

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036599.D
 Acq On : 31 Mar 2021 13:04
 Operator : SY/AP
 Sample : M1840-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:25:49 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	1274784	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3186637	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2876206	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2399121	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

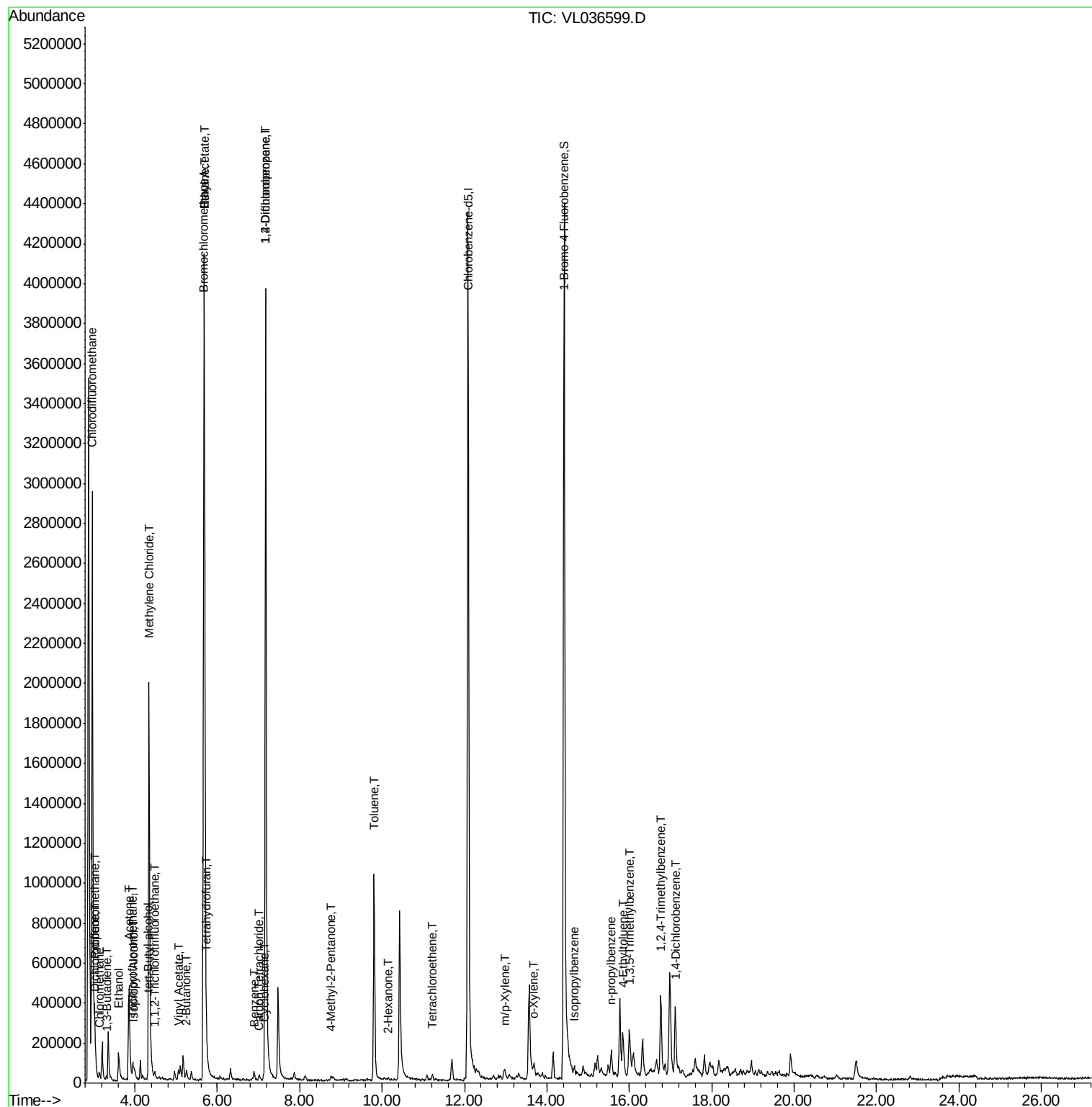
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	51927	0.250	ppbv 99
3) Chlorodifluoromethane	2.96	51	2405351	10.099	ppbv # 60
4) Chloromethane	3.14	50	32503	0.386	ppbv # 88
9) Propene	3.02	41	63437	0.835	ppbv # 78
11) Trichlorofluoromethane	3.95	101	51868	0.245	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6583	0.049	ppbv # 50
13) Ethanol	3.61	45	198484	21.951	ppbv 96
15) Acetone	3.85	43	639590	5.098	ppbv 98
16) 1,3-Butadiene	3.32	39	2109	0.024	ppbv # 61
17) tert-Butyl alcohol	4.31	59	4329	0.040	ppbv # 72
19) Isopropyl Alcohol	3.98	45	30849	0.447	ppbv # 1
20) Methylene Chloride	4.34	84	768307	13.079	ppbv 94
23) Vinyl Acetate	5.08	43	13990	0.065	ppbv # 73
25) Ethyl Acetate	5.68	43	1046438	3.508	ppbv # 78
26) Hexane	5.68	57	1431533	10.341	ppbv # 47
30) Cyclohexane	7.13	84	3743	0.033	ppbv # 1
34) 2-Butanone	5.25	43	21534	0.138	ppbv # 1
35) Carbon Tetrachloride	7.02	117	5308	0.022	ppbv 95
36) Benzene	6.89	78	15159	0.052	ppbv 95
39) 1,2-Dichloropropane	7.18	63	849996	7.130	ppbv # 23
41) Tetrahydrofuran	5.74	42	5841	0.081	ppbv # 46
50) 4-Methyl-2-Pentanone	8.75	43	7531	0.033	ppbv # 40
51) 2-Hexanone	10.15	43	2712	0.024	ppbv # 1
52) Tetrachloroethene	11.22	164	3694	0.034	ppbv # 10
53) Toluene	9.81	91	828545	2.647	ppbv 100
59) m/p-Xylene	12.99	91	11491	0.031	ppbv # 32
60) o-Xylene	13.70	91	27597	0.078	ppbv # 66
62) Isopropylbenzene	14.67	105	32728	0.069	ppbv # 89
64) n-propylbenzene	15.56	120	3322	0.029	ppbv # 1
72) 4-Ethyltoluene	15.84	105	158075	0.409	ppbv 97
73) 1,3,5-Trimethylbenzene	16.00	105	155242	0.430	ppbv 91
74) 1,2,4-Trimethylbenzene	16.76	105	281574	0.729	ppbv # 69
76) 1,4-Dichlorobenzene	17.14	146	4566	0.021	ppbv # 1

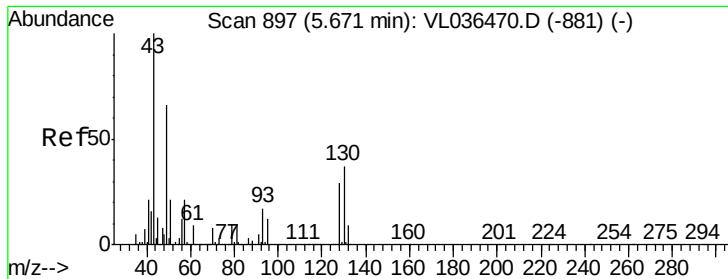
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

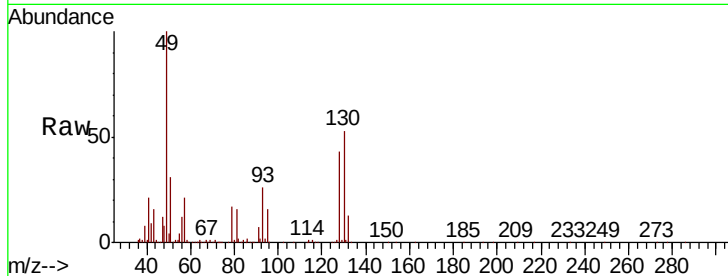
Tot Ion: 49 Resp: 1274784

Ion Ratio Lower Upper

49 100

128 45.3 23.5 70.6

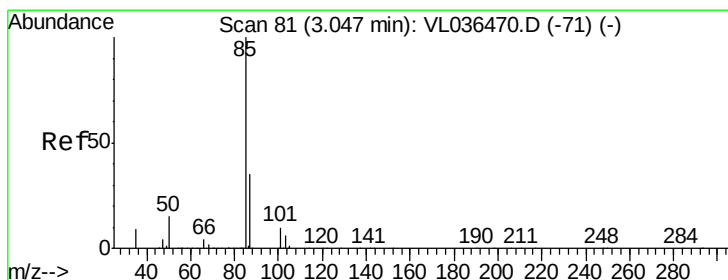
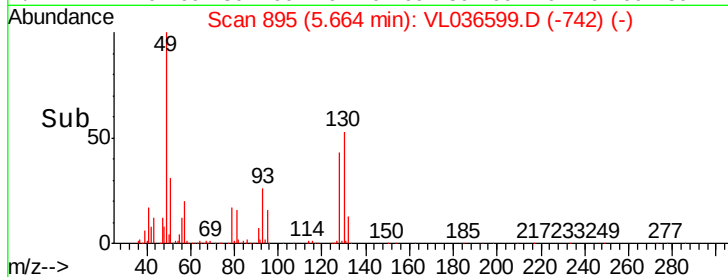
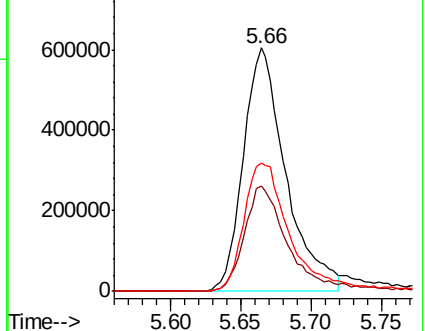
130 59.3 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.250 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036599.D

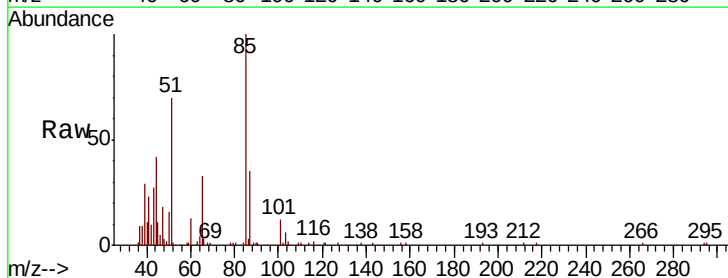
Acq: 31 Mar 2021 13:04

Tgt Ion: 85 Resp: 51927

Ion Ratio Lower Upper

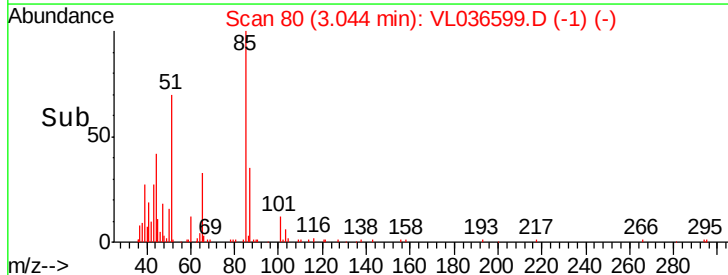
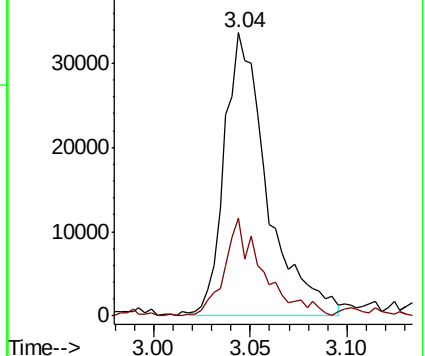
85 100

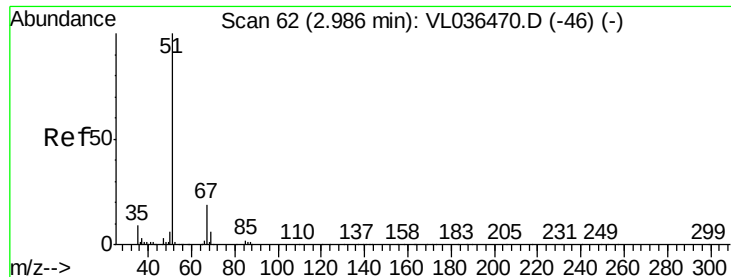
87 34.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

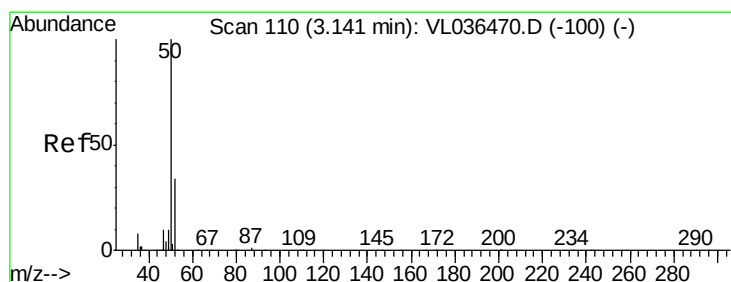
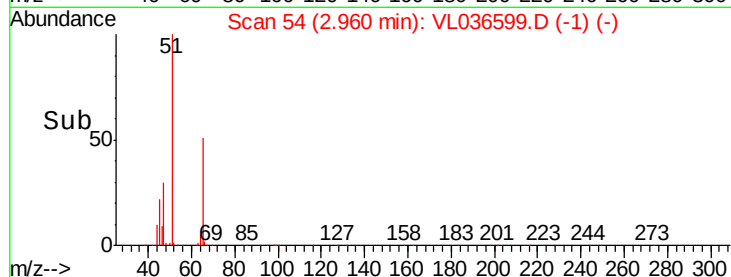
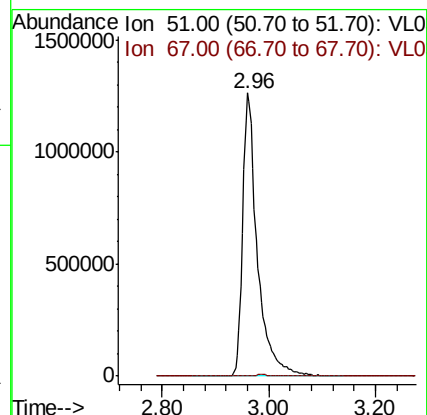
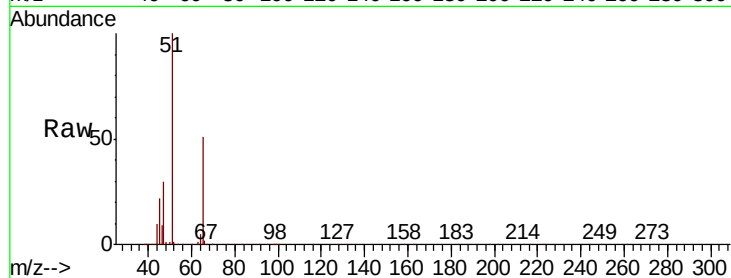




#3
Chlorodifluoromethane
Concen: 10.099 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

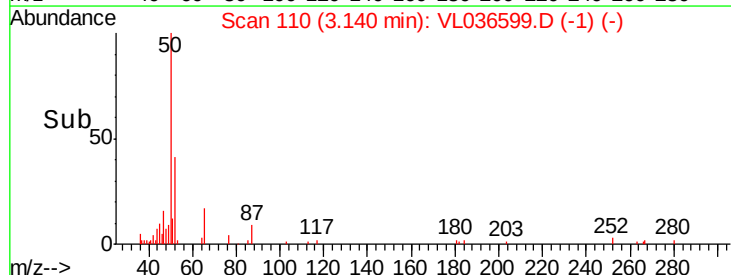
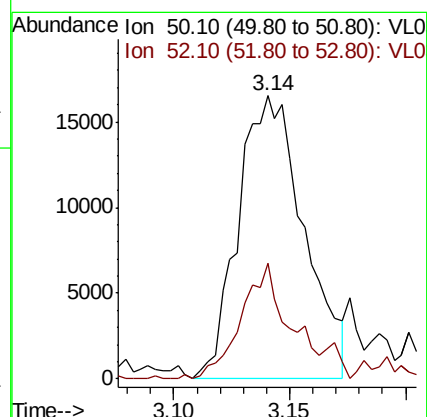
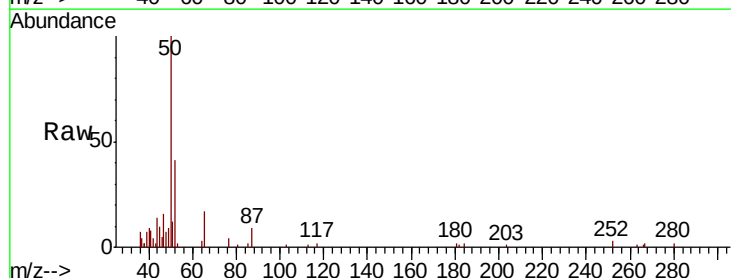
Instrument :
MSVOA_L
ClientSampleId :

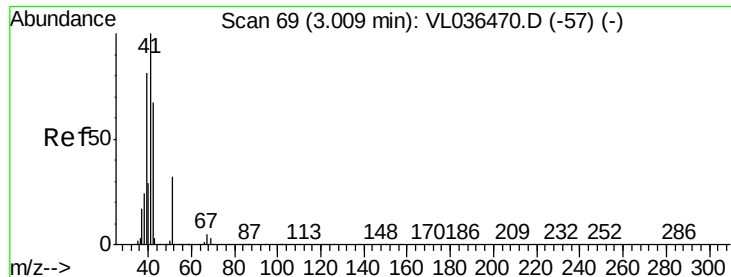
Tot Ion: 51 Resp: 2405351
Ion Ratio Lower Upper
51 100
67 0.5 14.7 22.1#



#4
Chloromethane
Concen: 0.386 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 50 Resp: 32503
Ion Ratio Lower Upper
50 100
52 40.9 27.0 40.6#





#9

Propene

Concen: 0.835 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

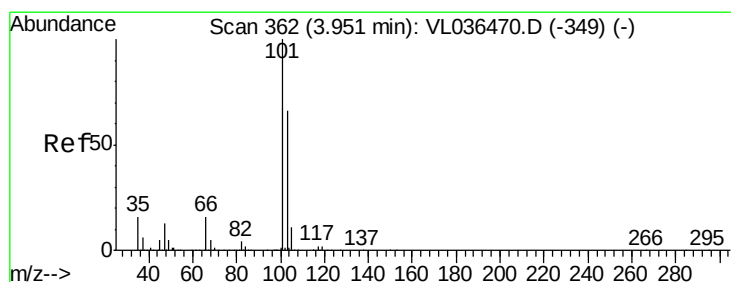
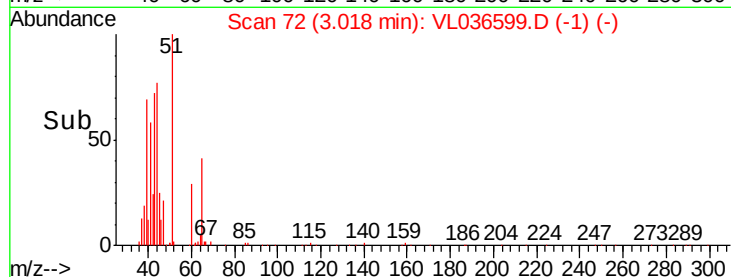
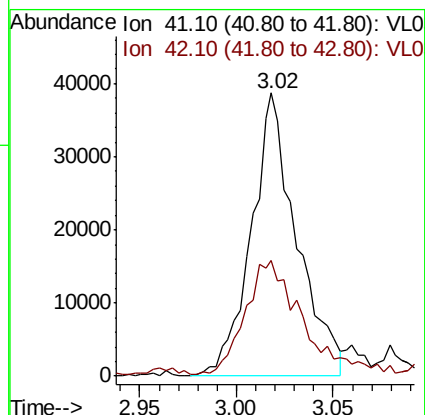
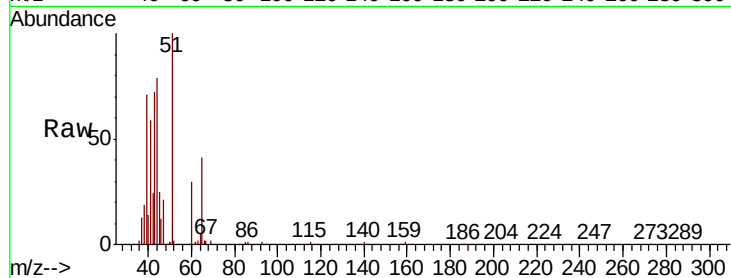
ClientSampleId :

Tot Ion: 41 Resp: 63437

Ion Ratio Lower Upper

41 100

42 52.8 57.0 85.4#



#11

Trichlorofluoromethane

Concen: 0.245 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL036599.D

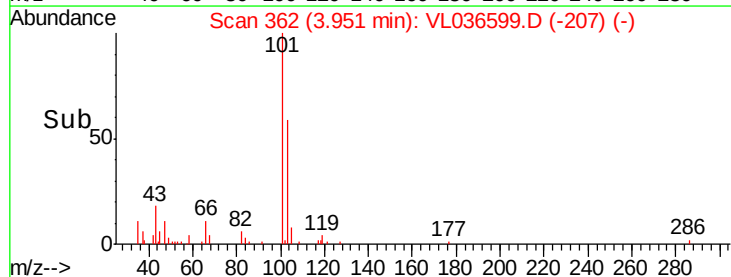
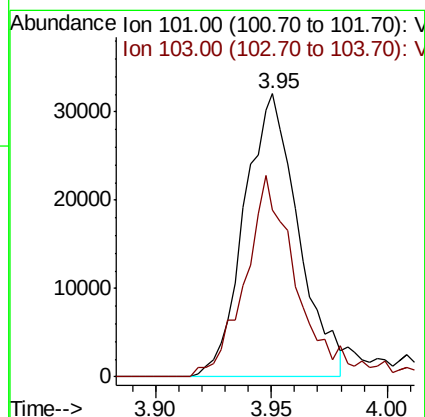
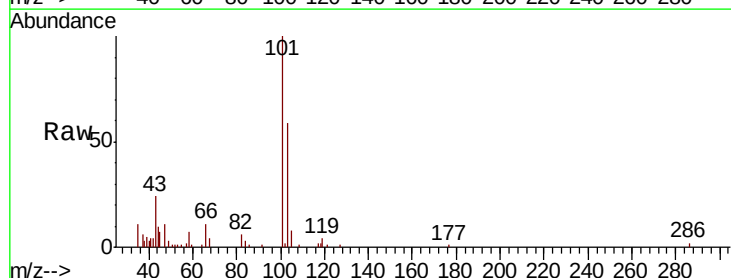
Acq: 31 Mar 2021 13:04

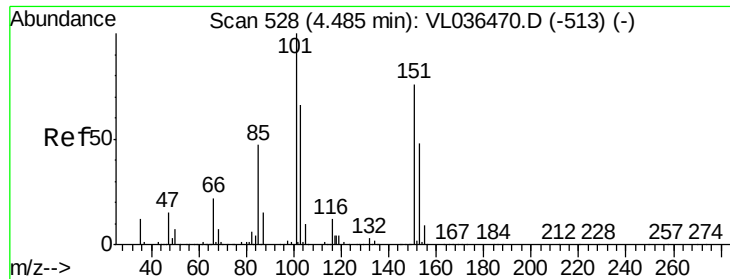
Tgt Ion: 101 Resp: 51868

Ion Ratio Lower Upper

101 100

103 59.2 52.5 78.7

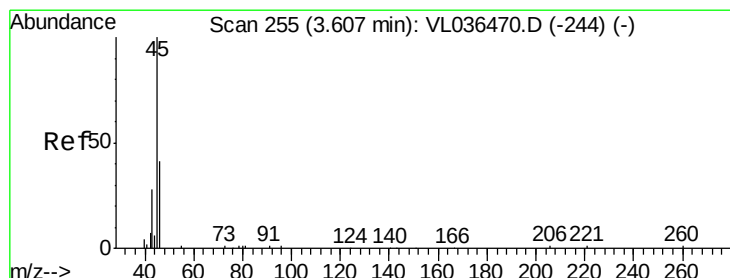
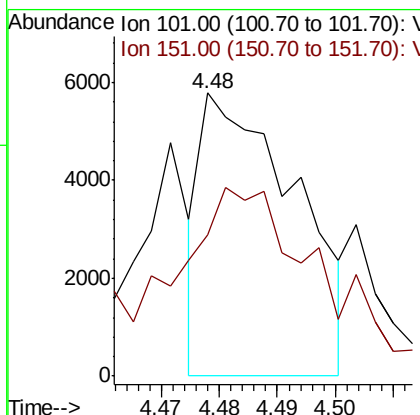
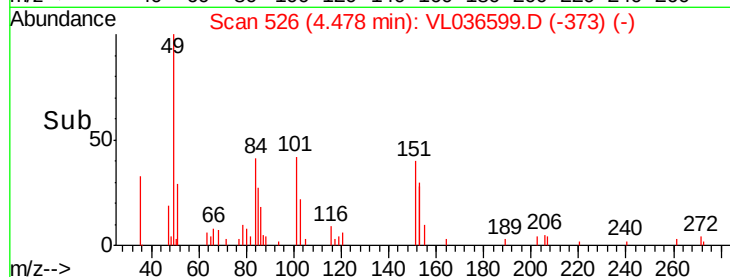
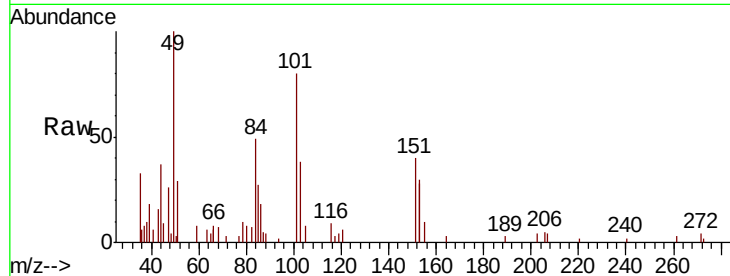




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL036599.D
 Acq: 31 Mar 2021 13:04

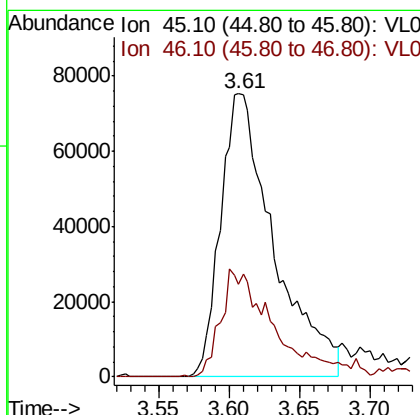
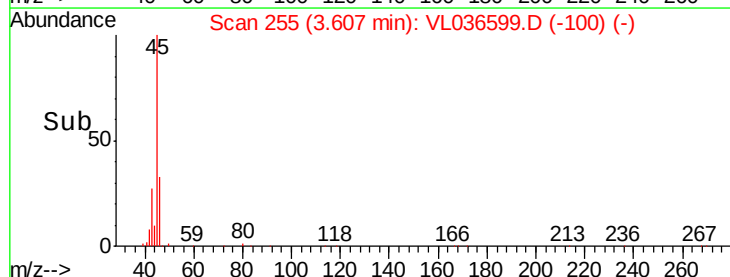
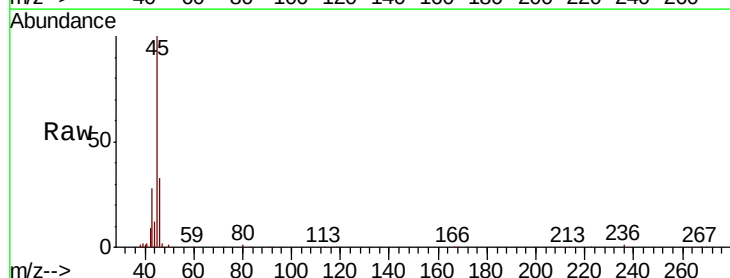
Instrument :
 MSVOA_L
 ClientSampleId :

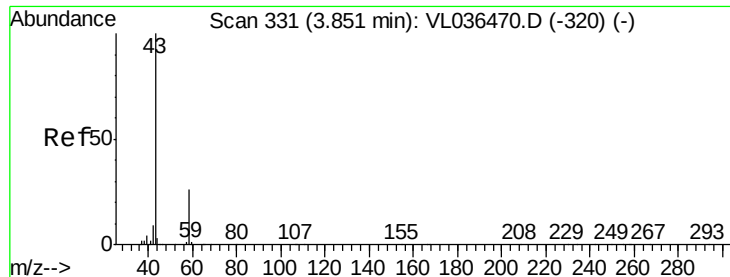
Tot Ion:101 Resp: 6583
 Ion Ratio Lower Upper
 101 100
 151 119.0 60.9 91.3#



#13
 Ethanol
 Concen: 21.951 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VL036599.D
 Acq: 31 Mar 2021 13:04

Tgt Ion: 45 Resp: 198484
 Ion Ratio Lower Upper
 45 100
 46 39.0 16.6 66.2





#15

Acetone

Concen: 5.098 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

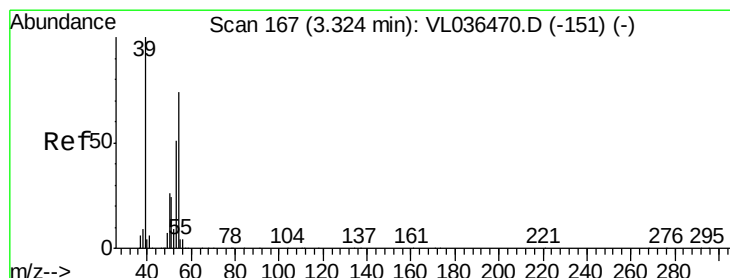
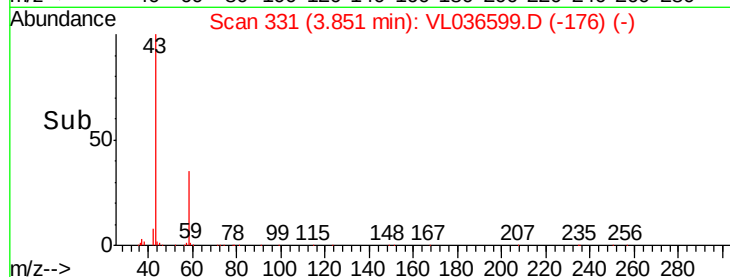
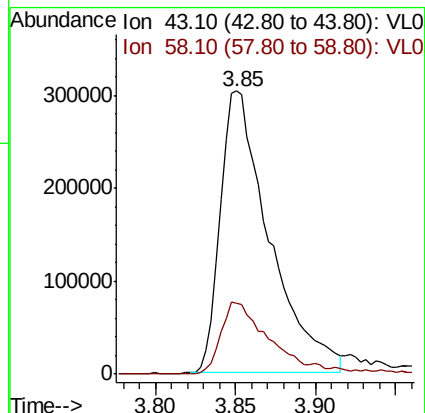
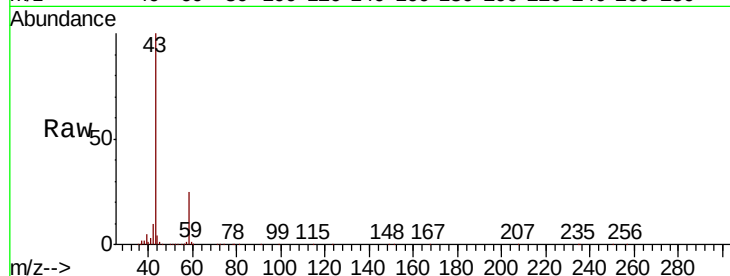
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 639590

Ion Ratio Lower Upper

43 100

58 27.8 21.2 31.8



#16

1,3-Butadiene

Concen: 0.024 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036599.D

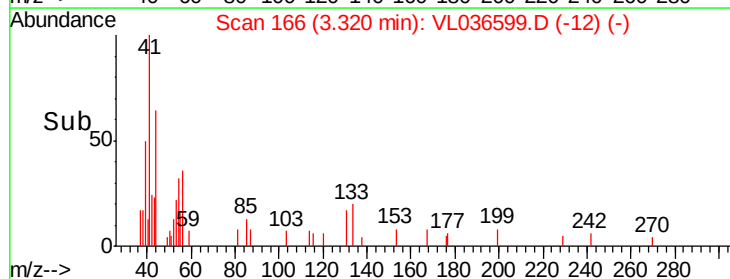
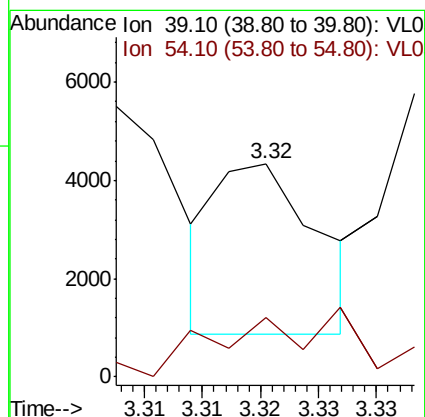
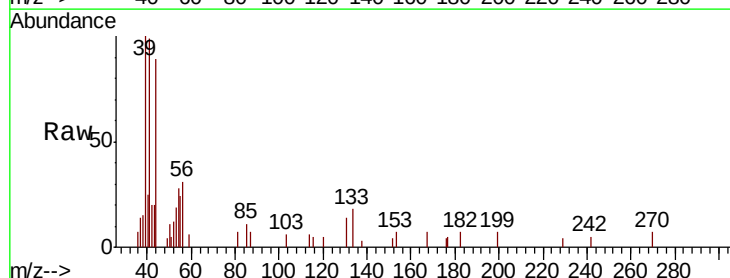
Acq: 31 Mar 2021 13:04

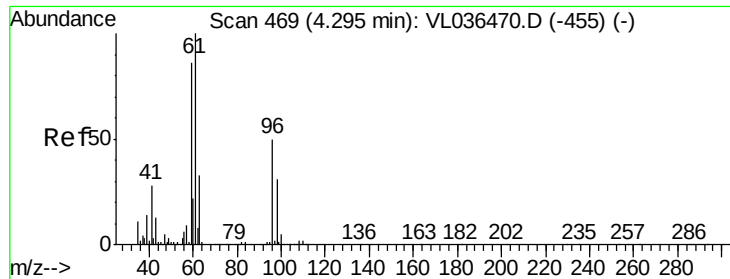
Tgt Ion: 39 Resp: 2109

Ion Ratio Lower Upper

39 100

54 40.4 58.8 88.2#



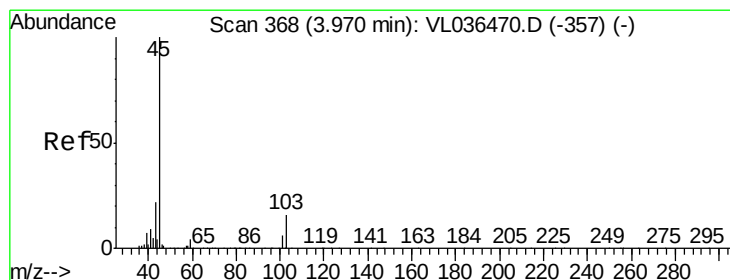
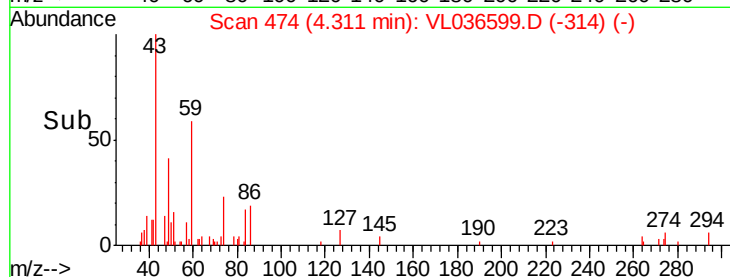
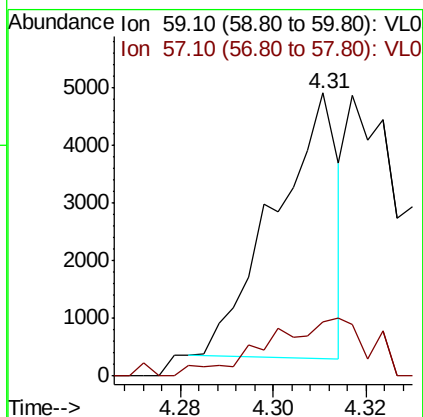
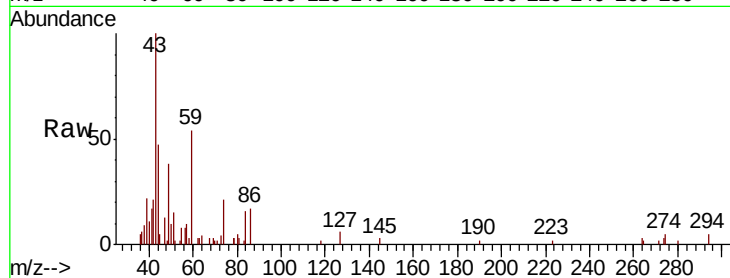


#17

tert-Butyl alcohol
Concen: 0.040 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Instrument :
MSVOA_L
ClientSampled :

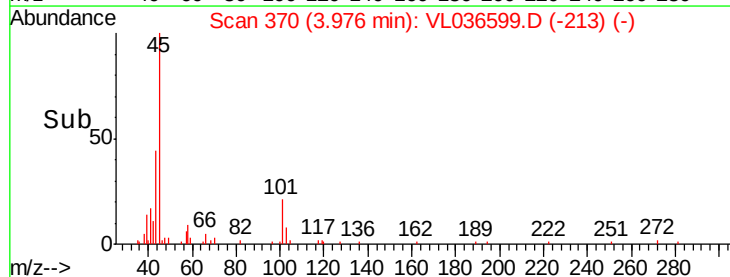
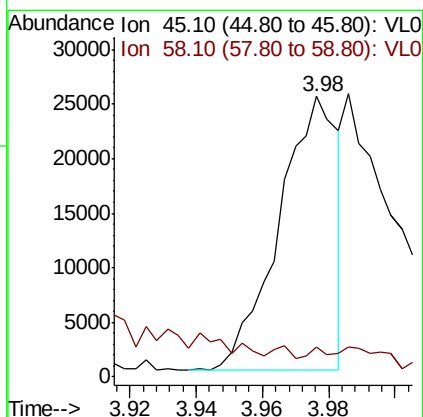
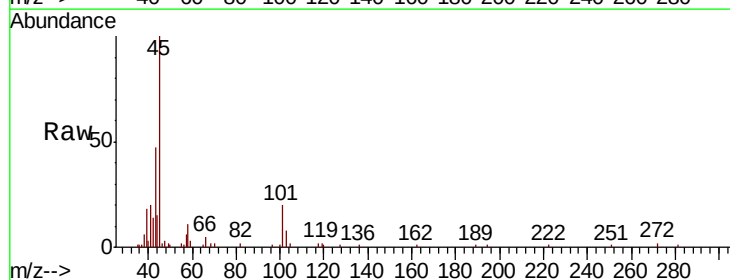
Tot Ion: 59 Resp: 4329
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

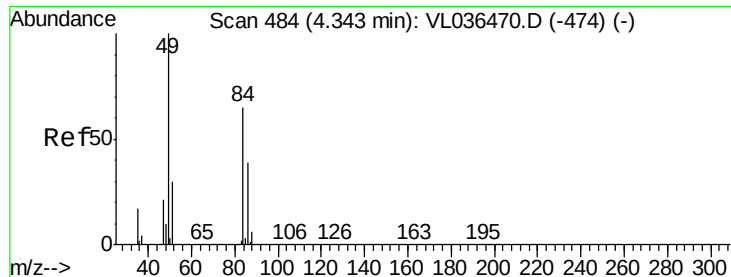


#19

Isopropyl Alcohol
Concen: 0.447 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 45 Resp: 30849
Ion Ratio Lower Upper
45 100
58 38.9 2.9 4.3#

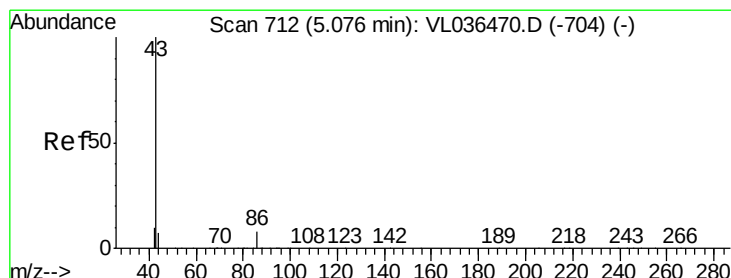
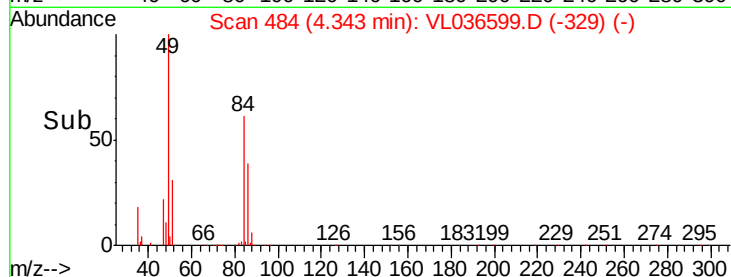
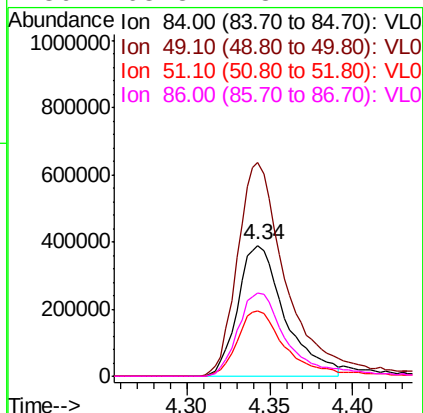
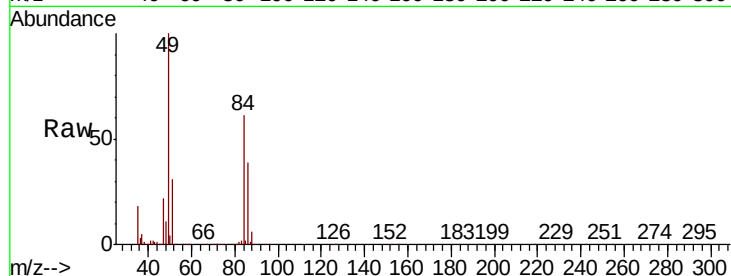




#20
Methylene Chloride
Concen: 13.079 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

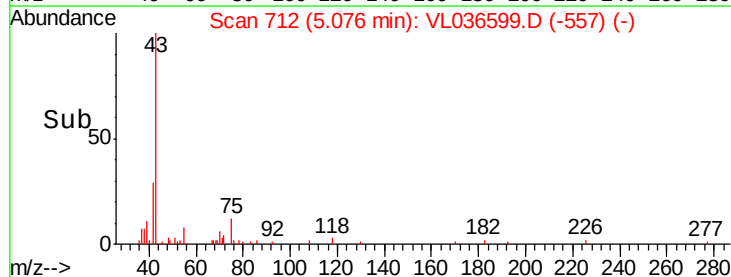
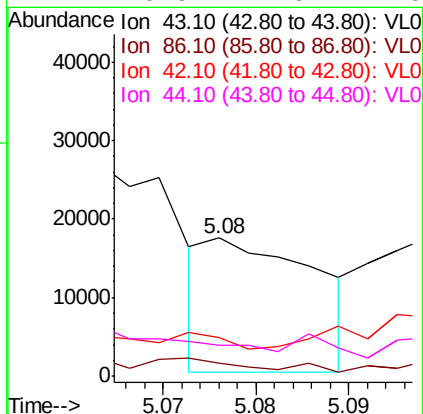
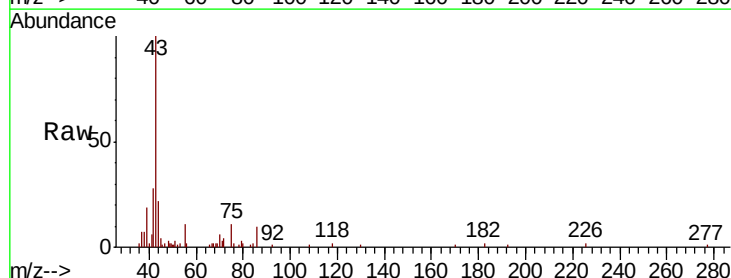
Instrument :
MSVOA_L
ClientSampled :

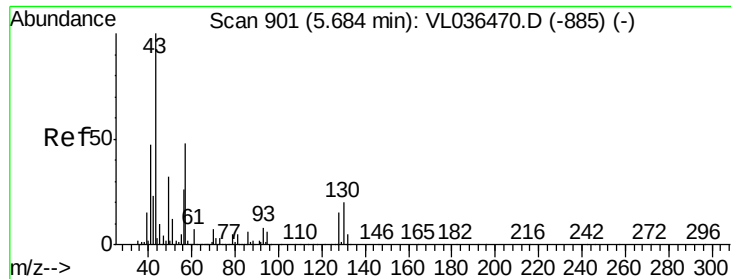
Tot Ion:	84	Resp:	768307
Ion	Ratio	Lower	Upper
84	100		
49	162.8	122.9	184.3
51	49.7	36.9	55.3
86	63.3	48.2	72.4



#23
Vinyl Acetate
Concen: 0.065 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion:	43	Resp:	13990
Ion	Ratio	Lower	Upper
43	100		
86	22.2	5.4	8.0#
42	0.0	8.5	12.7#
44	6.9	4.6	7.0

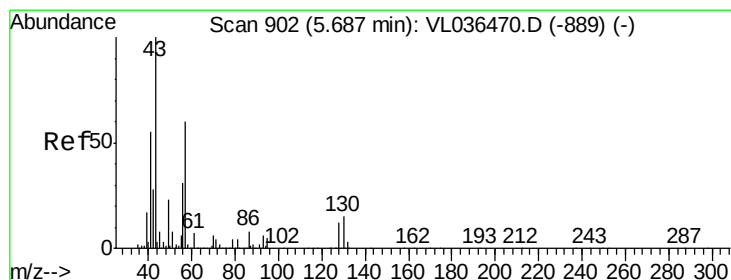
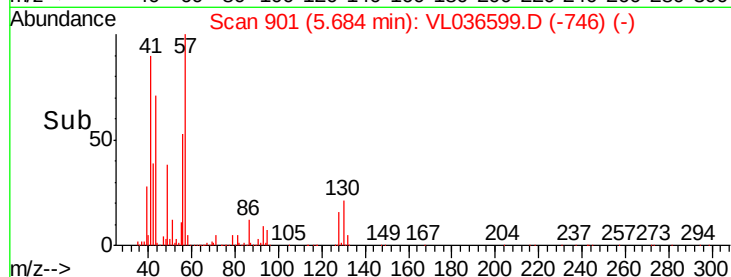
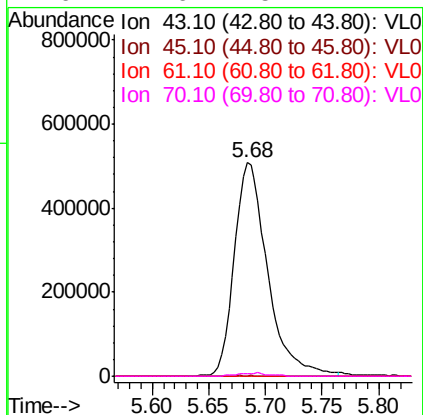
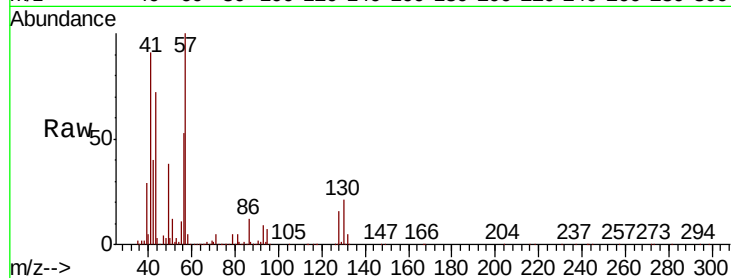




#25
Ethyl Acetate
Concen: 3.508 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

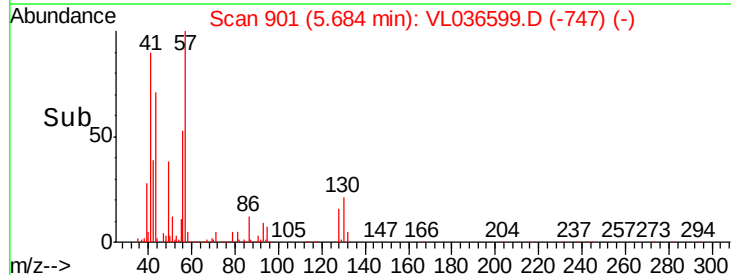
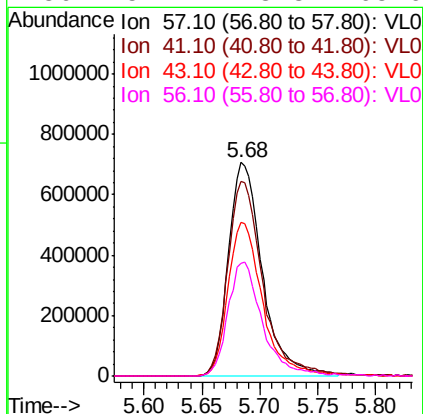
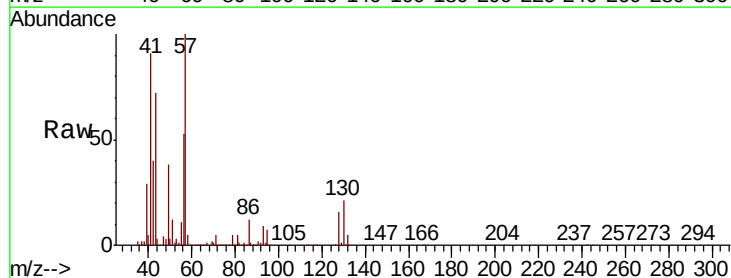
Instrument :
MSVOA_L
ClientSampleId :

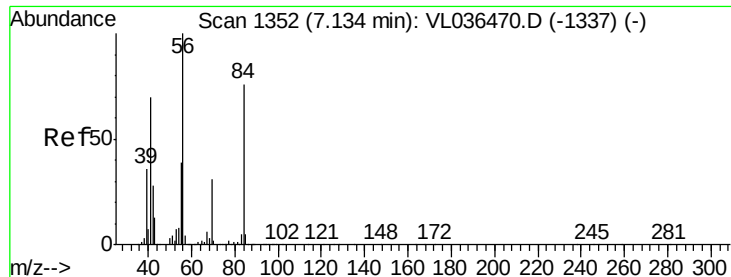
Tot Ion: 43 Resp: 1046438
Ion Ratio Lower Upper
43 100
45 0.5 7.9 11.9#
61 0.3 7.4 11.2#
70 1.6 5.1 7.7#



#26
Hexane
Concen: 10.341 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 57 Resp: 1431533
Ion Ratio Lower Upper
57 100
41 94.8 77.2 115.8
43 73.9 173.8 260.6#
56 54.7 43.8 65.6

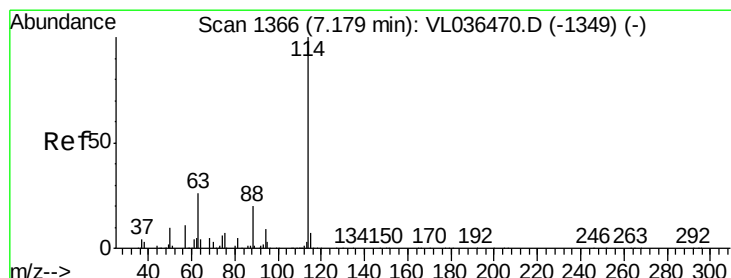
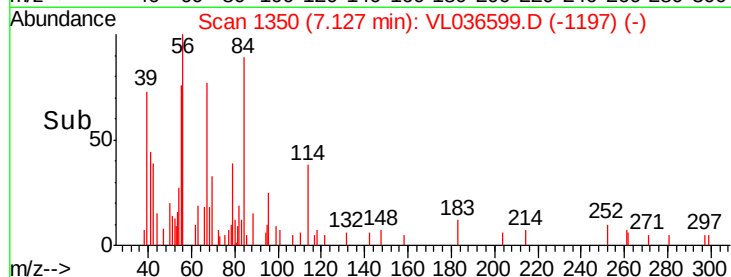
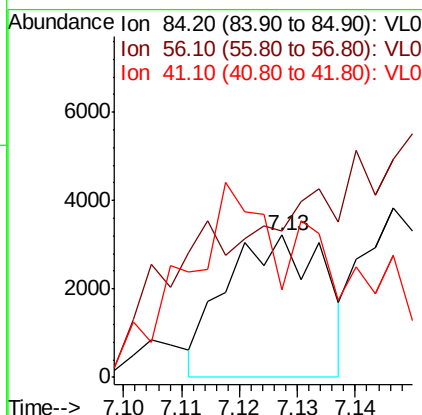
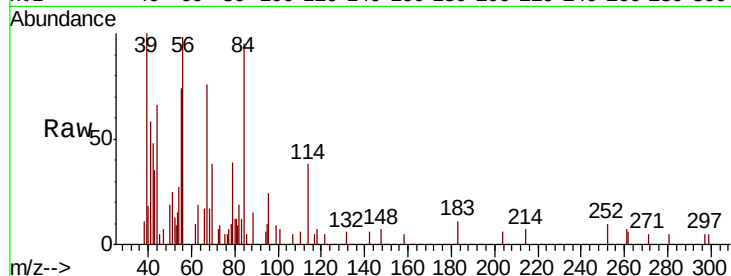




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

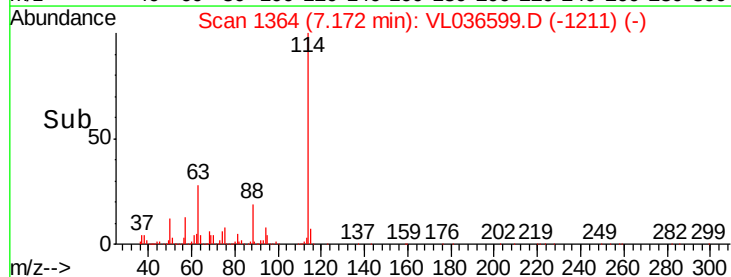
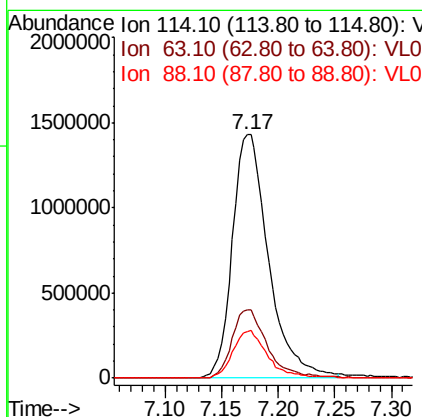
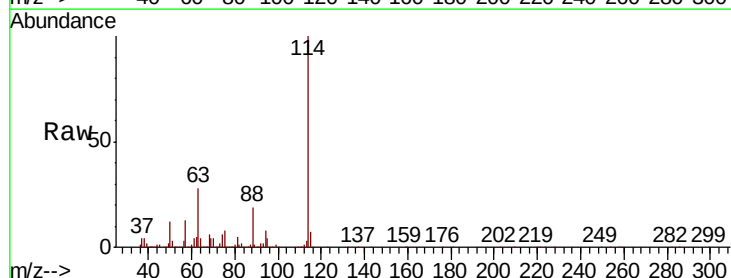
Instrument :
MSVOA_L
ClientSampleId :

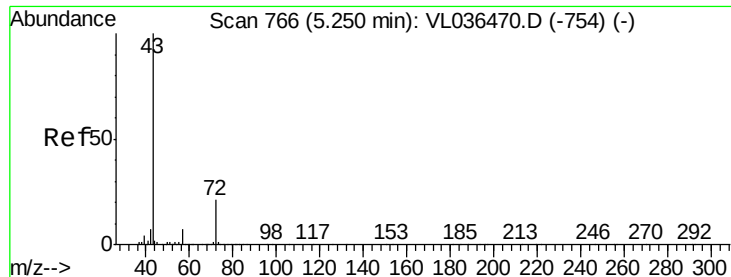
Tot Ion: 84 Resp: 3743
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 300.1 75.3 112.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 114 Resp: 3186637
Ion Ratio Lower Upper
114 100
63 27.9 22.4 33.6
88 19.1 15.4 23.0

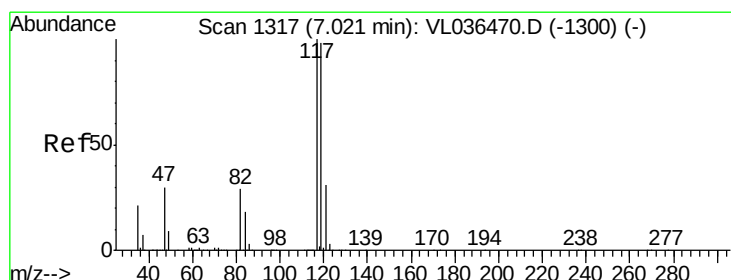
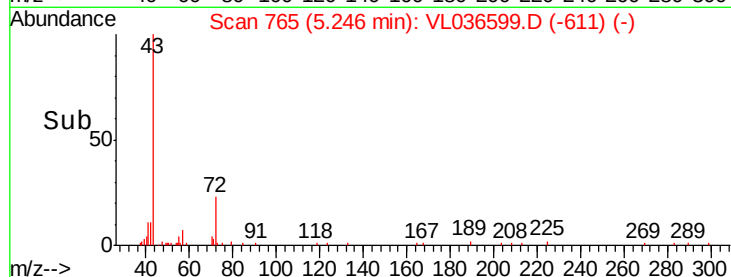
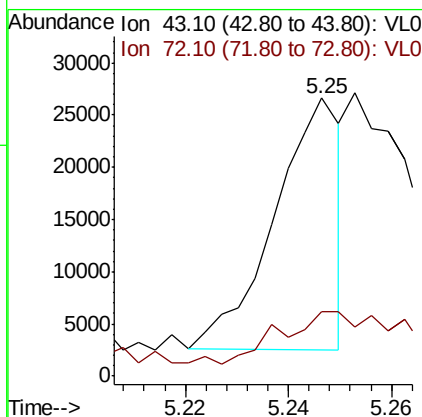
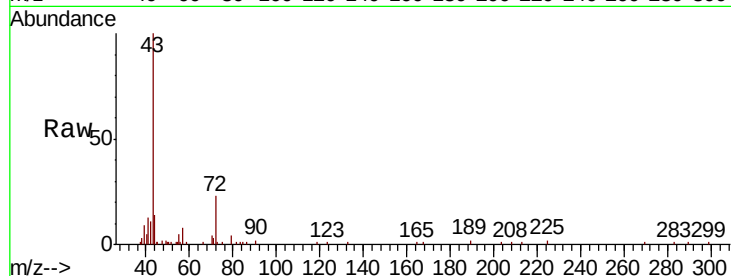




#34
2-Butanone
Concen: 0.138 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

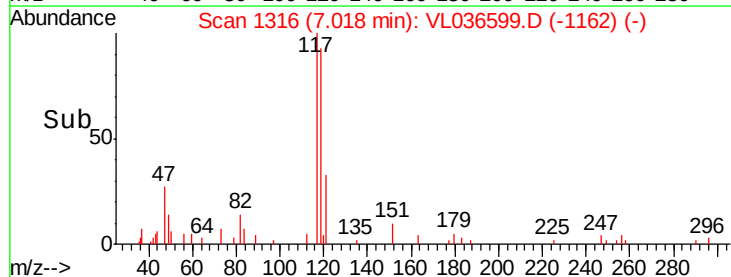
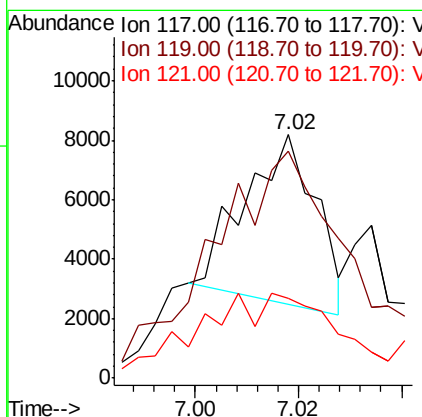
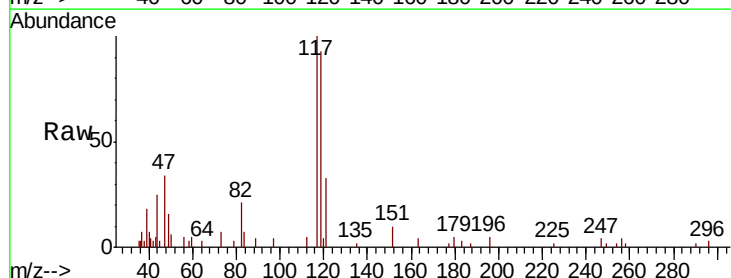
Instrument :
MSVOA_L
ClientSampleId :

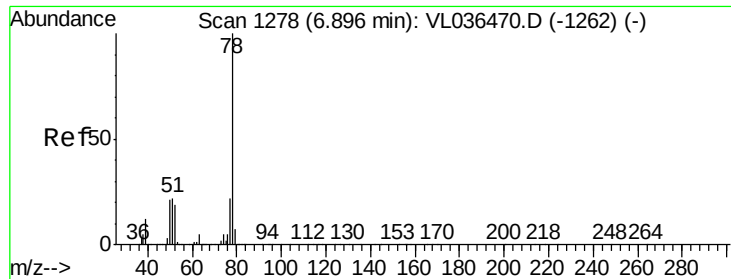
Tot Ion: 43 Resp: 21534
Ion Ratio Lower Upper
43 100
72 71.1 17.0 25.6#



#35
Carbon Tetrachloride
Concen: 0.022 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 117 Resp: 5308
Ion Ratio Lower Upper
117 100
119 102.2 78.2 117.2
121 33.4 24.5 36.7

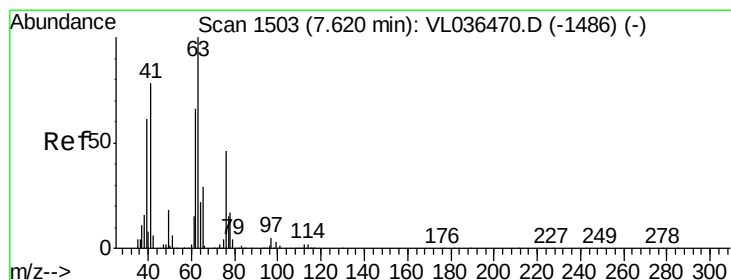
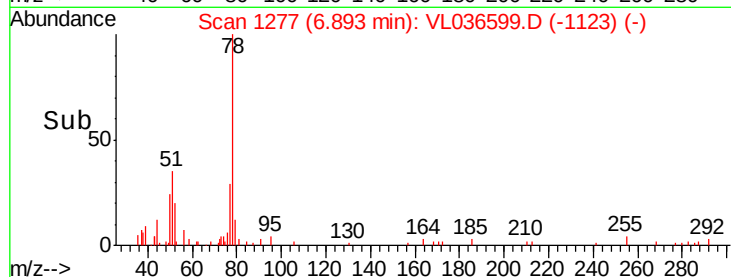
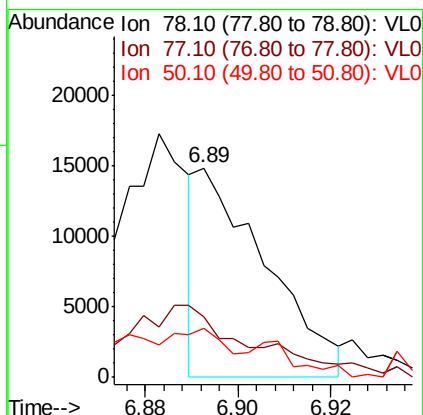
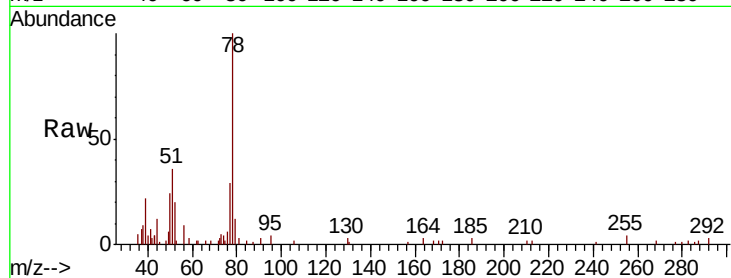




#36
Benzene
Concen: 0.052 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

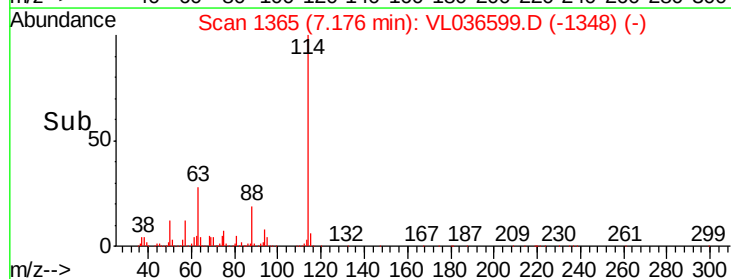
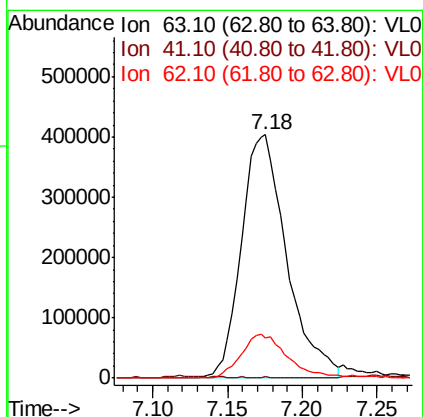
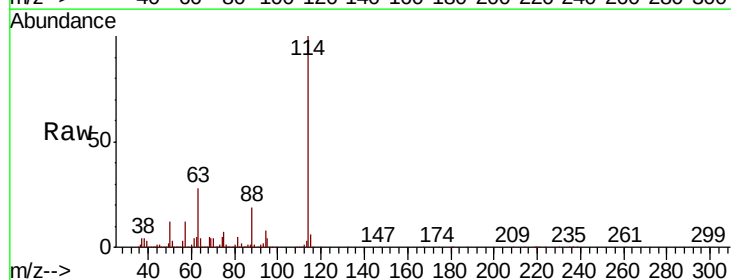
Instrument :
MSVOA_L
ClientSampleId :

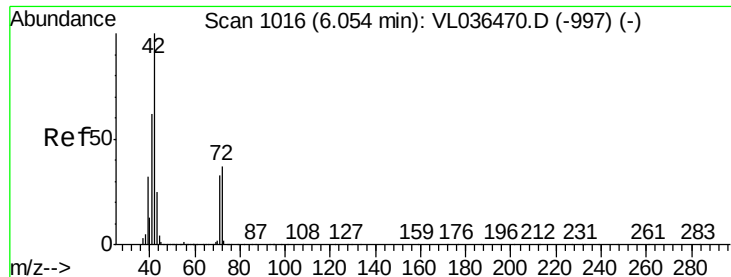
Tot Ion: 78 Resp: 15159
Ion Ratio Lower Upper
78 100
77 26.2 18.0 27.0
50 21.5 16.5 24.7



#39
1,2-Dichloropropane
Concen: 7.130 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.44 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 63 Resp: 849996
Ion Ratio Lower Upper
63 100
41 0.1 62.4 93.6#
62 16.6 52.8 79.2#





#41

Tetrahydrofuran

Concen: 0.081 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.32 min

Lab File: VL036599.D

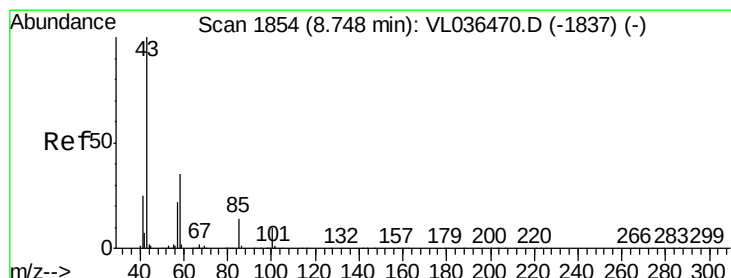
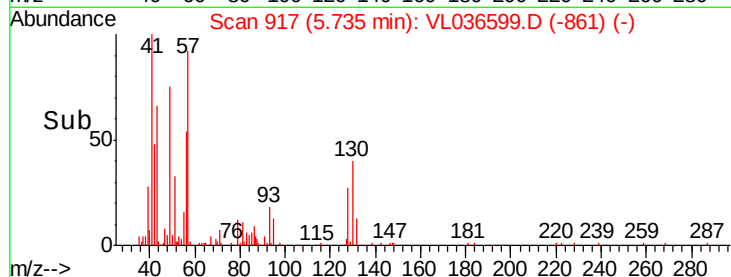
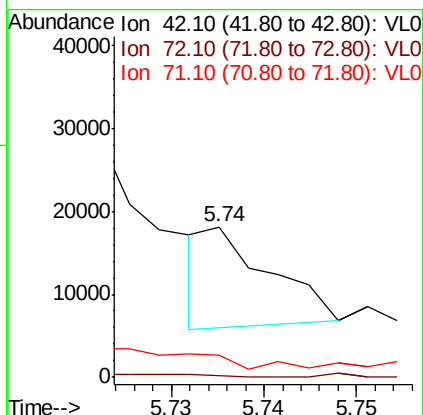
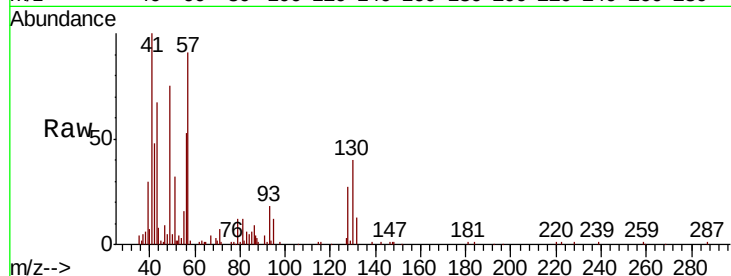
Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	42	Resp:	5841
Ion	Ratio	Lower	Upper
42	100		
72	6.7	27.6	41.4#
71	0.0	27.0	40.4#



#50

4-Methyl-2-Pentanone

Concen: 0.033 ppbv

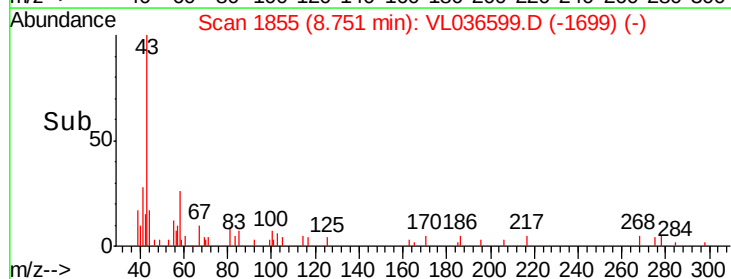
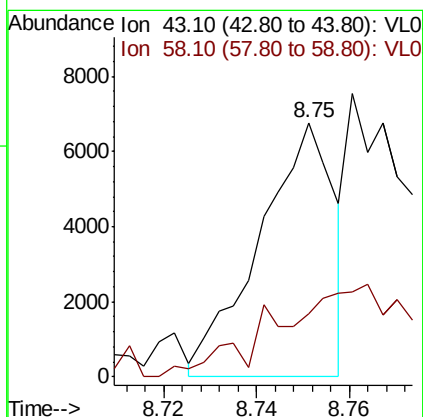
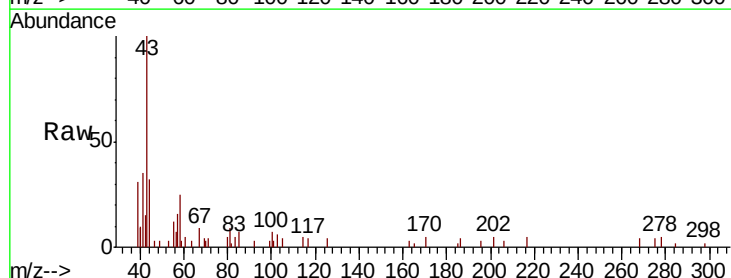
RT: 8.75 min Scan# 1855

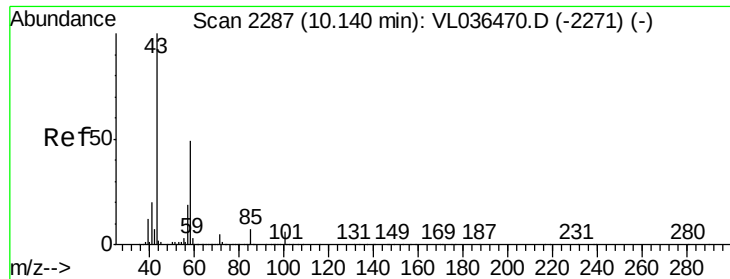
Delta R.T. 0.00 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Tgt Ion:	43	Resp:	7531
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#

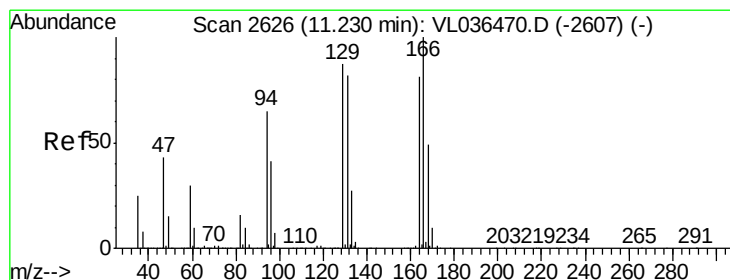
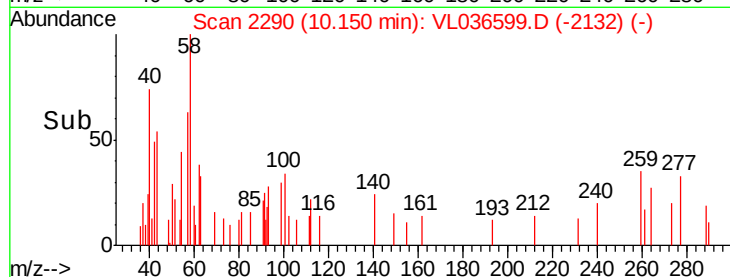
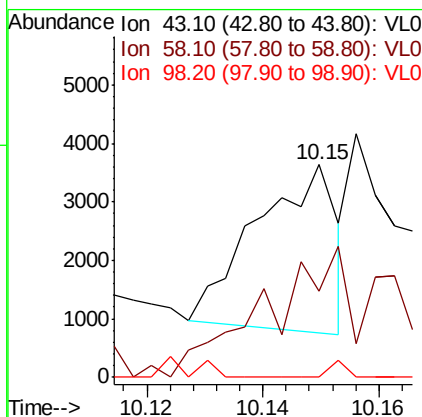
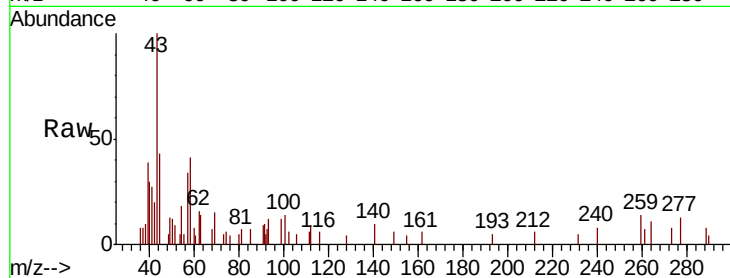




#51
 2-Hexanone
 Concen: 0.024 ppbv
 RT: 10.15 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: VL036599.D
 Acq: 31 Mar 2021 13:04

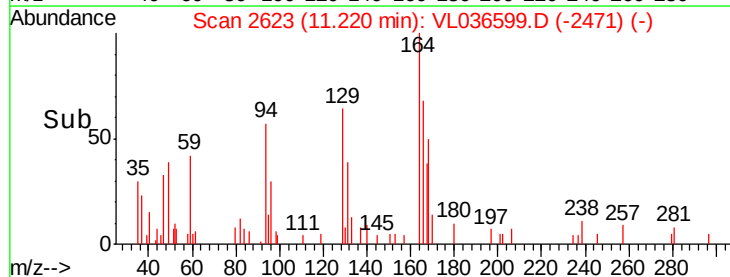
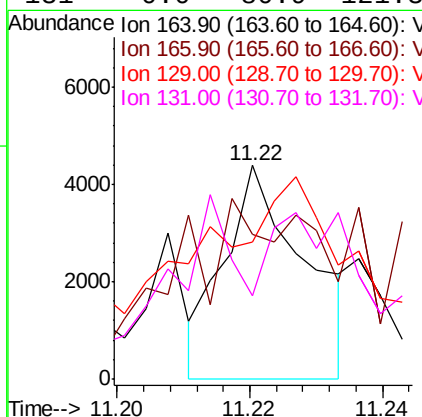
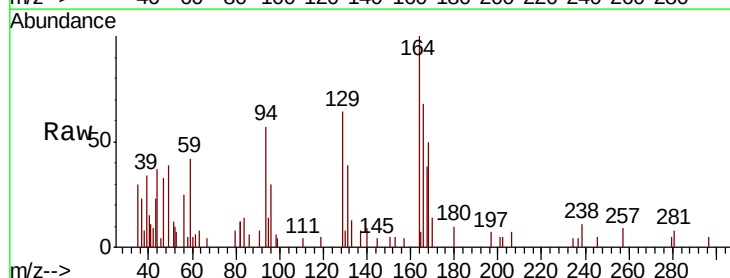
Instrument :
 MSVOA_L
 ClientSampleID :

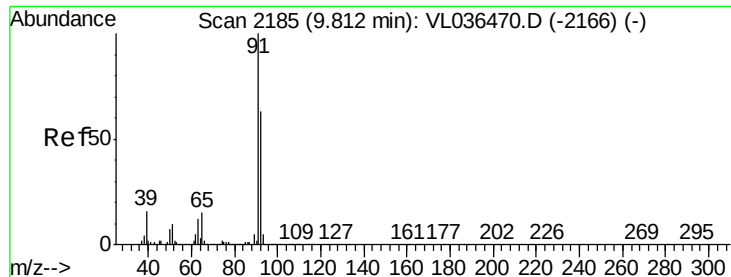
Tot Ion: 43 Resp: 2712
 Ion Ratio Lower Upper
 43 100
 58 194.2 37.7 56.5#
 98 7.6 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 0.034 ppbv
 RT: 11.22 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: VL036599.D
 Acq: 31 Mar 2021 13:04

Tgt Ion: 164 Resp: 3694
 Ion Ratio Lower Upper
 164 100
 166 31.0 98.3 147.5#
 129 14.5 85.8 128.8#
 131 0.0 80.9 121.3#

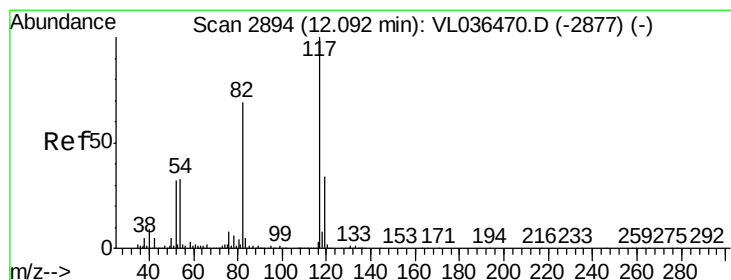
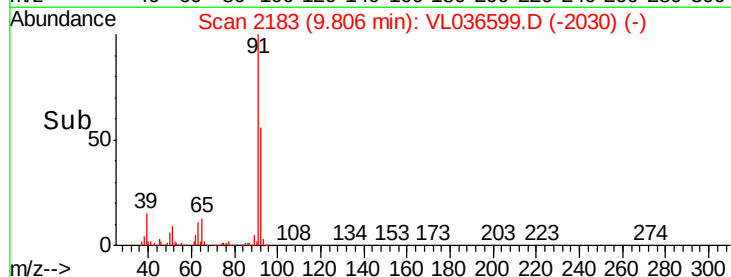
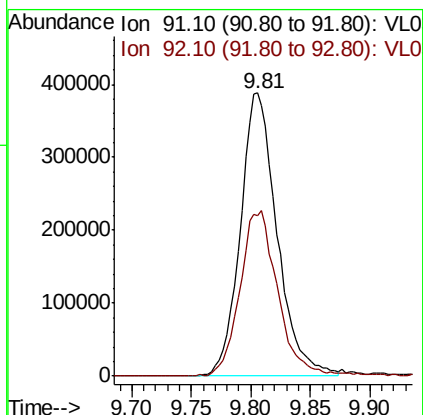
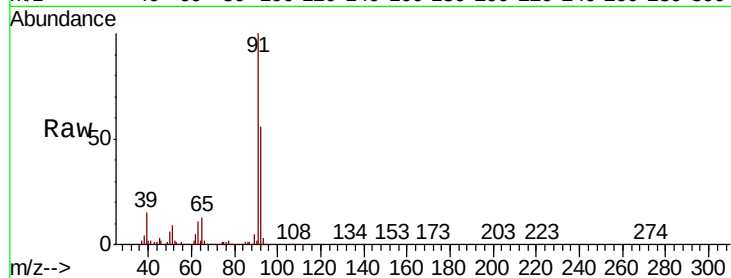




#53
Toluene
Concen: 2.647 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

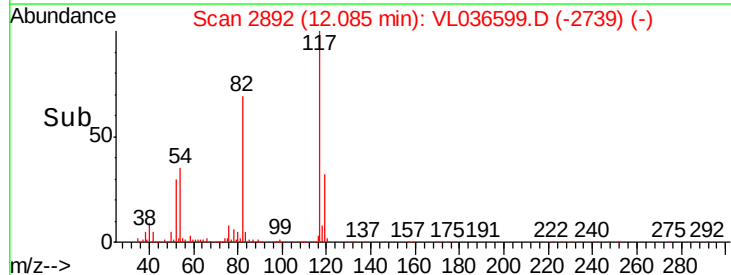
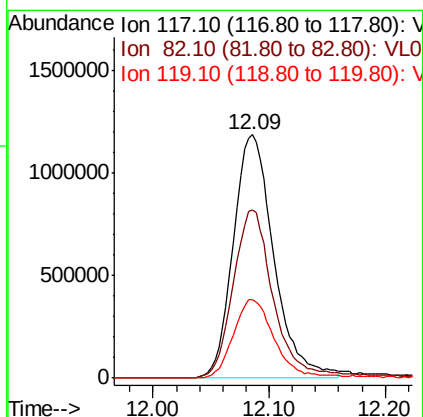
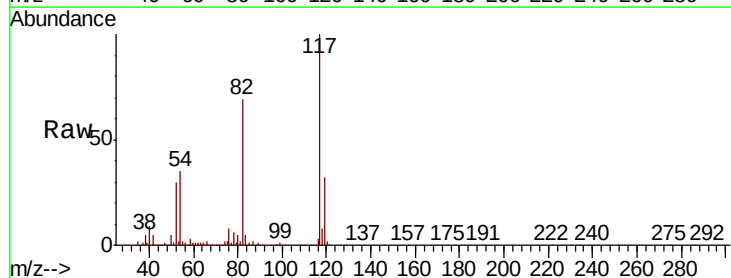
Instrument :
MSVOA_L
ClientSampleId :

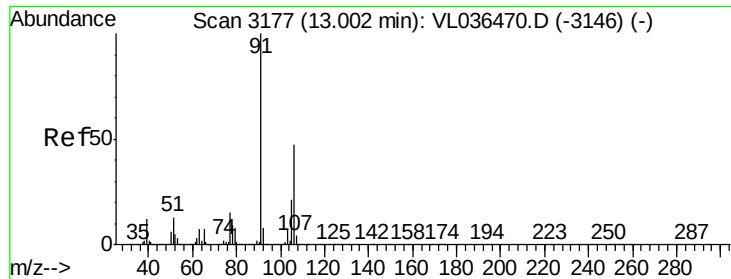
Tot Ion: 91 Resp: 828545
Ion Ratio Lower Upper
91 100
92 61.2 48.8 73.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 117 Resp: 2876206
Ion Ratio Lower Upper
117 100
82 70.1 57.4 86.0
119 33.2 47.4 71.0#

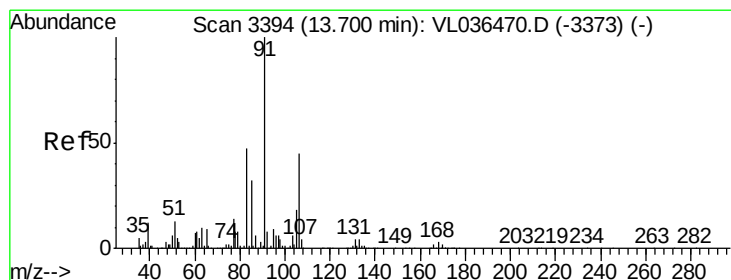
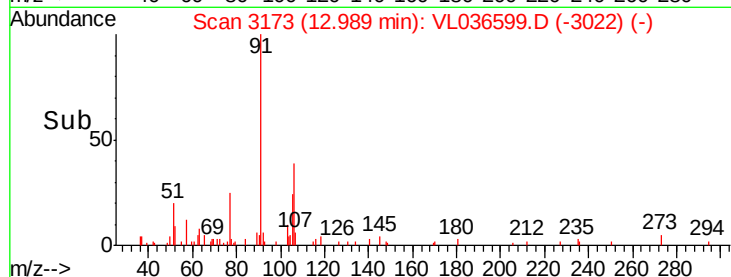
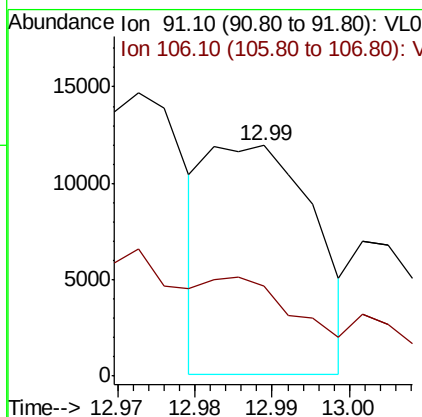
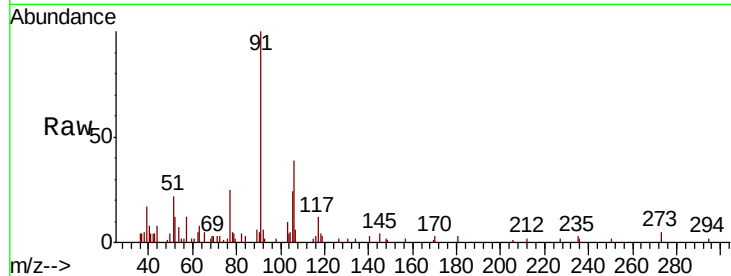




#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

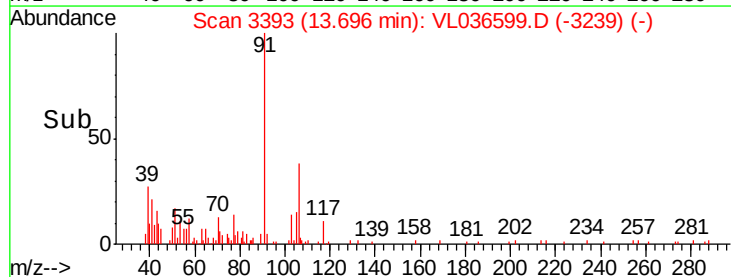
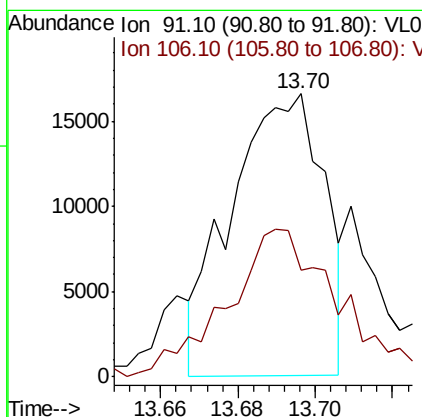
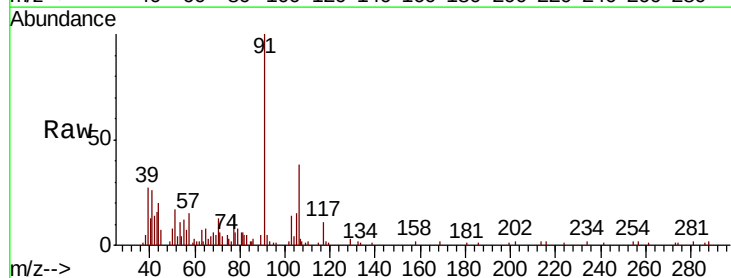
Instrument :
MSVOA_L
ClientSampled :

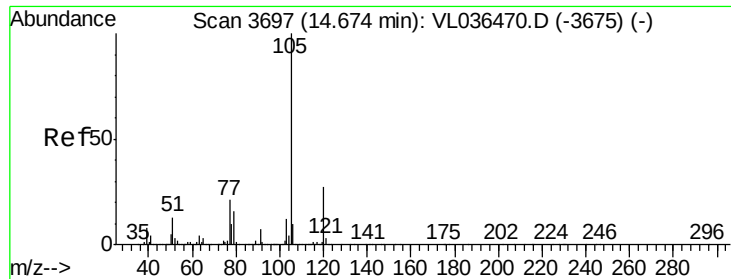
Tot Ion: 91 Resp: 11491
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#



#60
o-Xylene
Concen: 0.078 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036599.D
Acq: 31 Mar 2021 13:04

Tgt Ion: 91 Resp: 27597
Ion Ratio Lower Upper
91 100
106 67.0 22.3 66.9#





#62

Isopropylbenzene

Concen: 0.069 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

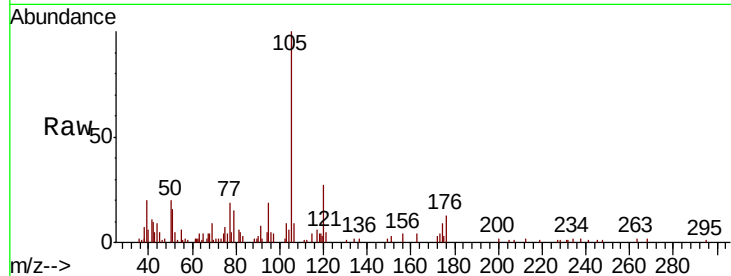
ClientSampleId :

Tot Ion:105 Resp: 32728

Ion Ratio Lower Upper

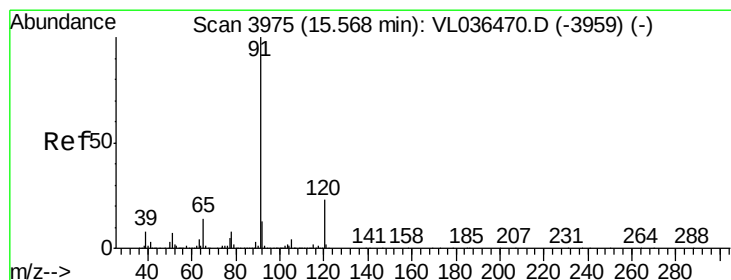
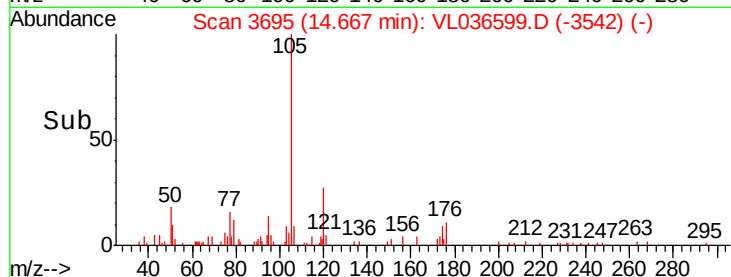
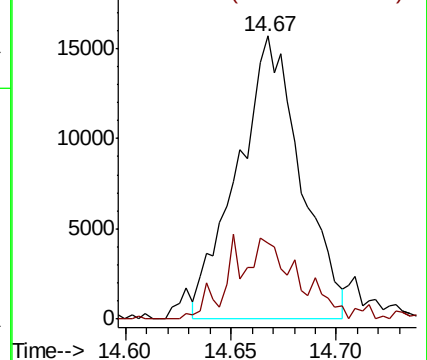
105 100

120 31.1 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.029 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL036599.D

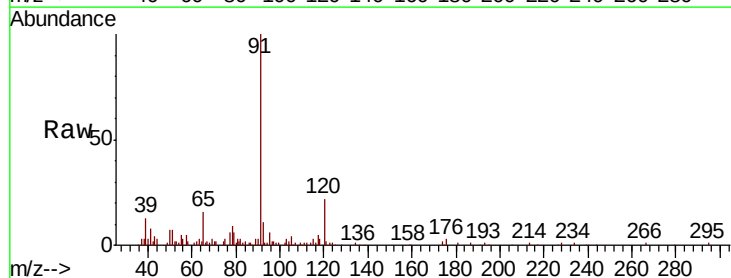
Acq: 31 Mar 2021 13:04

Tgt Ion:120 Resp: 3322

Ion Ratio Lower Upper

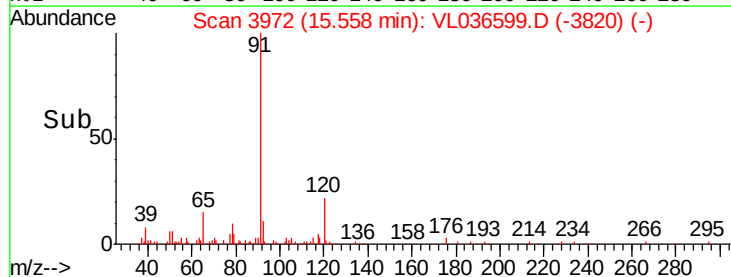
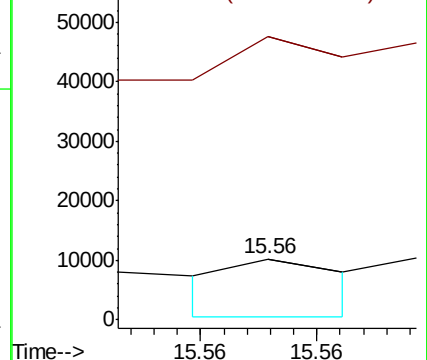
120 100

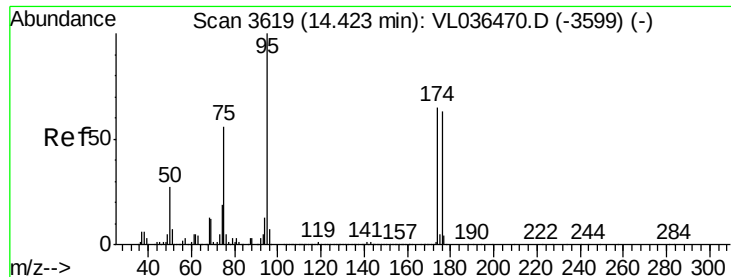
91 0.0 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.466 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampled :

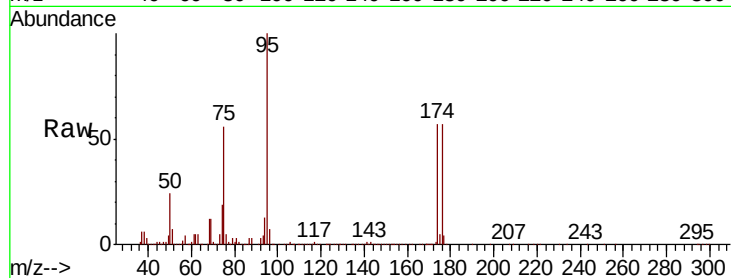
Tot Ion: 95 Resp: 2399121

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

175 4.8 3.9 5.9

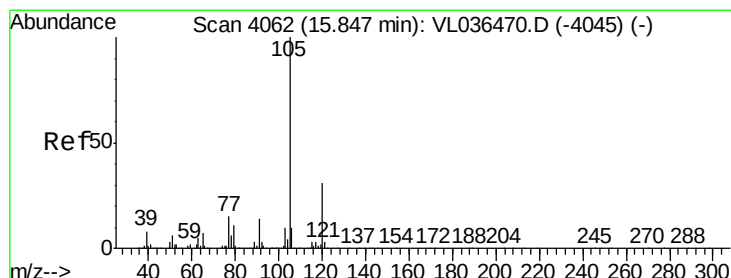
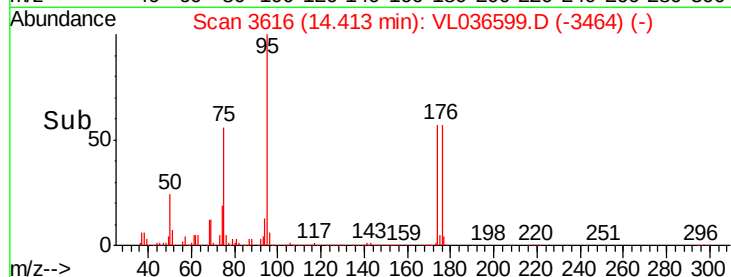
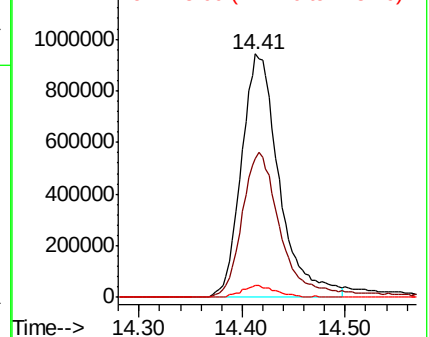


Abundance

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



#72

4-Ethyltoluene

Concen: 0.409 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Tgt Ion: 105 Resp: 158075

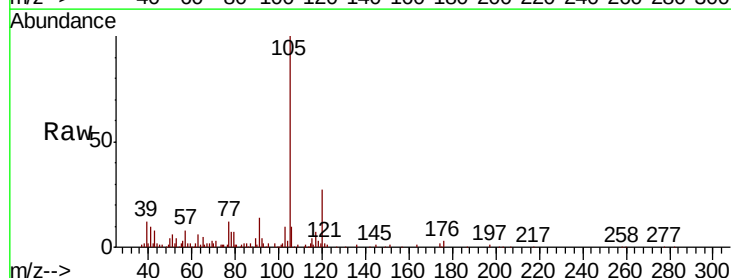
Ion Ratio Lower Upper

105 100

120 32.1 24.0 36.0

91 14.6 11.0 16.4

77 15.4 11.7 17.5



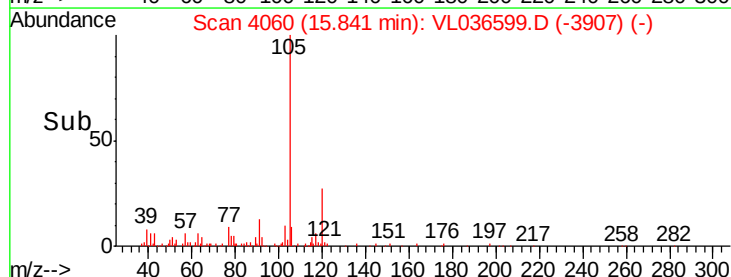
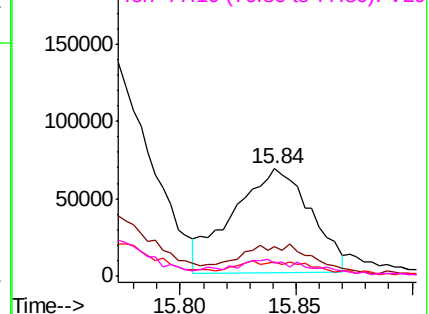
Abundance

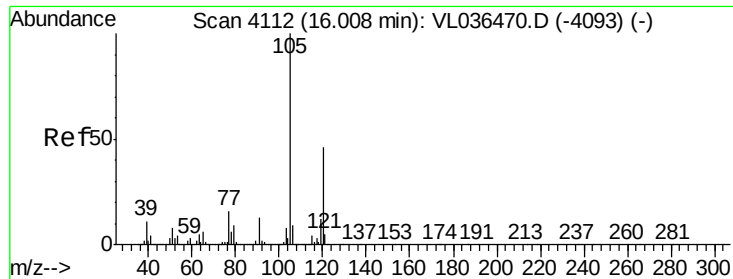
Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.430 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

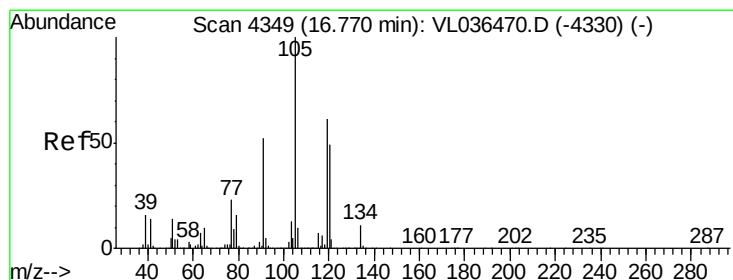
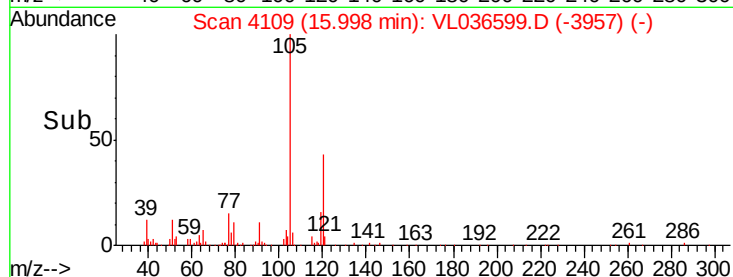
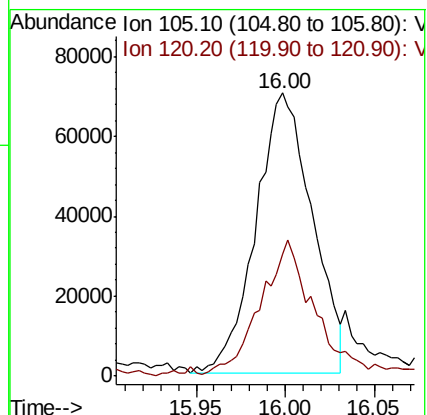
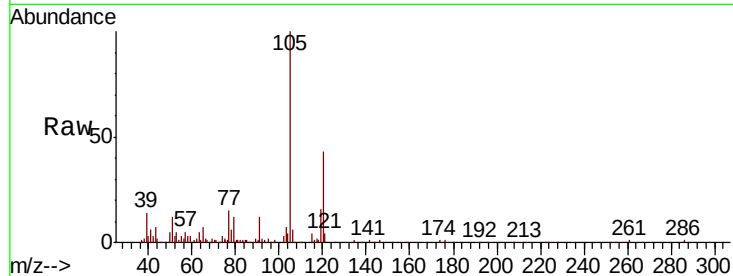
ClientSampleId :

Tot Ion:105 Resp: 155242

Ion Ratio Lower Upper

105 100

120 40.0 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 0.729 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Tgt Ion:105 Resp: 281574

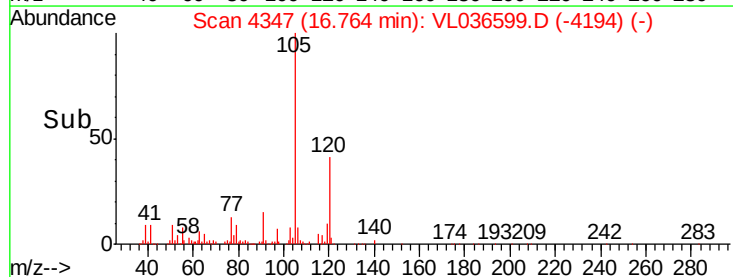
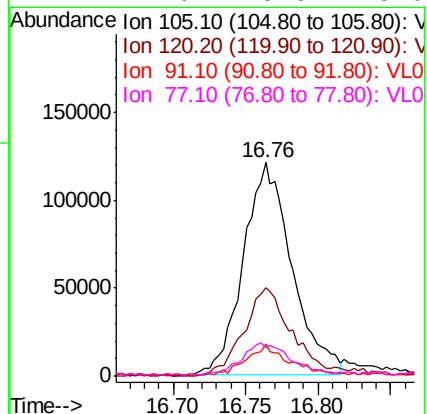
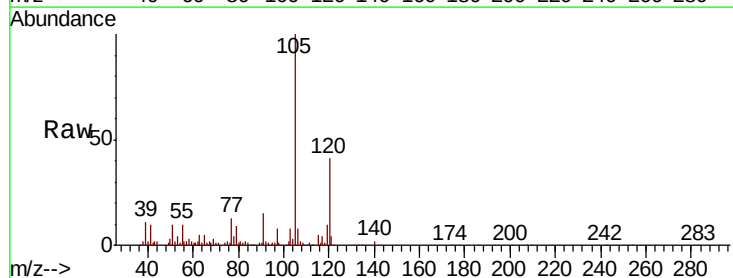
Ion Ratio Lower Upper

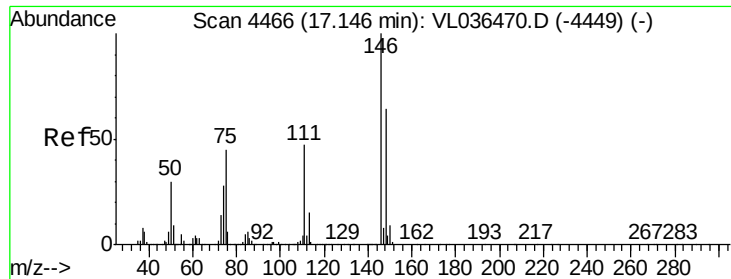
105 100

120 41.1 39.2 58.8

91 15.3 42.6 64.0#

77 12.0 18.6 28.0#





#76

1,4-Dichlorobenzene

Concen: 0.021 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL036599.D

Acq: 31 Mar 2021 13:04

Instrument :

MSVOA_L

ClientSampleId :

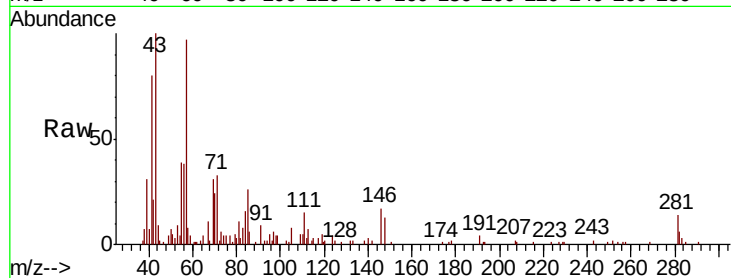
Tot Ion:146 Resp: 4566

Ion Ratio Lower Upper

146 100

111 235.3 24.3 72.8#

148 0.0 33.0 98.9#



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

