

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036651.D
 Acq On : 2 Apr 2021 19:06
 Operator : SY/AP
 Sample : M1841-07
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:58:00 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	1249229	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3281517	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2841913	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2378420	10.50	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	47455	0.233	ppbv	96
3) Chlorodifluoromethane	2.96	51	280113	1.200	ppbv #	65
4) Chloromethane	3.13	50	41179	0.499	ppbv	90
5) Vinyl Chloride	3.25	62	10726	0.127	ppbv	98
9) Propene	3.00	41	435119	5.848	ppbv	83
10) Heptane	8.11	43	465459	2.456	ppbv	98
11) Trichlorofluoromethane	3.94	101	41138	0.198	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5451	0.041	ppbv #	37
13) Ethanol	3.61	45	2515482	283.892	ppbv	91
15) Acetone	3.84	43	20415197	166.040	ppbv #	74
16) 1,3-Butadiene	3.30	39	693043	8.096	ppbv #	26
17) tert-Butyl alcohol	4.30	59	781869	7.305	ppbv	98
19) Isopropyl Alcohol	3.98	45	16359867	241.881	ppbv #	1
20) Methylene Chloride	4.34	84	2018864	35.070	ppbv	93
21) Allyl Chloride	4.34	41	63271	0.646	ppbv #	17
23) Vinyl Acetate	5.05	43	202004	0.960	ppbv #	10
25) Ethyl Acetate	5.67	43	1556770	5.326	ppbv #	79
26) Hexane	5.67	57	2016342	14.864	ppbv #	48
27) Carbon Disulfide	4.54	76	291946	2.185	ppbv	95
28) Methyl tert-Butyl Ether	5.02	73	87150	0.545	ppbv	94
29) Chloroform	5.74	83	77056	0.355	ppbv	99
30) Cyclohexane	7.11	84	52562	0.478	ppbv #	81
34) 2-Butanone	5.23	43	1838005	11.475	ppbv	99
36) Benzene	6.88	78	182522	0.603	ppbv	99
38) Trichloroethene	7.83	130	3209	0.027	ppbv #	77
39) 1,2-Dichloropropane	7.17	63	859293	6.999	ppbv #	24
40) 1,4-Dioxane	7.83	88	2025	0.071	ppbv #	1
41) Tetrahydrofuran	6.04	42	16498	0.223	ppbv #	5
42) Bromodichloromethane	7.79	83	24871	0.103	ppbv #	71
43) Methyl Methacrylate	8.01	69	5539	0.055	ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	645153	1.211	ppbv	92
50) 4-Methyl-2-Pentanone	8.74	43	32545	0.140	ppbv #	53
51) 2-Hexanone	10.09	43	141427	1.209	ppbv #	67
52) Tetrachloroethene	11.21	164	65311	0.586	ppbv	95
53) Toluene	9.79	91	1164540	3.613	ppbv	99
58) Ethyl Benzene	12.70	91	644775	1.559	ppbv	99
59) m/p-Xylene	12.95	91	2223881	6.167	ppbv	95
60) o-Xylene	13.68	91	1034470	2.967	ppbv	100
61) Styrene	13.52	104	24972	0.142	ppbv #	2
62) Isopropylbenzene	14.66	105	72795	0.155	ppbv #	82
64) n-propylbenzene	15.55	120	61563	0.536	ppbv	75

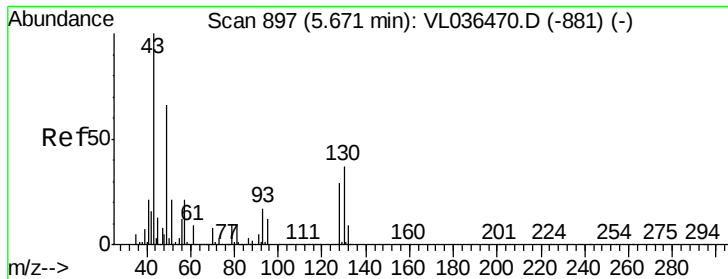
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
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 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.75	119	158586	0.389	ppbv #	69
66) Benzyl Chloride	17.19	91	6525	0.145	ppbv #	75
67) sec-Butylbenzene	17.28	105	29312	0.051	ppbv #	59
69) p-Isopropyltoluene	17.63	119	26910	0.060	ppbv #	46
70) n-Butylbenzene	18.53	91	12556	0.027	ppbv #	33
72) 4-Ethyltoluene	15.82	105	444636	1.164	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	484139	1.358	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	1431128	3.750	ppbv #	70
79) Naphthalene	22.18	128	5571	0.025	ppbv #	89
80) Naphthalene,2-methyl-	24.97	142	2168	0.049	ppbv #	32

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :

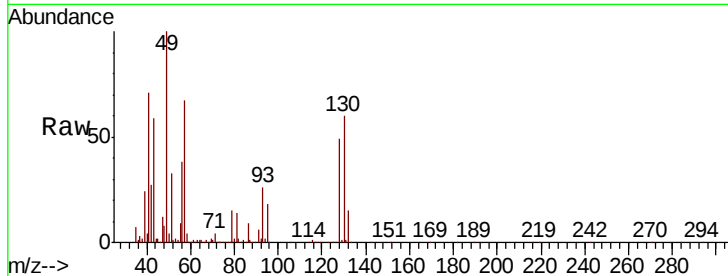
Tot Ion: 49 Resp: 1249229

Ion	Ratio	Lower	Upper
49	100		
128	48.5	23.5	70.6
130	62.1	29.1	87.4

49 100

128 48.5 23.5 70.6

130 62.1 29.1 87.4

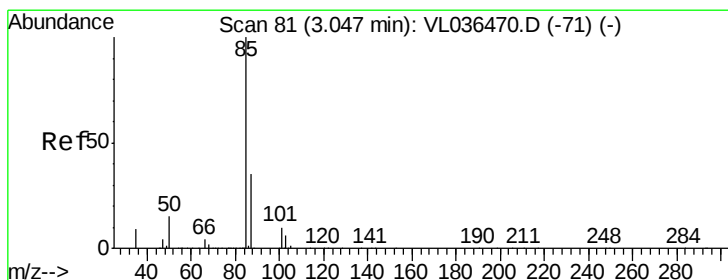
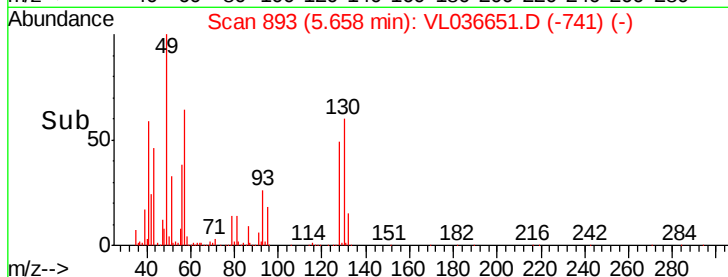
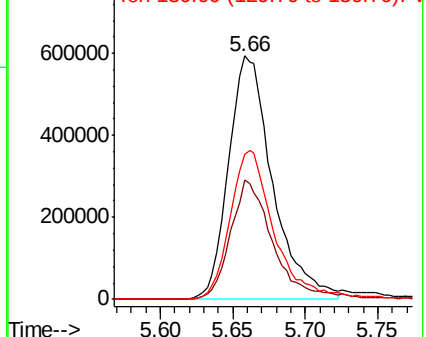


Abundance

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



#2

Dichlorodifluoromethane

Concen: 0.233 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036651.D

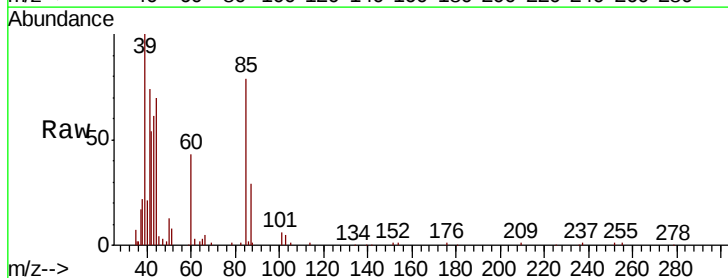
Acq: 2 Apr 2021 19:06

Tgt Ion: 85 Resp: 47455

Ion	Ratio	Lower	Upper
85	100		
87	36.9	27.8	41.8

85 100

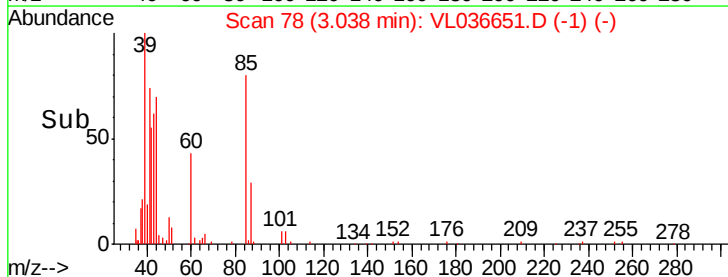
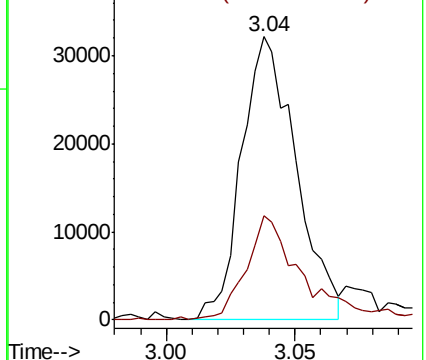
87 36.9 27.8 41.8



Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.200 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.03 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

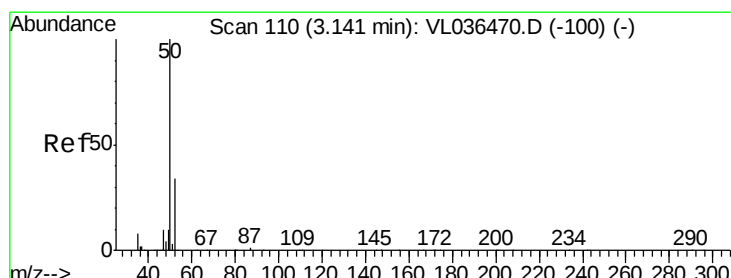
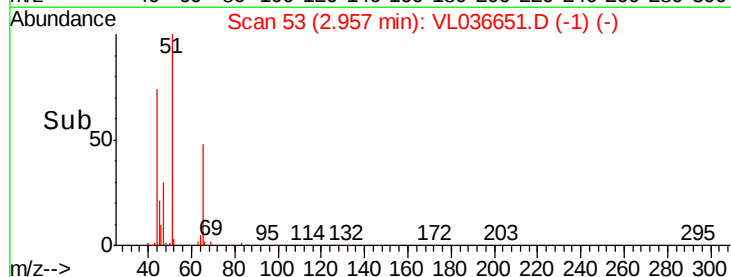
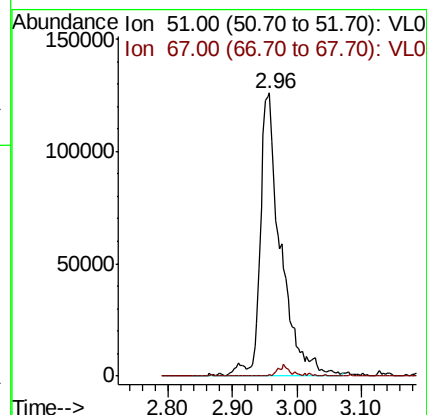
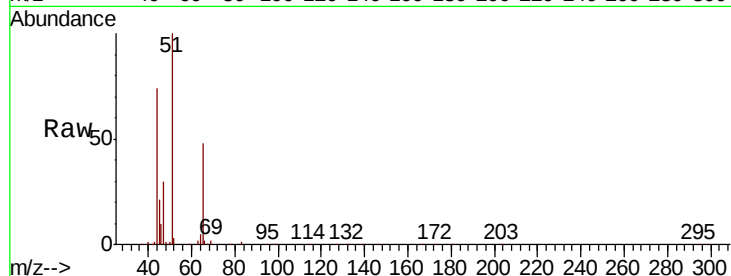
ClientSampleId :

Tot Ion: 51 Resp: 280113

Ion Ratio Lower Upper

51 100

67 2.7 14.7 22.1#



#4

Chloromethane

Concen: 0.499 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036651.D

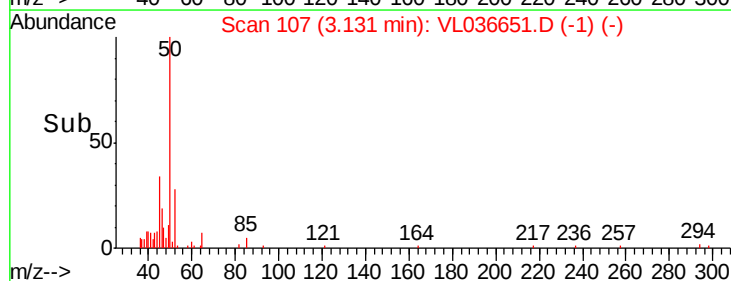
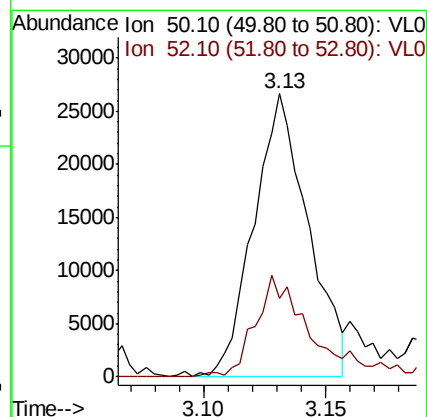
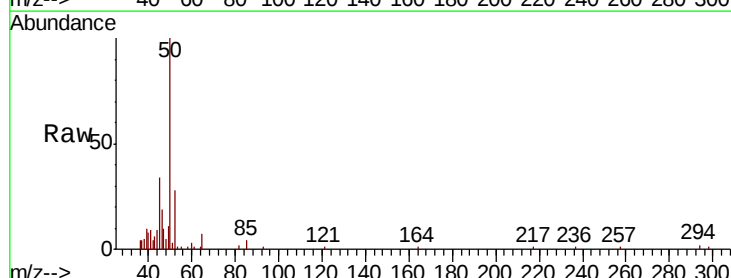
Acq: 2 Apr 2021 19:06

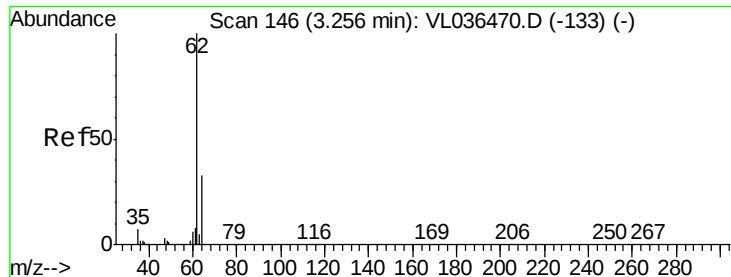
Tgt Ion: 50 Resp: 41179

Ion Ratio Lower Upper

50 100

52 27.9 27.0 40.6





#5

Vinyl Chloride

Concen: 0.127 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

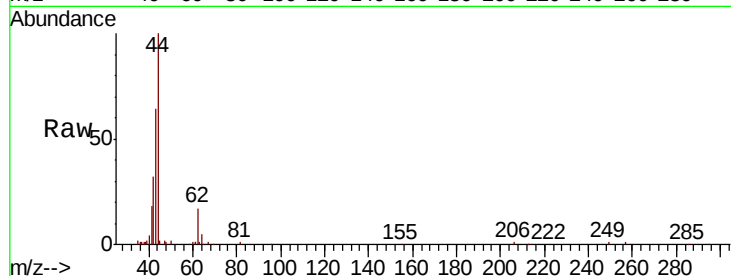
ClientSampleId :

Tot Ion: 62 Resp: 10726

Ion Ratio Lower Upper

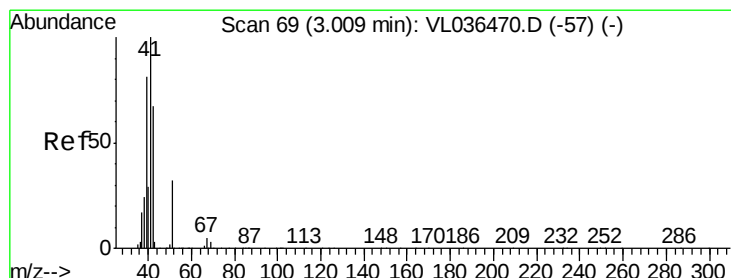
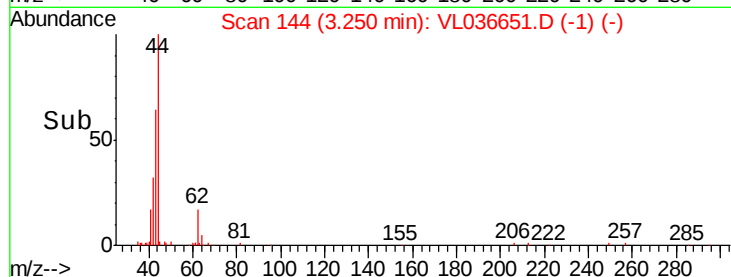
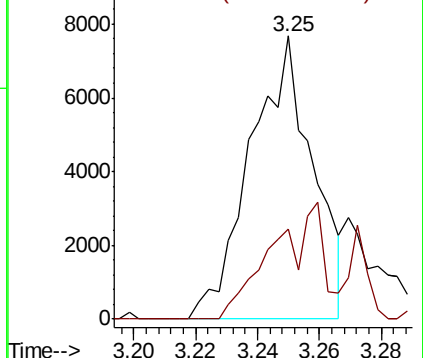
62 100

64 31.9 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 5.848 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036651.D

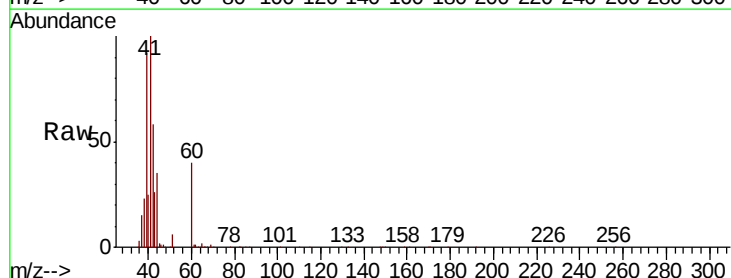
Acq: 2 Apr 2021 19:06

Tgt Ion: 41 Resp: 435119

Ion Ratio Lower Upper

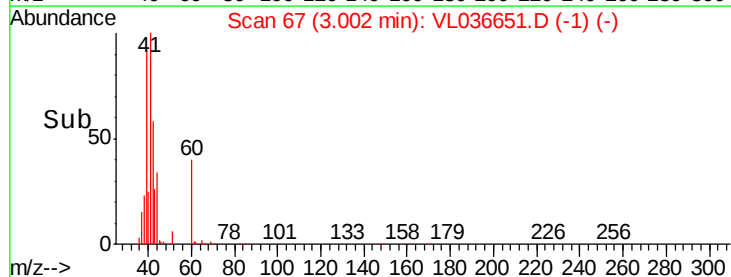
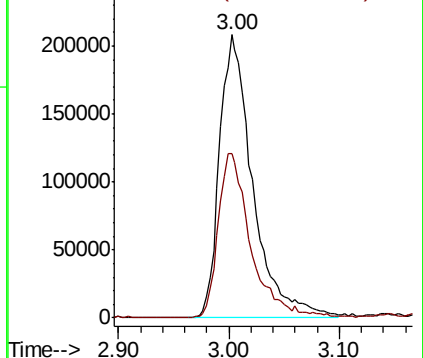
41 100

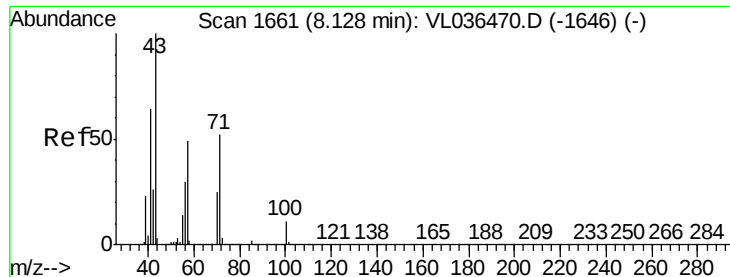
42 57.4 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

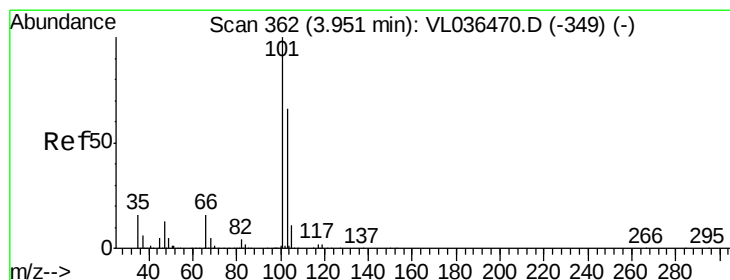
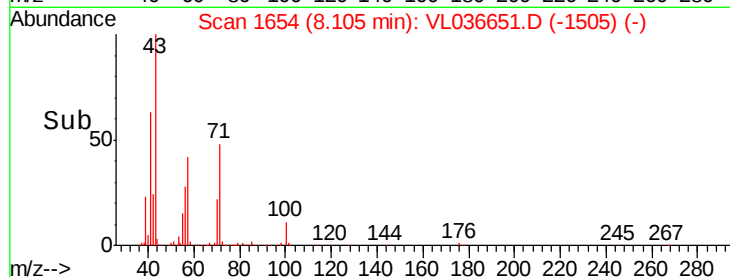
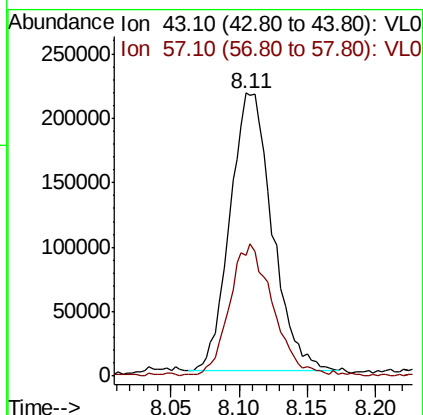
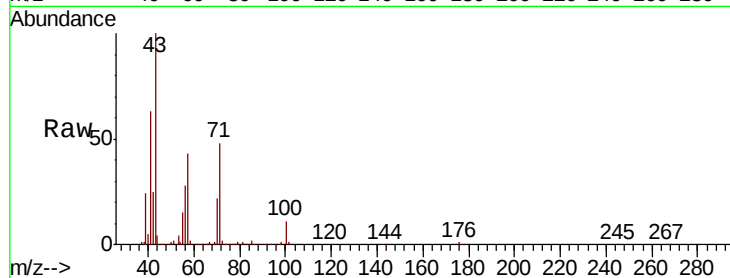




#10
 Heptane
 Concen: 2.456 ppbv
 RT: 8.11 min Scan# 1654
 Delta R.T. -0.02 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

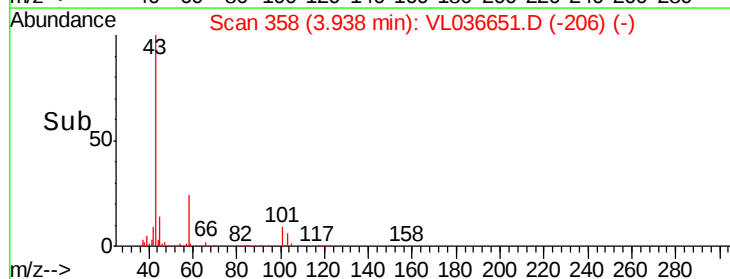
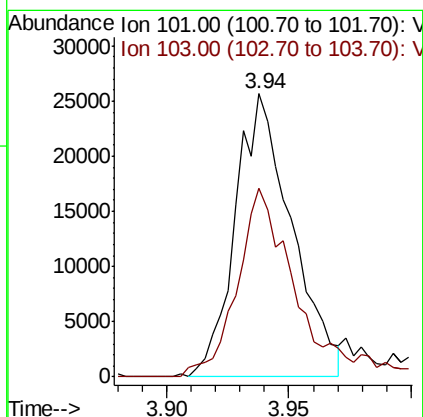
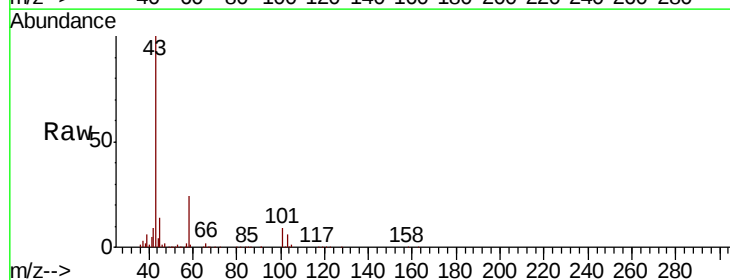
Instrument :
 MSVOA_L
 ClientSampleID :

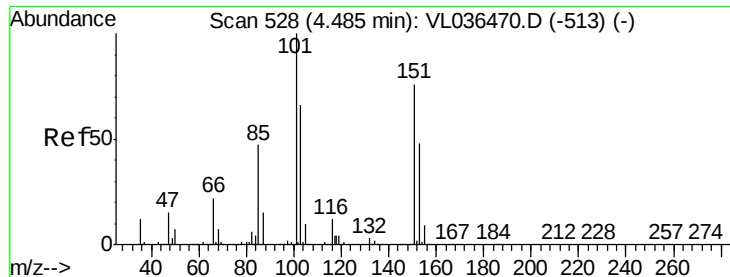
Tot Ion: 43 Resp: 465459
 Ion Ratio Lower Upper
 43 100
 57 47.3 39.0 58.6



#11
 Trichlorofluoromethane
 Concen: 0.198 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

Tgt Ion: 101 Resp: 41138
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.041 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

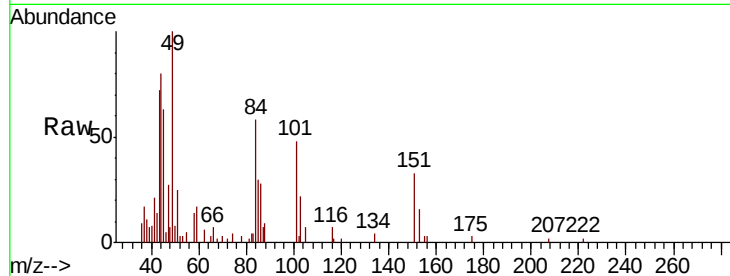
ClientSampleId :

Tot Ion:101 Resp: 5451

Ion Ratio Lower Upper

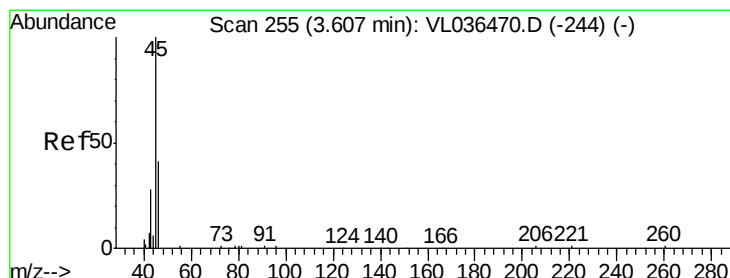
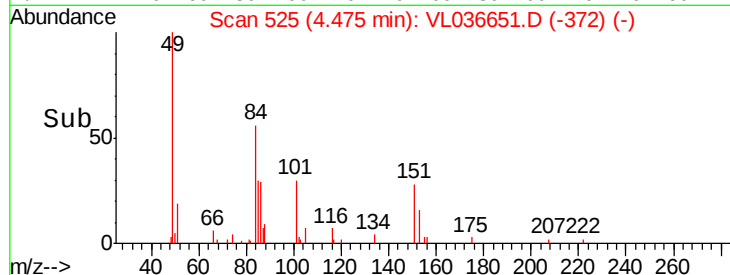
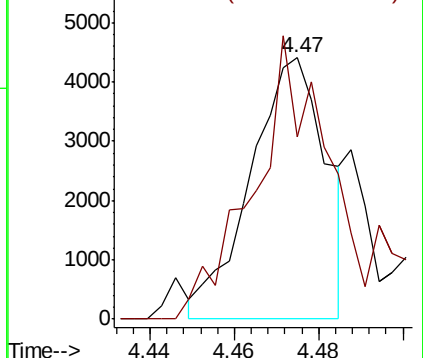
101 100

151 130.0 60.9 91.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 283.892 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036651.D

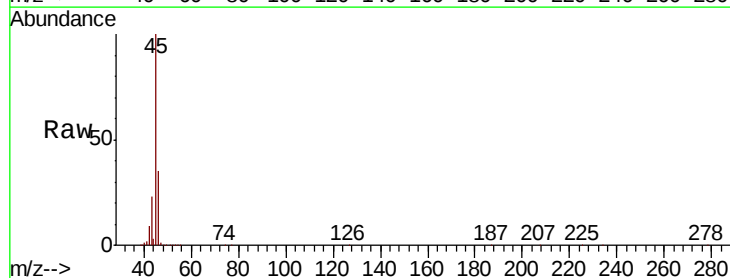
Acq: 2 Apr 2021 19:06

Tgt Ion: 45 Resp: 2515482

Ion Ratio Lower Upper

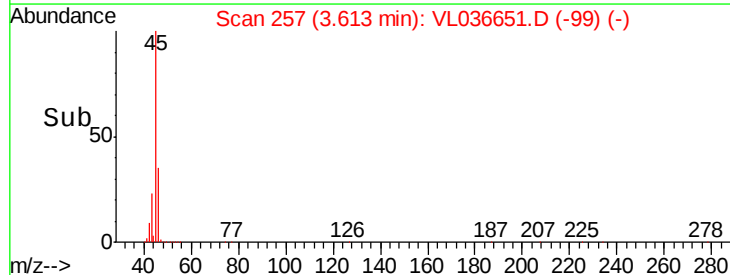
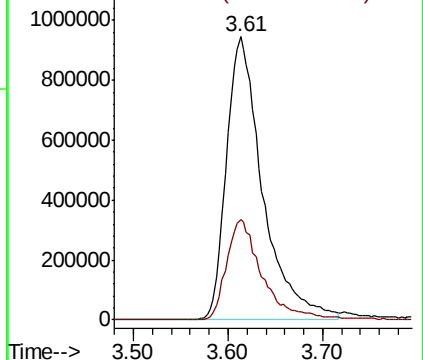
45 100

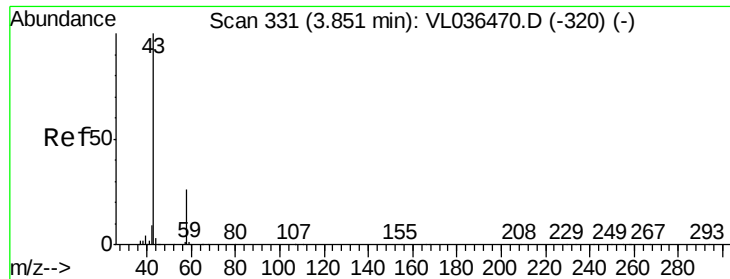
46 35.6 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

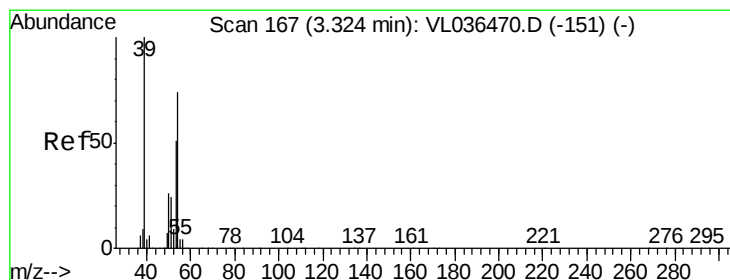
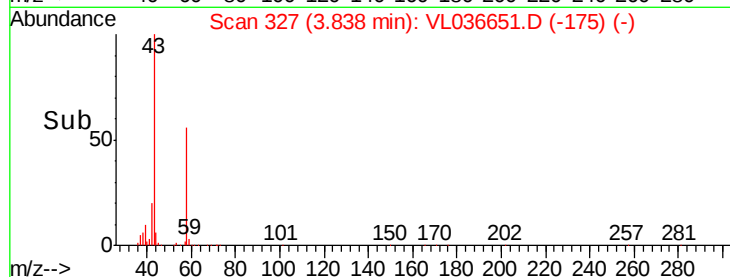
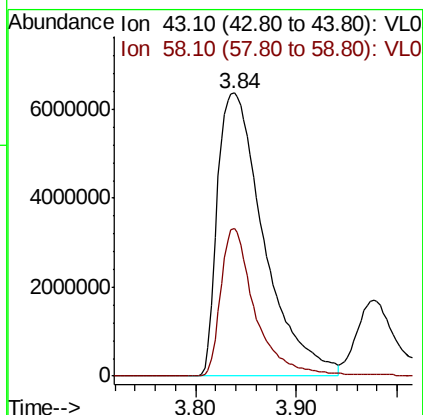
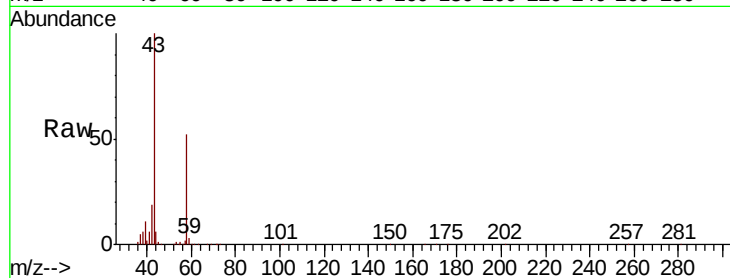




#15
Acetone
Concen: 166.040 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

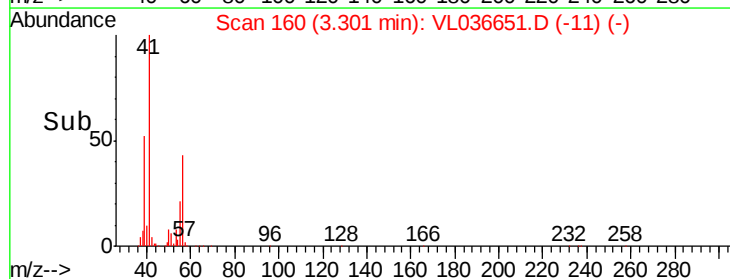
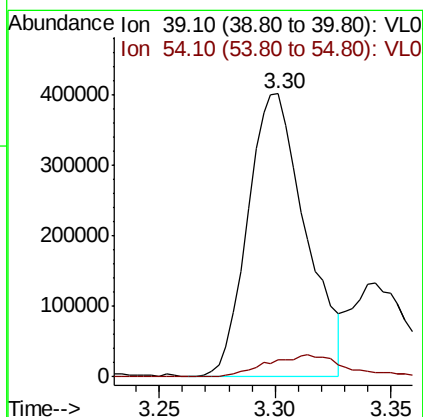
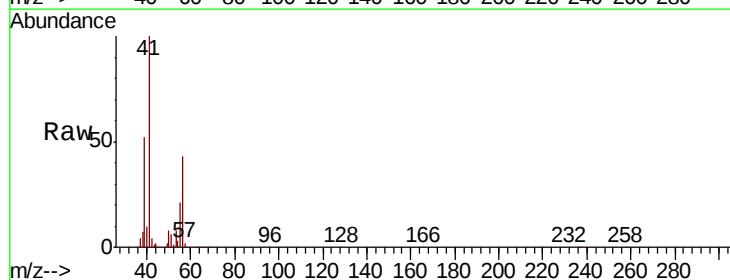
Instrument :
MSVOA_L
ClientSampleId :

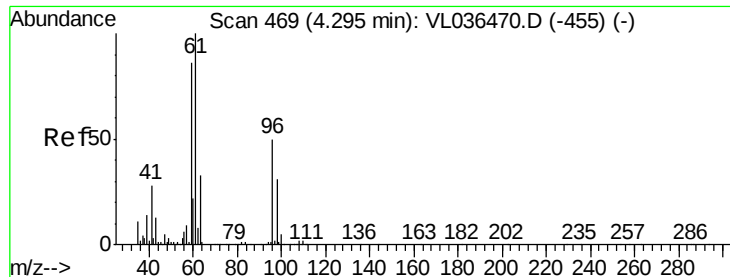
Tot Ion: 43 Resp: 20415197
Ion Ratio Lower Upper
43 100
58 39.8 21.2 31.8#



#16
1,3-Butadiene
Concen: 8.096 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 39 Resp: 693043
Ion Ratio Lower Upper
39 100
54 11.2 58.8 88.2#



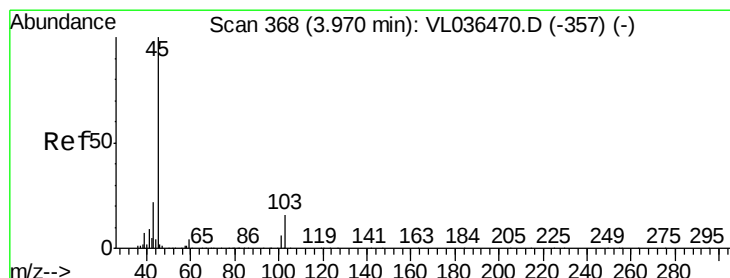
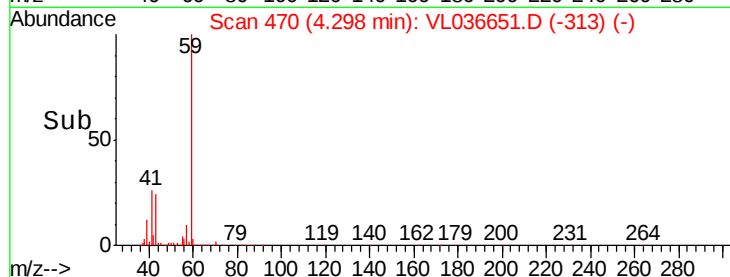
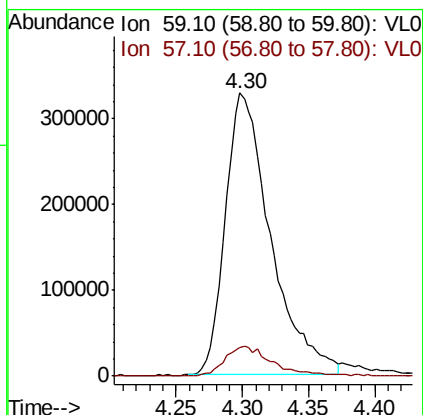
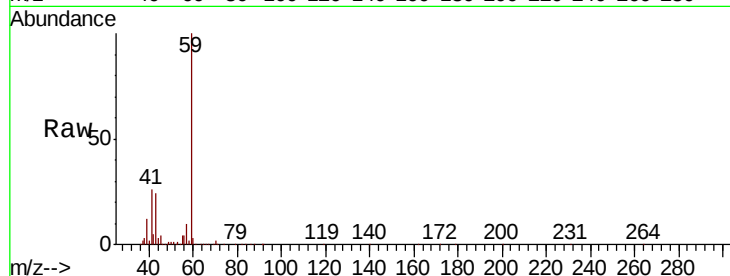


#17

tert-Butyl alcohol
Concen: 7.305 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Instrument :
MSVOA_L
ClientSampleId :

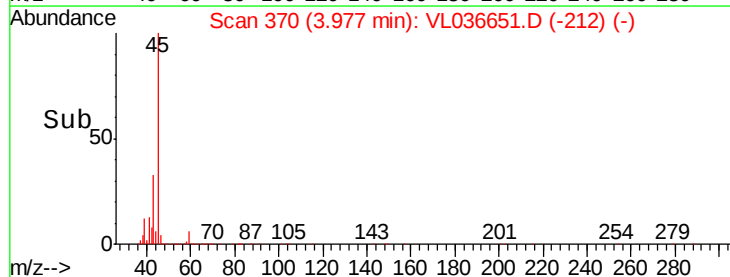
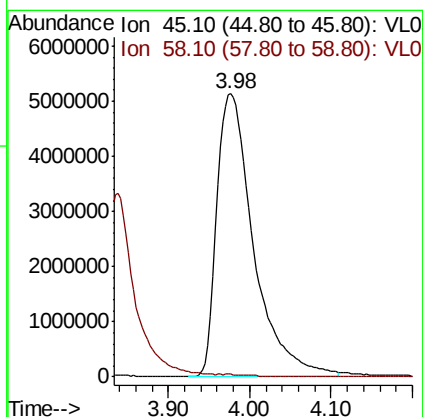
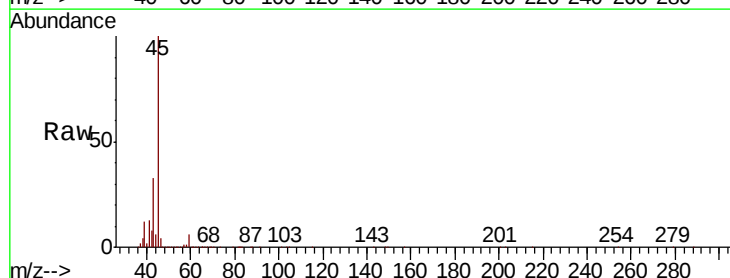
Tot Ion: 59 Resp: 781869
Ion Ratio Lower Upper
59 100
57 11.6 8.6 12.8

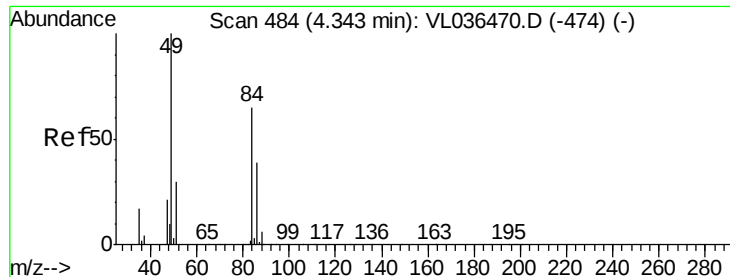


#19

Isopropyl Alcohol
Concen: 241.881 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 45 Resp: 16359867
Ion Ratio Lower Upper
45 100
58 49.7 2.9 4.3#

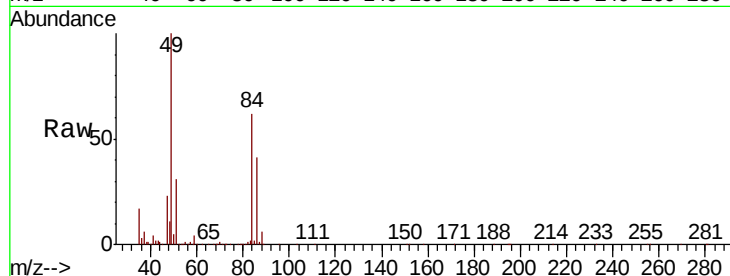




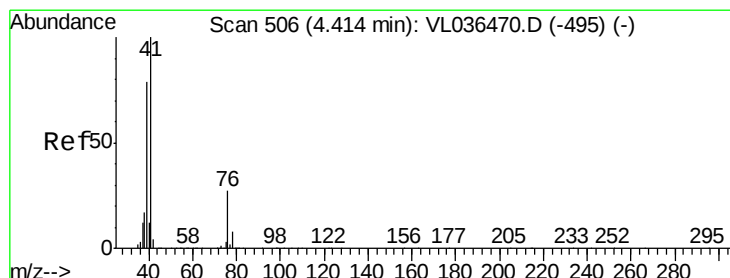
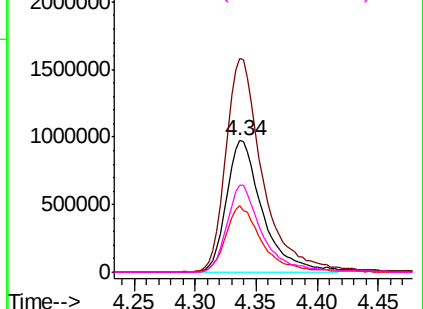
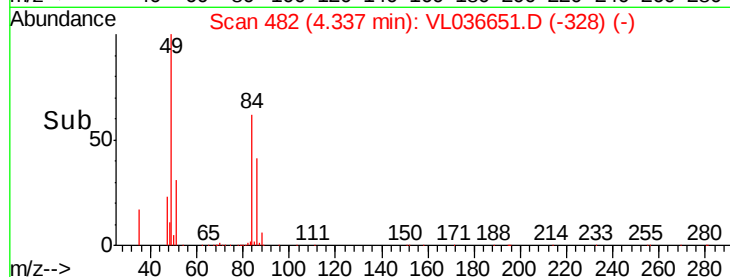
#20
Methylene Chloride
Concen: 35.070 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 2018864
Ion Ratio Lower Upper
84 100
49 162.4 122.9 184.3
51 49.9 36.9 55.3
86 65.9 48.2 72.4

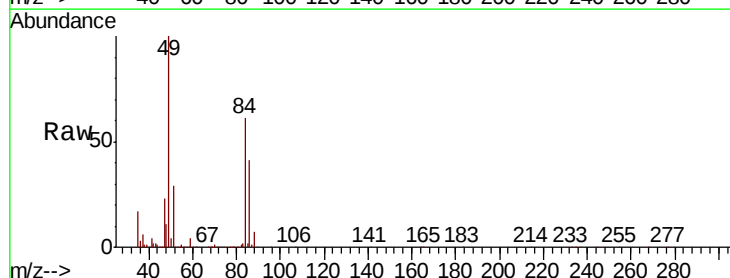


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

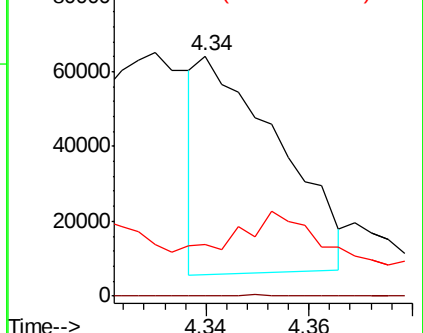
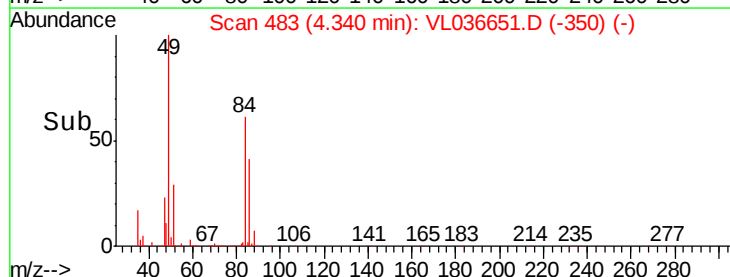


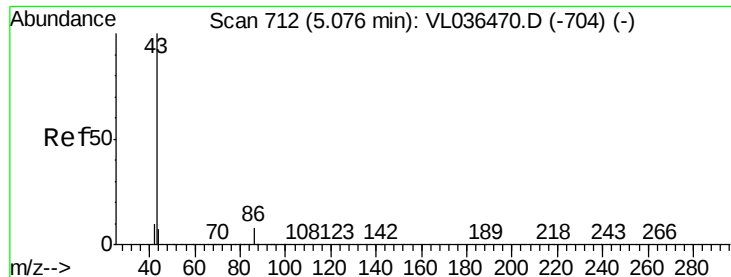
#21
Allyl Chloride
Concen: 0.646 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.07 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 41 Resp: 63271
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 0.0 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





#23

Vinyl Acetate

Concen: 0.960 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 202004

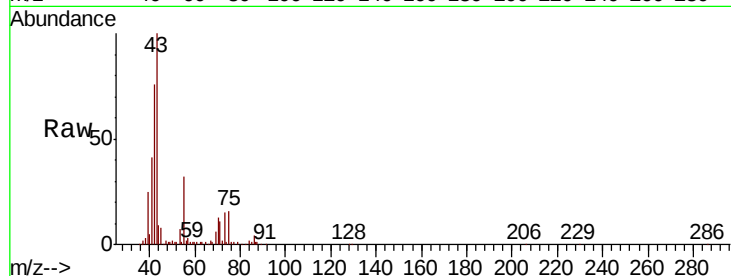
Ion Ratio Lower Upper

43 100

86 4.8 5.4 8.0#

42 80.5 8.5 12.7#

44 1.9 4.6 7.0#

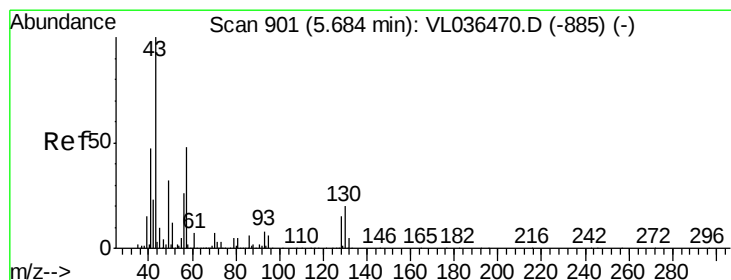
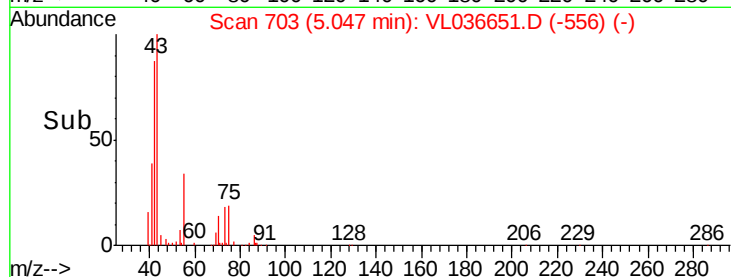
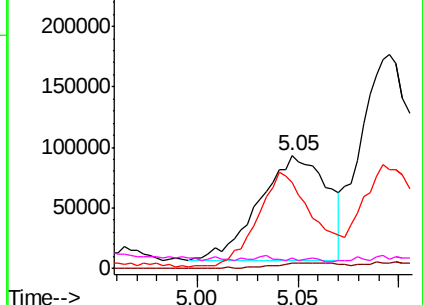


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 5.326 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Tgt Ion: 43 Resp: 1556770

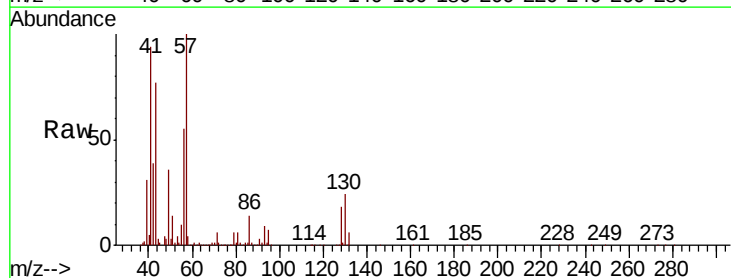
Ion Ratio Lower Upper

43 100

45 1.0 7.9 11.9#

61 1.0 7.4 11.2#

70 2.1 5.1 7.7#

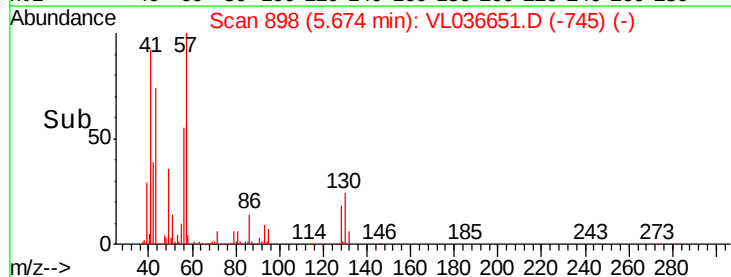
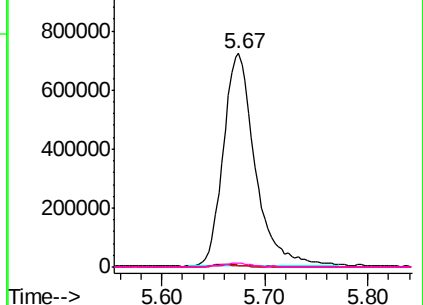


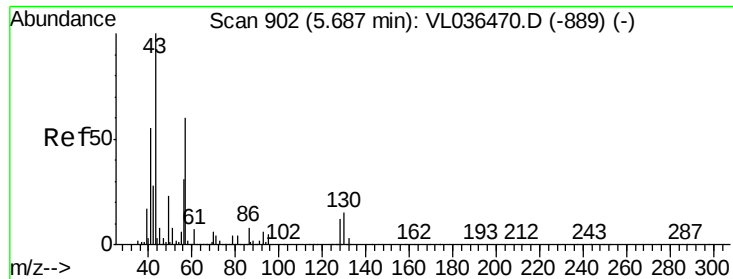
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



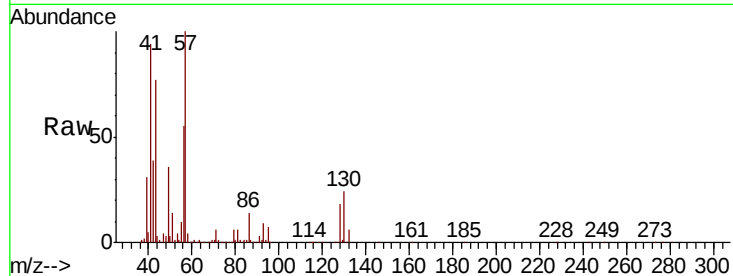


#26
Hexane
Concen: 14.864 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

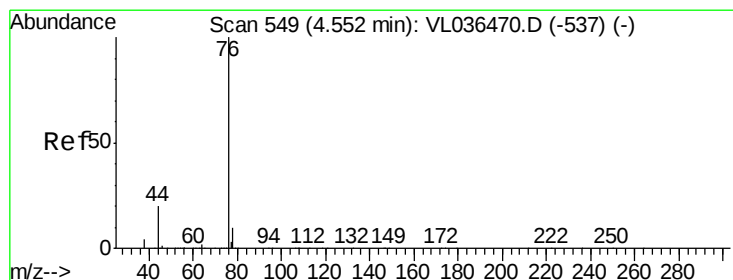
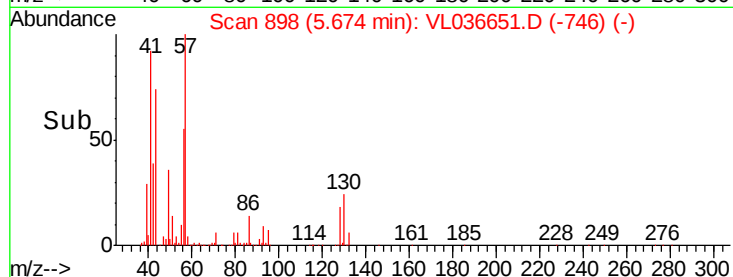
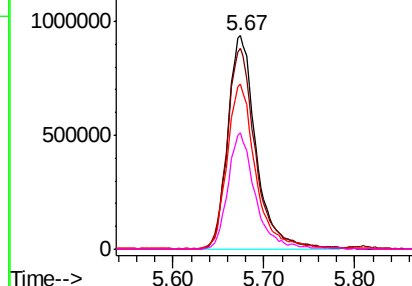
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 2016342

Ion	Ratio	Lower	Upper
57	100		
41	95.2	77.2	115.8
43	78.5	173.8	260.6#
56	53.2	43.8	65.6



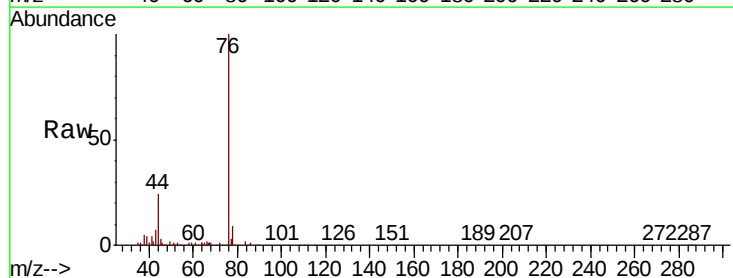
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



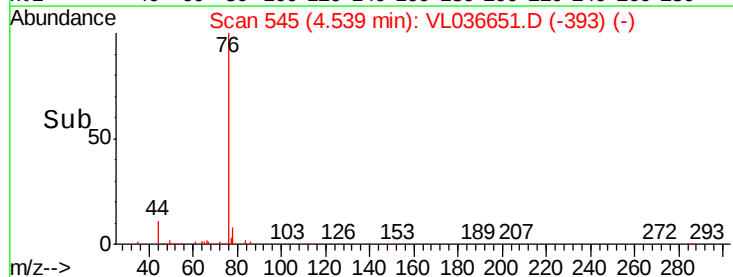
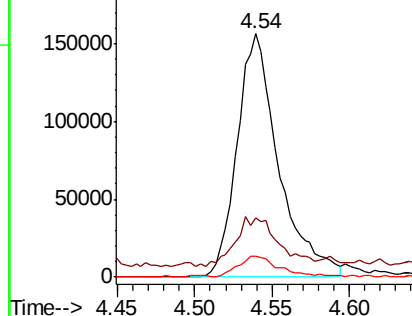
#27
Carbon Disulfide
Concen: 2.185 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

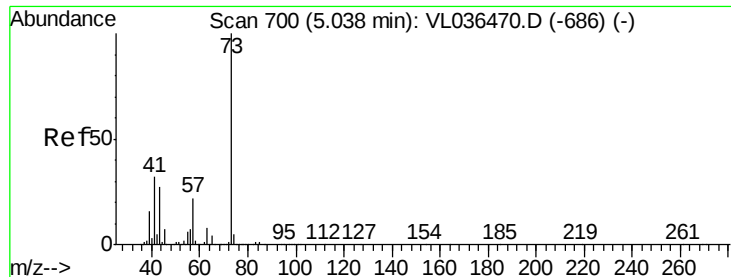
Tgt Ion: 76 Resp: 291946

Ion	Ratio	Lower	Upper
76	100		
44	24.4	17.5	26.3
78	9.4	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



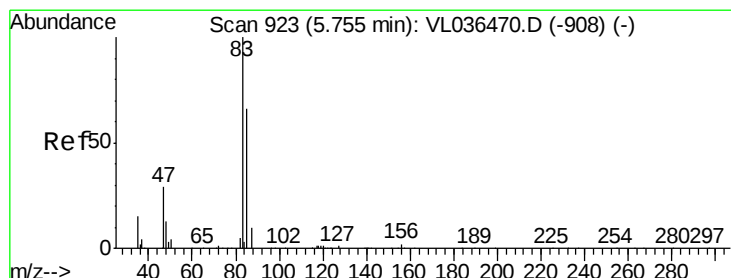
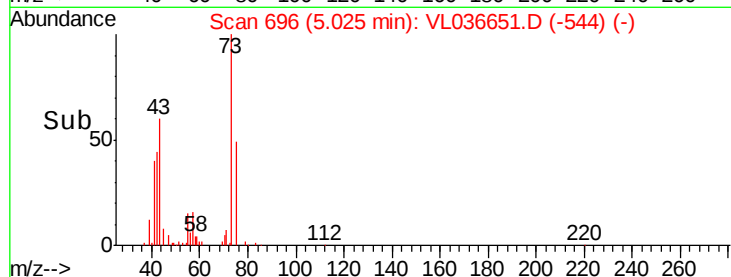
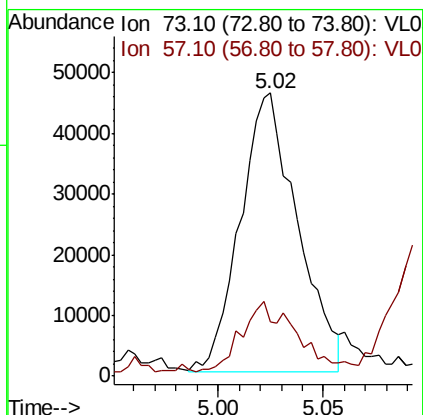
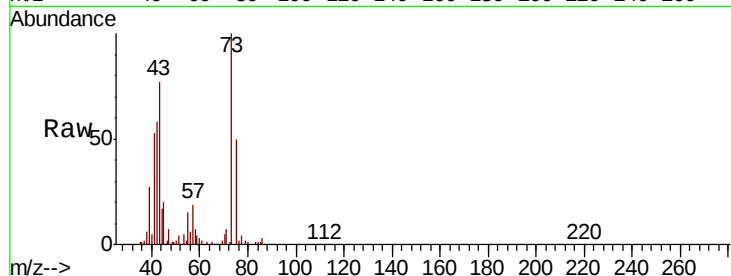


#28

Methvl tert-Butvl Ether
 Concen: 0.545 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

Instrument :
 MSVOA_L
 ClientSampleId :

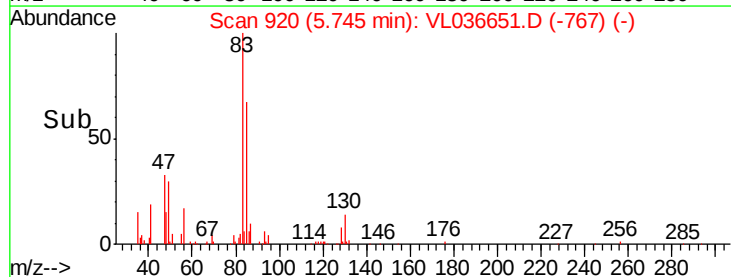
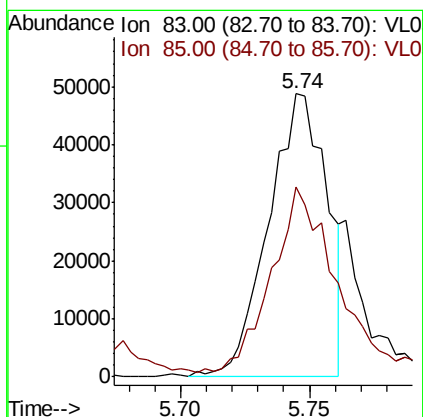
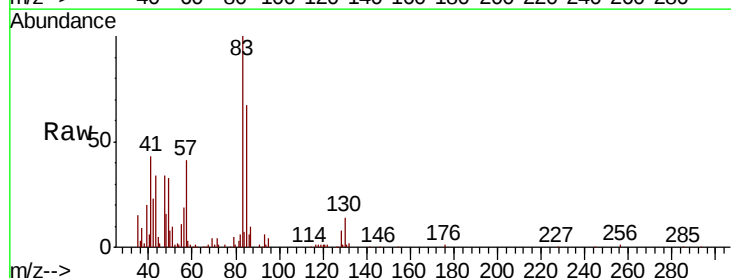
Tot Ion: 73 Resp: 87150
 Ion Ratio Lower Upper
 73 100
 57 26.2 18.5 27.7

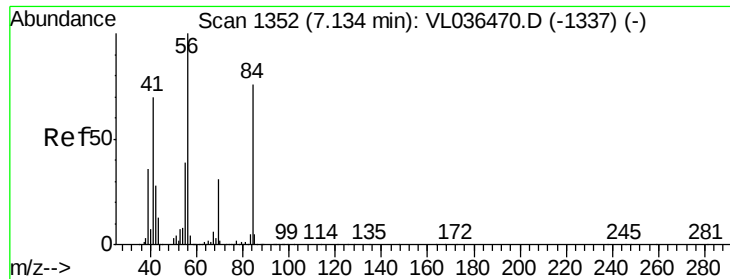


#29

Chloroform
 Concen: 0.355 ppbv
 RT: 5.74 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

Tgt Ion: 83 Resp: 77056
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.6 78.8

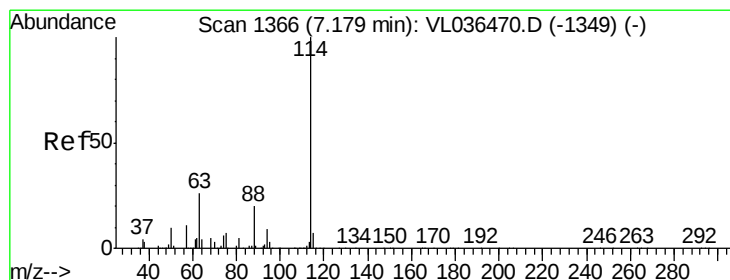
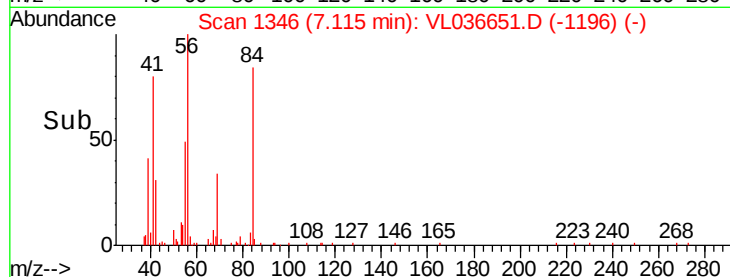
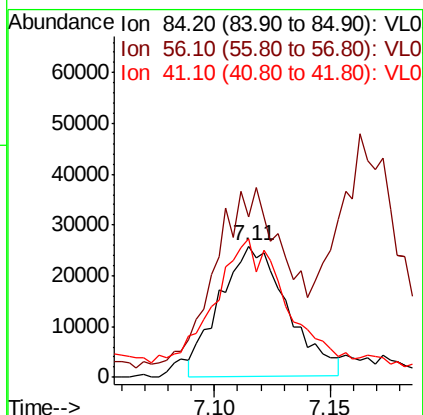
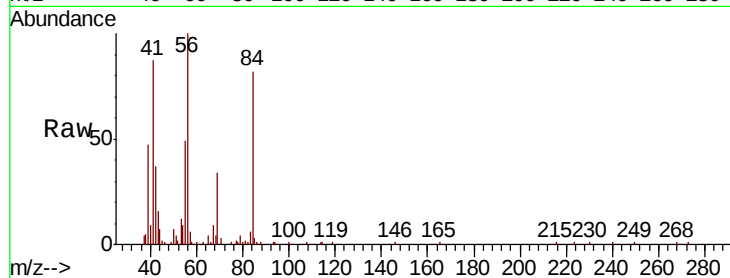




#30
Cvclohexane
Concen: 0.478 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

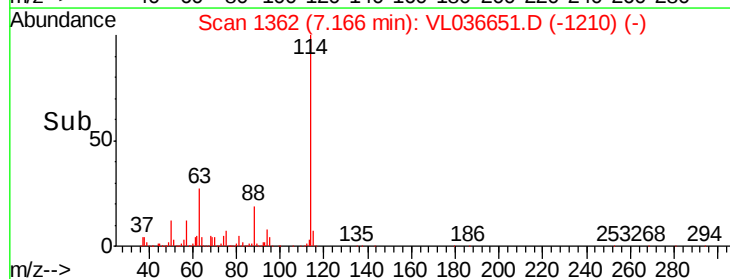
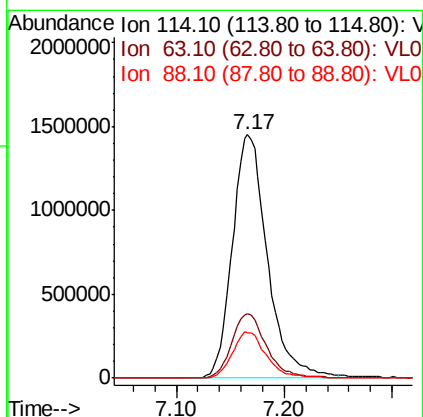
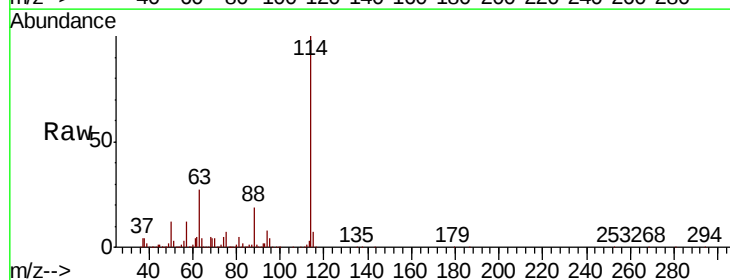
Instrument :
MSVOA_L
ClientSampleId :

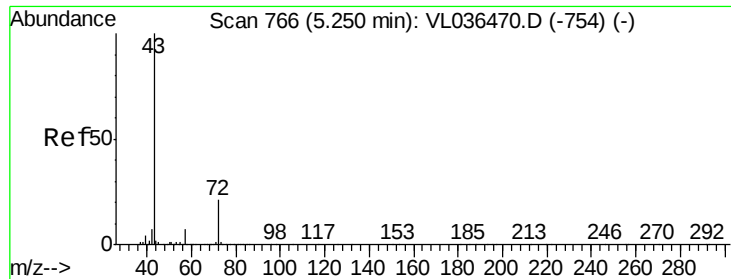
Tot Ion: 84 Resp: 52562
Ion Ratio Lower Upper
84 100
56 153.4 114.6 171.8
41 129.4 75.3 112.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 114 Resp: 3281517
Ion Ratio Lower Upper
114 100
63 26.7 22.4 33.6
88 18.6 15.4 23.0

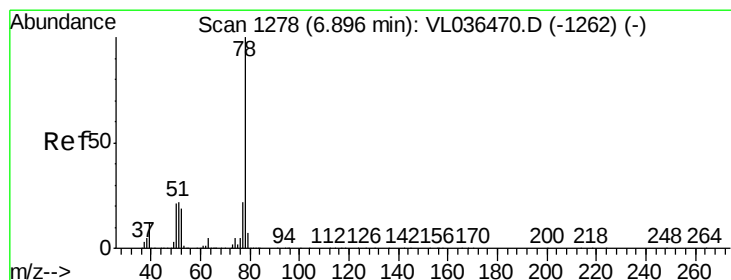
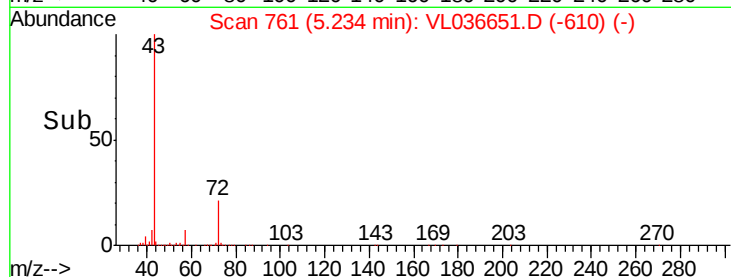
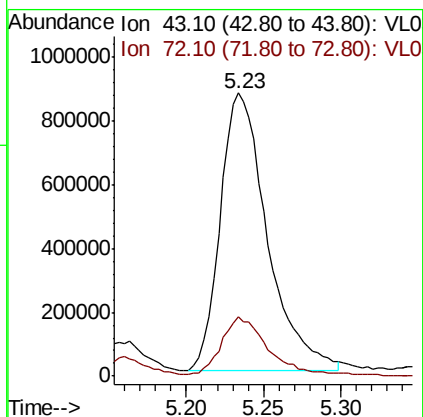
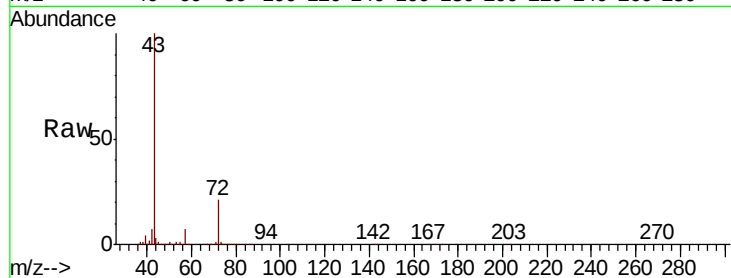




#34
2-Butanone
Concen: 11.475 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

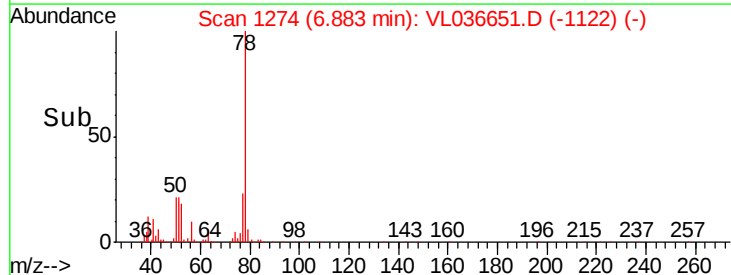
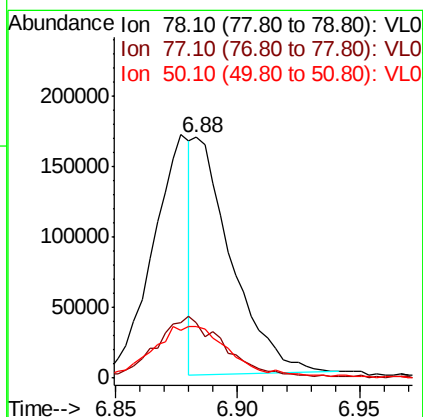
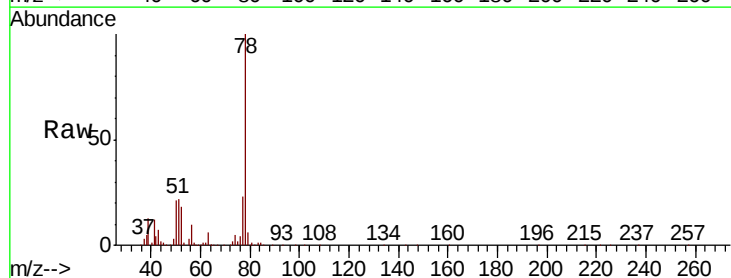
Instrument :
MSVOA_L
ClientSampled :

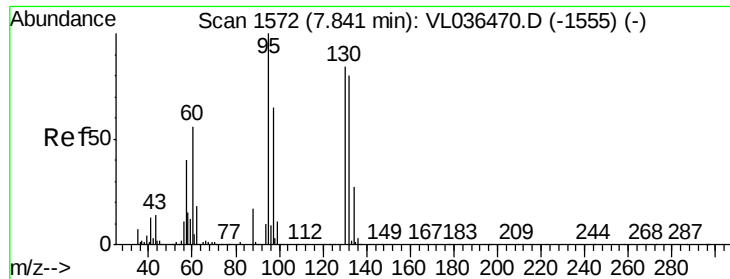
Tot Ion: 43 Resp: 1838005
Ion Ratio Lower Upper
43 100
72 21.0 17.0 25.6



#36
Benzene
Concen: 0.603 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 78 Resp: 182522
Ion Ratio Lower Upper
78 100
77 23.1 18.0 27.0
50 20.4 16.5 24.7





#38

Trichloroethene

Concen: 0.027 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036651.D

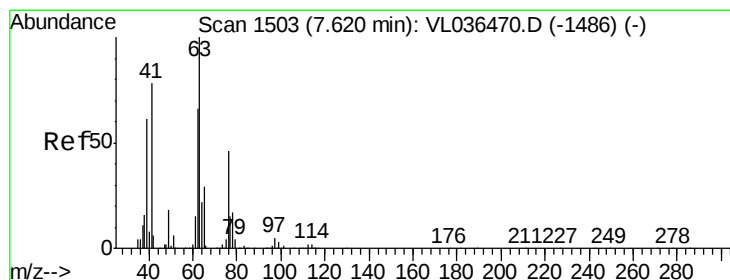
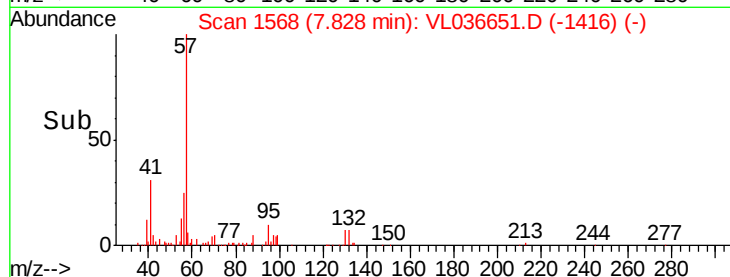
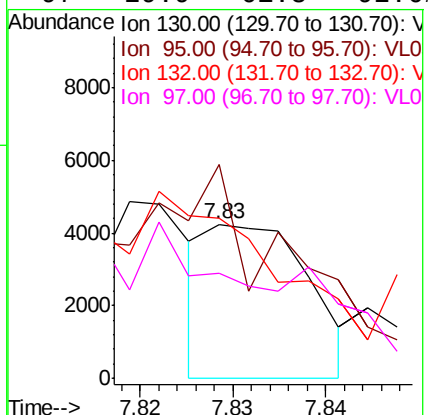
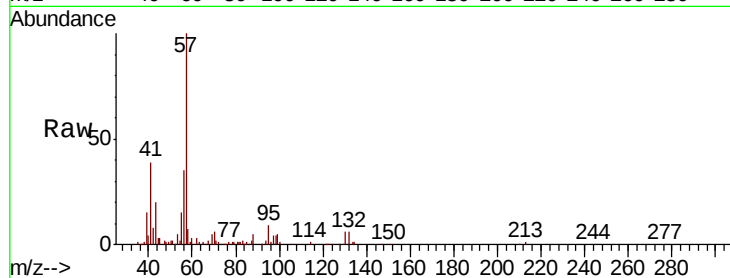
Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130	Resp:	3209
Ion Ratio	Lower	Upper
130 100		
95 112.3	95.7	143.5
132 78.8	76.2	114.4
97 29.9	61.8	92.6#



#39

1,2-Dichloropropane

Concen: 6.999 ppbv

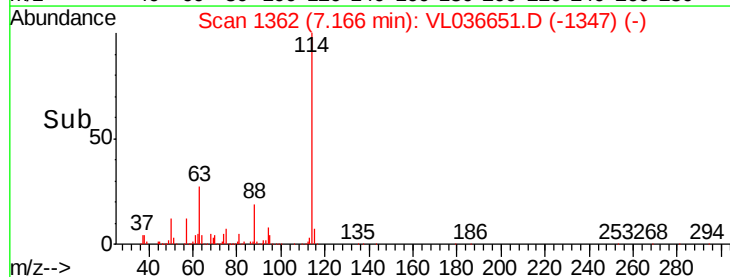
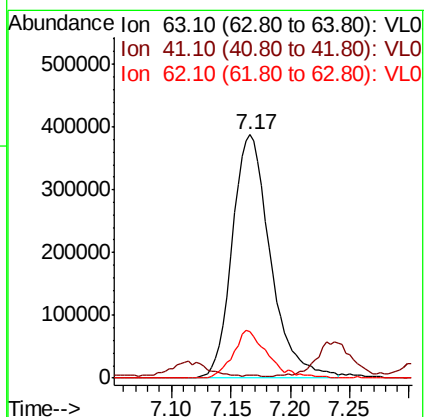
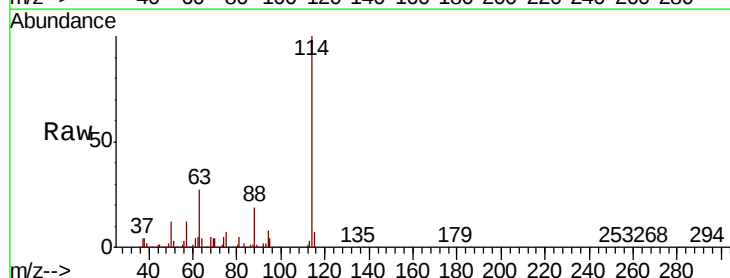
RT: 7.17 min Scan# 1362

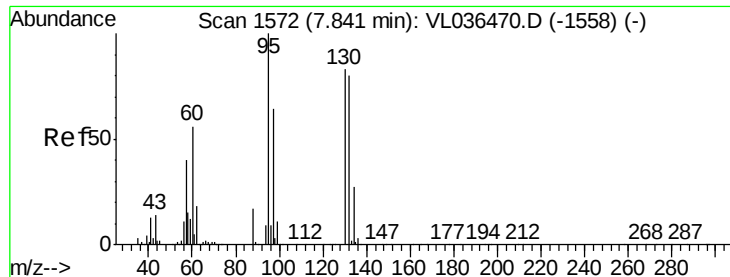
Delta R.T. -0.45 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Tgt	Ion: 63	Resp:	859293
Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	18.9	52.8	79.2#

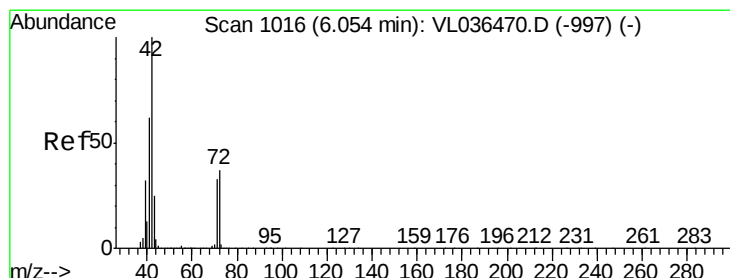
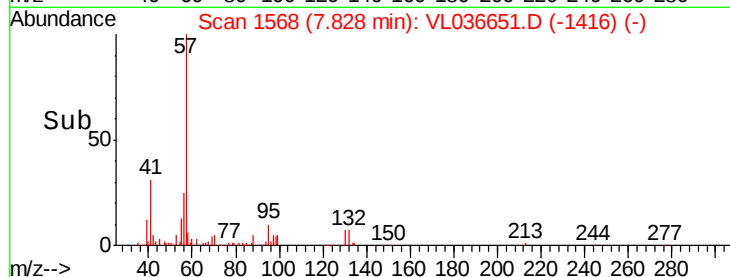
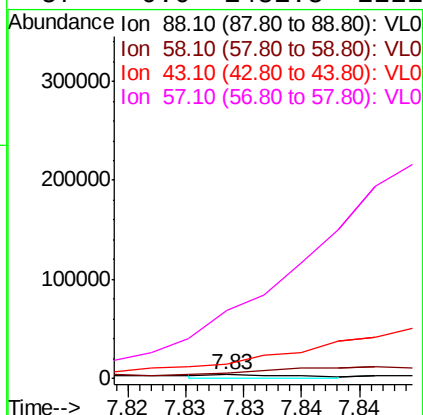
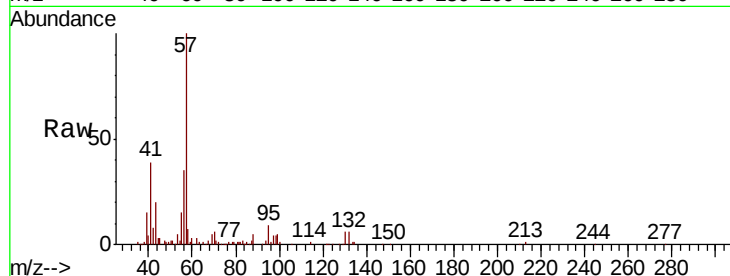




#40
1,4-Dioxane
Concen: 0.071 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

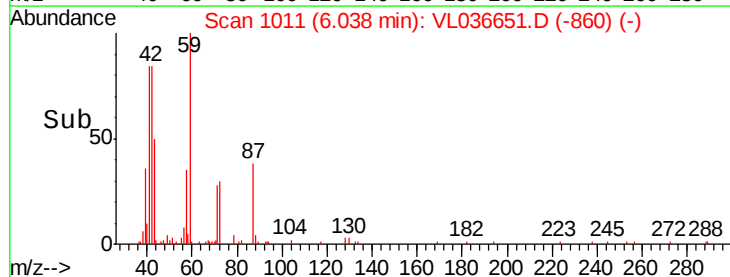
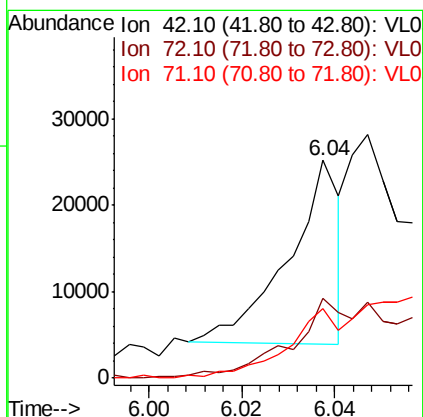
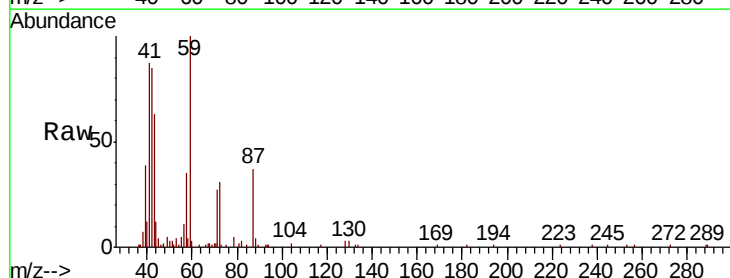
Instrument :
MSVOA_L
ClientSampleId :

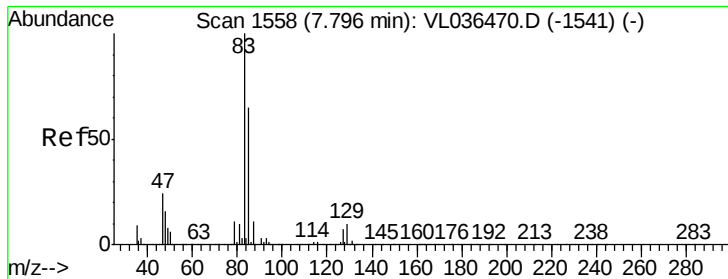
Tot Ion: 88 Resp: 2025
Ion Ratio Lower Upper
88 100
58 0.0 134.1 201.1#
43 0.0 346.6 520.0#
57 0.0 1481.8 2222.8#



#41
Tetrahydrofuran
Concen: 0.223 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 42 Resp: 16498
Ion Ratio Lower Upper
42 100
72 110.1 27.6 41.4#
71 0.0 27.0 40.4#





#42

Bromodichloromethane

Concen: 0.103 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :

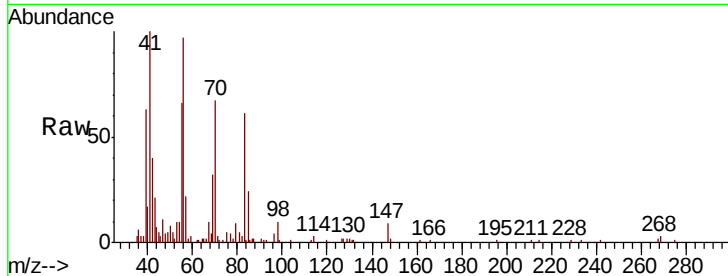
Tot Ion: 83 Resp: 24871

Ion Ratio Lower Upper

83 100

85 39.9 51.8 77.6#

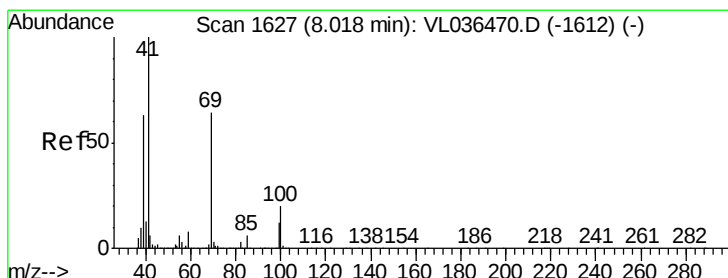
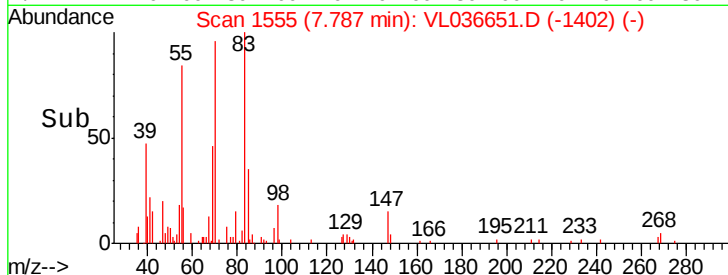
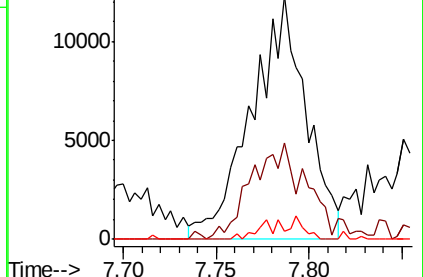
127 3.5 5.8 8.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.055 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.01 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

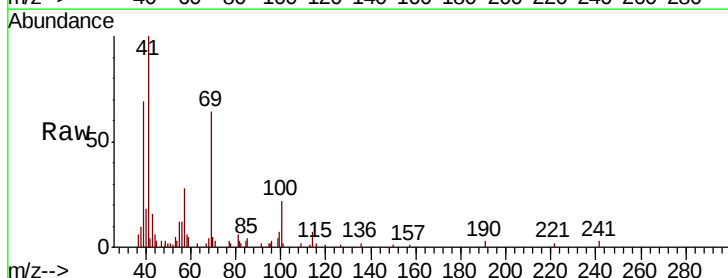
Tgt Ion: 69 Resp: 5539

Ion Ratio Lower Upper

69 100

41 330.4 126.8 190.2#

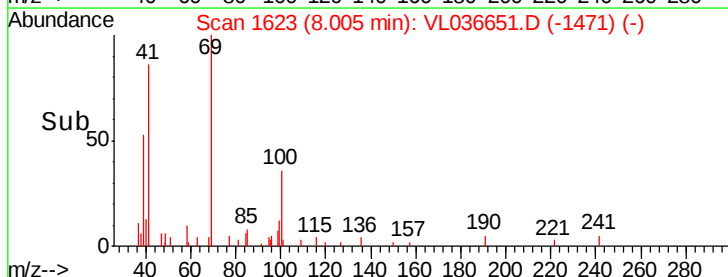
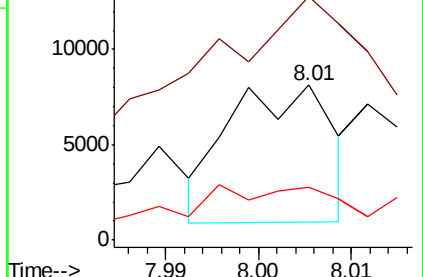
100 0.0 24.9 37.3#

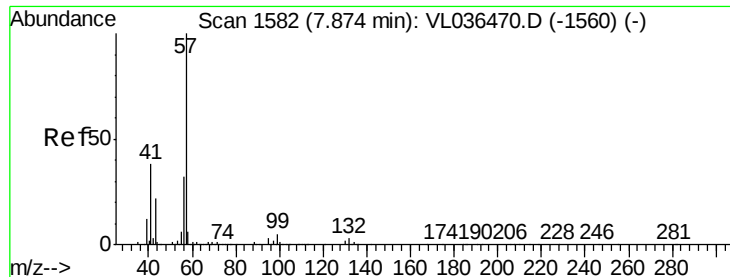


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

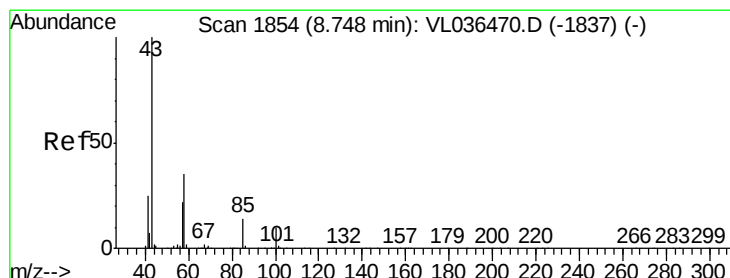
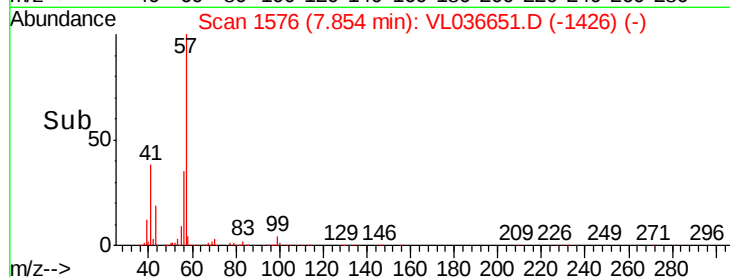
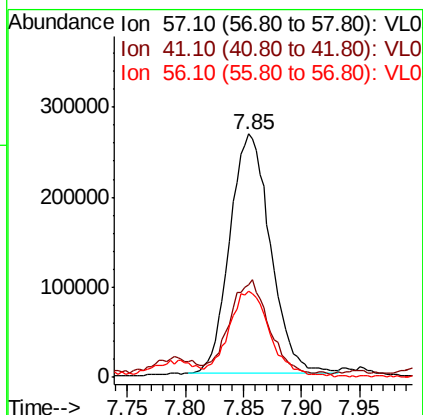
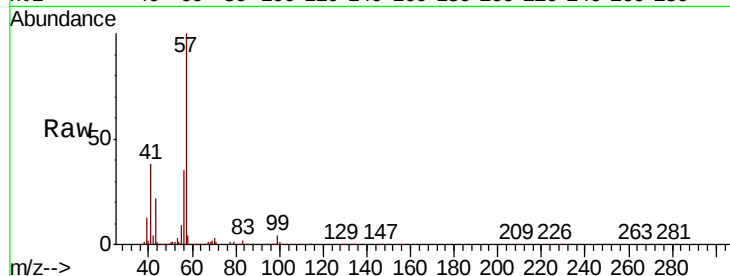




#44
 2,2,4-Trimethylpentane
 Concen: 1.211 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

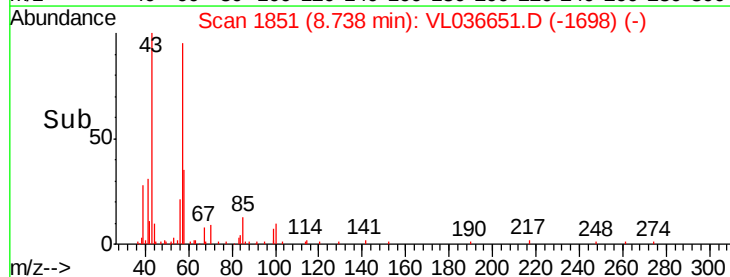
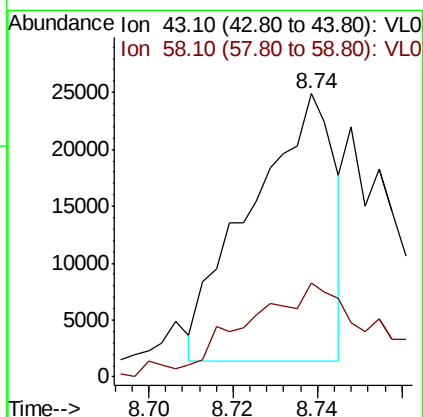
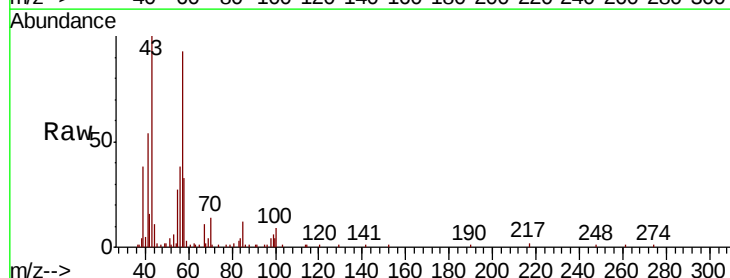
Instrument :
 MSVOA_L
 ClientSampleId :

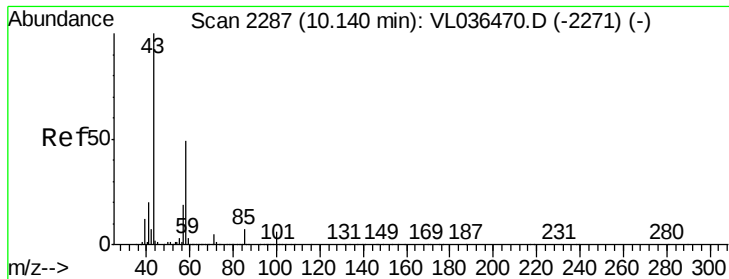
Tot Ion	57	Resp	645153
Ion	Ratio	Lower	Upper
57	100		
41	40.7	28.8	43.2
56	36.7	26.1	39.1



#50
 4-Methyl-2-Pentanone
 Concen: 0.140 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VL036651.D
 Acq: 2 Apr 2021 19:06

Tgt Ion	43	Resp	32545
Ion	Ratio	Lower	Upper
43	100		
58	62.5	28.2	42.2#

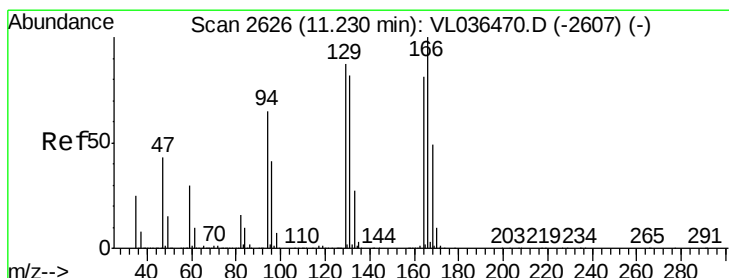
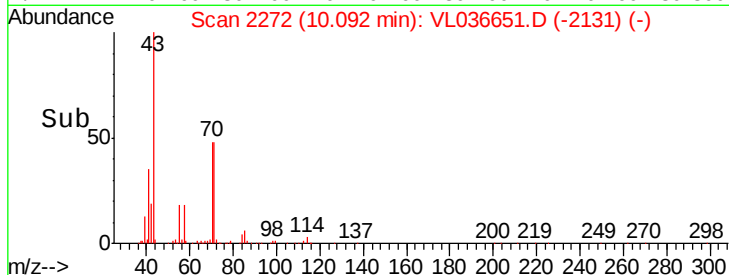
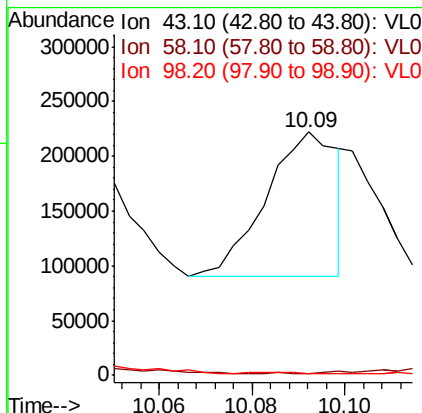
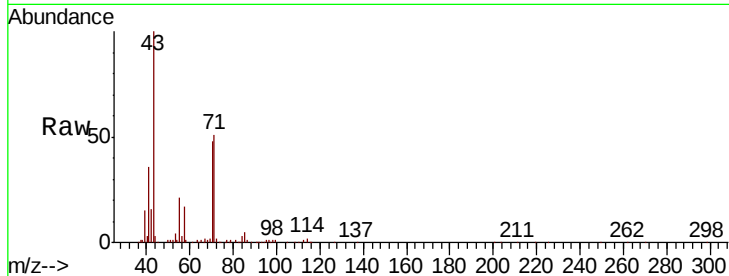




#51
2-Hexanone
Concen: 1.209 ppbv
RT: 10.09 min Scan# 2272
Delta R.T. -0.05 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

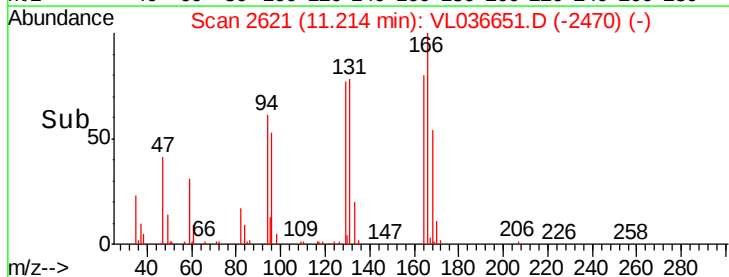
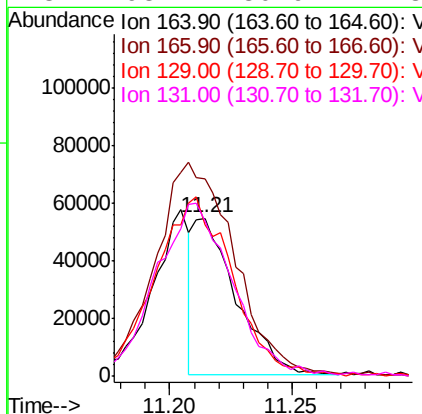
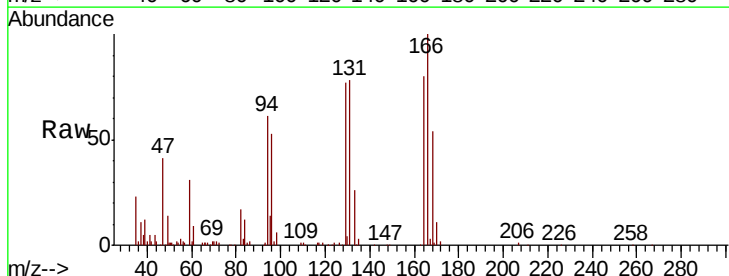
Instrument :
MSVOA_L
ClientSampleId :

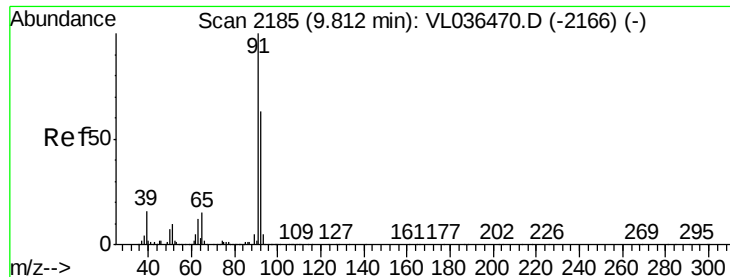
Tot Ion: 43 Resp: 141427
Ion Ratio Lower Upper
43 100
58 24.6 37.7 56.5#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.586 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 164 Resp: 65311
Ion Ratio Lower Upper
164 100
166 124.8 98.3 147.5
129 95.8 85.8 128.8
131 98.4 80.9 121.3





#53

Toluene

Concen: 3.613 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

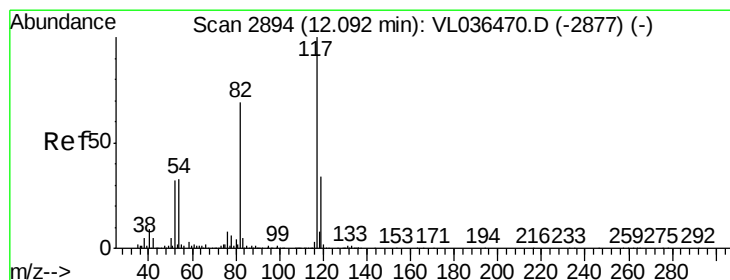
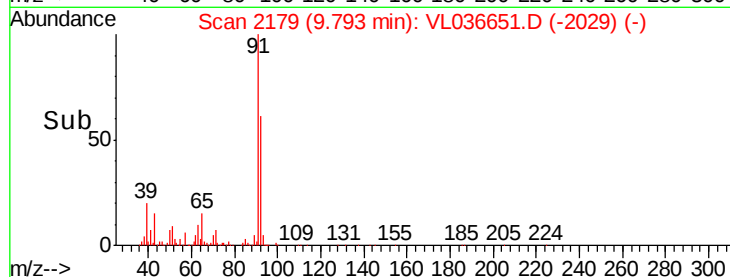
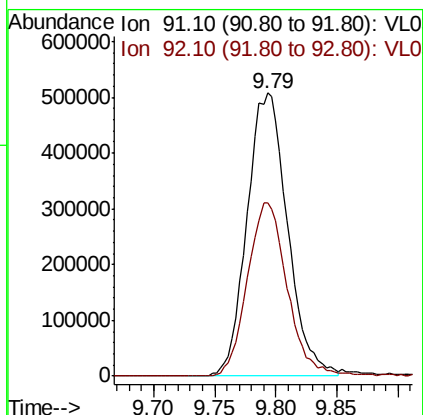
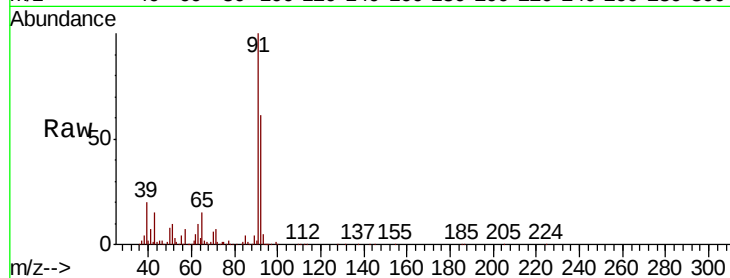
ClientSampleId :

Tot Ion: 91 Resp: 1164540

Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

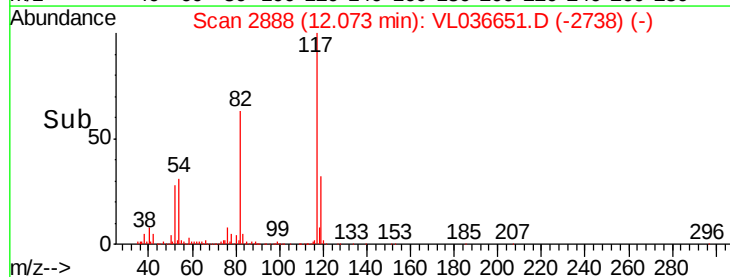
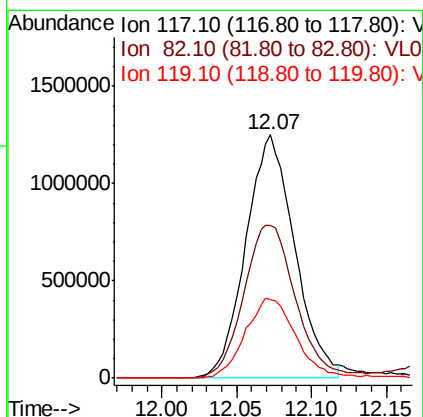
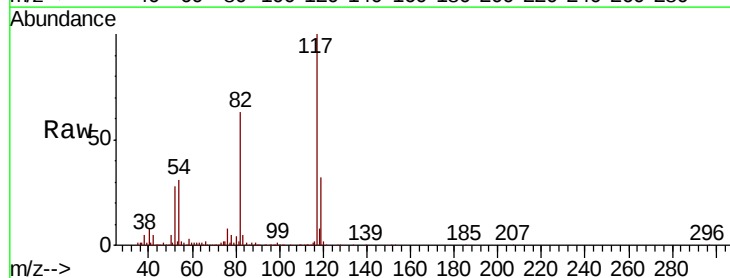
Tgt Ion: 117 Resp: 2841913

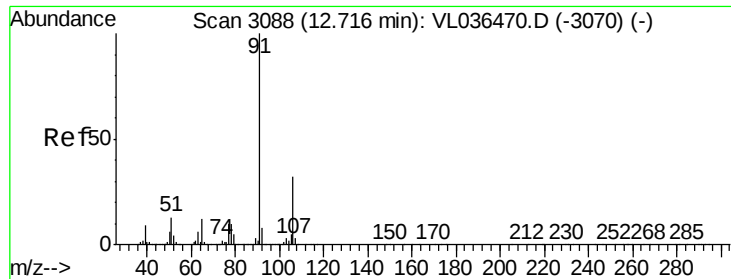
Ion Ratio Lower Upper

117 100

82 66.8 57.4 86.0

119 34.8 47.4 71.0#





#58

Ethyl Benzene

Concen: 1.559 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

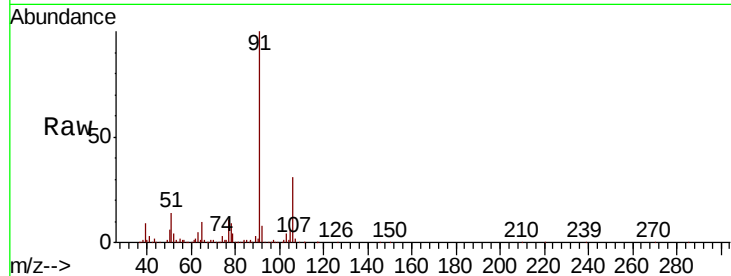
ClientSampleId :

Tot Ion: 91 Resp: 644775

Ion Ratio Lower Upper

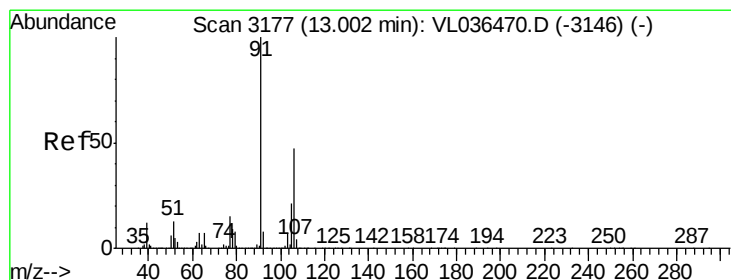
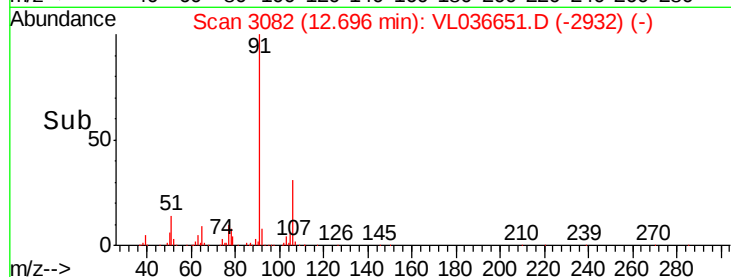
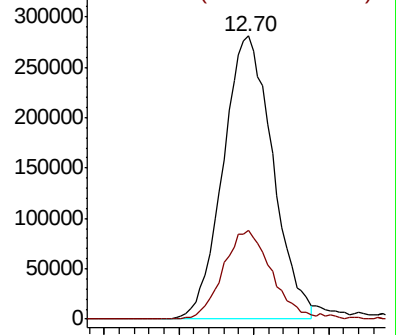
91 100

106 31.3 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: 6.167 ppbv

RT: 12.95 min Scan# 3161

Delta R.T. -0.05 min

Lab File: VL036651.D

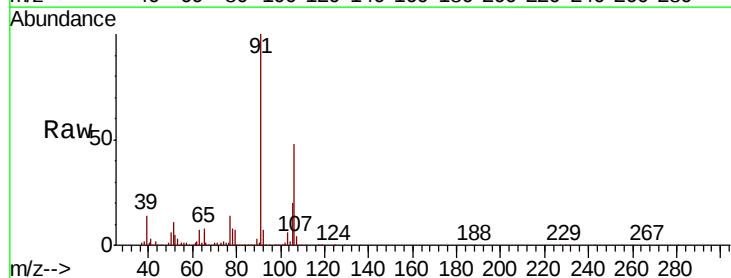
Acq: 2 Apr 2021 19:06

Tgt Ion: 91 Resp: 2223881

Ion Ratio Lower Upper

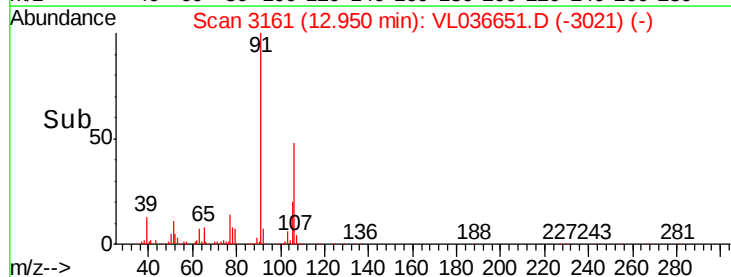
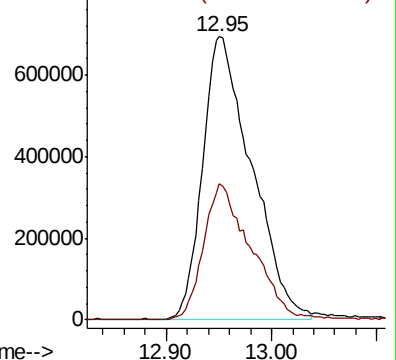
91 100

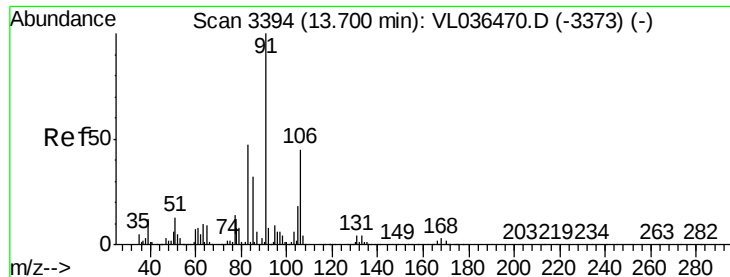
106 47.6 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

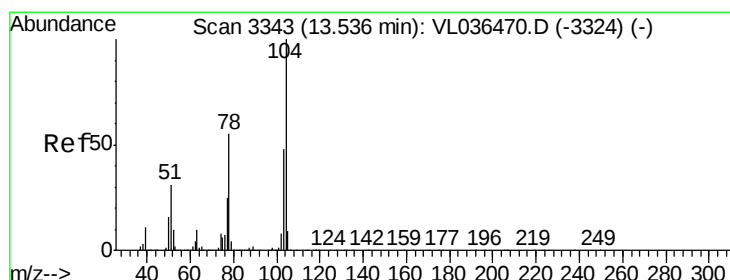
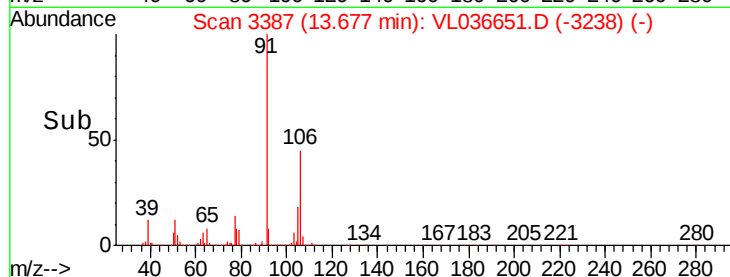
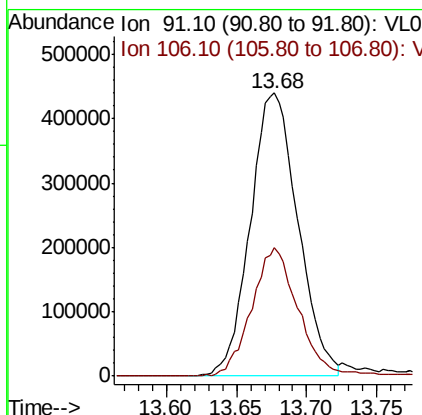
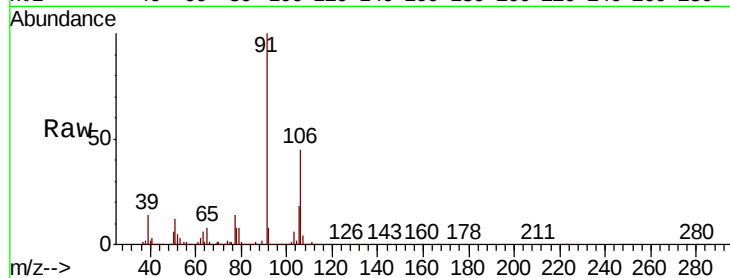




#60
o-Xylene
Concen: 2.967 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

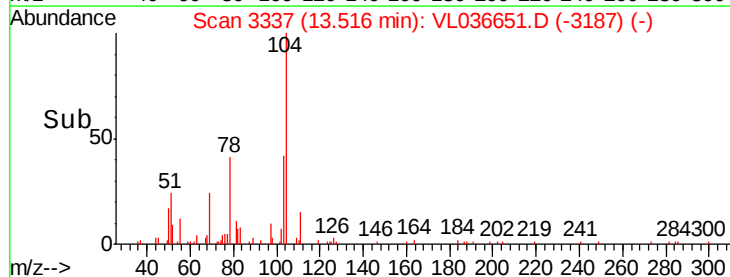
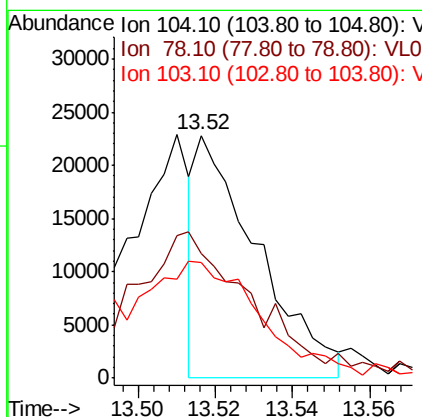
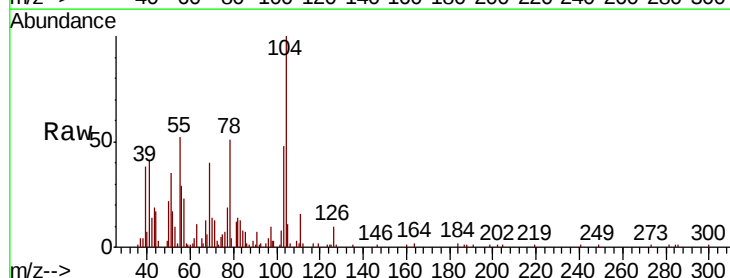
Instrument :
MSVOA_L
ClientSampled :

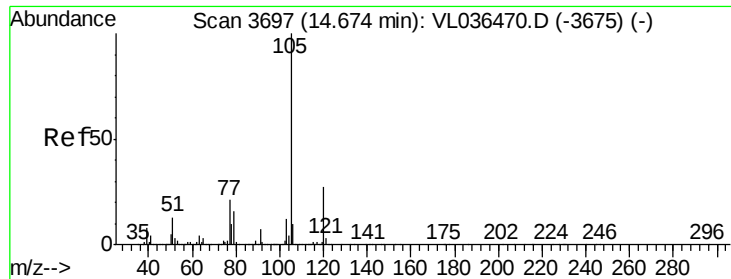
Tot Ion: 91 Resp: 1034470
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9



#61
Styrene
Concen: 0.142 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion: 104 Resp: 24972
Ion Ratio Lower Upper
104 100
78 128.0 43.8 65.8#
103 111.0 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.155 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

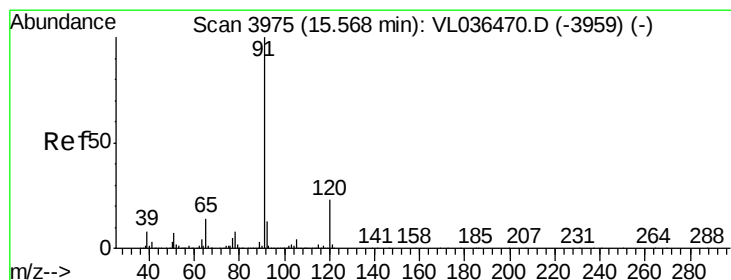
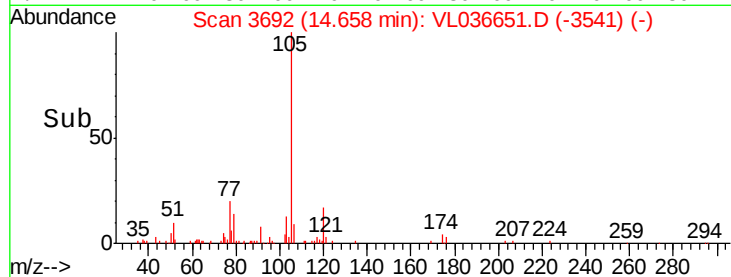
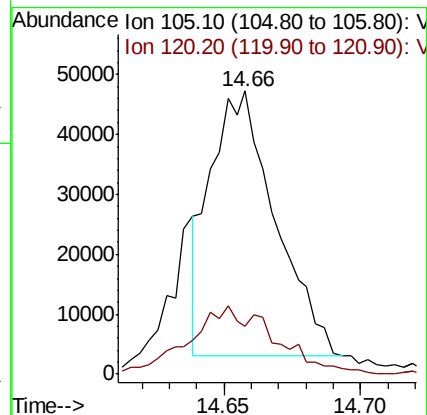
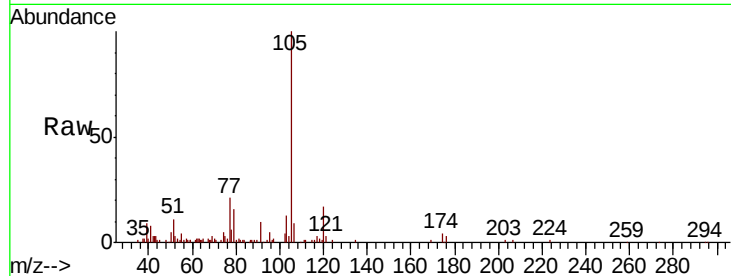
ClientSampleId :

Tot Ion:105 Resp: 72795

Ion Ratio Lower Upper

105 100

120 34.8 20.6 31.0#



#64

n-propylbenzene

Concen: 0.536 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.02 min

Lab File: VL036651.D

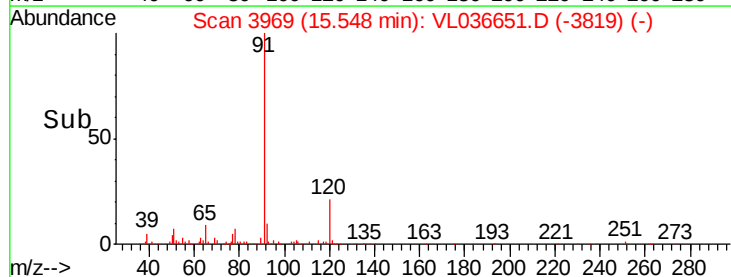
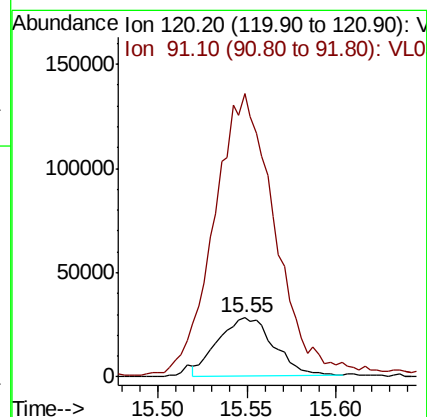
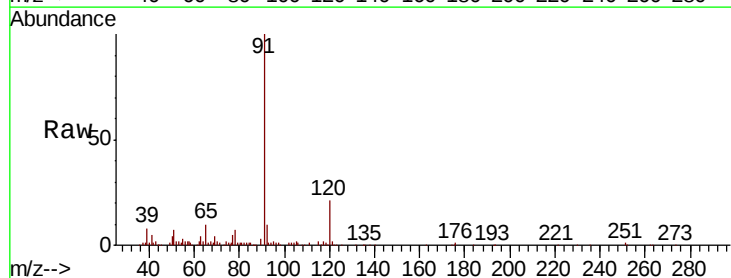
Acq: 2 Apr 2021 19:06

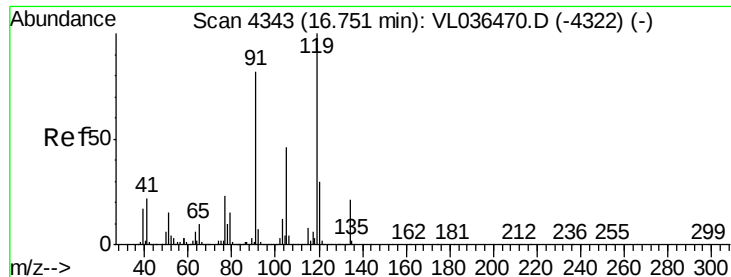
Tgt Ion:120 Resp: 61563

Ion Ratio Lower Upper

120 100

91 538.4 377.4 566.2





#65

tert-Butylbenzene

Concen: 0.389 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :

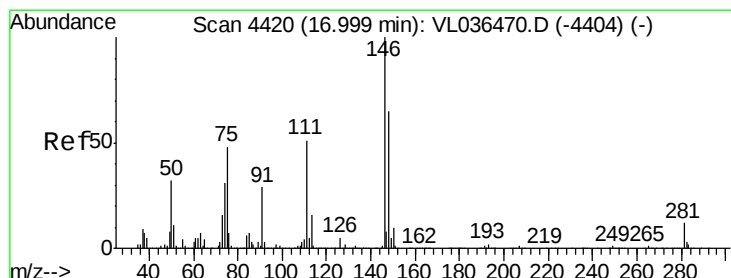
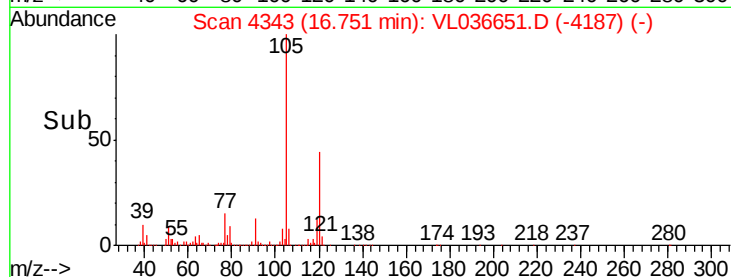
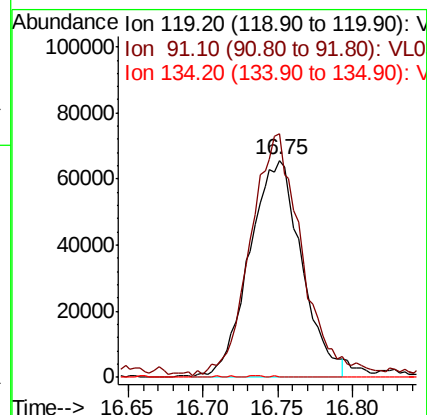
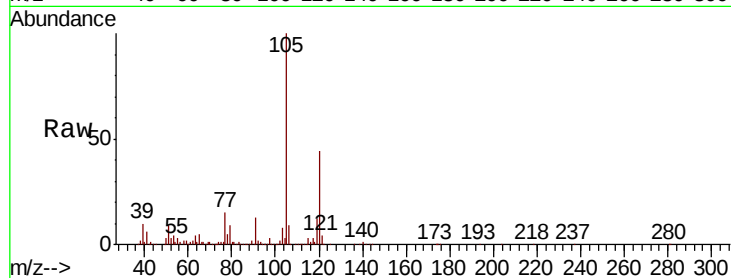
Tot Ion:119 Resp: 158586

Ion Ratio Lower Upper

119 100

91 110.5 67.5 101.3#

134 0.0 15.8 23.8#



#66

Benzyl Chloride

Concen: 0.145 ppbv

RT: 17.19 min Scan# 4479

Delta R.T. 0.19 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

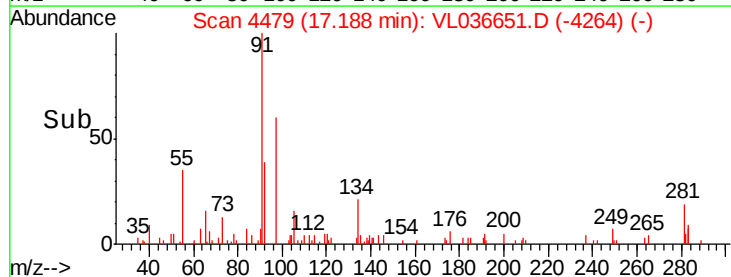
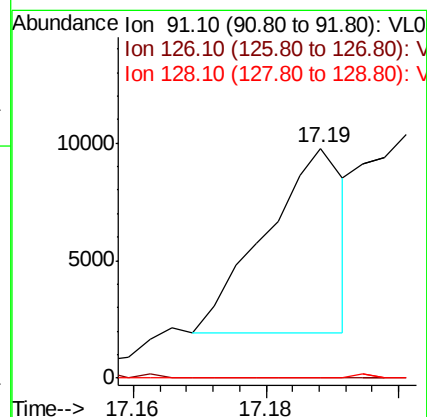
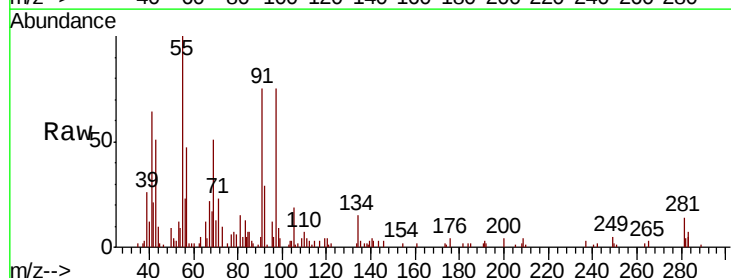
Tgt Ion: 91 Resp: 6525

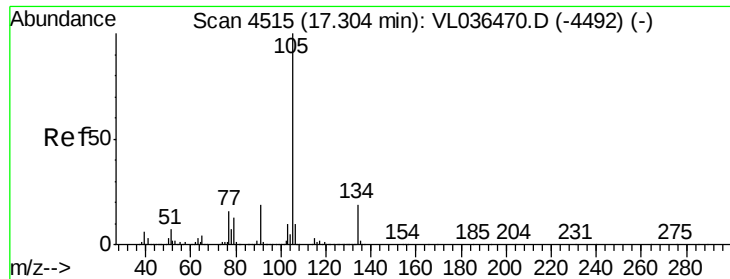
Ion Ratio Lower Upper

91 100

126 4.0 13.5 20.3#

128 1.7 4.2 6.4#





#67

sec-Butylbenzene

Concen: 0.051 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

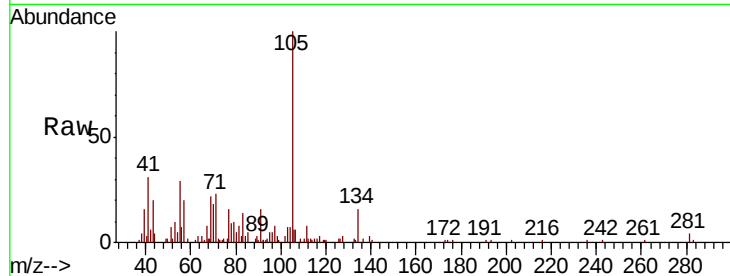
ClientSampleId :

Tot Ion:105 Resp: 29312

Ion Ratio Lower Upper

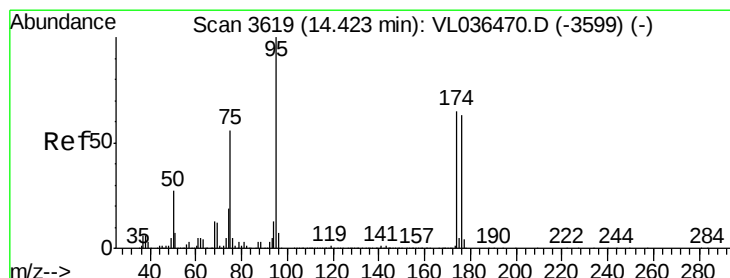
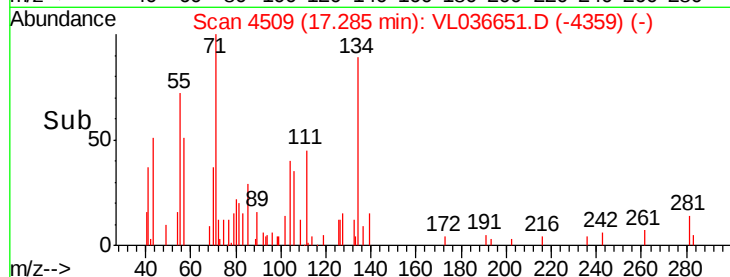
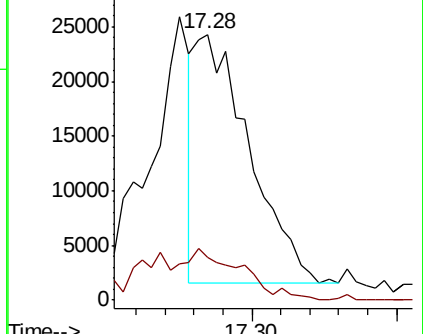
105 100

134 36.7 14.7 22.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.501 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

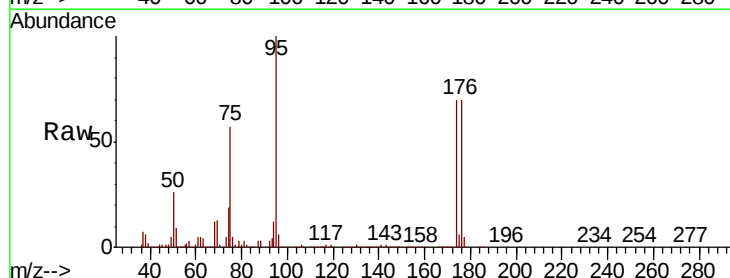
Tgt Ion: 95 Resp: 2378420

Ion Ratio Lower Upper

95 100

174 70.8 51.0 76.6

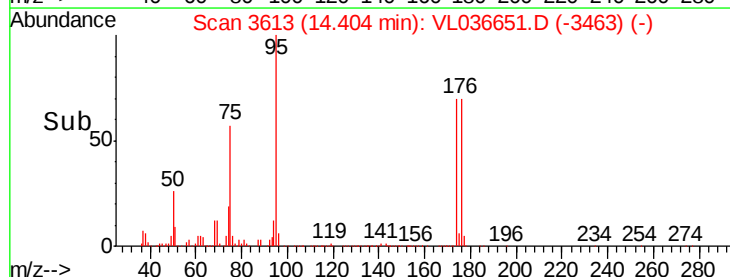
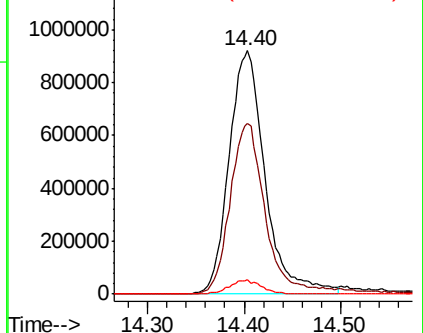
175 5.4 3.9 5.9

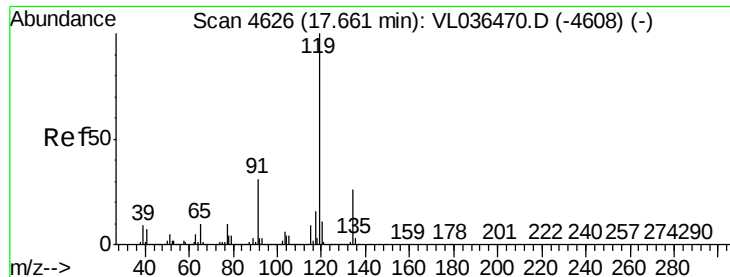


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.060 ppbv

RT: 17.63 min Scan# 4617

Delta R.T. -0.03 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :

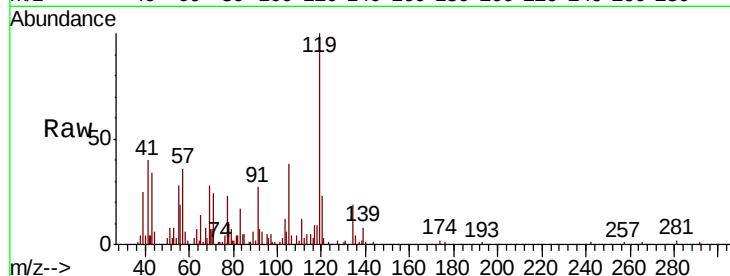
Tot Ion: 119 Resp: 26910

Ion Ratio Lower Upper

119 100

134 0.0 20.6 30.8#

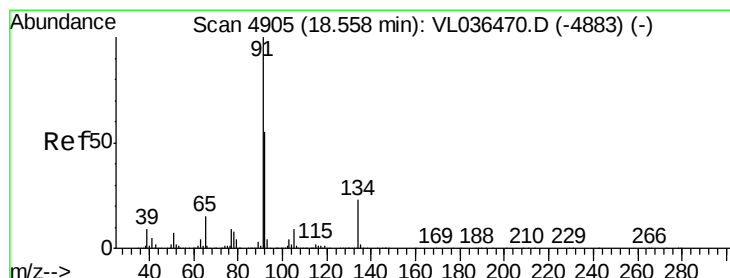
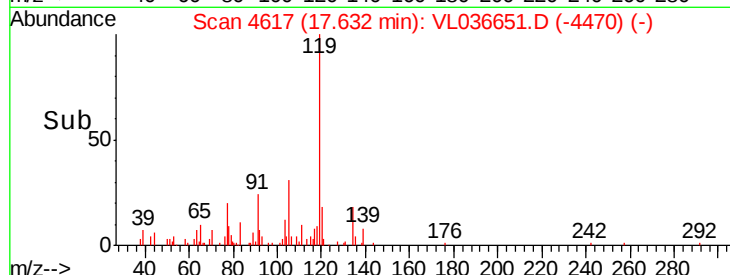
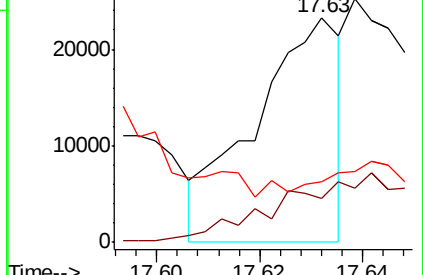
91 0.0 25.0 37.6#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.027 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. -0.03 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

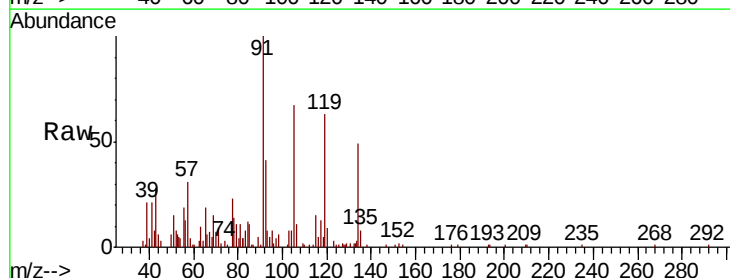
Tgt Ion: 91 Resp: 12556

Ion Ratio Lower Upper

91 100

92 0.0 43.8 65.8#

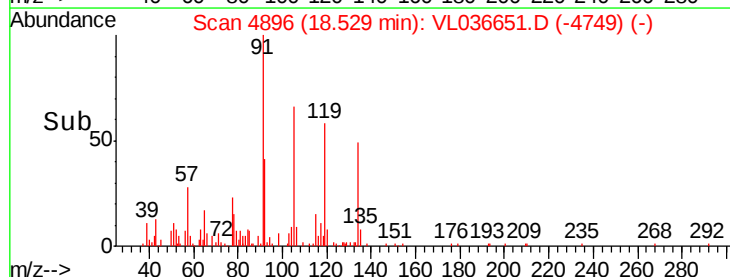
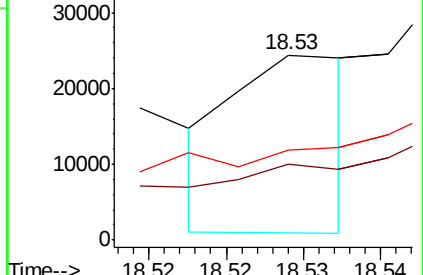
134 0.0 18.0 27.0#

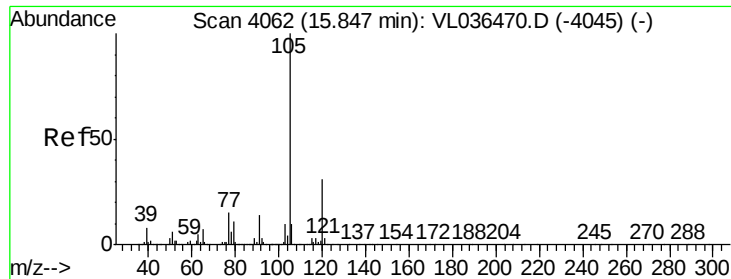


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

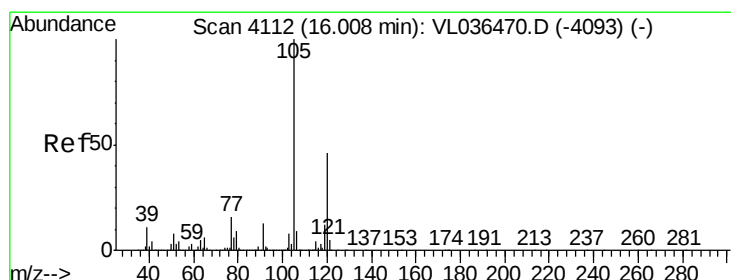
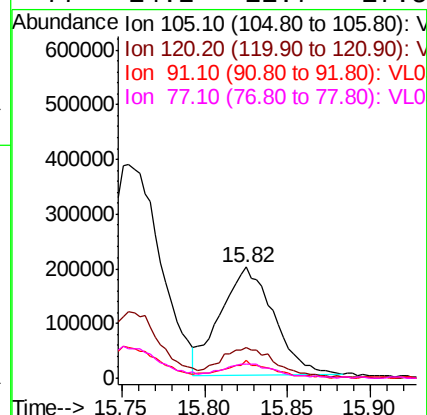
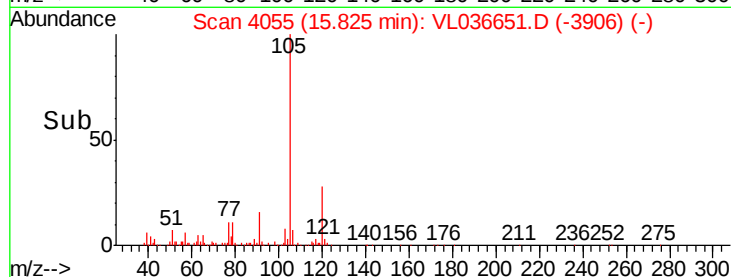
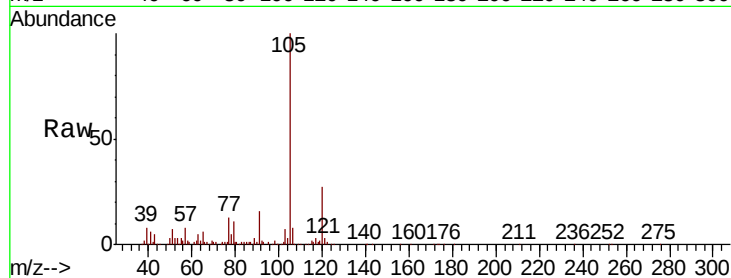




#72
4-Ethyltoluene
Concen: 1.164 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

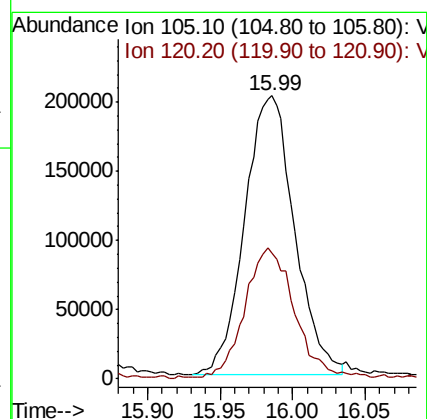
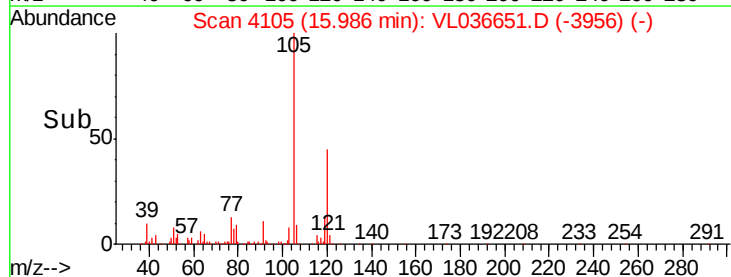
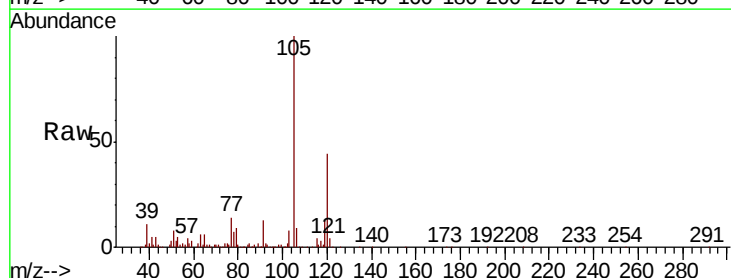
Instrument :
MSVOA_L
ClientSampled :

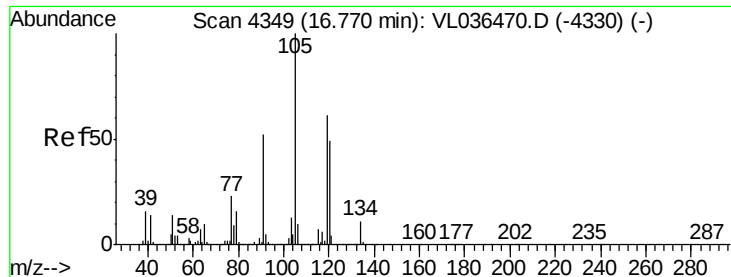
Tot Ion:	105	Resp:	444636
Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.0	36.0
91	13.2	11.0	16.4
77	14.2	11.7	17.5



#73
1,3,5-Trimethylbenzene
Concen: 1.358 ppbv
RT: 15.99 min Scan# 4105
Delta R.T. -0.02 min
Lab File: VL036651.D
Acq: 2 Apr 2021 19:06

Tgt Ion:	105	Resp:	484139
Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 3.750 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1431128

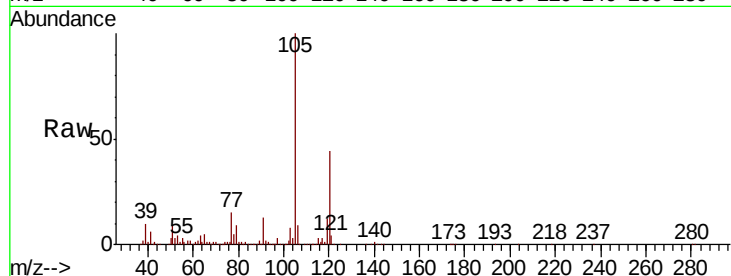
Ion Ratio Lower Upper

105 100

120 44.1 39.2 58.8

91 12.8 42.6 64.0#

77 14.9 18.6 28.0#

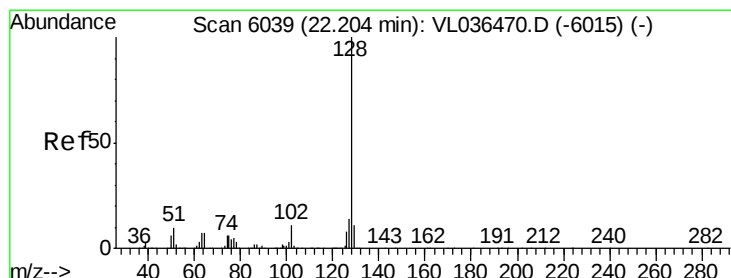
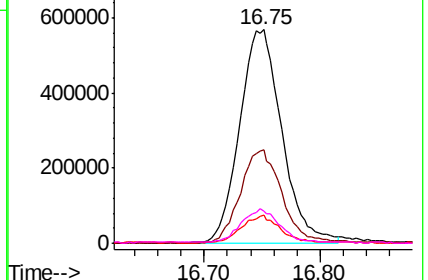
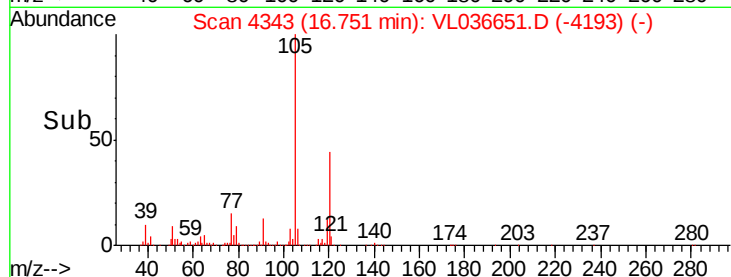


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.025 ppbv

RT: 22.18 min Scan# 6030

Delta R.T. -0.03 min

Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

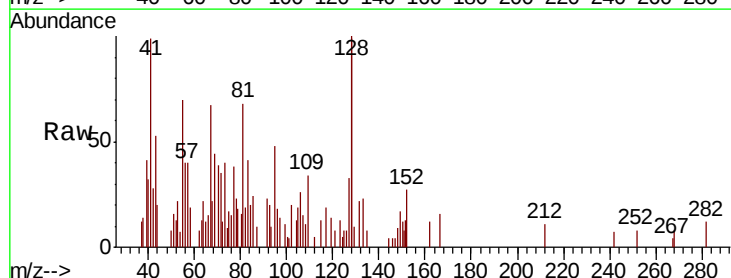
Tgt Ion:128 Resp: 5571

Ion Ratio Lower Upper

128 100

127 16.8 10.9 16.3#

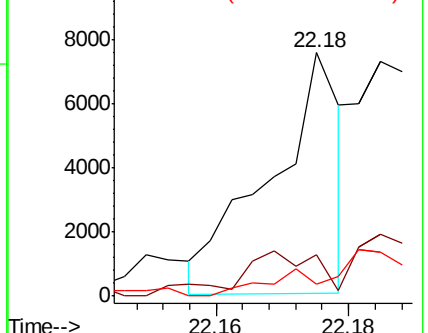
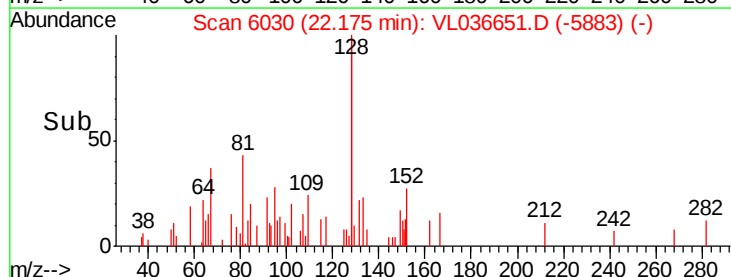
129 5.7 9.0 13.4#

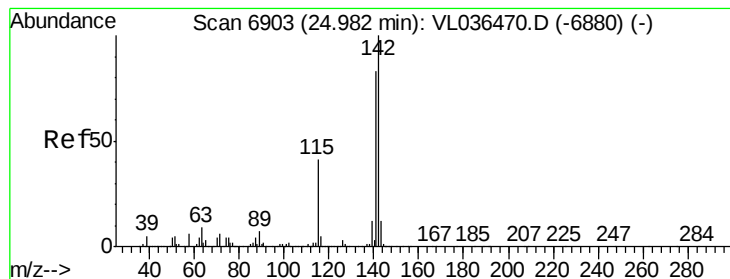


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.049 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.02 min

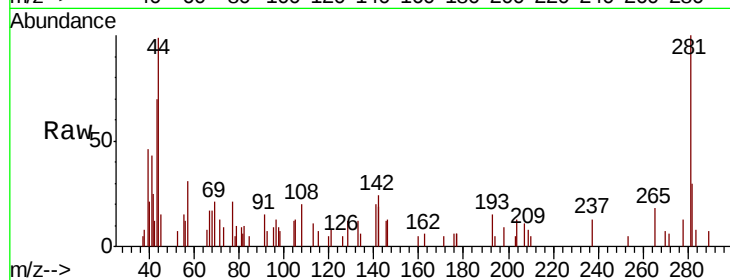
Lab File: VL036651.D

Acq: 2 Apr 2021 19:06

Instrument :

MSVOA_L

ClientSampleId :



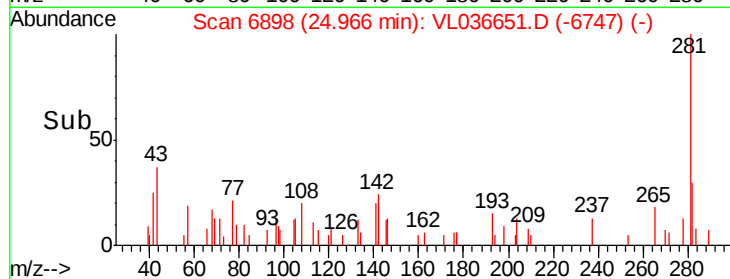
Tot Ion:142 Resp: 2168

Ion Ratio Lower Upper

142 100

141 0.0 67.8 101.8#

115 31.9 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

