

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036567.D
 Acq On : 30 Mar 2021 13:04
 Operator : SY/AP
 Sample : M1797-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:14:05 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	5.65	49	1353109	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3406357	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3229756	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2585310	10.04	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	38241	0.173 ppbv	# 80
3) Chlorodifluoromethane	2.97	51	176814	0.699 ppbv	# 77
4) Chloromethane	3.12	50	124343	1.392 ppbv	# 92
7) Chloroethane	3.54	64	1242	0.039 ppbv	# 85
9) Propene	2.99	41	1368108	16.975 ppbv	# 89
10) Heptane	8.10	43	509911	2.484 ppbv	# 100
11) Trichlorofluoromethane	3.98	101	4646	0.021 ppbv	# 89
13) Ethanol	3.61	45	10321109	1075.394 ppbv	# 94
15) Acetone	3.83	43	14212935	106.722 ppbv	# 91
16) 1,3-Butadiene	3.29	39	795391	8.579 ppbv	# 33
17) tert-Butyl alcohol	4.30	59	141574	1.221 ppbv	# 72
18) 1,1-Dichloroethene	4.27	96	2285	0.036 ppbv	# 55
19) Isopropyl Alcohol	3.98	45	1683968	22.986 ppbv	# 1
20) Methylene Chloride	4.32	84	1725119	27.666 ppbv	# 97
21) Allyl Chloride	4.35	41	40538	0.382 ppbv	# 1
22) trans-1,2-Dichloroethene	4.87	96	6042	0.102 ppbv	# 82
23) Vinyl Acetate	5.05	43	67496	0.296 ppbv	# 35
24) 1,1-Dichloroethane	4.99	63	58505	0.352 ppbv	# 98
25) Ethyl Acetate	5.66	43	2594073	8.193 ppbv	# 77
26) Hexane	5.66	57	3552426	24.177 ppbv	# 47
27) Carbon Disulfide	4.53	76	464736	3.211 ppbv	# 98
29) Chloroform	5.74	83	15148098	64.465 ppbv	# 83
30) Cyclohexane	7.10	84	43835	0.368 ppbv	# 42
32) 1,1,1-Trichloroethane	6.49	97	457598	1.932 ppbv	# 97
34) 2-Butanone	5.23	43	1578959	9.496 ppbv	# 99
35) Carbon Tetrachloride	7.00	117	34944	0.134 ppbv	# 98
36) Benzene	6.87	78	1364532	4.343 ppbv	# 99
38) Trichloroethene	7.82	130	5111	0.042 ppbv	# 68
39) 1,2-Dichloropropane	7.16	63	913491	7.168 ppbv	# 23
40) 1,4-Dioxane	7.81	88	247926	8.359 ppbv	# 1
41) Tetrahydrofuran	6.00	42	653041	8.518 ppbv	# 49
42) Bromodichloromethane	7.76	83	44270	0.176 ppbv	# 76
43) Methyl Methacrylate	7.99	69	6805	0.065 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.85	57	139138	0.252 ppbv	# 1
50) 4-Methyl-2-Pentanone	8.73	43	108541	0.451 ppbv	# 95
51) 2-Hexanone	10.10	43	45584	0.375 ppbv	# 30
52) Tetrachloroethene	11.19	164	24798	0.214 ppbv	# 65
53) Toluene	9.78	91	2845308	8.505 ppbv	# 99
57) Chlorobenzene	12.12	112	9065	0.033 ppbv	# 52
58) Ethyl Benzene	12.69	91	13111701	27.904 ppbv	# 84
59) m/p-Xylene	12.95	91	19959680	48.701 ppbv	# 80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036567.D
 Acq On : 30 Mar 2021 13:04
 Operator : SY/AP
 Sample : M1797-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

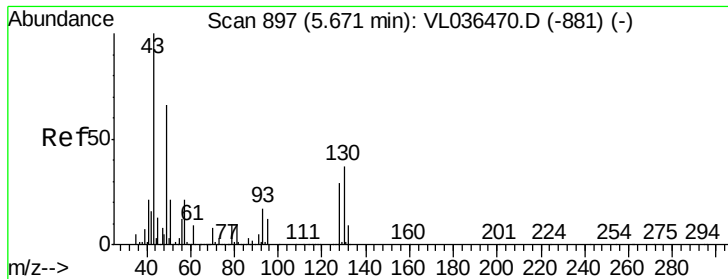
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:14:05 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)

60) o-Xylene	13.67	91	8381368	21.150	ppbv	95
61) Styrene	13.51	104	5449	0.027	ppbv #	26
62) Isopropylbenzene	14.65	105	174515	0.327	ppbv	98
64) n-propylbenzene	15.53	120	18323	0.140	ppbv #	1
65) tert-Butylbenzene	16.74	119	67856	0.147	ppbv #	1
66) Benzyl Chloride	16.96	91	2269	0.044	ppbv #	1
69) p-Isopropyltoluene	17.64	119	253952	0.498	ppbv #	47
72) 4-Ethyltoluene	15.82	105	343934	0.792	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.97	105	164853	0.407	ppbv	92
74) 1,2,4-Trimethylbenzene	16.74	105	965088	2.225	ppbv #	69
75) 1,3-Dichlorobenzene	16.96	146	9493	0.039	ppbv #	22
77) 1,2-Dichlorobenzene	17.80	146	37238	0.162	ppbv #	1
79) Naphthalene	22.18	128	58125	0.230	ppbv #	85

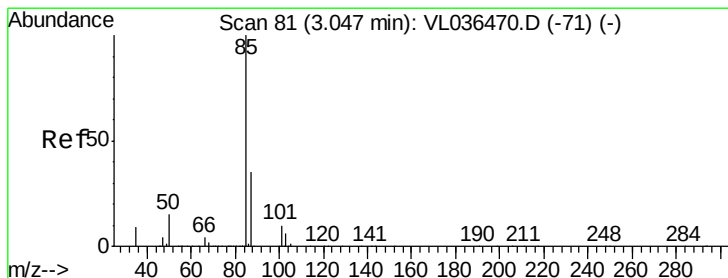
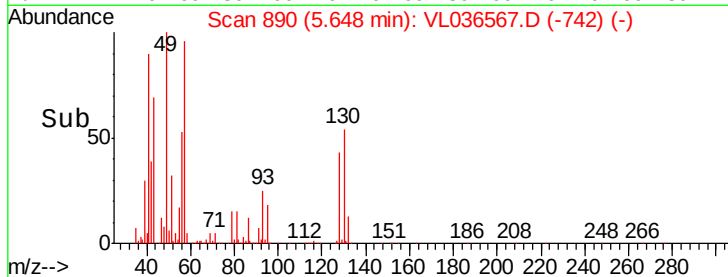
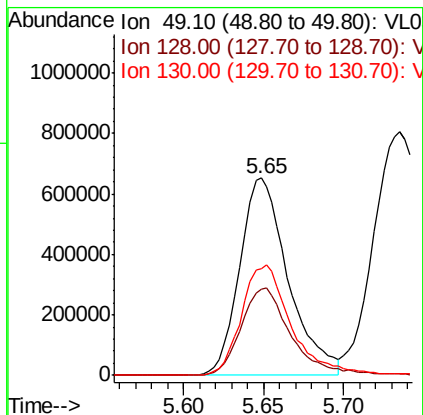
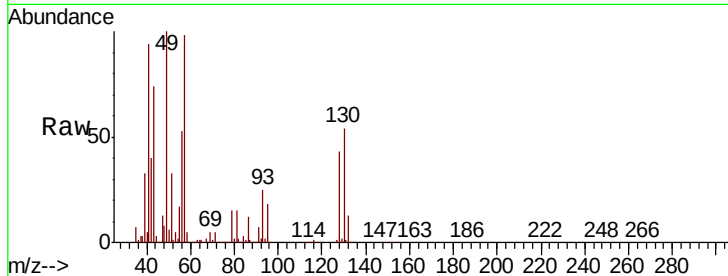
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

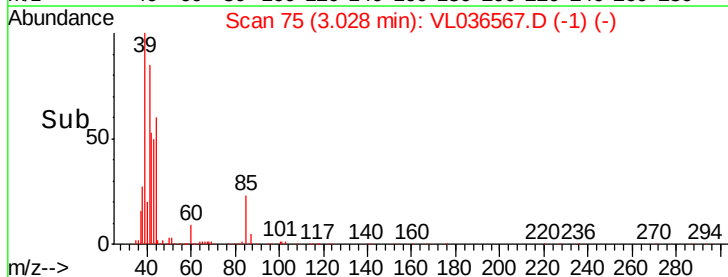
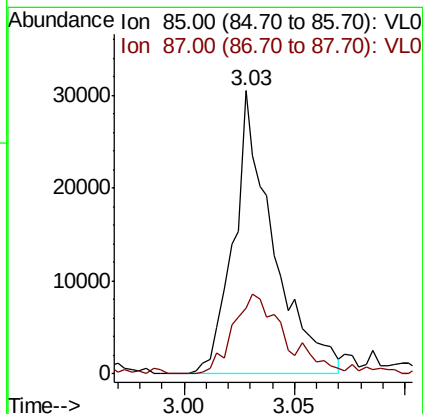
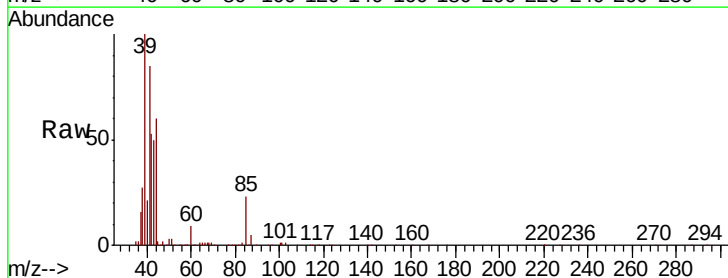
Instrument :
 MSVOA_L
 ClientSampleId :

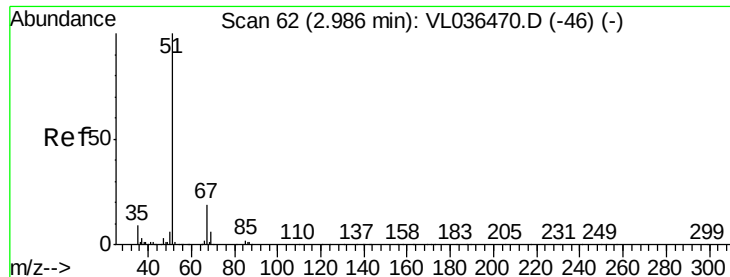
Tot Ion: 49 Resp: 1353109
 Ion Ratio Lower Upper
 49 100
 128 46.1 23.5 70.6
 130 58.3 29.1 87.4



#2
 Dichlorodifluoromethane
 Concen: 0.173 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 85 Resp: 38241
 Ion Ratio Lower Upper
 85 100
 87 23.4 27.8 41.8#





#3

Chlorodifluoromethane

Concen: 0.699 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

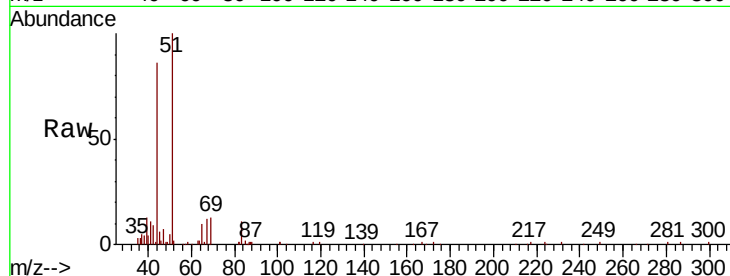
ClientSampleId :

Tot Ion: 51 Resp: 176814

Ion Ratio Lower Upper

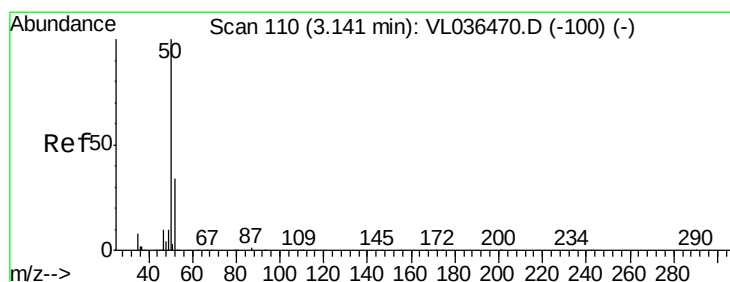
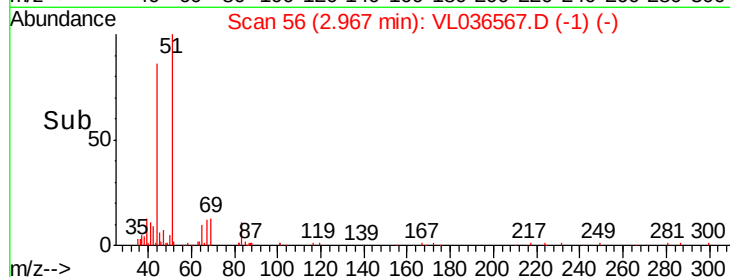
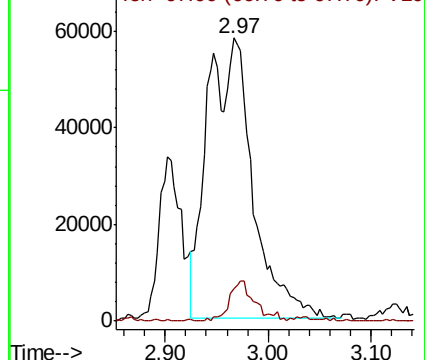
51 100

67 8.3 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: 1.392 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036567.D

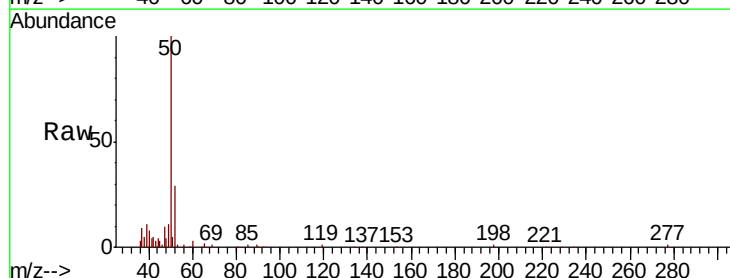
Acq: 30 Mar 2021 13:04

Tgt Ion: 50 Resp: 124343

Ion Ratio Lower Upper

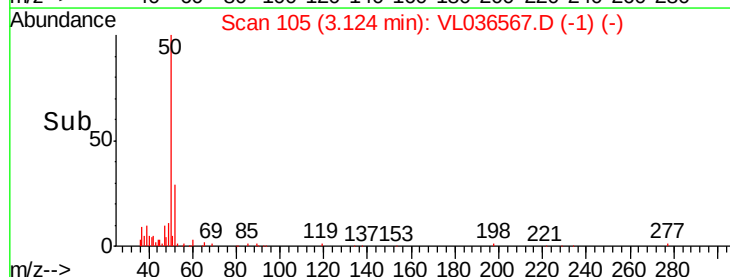
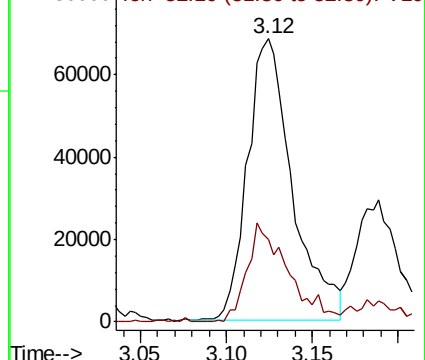
50 100

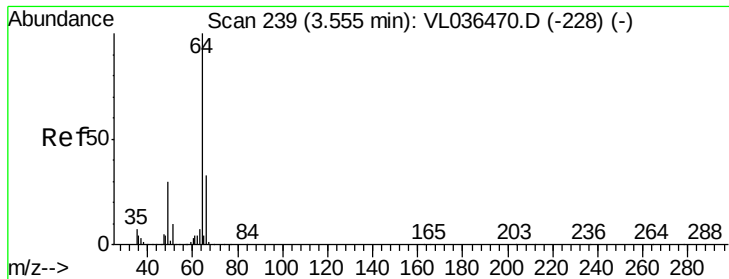
52 29.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.039 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

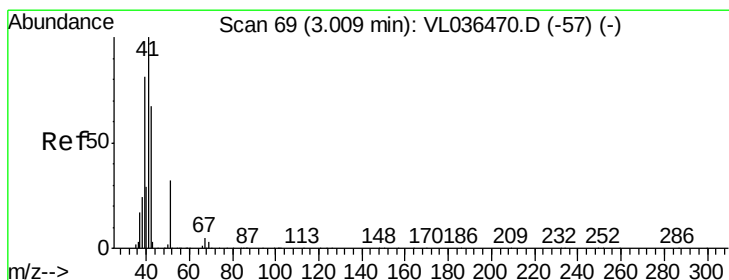
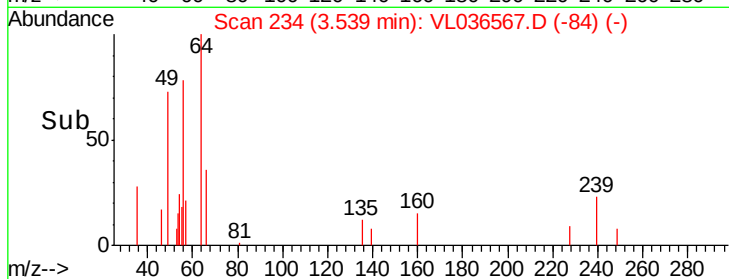
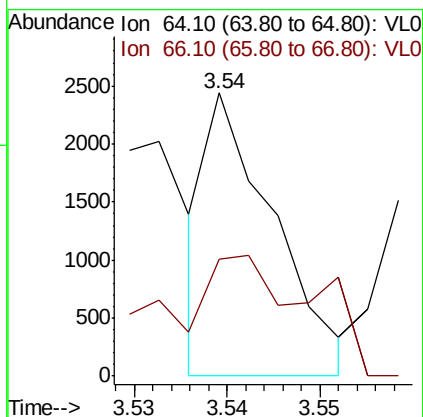
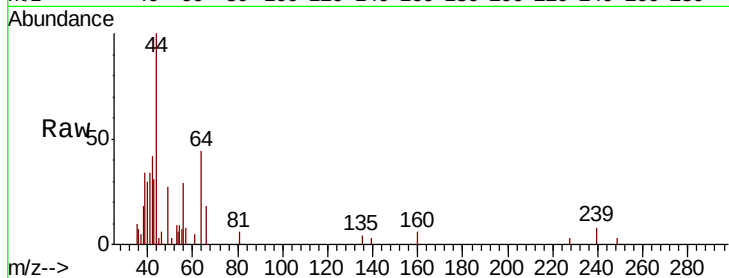
ClientSampleId :

Tot Ion: 64 Resp: 1242

Ion Ratio Lower Upper

64 100

66 41.3 26.2 39.2#



#9

Propene

Concen: 16.975 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL036567.D

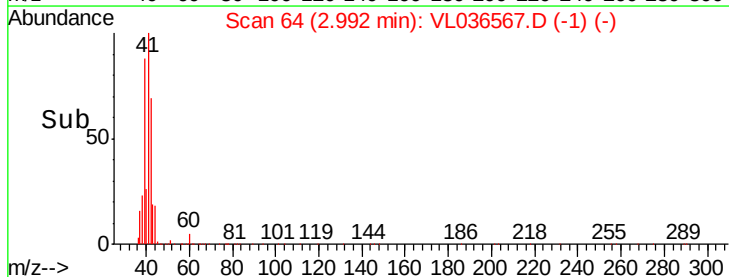
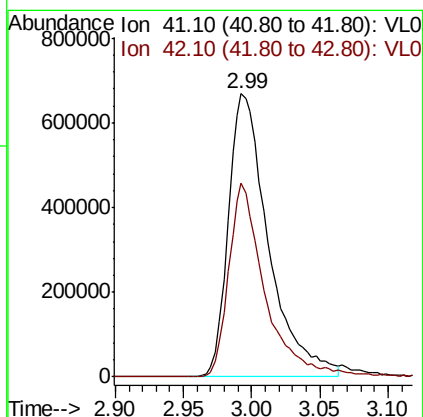
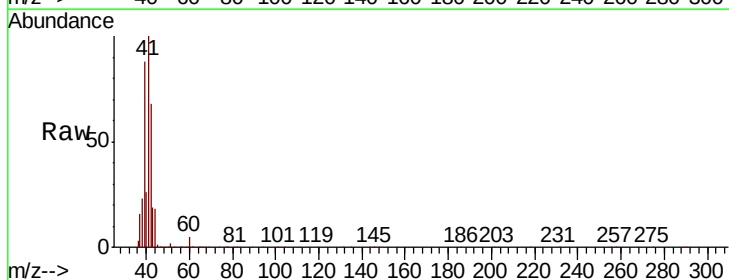
Acq: 30 Mar 2021 13:04

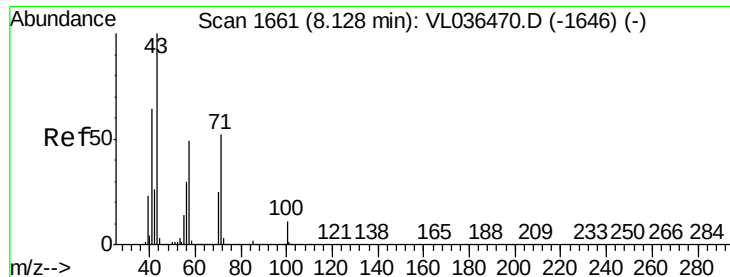
Tgt Ion: 41 Resp: 1368108

Ion Ratio Lower Upper

41 100

42 62.3 57.0 85.4





#10

Heptane

Concen: 2.484 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

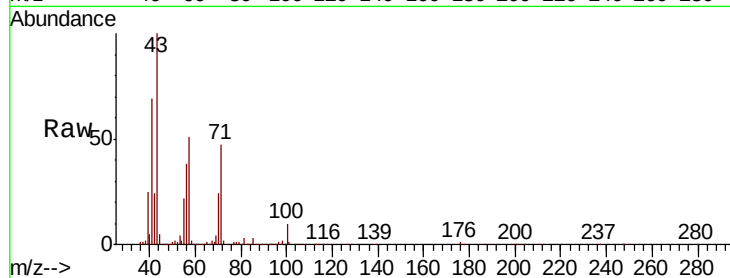
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 509911

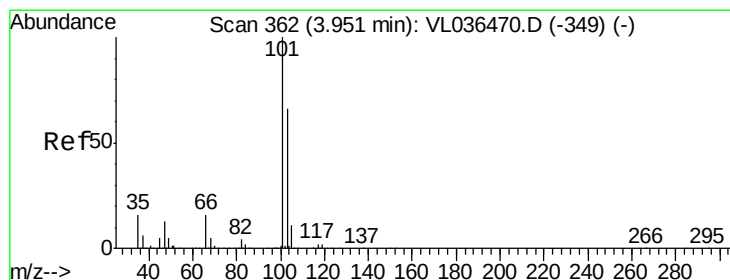
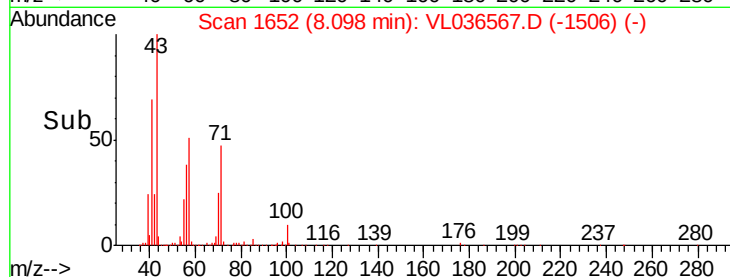
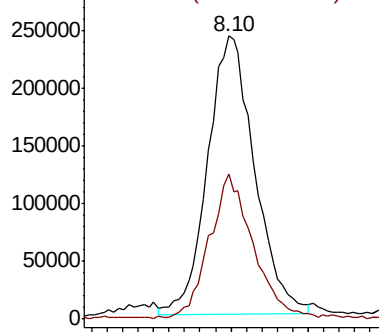
Ion Ratio Lower Upper

43 100

57 48.9 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.021 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL036567.D

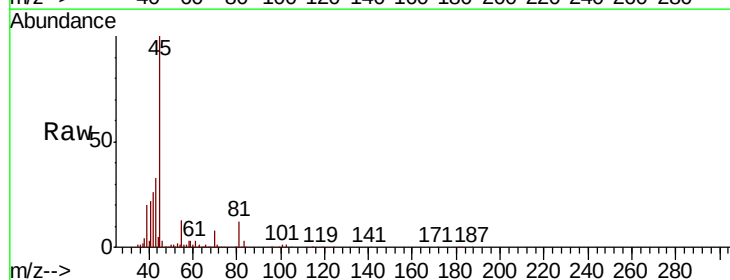
Acq: 30 Mar 2021 13:04

Tgt Ion:101 Resp: 4646

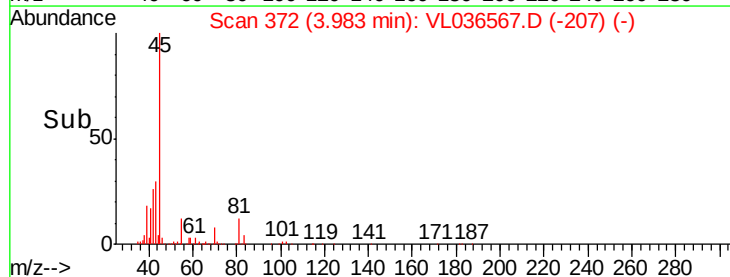
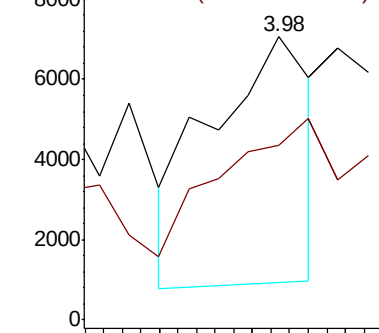
Ion Ratio Lower Upper

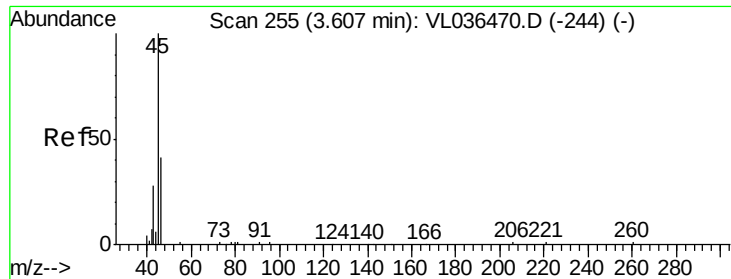
101 100

103 73.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V

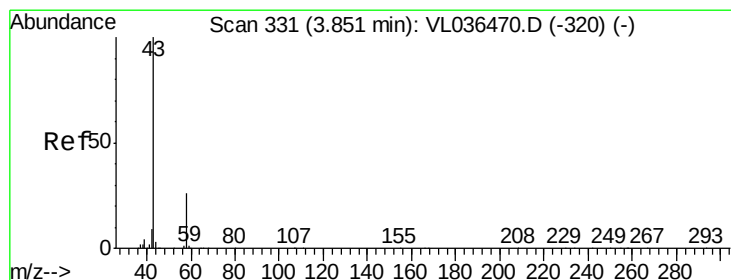
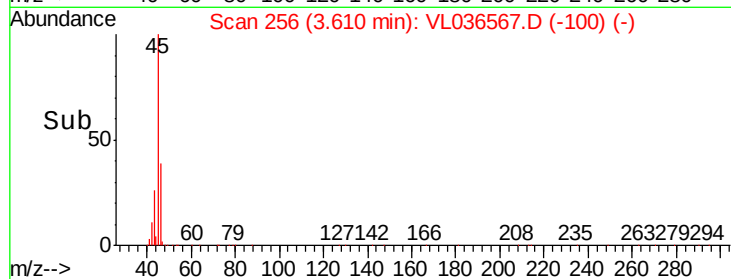
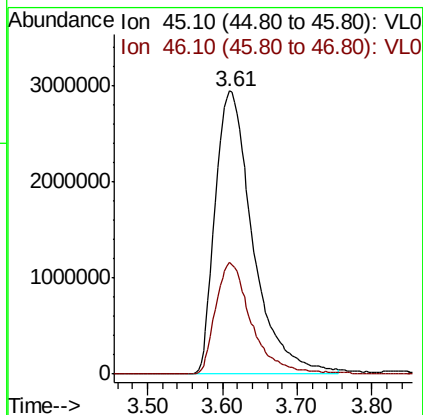
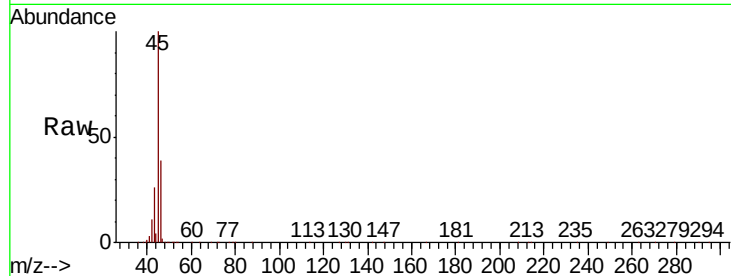




#13
Ethanol
Concen: 1075.394 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

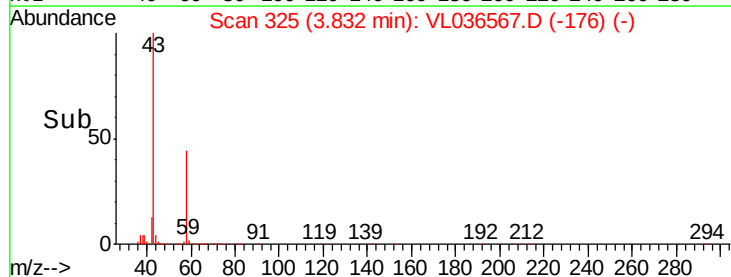
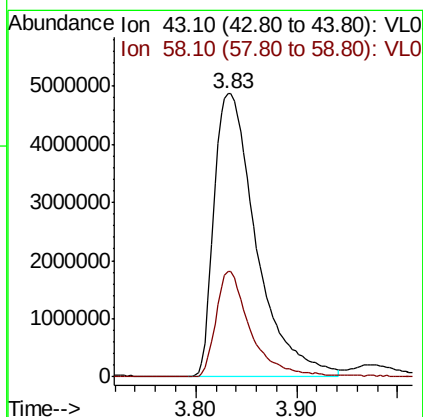
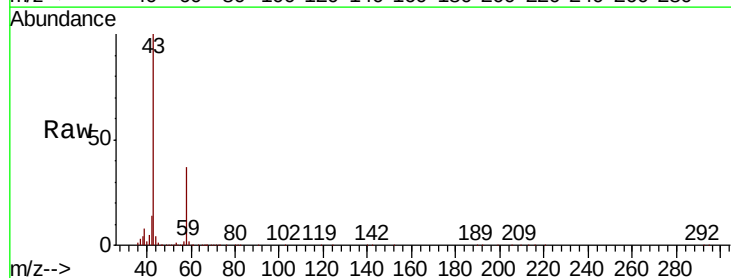
Instrument :
MSVOA_L
ClientSampleId :

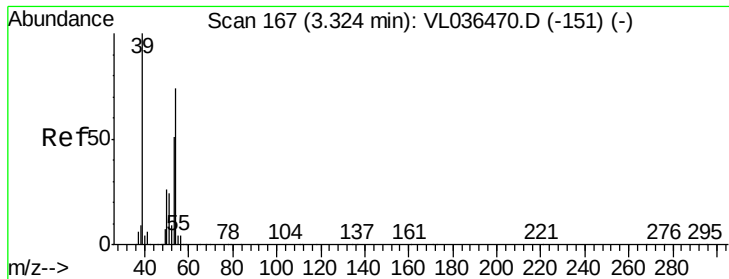
Tot Ion: 45 Resp:10321109
Ion Ratio Lower Upper
45 100
46 37.9 16.6 66.2



#15
Acetone
Concen: 106.722 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 43 Resp:14212935
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8

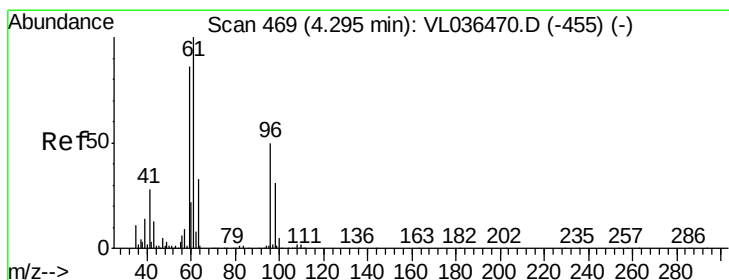
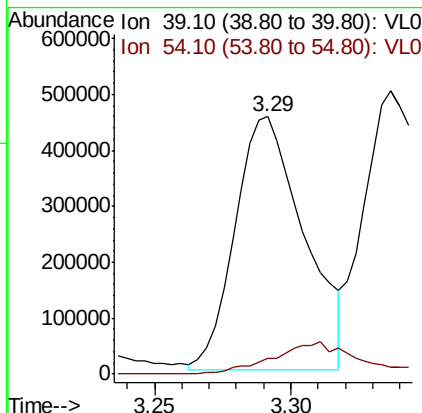
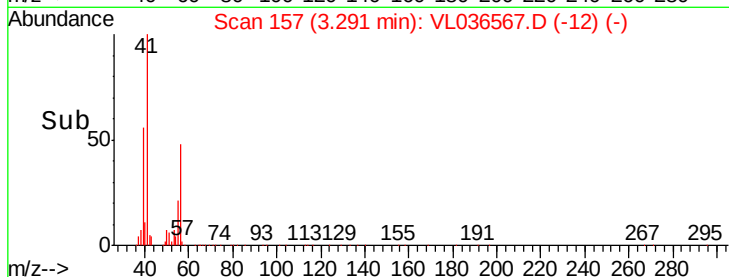
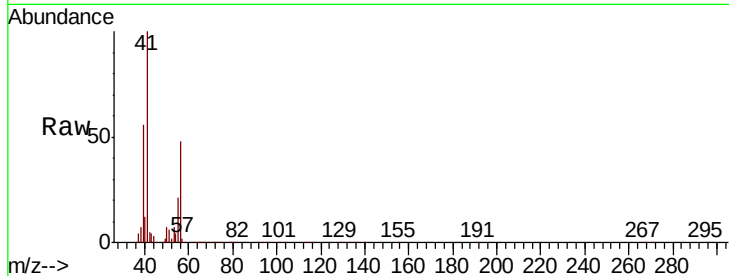




#16
 1,3-Butadiene
 Concen: 8.579 ppbv
 RT: 3.29 min Scan# 157
 Delta R.T. -0.03 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

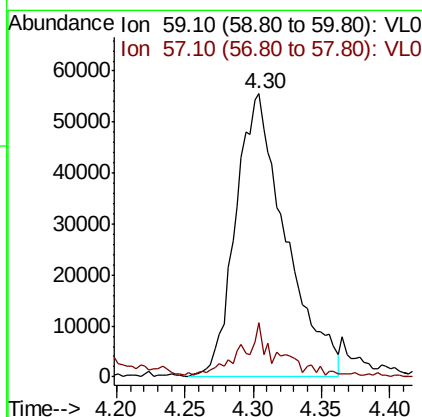
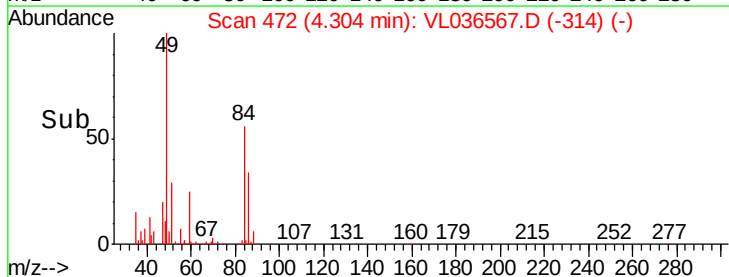
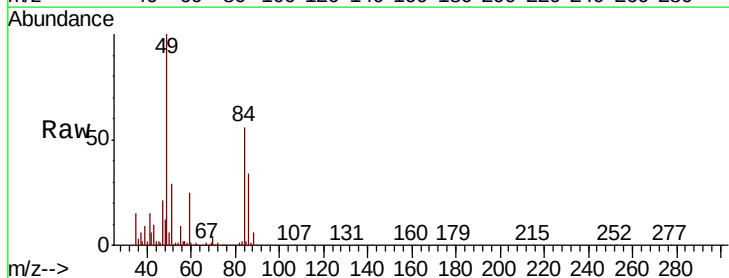
Instrument :
 MSVOA_L
 ClientSampled :

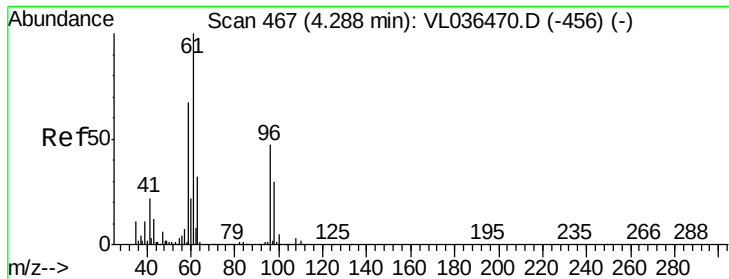
Tot Ion: 39 Resp: 795391
 Ion Ratio Lower Upper
 39 100
 54 16.9 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 1.221 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 59 Resp: 141574
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

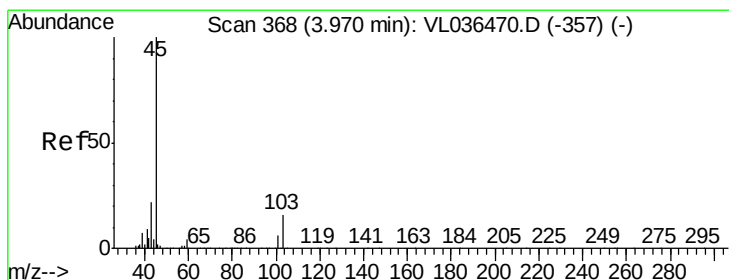
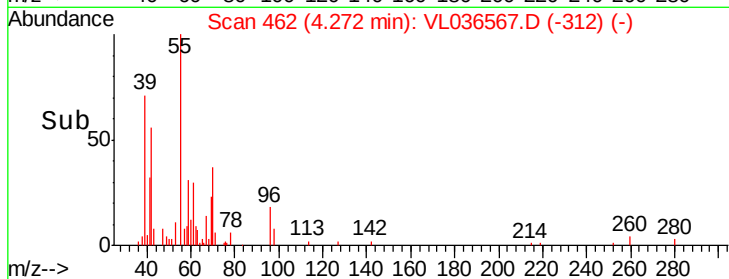
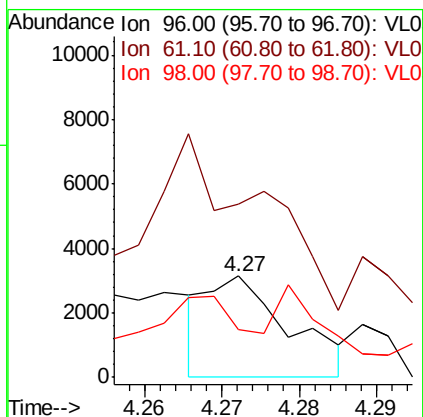
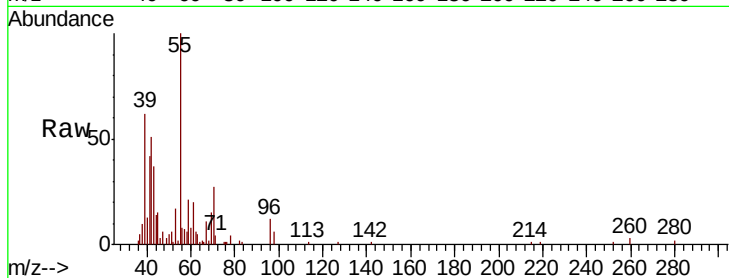




#18
 1,1-Dichloroethene
 Concen: 0.036 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

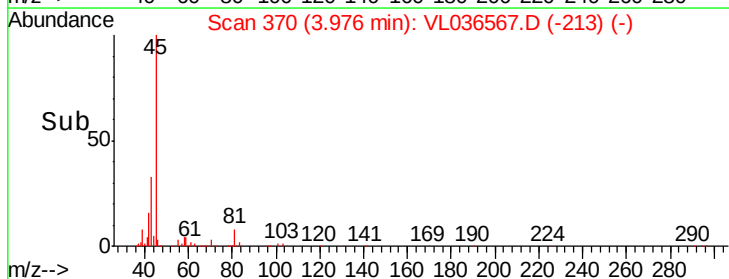
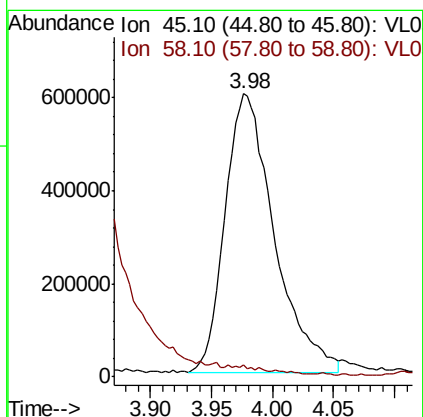
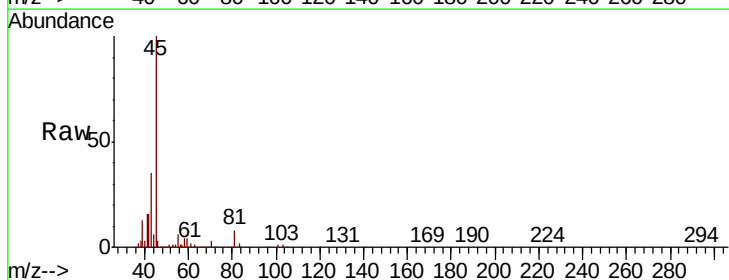
Instrument :
 MSVOA_L
 ClientSampled :

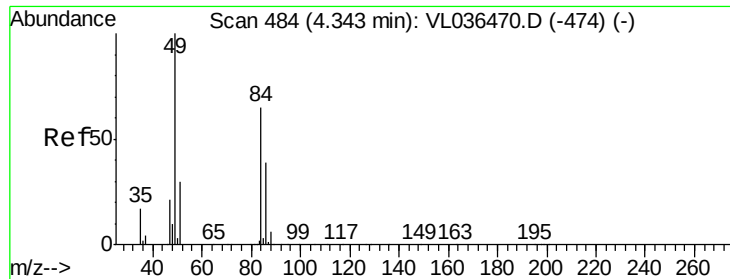
Tot Ion: 96 Resp: 2285
 Ion Ratio Lower Upper
 96 100
 61 153.4 168.6 253.0#
 98 7.9 50.8 76.2#



#19
 Isopropyl Alcohol
 Concen: 22.986 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 45 Resp: 1683968
 Ion Ratio Lower Upper
 45 100
 58 264.3 2.9 4.3#



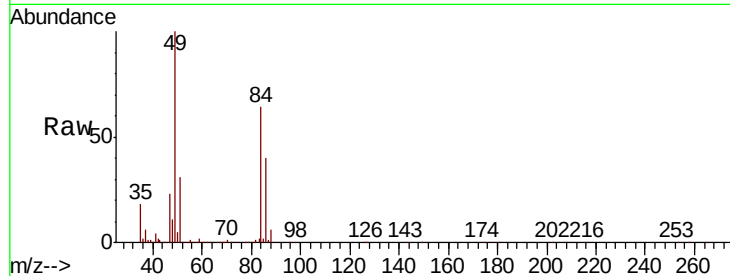


#20
Methylene Chloride
Concen: 27.666 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1725119

Ion	Ratio	Lower	Upper
84	100		
49	157.2	122.9	184.3
51	49.0	36.9	55.3
86	63.3	48.2	72.4



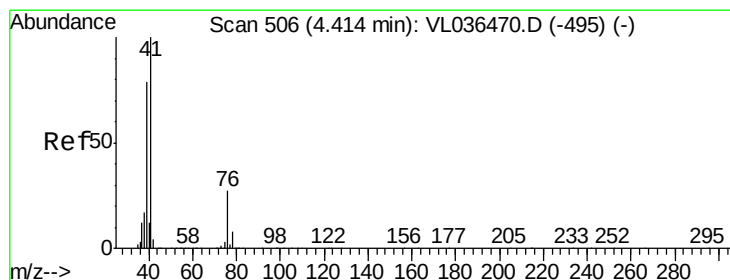
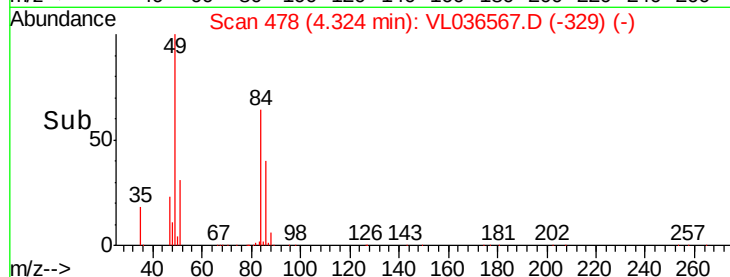
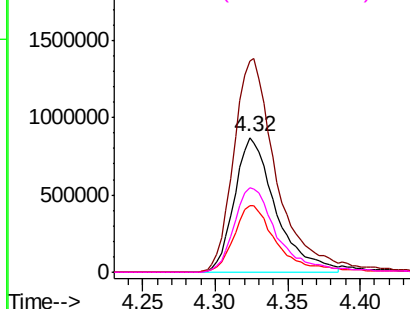
Abundance

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

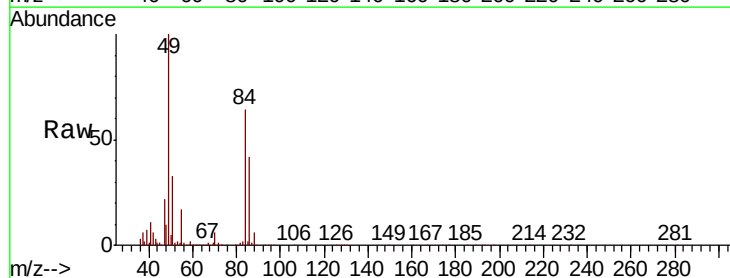
Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.382 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.07 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 41 Resp: 40538

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	233.4	67.3	100.9#

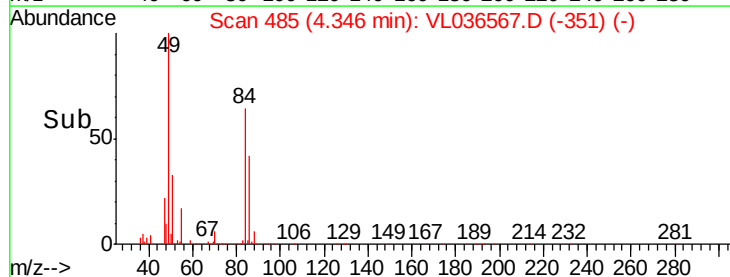
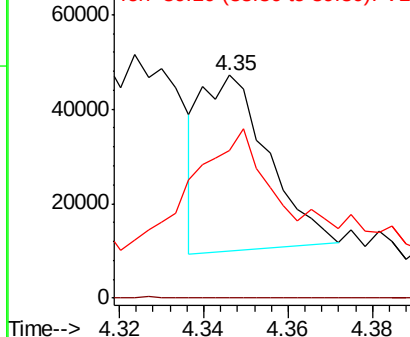


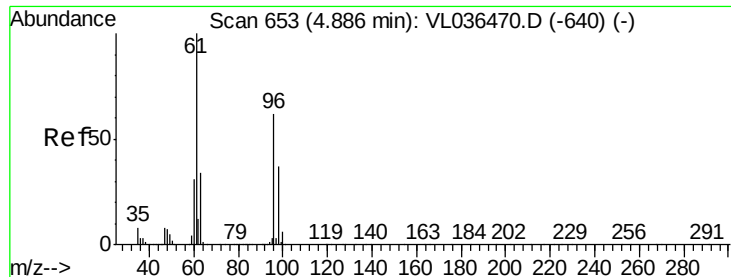
Abundance

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: 0.102 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampled :

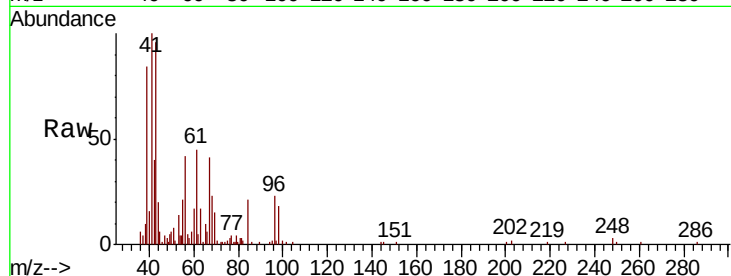
Tot Ion: 96 Resp: 6042

Ion Ratio Lower Upper

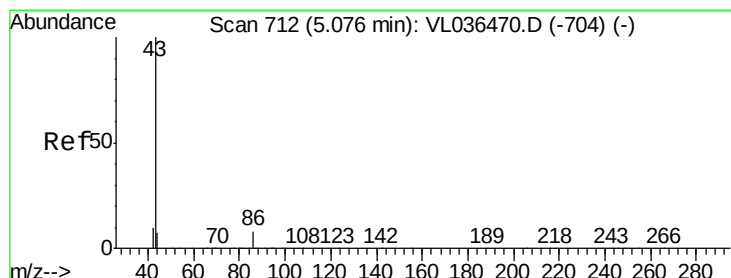
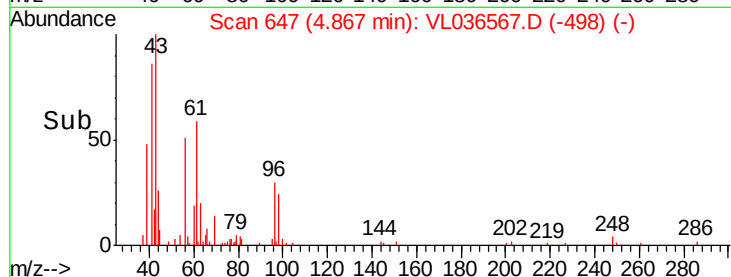
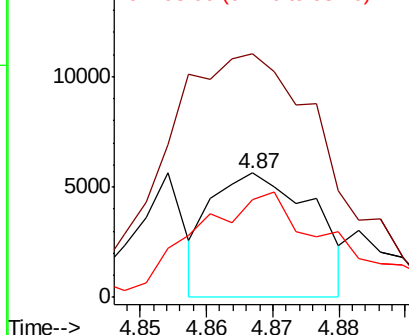
96 100

61 186.9 129.4 194.0

98 49.2 48.2 72.4



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



#23

Vinyl Acetate

Concen: 0.296 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion: 43 Resp: 67496

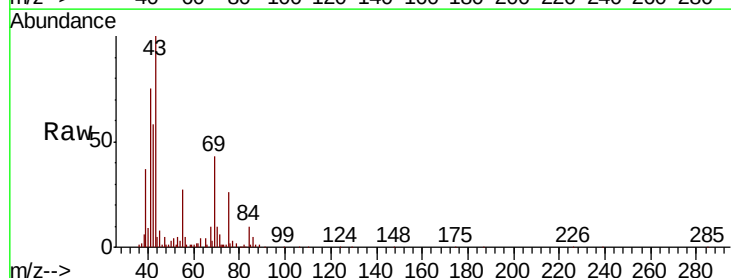
Ion Ratio Lower Upper

43 100

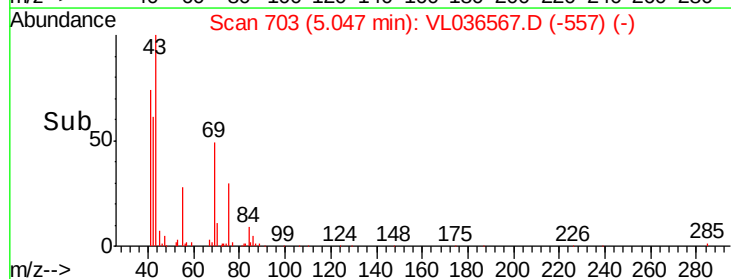
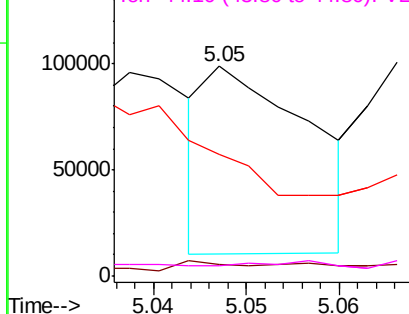
86 1.3 5.4 8.0#

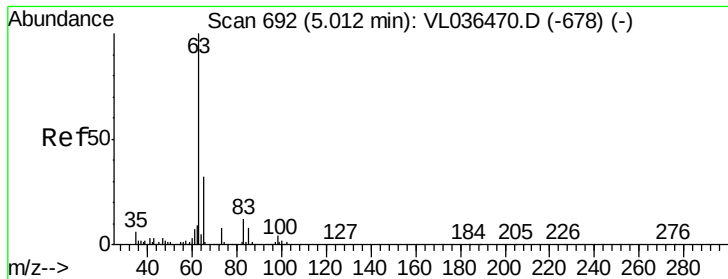
42 57.1 8.5 12.7#

44 1.0 4.6 7.0#



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





#24

1,1-Dichloroethane

Concen: 0.352 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL036567.D

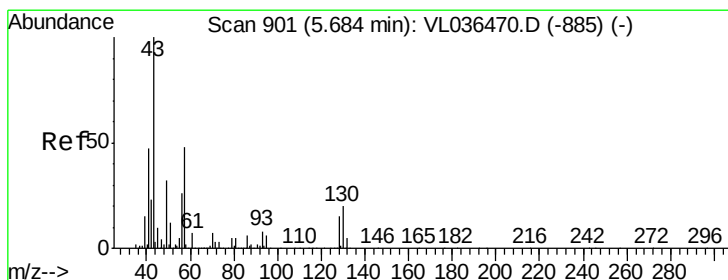
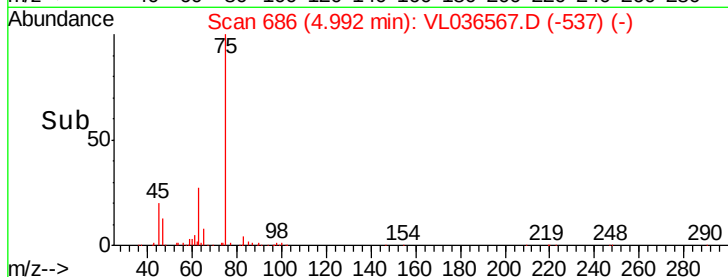
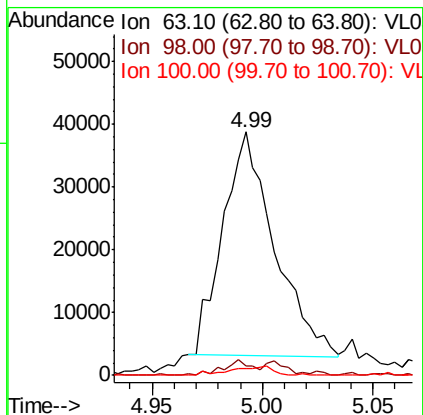
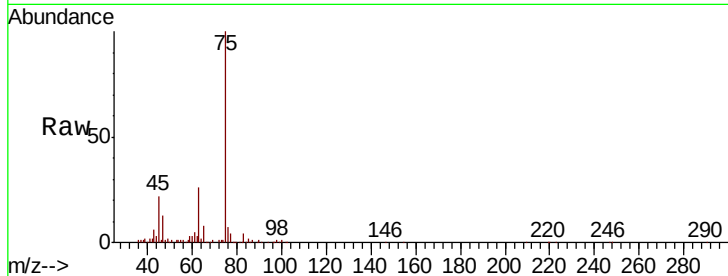
Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	63	Resp:	58505
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	3.0	0.9	2.8#



#25

Ethyl Acetate

Concen: 8.193 ppbv

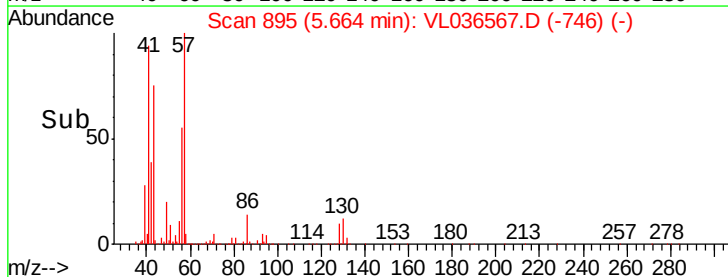
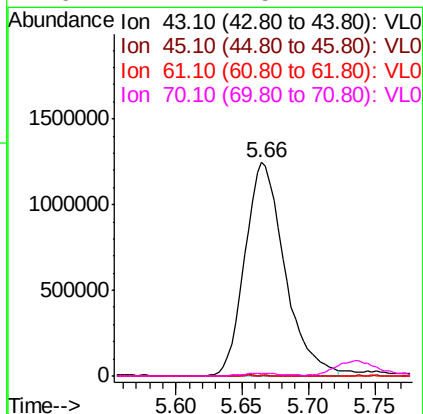
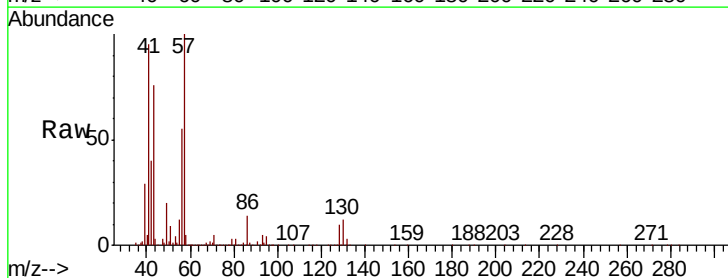
RT: 5.66 min Scan# 895

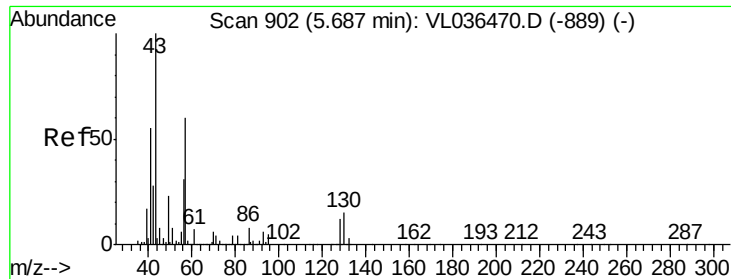
Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	43	Resp:	2594073
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.9	11.9#
61	0.4	7.4	11.2#
70	1.4	5.1	7.7#



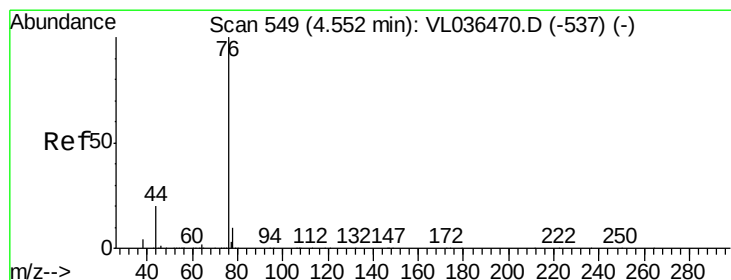
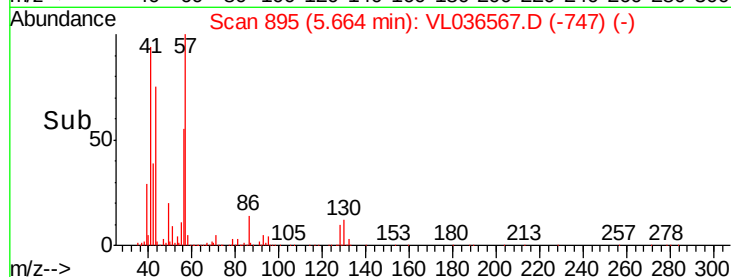
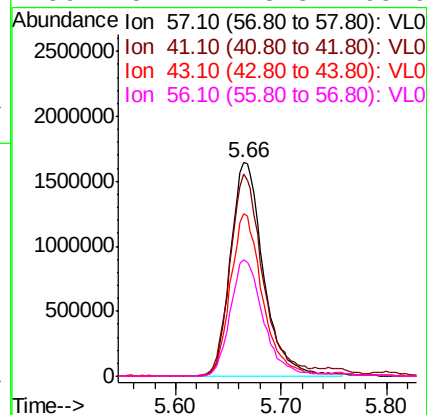
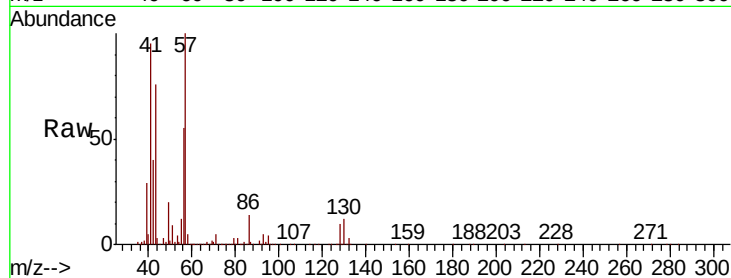


#26
Hexane
Concen: 24.177 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 3552426

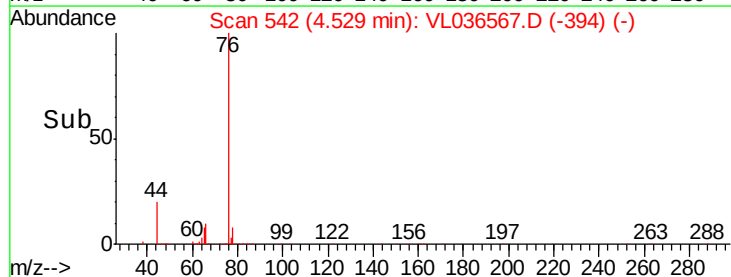
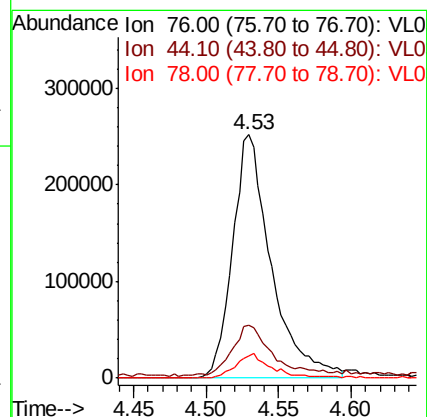
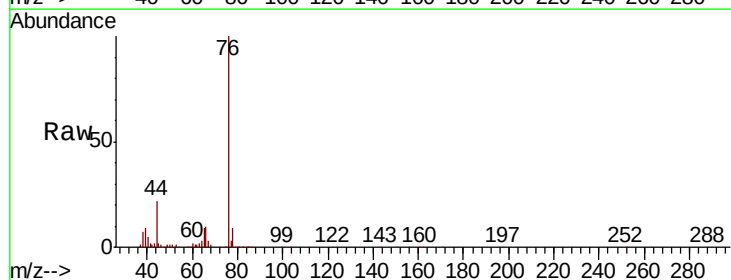
Ion	Ratio	Lower	Upper
57	100		
41	98.8	77.2	115.8
43	75.3	173.8	260.6#
56	54.7	43.8	65.6

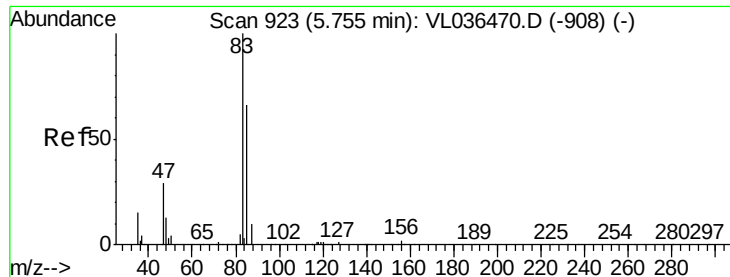


#27
Carbon Disulfide
Concen: 3.211 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 76 Resp: 464736

Ion	Ratio	Lower	Upper
76	100		
44	22.8	17.5	26.3
78	9.8	8.6	13.0

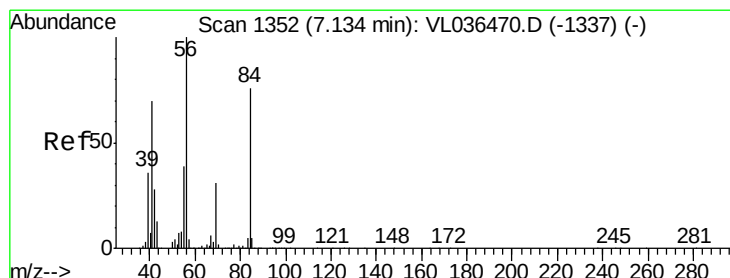
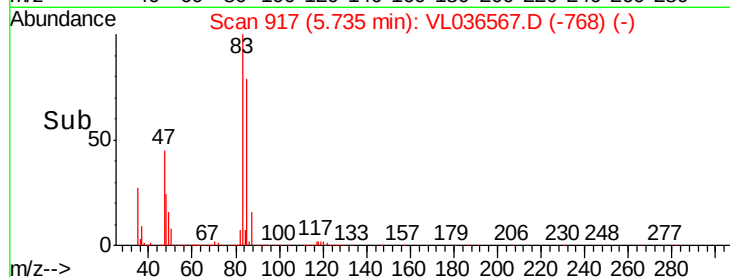
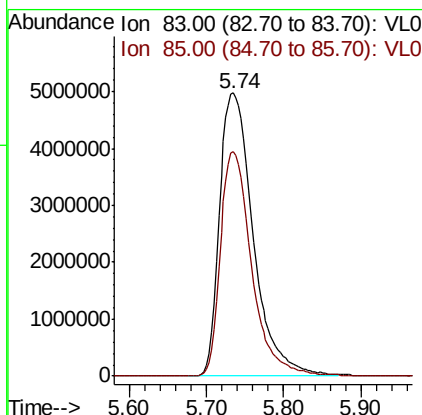
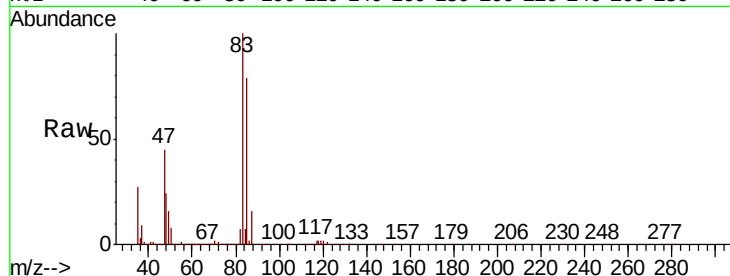




#29
Chloroform
Concen: 64.465 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

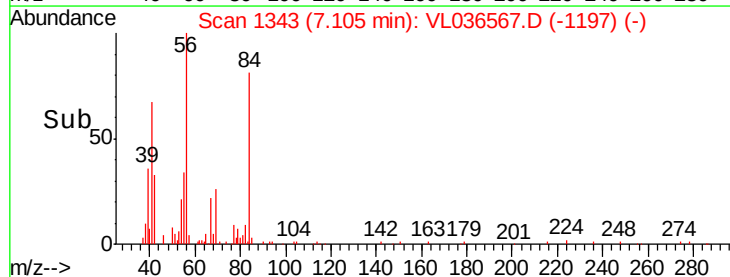
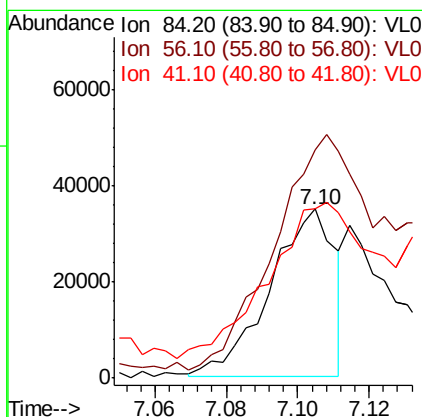
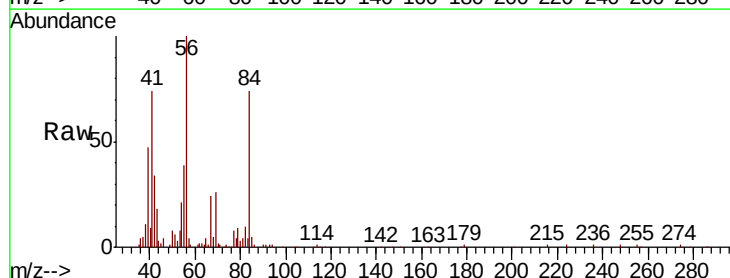
Instrument :
MSVOA_L
ClientSampled :

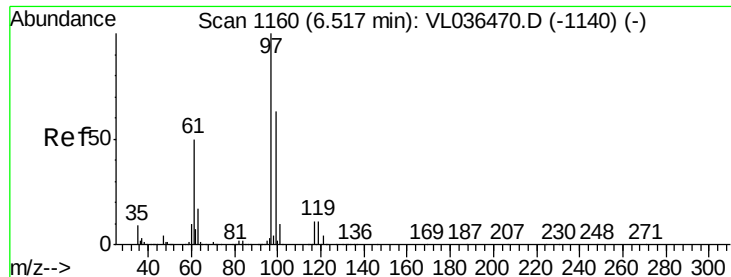
Tot Ion: 83 Resp:15148098
Ion Ratio Lower Upper
83 100
85 79.0 52.6 78.8#



#30
Cyclohexane
Concen: 0.368 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 84 Resp: 43835
Ion Ratio Lower Upper
84 100
56 214.9 114.6 171.8#
41 149.8 75.3 112.9#





#32

1,1,1-Trichloroethane

Concen: 1.932 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

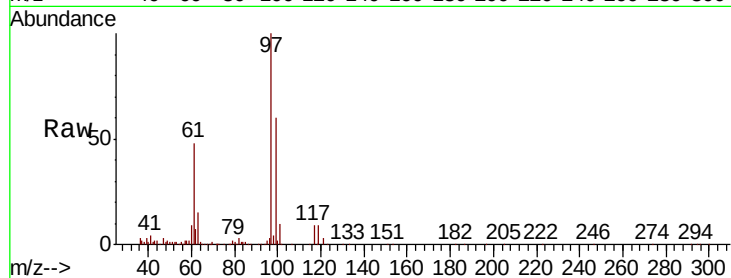
Tot Ion: 97 Resp: 457598

Ion Ratio Lower Upper

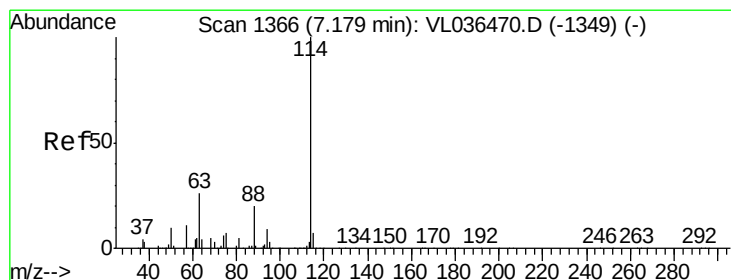
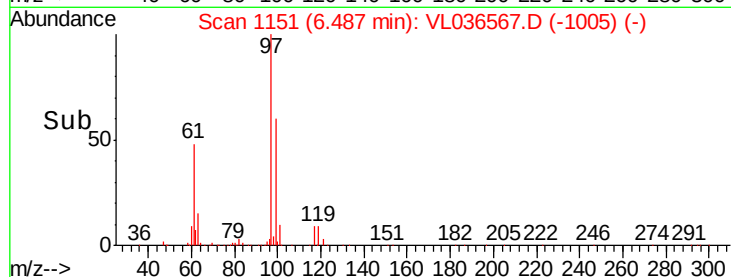
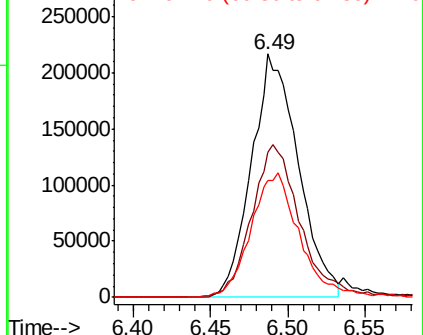
97 100

99 65.2 51.4 77.0

61 53.5 40.6 60.8



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: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

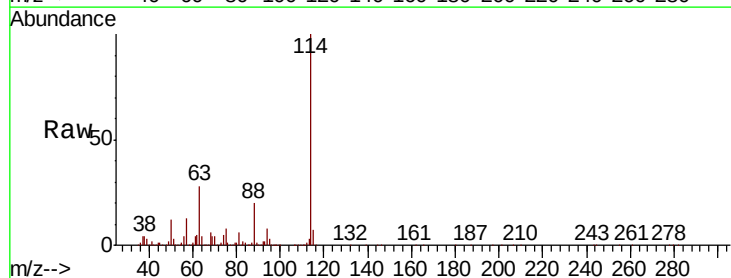
Tgt Ion: 114 Resp: 3406357

Ion Ratio Lower Upper

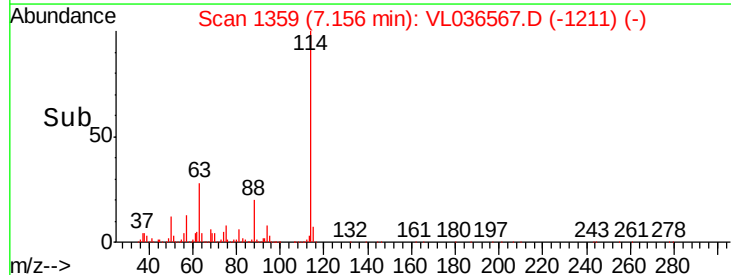
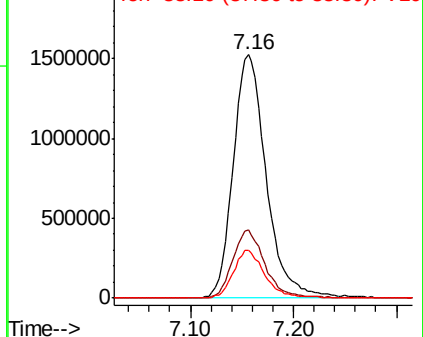
114 100

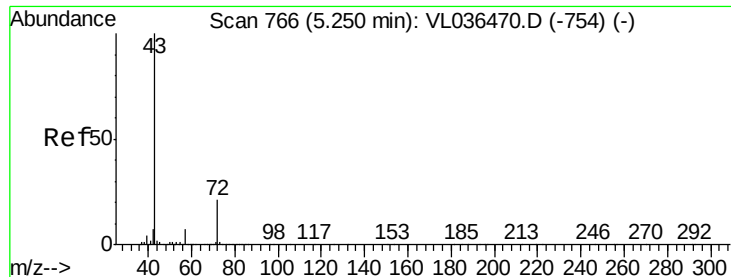
63 27.8 22.4 33.6

88 18.9 15.4 23.0



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: 9.496 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

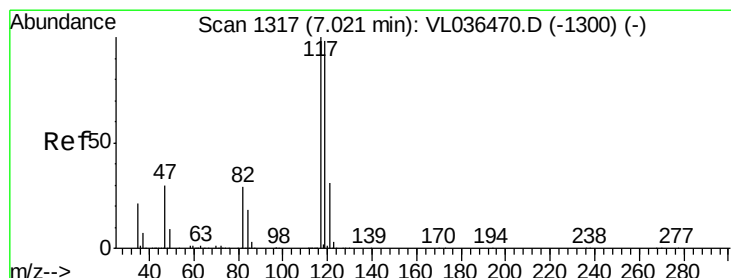
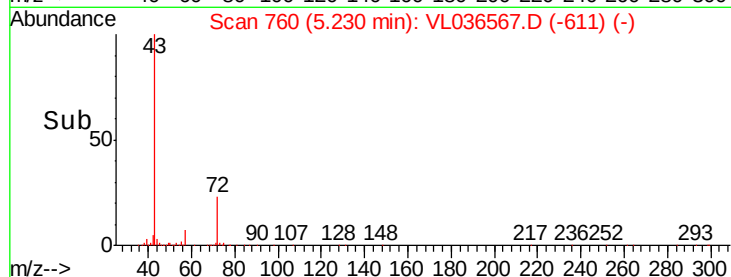
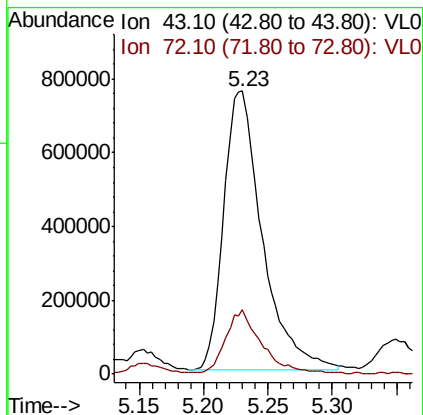
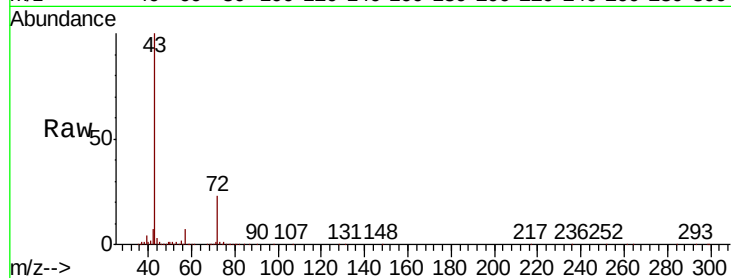
ClientSampled :

Tot Ion: 43 Resp: 1578959

Ion Ratio Lower Upper

43 100

72 20.8 17.0 25.6



#35

Carbon Tetrachloride

Concen: 0.134 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

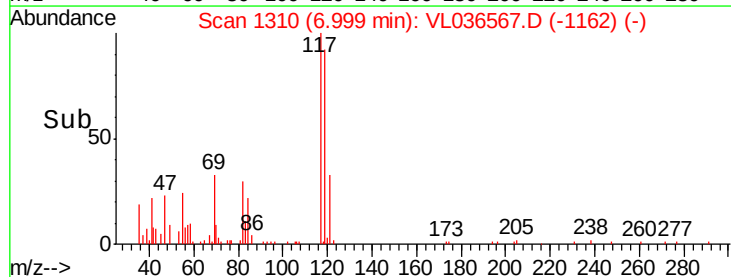
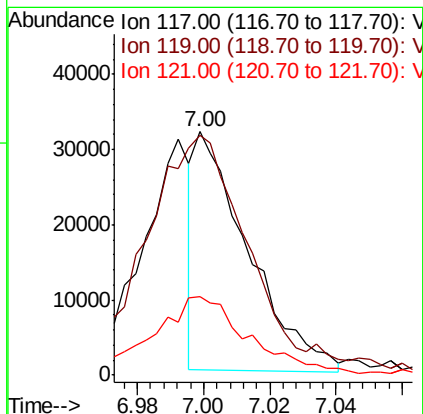
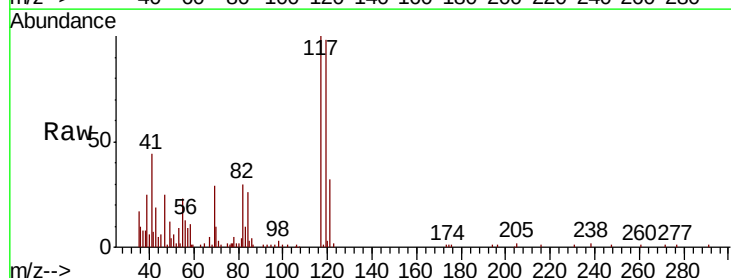
Tgt Ion: 117 Resp: 34944

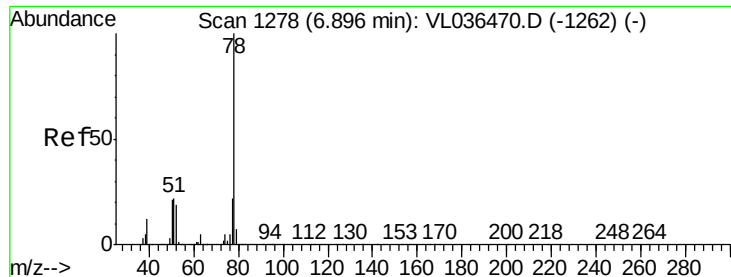
Ion Ratio Lower Upper

117 100

119 100.1 78.2 117.2

121 30.9 24.5 36.7





#36

Benzene

Concen: 4.343 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

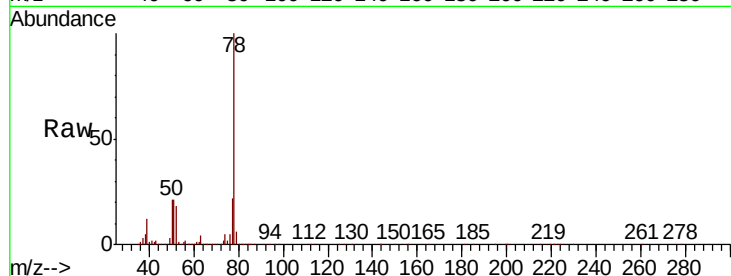
Tot Ion: 78 Resp: 1364532

Ion Ratio Lower Upper

78 100

77 21.8 18.0 27.0

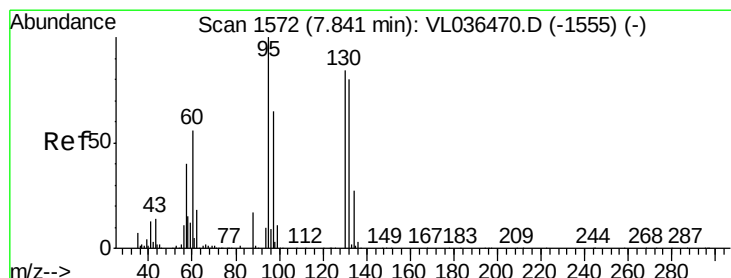
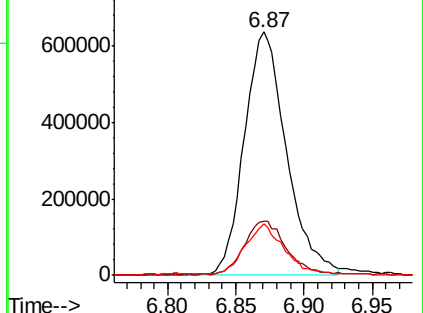
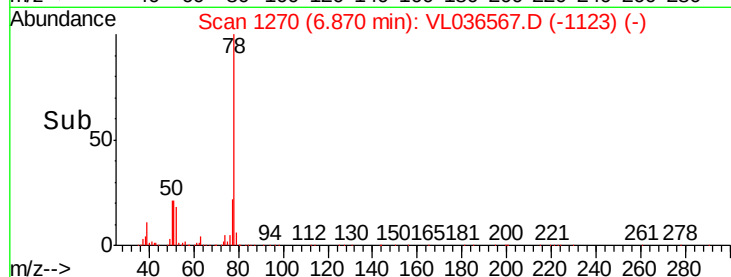
50 20.6 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 0.042 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion: 130 Resp: 5111

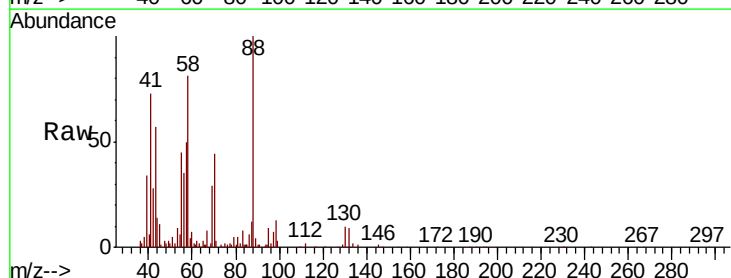
Ion Ratio Lower Upper

130 100

95 73.6 95.7 143.5#

132 83.9 76.2 114.4

97 41.3 61.8 92.6#

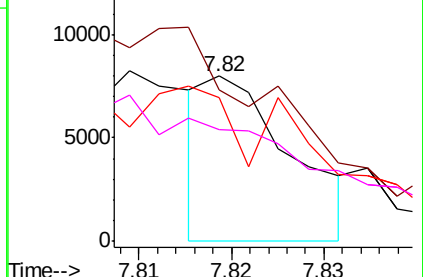
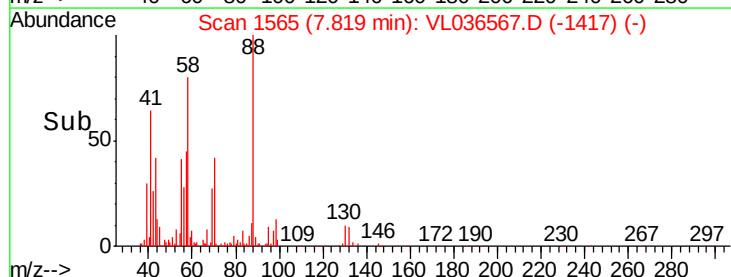


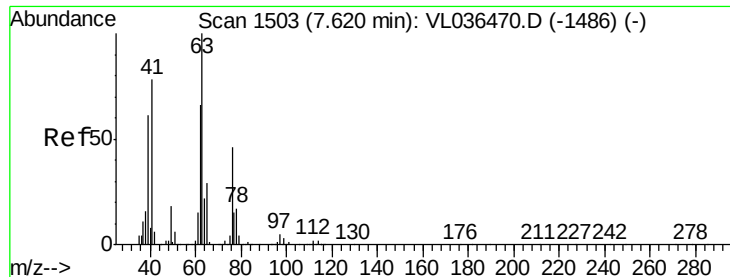
Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.168 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.46 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

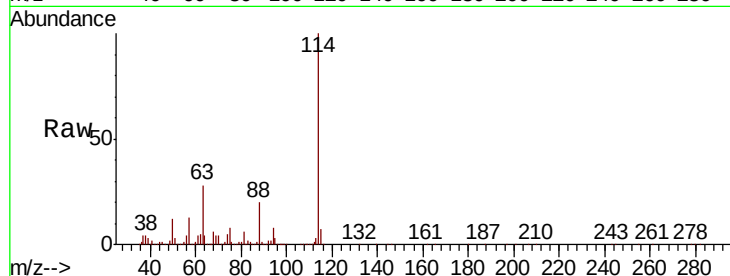
Tot Ion: 63 Resp: 913491

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

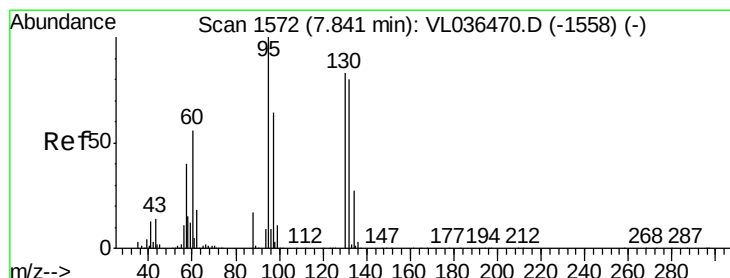
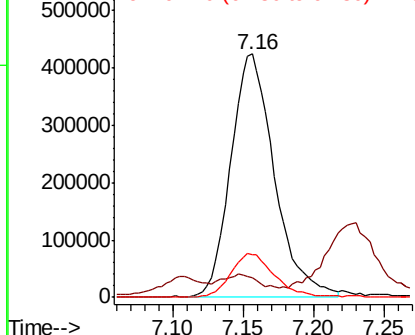
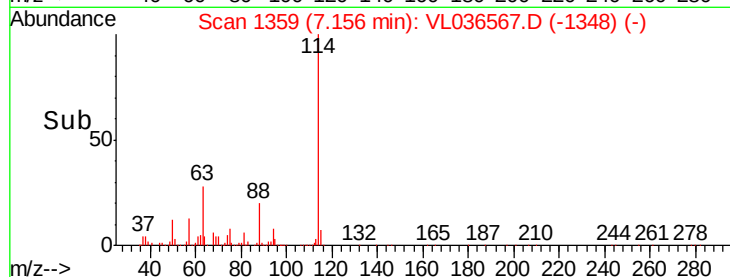
62 17.2 52.8 79.2#



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



#40

1,4-Dioxane

Concen: 8.359 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion: 88 Resp: 247926

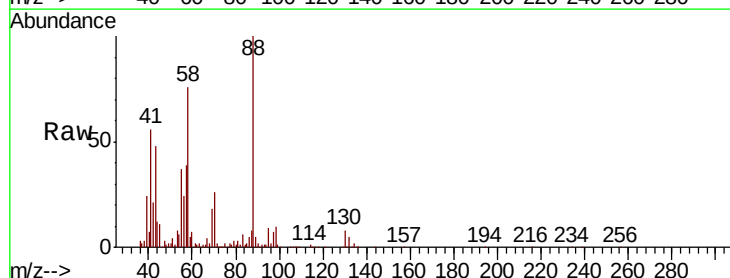
Ion Ratio Lower Upper

88 100

58 91.1 134.1 201.1#

43 65.2 346.6 520.0#

57 0.0 1481.8 2222.8#

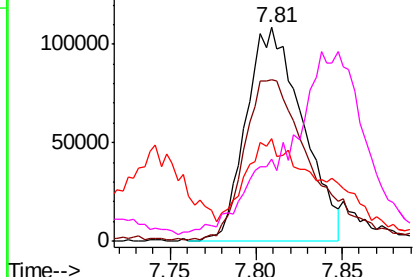
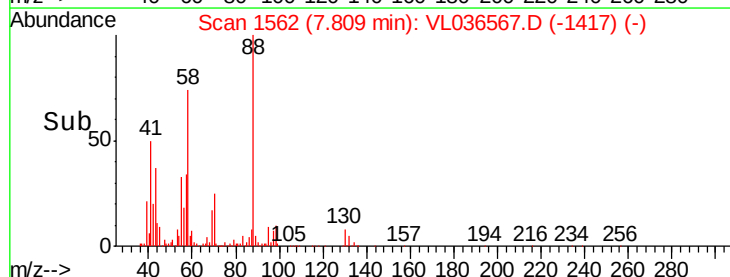


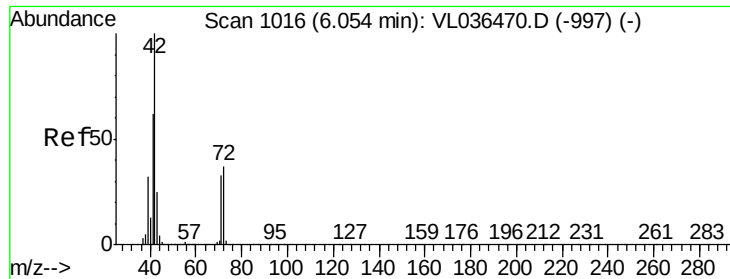
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

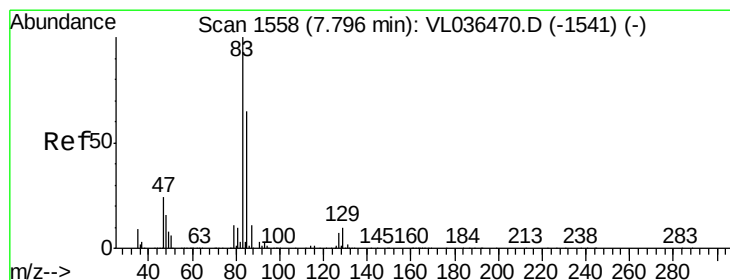
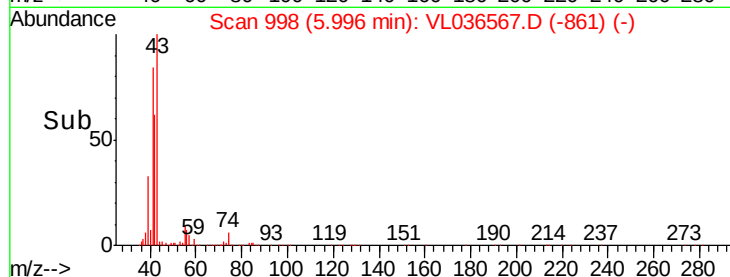
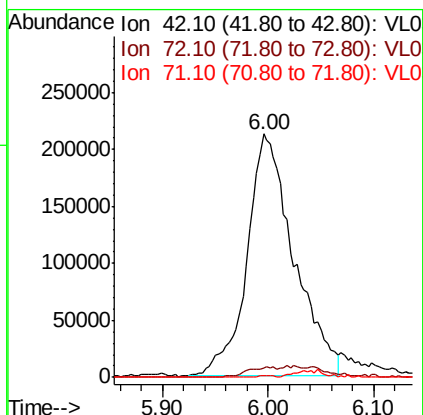
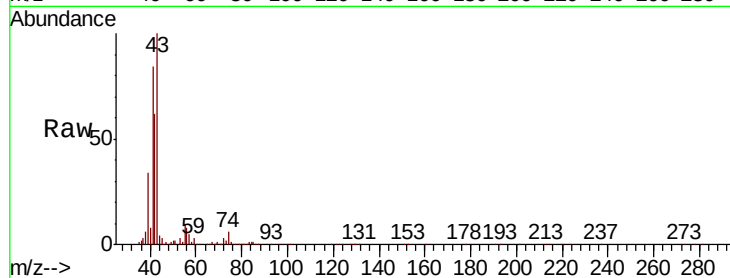




#41
Tetrahydrofuran
Concen: 8.518 ppbv
RT: 6.00 min Scan# 998
Delta R.T. -0.06 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

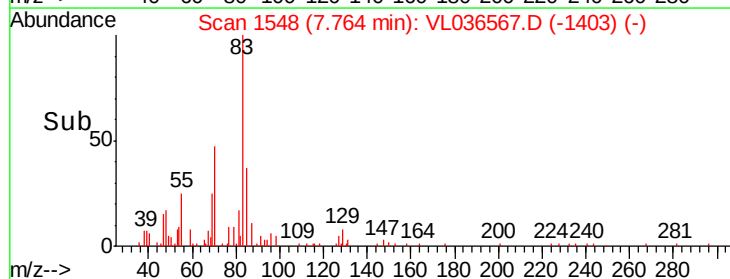
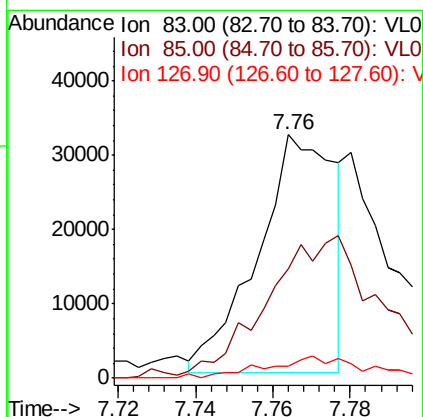
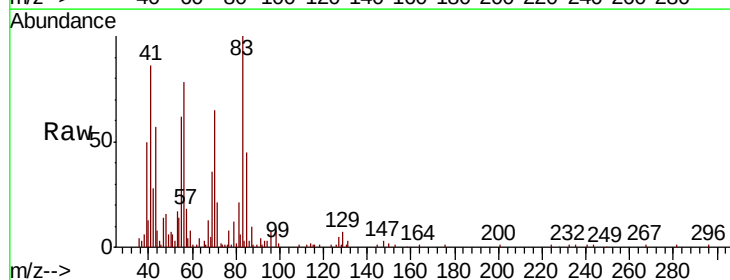
Instrument :
MSVOA_L
ClientSampleId :

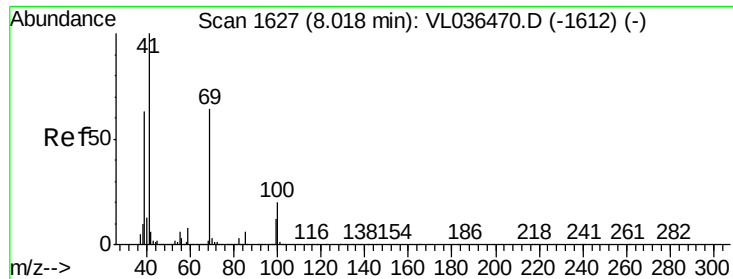
Tot Ion	Ratio	Lower	Upper
42	100		
72	7.6	27.6	41.4#
71	2.2	27.0	40.4#



#42
Bromodichloromethane
Concen: 0.176 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	44.8	51.8	77.6#
127	3.7	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.065 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.03 min

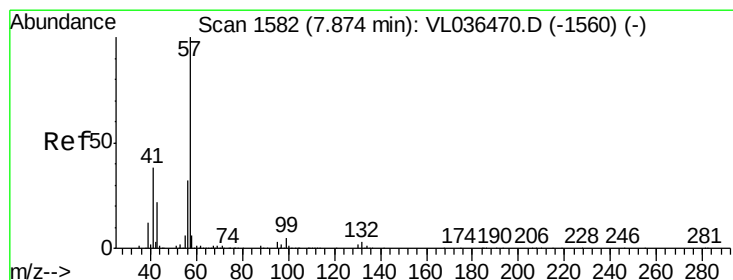
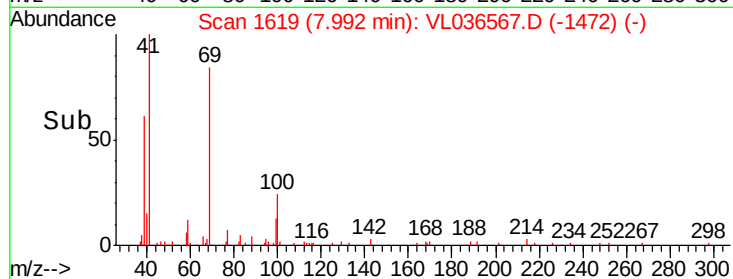
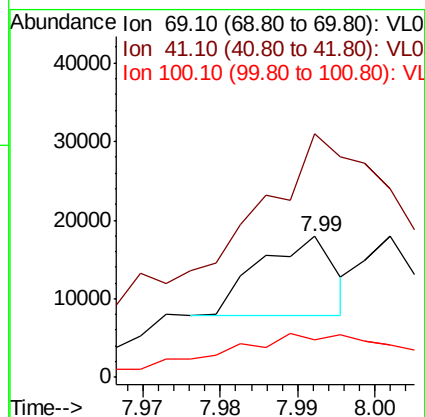
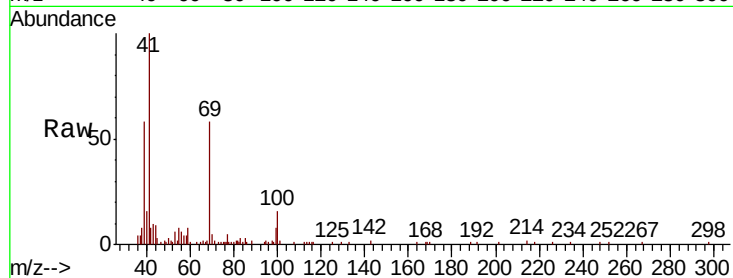
Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 6805

Ion	Ratio	Lower	Upper
69	100		
41	657.9	126.8	190.2#
100	187.2	24.9	37.3#



#44

2,2,4-Trimethylpentane

Concen: 0.252 ppbv

RT: 7.85 min Scan# 1574

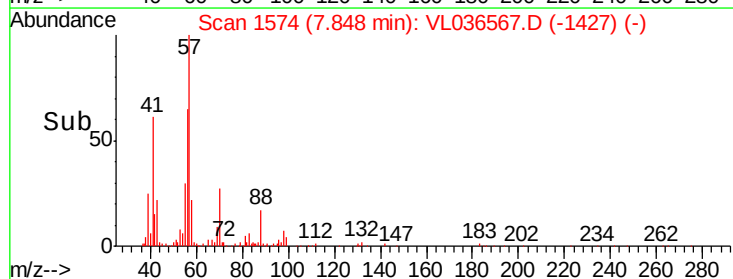
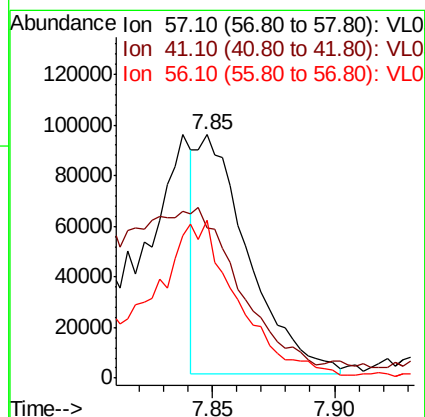
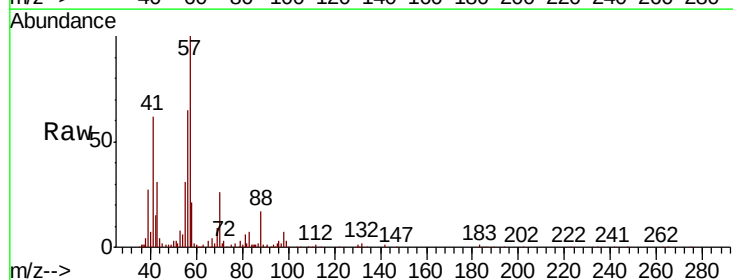
Delta R.T. -0.03 min

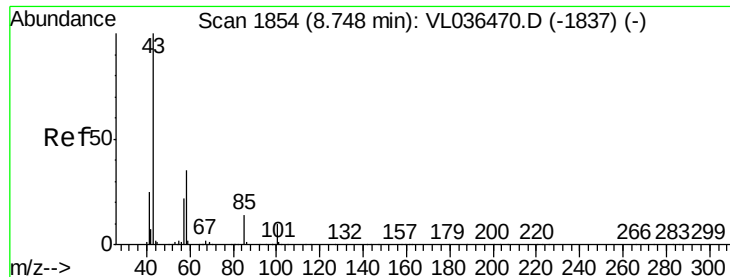
Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion: 57 Resp: 139138

Ion	Ratio	Lower	Upper
57	100		
41	235.9	28.8	43.2#
56	98.5	26.1	39.1#

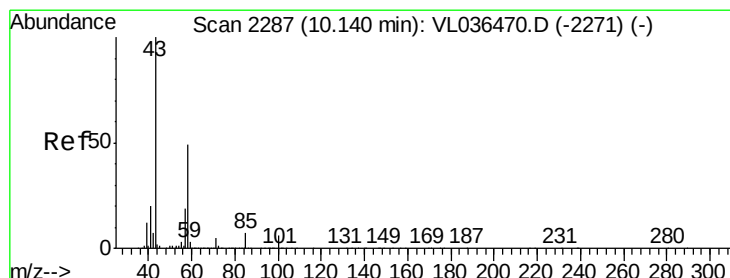
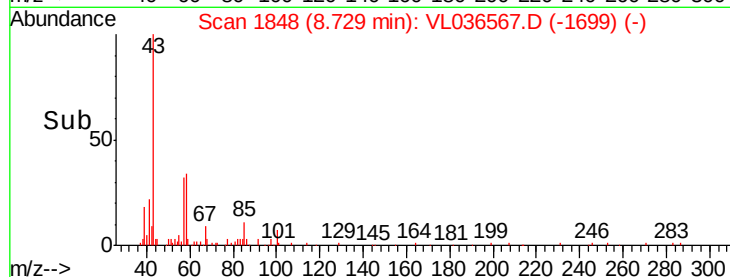
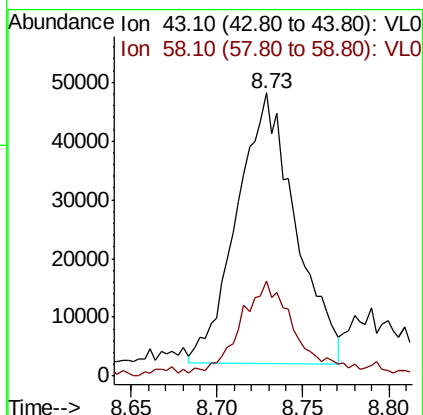
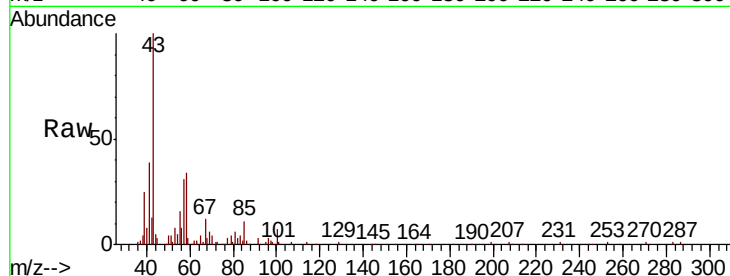




#50
4-Methyl-2-Pentanone
Concen: 0.451 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

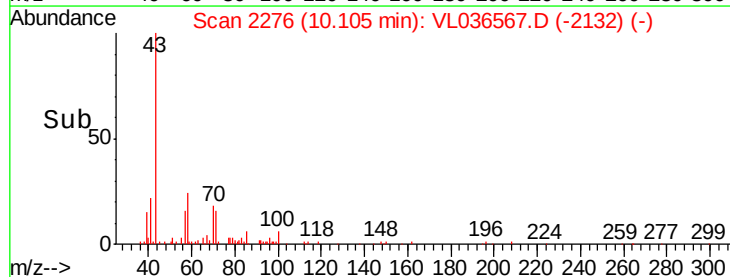
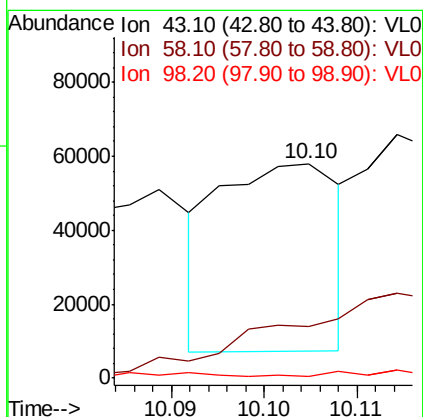
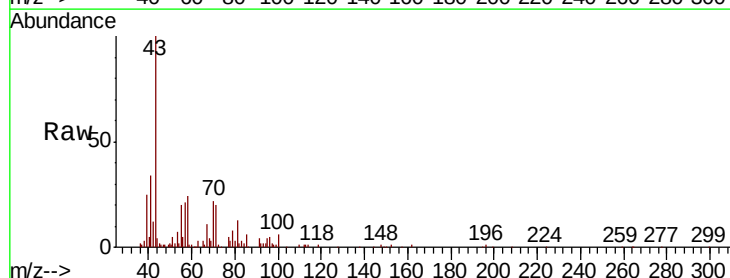
Instrument :
MSVOA_L
ClientSampled :

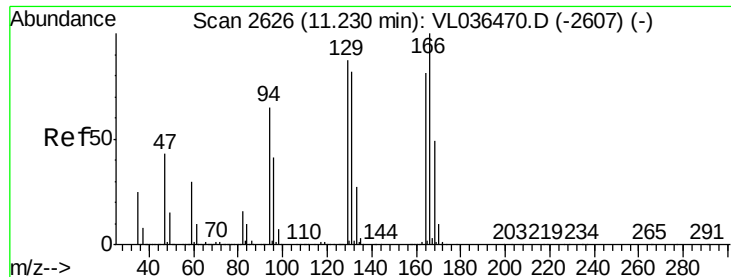
Tot Ion: 43 Resp: 108541
Ion Ratio Lower Upper
43 100
58 32.3 28.2 42.2



#51
2-Hexanone
Concen: 0.375 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 43 Resp: 45584
Ion Ratio Lower Upper
43 100
58 0.0 37.7 56.5#
98 5.6 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.214 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 24798

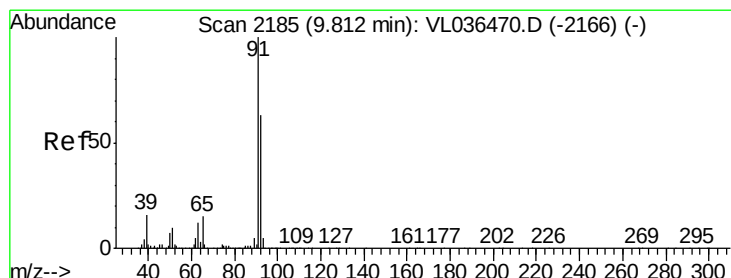
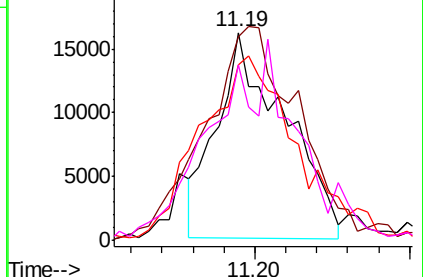
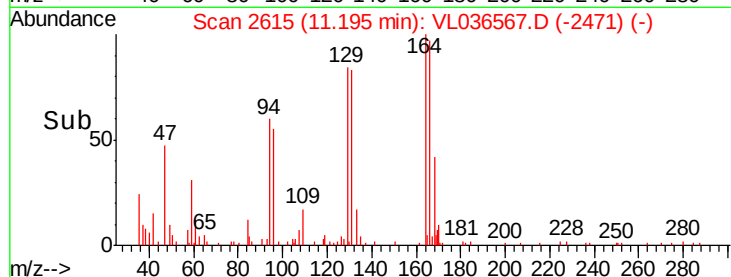
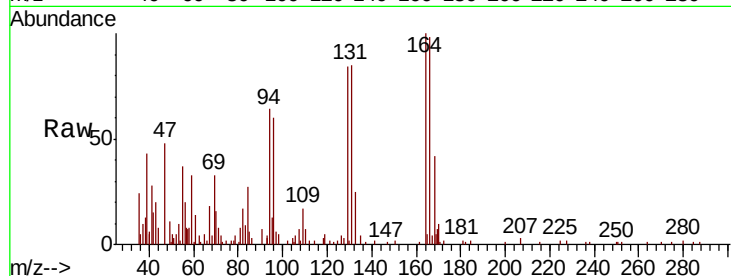
Ion Ratio Lower Upper

164 100

166 89.3 98.3 147.5#

129 68.9 85.8 128.8#

131 61.8 80.9 121.3#



#53

Toluene

Concen: 8.505 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL036567.D

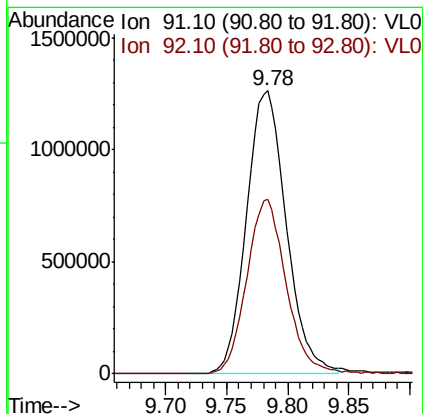
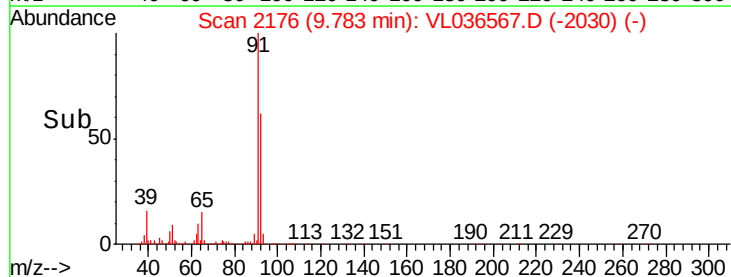
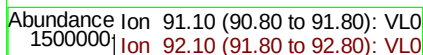
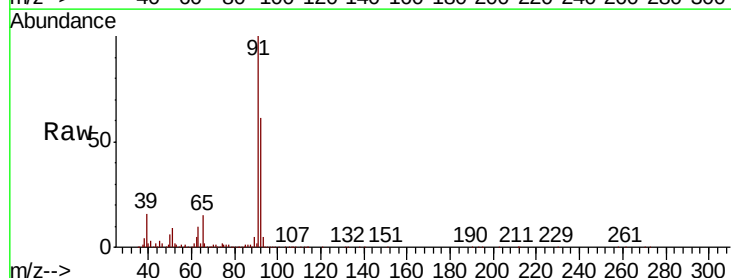
Acq: 30 Mar 2021 13:04

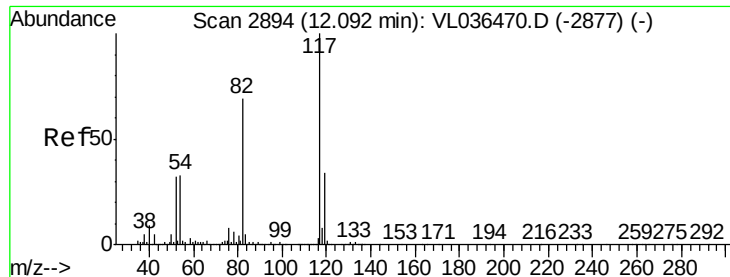
Tgt Ion: 91 Resp: 2845308

Ion Ratio Lower Upper

91 100

92 61.6 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

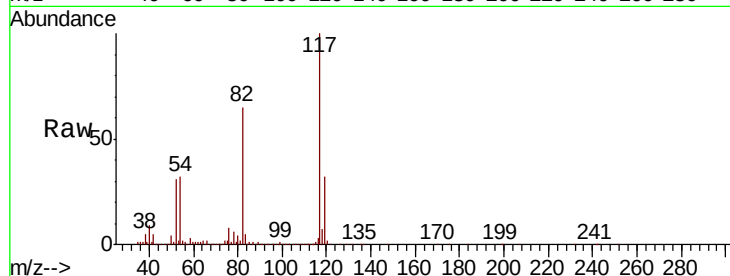
Tot Ion:117 Resp: 3229756

Ion Ratio Lower Upper

117 100

82 66.6 57.4 86.0

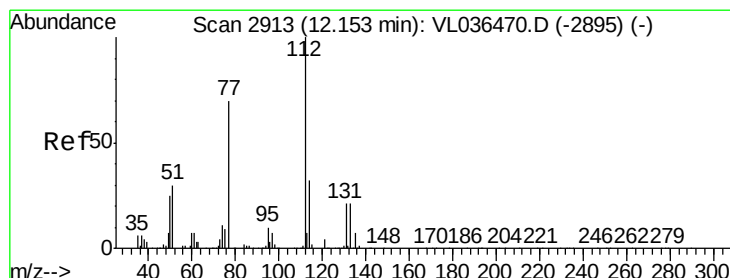
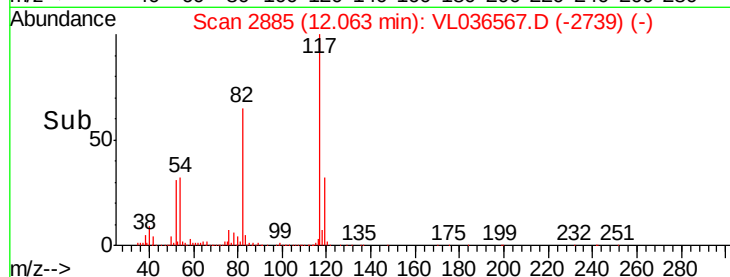
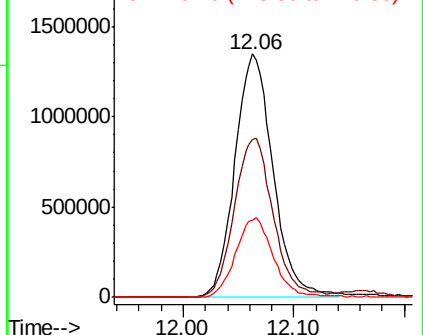
119 33.0 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#57

Chlorobenzene

Concen: 0.033 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

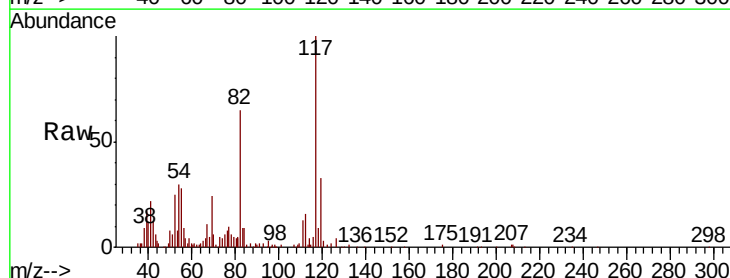
Tgt Ion:112 Resp: 9065

Ion Ratio Lower Upper

112 100

77 16.3 56.0 84.0#

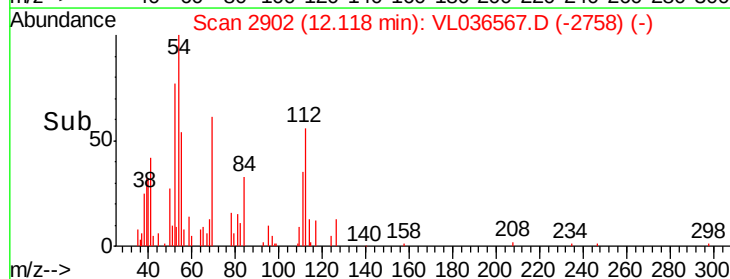
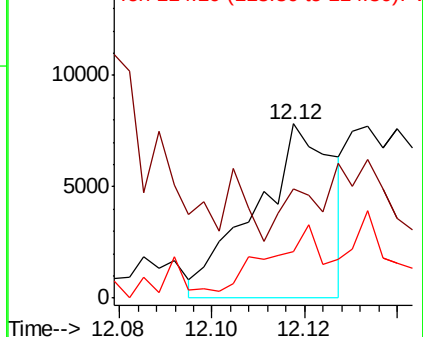
114 25.9 29.0 35.4#

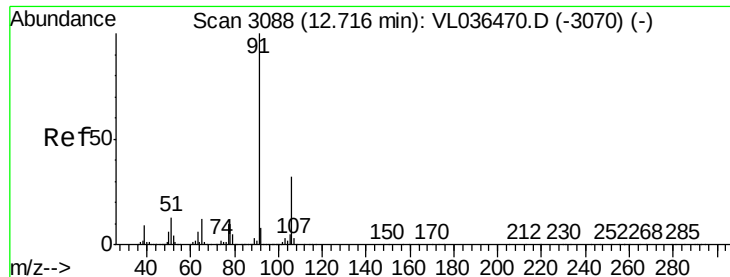


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 27.904 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

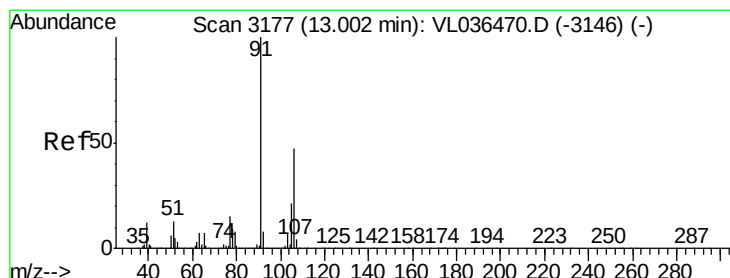
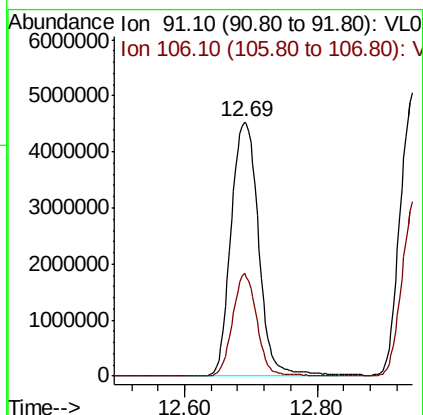
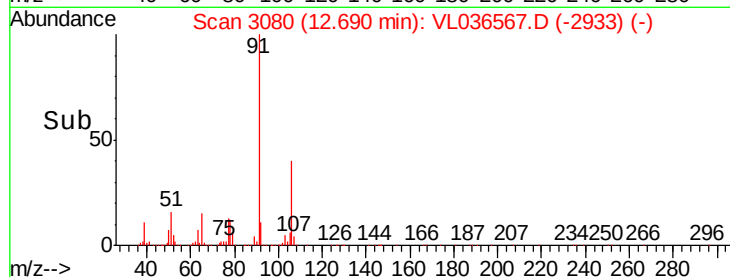
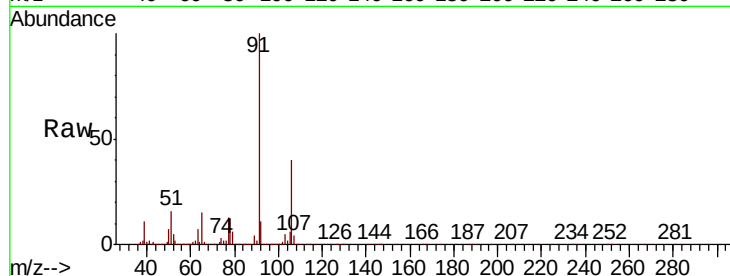
ClientSampled :

Tot Ion: 91 Resp:13111701

Ion Ratio Lower Upper

91 100

106 40.3 25.3 37.9#



#59

m/p-Xylene

Concen: 48.701 ppbv

RT: 12.95 min Scan# 3161

Delta R.T. -0.05 min

Lab File: VL036567.D

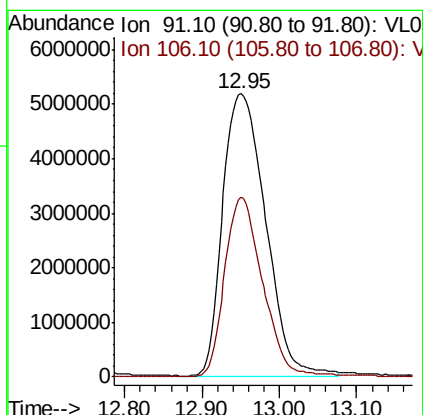
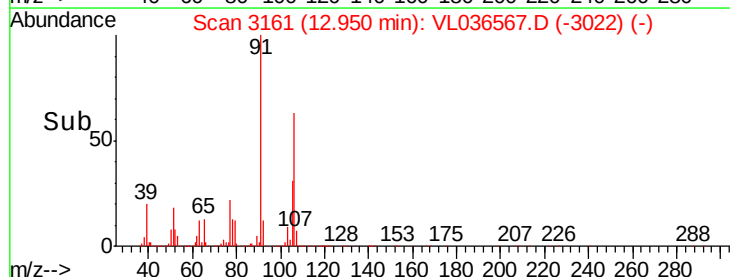
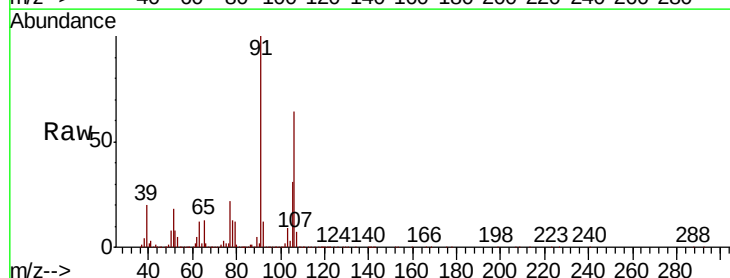
Acq: 30 Mar 2021 13:04

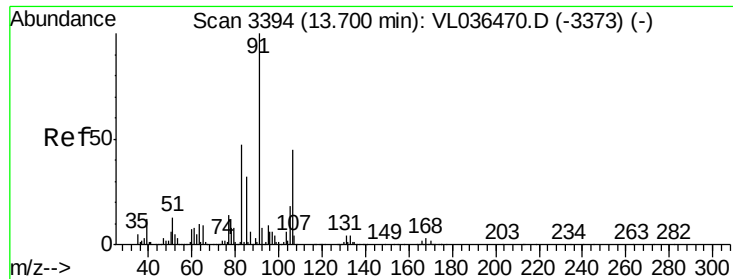
Tgt Ion: 91 Resp:19959680

Ion Ratio Lower Upper

91 100

106 56.8 35.3 52.9#

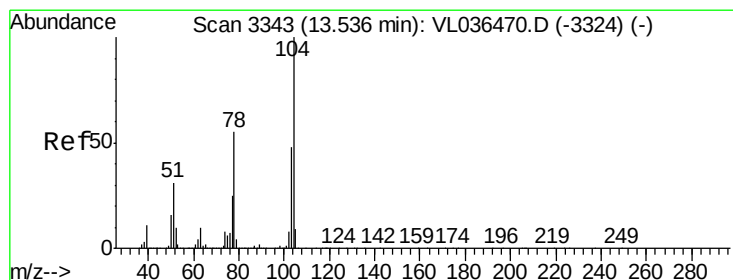
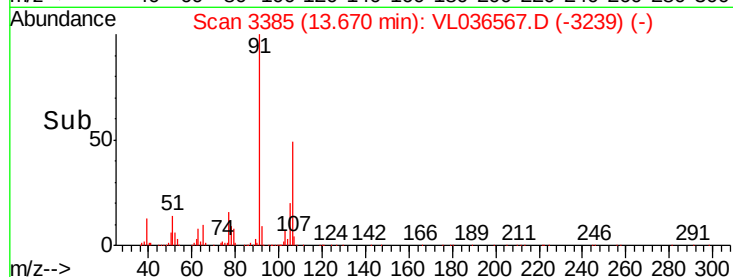
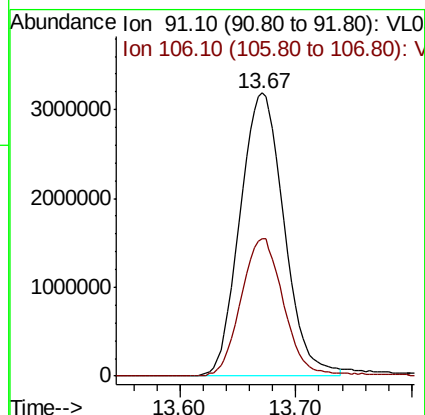
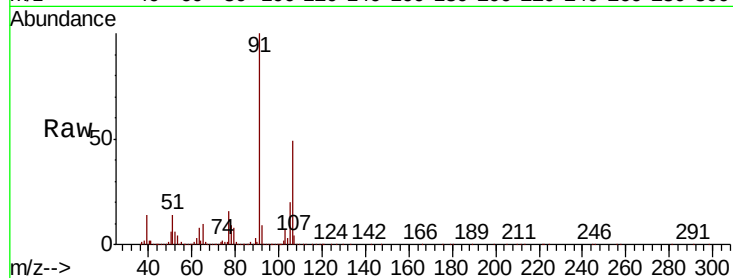




#60
o-Xylene
Concen: 21.150 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

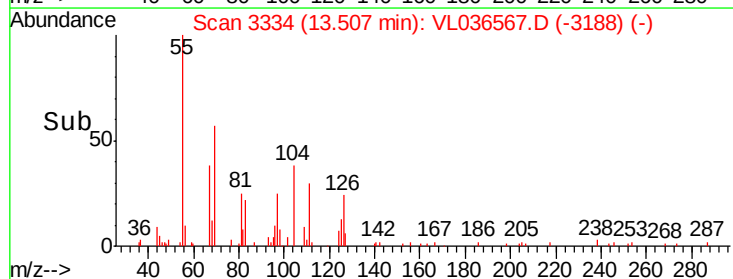
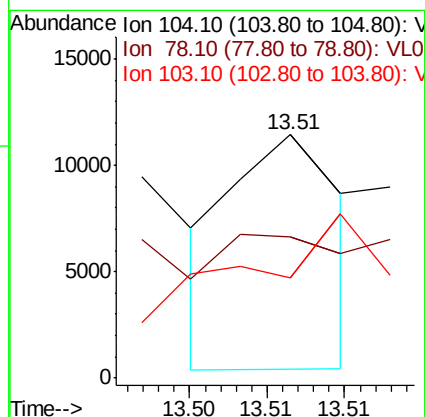
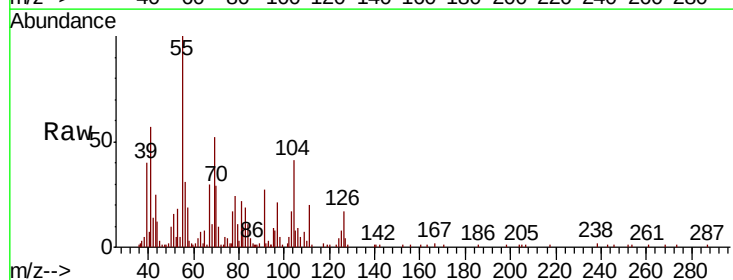
Instrument :
MSVOA_L
ClientSampleId :

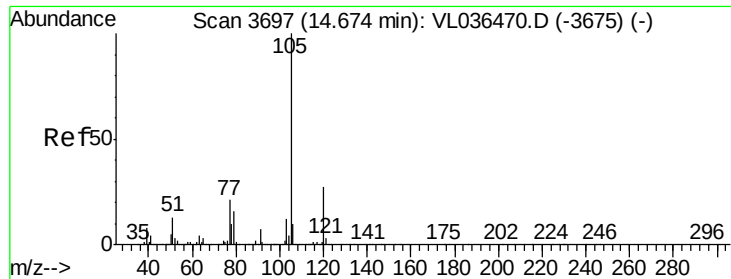
Tot Ion: 91 Resp: 8381368
Ion Ratio Lower Upper
91 100
106 48.0 22.3 66.9



#61
Styrene
Concen: 0.027 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 104 Resp: 5449
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.8#
103 0.0 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.327 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

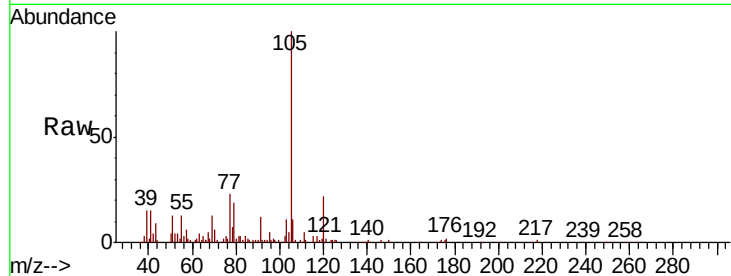
ClientSampleId :

Tot Ion:105 Resp: 174515

Ion Ratio Lower Upper

105 100

120 24.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.65

80000

60000

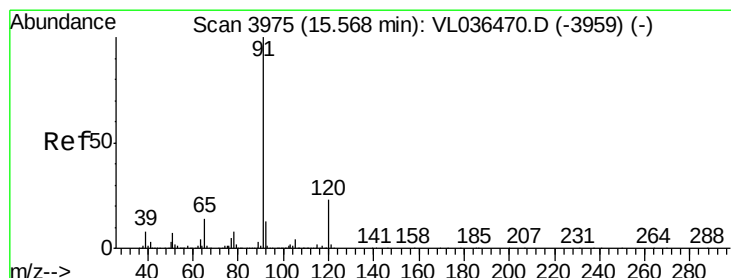
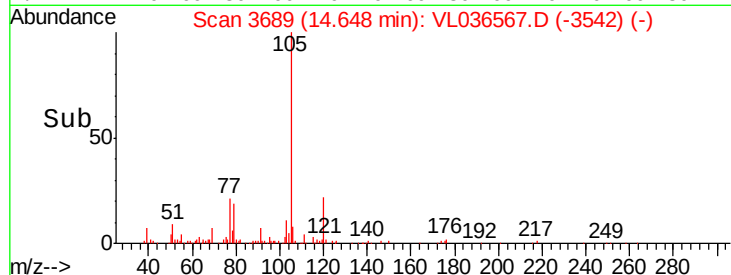
40000

20000

0

14.55 14.60 14.65 14.70

Time-->



#64

n-propylbenzene

Concen: 0.140 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.04 min

Lab File: VL036567.D

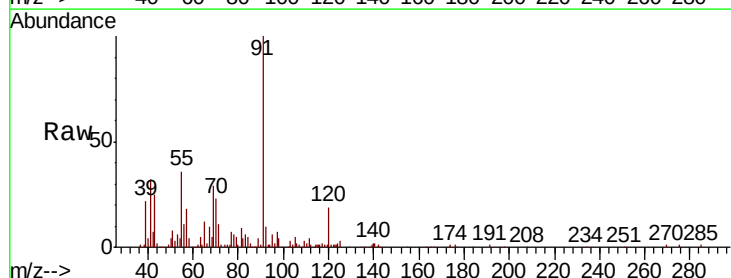
Acq: 30 Mar 2021 13:04

Tgt Ion:120 Resp: 18323

Ion Ratio Lower Upper

120 100

91 0.0 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.53

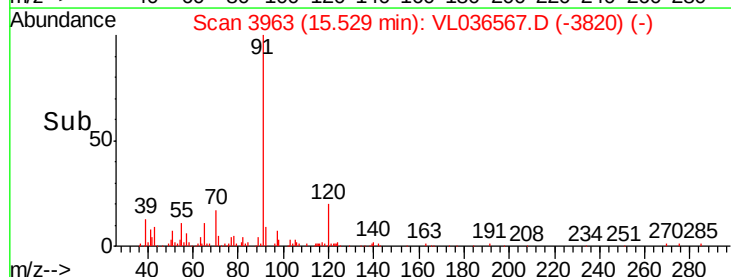
100000

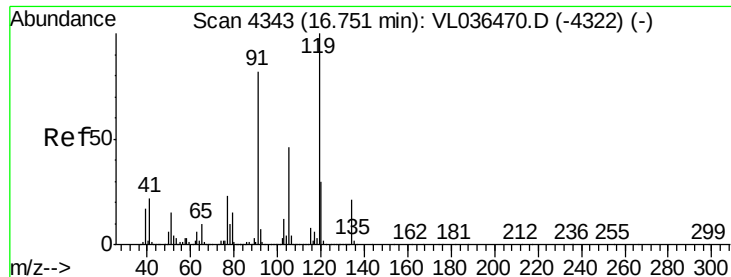
50000

0

15.48 15.50 15.52 15.54

Time-->

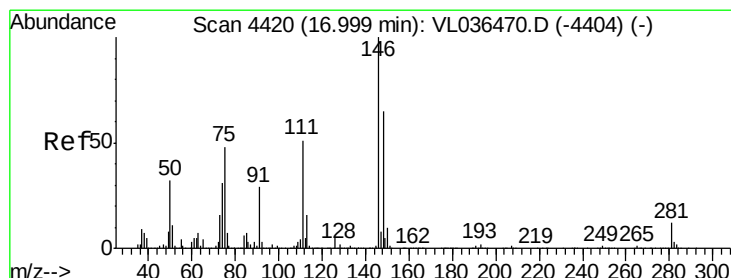
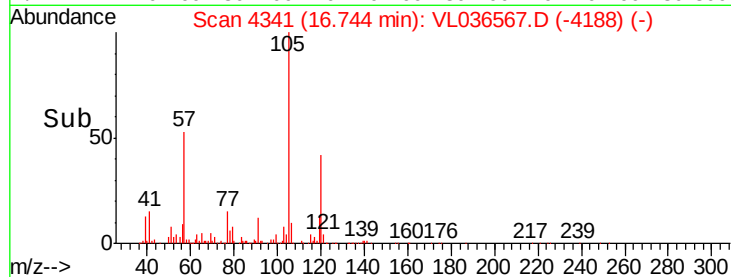
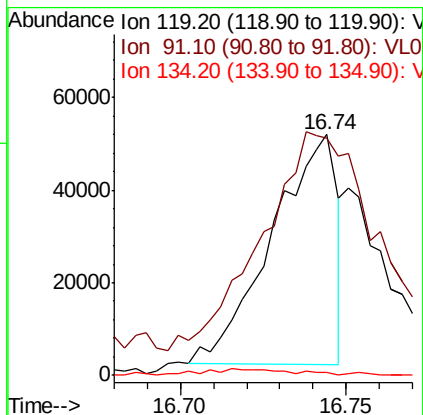
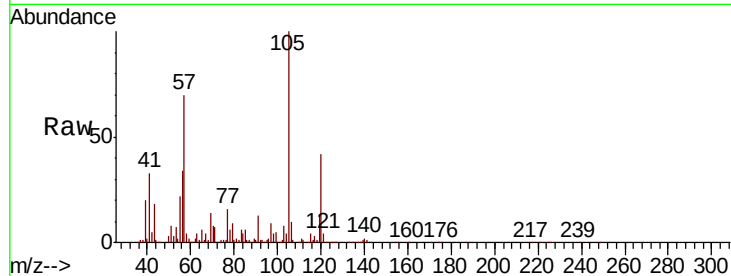




#65
 tert-Butylbenzene
 Concen: 0.147 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.01 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

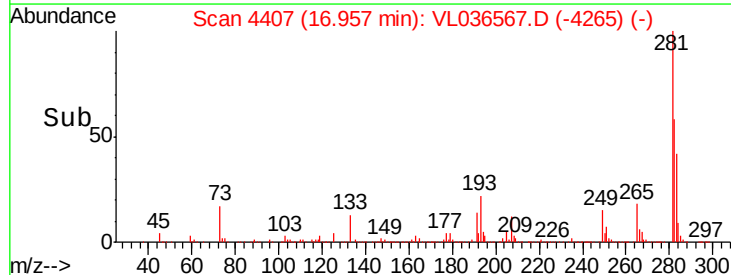
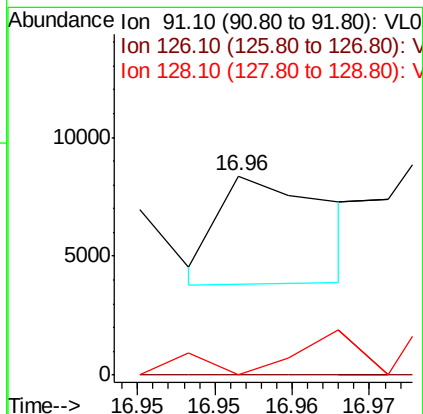
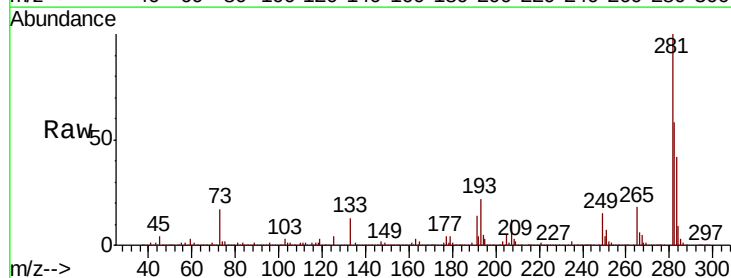
Instrument :
 MSVOA_L
 ClientSampleId :

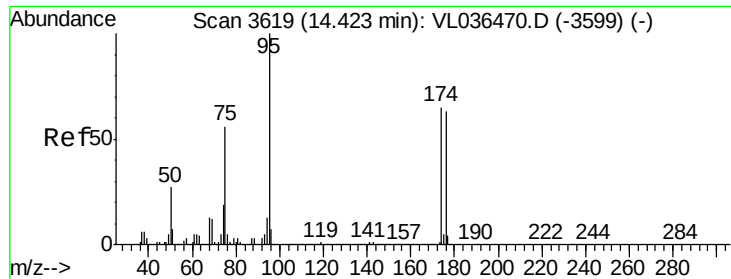
Tot Ion: 119 Resp: 67856
 Ion Ratio Lower Upper
 119 100
 91 195.2 67.5 101.3#
 134 4.2 15.8 23.8#



#66
 Benzyl Chloride
 Concen: 0.044 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.04 min
 Lab File: VL036567.D
 Acq: 30 Mar 2021 13:04

Tgt Ion: 91 Resp: 2269
 Ion Ratio Lower Upper
 91 100
 126 663.1 13.5 20.3#
 128 0.0 4.2 6.4#

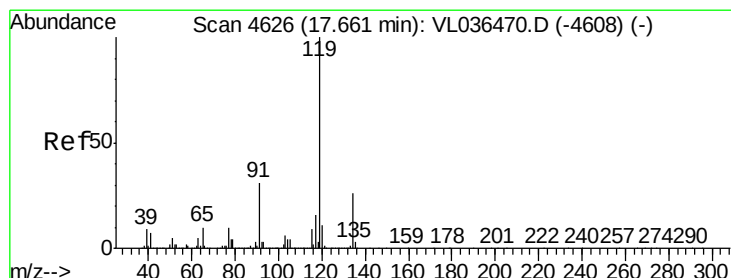
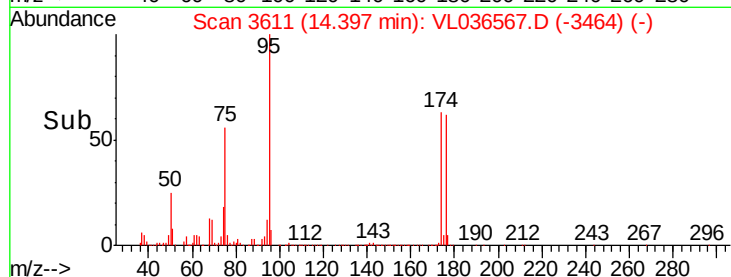
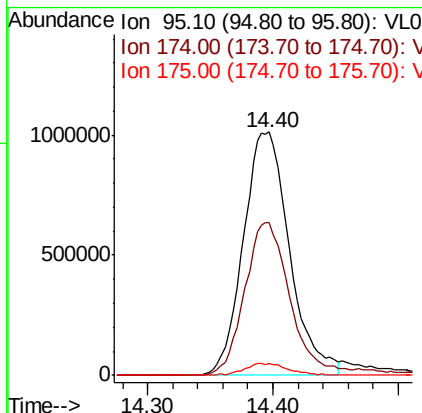
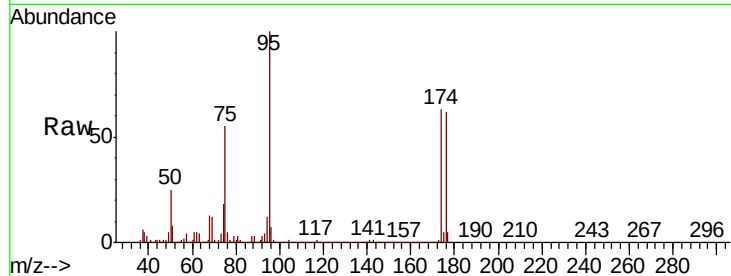




#68
1-Bromo-4-Fluorobenzene
Concen: 10.043 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

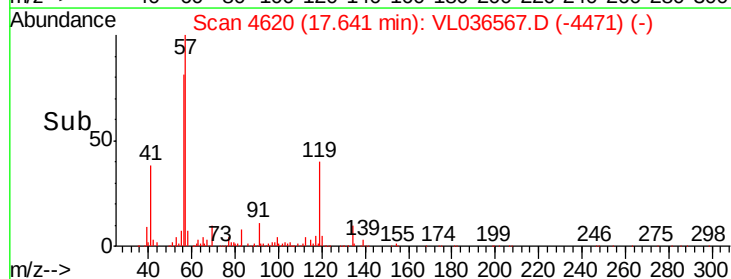
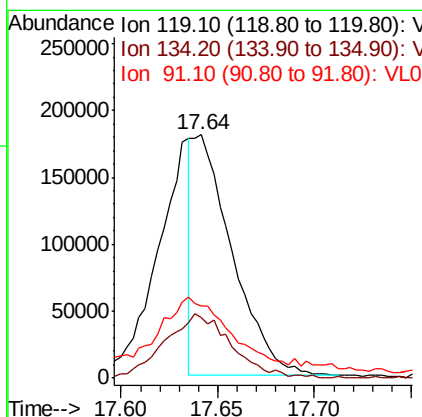
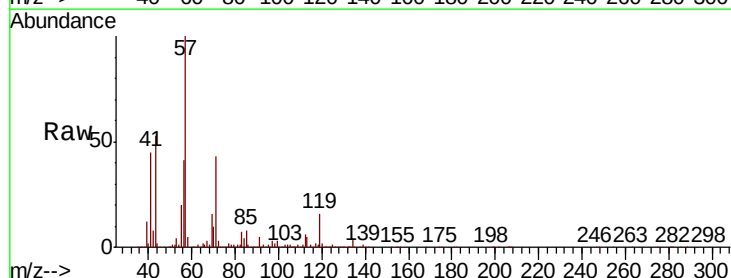
Instrument :
MSVOA_L
ClientSampleId :

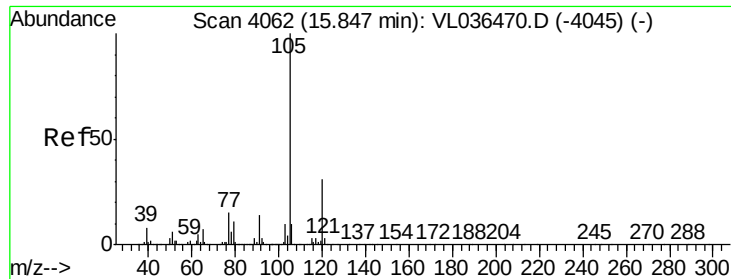
Tot Ion: 95 Resp: 2585310
Ion Ratio Lower Upper
95 100
174 65.0 51.0 76.6
175 4.9 3.9 5.9



#69
p-Isopropyltoluene
Concen: 0.498 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. -0.02 min
Lab File: VL036567.D
Acq: 30 Mar 2021 13:04

Tgt Ion: 119 Resp: 253952
Ion Ratio Lower Upper
119 100
134 46.0 20.6 30.8#
91 66.2 25.0 37.6#





#72

4-Ethyltoluene

Concen: 0.792 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.03 min

Lab File: VL036567.D

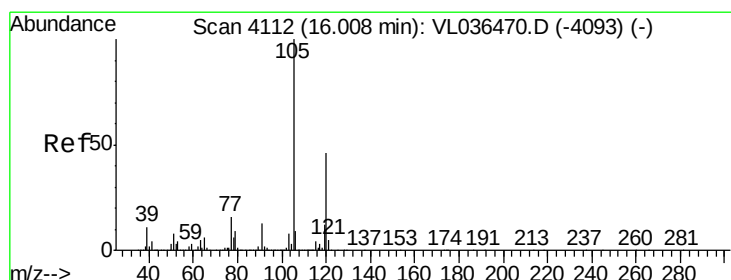
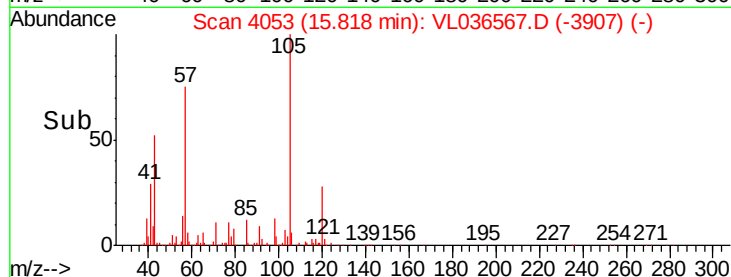
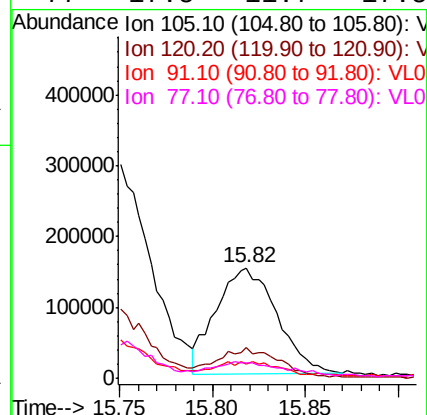
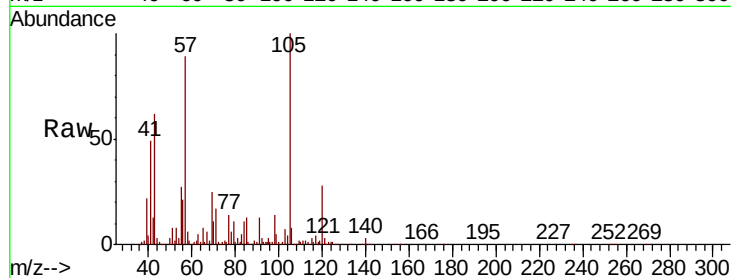
Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	343934
Ion	Ratio	Lower	Upper
105	100		
120	29.4	24.0	36.0
91	14.6	11.0	16.4
77	17.5	11.7	17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.407 ppbv

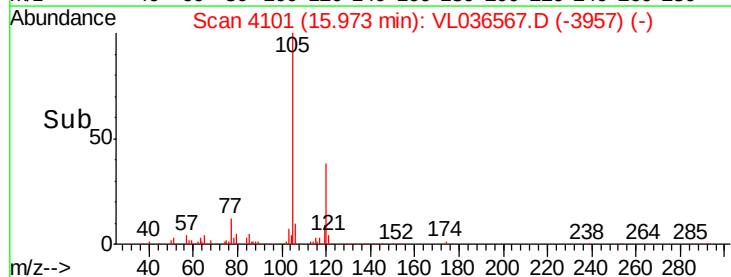
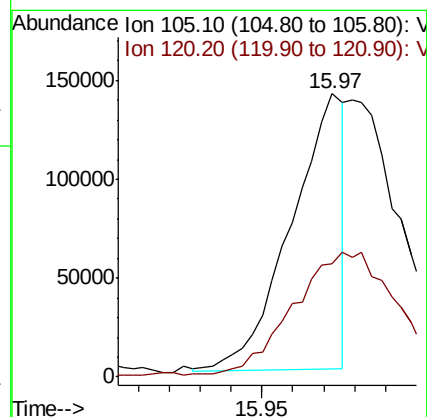
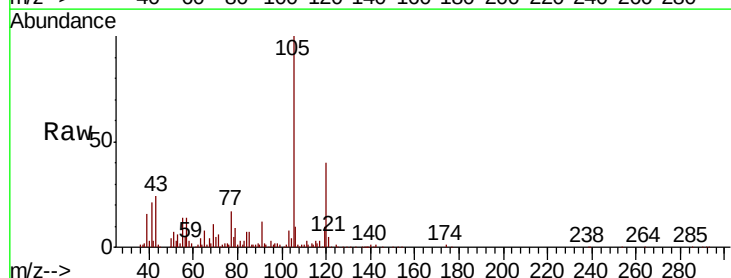
RT: 15.97 min Scan# 4101

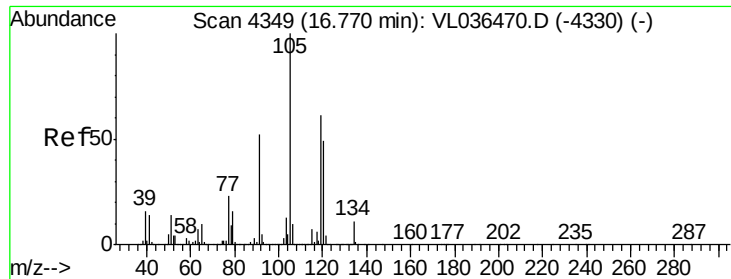
Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	105	Resp:	164853
Ion	Ratio	Lower	Upper
105	100		
120	40.2	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 2.225 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.03 min

Lab File: VL036567.D

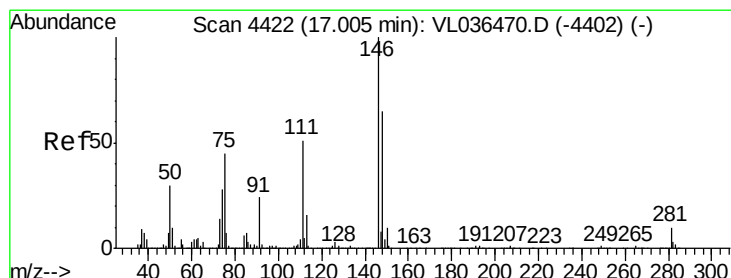
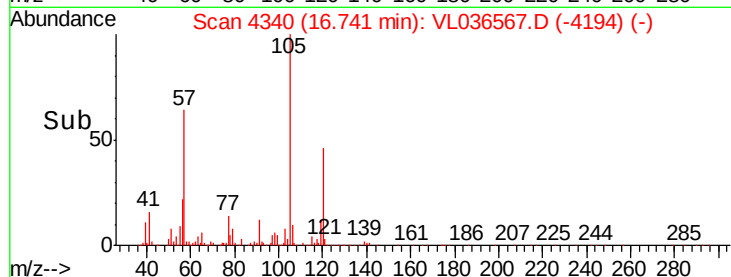
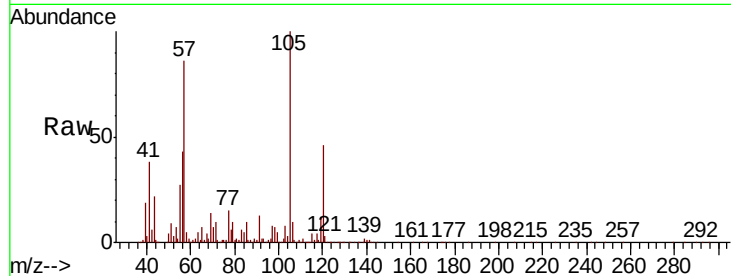
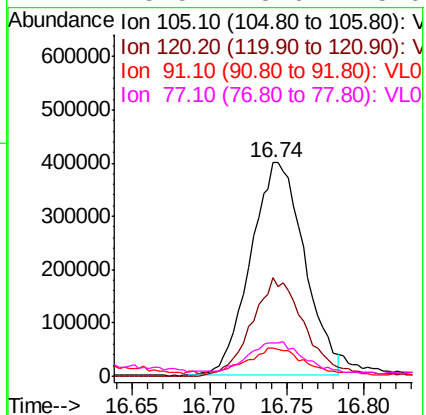
Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	965088
Ion	Ratio	Lower	Upper
105	100		
120	46.0	39.2	58.8
91	11.0	42.6	64.0#
77	13.5	18.6	28.0#



#75

1,3-Dichlorobenzene

Concen: 0.039 ppbv

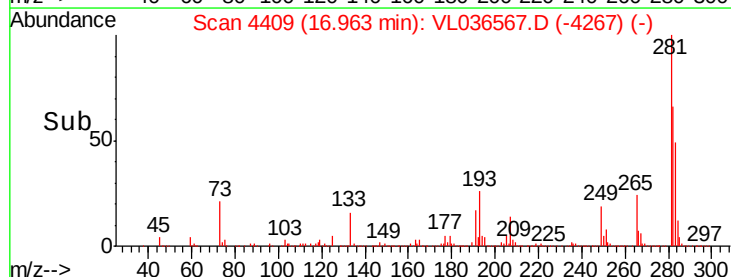
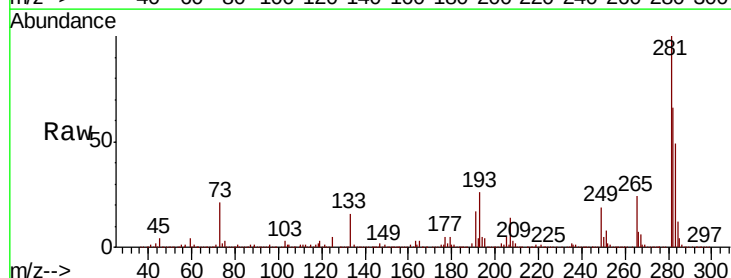
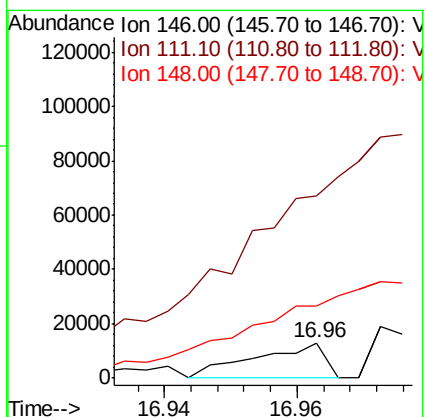
RT: 16.96 min Scan# 4409

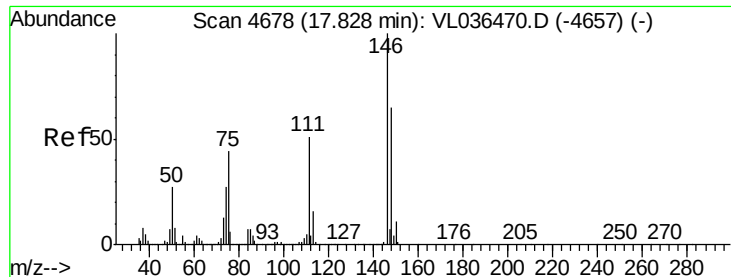
Delta R.T. -0.04 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Tgt Ion:	146	Resp:	9493
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.5	73.5#
148	0.0	32.3	96.9#





#77

1,2-Dichlorobenzene

Concen: 0.162 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. -0.03 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

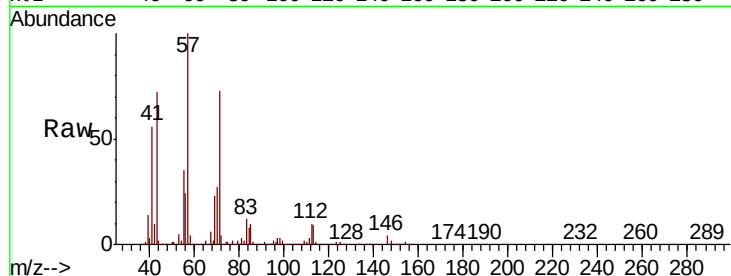
Tot Ion:146 Resp: 37238

Ion Ratio Lower Upper

146 100

111 181.3 25.5 76.5#

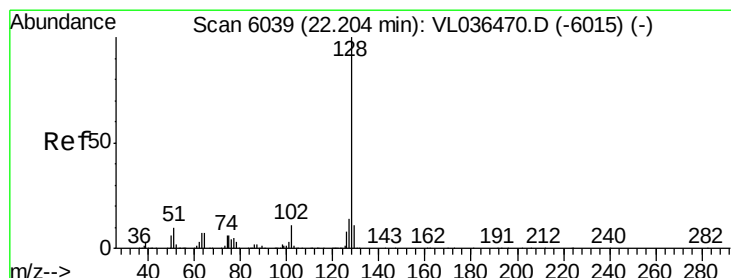
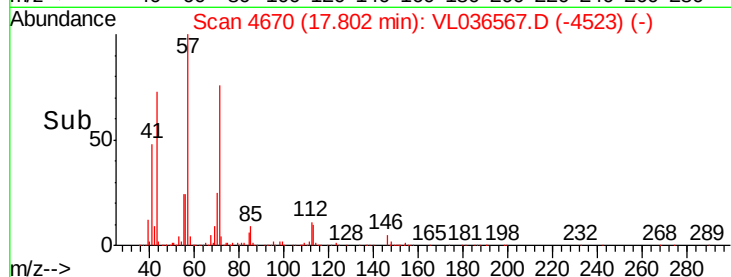
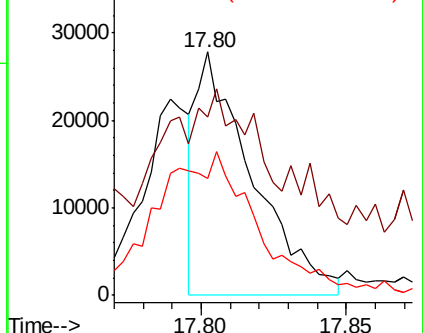
148 114.8 32.9 98.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.230 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. -0.02 min

Lab File: VL036567.D

Acq: 30 Mar 2021 13:04

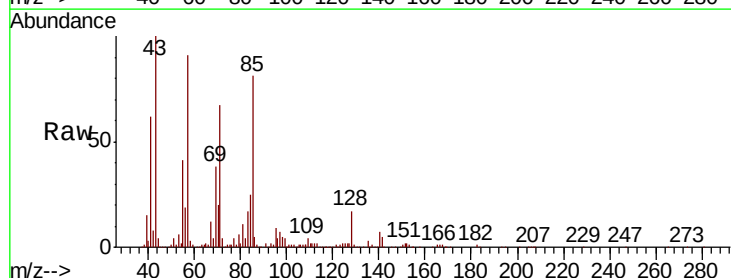
Tgt Ion:128 Resp: 58125

Ion Ratio Lower Upper

128 100

127 6.1 10.9 16.3#

129 7.2 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

