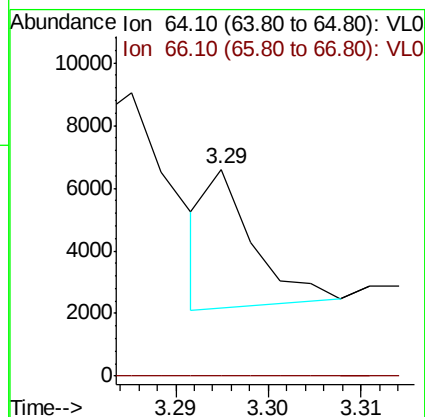
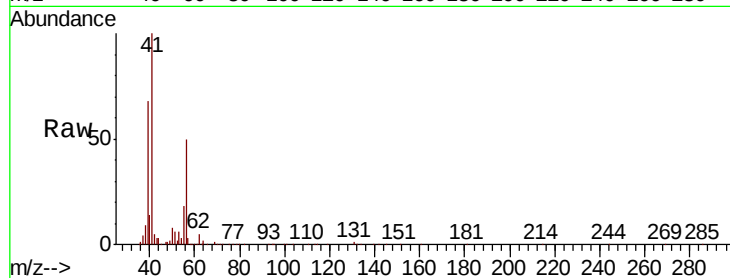
SG-4

Tot Ion: 64 Resp: 1531

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



#9

Propene

Concen: 2.198 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036752.D

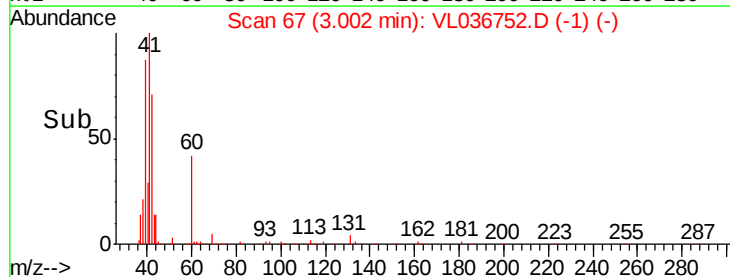
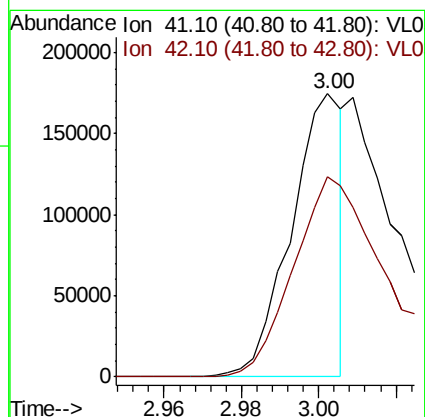
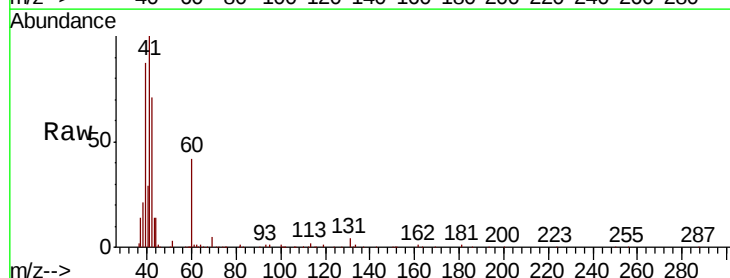
Acq: 8 Apr 2021 15:58

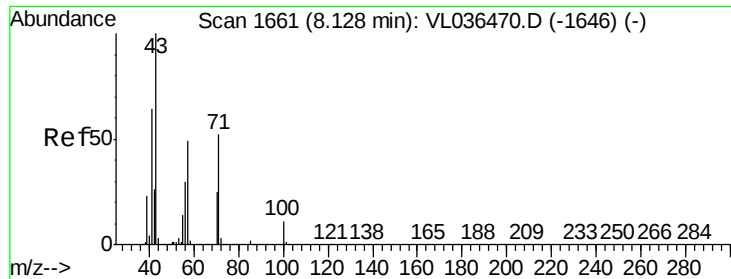
Tgt Ion: 41 Resp: 161225

Ion Ratio Lower Upper

41 100

42 139.9 57.0 85.4#





#10

Heptane

Concen: 1.090 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

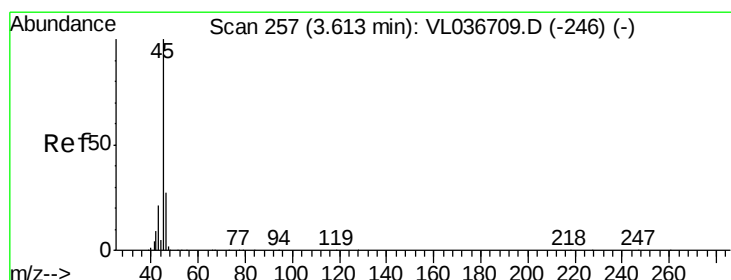
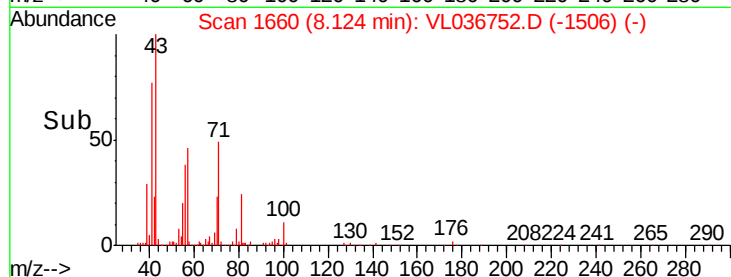
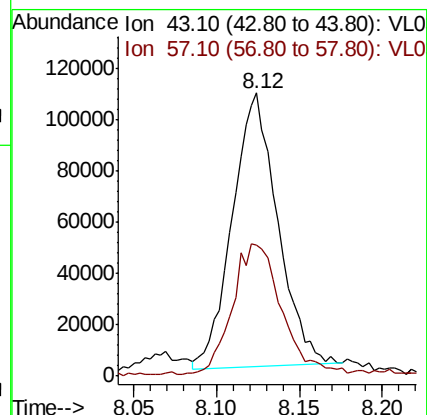
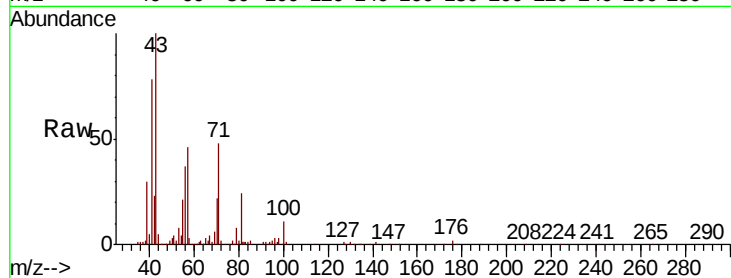
SG-4

Tot Ion: 43 Resp: 203627

Ion Ratio Lower Upper

43 100

57 53.1 39.0 58.6



#13

Ethanol

Concen: 0.533 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036752.D

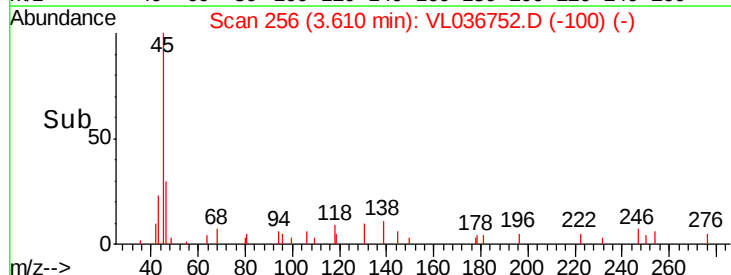
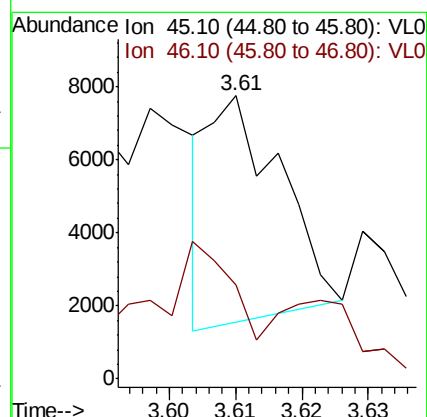
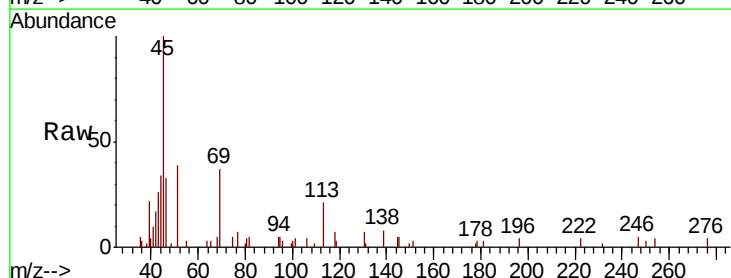
Acq: 8 Apr 2021 15:58

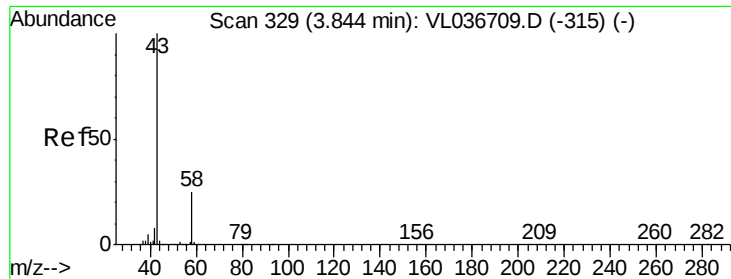
Tgt Ion: 45 Resp: 4652

Ion Ratio Lower Upper

45 100

46 161.3 16.6 66.2#





#15

Acetone

Concen: 49.406 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

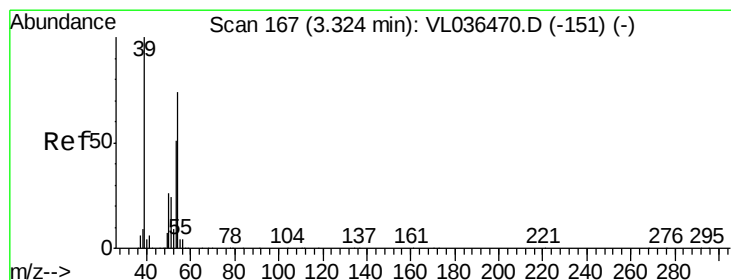
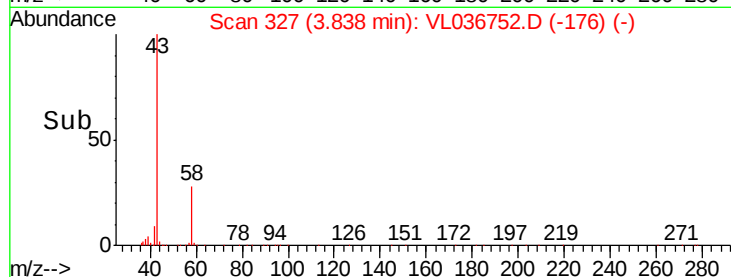
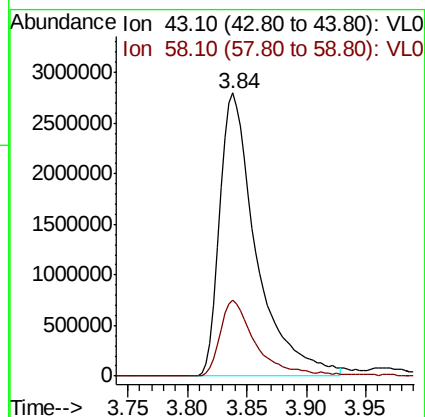
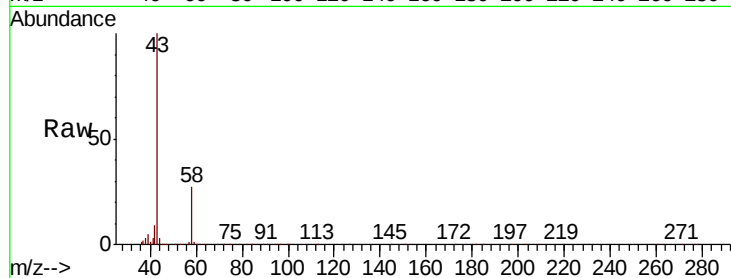
SG-4

Tot Ion: 43 Resp: 5987546

Ion Ratio Lower Upper

43 100

58 26.3 21.2 31.8



#16

1,3-Butadiene

Concen: 1.972 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL036752.D

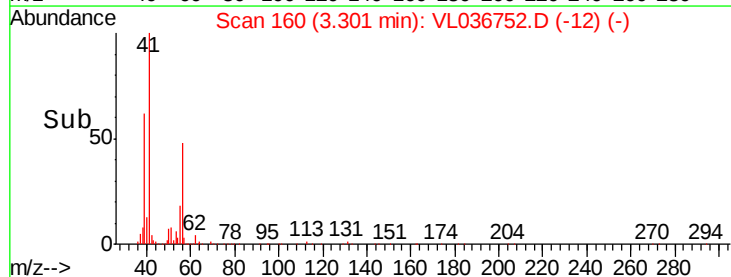
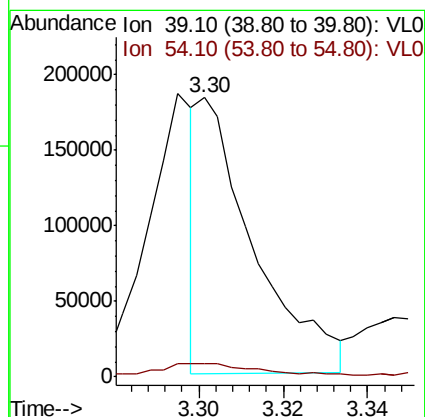
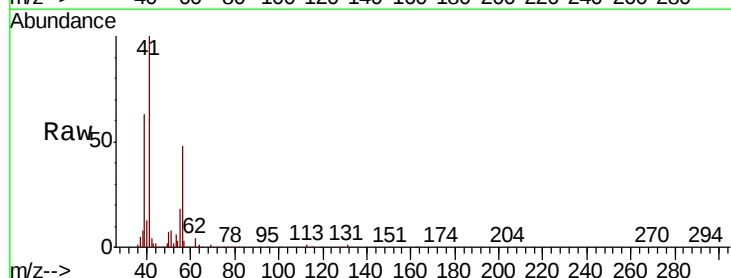
Acq: 8 Apr 2021 15:58

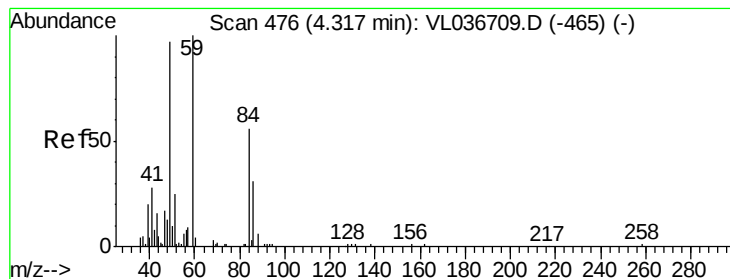
Tgt Ion: 39 Resp: 166408

Ion Ratio Lower Upper

39 100

54 11.2 58.8 88.2#



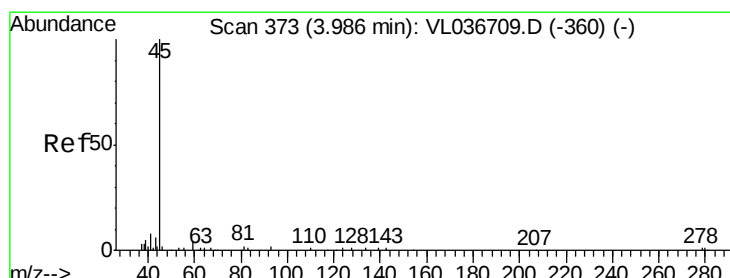
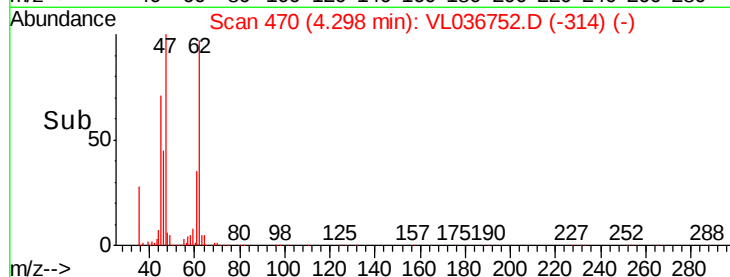
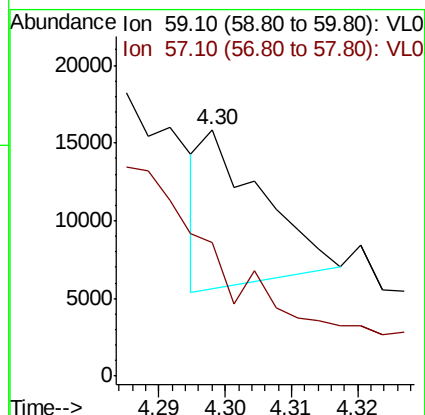
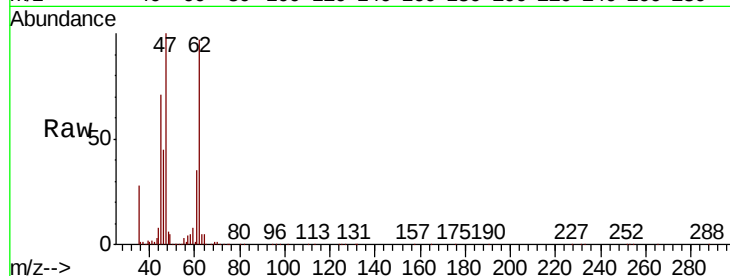


#17

tert-Butyl alcohol
 Concen: 0.059 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

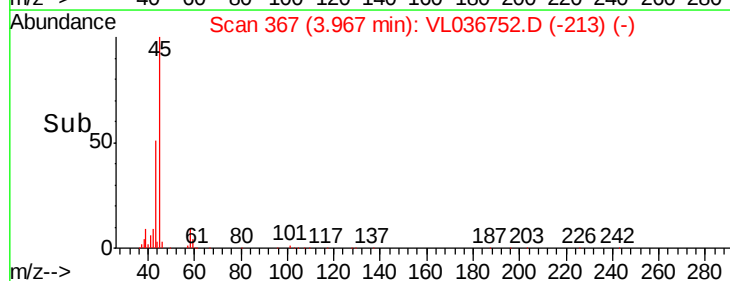
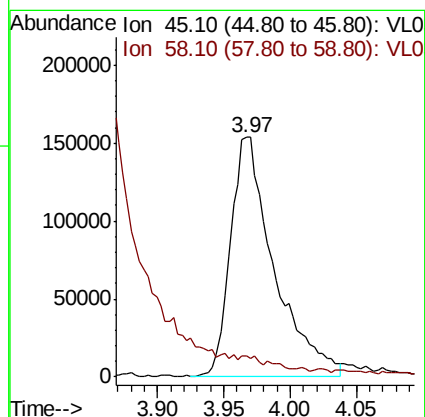
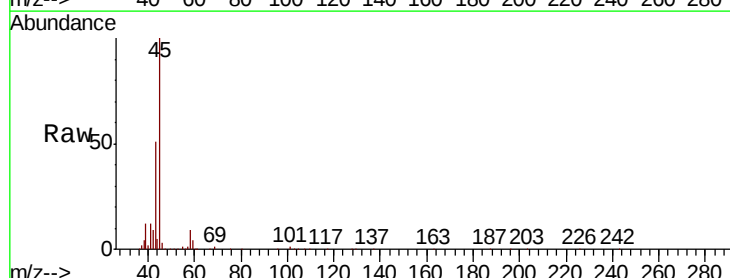
Tot Ion: 59 Resp: 6256
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

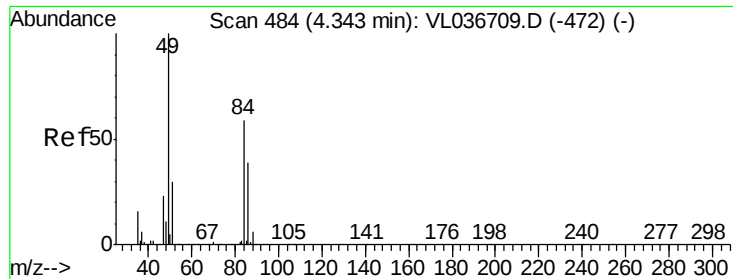


#19

Isopropyl Alcohol
 Concen: 5.281 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

Tgt Ion: 45 Resp: 352087
 Ion Ratio Lower Upper
 45 100
 58 461.5 2.9 4.3#

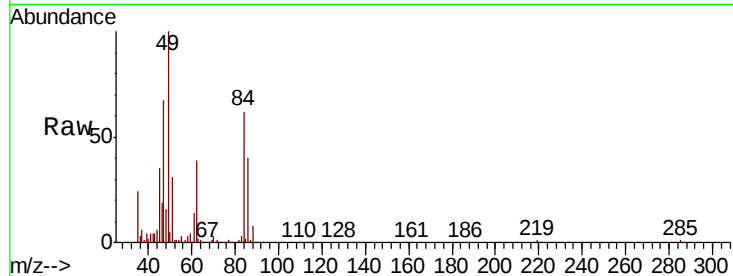




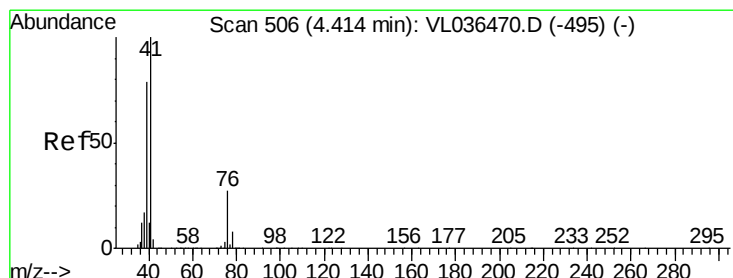
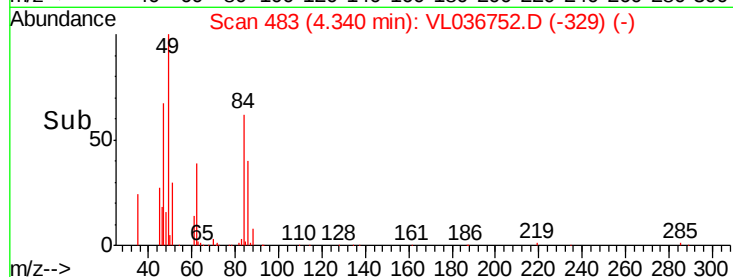
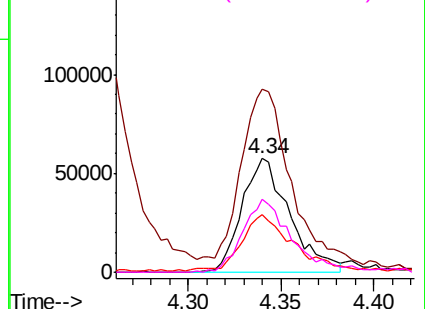
#20
Methylene Chloride
Concen: 1.828 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Instrument :
MSVOA_L
ClientSampled :
SG-4

Tot Ion:	84	Resp:	103712
Ion	Ratio	Lower	Upper
84	100		
49	146.4	122.9	184.3
51	48.3	36.9	55.3
86	63.6	48.2	72.4

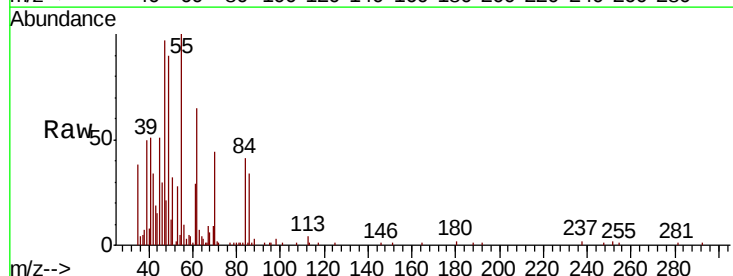


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

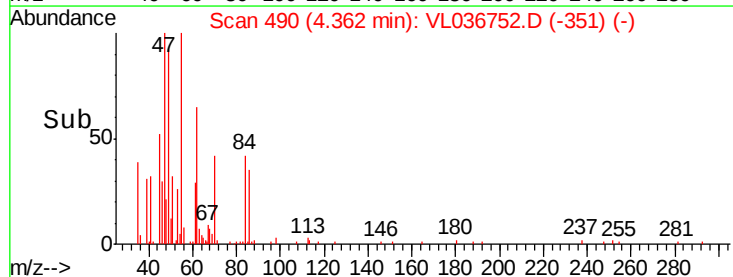
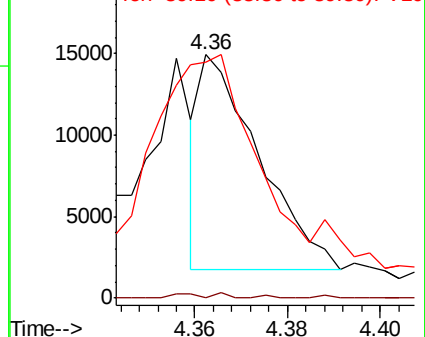


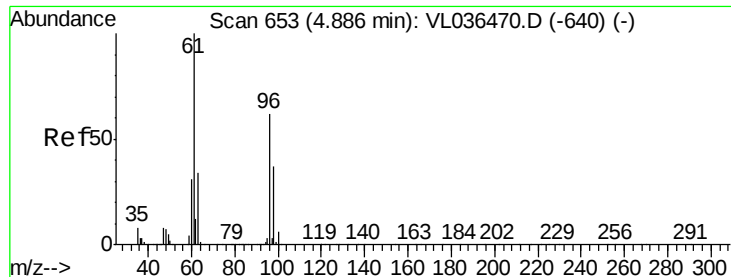
#21
Allyl Chloride
Concen: 0.120 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.05 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Tgt Ion:	41	Resp:	11568
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	232.3	67.3	100.9#



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





#22

trans-1,2-Dichloroethene

Concen: 0.446 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

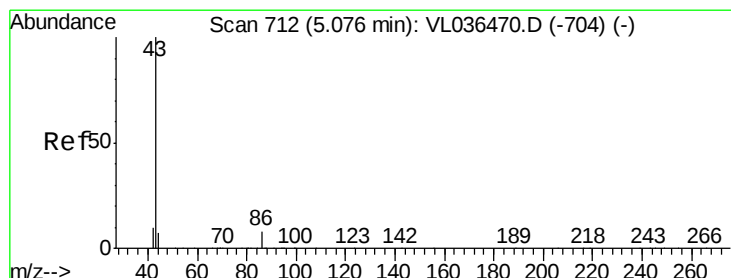
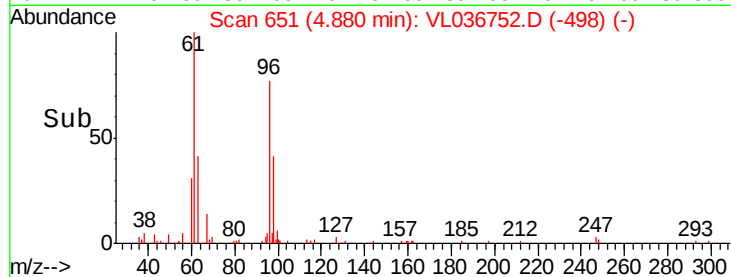
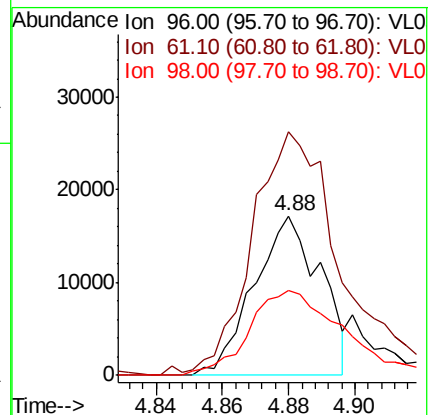
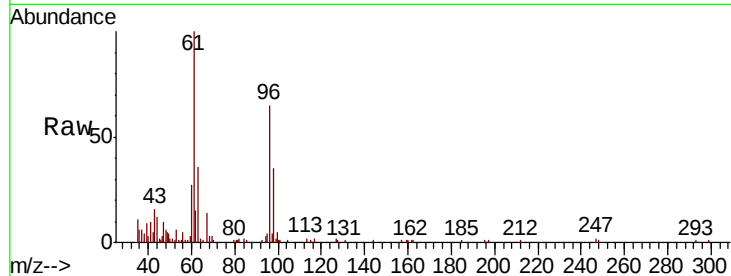
Tot Ion: 96 Resp: 24085

Ion Ratio Lower Upper

96 100

61 147.2 129.4 194.0

98 50.8 48.2 72.4



#23

Vinyl Acetate

Concen: 0.218 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.03 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Tgt Ion: 43 Resp: 45119

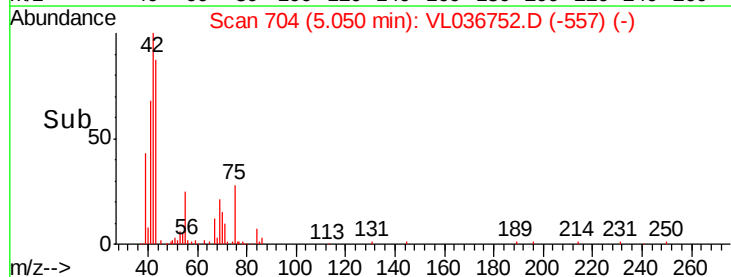
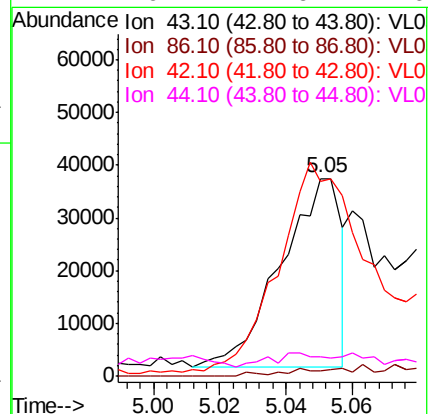
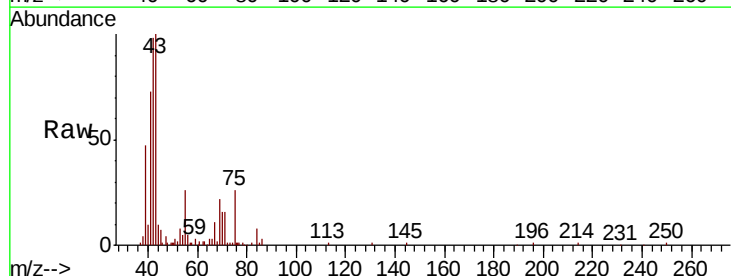
Ion Ratio Lower Upper

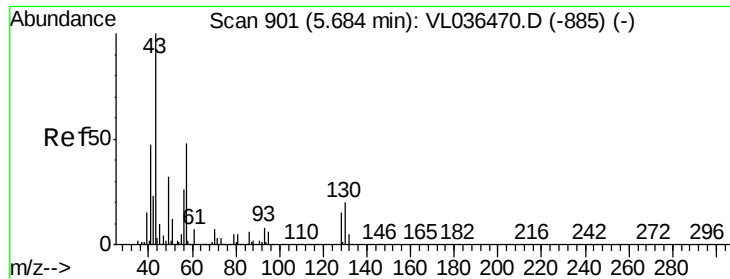
43 100

86 2.7 5.4 8.0#

42 99.9 8.5 12.7#

44 0.4 4.6 7.0#





#25

Ethyl Acetate

Concen: 0.660 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion: 43 Resp: 190070

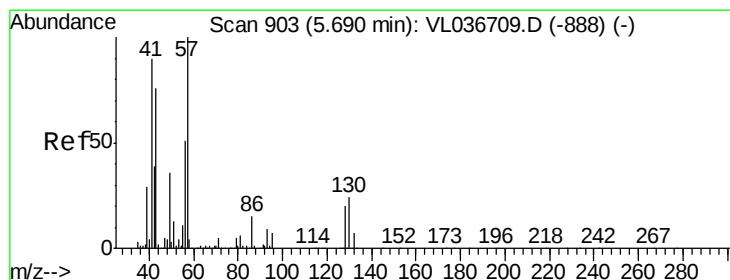
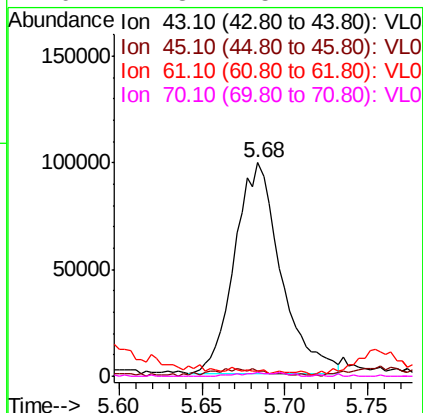
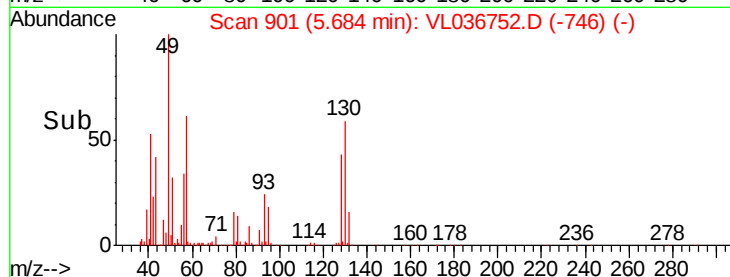
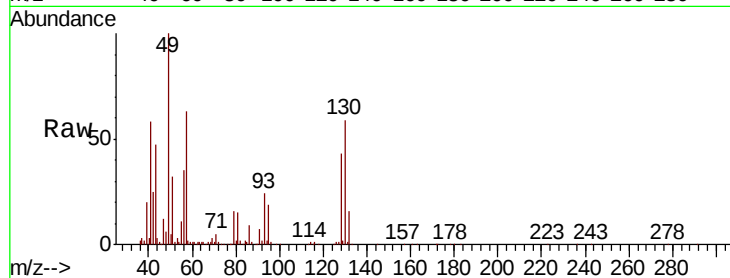
Ion Ratio Lower Upper

43 100

45 4.1 7.9 11.9#

61 0.0 7.4 11.2#

70 1.8 5.1 7.7#



#26

Hexane

Concen: 1.855 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Tgt Ion: 57 Resp: 247983

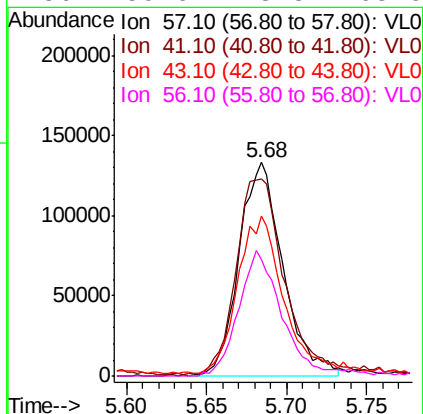
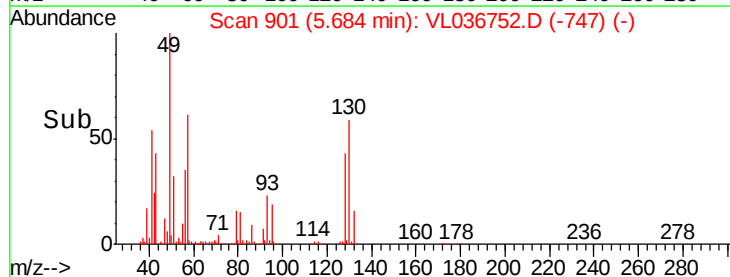
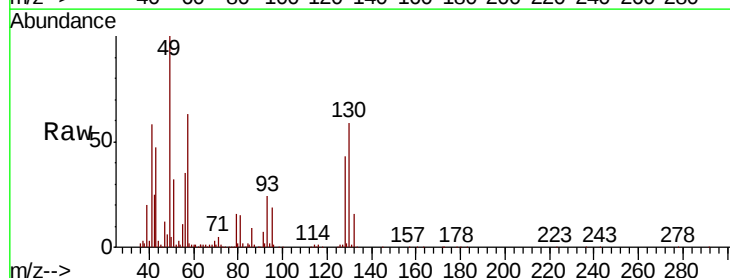
Ion Ratio Lower Upper

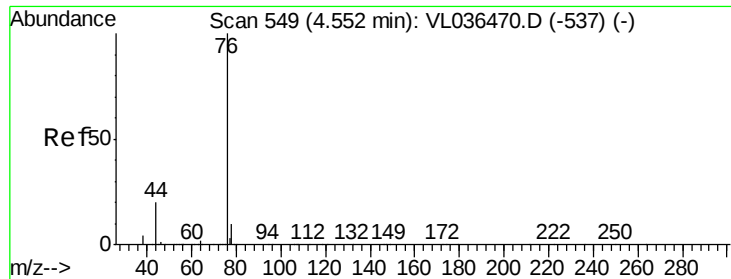
57 100

41 104.9 77.2 115.8

43 78.6 173.8 260.6#

56 59.6 43.8 65.6





#27

Carbon Disulfide

Concen: 1.438 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

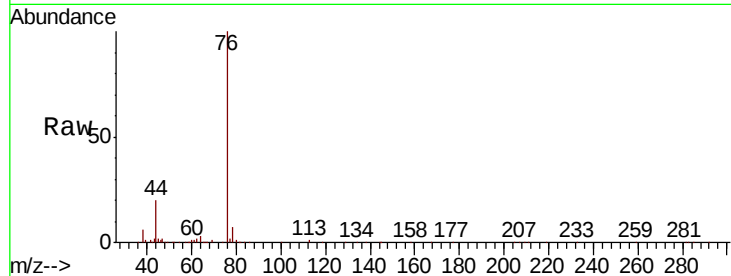
Tot Ion: 76 Resp: 189431

Ion Ratio Lower Upper

76 100

44 25.5 17.5 26.3

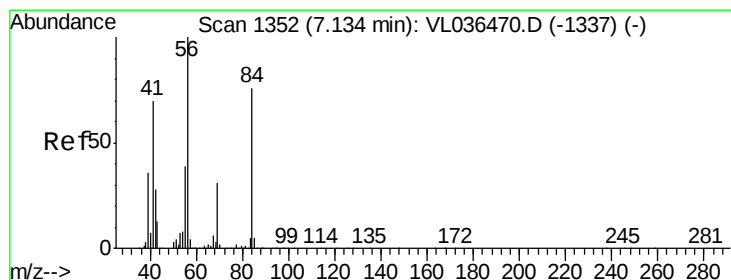
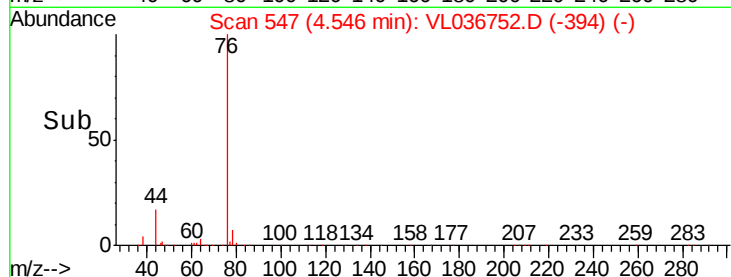
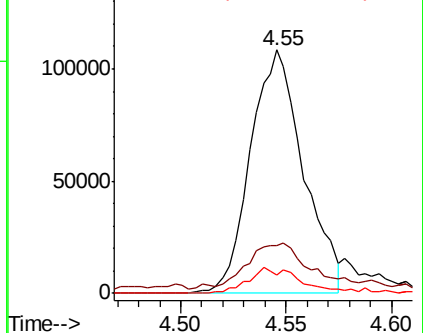
78 11.4 8.6 13.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 1.633 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

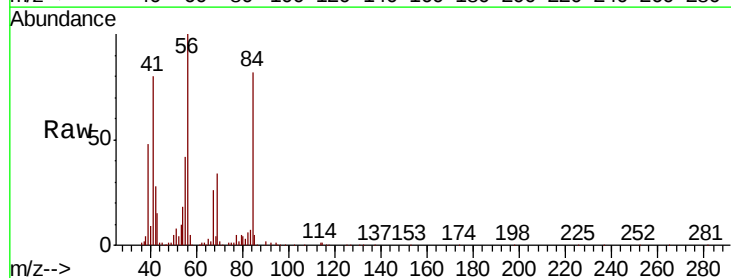
Tgt Ion: 84 Resp: 177073

Ion Ratio Lower Upper

84 100

56 173.1 114.6 171.8#

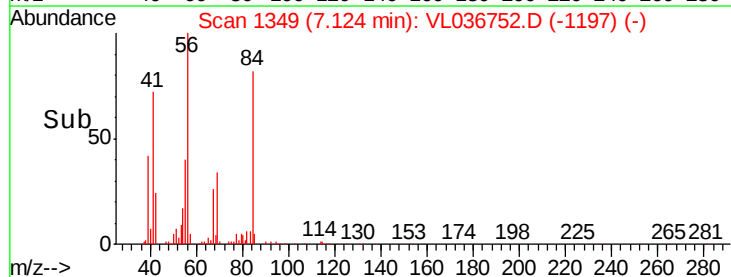
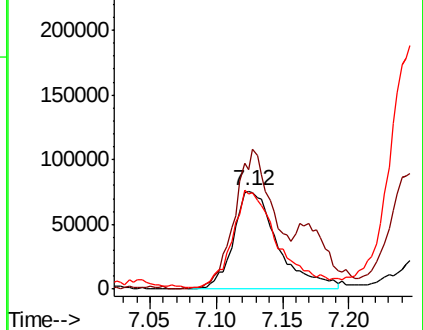
41 101.0 75.3 112.9

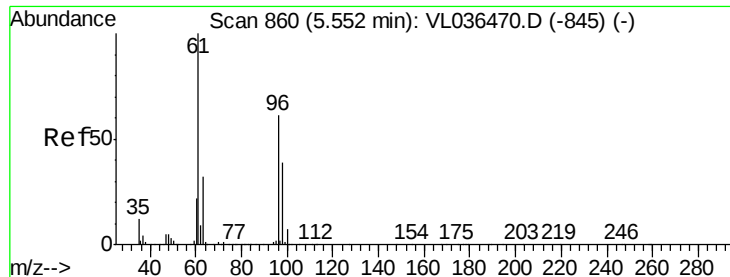


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



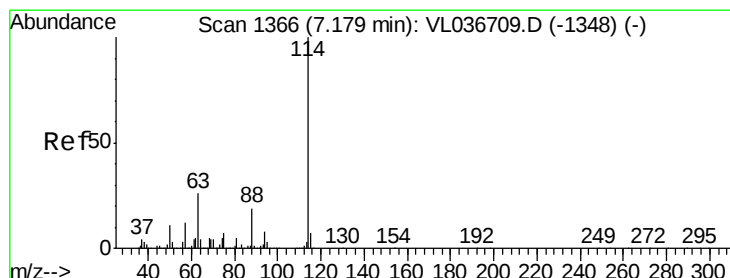
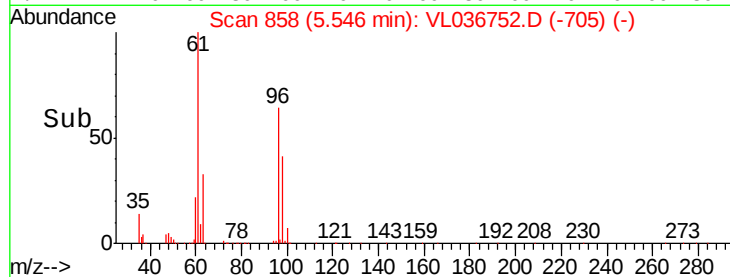
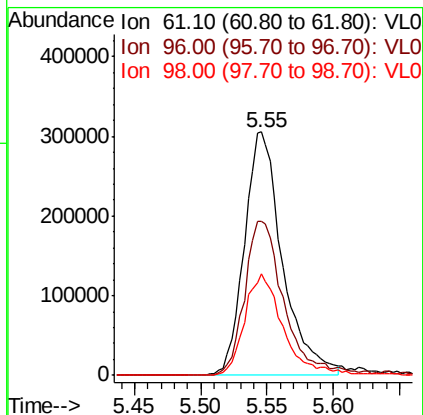
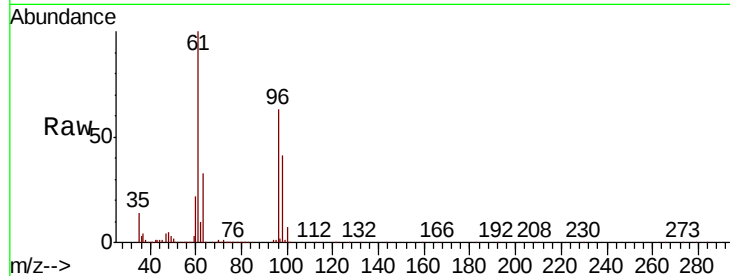


#31

cis-1,2-Dichloroethene
Concen: 4.712 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Instrument :
MSVOA_L
ClientSampleId :
SG-4

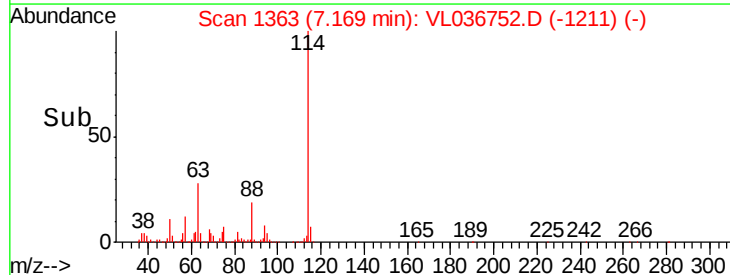
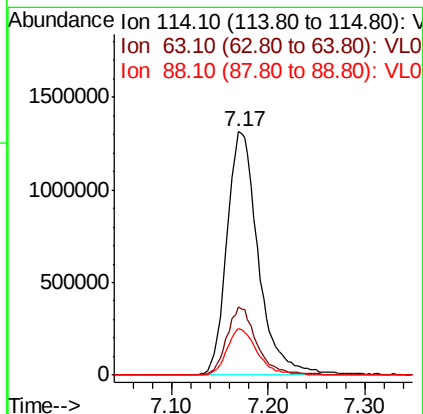
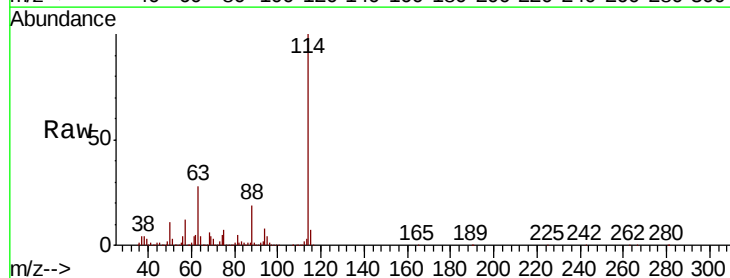
Tot Ion	61	Resp	609402
Ion Ratio	Lower	Upper	
61	100		
96	63.4	48.7	73.1
98	41.5	31.4	47.0

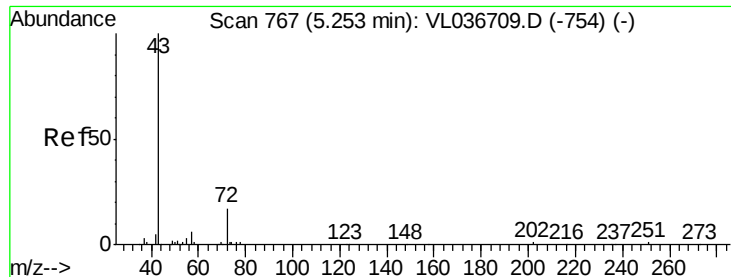


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Tgt Ion	114	Resp	2965414
Ion Ratio	Lower	Upper	
114	100		
63	27.2	22.4	33.6
88	18.8	15.4	23.0

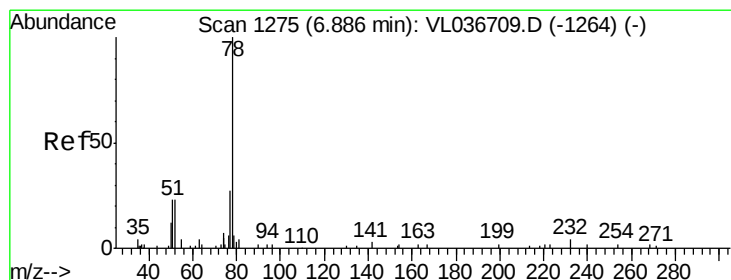
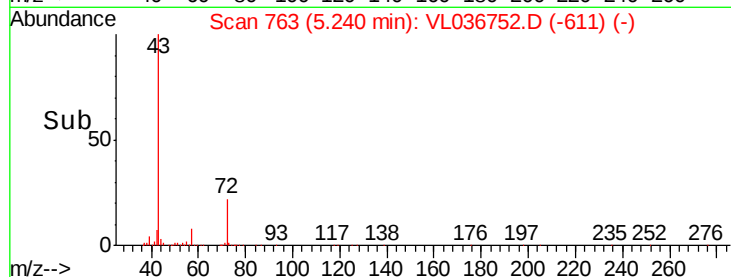
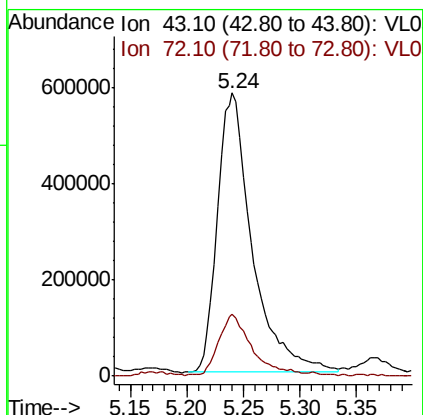
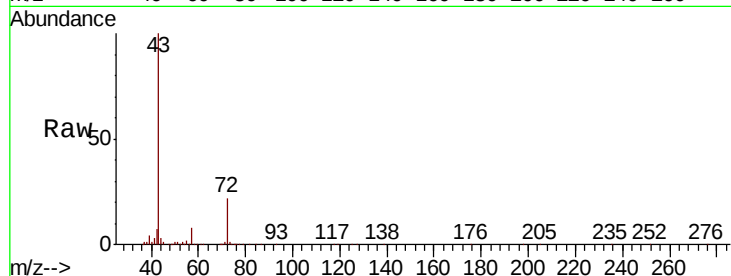




#34
2-Butanone
Concen: 8.605 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

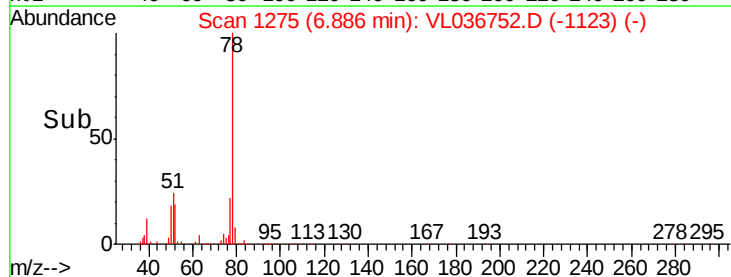
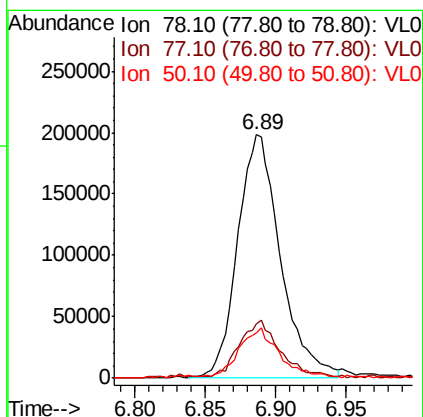
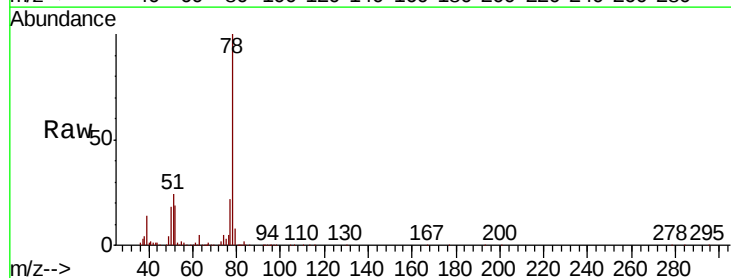
Instrument :
MSVOA_L
ClientSampleId :
SG-4

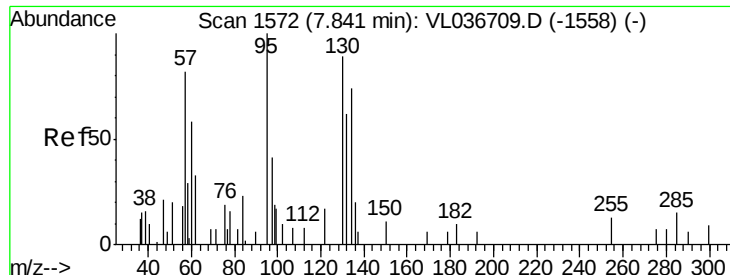
Tot Ion: 43 Resp: 1245654
Ion Ratio Lower Upper
43 100
72 22.0 17.0 25.6



#36
Benzene
Concen: 1.536 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Tgt Ion: 78 Resp: 420023
Ion Ratio Lower Upper
78 100
77 21.6 18.0 27.0
50 17.8 16.5 24.7





#38

Trichloroethene

Concen: 6.412 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion:130 Resp: 682408

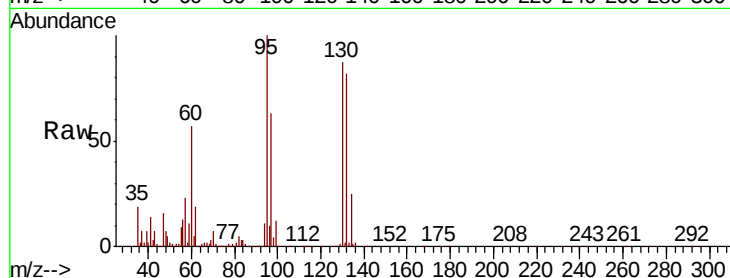
Ion Ratio Lower Upper

130 100

95 114.6 95.7 143.5

132 94.1 76.2 114.4

97 72.6 61.8 92.6

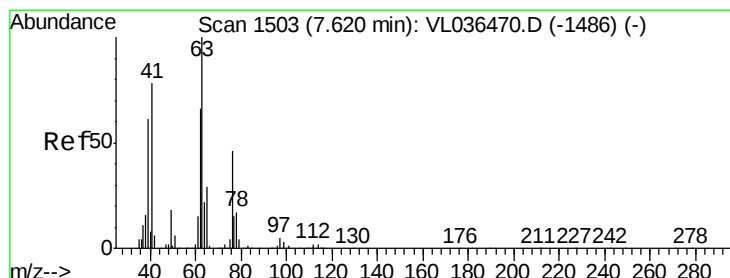
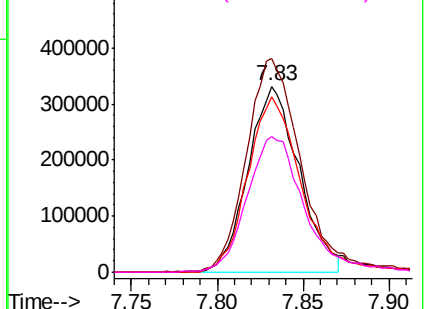
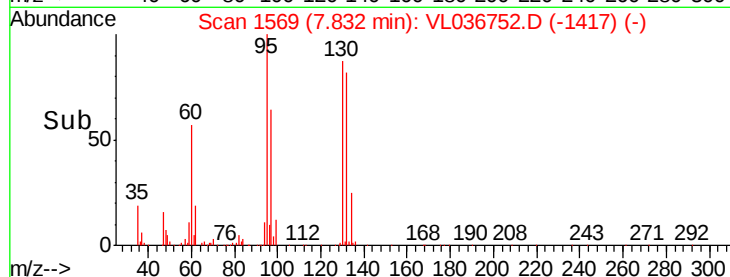


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.997 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

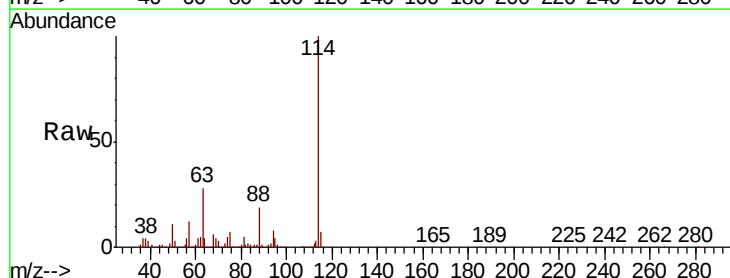
Tgt Ion: 63 Resp: 776204

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

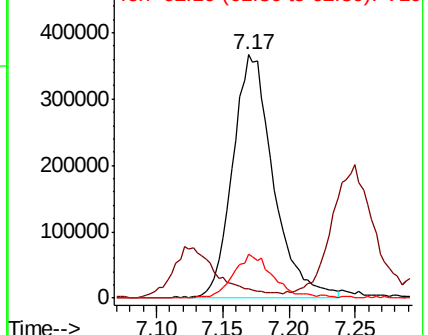
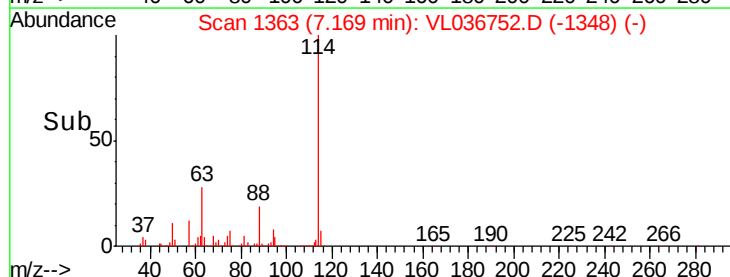
62 17.8 52.8 79.2#

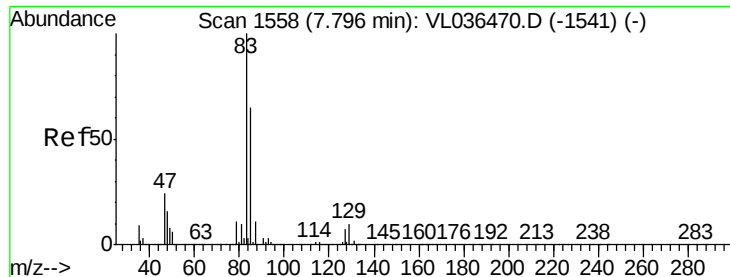


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.384 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

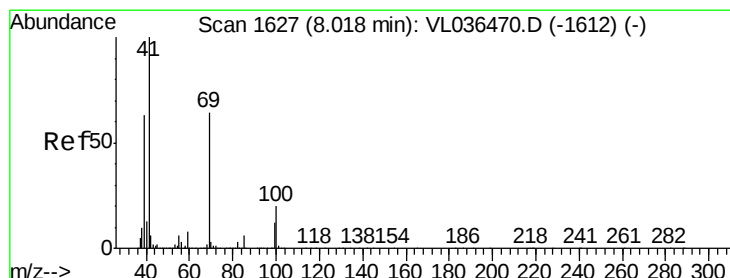
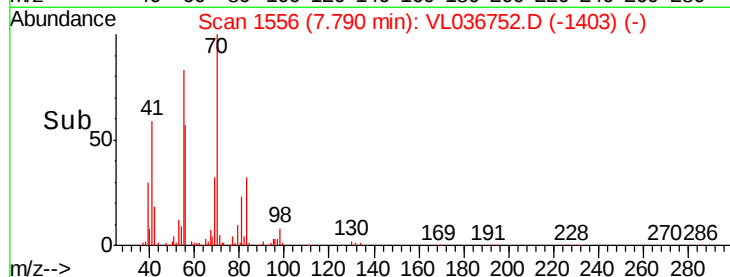
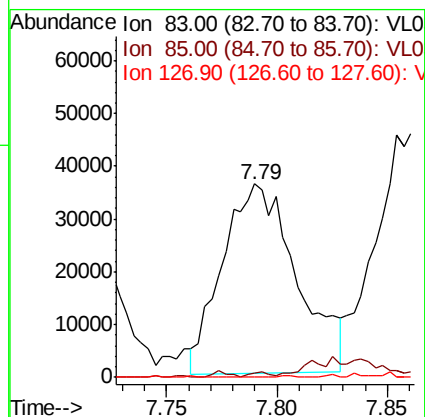
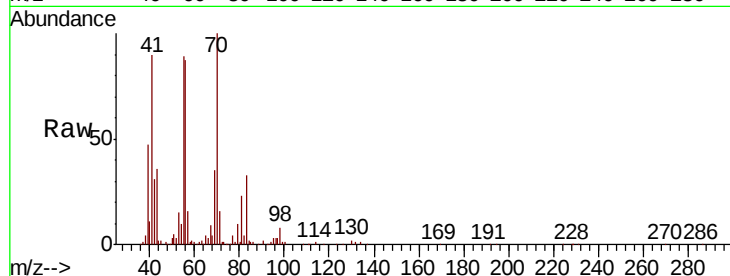
Tot Ion: 83 Resp: 83975

Ion Ratio Lower Upper

83 100

85 2.3 51.8 77.6#

127 0.0 5.8 8.8#



#43

Methyl Methacrylate

Concen: 0.058 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.10 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

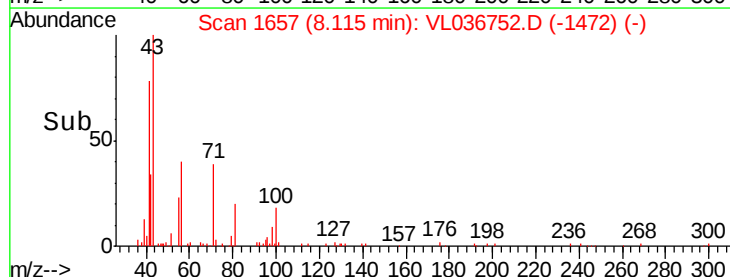
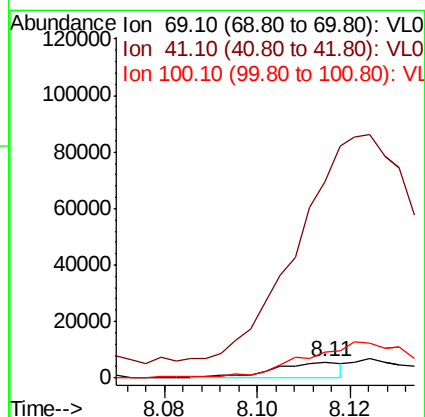
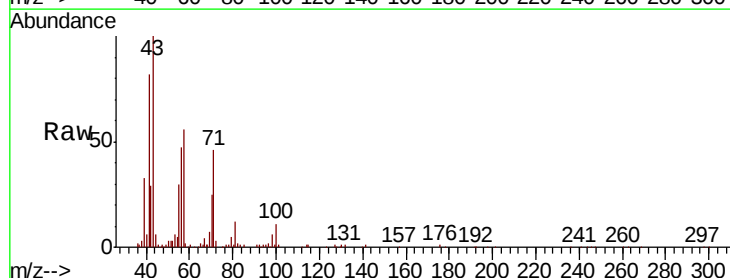
Tgt Ion: 69 Resp: 5326

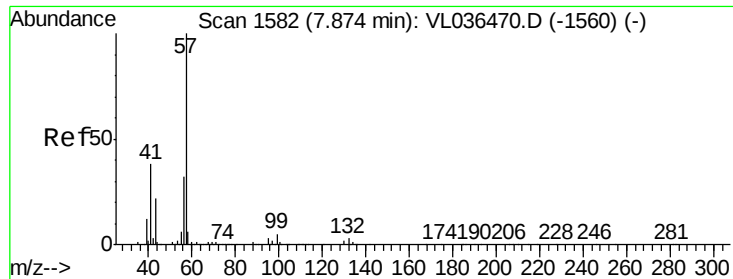
Ion Ratio Lower Upper

69 100

41 0.0 126.8 190.2#

100 66.4 24.9 37.3#





#44

2,2,4-Trimethylpentane

Concen: 6.482 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

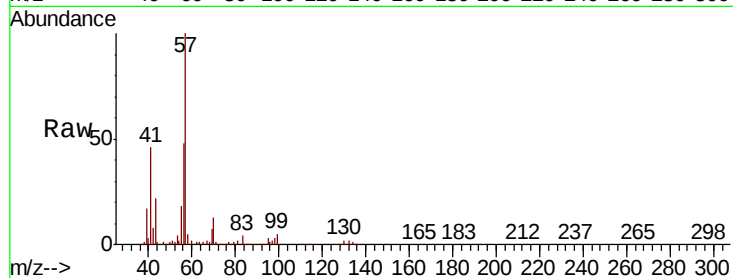
Tot Ion: 57 Resp: 3119996

Ion Ratio Lower Upper

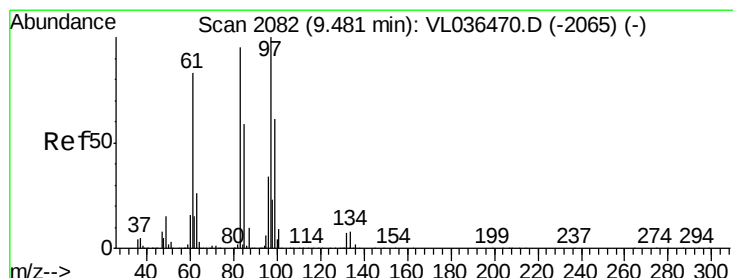
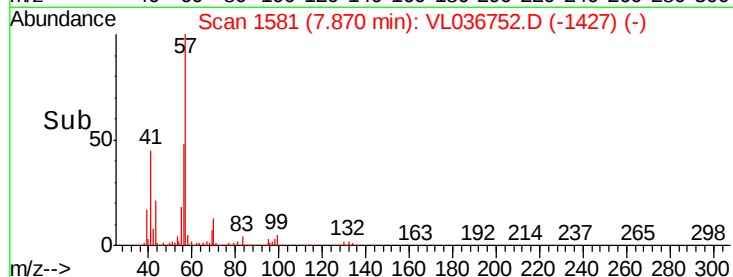
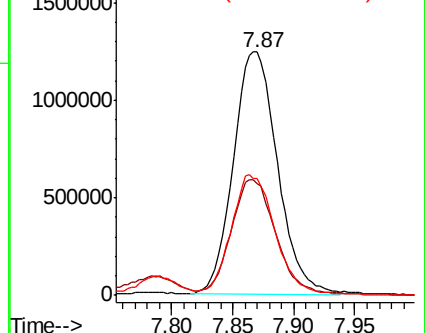
57 100

41 49.3 28.8 43.2#

56 49.8 26.1 39.1#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#47

1,1,2-Trichloroethane

Concen: 0.142 ppbv

RT: 9.56 min Scan# 2107

Delta R.T. 0.08 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Tgt Ion: 97 Resp: 15942

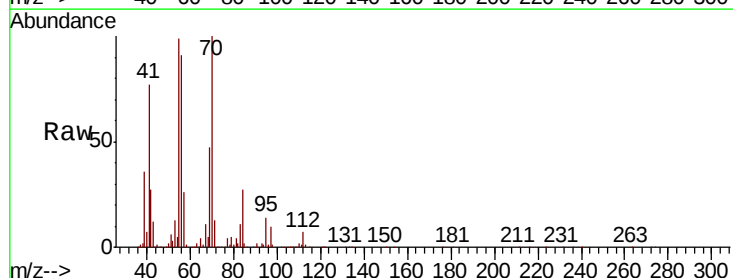
Ion Ratio Lower Upper

97 100

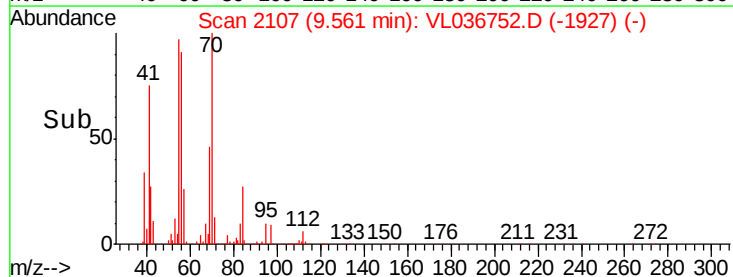
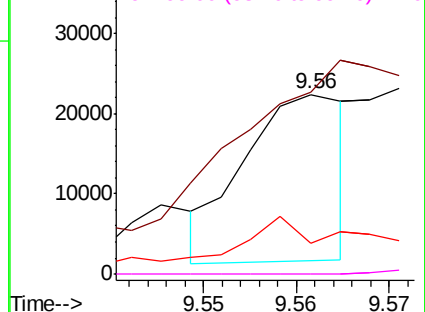
83 77.9 75.8 113.8

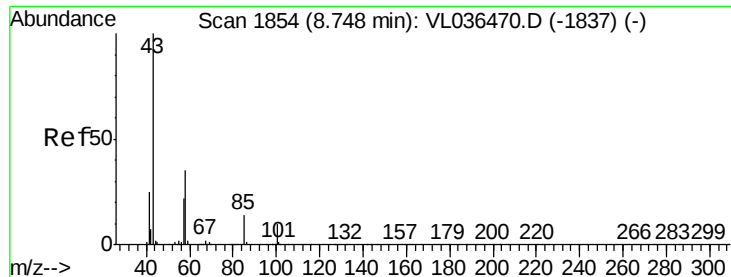
85 11.8 47.1 70.7#

99 0.0 49.2 73.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0

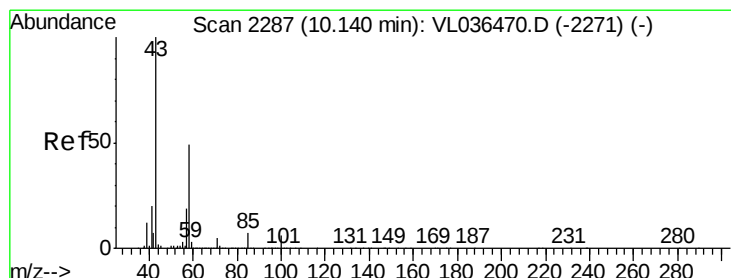
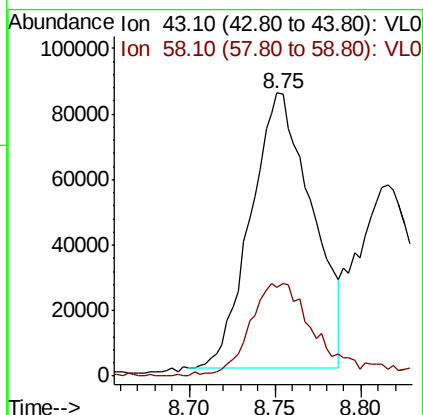
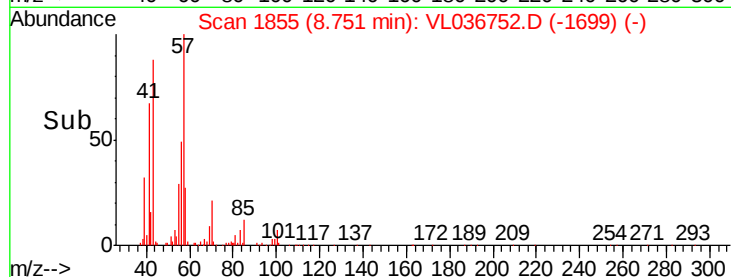
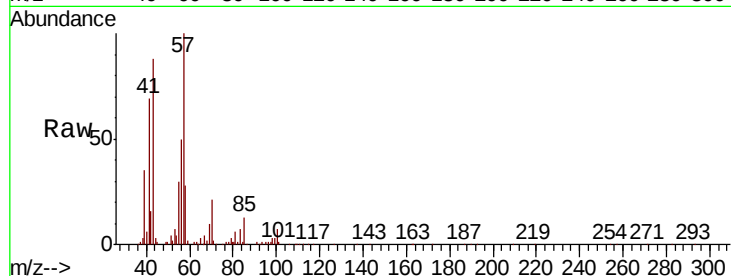




#50
 4-Methyl-2-Pentanone
 Concen: 0.992 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

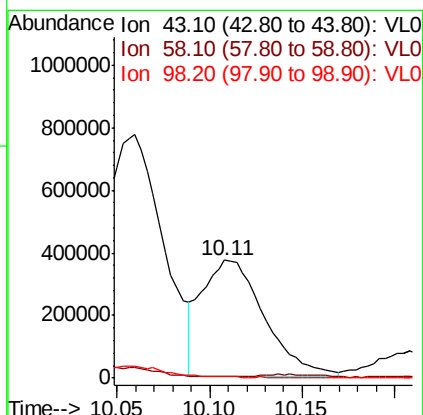
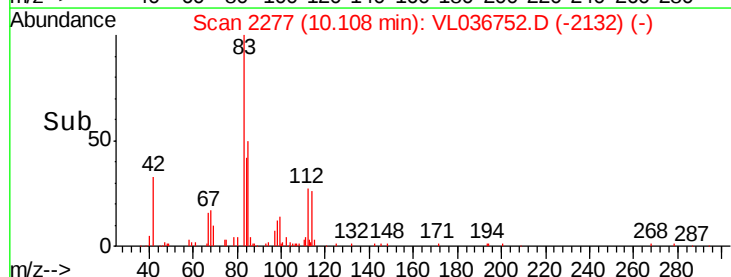
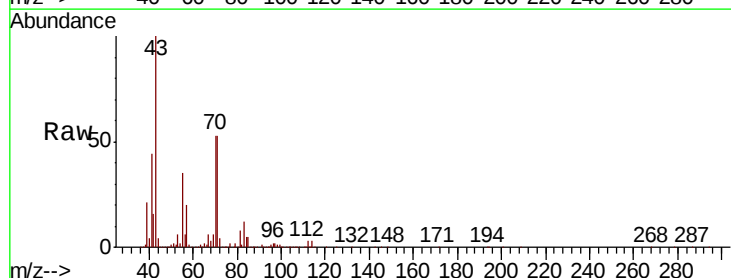
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

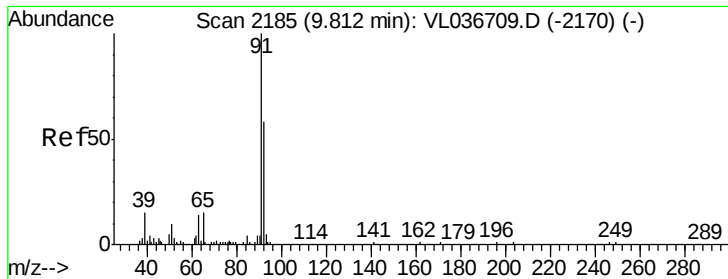
Tot Ion: 43 Resp: 207692
 Ion Ratio Lower Upper
 43 100
 58 36.9 28.2 42.2



#51
 2-Hexanone
 Concen: 8.255 ppbv
 RT: 10.11 min Scan# 2277
 Delta R.T. -0.03 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

Tgt Ion: 43 Resp: 872512
 Ion Ratio Lower Upper
 43 100
 58 3.9 37.7 56.5#
 98 0.0 0.2 0.2#





#53

Toluene

Concen: 0.983 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampled :

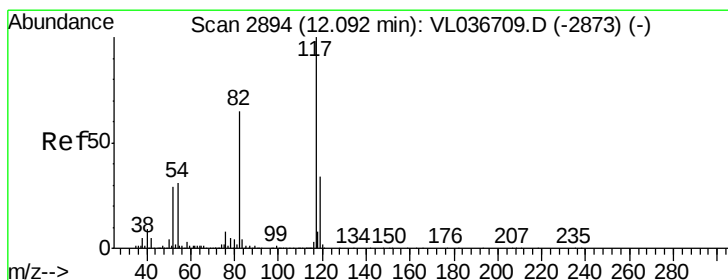
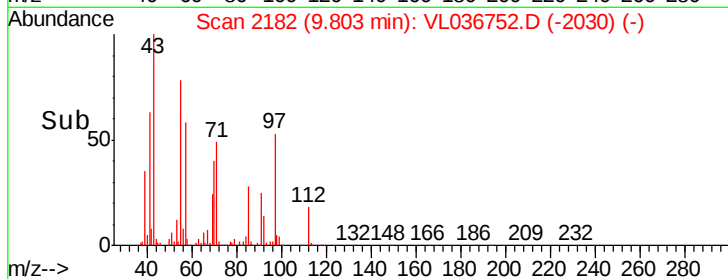
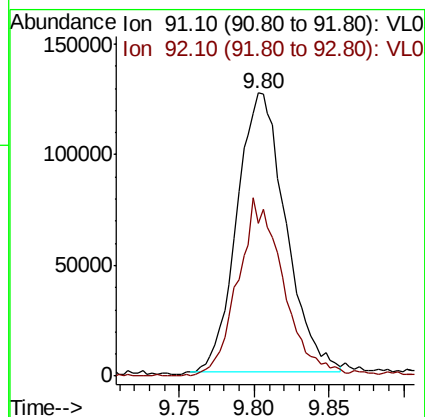
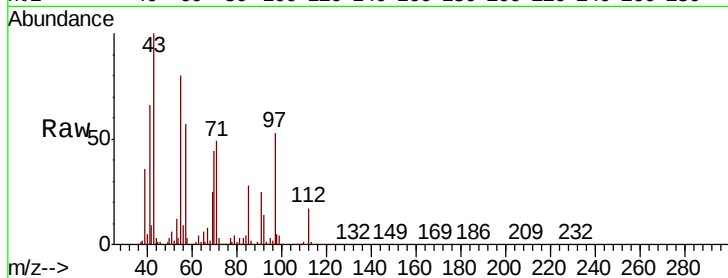
SG-4

Tot Ion: 91 Resp: 286324

Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

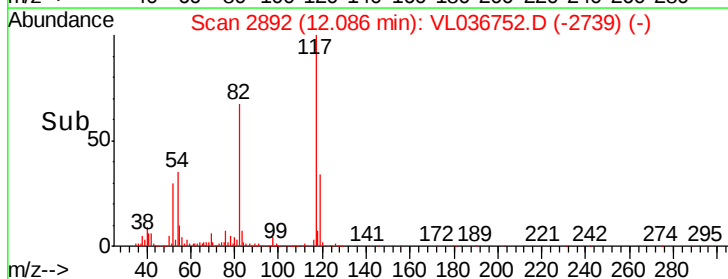
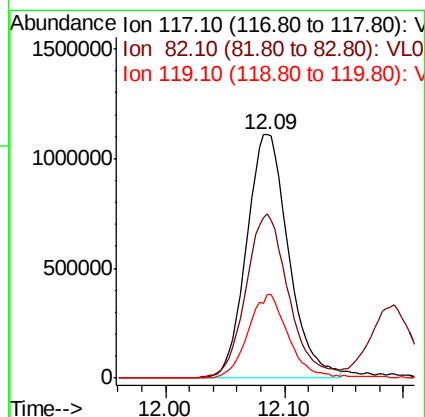
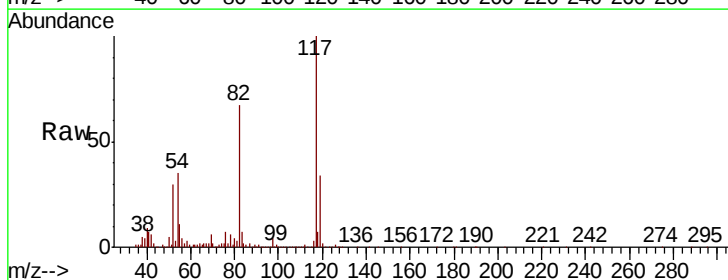
Tgt Ion: 117 Resp: 2709621

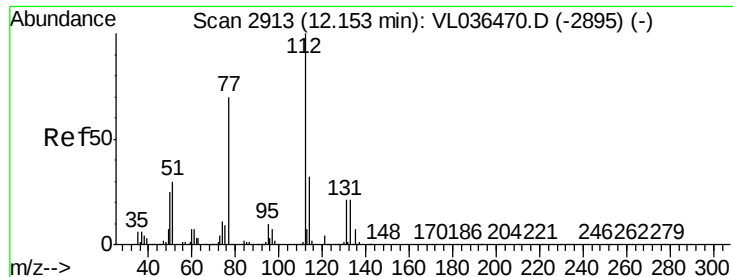
Ion Ratio Lower Upper

117 100

82 68.0 57.4 86.0

119 33.6 47.4 71.0#





#57

Chlorobenzene

Concen: 0.342 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampled :

SG-4

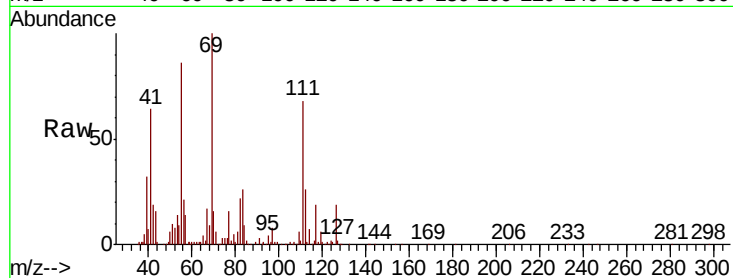
Tot Ion:112 Resp: 78762

Ion Ratio Lower Upper

112 100

77 40.2 56.0 84.0#

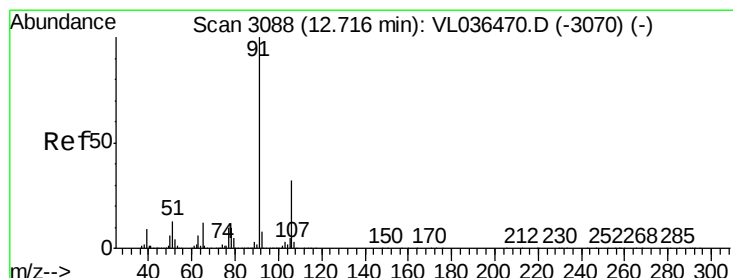
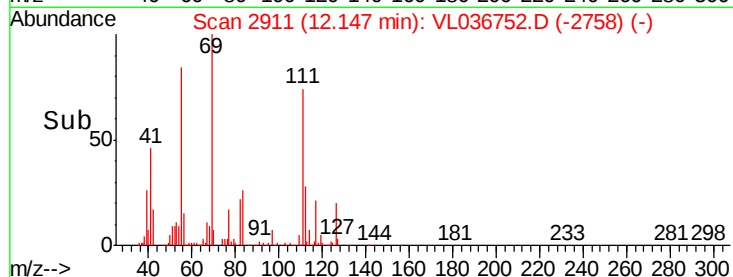
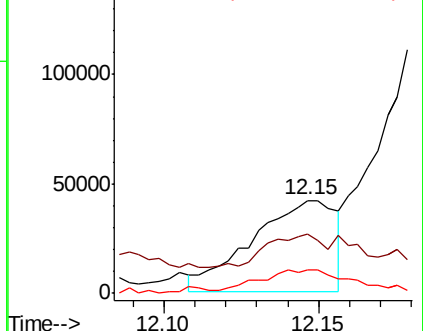
114 22.5 29.0 35.4#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.826 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL036752.D

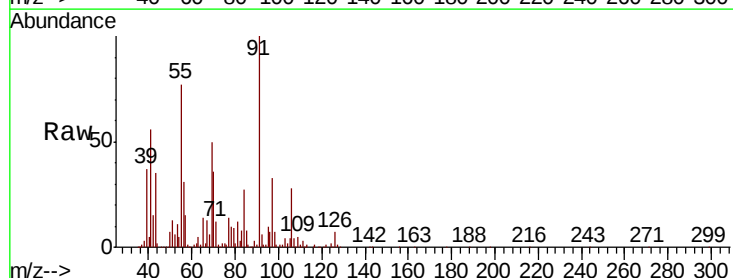
Acq: 8 Apr 2021 15:58

Tgt Ion: 91 Resp: 325621

Ion Ratio Lower Upper

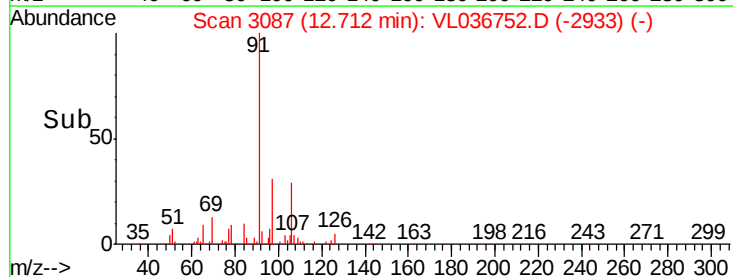
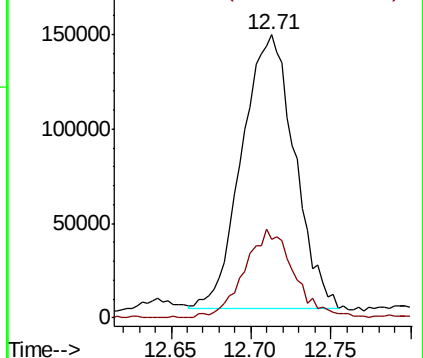
91 100

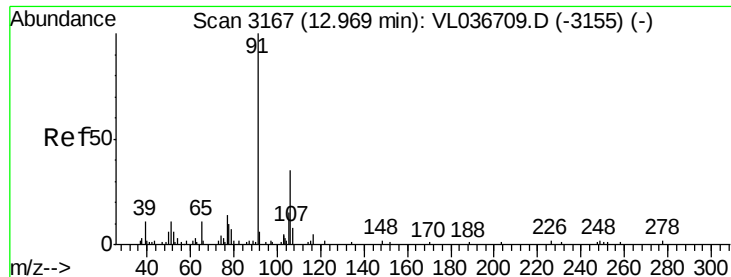
106 28.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.146 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampled :

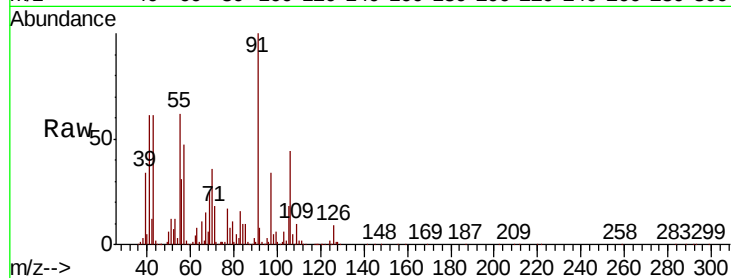
SG-4

Tot Ion: 91 Resp: 737724

Ion Ratio Lower Upper

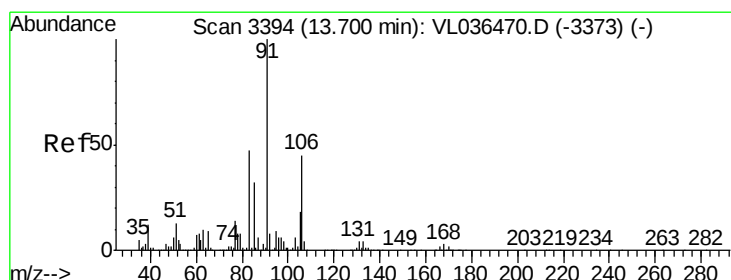
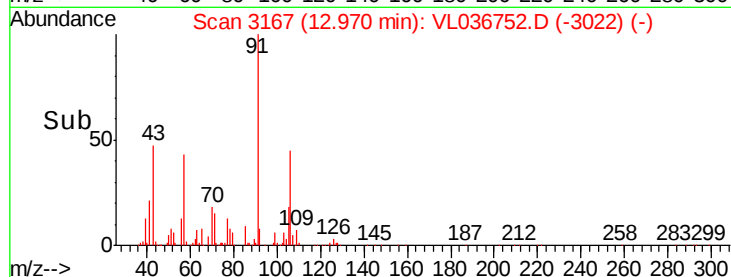
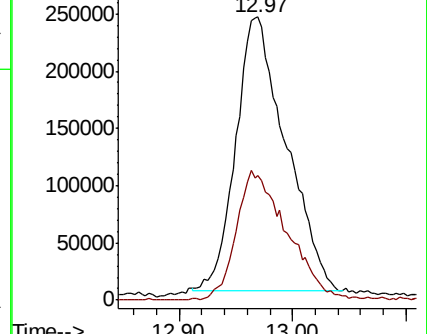
91 100

106 48.3 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 2.099 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL036752.D

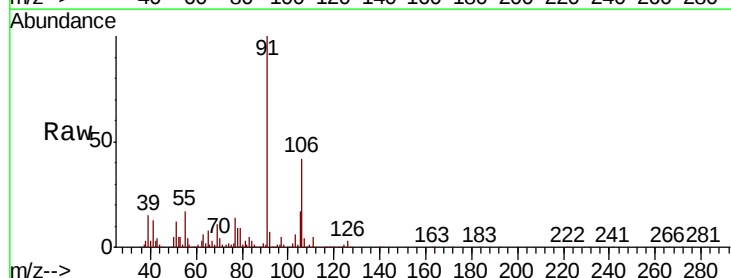
Acq: 8 Apr 2021 15:58

Tgt Ion: 91 Resp: 697774

Ion Ratio Lower Upper

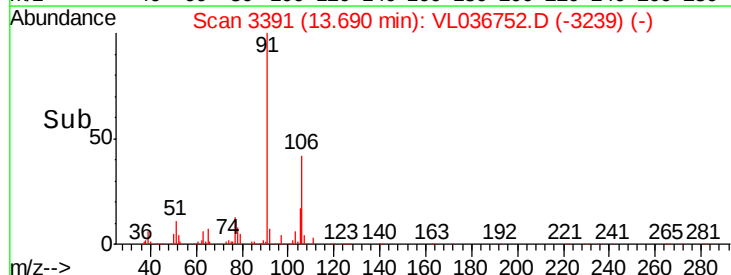
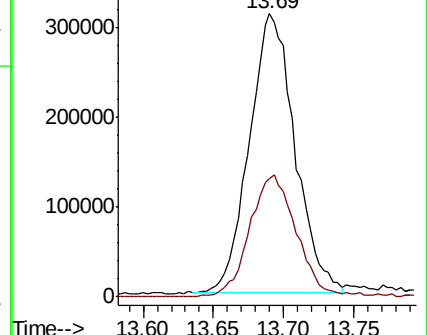
91 100

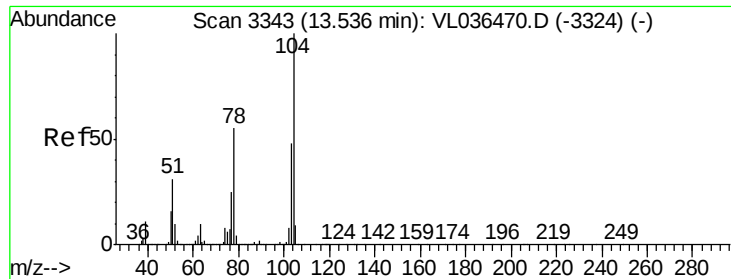
106 45.6 22.3 66.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.035 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampled :

SG-4

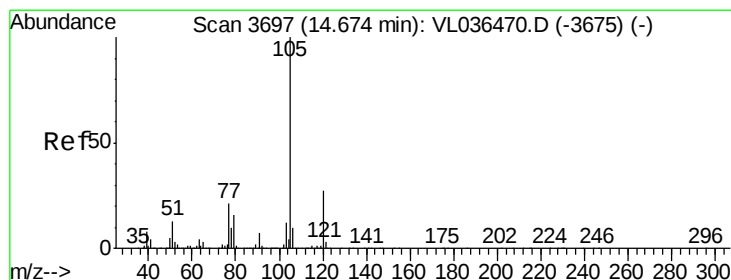
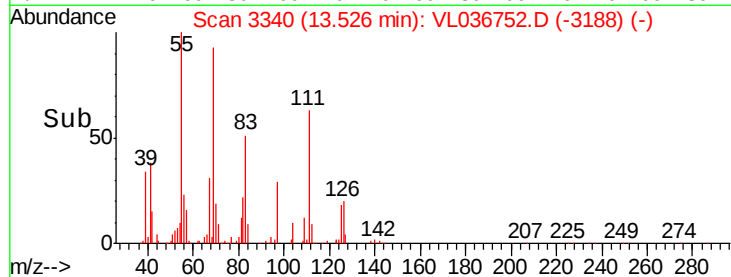
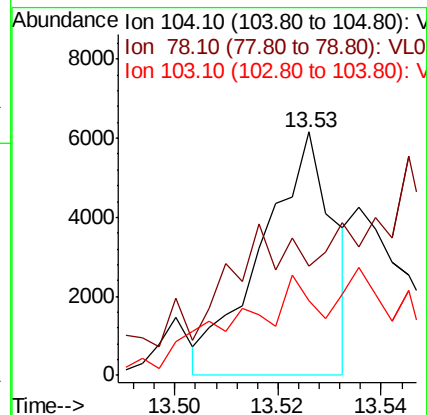
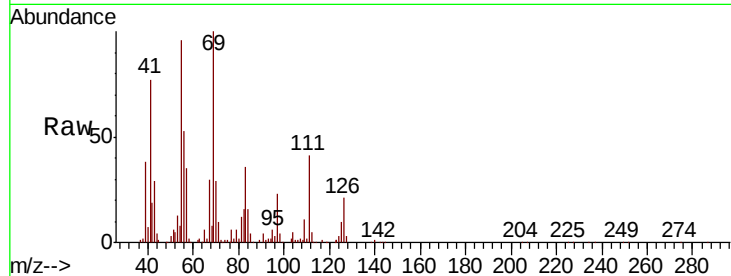
Tot Ion:104 Resp: 5900

Ion Ratio Lower Upper

104 100

78 0.0 43.8 65.8#

103 0.0 38.3 57.5#



#62

Isopropylbenzene

Concen: 0.184 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL036752.D

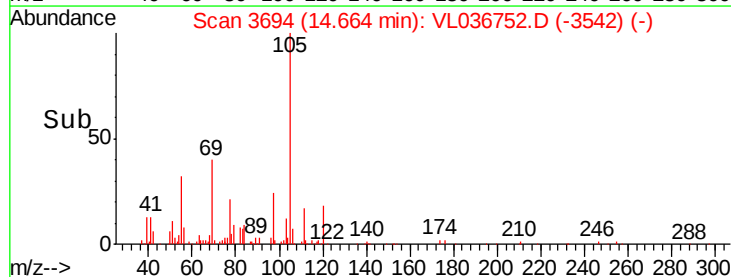
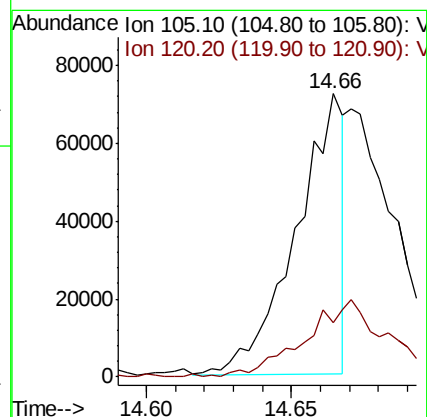
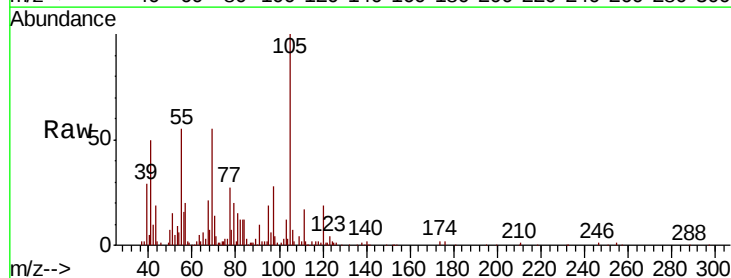
Acq: 8 Apr 2021 15:58

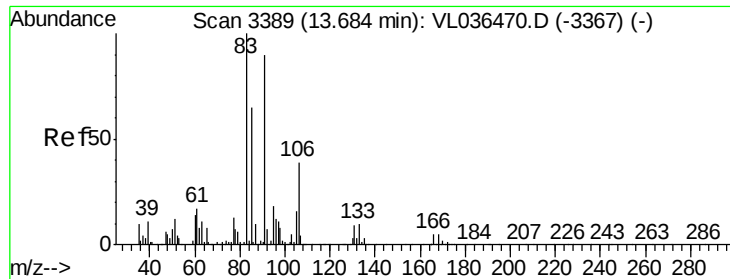
Tgt Ion:105 Resp: 82505

Ion Ratio Lower Upper

105 100

120 0.0 20.6 31.0#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.050 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

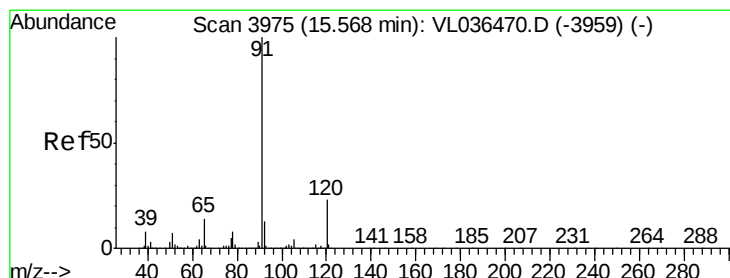
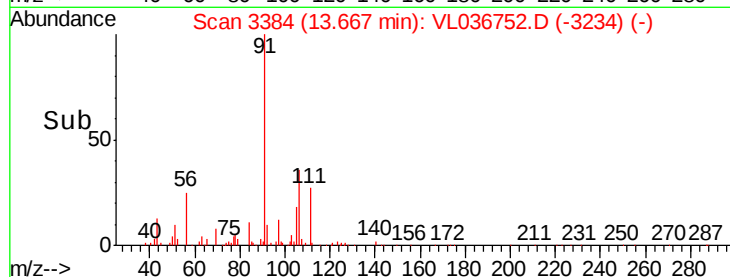
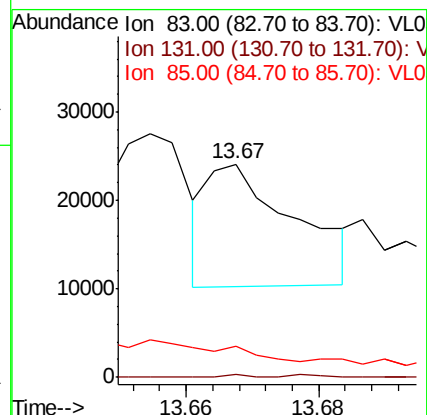
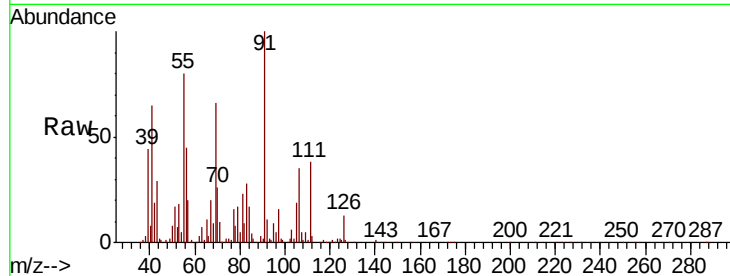
Tot Ion: 83 Resp: 12589

Ion Ratio Lower Upper

83 100

131 1.2 4.7 14.0#

85 0.0 33.1 99.3#



#64

n-propylbenzene

Concen: 0.183 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL036752.D

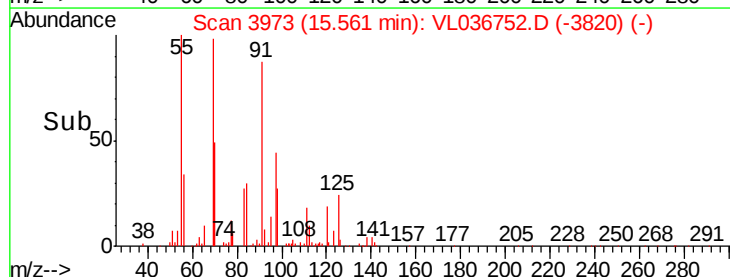
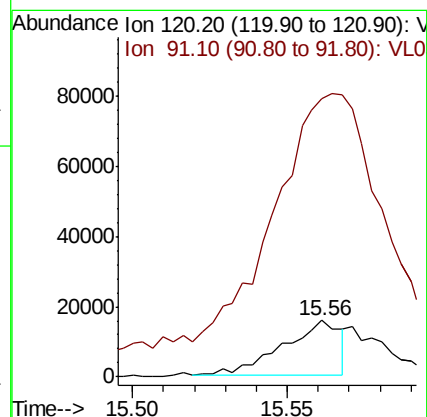
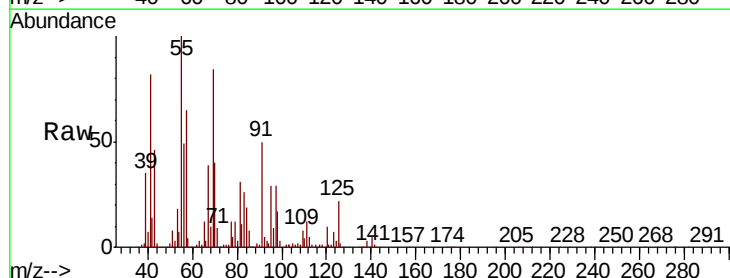
Acq: 8 Apr 2021 15:58

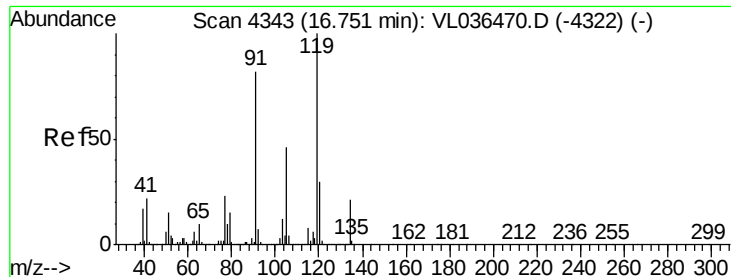
Tgt Ion:120 Resp: 20052

Ion Ratio Lower Upper

120 100

91 1038.6 377.4 566.2#

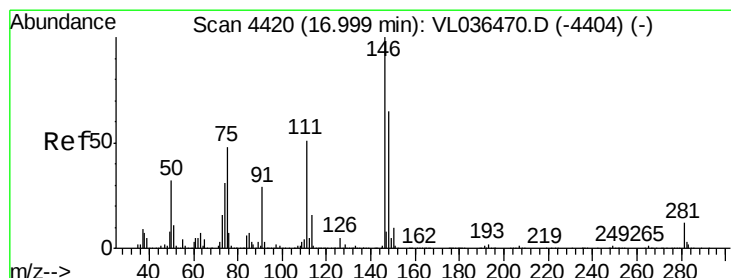
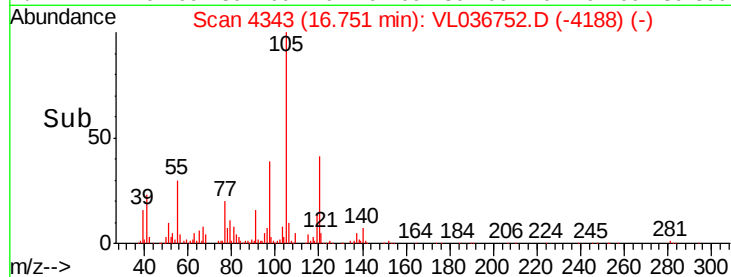
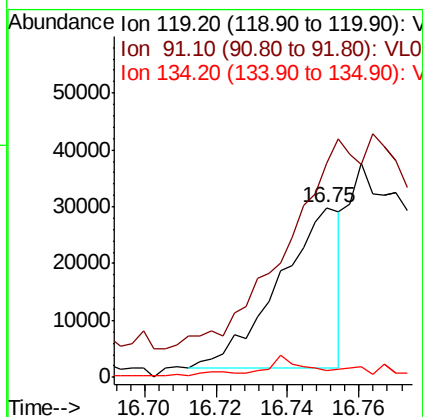
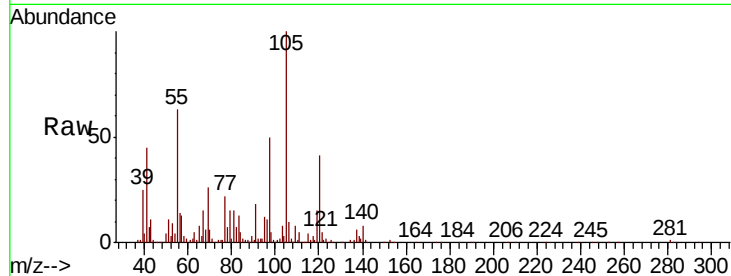




#65
tert-Butylbenzene
Concen: 0.086 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.00 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

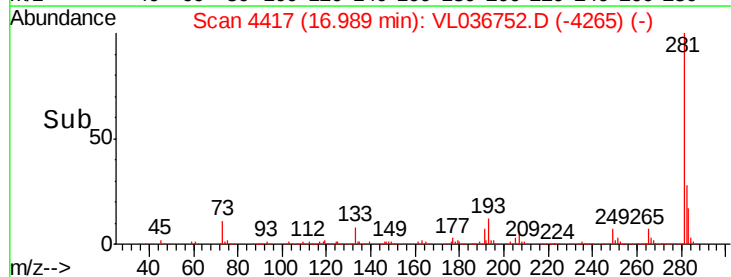
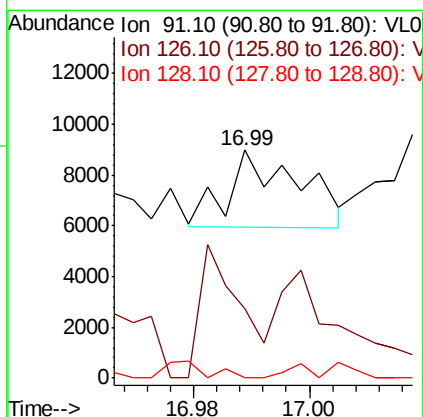
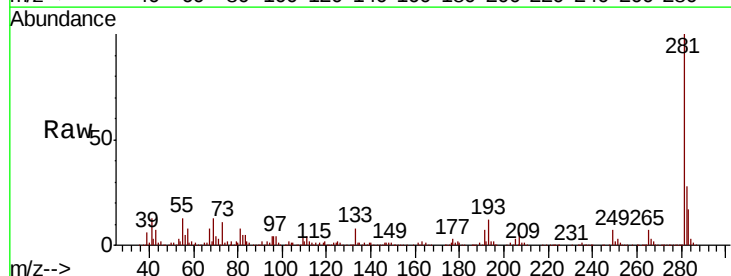
Instrument :
MSVOA_L
ClientSampled :
SG-4

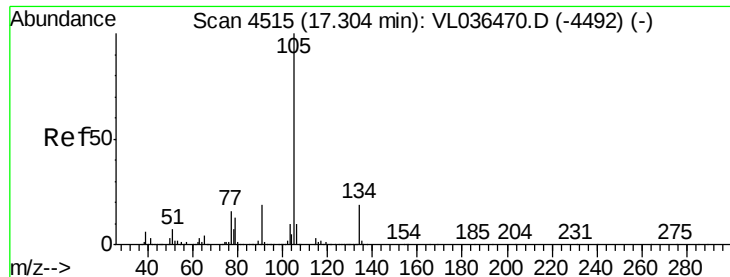
Tot Ion: 119 Resp: 33553
Ion Ratio Lower Upper
119 100
91 0.0 67.5 101.3#
134 21.2 15.8 23.8



#66
Benzyl Chloride
Concen: 0.060 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Tgt Ion: 91 Resp: 2587
Ion Ratio Lower Upper
91 100
126 330.3 13.5 20.3#
128 0.0 4.2 6.4#

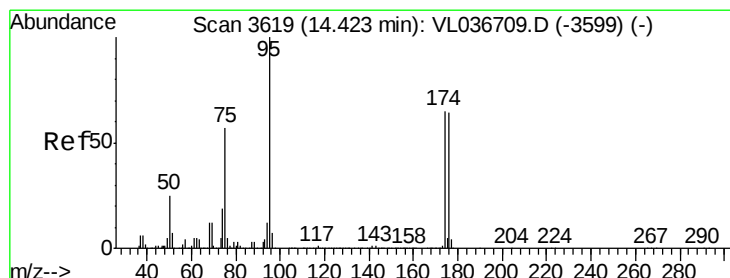
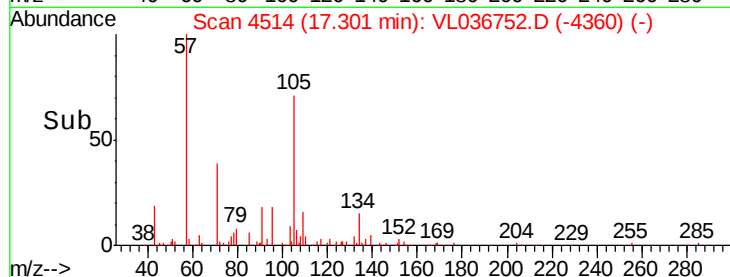
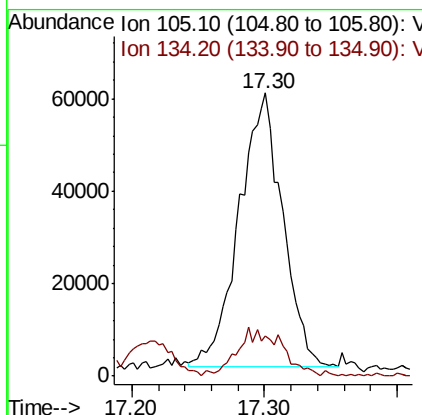
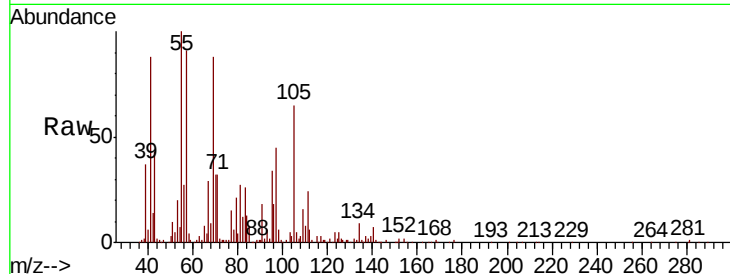




#67
 sec-Butylbenzene
 Concen: 0.247 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. -0.00 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

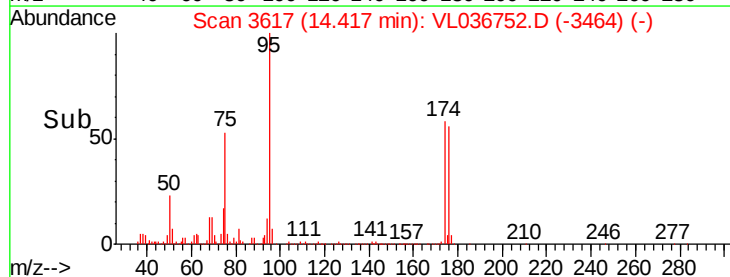
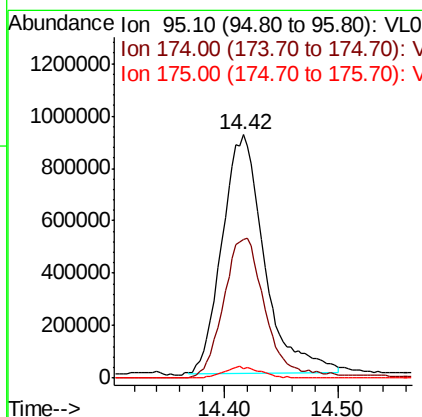
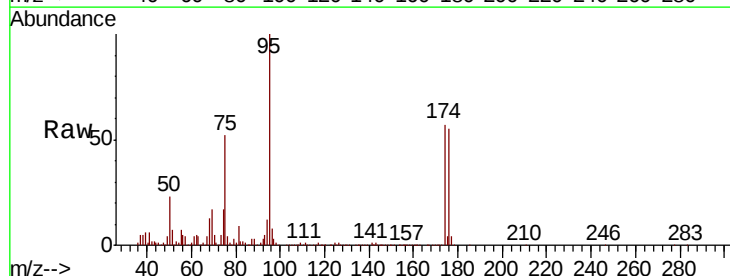
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

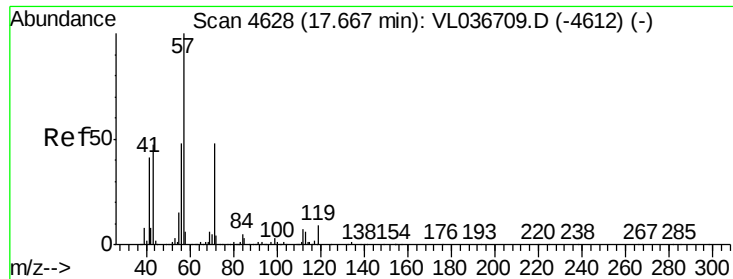
Tot Ion:105 Resp: 135172
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.966 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

Tgt Ion: 95 Resp: 2368306
 Ion Ratio Lower Upper
 95 100
 174 60.2 51.0 76.6
 175 4.5 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.489 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

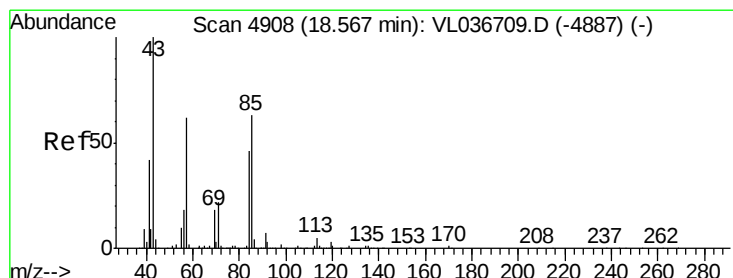
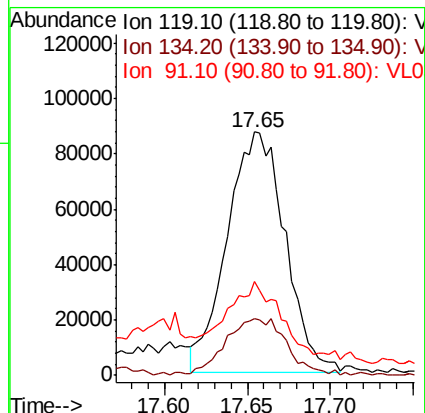
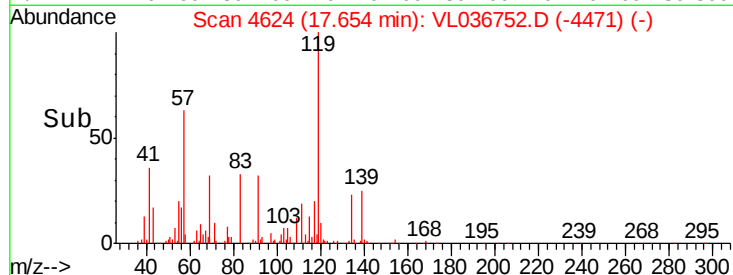
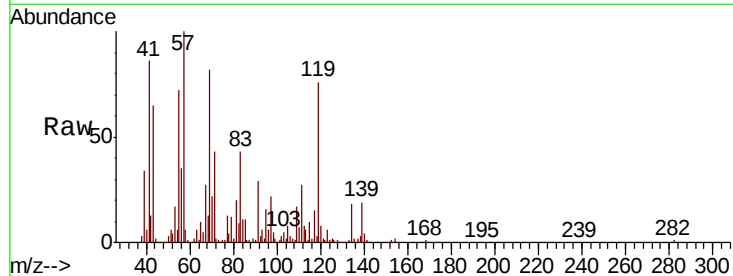
Tot Ion:119 Resp: 209449

Ion Ratio Lower Upper

119 100

134 25.9 20.6 30.8

91 37.4 25.0 37.6



#70

n-Butylbenzene

Concen: 0.103 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

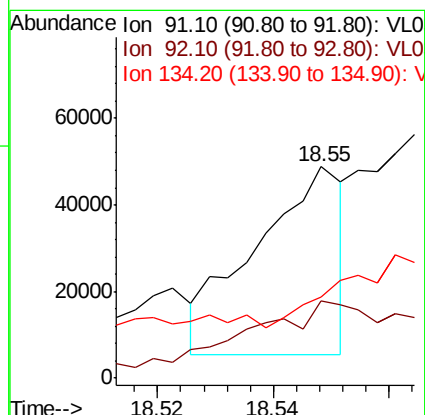
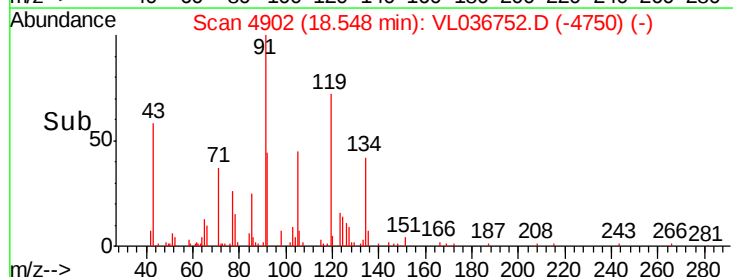
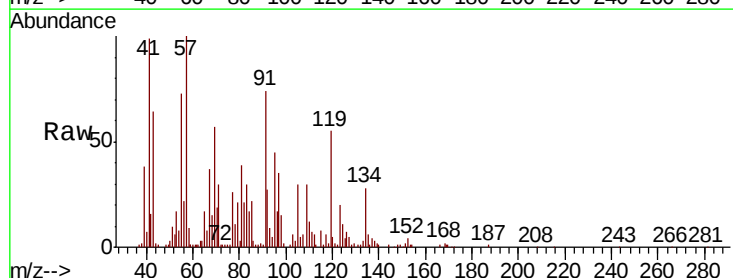
Tgt Ion: 91 Resp: 45550

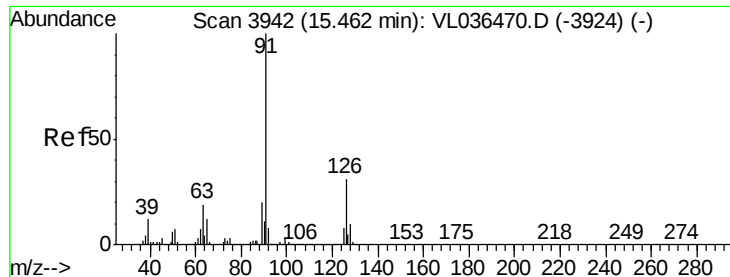
Ion Ratio Lower Upper

91 100

92 101.0 43.8 65.8#

134 0.0 18.0 27.0#

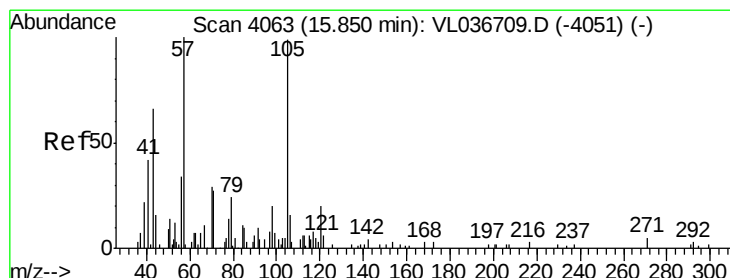
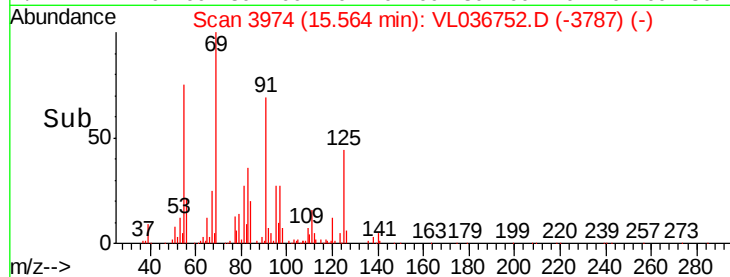
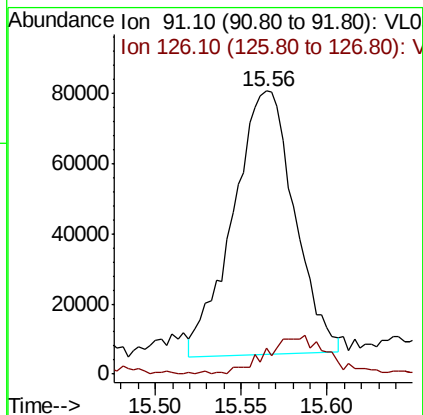
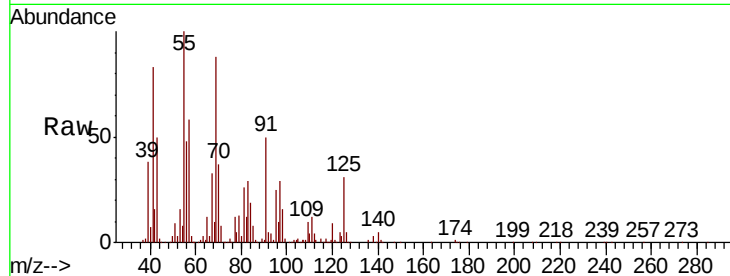




#71
2-Chlorotoluene
Concen: 0.554 ppbv
RT: 15.56 min Scan# 3974
Delta R.T. 0.10 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

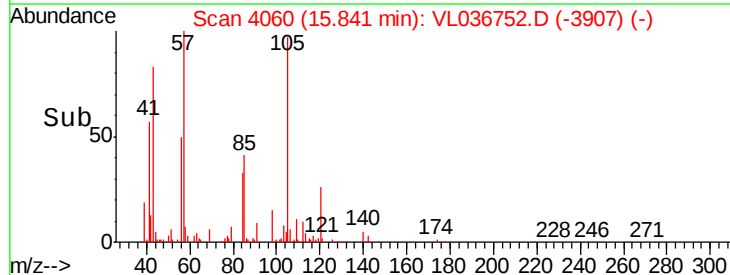
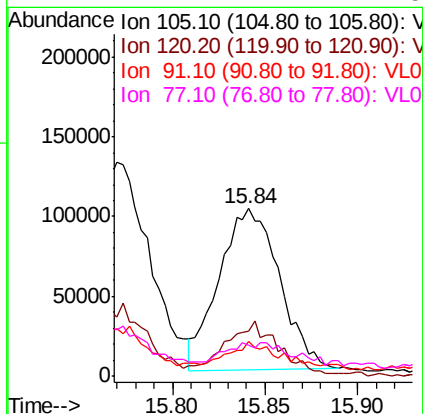
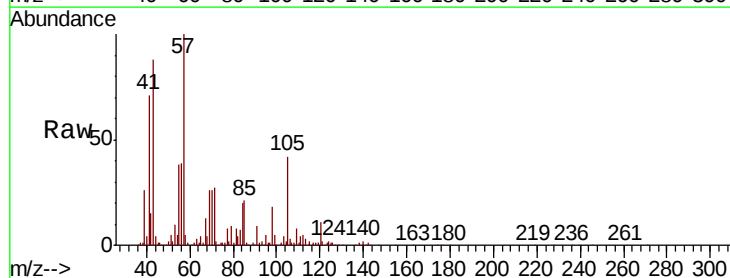
Instrument :
MSVOA_L
ClientSampleId :
SG-4

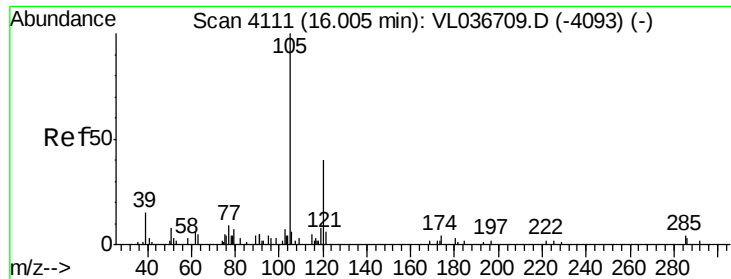
Tot Ion: 91 Resp: 185986
Ion Ratio Lower Upper
91 100
126 15.4 12.1 48.5



#72
4-Ethyltoluene
Concen: 0.629 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL036752.D
Acq: 8 Apr 2021 15:58

Tgt Ion:105 Resp: 228984
Ion Ratio Lower Upper
105 100
120 30.8 24.0 36.0
91 18.9 11.0 16.4#
77 22.2 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 1.194 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

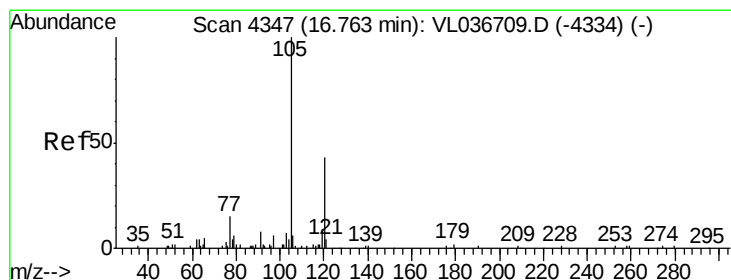
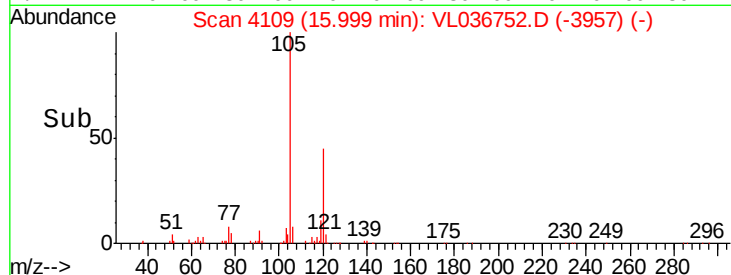
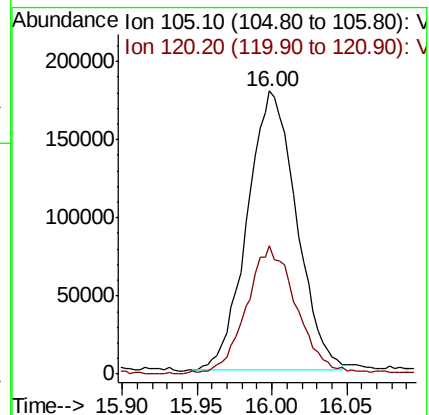
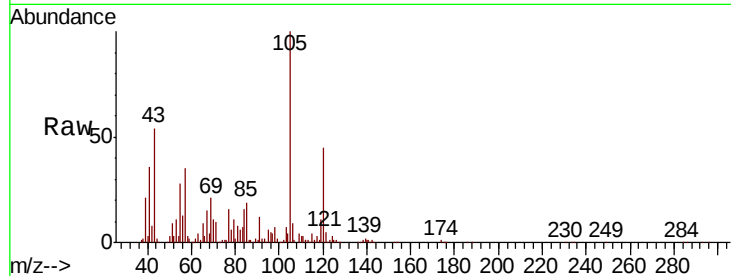
SG-4

Tot Ion:105 Resp: 406083

Ion Ratio Lower Upper

105 100

120 45.1 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 0.846 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Tgt Ion:105 Resp: 307730

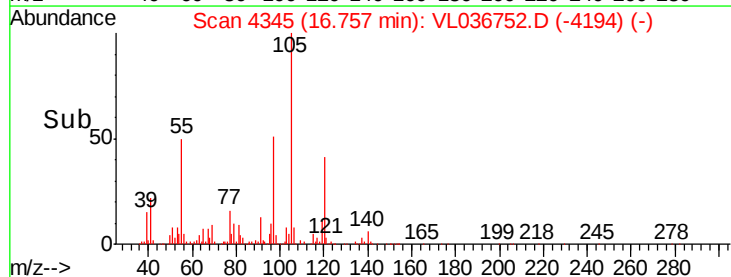
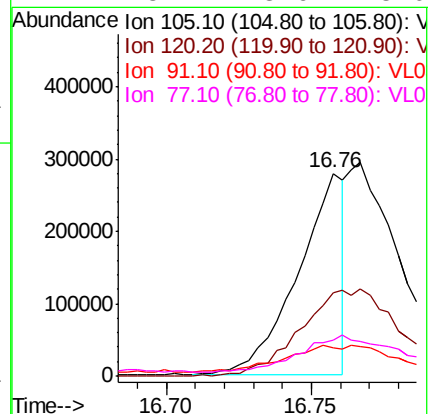
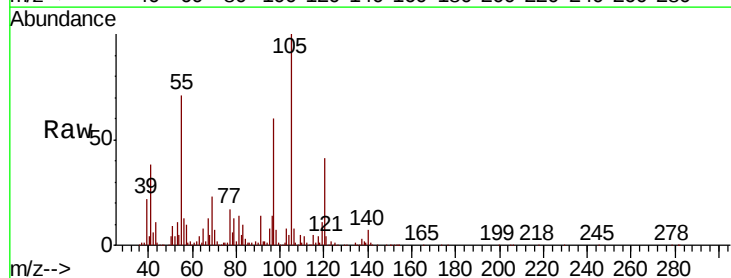
Ion Ratio Lower Upper

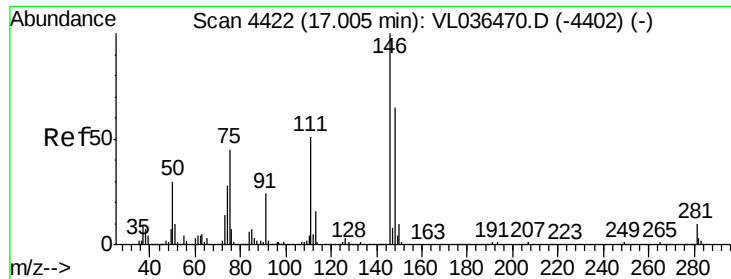
105 100

120 41.3 39.2 58.8

91 12.1 42.6 64.0#

77 15.7 18.6 28.0#

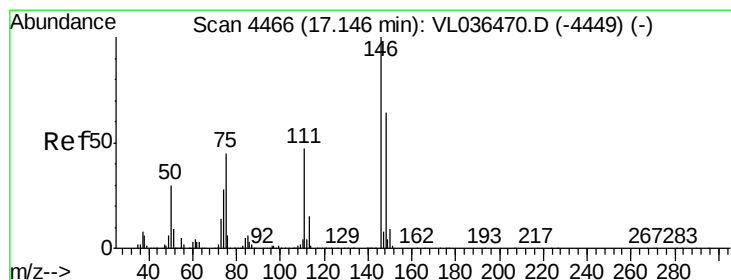
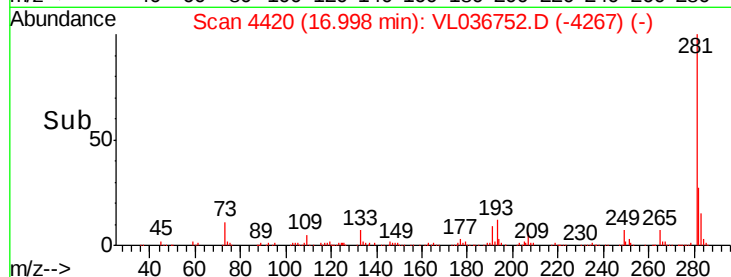
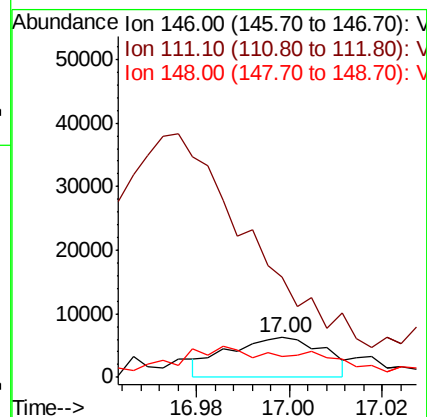
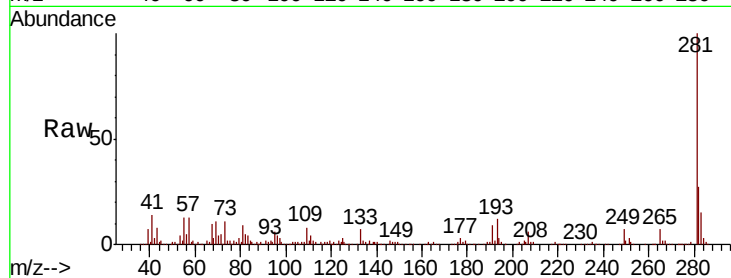




#75
 1,3-Dichlorobenzene
 Concen: 0.044 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

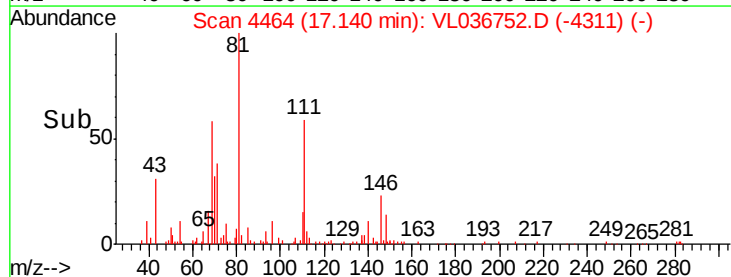
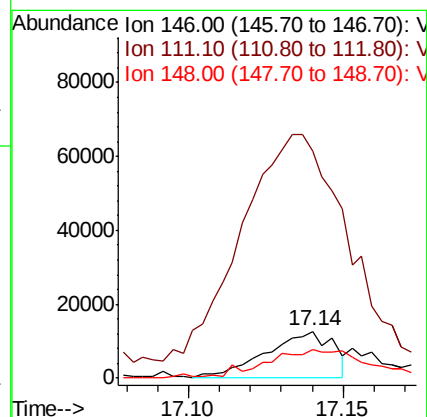
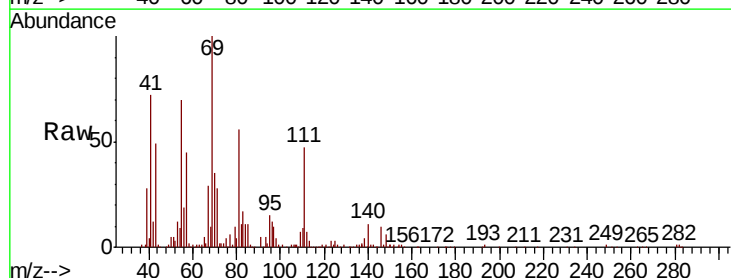
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

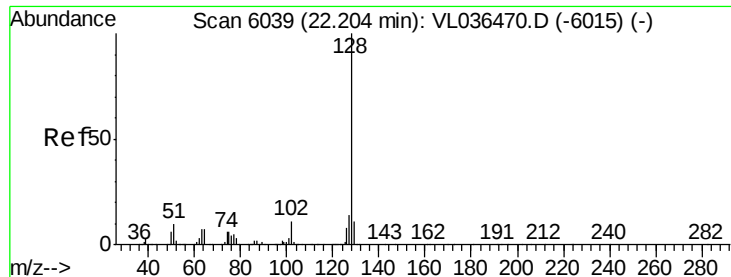
Tot Ion:146 Resp: 8936
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.5 73.5#
 148 0.0 32.3 96.9#



#76
 1,4-Dichlorobenzene
 Concen: 0.091 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL036752.D
 Acq: 8 Apr 2021 15:58

Tgt Ion:146 Resp: 18531
 Ion Ratio Lower Upper
 146 100
 111 794.2 24.3 72.8#
 148 100.0 33.0 98.9#





#79

Naphthalene

Concen: 0.126 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

Instrument :

MSVOA_L

ClientSampleId :

SG-4

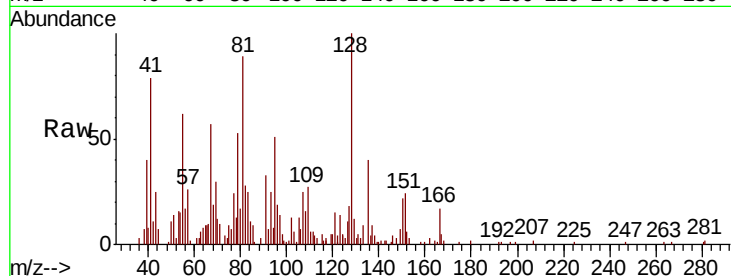
Tot Ion:128 Resp: 26736

Ion Ratio Lower Upper

128 100

127 17.2 10.9 16.3#

129 8.3 9.0 13.4#

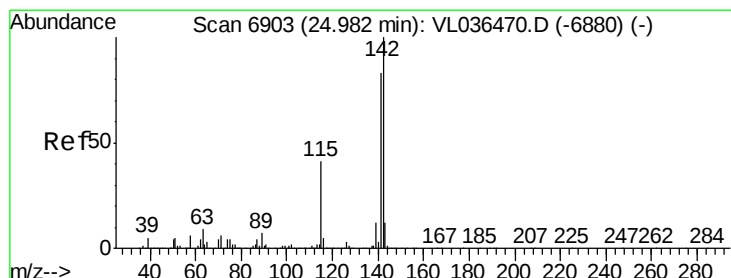
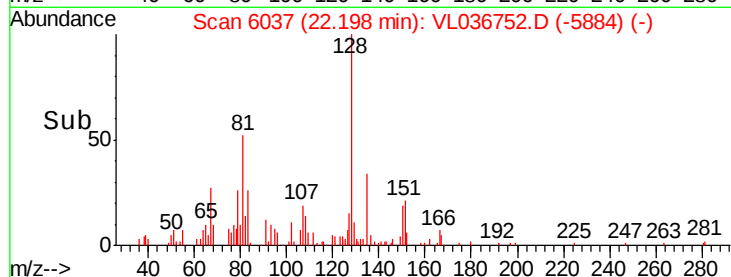
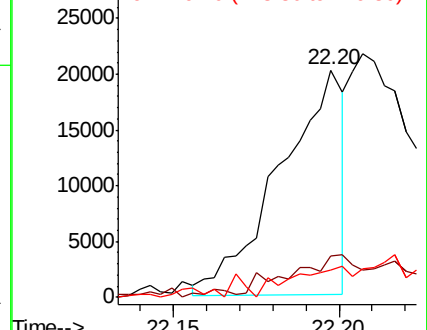


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.053 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.02 min

Lab File: VL036752.D

Acq: 8 Apr 2021 15:58

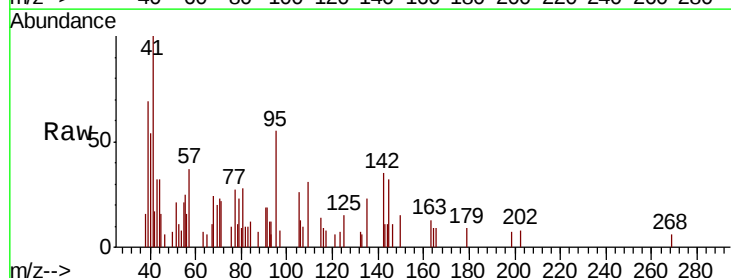
Tgt Ion:142 Resp: 2218

Ion Ratio Lower Upper

142 100

141 31.2 67.8 101.8#

115 62.2 34.0 51.0#



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

