

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036613.D
 Acq On : 31 Mar 2021 22:40
 Operator : SY/AP
 Sample : M1807-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:30:26 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	5.68	49	1447953	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3587209	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3193512	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2747459	10.79	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	35970	0.152	ppbv 89
3) Chlorodifluoromethane	2.99	51	142591	0.527	ppbv # 83
4) Chloromethane	3.14	50	58715	0.614	ppbv # 86
7) Chloroethane	3.56	64	830	0.025	ppbv # 78
9) Propene	3.01	41	288455	3.345	ppbv 85
10) Heptane	8.13	43	594745	2.707	ppbv 99
11) Trichlorofluoromethane	3.96	101	56754	0.236	ppbv 84
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4695	0.031	ppbv # 1
13) Ethanol	3.61	45	1235751	120.324	ppbv 92
15) Acetone	3.85	43	7923876	55.601	ppbv 94
16) 1,3-Butadiene	3.31	39	162712	1.640	ppbv # 37
17) tert-Butyl alcohol	4.30	59	892048	7.190	ppbv 99
19) Isopropyl Alcohol	3.98	45	2157001	27.514	ppbv # 1
20) Methylene Chloride	4.35	84	116068	1.740	ppbv 83
21) Allyl Chloride	4.37	41	64862	0.571	ppbv # 55
23) Vinyl Acetate	5.07	43	131495	0.539	ppbv # 1
25) Ethyl Acetate	5.69	43	375440	1.108	ppbv # 84
26) Hexane	5.70	57	463209	2.946	ppbv # 50
27) Carbon Disulfide	4.56	76	585059	3.777	ppbv 98
29) Chloroform	5.76	83	797510	3.172	ppbv 94
30) Cyclohexane	7.14	84	124485	0.976	ppbv 87
34) 2-Butanone	5.25	43	760242	4.342	ppbv 94
35) Carbon Tetrachloride	7.04	117	14695	0.053	ppbv # 70
36) Benzene	6.90	78	706330	2.135	ppbv # 93
37) 1,2-Dichloroethane	6.32	62	8740	0.045	ppbv # 82
38) Trichloroethene	7.85	130	2586	0.020	ppbv # 58
39) 1,2-Dichloropropane	7.19	63	952578	7.098	ppbv # 23
40) 1,4-Dioxane	7.85	88	11341	0.363	ppbv # 1
41) Tetrahydrofuran	6.06	42	22126	0.274	ppbv # 41
42) Bromodichloromethane	7.81	83	19902	0.075	ppbv # 28
43) Methyl Methacrylate	8.03	69	4003	0.036	ppbv # 1
44) 2,2,4-Trimethylpentane	7.88	57	539966	0.927	ppbv # 45
50) 4-Methyl-2-Pentanone	8.76	43	372177	1.469	ppbv 99
51) 2-Hexanone	10.14	43	67219	0.526	ppbv # 87
52) Tetrachloroethene	11.25	164	3063	0.025	ppbv # 50
53) Toluene	9.82	91	2301167	6.532	ppbv 99
58) Ethyl Benzene	12.73	91	461532	0.993	ppbv 97
59) m/p-Xylene	13.01	91	273079	0.674	ppbv # 32
60) o-Xylene	13.71	91	399290	1.019	ppbv 99
61) Styrene	13.55	104	659502	3.346	ppbv 98
62) Isopropylbenzene	14.69	105	11037045	20.917	ppbv 94

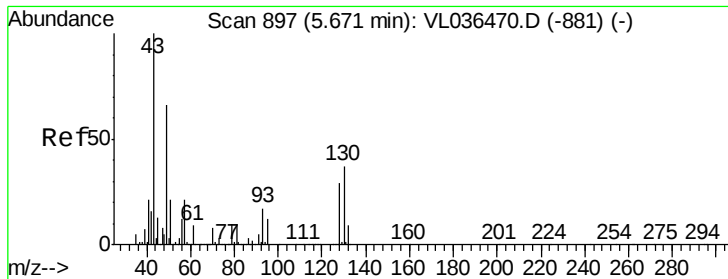
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	13.70	83	13974	0.047	ppbv #	24
64) n-propylbenzene	15.58	120	16200	0.126	ppbv #	1
65) tert-Butylbenzene	16.77	119	11710	0.026	ppbv #	17
66) Benzyl Chloride	17.02	91	1414	0.028	ppbv #	51
69) p-Isopropyltoluene	17.68	119	78792	0.156	ppbv #	42
70) n-Butylbenzene	18.58	91	13081	0.025	ppbv #	27
71) 2-Chlorotoluene	15.80	91	12600	0.032	ppbv	79
72) 4-Ethyltoluene	15.86	105	130506	0.304	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.02	105	90150	0.225	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.78	105	320969	0.748	ppbv #	66
79) Naphthalene	22.23	128	5194	0.021	ppbv #	69

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :

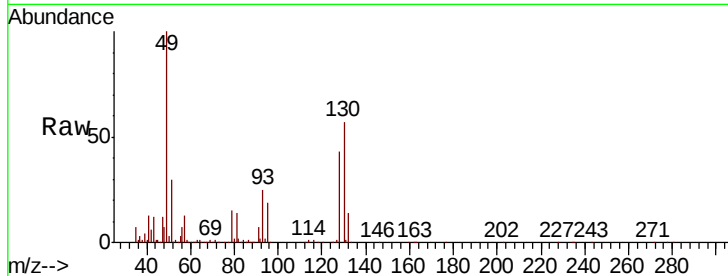
Tot Ion: 49 Resp: 1447953

Ion Ratio Lower Upper

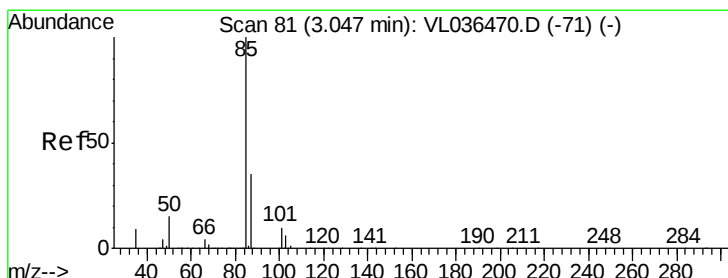
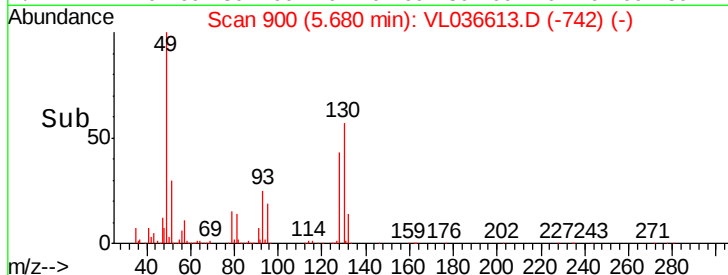
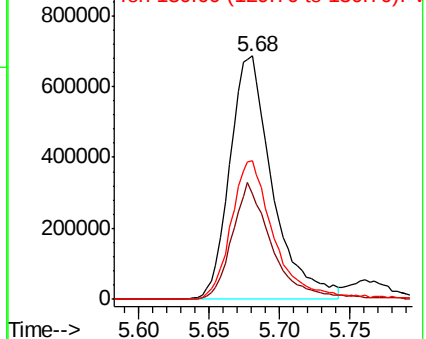
49 100

128 45.9 23.5 70.6

130 58.3 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: 0.152 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036613.D

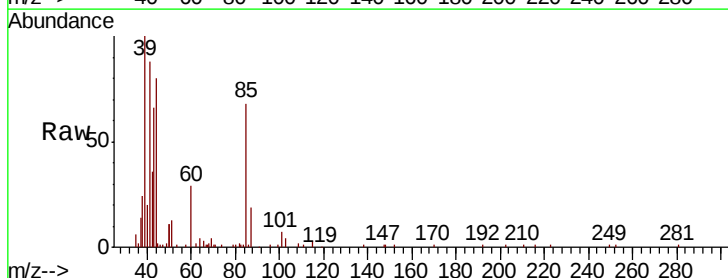
Acq: 31 Mar 2021 22:40

Tgt Ion: 85 Resp: 35970

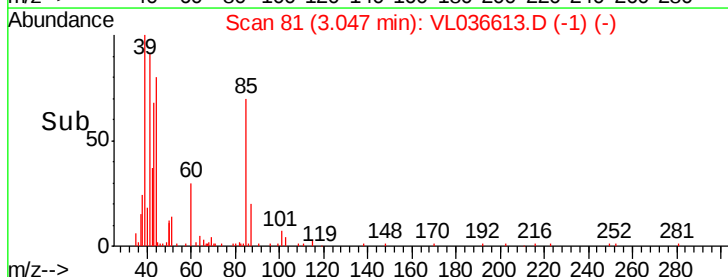
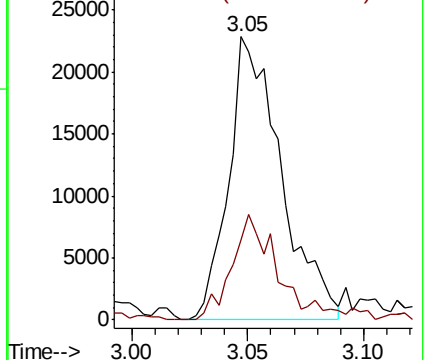
Ion Ratio Lower Upper

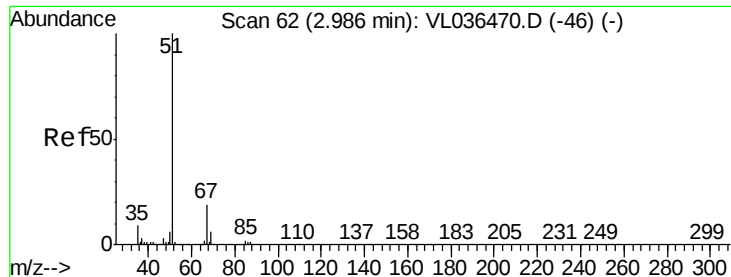
85 100

87 28.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

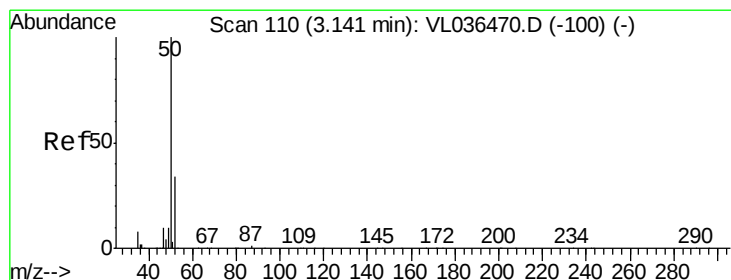
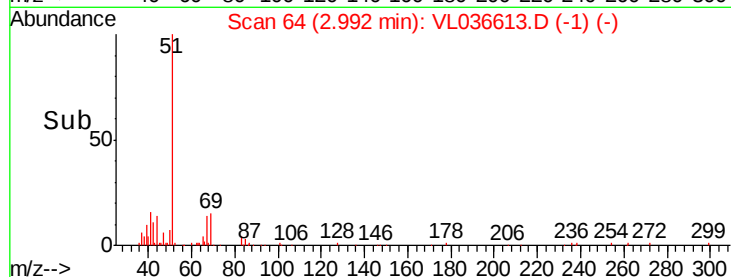
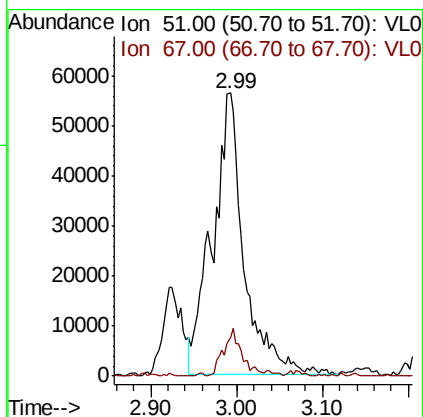
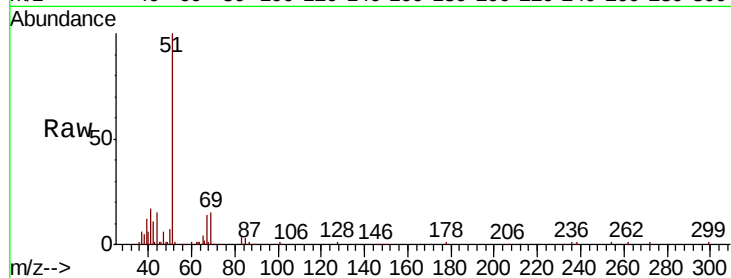




#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

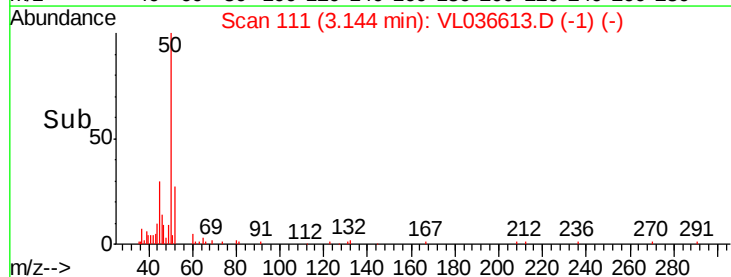
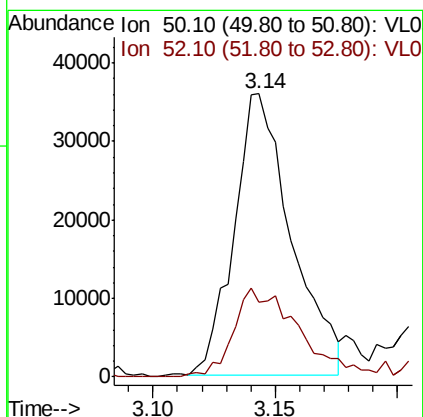
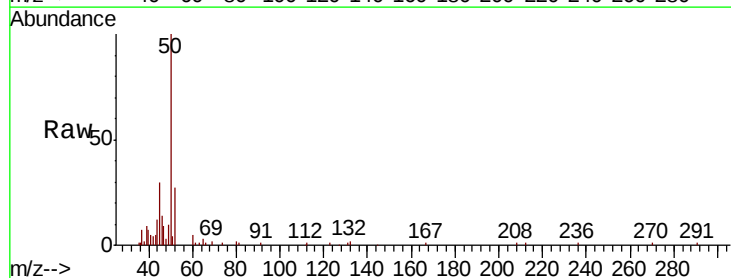
Instrument :
MSVOA_L
ClientSampleId :

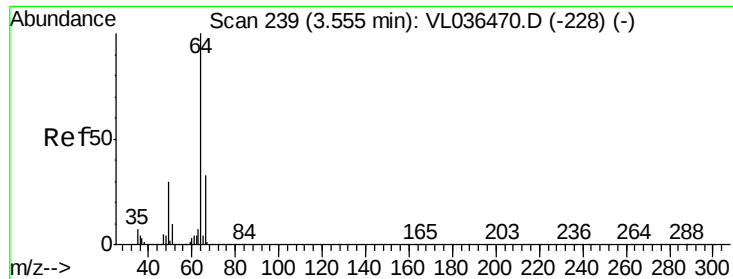
Tot Ion: 51 Resp: 142591
Ion Ratio Lower Upper
51 100
67 11.0 14.7 22.1#



#4
Chloromethane
Concen: 0.614 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 50 Resp: 58715
Ion Ratio Lower Upper
50 100
52 25.6 27.0 40.6#





#7

Chloroethane

Concen: 0.025 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

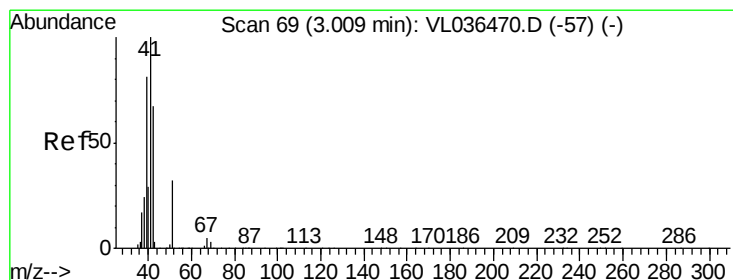
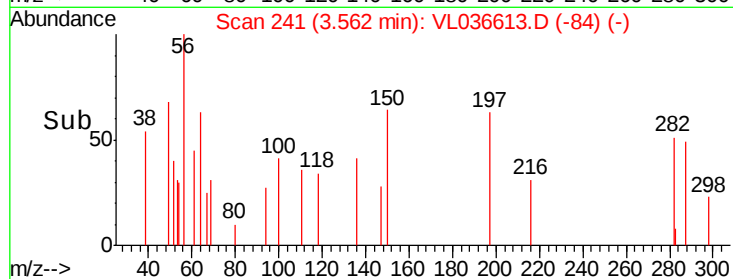
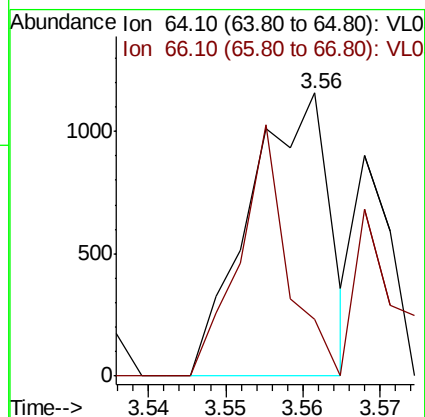
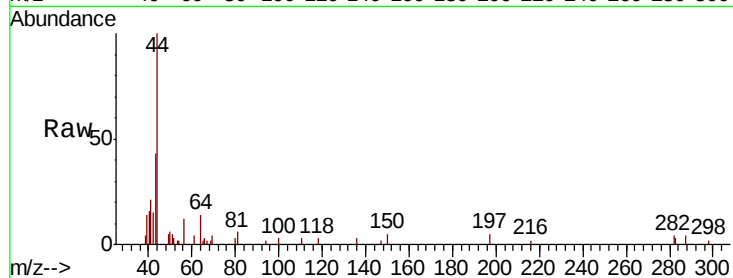
ClientSampled :

Tot Ion: 64 Resp: 830

Ion Ratio Lower Upper

64 100

66 20.1 26.2 39.2#



#9

Propene

Concen: 3.345 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036613.D

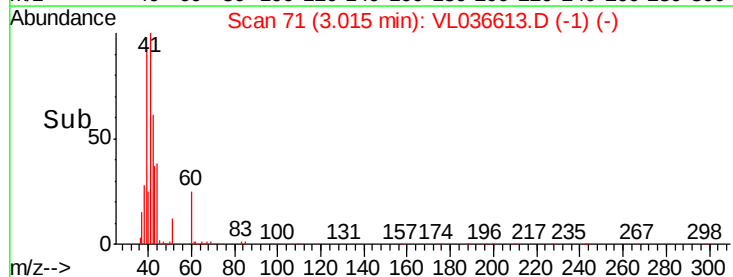
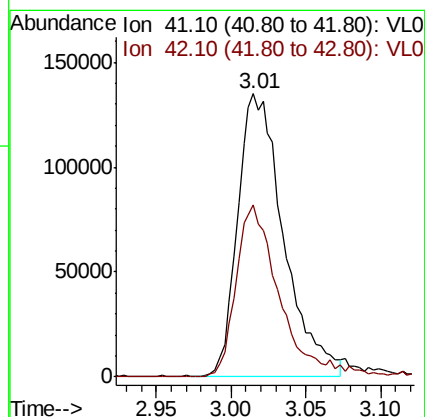
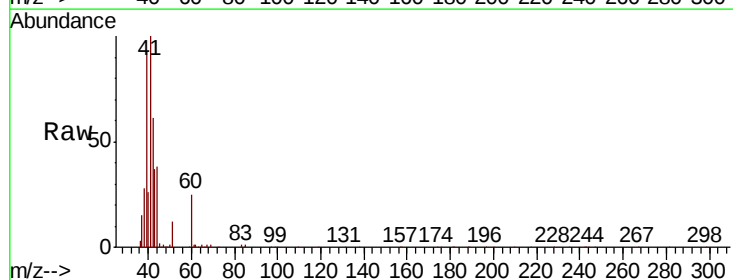
Acq: 31 Mar 2021 22:40

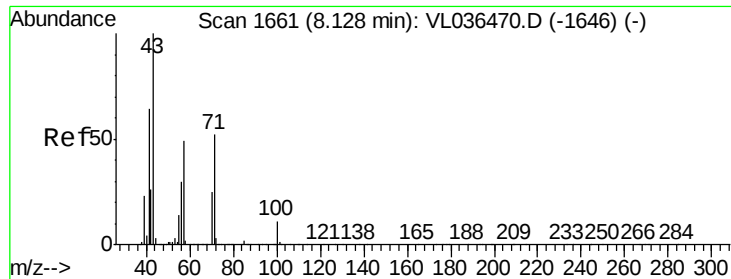
Tgt Ion: 41 Resp: 288455

Ion Ratio Lower Upper

41 100

42 58.5 57.0 85.4

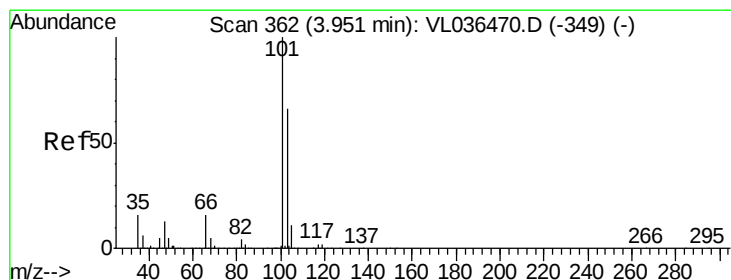
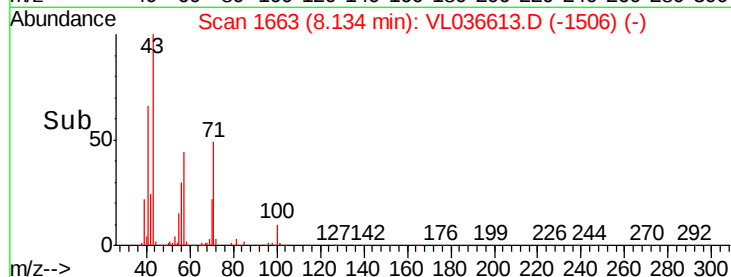
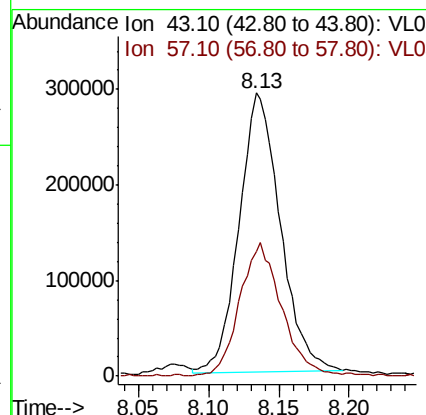
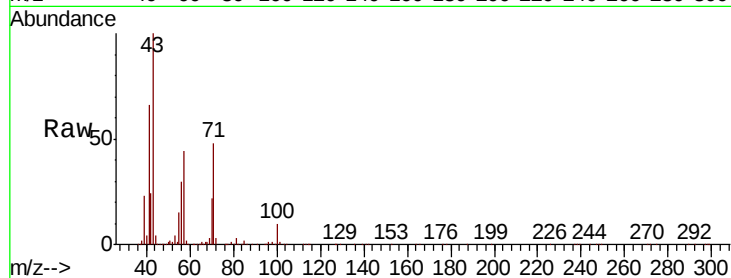




#10
 Heptane
 Concen: 2.707 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

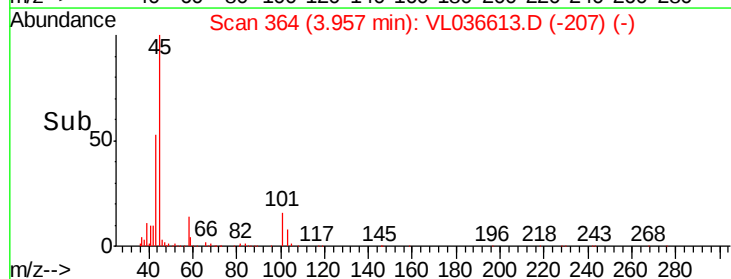
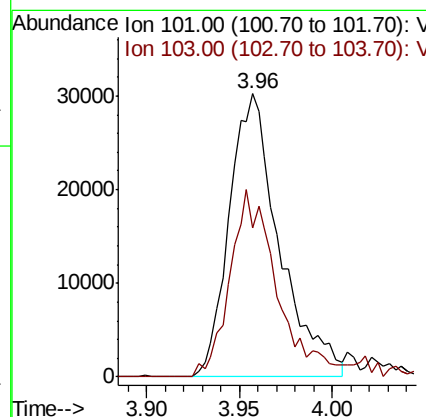
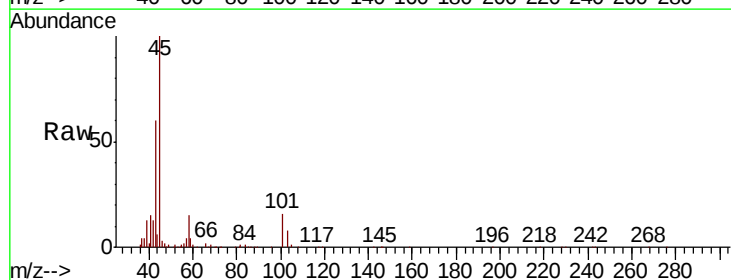
Instrument :
 MSVOA_L
 ClientSampleId :

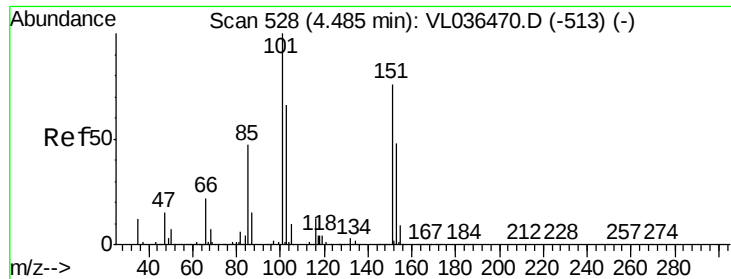
Tot Ion: 43 Resp: 594745
 Ion Ratio Lower Upper
 43 100
 57 48.3 39.0 58.6



#11
 Trichlorofluoromethane
 Concen: 0.236 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion: 101 Resp: 56754
 Ion Ratio Lower Upper
 101 100
 103 52.7 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.031 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

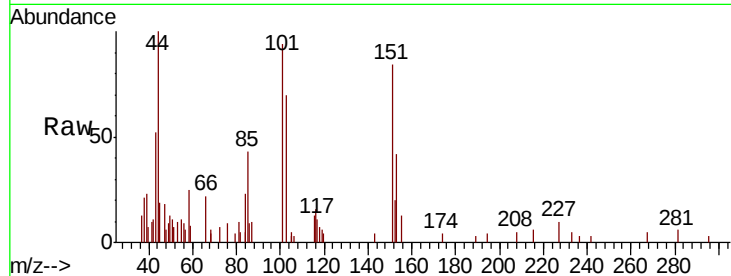
ClientSampleId :

Tot Ion:101 Resp: 4695

Ion Ratio Lower Upper

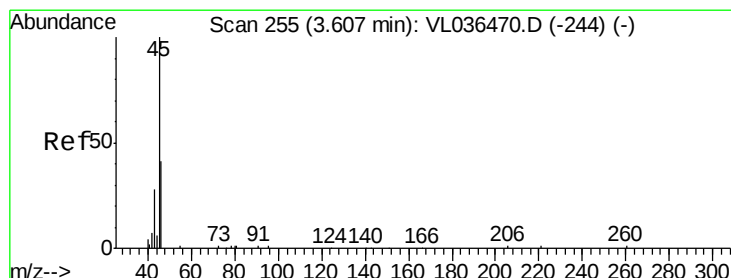
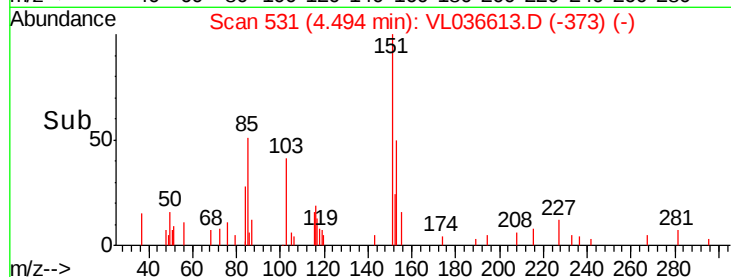
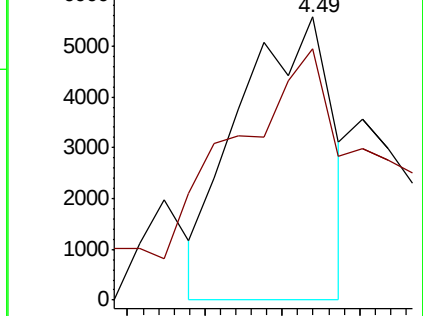
101 100

151 189.2 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: 120.324 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036613.D

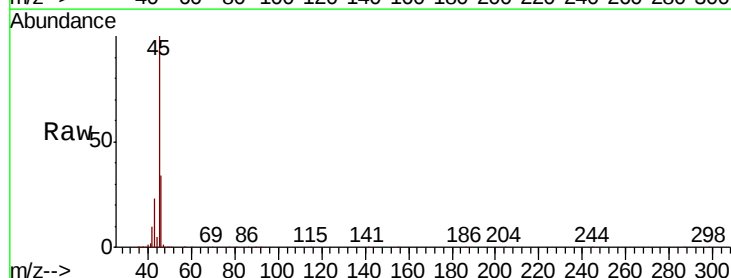
Acq: 31 Mar 2021 22:40

Tgt Ion: 45 Resp: 1235751

Ion Ratio Lower Upper

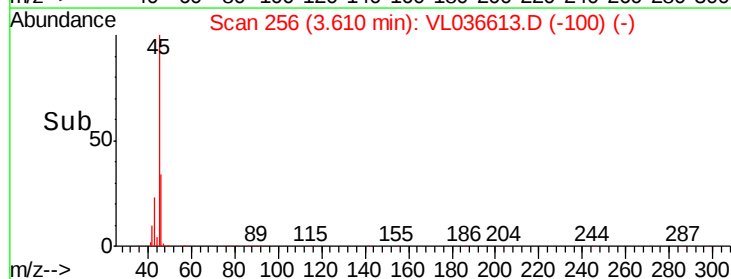
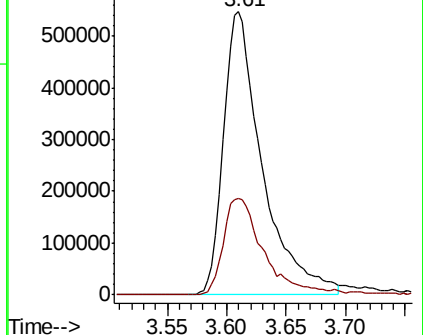
45 100

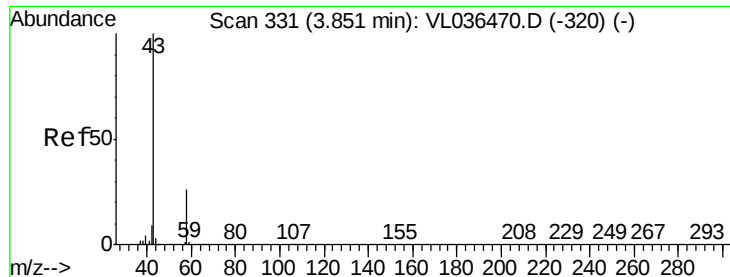
46 36.3 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 55.601 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

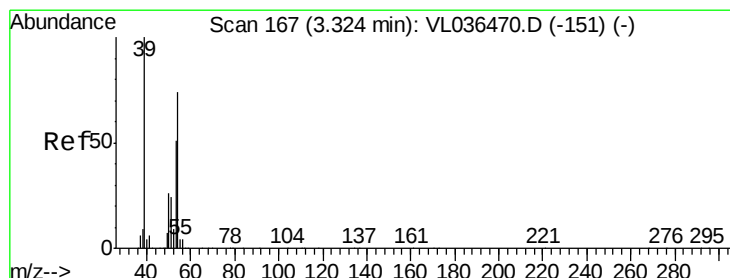
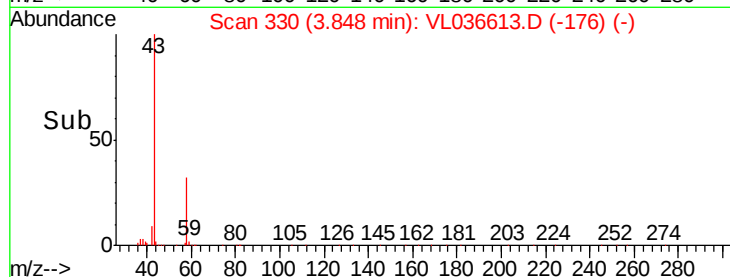
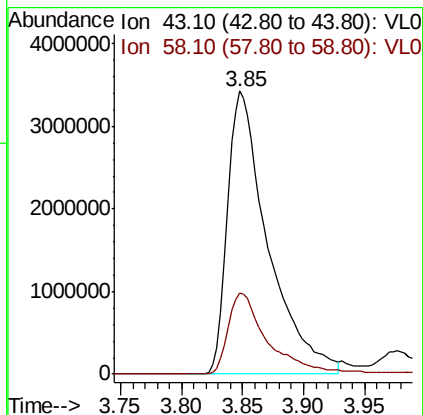
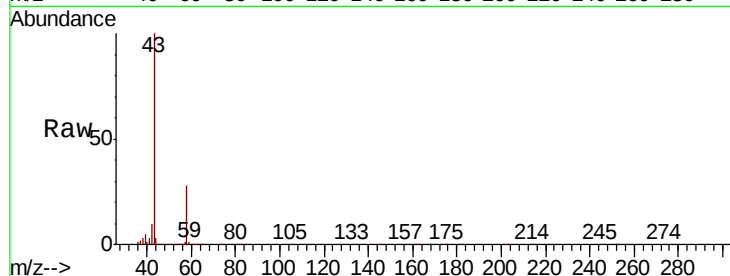
ClientSampleId :

Tot Ion: 43 Resp: 7923876

Ion Ratio Lower Upper

43 100

58 29.4 21.2 31.8



#16

1,3-Butadiene

Concen: 1.640 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL036613.D

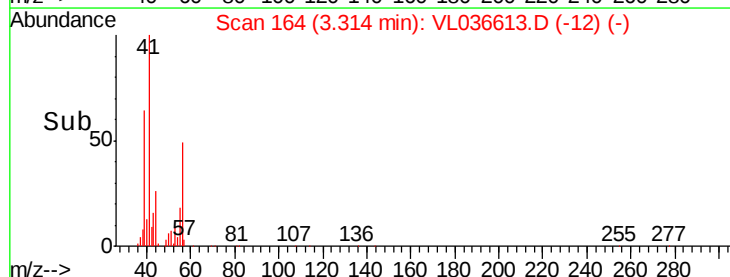
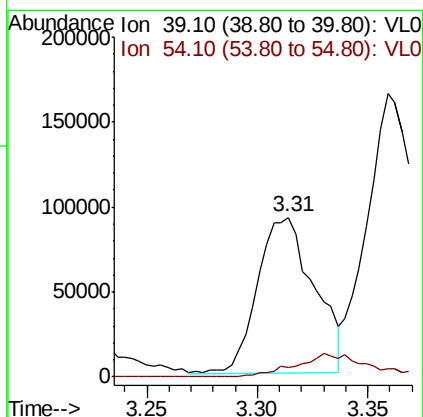
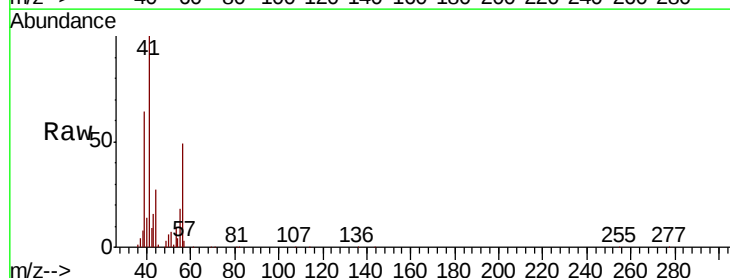
Acq: 31 Mar 2021 22:40

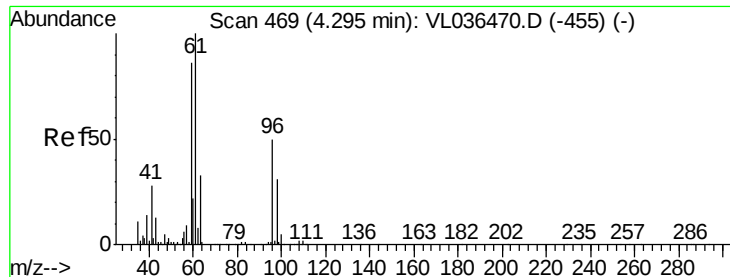
Tgt Ion: 39 Resp: 162712

Ion Ratio Lower Upper

39 100

54 20.6 58.8 88.2#



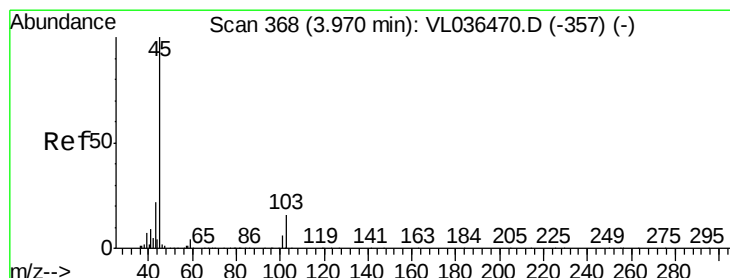
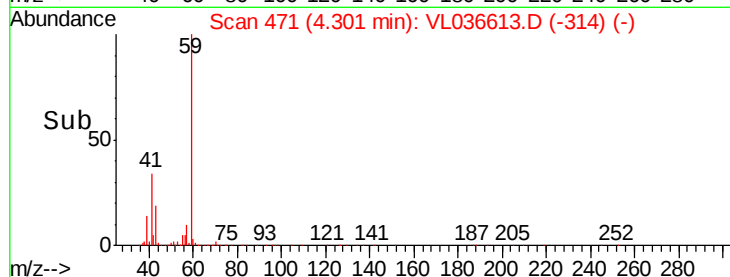
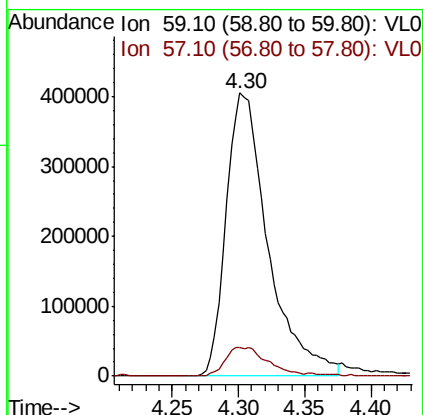
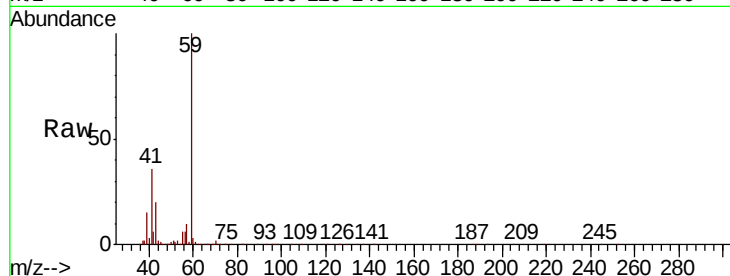


#17

tert-Butyl alcohol
Concen: 7.190 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :

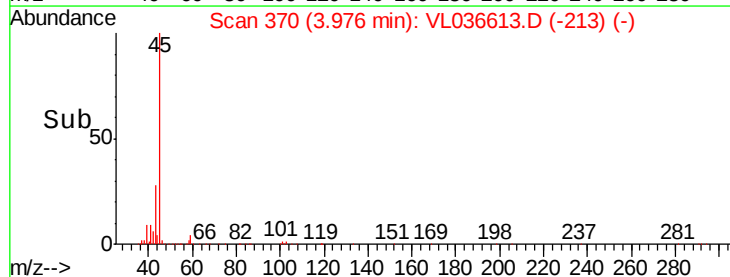
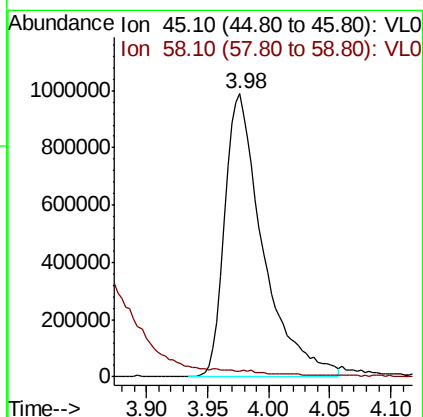
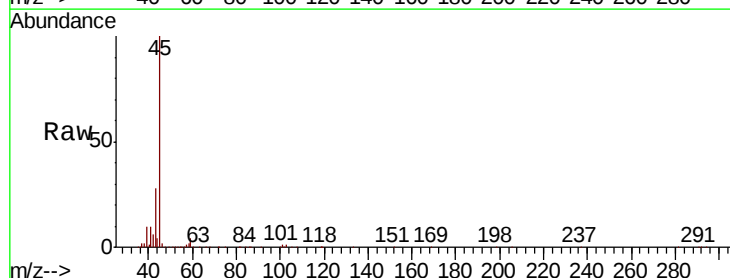
Tot Ion: 59 Resp: 892048
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

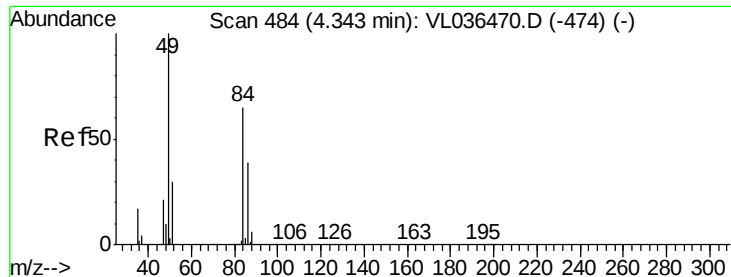


#19

Isopropyl Alcohol
Concen: 27.514 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 45 Resp: 2157001
Ion Ratio Lower Upper
45 100
58 108.2 2.9 4.3#

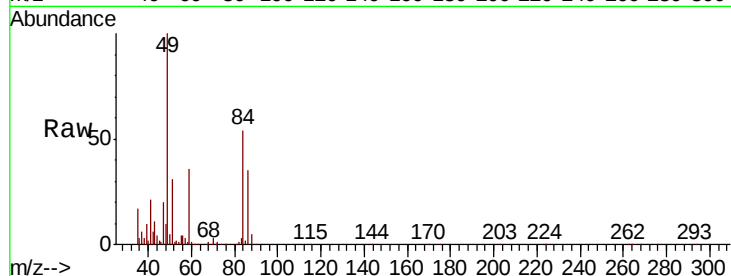




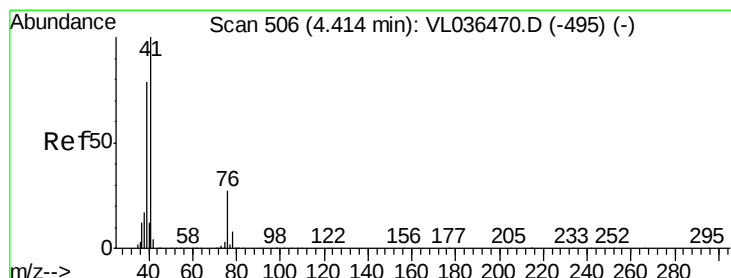
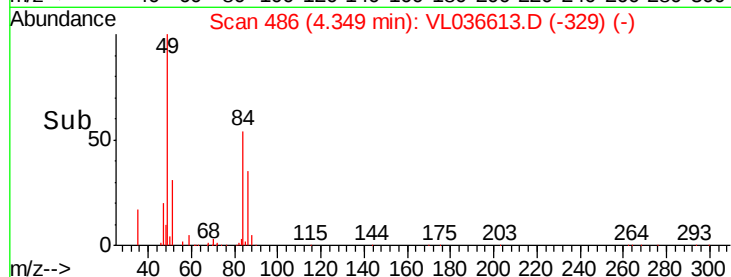
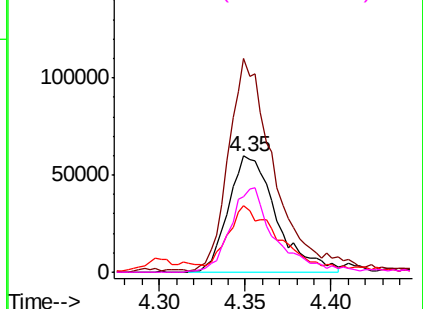
#20
Methylene Chloride
Concen: 1.740 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 116068
Ion Ratio Lower Upper
84 100
49 182.7 122.9 184.3
51 54.3 36.9 55.3
86 64.2 48.2 72.4

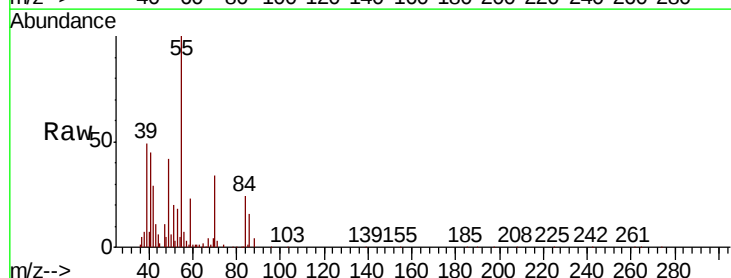


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

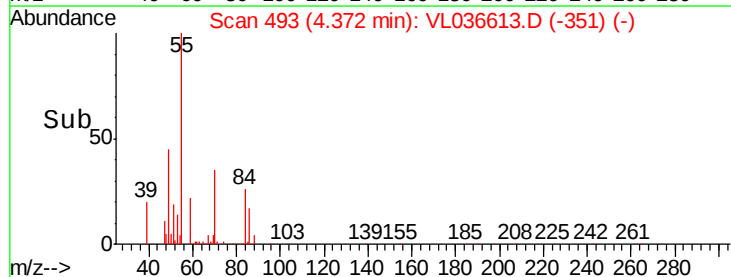
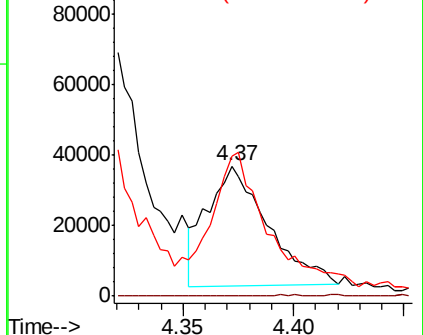


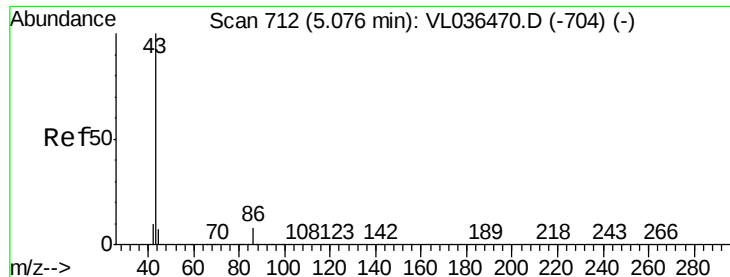
#21
Allyl Chloride
Concen: 0.571 ppbv
RT: 4.37 min Scan# 493
Delta R.T. -0.04 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 41 Resp: 64862
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 122.5 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: 0.539 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 131495

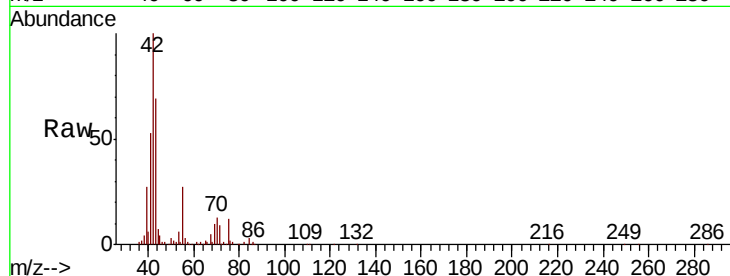
Ion Ratio Lower Upper

43 100

86 2.3 5.4 8.0#

42 147.9 8.5 12.7#

44 3.3 4.6 7.0#

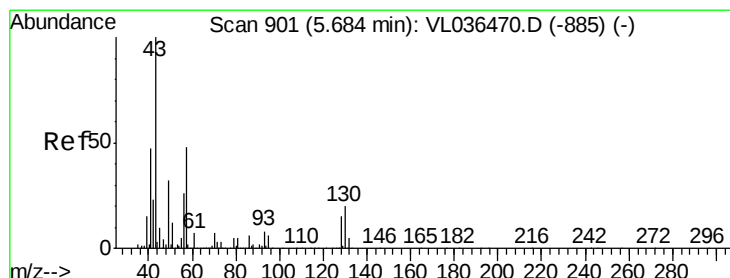
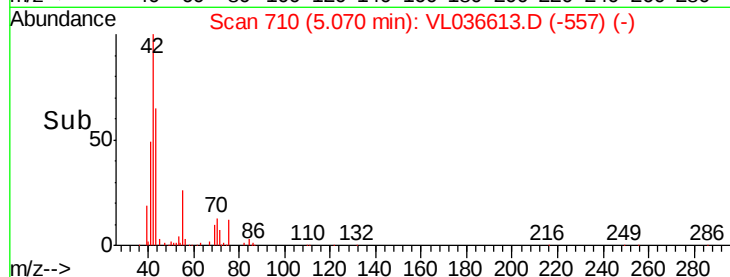
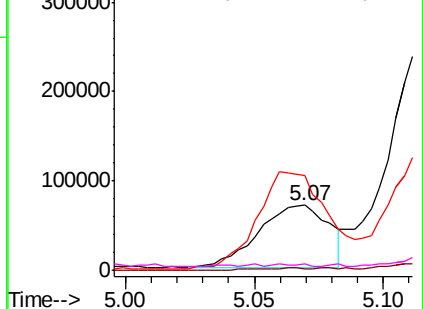


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.108 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion: 43 Resp: 375440

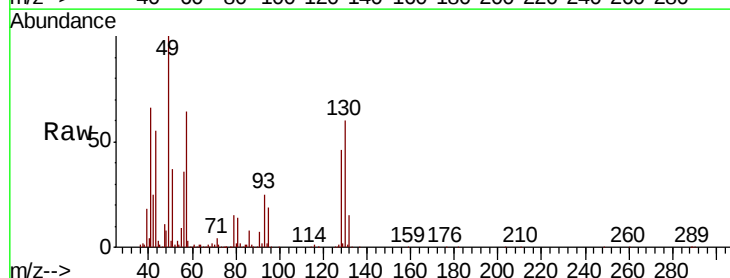
Ion Ratio Lower Upper

43 100

45 4.8 7.9 11.9#

61 1.5 7.4 11.2#

70 2.2 5.1 7.7#

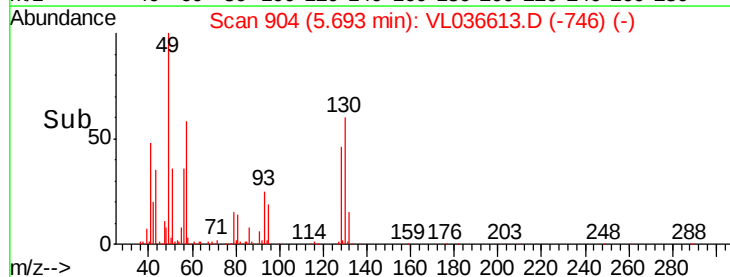
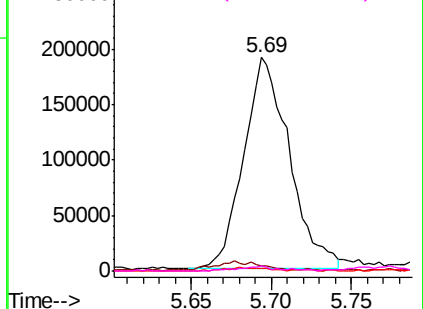


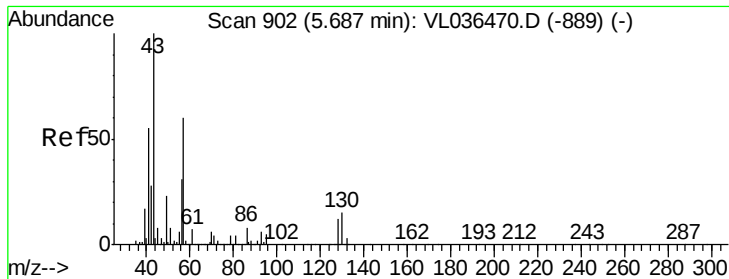
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.946 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 463209

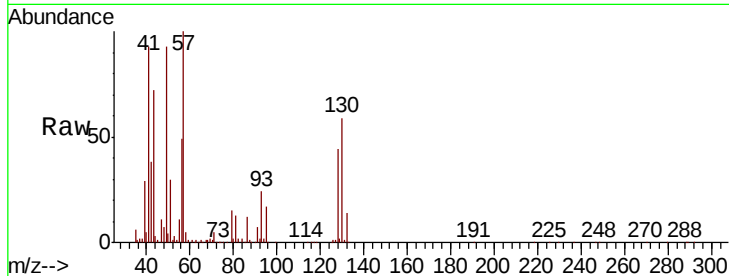
Ion Ratio Lower Upper

57 100

41 102.8 77.2 115.8

43 88.5 173.8 260.6#

56 57.1 43.8 65.6

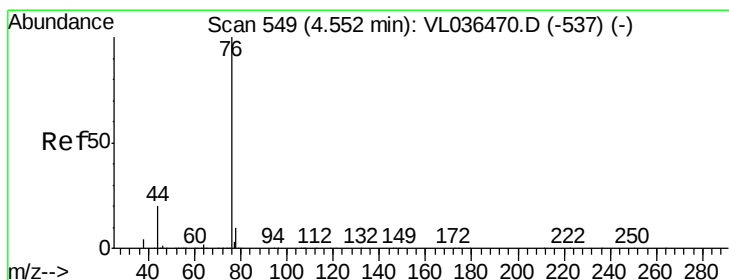
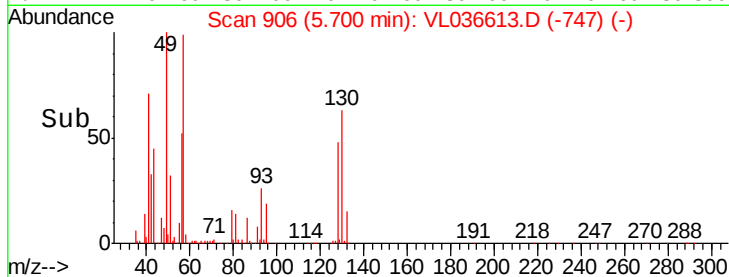
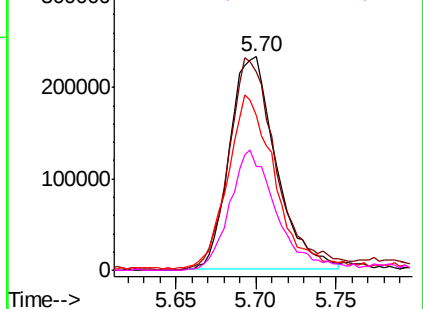


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 3.777 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

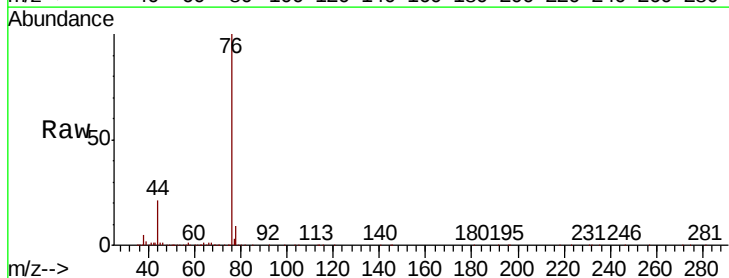
Tgt Ion: 76 Resp: 585059

Ion Ratio Lower Upper

76 100

44 22.6 17.5 26.3

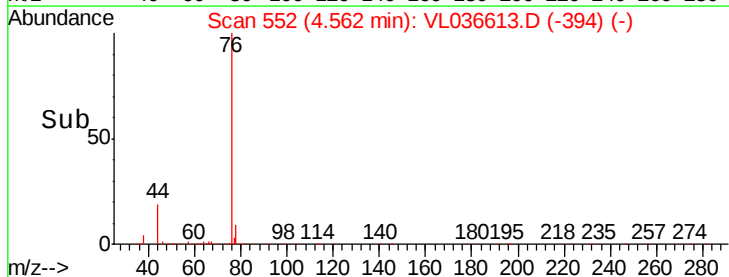
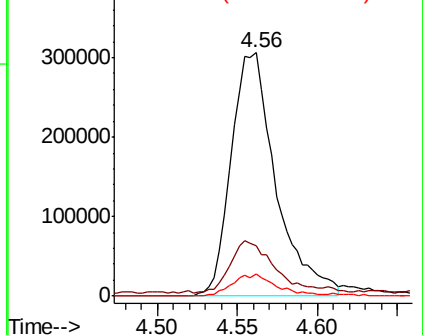
78 9.9 8.6 13.0

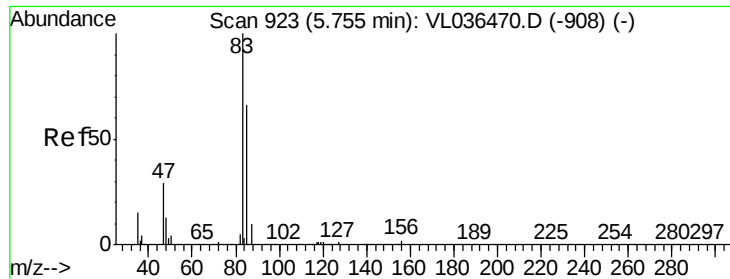


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 3.172 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

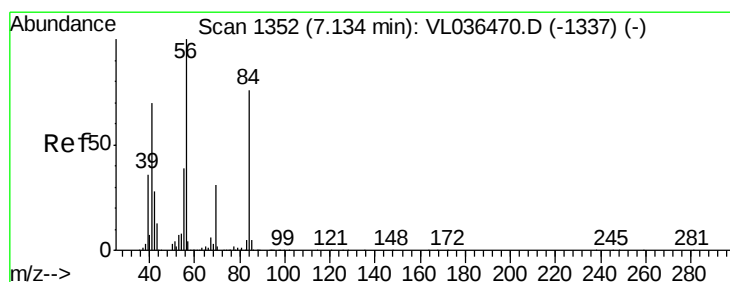
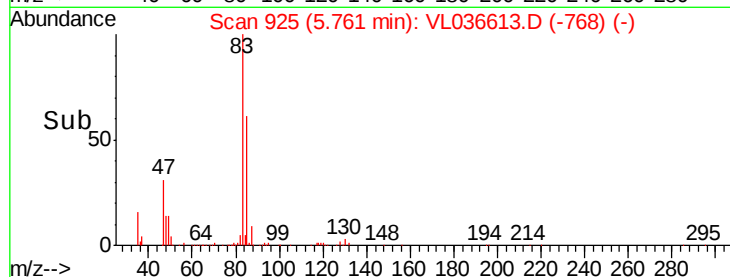
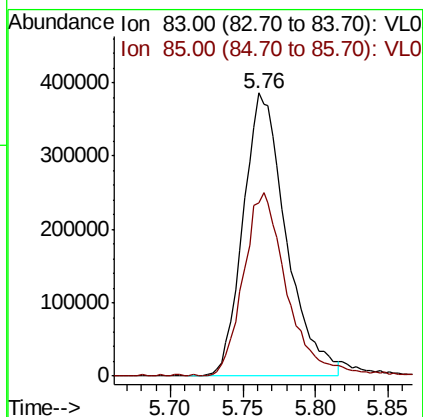
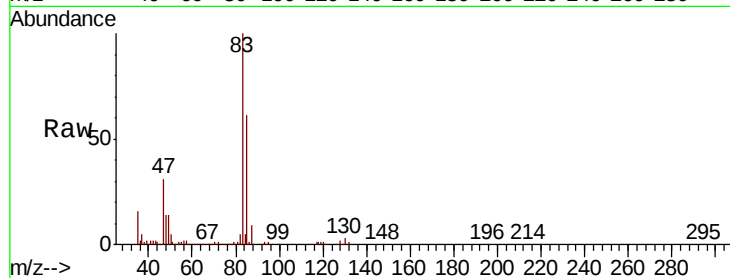
ClientSampleId :

Tot Ion: 83 Resp: 797510

Ion Ratio Lower Upper

83 100

85 61.2 52.6 78.8



#30

Cyclohexane

Concen: 0.976 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

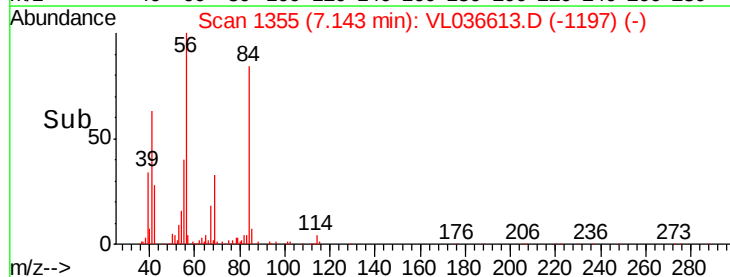
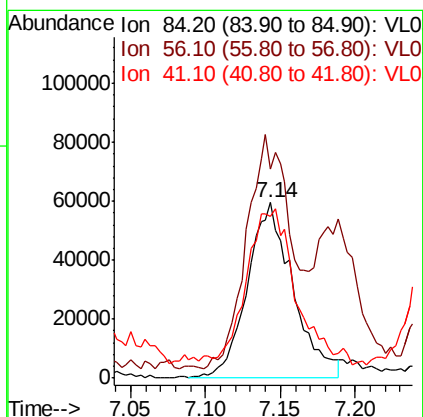
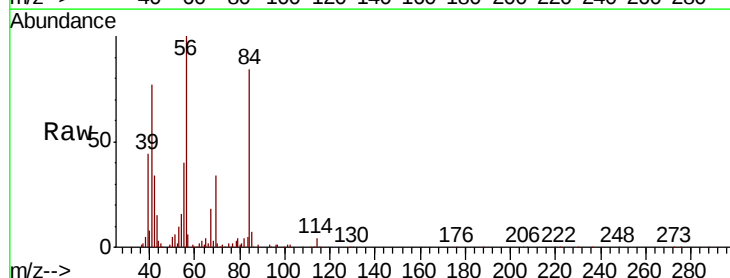
Tgt Ion: 84 Resp: 124485

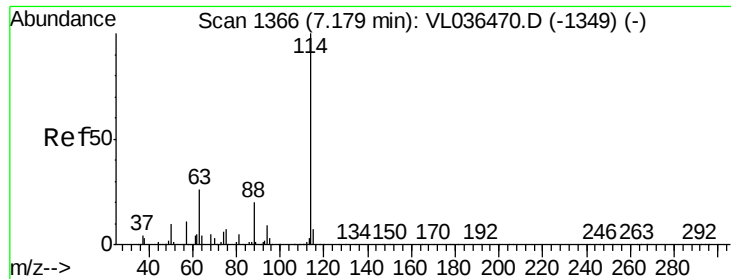
Ion Ratio Lower Upper

84 100

56 129.4 114.6 171.8

41 110.1 75.3 112.9

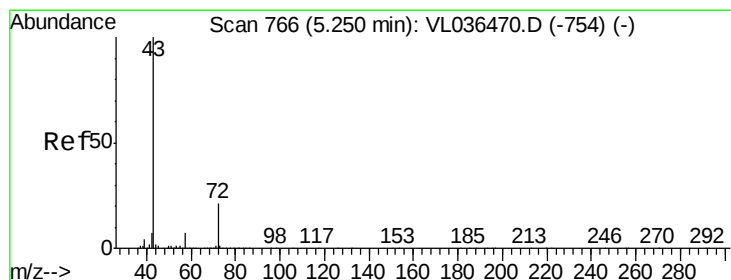
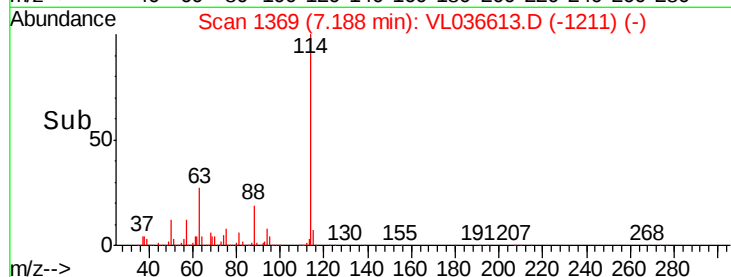
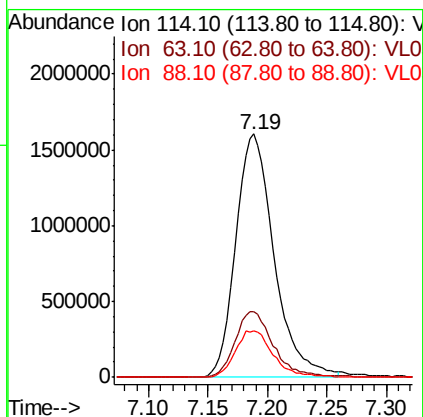
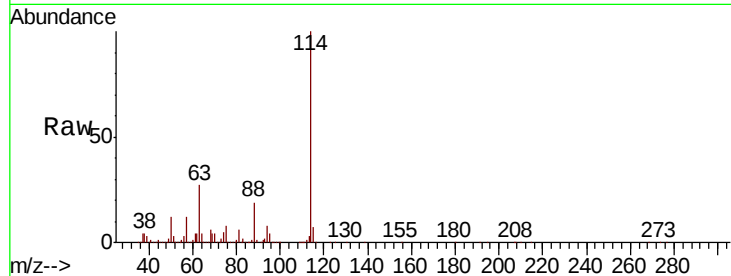




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

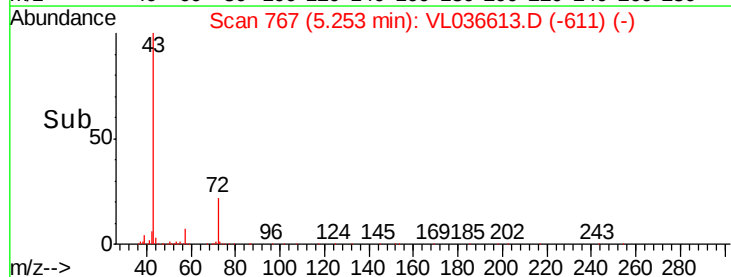
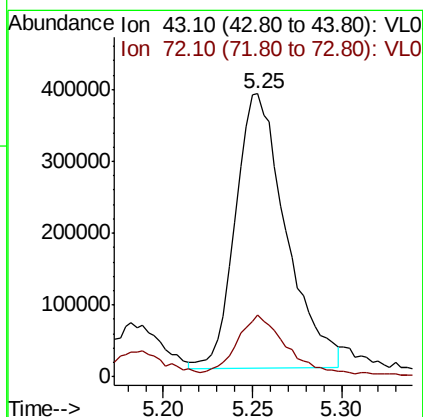
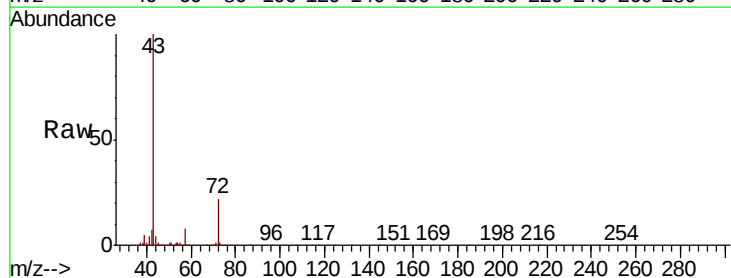
Instrument :
 MSVOA_L
 ClientSampleId :

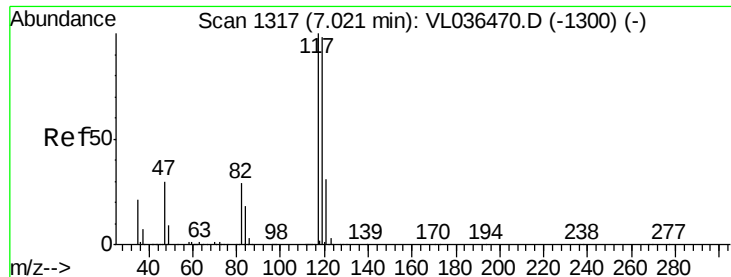
Tot Ion:114 Resp: 3587209
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.4 33.6
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 4.342 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion: 43 Resp: 760242
 Ion Ratio Lower Upper
 43 100
 72 24.0 17.0 25.6





#35

Carbon Tetrachloride

Concen: 0.053 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

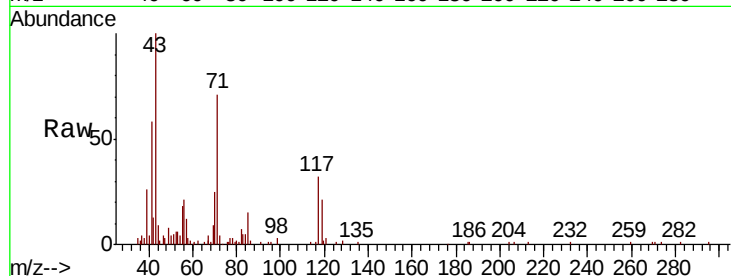
Tot Ion:117 Resp: 14695

Ion Ratio Lower Upper

117 100

119 71.1 78.2 117.2#

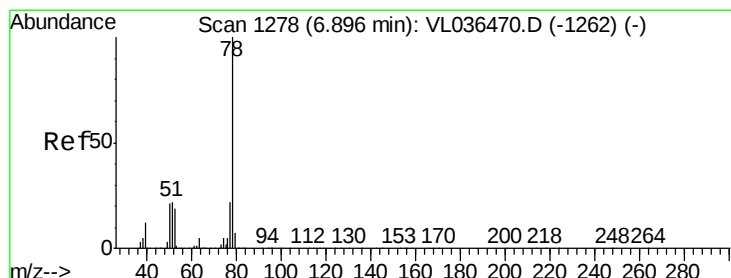
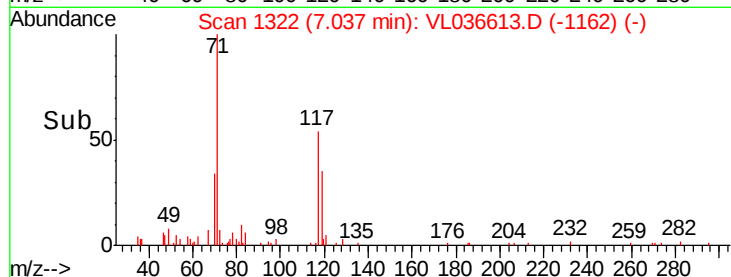
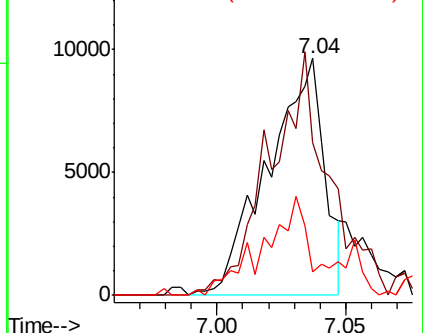
121 10.0 24.5 36.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.135 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

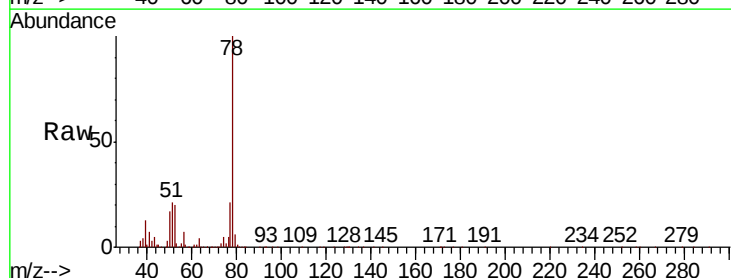
Tgt Ion: 78 Resp: 706330

Ion Ratio Lower Upper

78 100

77 20.7 18.0 27.0

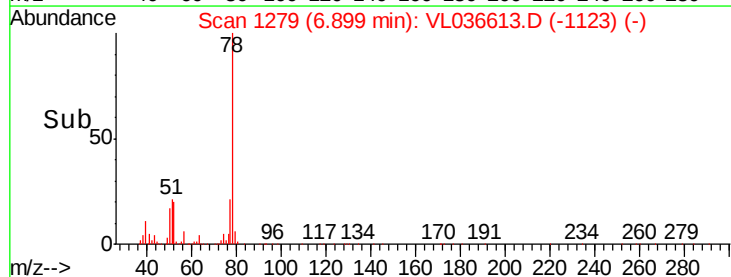
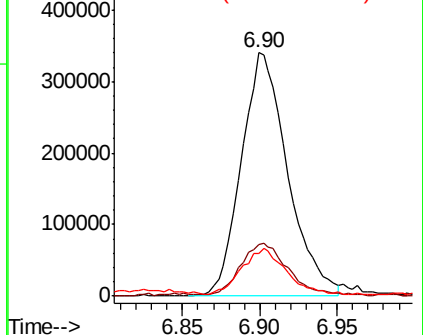
50 15.9 16.5 24.7#

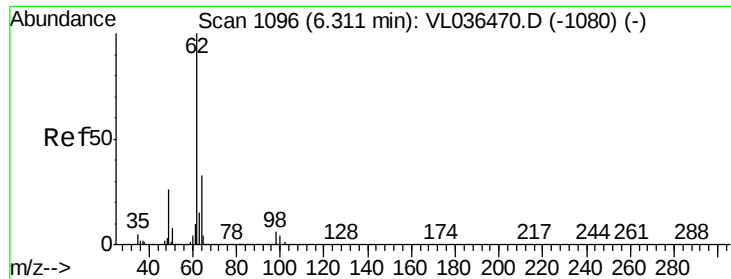


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

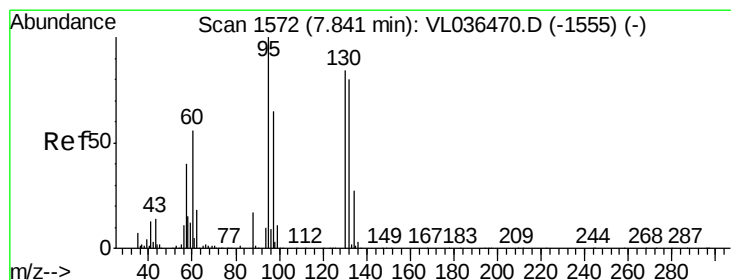
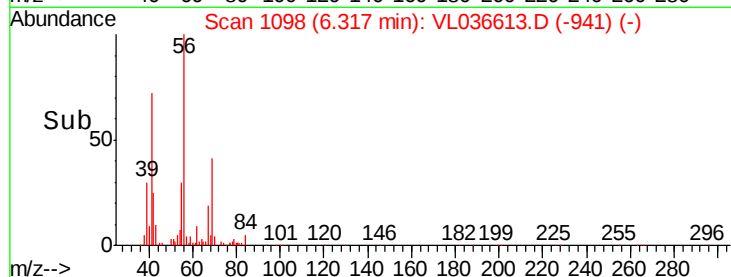
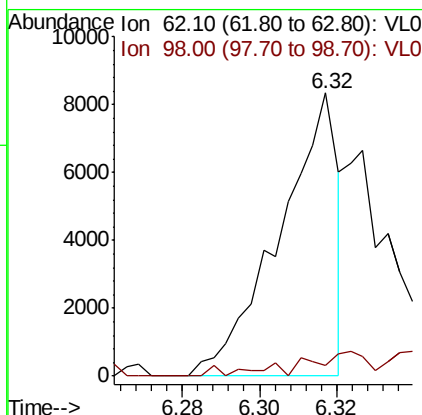
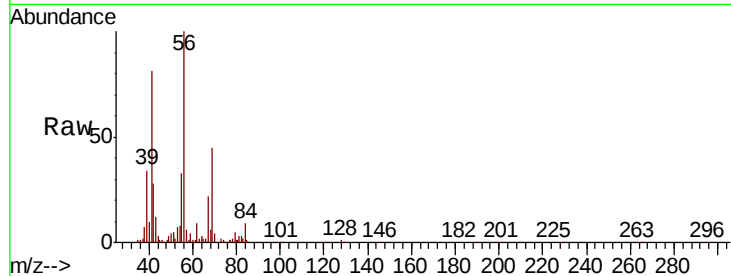




#37
 1,2-Dichloroethane
 Concen: 0.045 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

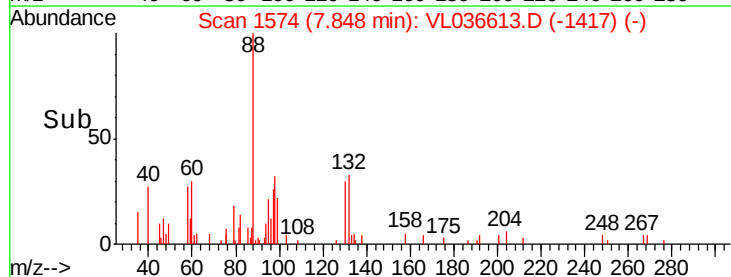
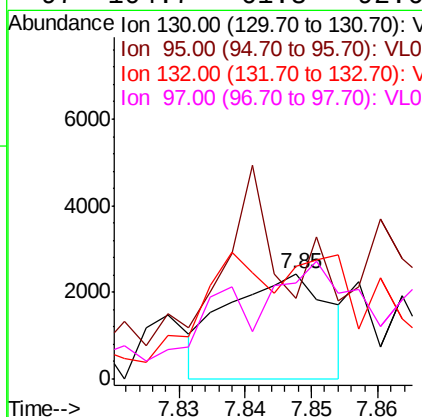
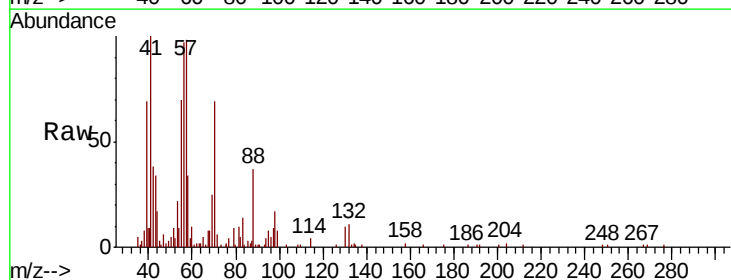
Instrument :
 MSVOA_L
 ClientSampleId :

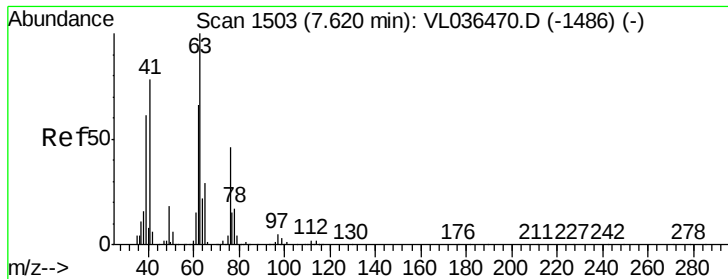
Tot Ion: 62 Resp: 8740
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.9 7.3#



#38
 Trichloroethene
 Concen: 0.020 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion: 130 Resp: 2586
 Ion Ratio Lower Upper
 130 100
 95 47.8 95.7 143.5#
 132 116.0 76.2 114.4#
 97 104.7 61.8 92.6#

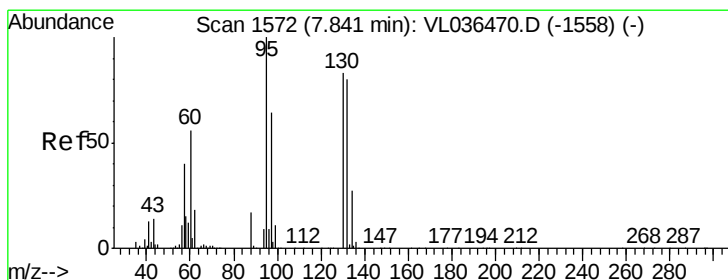
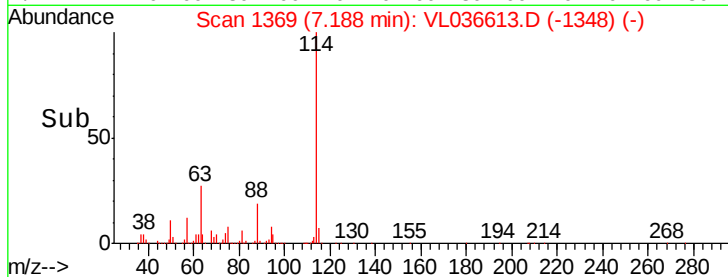
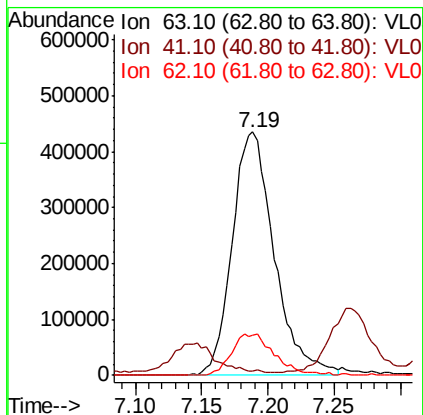
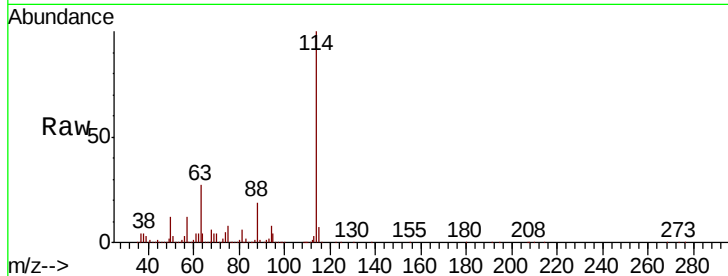




#39
 1,2-Dichloropropane
 Concen: 7.098 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.43 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

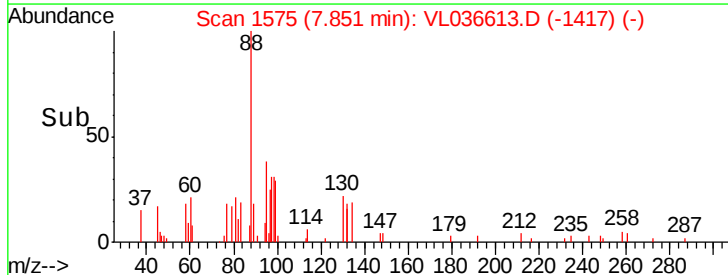
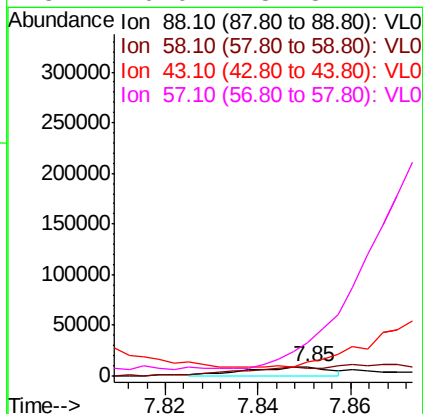
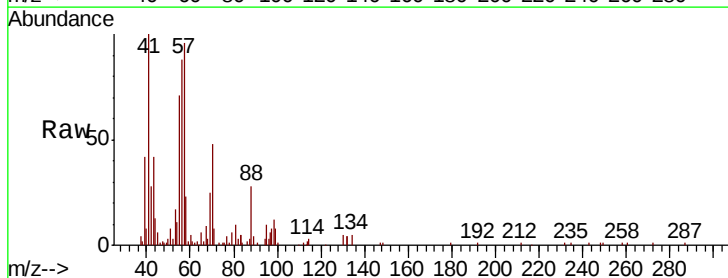
Instrument :
 MSVOA_L
 ClientSampleID :

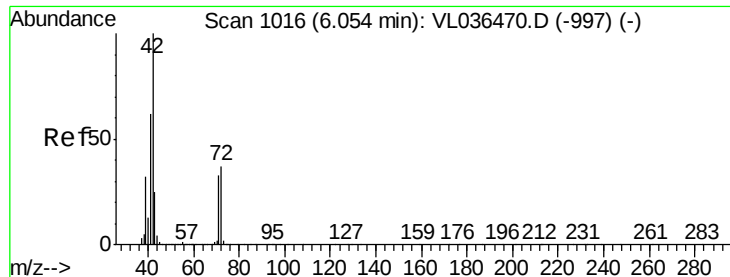
Tot Ion: 63 Resp: 952578
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 16.3 52.8 79.2#



#40
 1,4-Dioxane
 Concen: 0.363 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion: 88 Resp: 11341
 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#

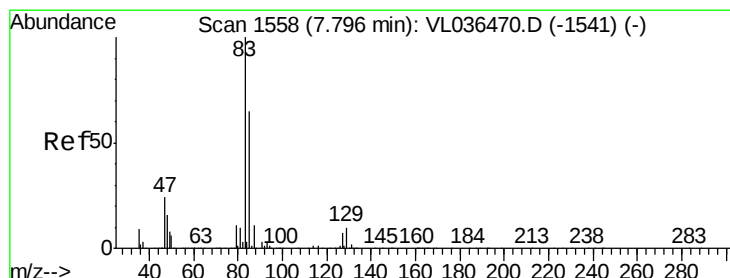
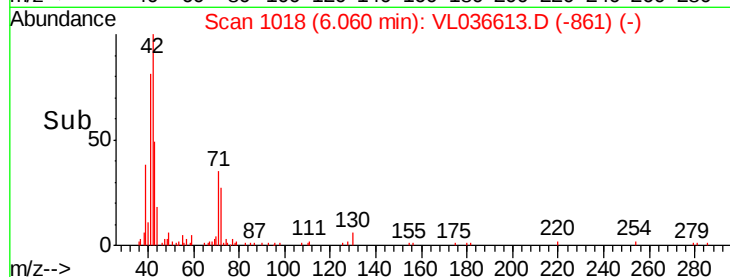
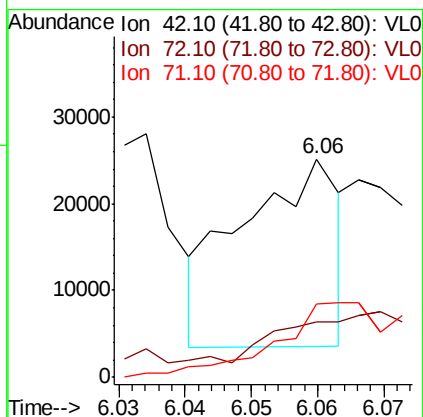
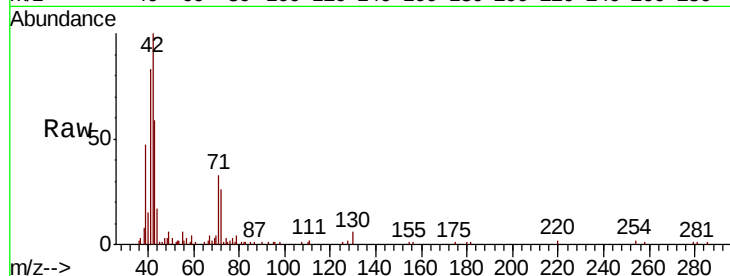




#41
Tetrahydrofuran
Concen: 0.274 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

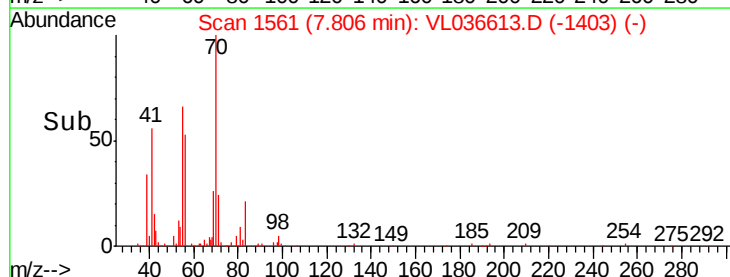
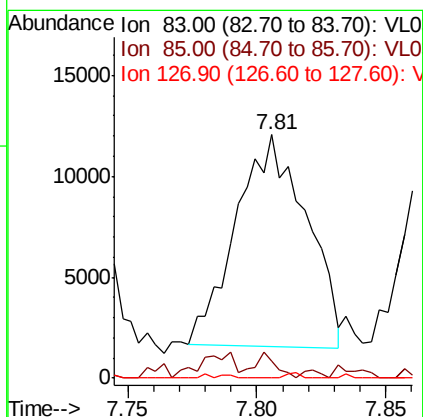
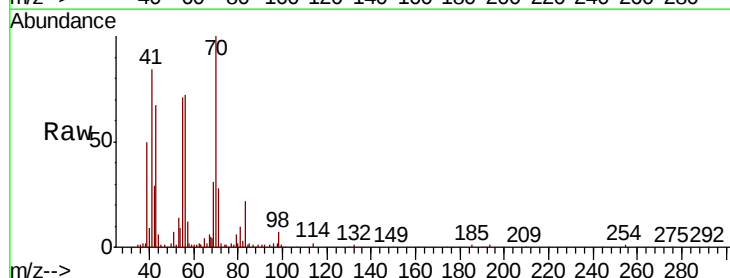
Instrument :
MSVOA_L
ClientSampleId :

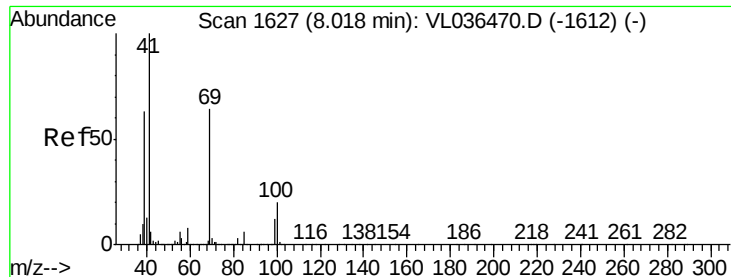
Tot Ion: 42 Resp: 22126
Ion Ratio Lower Upper
42 100
72 0.0 27.6 41.4#
71 0.0 27.0 40.4#



#42
Bromodichloromethane
Concen: 0.075 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 83 Resp: 19902
Ion Ratio Lower Upper
83 100
85 3.4 51.8 77.6#
127 0.0 5.8 8.8#

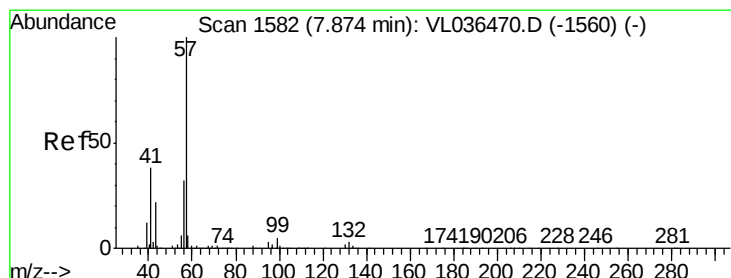
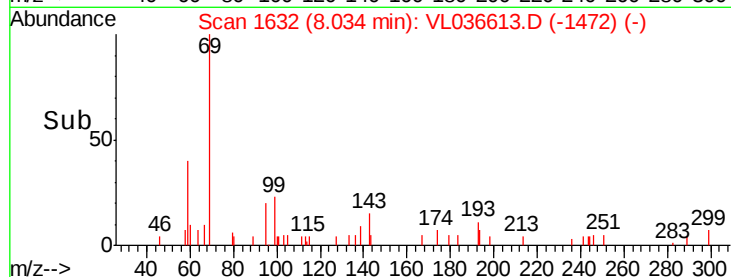
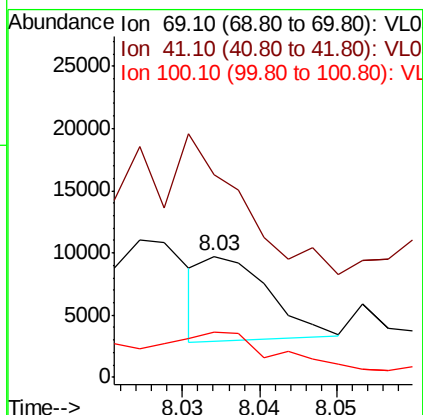
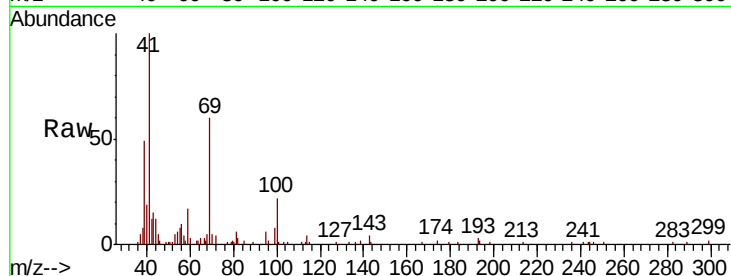




#43
Methvl Methacrylate
Concen: 0.036 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

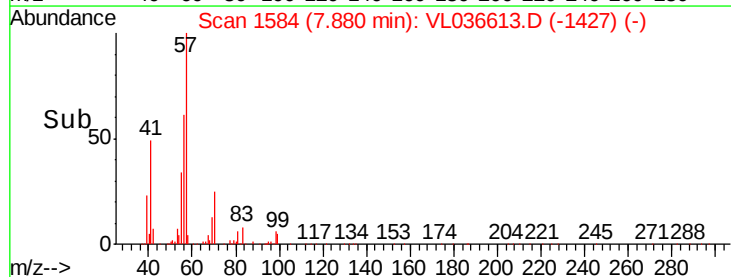
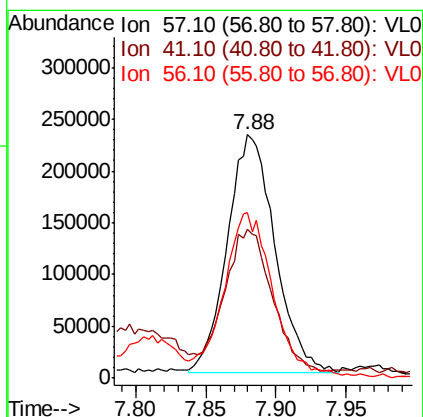
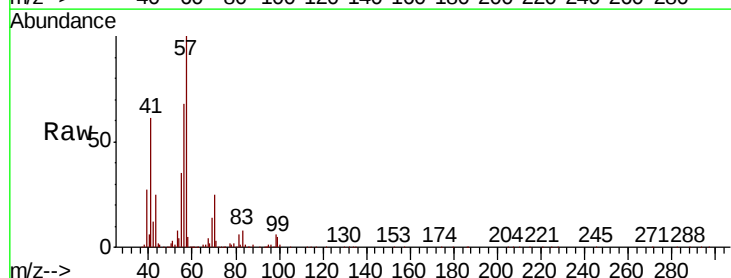
Instrument :
MSVOA_L
ClientSampled :

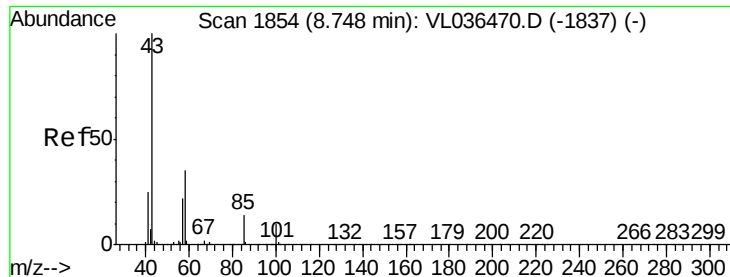
Tot Ion: 69 Resp: 4003
Ion Ratio Lower Upper
69 100
41 529.8 126.8 190.2#
100 176.7 24.9 37.3#



#44
2,2,4-Trimethylpentane
Concen: 0.927 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 57 Resp: 539966
Ion Ratio Lower Upper
57 100
41 60.3 28.8 43.2#
56 71.8 26.1 39.1#

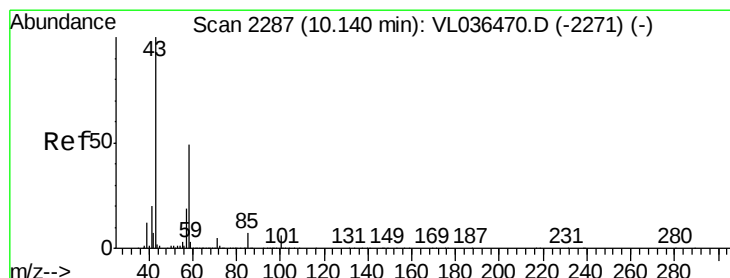
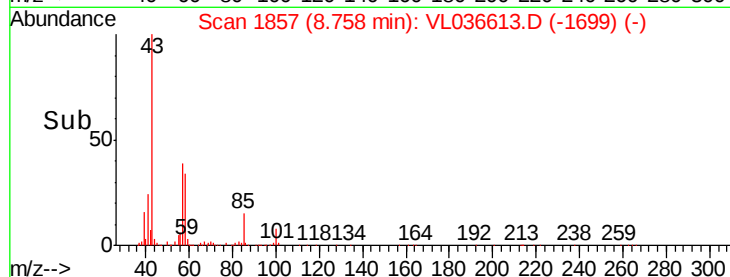
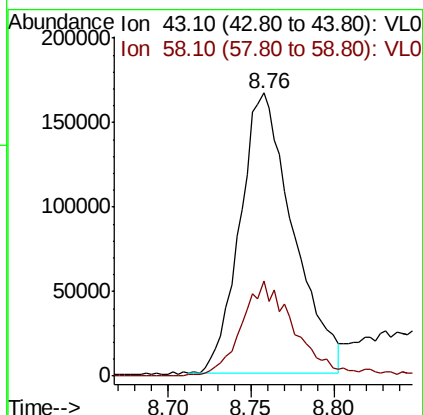
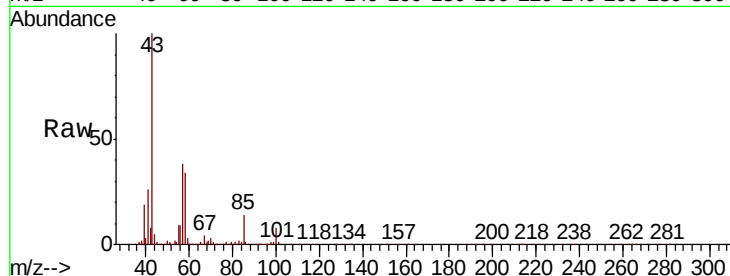




#50
4-Methyl-2-Pentanone
Concen: 1.469 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

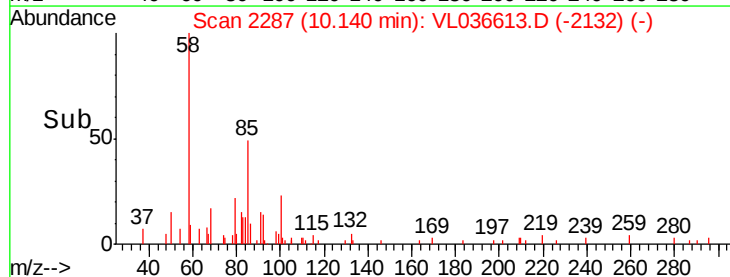
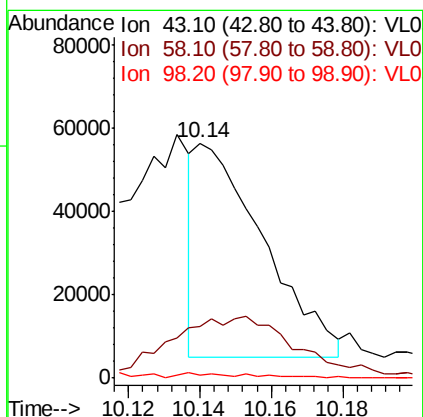
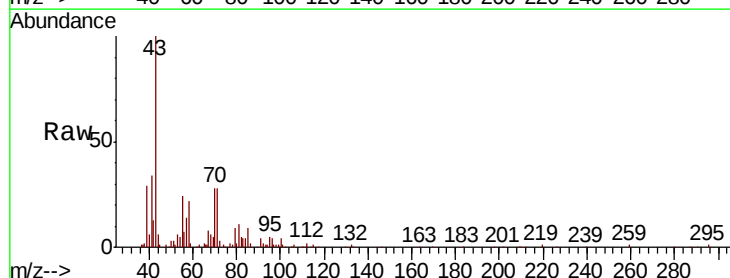
Instrument :
MSVOA_L
ClientSampleId :

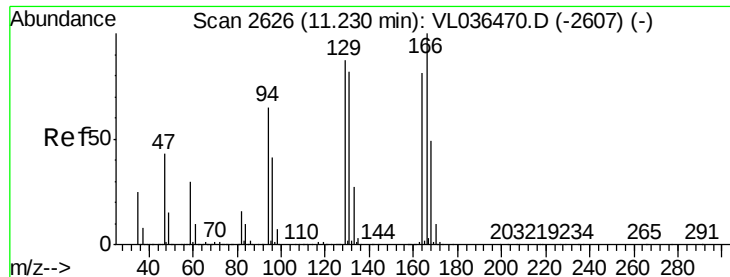
Tot Ion: 43 Resp: 372177
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.2



#51
2-Hexanone
Concen: 0.526 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 43 Resp: 67219
Ion Ratio Lower Upper
43 100
58 55.5 37.7 56.5
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.025 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 3063

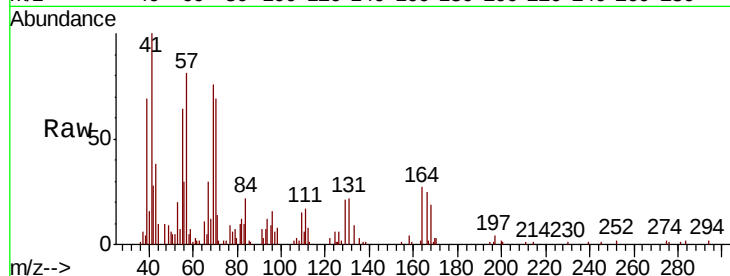
Ion Ratio Lower Upper

164 100

166 53.4 98.3 147.5#

129 57.2 85.8 128.8#

131 64.7 80.9 121.3#



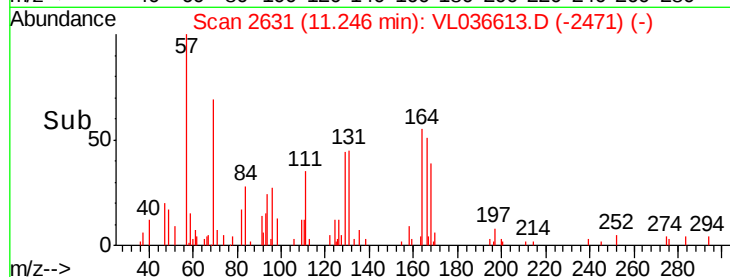
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

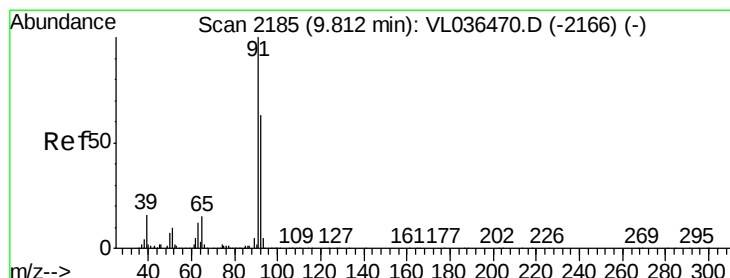
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



Time-->



#53

Toluene

Concen: 6.532 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL036613.D

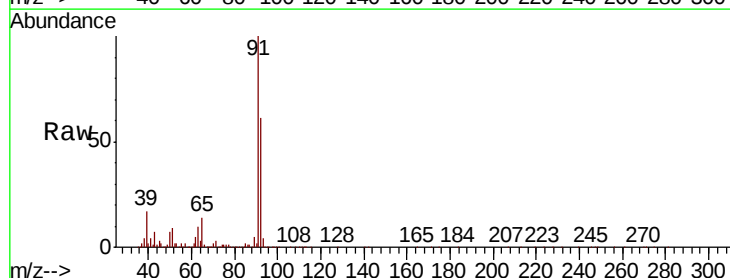
Acq: 31 Mar 2021 22:40

Tgt Ion: 91 Resp: 2301167

Ion Ratio Lower Upper

91 100

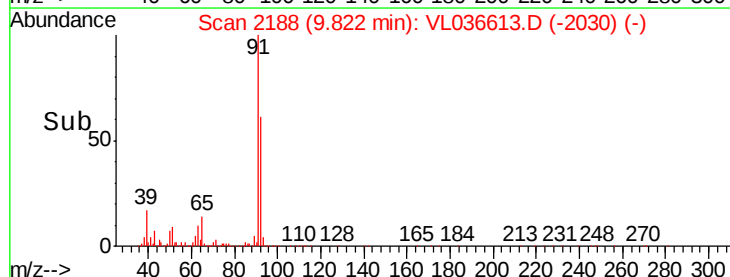
92 60.4 48.8 73.2



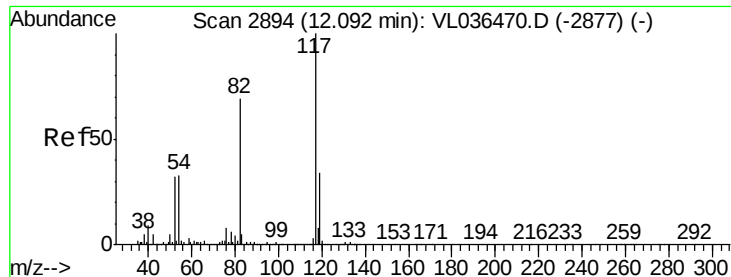
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->



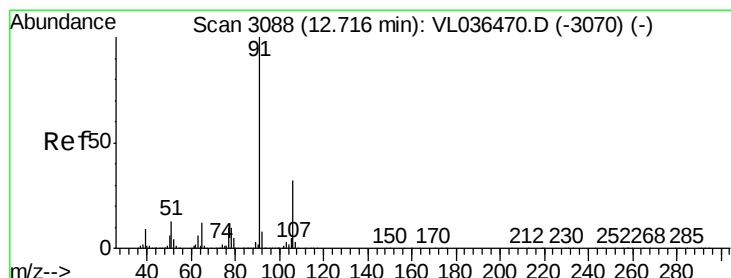
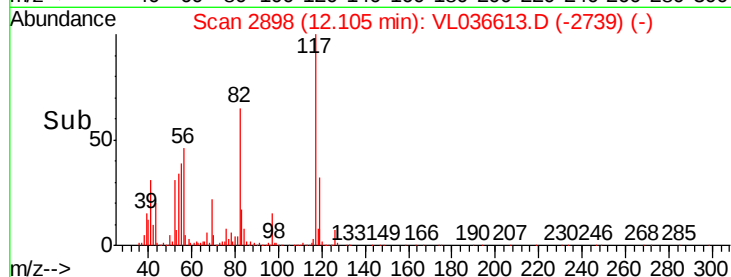
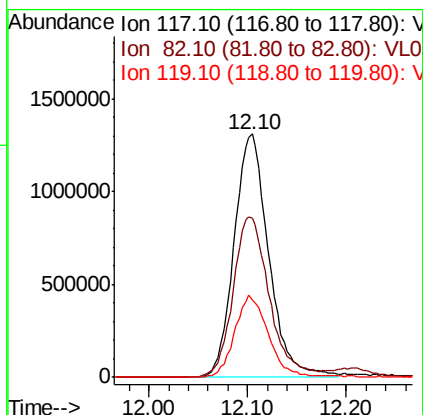
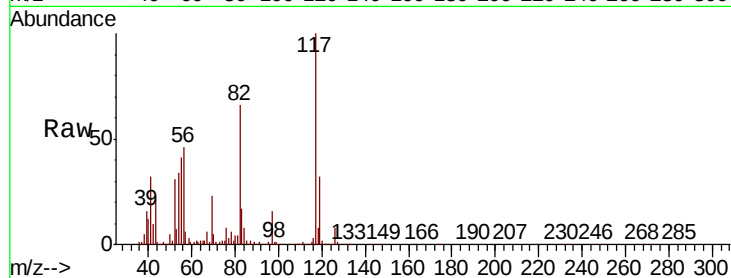
Time-->



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

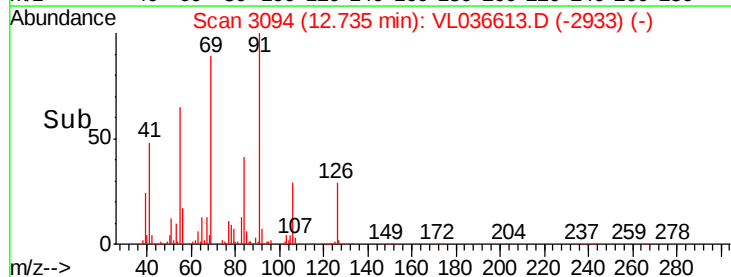
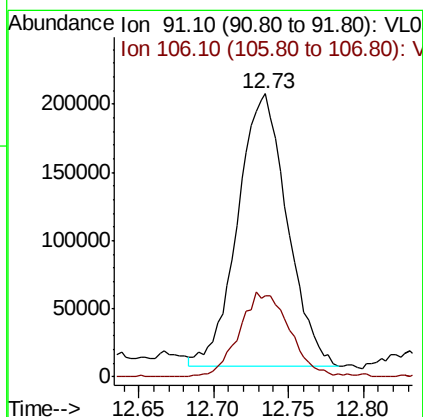
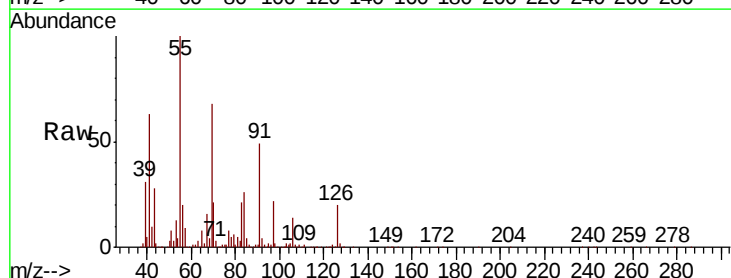
Instrument :
MSVOA_L
ClientSampleId :

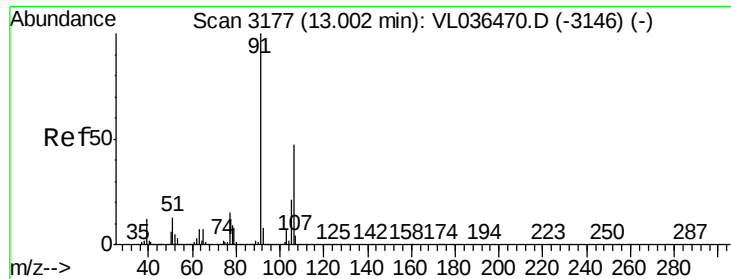
Tot Ion:117 Resp: 3193512
Ion Ratio Lower Upper
117 100
82 69.2 57.4 86.0
119 33.0 47.4 71.0#



#58
Ethyl Benzene
Concen: 0.993 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 91 Resp: 461532
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9

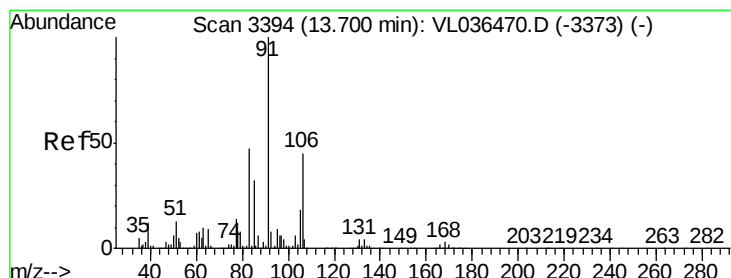
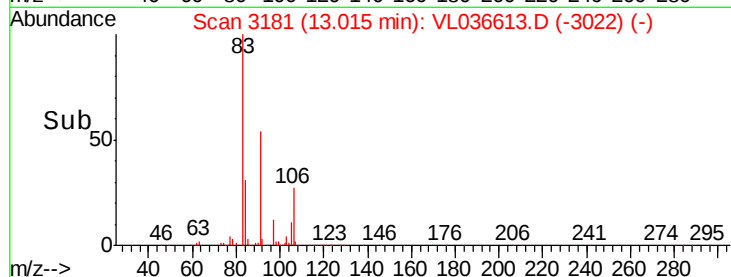
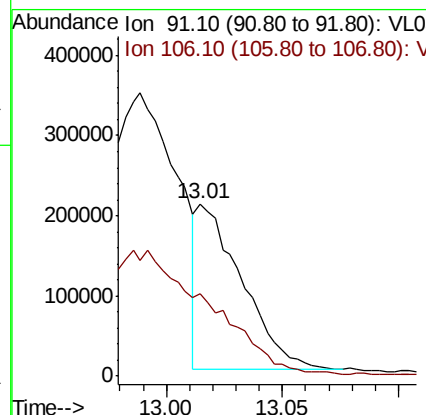
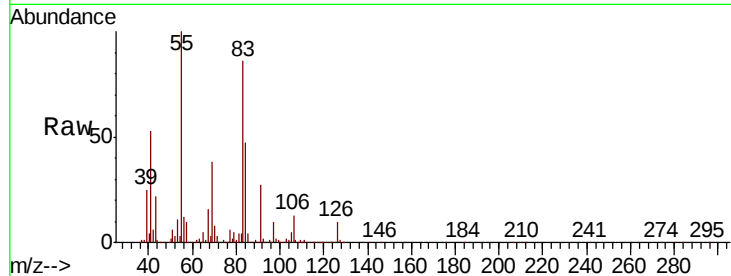




#59
m/p-Xylene
Concen: 0.674 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

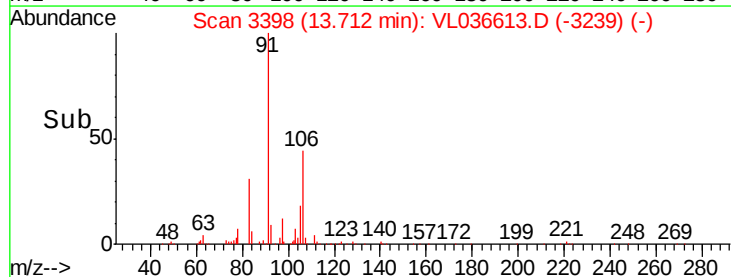
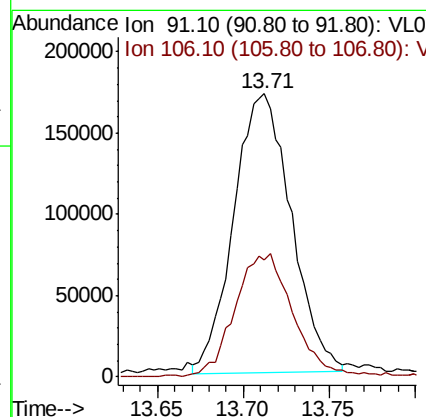
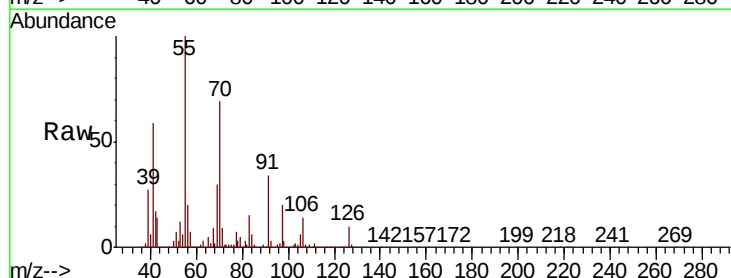
Instrument :
MSVOA_L
ClientSampled :

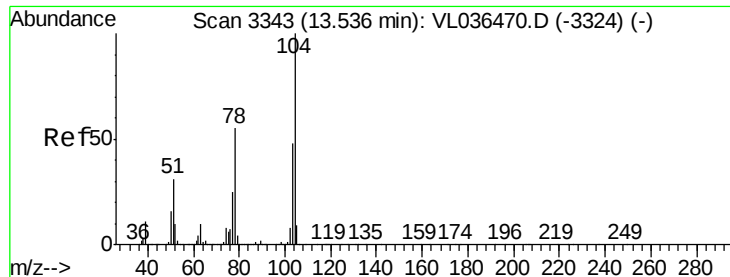
Tot Ion: 91 Resp: 273079
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#



#60
o-Xylene
Concen: 1.019 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 91 Resp: 399290
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9





#61

Stvrene

Concen: 3.346 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

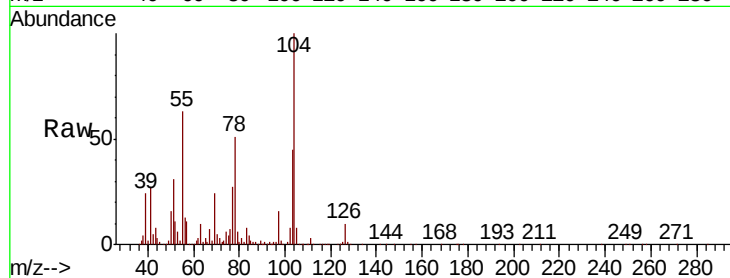
Tot Ion:104 Resp: 659502

Ion Ratio Lower Upper

104 100

78 53.3 43.8 65.8

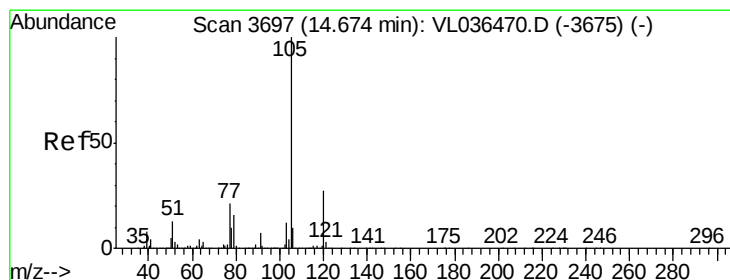
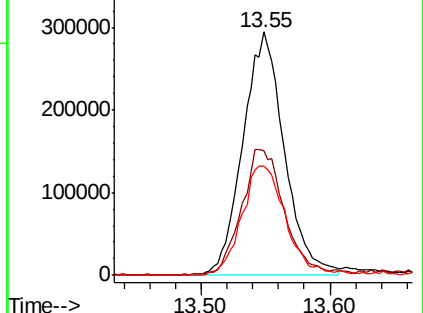
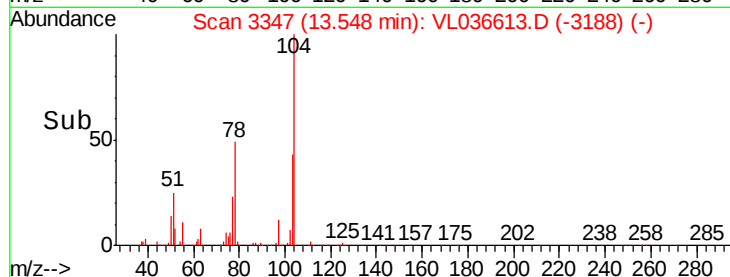
103 49.0 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 20.917 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036613.D

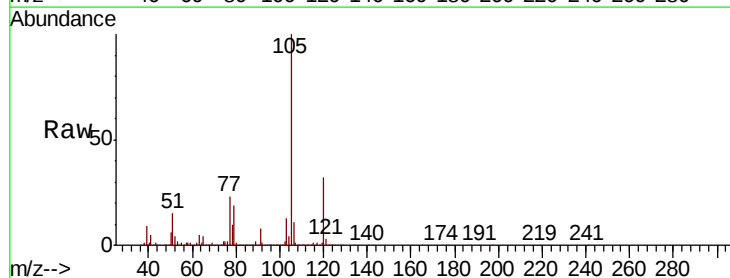
Acq: 31 Mar 2021 22:40

Tgt Ion:105 Resp:11037045

Ion Ratio Lower Upper

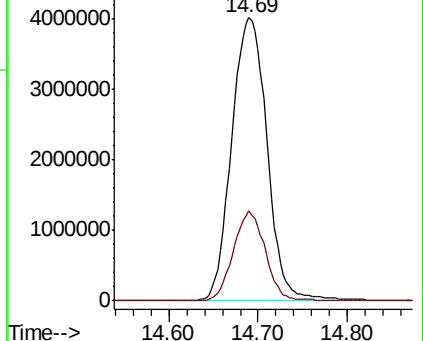
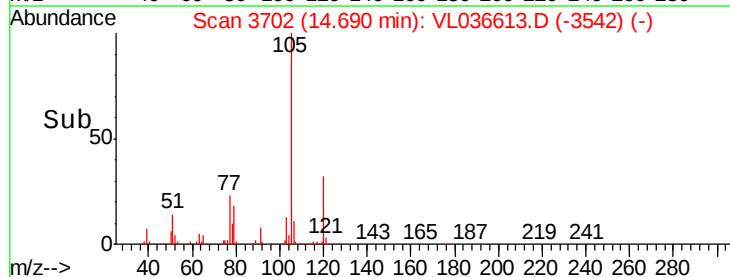
105 100

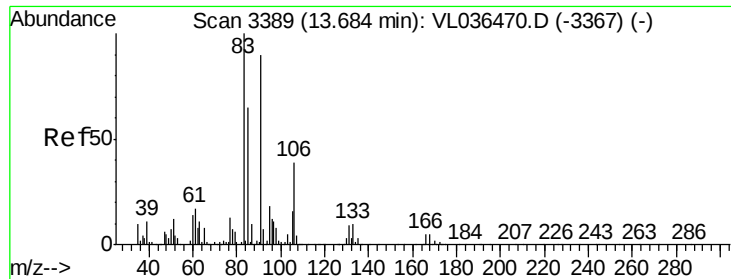
120 28.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.047 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

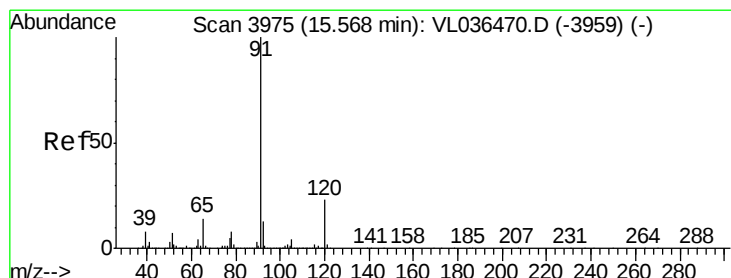
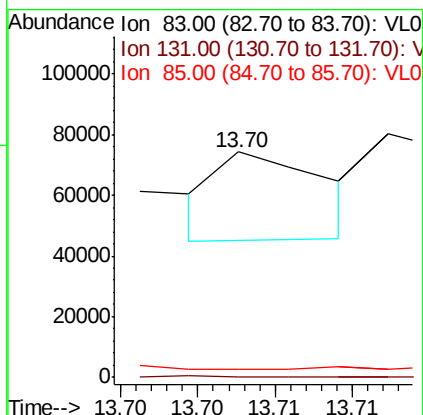
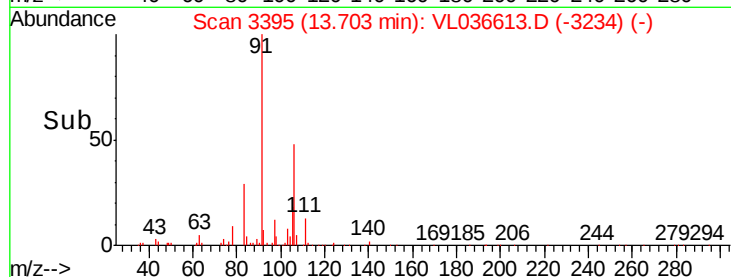
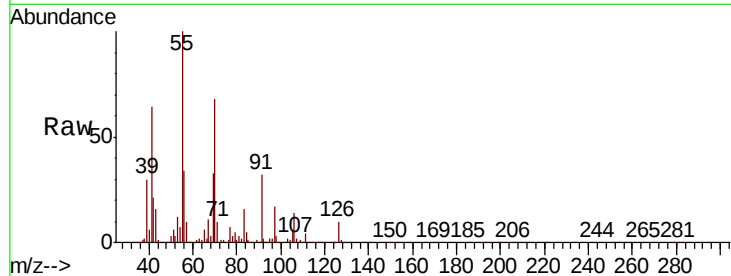
Tot Ion: 83 Resp: 13974

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 0.0 33.1 99.3#



#64

n-propylbenzene

Concen: 0.126 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VL036613.D

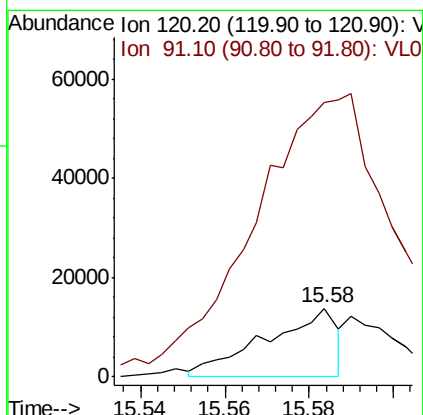
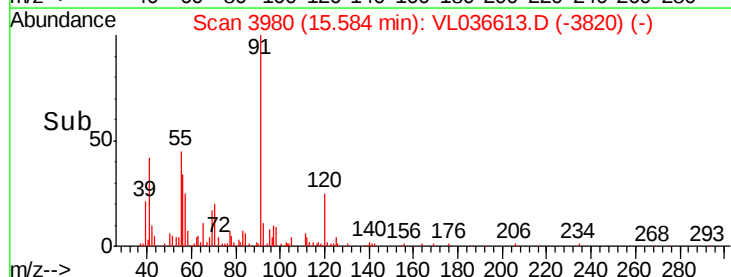
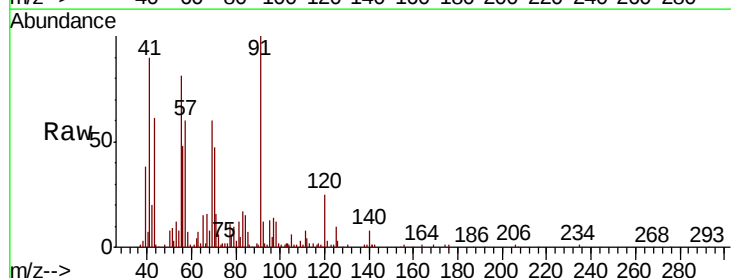
Acq: 31 Mar 2021 22:40

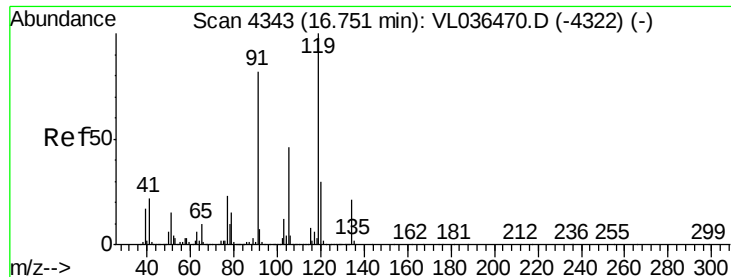
Tgt Ion: 120 Resp: 16200

Ion Ratio Lower Upper

120 100

91 0.0 377.4 566.2#





#65

tert-Butylbenzene

Concen: 0.026 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

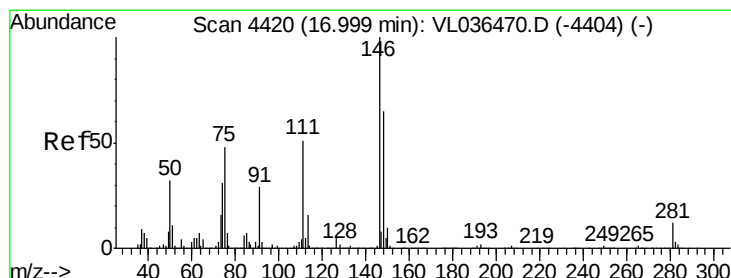
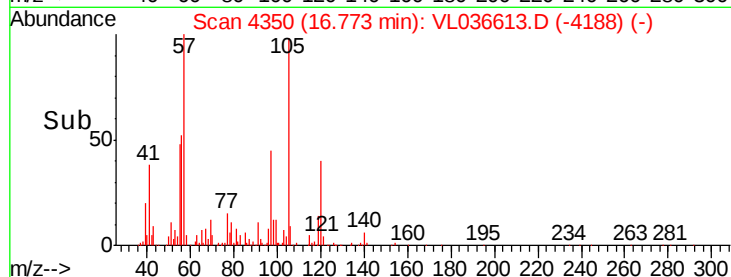
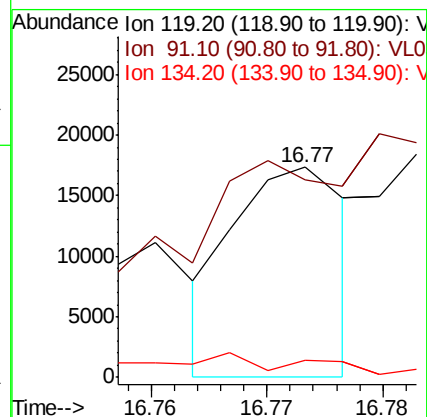
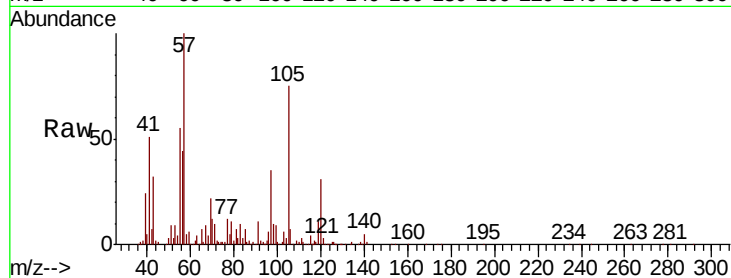
Tot Ion:119 Resp: 11710

Ion Ratio Lower Upper

119 100

91 0.0 67.5 101.3#

134 0.0 15.8 23.8#



#66

Benzyl Chloride

Concen: 0.028 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.03 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

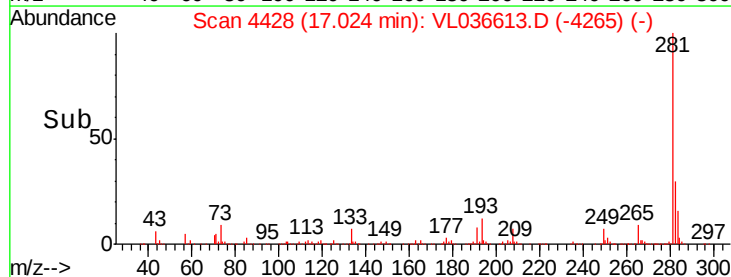
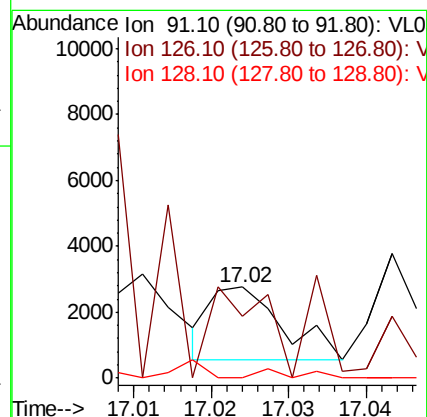
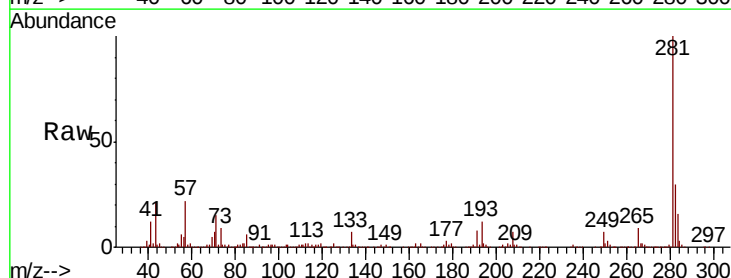
Tgt Ion: 91 Resp: 1414

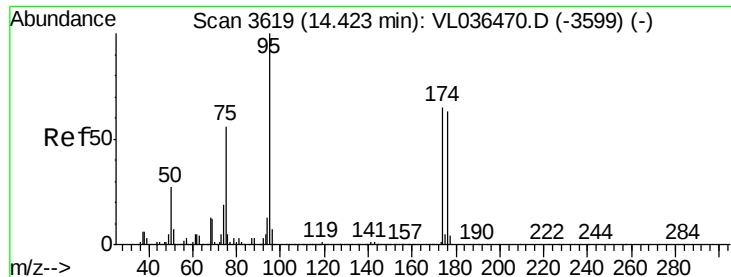
Ion Ratio Lower Upper

91 100

126 0.0 13.5 20.3#

128 32.7 4.2 6.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.794 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

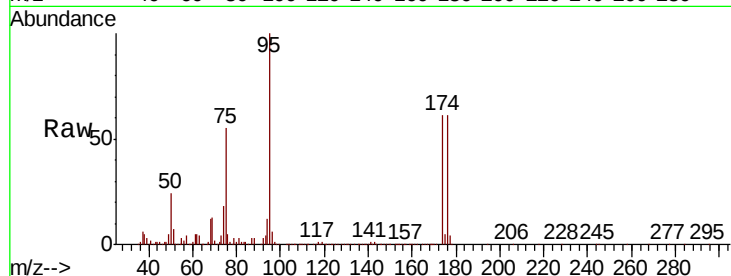
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 95 Resp: 2747459

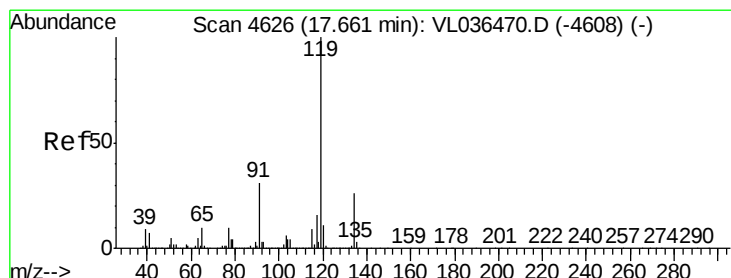
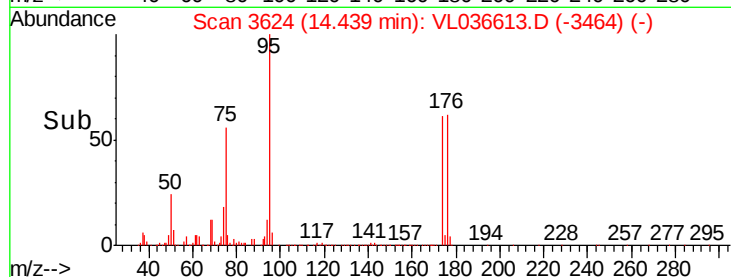
Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.0	76.6
175	4.9	3.9	5.9



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: 0.156 ppbv

RT: 17.68 min Scan# 4631

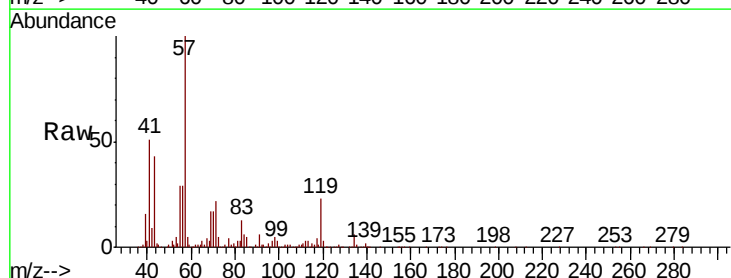
Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion: 119 Resp: 78792

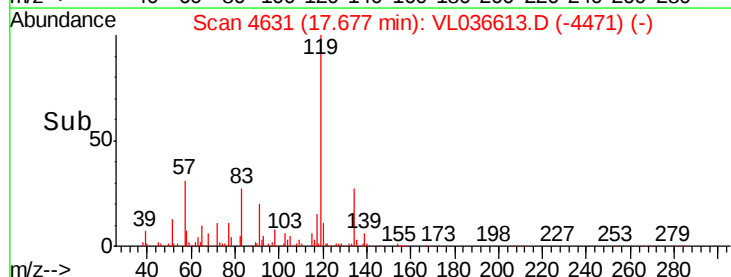
Ion	Ratio	Lower	Upper
119	100		
134	56.1	20.6	30.8#
91	0.0	25.0	37.6#

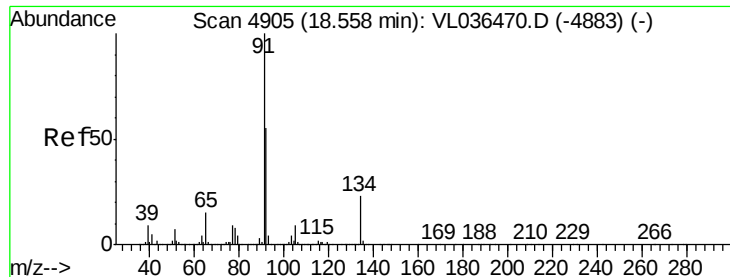


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

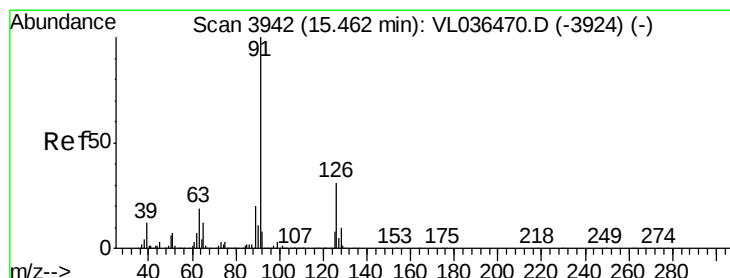
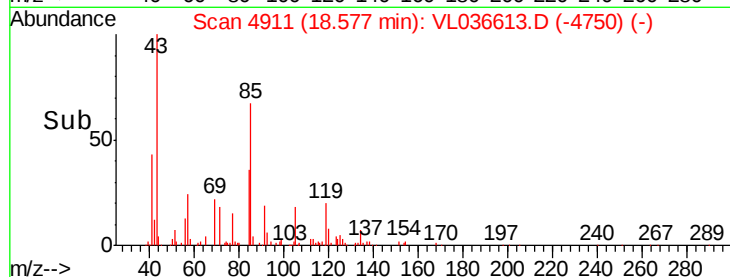
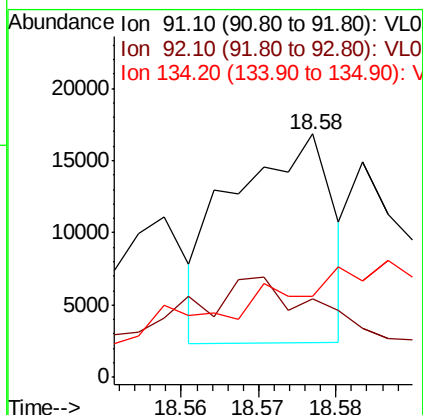
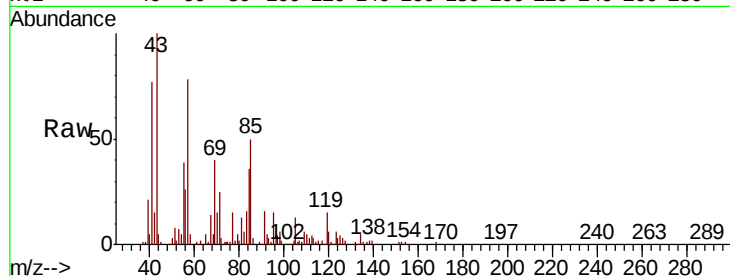




#70
n-Butylbenzene
Concen: 0.025 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.02 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

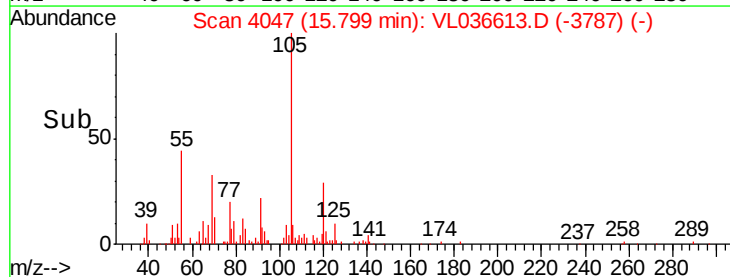
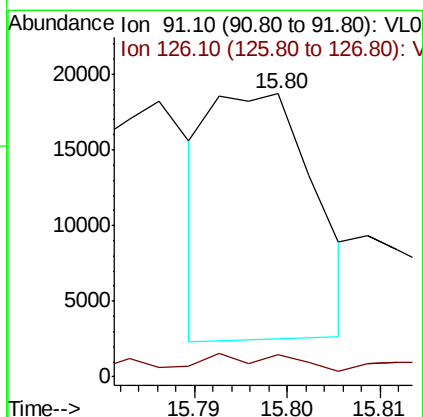
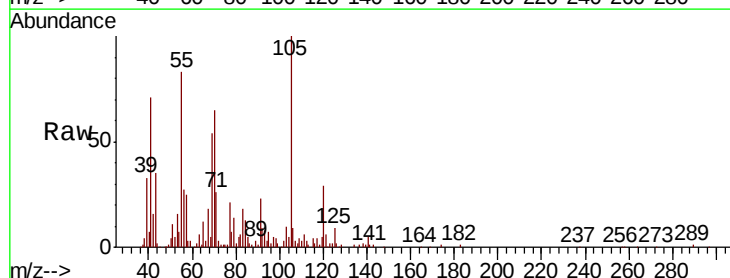
Instrument :
MSVOA_L
ClientSampleId :

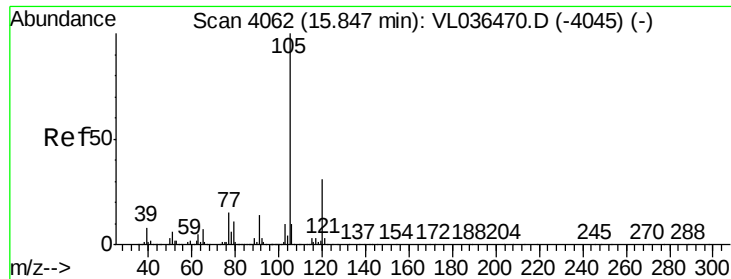
Tot Ion: 91 Resp: 13081
Ion Ratio Lower Upper
91 100
92 115.7 43.8 65.8#
134 0.0 18.0 27.0#



#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 15.80 min Scan# 4047
Delta R.T. 0.34 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 91 Resp: 12600
Ion Ratio Lower Upper
91 100
126 18.8 12.1 48.5





#72

4-Ethyltoluene

Concen: 0.304 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. 0.01 min

Lab File: VL036613.D

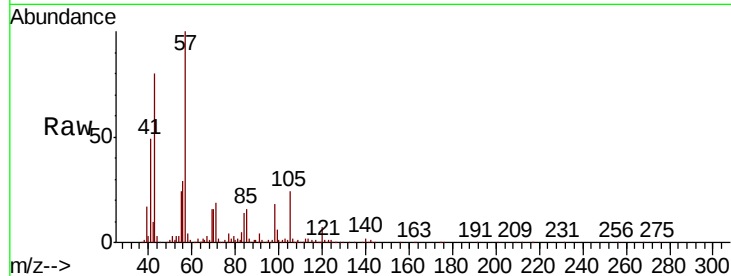
Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	130506
Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.0	36.0
91	16.2	11.0	16.4
77	19.1	11.7	17.5

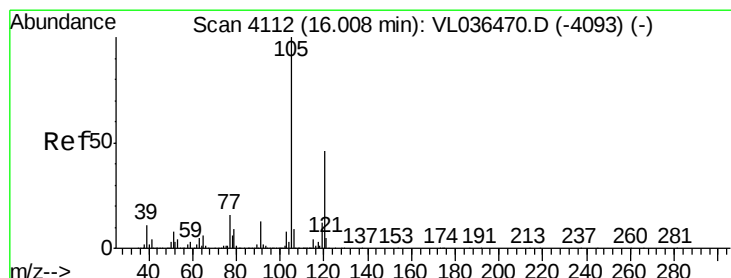
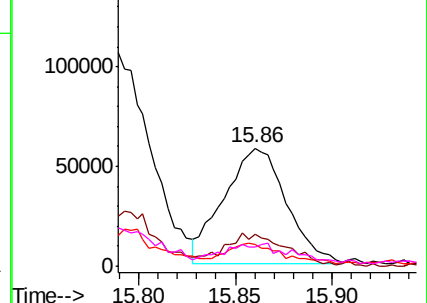
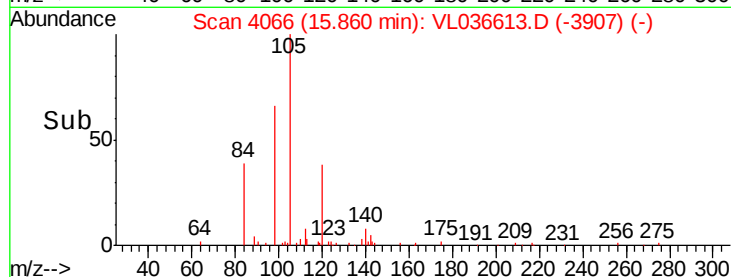


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.225 ppbv

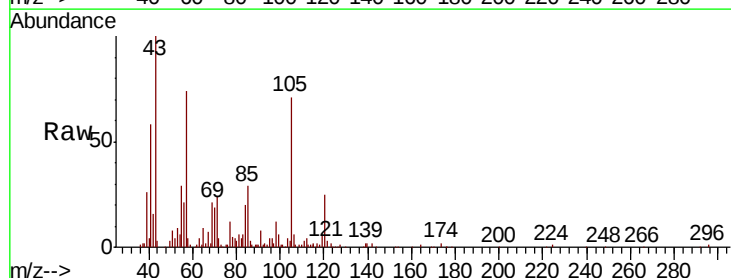
RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL036613.D

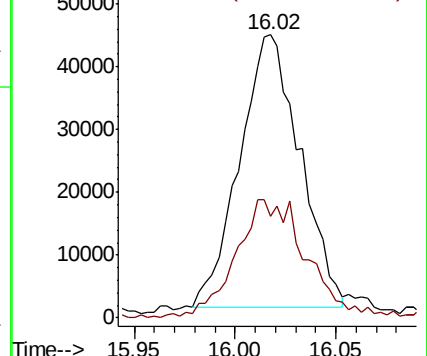
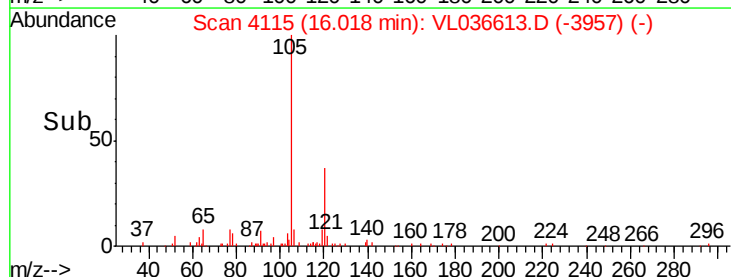
Acq: 31 Mar 2021 22:40

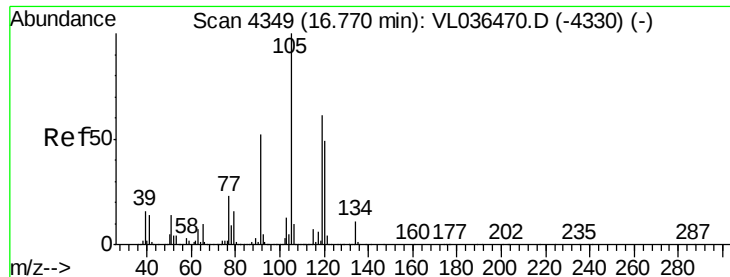
Tgt Ion:	105	Resp:	90150
Ion	Ratio	Lower	Upper
105	100		
120	36.3	36.6	54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.748 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036613.D

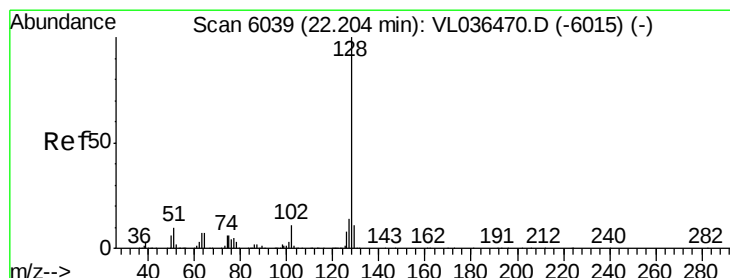
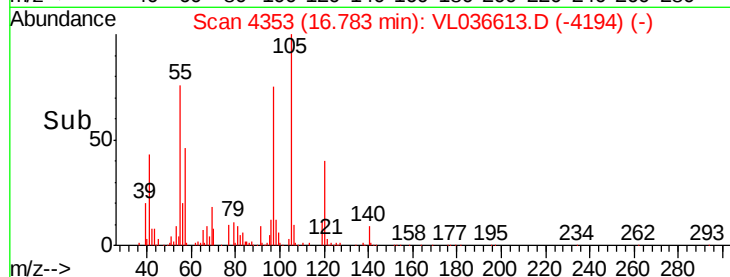
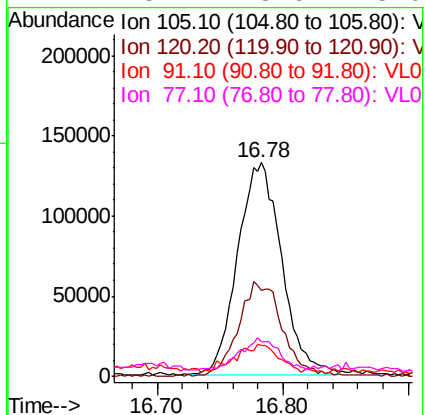
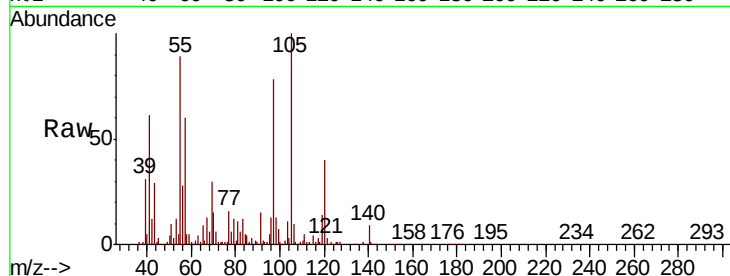
Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	320969
Ion	Ratio	Lower	Upper
105	100		
120	39.8	39.2	58.8
91	12.2	42.6	64.0#
77	13.4	18.6	28.0#



#79

Naphthalene

Concen: 0.021 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.03 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion:	128	Resp:	5194
Ion	Ratio	Lower	Upper
128	100		
127	0.9	10.9	16.3#
129	0.0	9.0	13.4#

