

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035083.D
 Acq On : 22 May 2020 14:04
 Operator : SY/AP
 Sample : L2739-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 22 23:13:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1054485	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2480081	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2348682	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2020659	10.63	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	30493	0.204	ppbv 95
3) Chlorodifluoromethane	2.92	51	337294	2.802	ppbv # 63
4) Chloromethane	3.09	50	38549	0.559	ppbv 98
9) Propene	2.97	41	61182	1.171	ppbv # 73
10) Heptane	8.12	43	93061	0.711	ppbv 97
11) Trichlorofluoromethane	3.91	101	39057	0.253	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	7399	0.067	ppbv 85
13) Ethanol	3.57	45	3924536	227.655	ppbv 98
15) Acetone	3.84	43	9227650	66.192	ppbv # 62
16) 1,3-Butadiene	3.26	39	24810	0.414	ppbv # 24
17) tert-Butyl alcohol	4.28	59	89974	0.725	ppbv # 71
19) Isopropyl Alcohol	3.94	45	7082671	76.183	ppbv 99
20) Methylene Chloride	4.31	84	539223	11.685	ppbv 94
21) Allyl Chloride	4.10	41	8183910	103.929	ppbv # 60
23) Vinyl Acetate	5.04	43	121429	0.687	ppbv # 1
25) Ethyl Acetate	5.65	43	1263829	5.397	ppbv 98
26) Hexane	5.67	57	658146	6.483	ppbv 87
27) Carbon Disulfide	4.52	76	192632	1.610	ppbv 98
29) Chloroform	5.73	83	32111	0.193	ppbv 88
30) Cyclohexane	7.12	84	45743	0.584	ppbv # 1
31) cis-1,2-Dichloroethene	5.65	61	112675	1.138	ppbv # 25
34) 2-Butanone	5.22	43	351556	2.281	ppbv 98
35) Carbon Tetrachloride	7.02	117	10711	0.068	ppbv # 67
36) Benzene	6.88	78	77156	0.377	ppbv 94
37) 1,2-Dichloroethane	6.29	62	40176	0.319	ppbv # 82
39) 1,2-Dichloropropane	7.60	63	11458	0.140	ppbv 95
41) Tetrahydrofuran	6.04	42	61972	0.764	ppbv 99
43) Methyl Methacrylate	8.01	69	3889	0.045	ppbv # 1
44) 2,2,4-Trimethylpentane	7.86	57	68488	0.188	ppbv # 47
50) 4-Methyl-2-Pentanone	8.75	43	141064	0.642	ppbv 97
51) 2-Hexanone	10.11	43	85072	0.495	ppbv # 29
52) Tetrachloroethene	11.23	164	8647	0.119	ppbv 89
53) Toluene	9.81	91	5358674	24.722	ppbv 97
58) Ethyl Benzene	12.72	91	990241	3.410	ppbv 99
59) m/p-Xylene	12.98	91	1395747	5.462	ppbv # 58
60) o-Xylene	13.71	91	506411	2.008	ppbv 99
61) Styrene	13.55	104	675221	4.231	ppbv 99
62) Isopropylbenzene	14.69	105	16891	0.045	ppbv # 43
72) 4-Ethyltoluene	15.85	105	17028	0.061	ppbv # 60
73) 1,3,5-Trimethylbenzene	16.02	105	9013	0.033	ppbv # 11
74) 1,2,4-Trimethylbenzene	16.78	105	36621	0.123	ppbv # 76

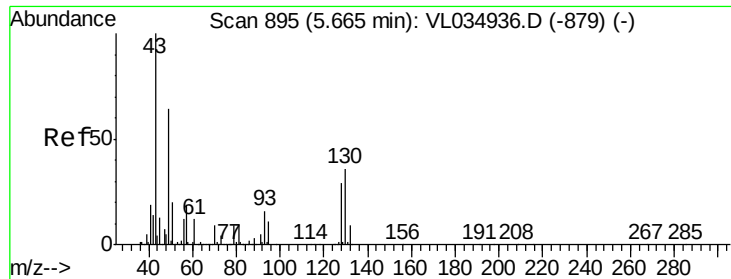
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
Data File : VL035083.D
Acq On : 22 May 2020 14:04
Operator : SY/AP
Sample : L2739-01
Misc : 400ml/MSVOA L
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Instrument :
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Quant Time: May 22 23:13:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.02	142	1769	0.031	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

ClientSampleId :

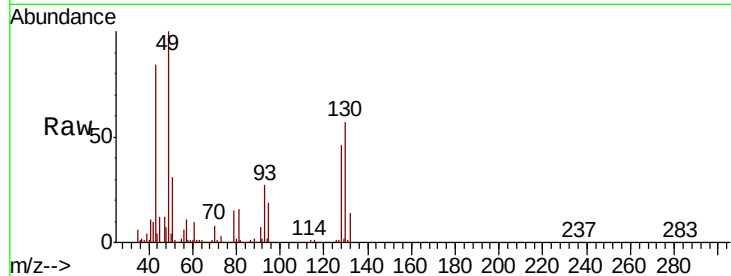
Tot Ion: 49 Resp: 1054485

Ion Ratio Lower Upper

49 100

128 45.6 22.1 66.5

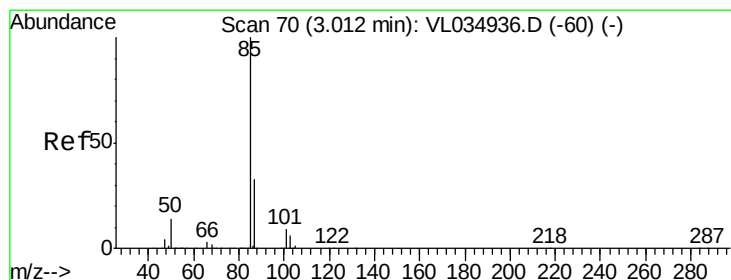
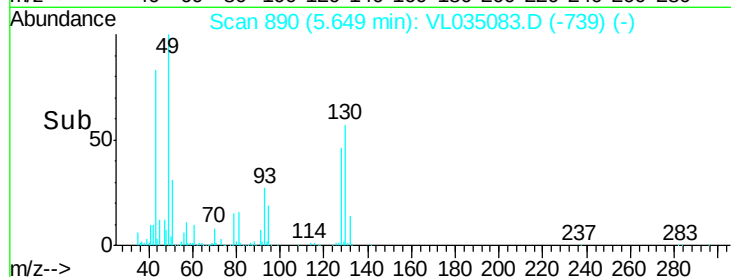
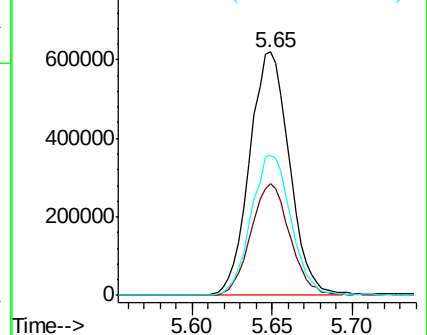
130 58.3 29.1 87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.204 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035083.D

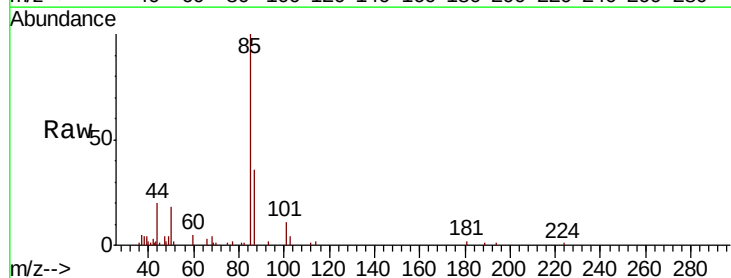
Acq: 22 May 2020 14:04

Tgt Ion: 85 Resp: 30493

Ion Ratio Lower Upper

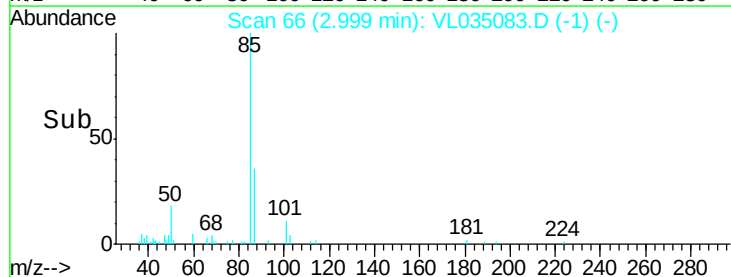
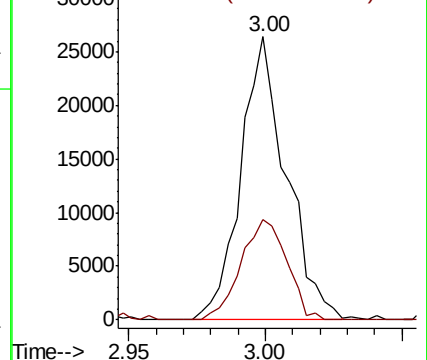
85 100

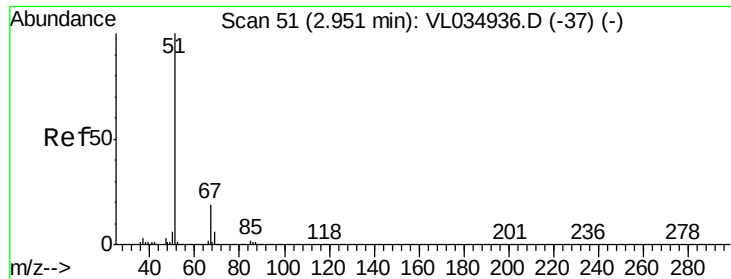
87 35.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

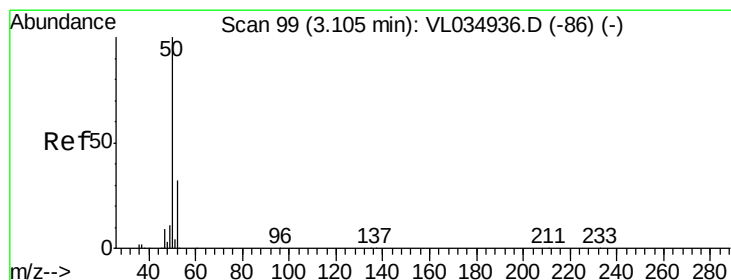
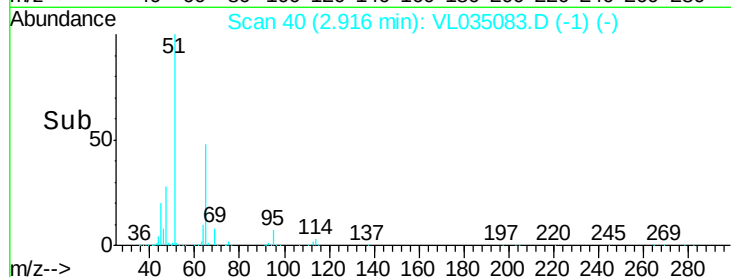
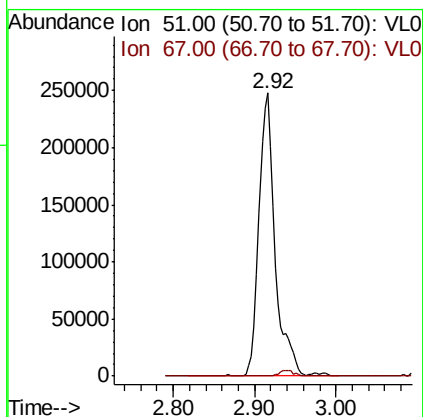
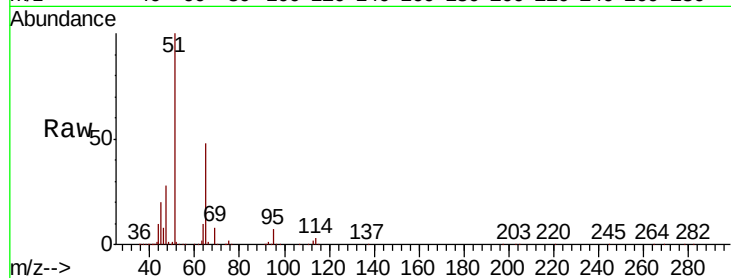




#3
Chlorodifluoromethane
Concen: 2.802 ppbv
RT: 2.92 min Scan# 40
Delta R.T. -0.04 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

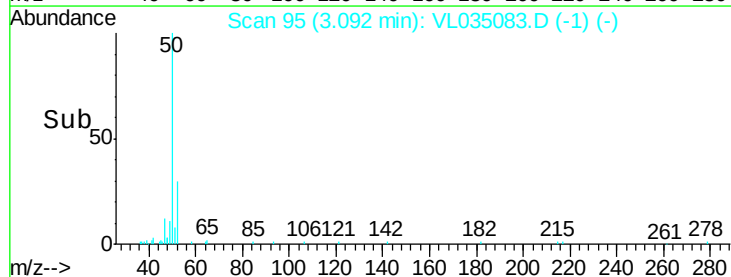
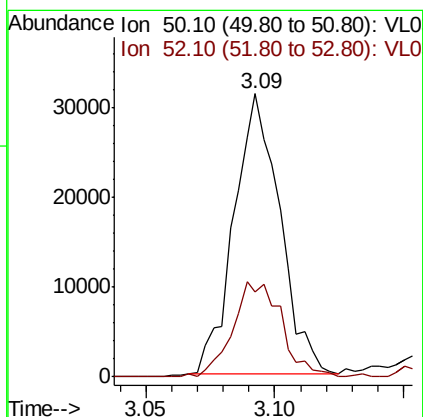
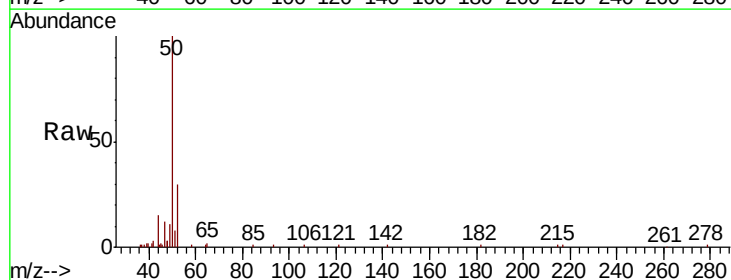
Instrument :
MSVOA_L
ClientSampled :

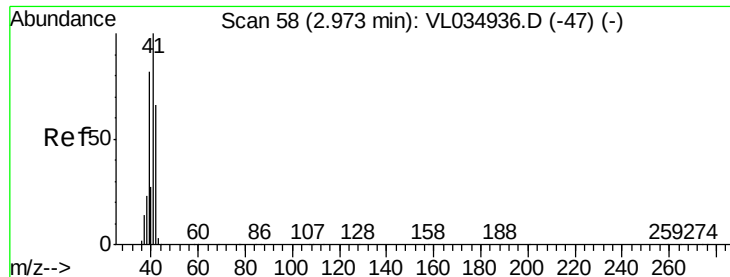
Tot Ion: 51 Resp: 337294
Ion Ratio Lower Upper
51 100
67 2.0 15.0 22.6#



#4
Chloromethane
Concen: 0.559 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 50 Resp: 38549
Ion Ratio Lower Upper
50 100
52 30.5 25.4 38.2





#9

Propene

Concen: 1.171 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

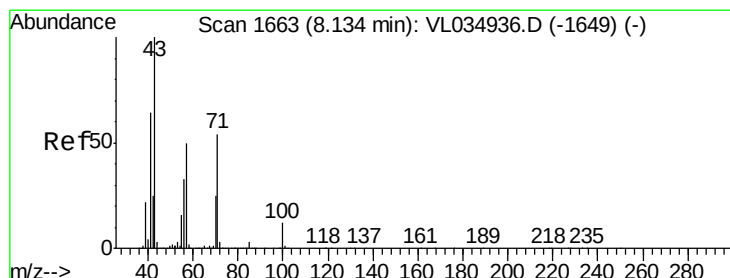
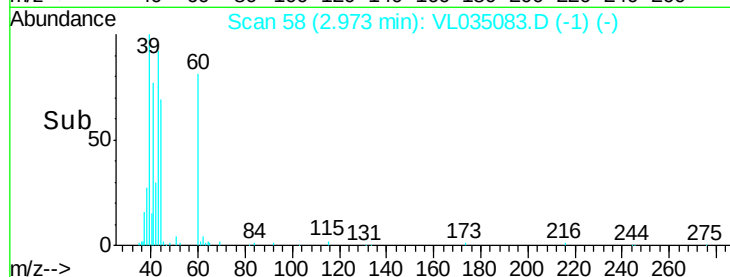
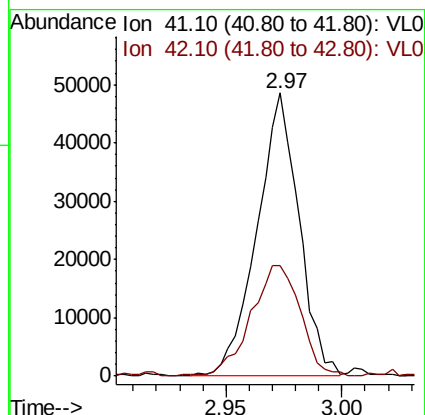
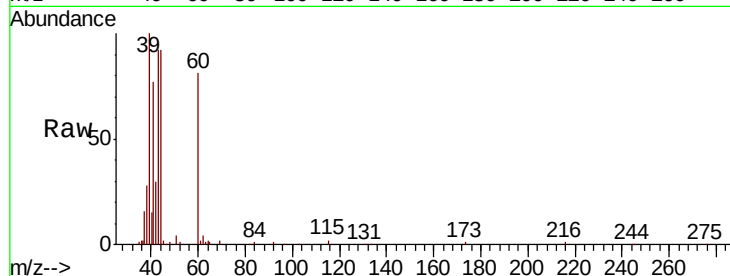
ClientSampleId :

Tot Ion: 41 Resp: 61182

Ion Ratio Lower Upper

41 100

42 46.2 54.5 81.7#



#10

Heptane

Concen: 0.711 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035083.D

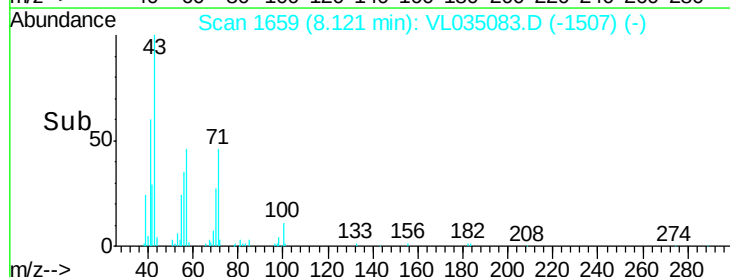
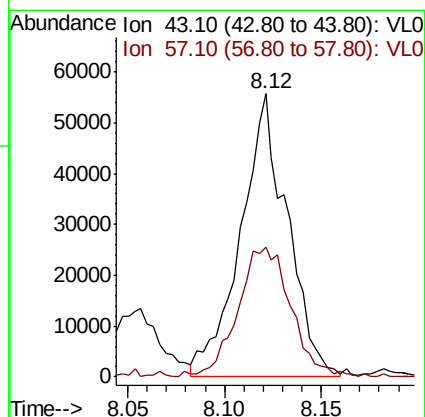
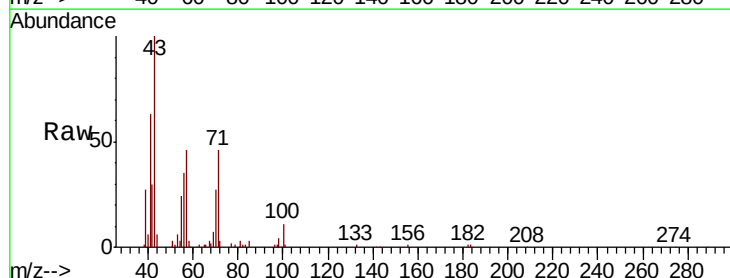
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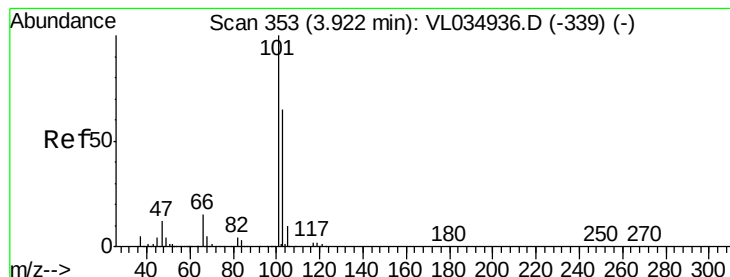
Tgt Ion: 43 Resp: 93061

Ion Ratio Lower Upper

43 100

57 53.8 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.01 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

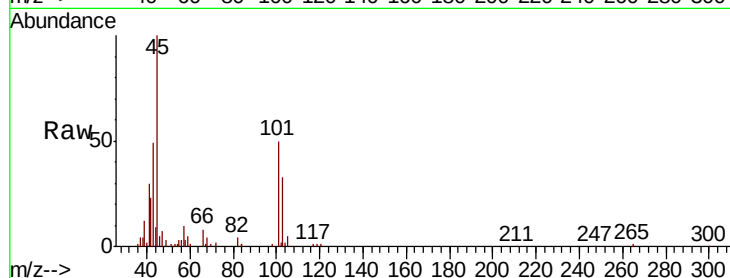
ClientSampleId :

Tot Ion:101 Resp: 39057

Ion Ratio Lower Upper

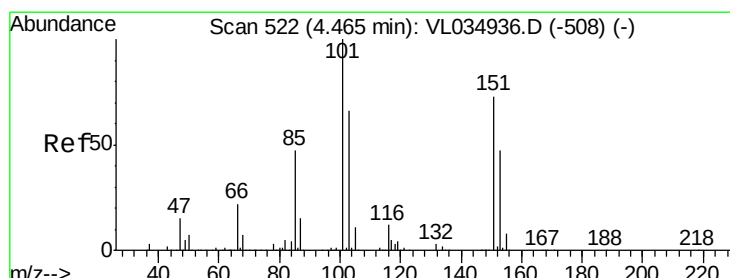
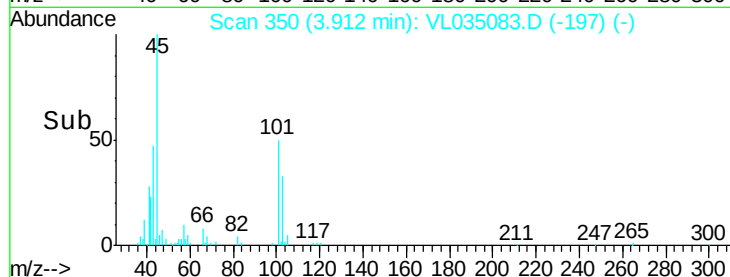
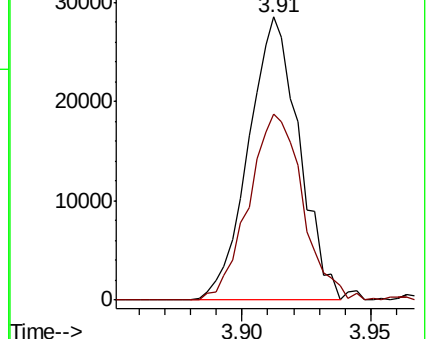
101 100

103 65.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.067 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL035083.D

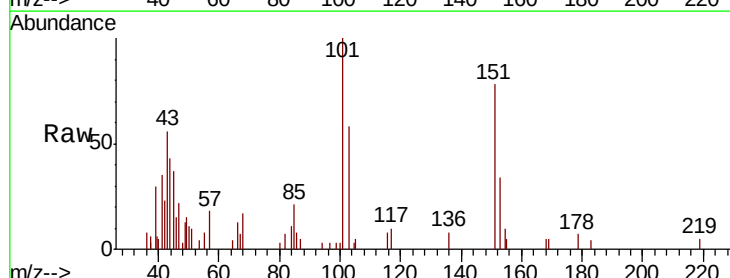
Acq: 22 May 2020 14:04

Tgt Ion:101 Resp: 7399

Ion Ratio Lower Upper

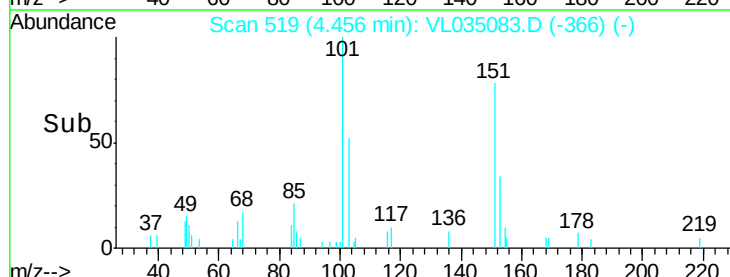
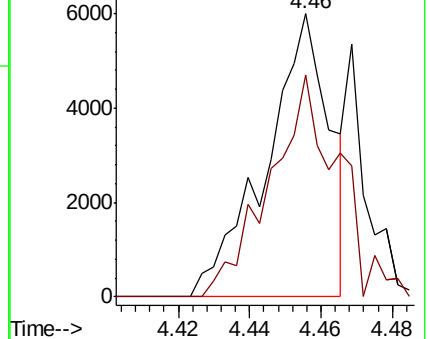
101 100

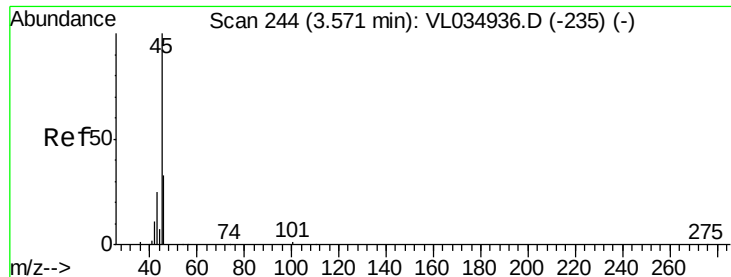
151 84.5 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

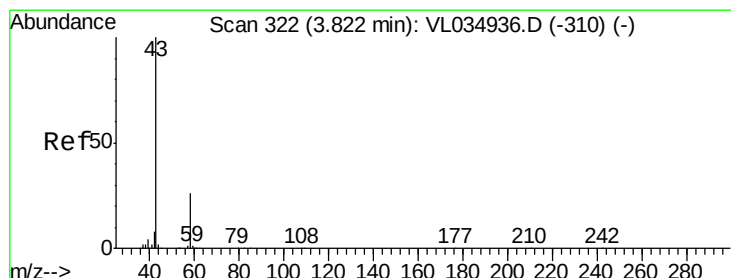
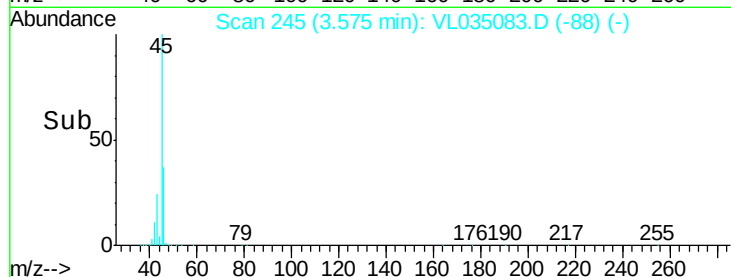
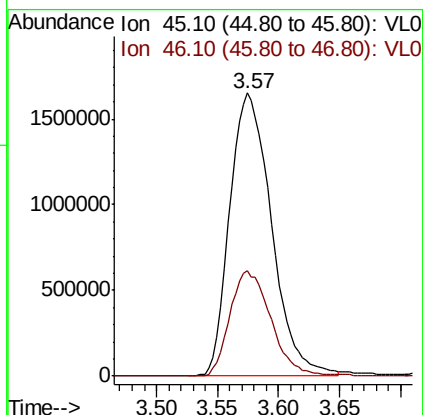
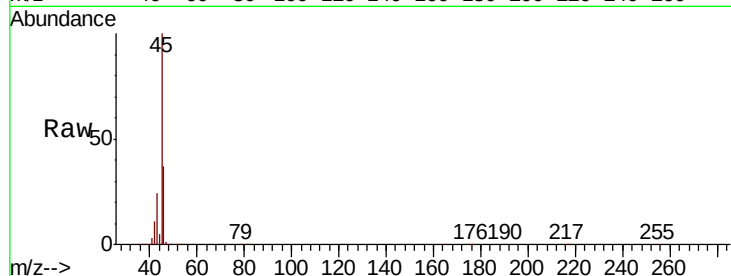




#13
Ethanol
Concen: 227.655 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

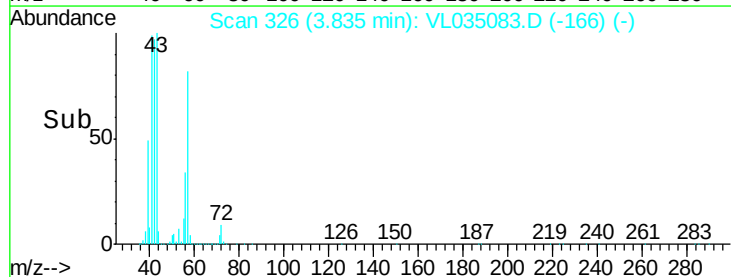
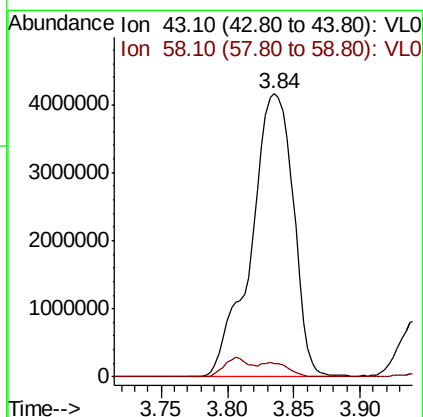
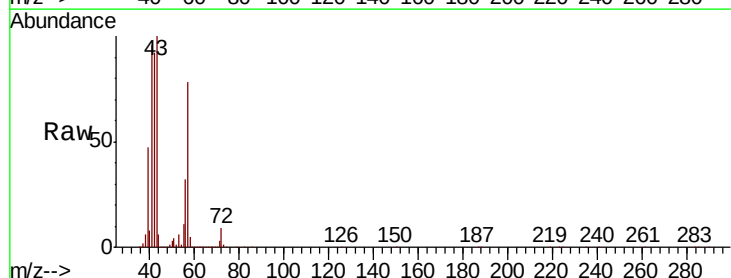
Instrument :
MSVOA_L
ClientSampleId :

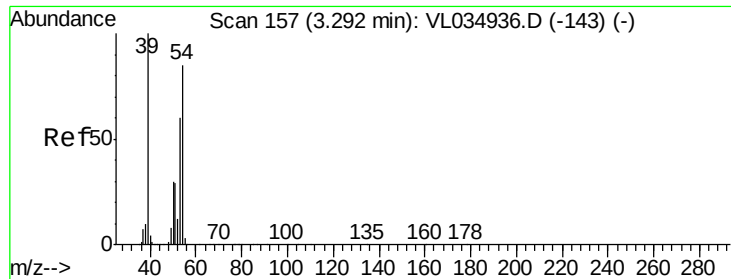
Tot Ion: 45 Resp: 3924536
Ion Ratio Lower Upper
45 100
46 37.2 14.3 57.3



#15
Acetone
Concen: 66.192 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 43 Resp: 9227650
Ion Ratio Lower Upper
43 100
58 7.6 21.7 32.5#

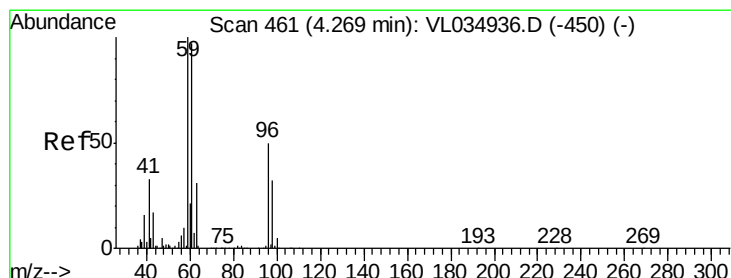
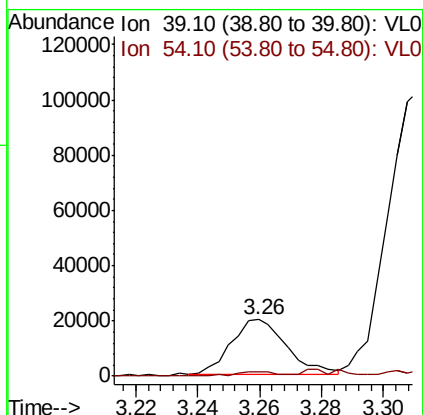
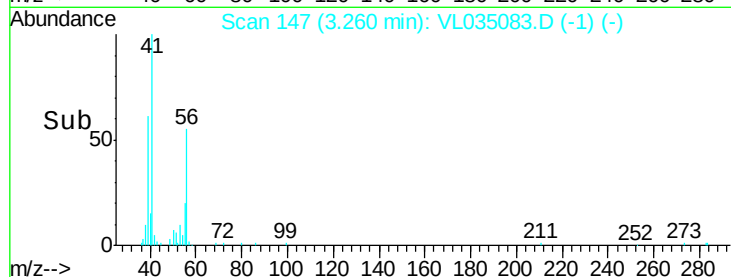
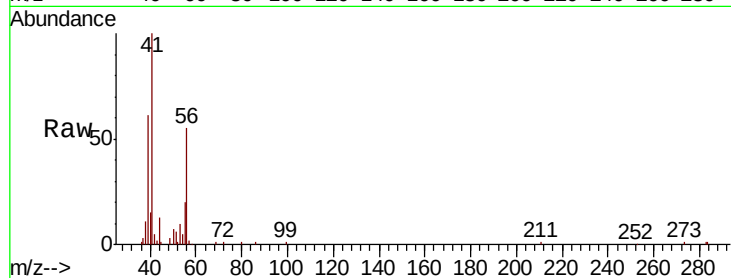




#16
1,3-Butadiene
Concen: 0.414 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

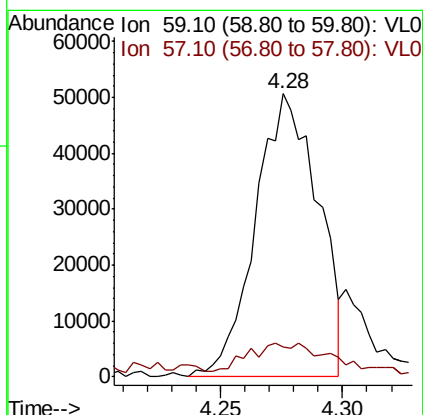
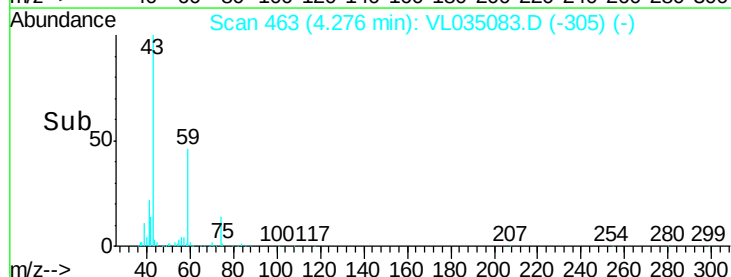
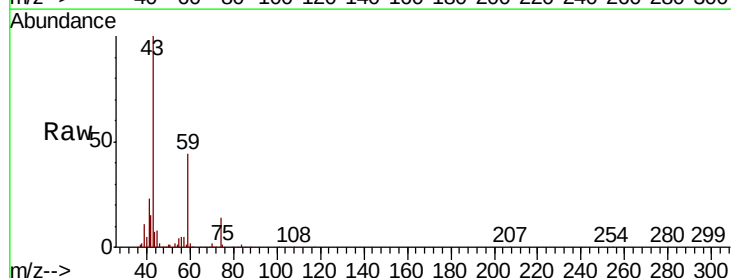
Instrument :
MSVOA_L
ClientSampled :

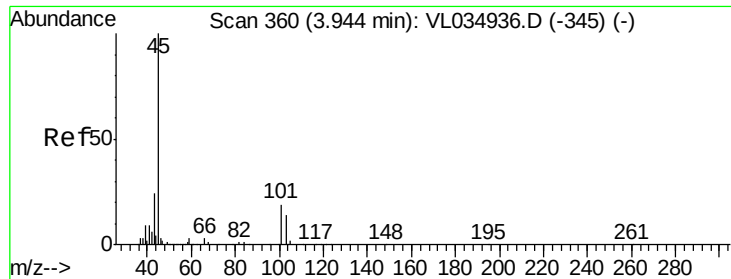
Tot Ion: 39 Resp: 24810
Ion Ratio Lower Upper
39 100
54 14.4 66.6 100.0#



#17
tert-Butyl alcohol
Concen: 0.725 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 59 Resp: 89974
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



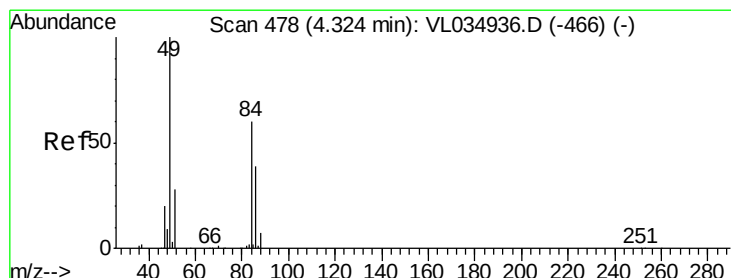
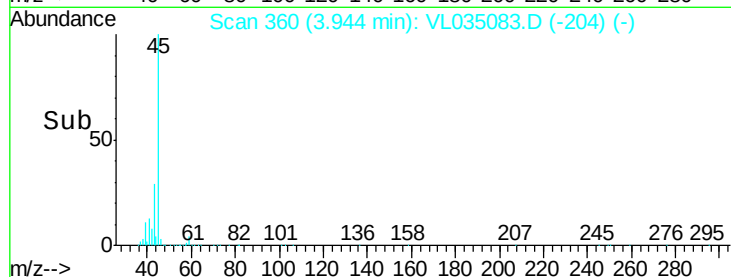
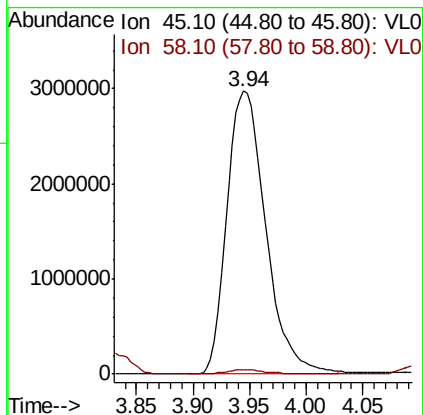
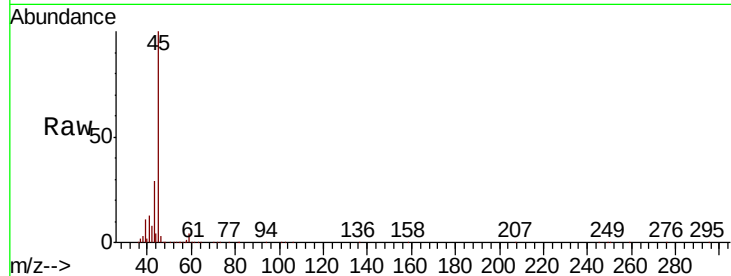


#19

Isopropyl Alcohol
 Concen: 76.183 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

Instrument :
 MSVOA_L
 ClientSampleId :

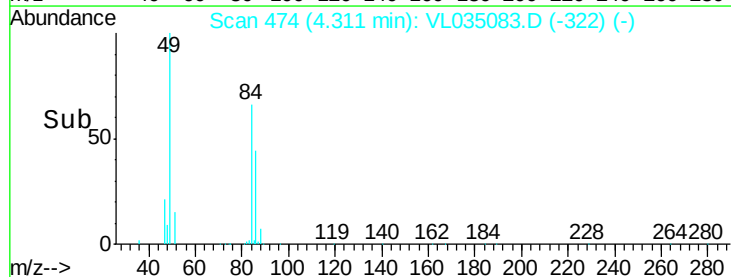
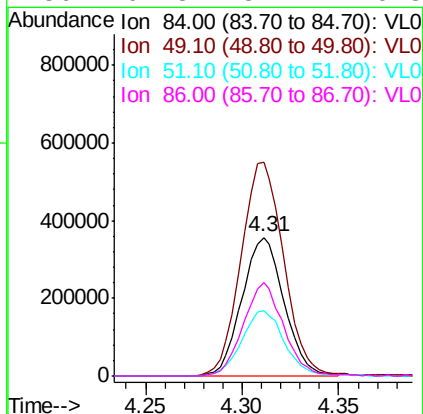
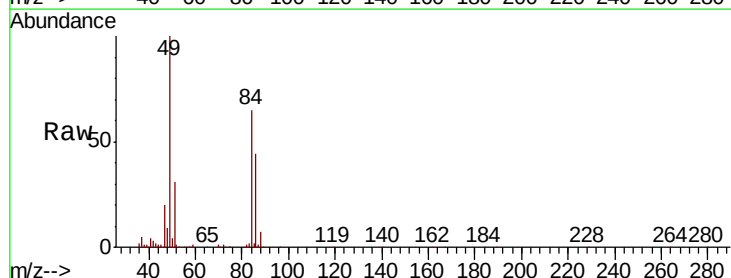
Tot Ion: 45 Resp: 7082671
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.7 2.5

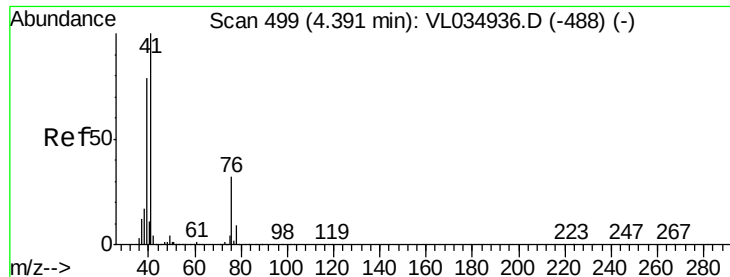


#20

Methylene Chloride
 Concen: 11.685 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

Tgt Ion: 84 Resp: 539223
 Ion Ratio Lower Upper
 84 100
 49 154.3 132.5 198.7
 51 47.5 38.4 57.6
 86 67.8 51.2 76.8

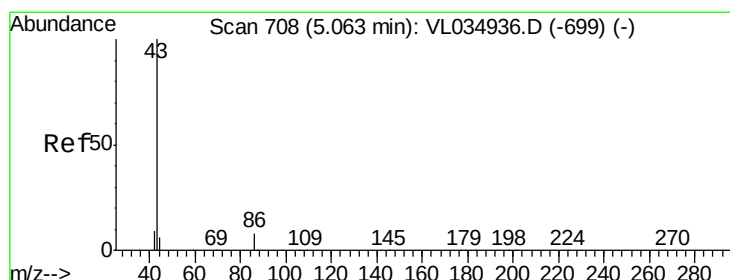
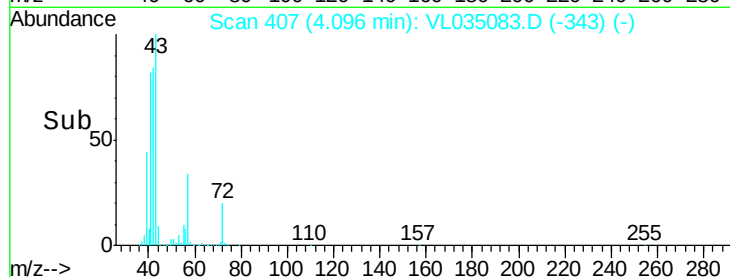
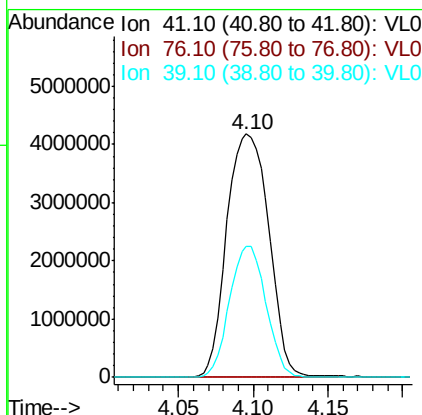
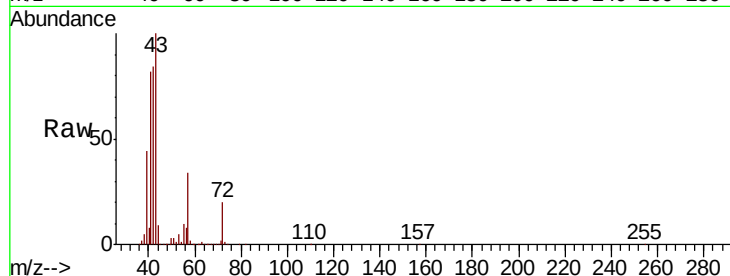




#21
Allvl Chloride
Concen: 103.929 ppbv
RT: 4.10 min Scan# 407
Delta R.T. -0.30 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

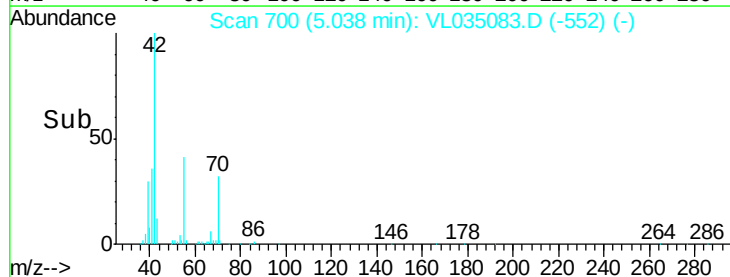
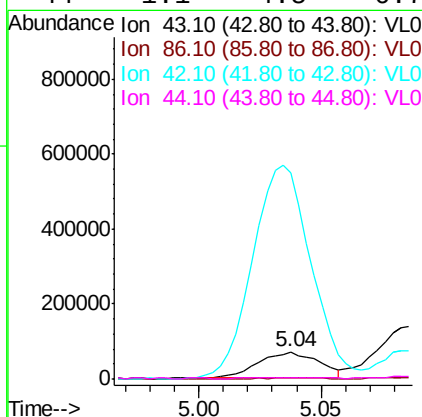
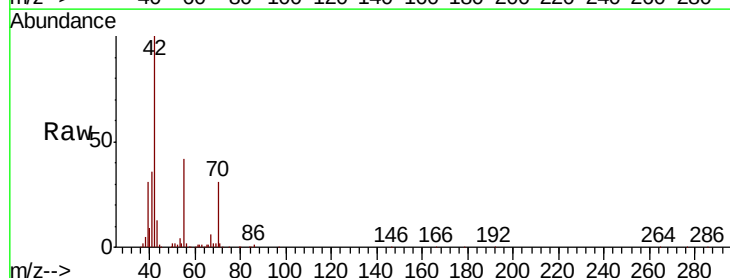
Instrument :
MSVOA_L
ClientSampled :

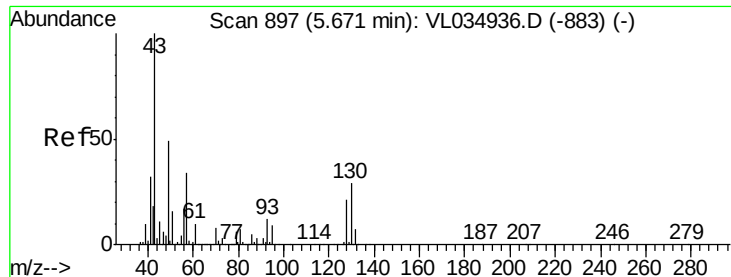
Tot Ion: 41 Resp: 8183910
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 47.1 61.9 92.9#



#23
Vinyl Acetate
Concen: 0.687 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.03 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 43 Resp: 121429
Ion Ratio Lower Upper
43 100
86 5.5 5.5 8.3#
42 772.5 8.0 12.0#
44 1.1 4.5 6.7#



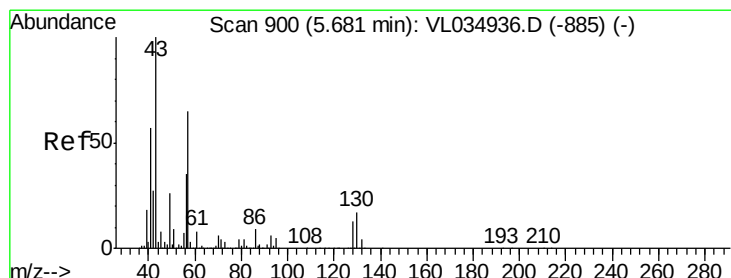
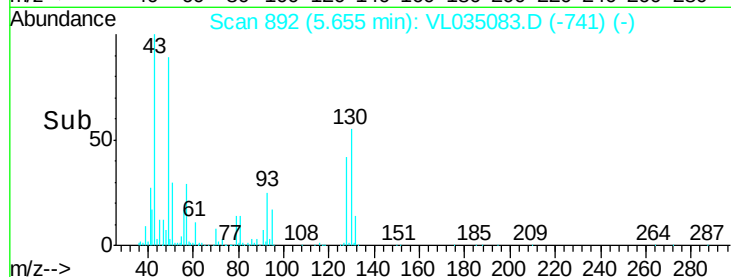
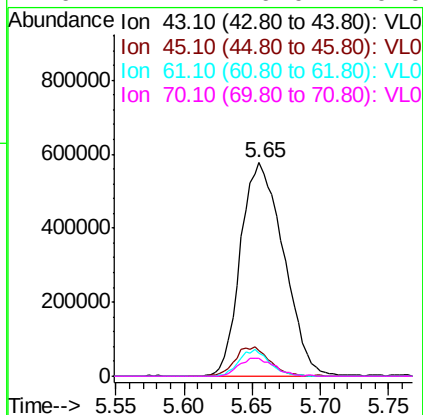
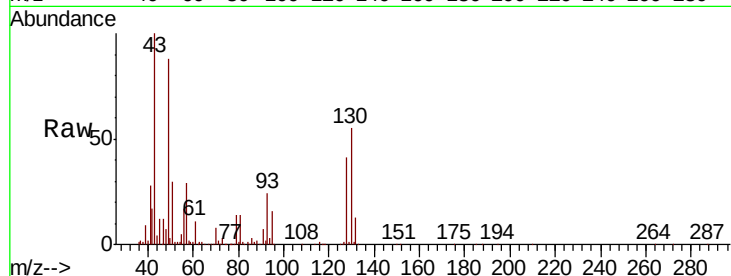


#25
Ethyl Acetate
Concen: 5.397 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1263829

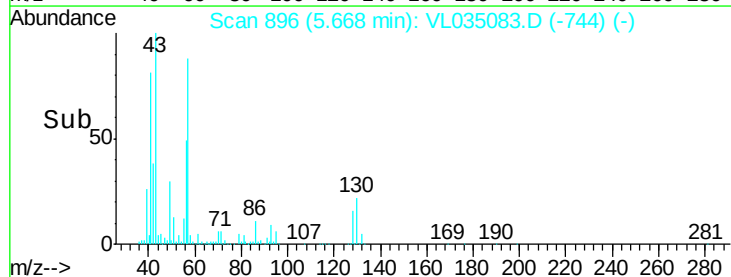
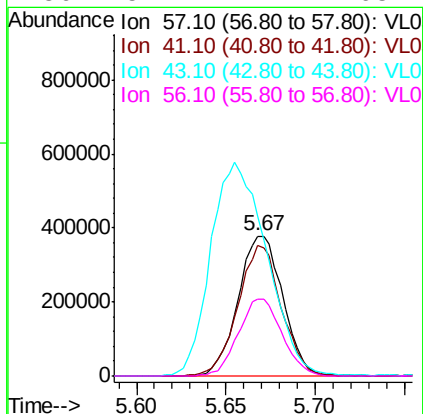
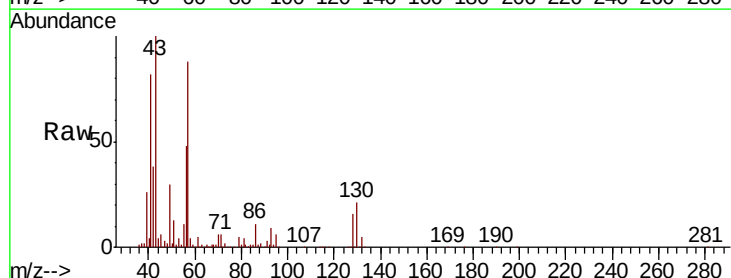
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.1	12.1
61	9.0	7.8	11.8
70	7.1	6.0	9.0

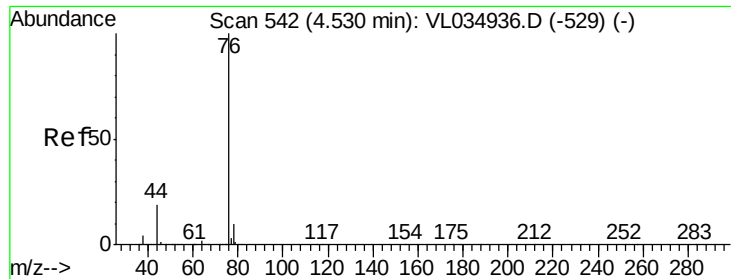


#26
Hexane
Concen: 6.483 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 57 Resp: 658146

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.7	109.1
43	193.5	182.1	273.1
56	54.2	42.2	63.2





#27

Carbon Disulfide

Concen: 1.610 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

ClientSampleId :

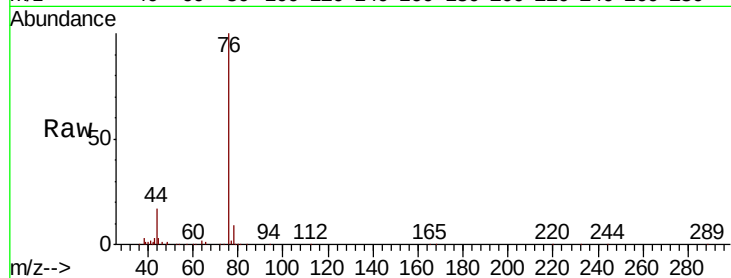
Tot Ion: 76 Resp: 192632

Ion Ratio Lower Upper

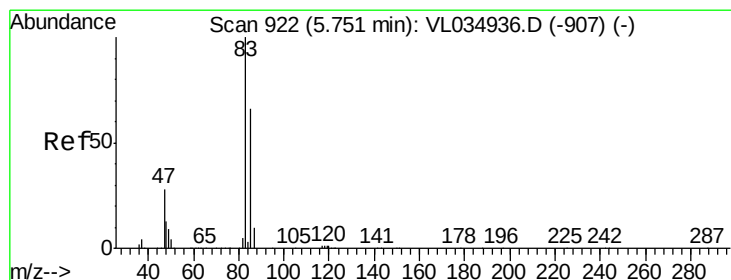
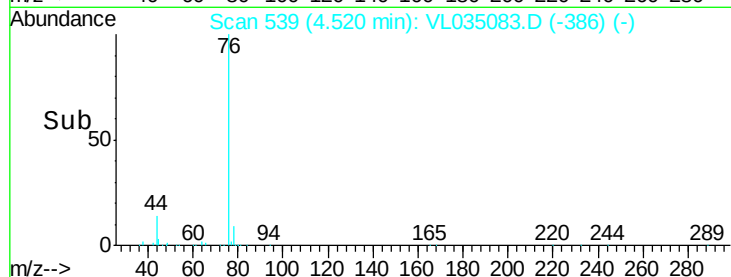
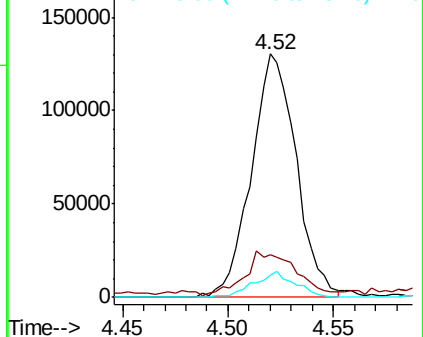
76 100

44 17.7 15.2 22.8

78 9.9 7.7 11.5



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: 0.193 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035083.D

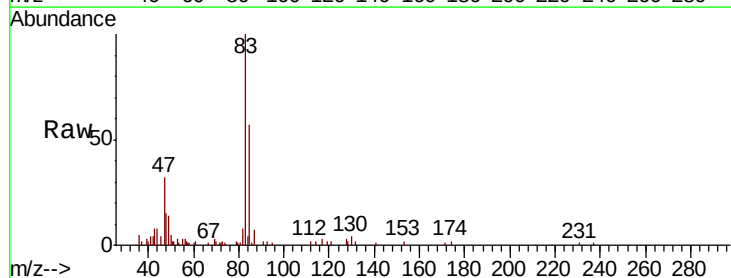
Acq: 22 May 2020 14:04

Tgt Ion: 83 Resp: 32111

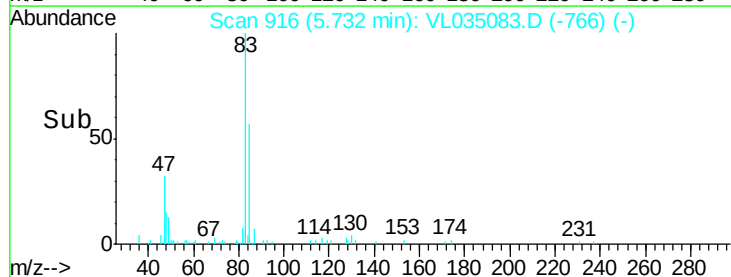
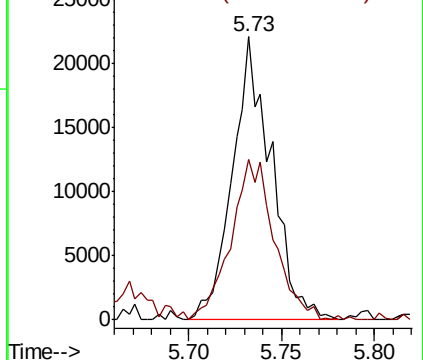
Ion Ratio Lower Upper

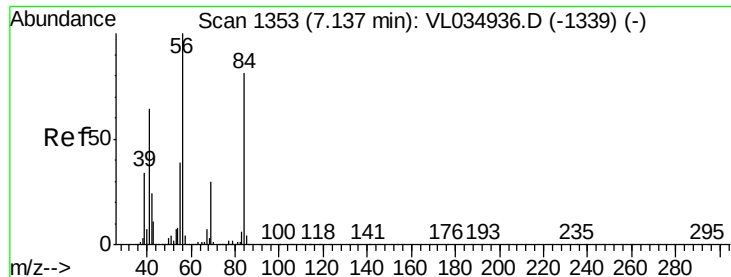
83 100

85 56.6 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

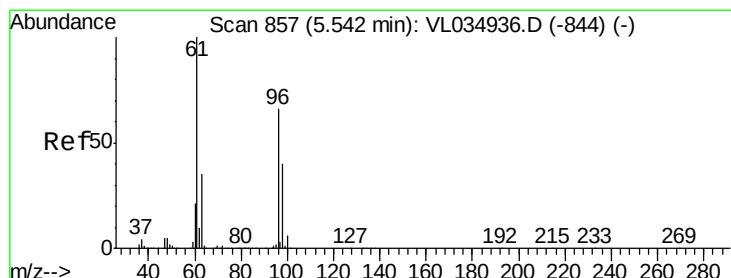
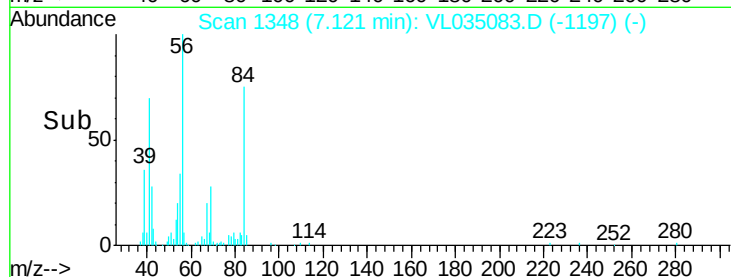
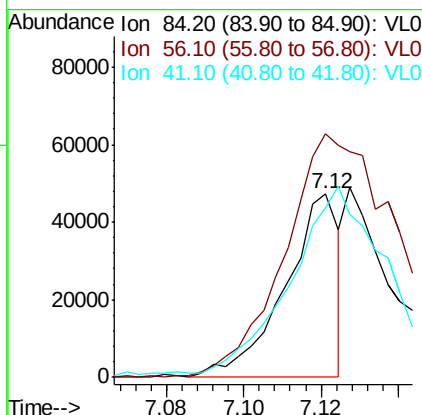
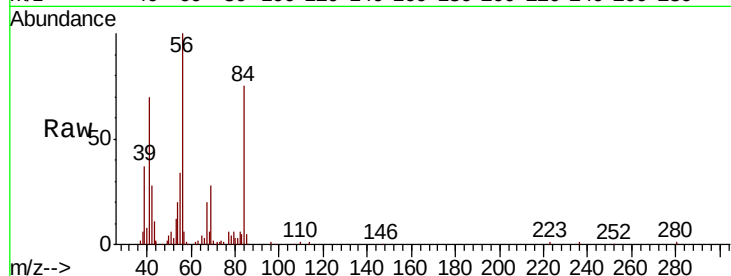




#30
Cvclohexane
Concen: 0.584 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

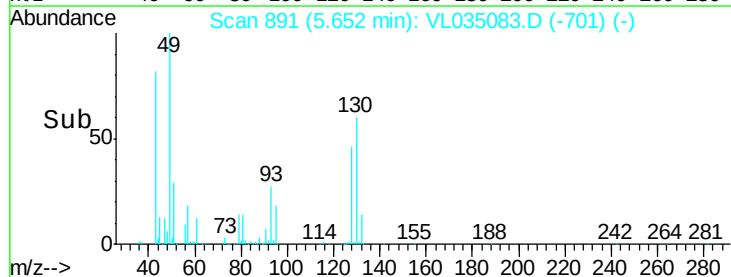
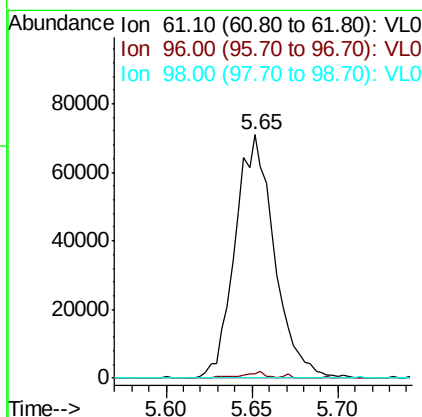
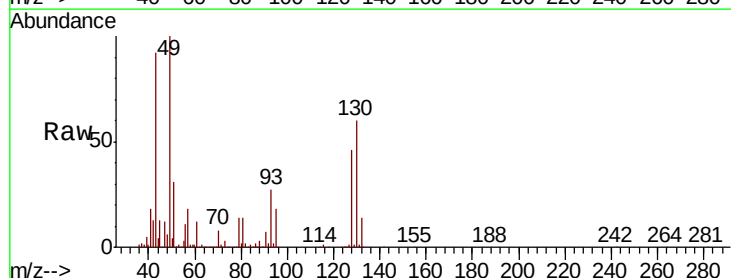
Instrument :
MSVOA_L
ClientSampleId :

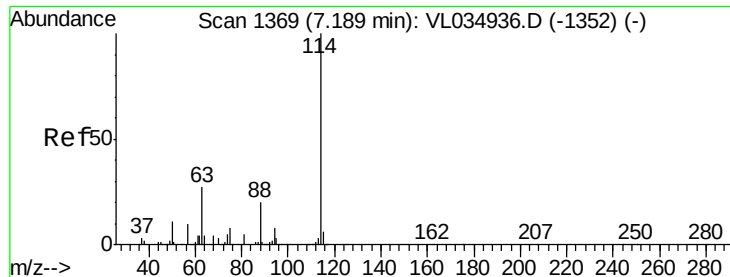
Tot Ion: 84 Resp: 45743
Ion Ratio Lower Upper
84 100
56 270.7 111.4 167.2#
41 0.0 66.7 100.1#



#31
cis-1,2-Dichloroethene
Concen: 1.138 ppbv
RT: 5.65 min Scan# 891
Delta R.T. 0.11 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 61 Resp: 112675
Ion Ratio Lower Upper
61 100
96 2.0 53.0 79.6#
98 0.0 32.2 48.2#

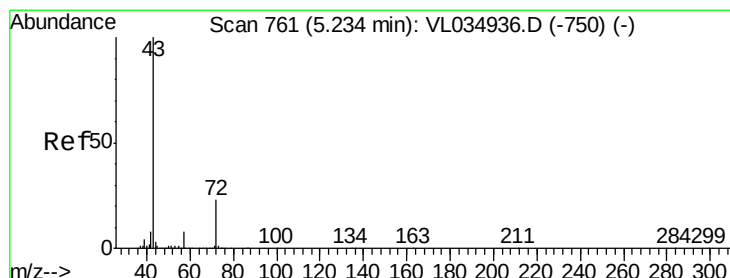
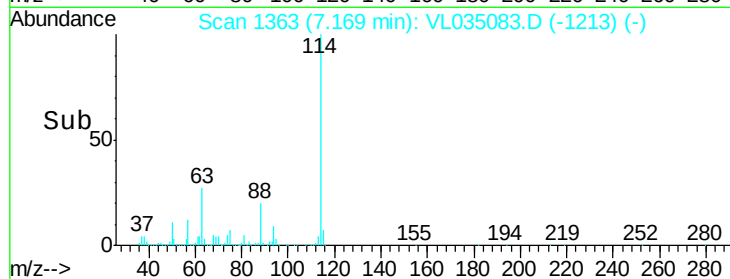
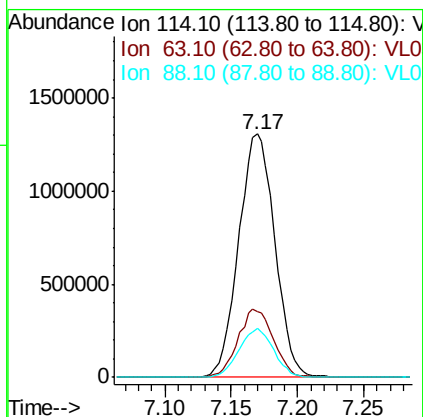
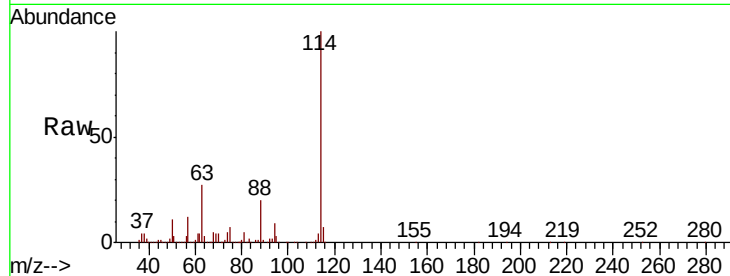




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

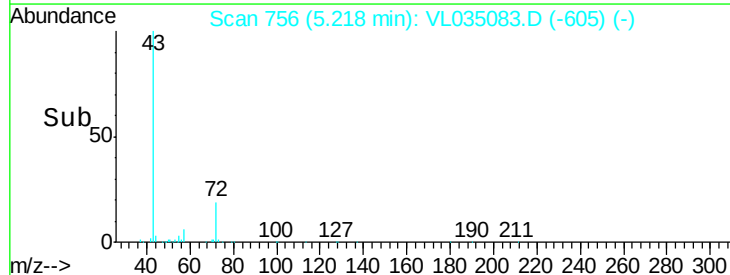
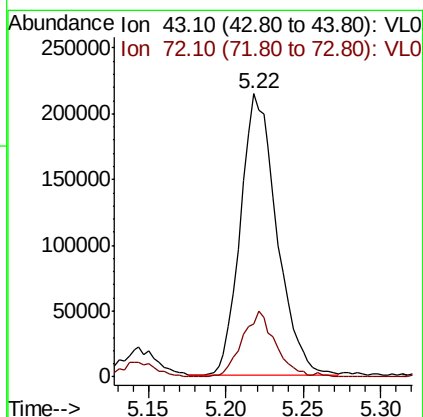
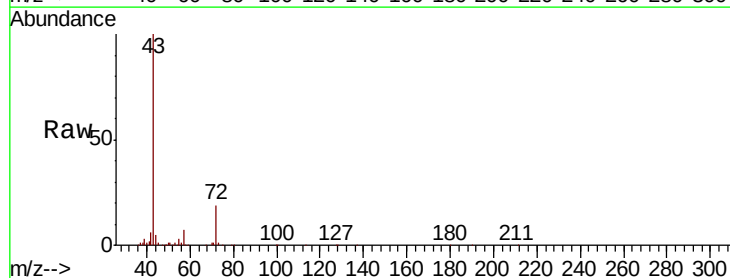
Instrument :
 MSVOA_L
 ClientSampleId :

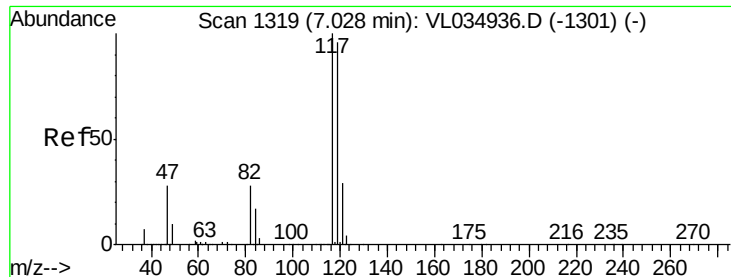
Tot Ion:114 Resp: 2480081
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.4
 88 19.2 15.5 23.3



#34
 2-Butanone
 Concen: 2.281 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

Tgt Ion: 43 Resp: 351556
 Ion Ratio Lower Upper
 43 100
 72 21.6 18.0 27.0





#35

Carbon Tetrachloride

Concen: 0.068 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

ClientSampleId :

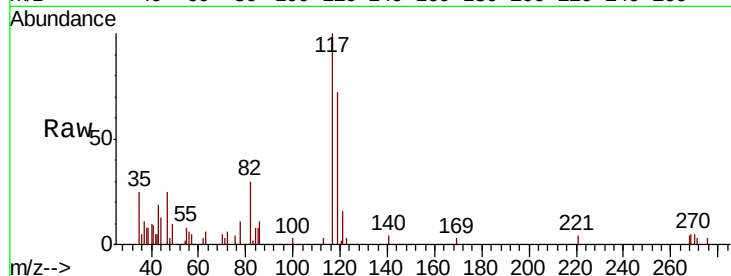
Tot Ion:117 Resp: 10711

Ion Ratio Lower Upper

117 100

119 67.7 77.0 115.6#

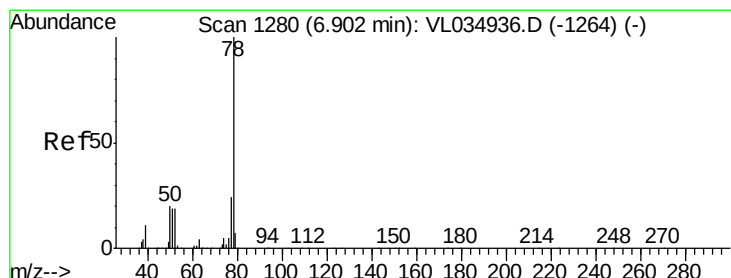
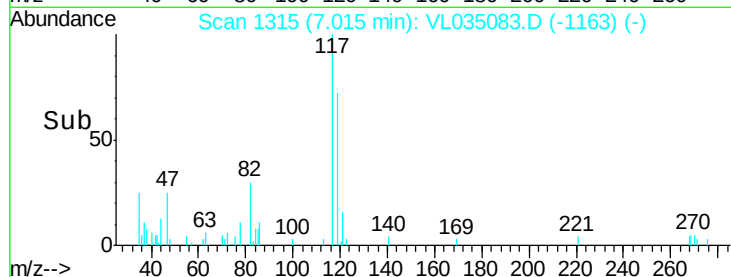
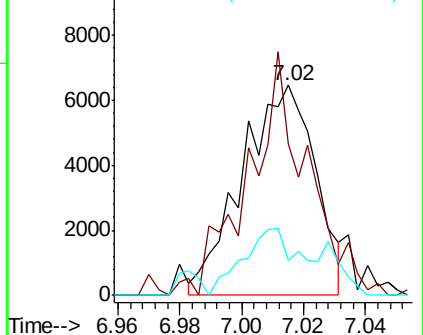
121 5.2 23.0 34.6#



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: 0.377 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

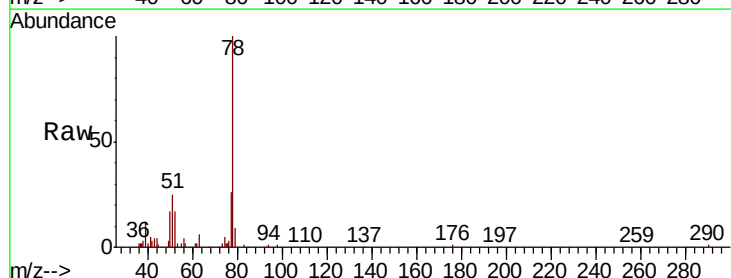
Tgt Ion: 78 Resp: 77156

Ion Ratio Lower Upper

78 100

77 26.1 19.0 28.6

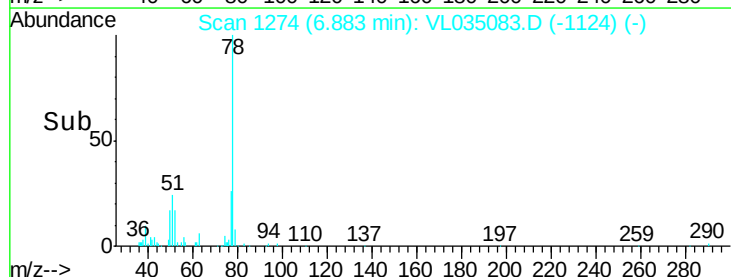
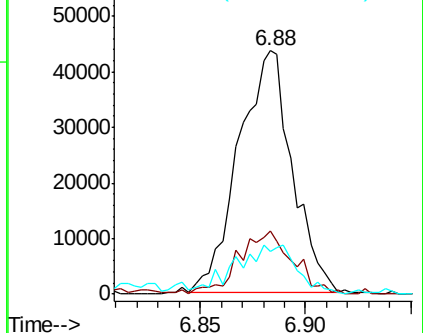
50 16.5 15.8 23.8

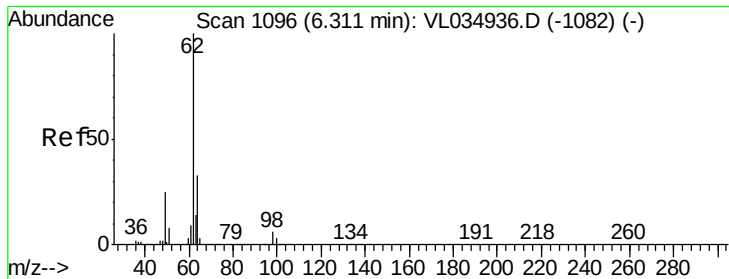


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

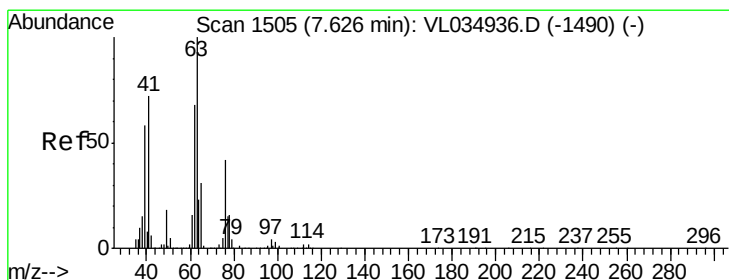
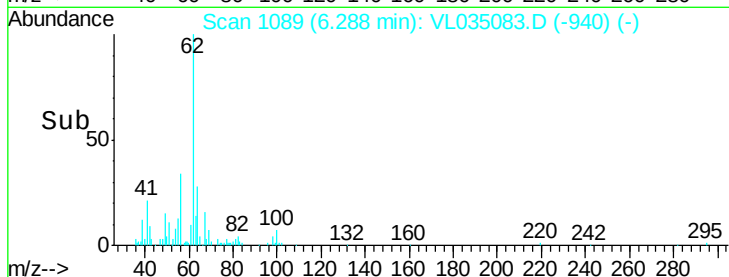
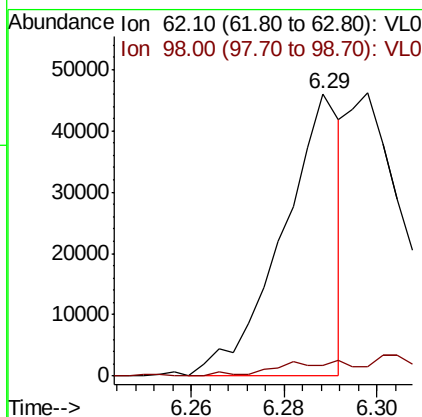
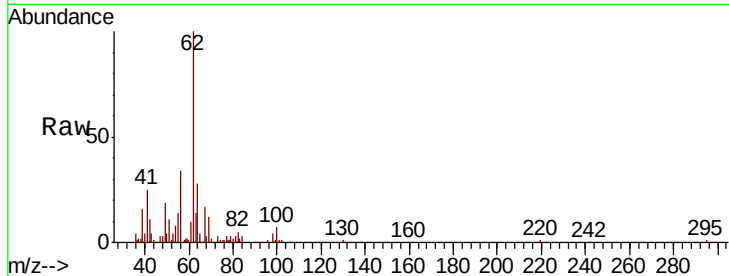




#37
 1,2-Dichloroethane
 Concen: 0.319 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

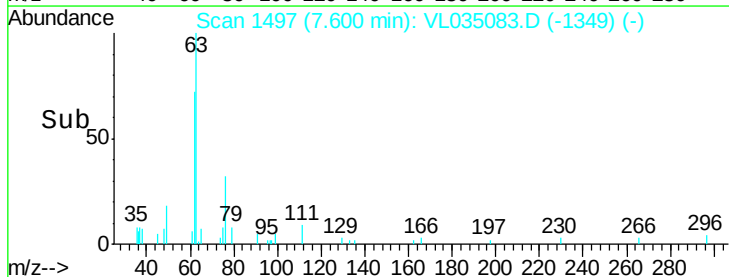
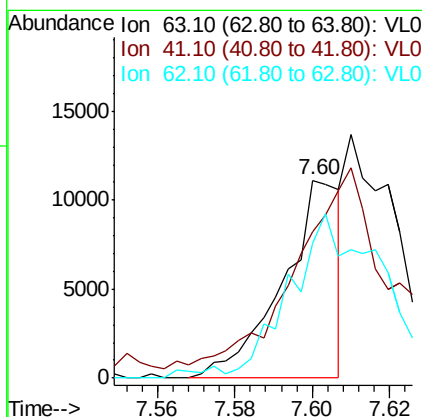
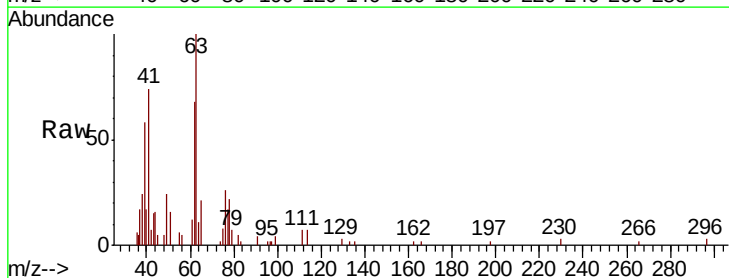
Instrument :
 MSVOA_L
 ClientSampleId :

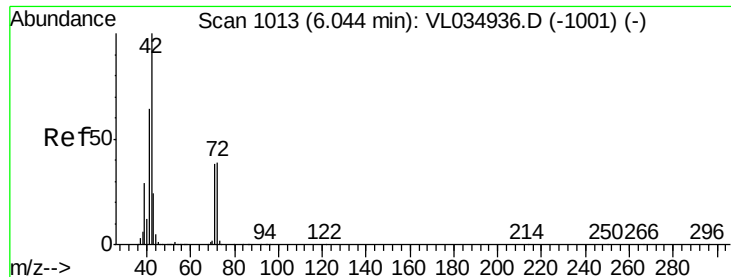
Tot Ion: 62 Resp: 40176
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.8 7.2#



#39
 1,2-Dichloropropane
 Concen: 0.140 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.03 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

Tgt Ion: 63 Resp: 11458
 Ion Ratio Lower Upper
 63 100
 41 67.3 57.8 86.8
 62 64.5 54.2 81.2

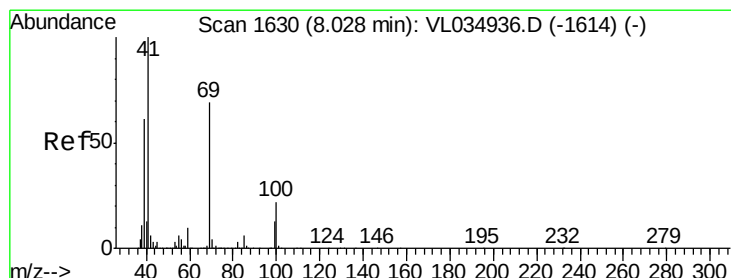
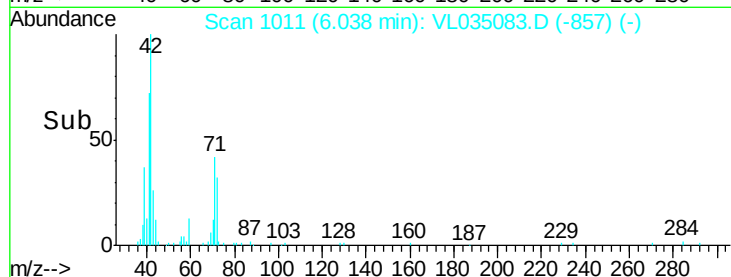
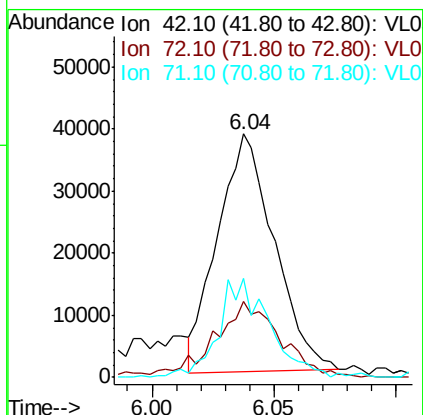
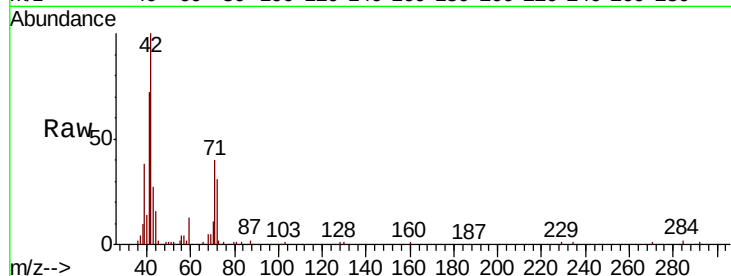




#41
Tetrahydrofuran
Concen: 0.764 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

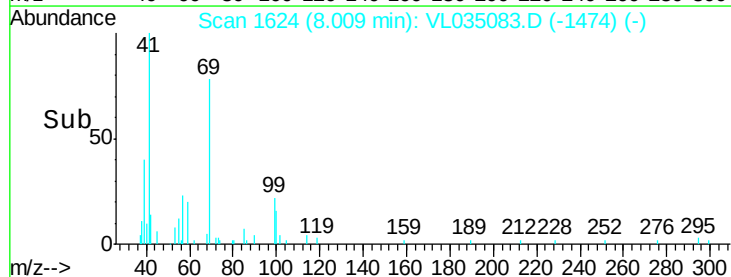
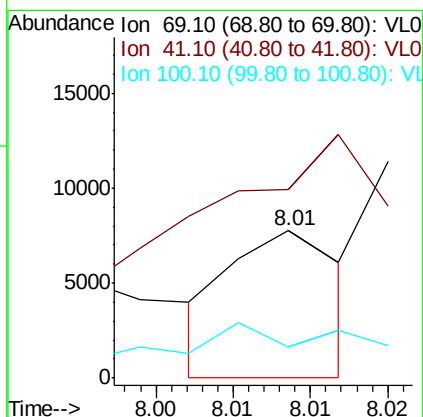
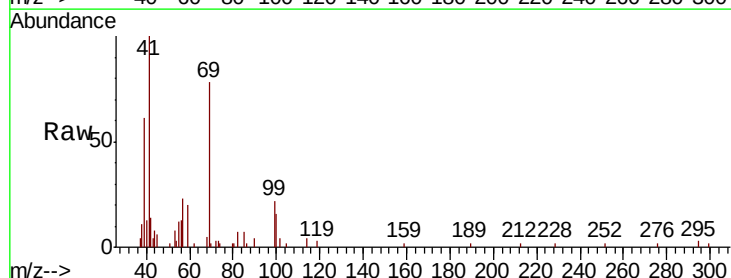
Instrument :
MSVOA_L
ClientSampleId :

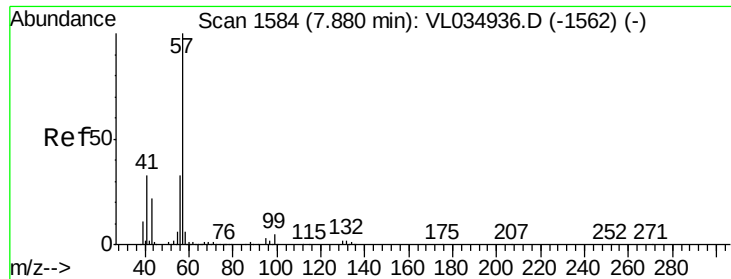
Tot Ion: 42 Resp: 61972
Ion Ratio Lower Upper
42 100
72 38.2 31.4 47.0
71 37.8 29.8 44.8



#43
Methyl Methacrylate
Concen: 0.045 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 69 Resp: 3889
Ion Ratio Lower Upper
69 100
41 0.0 119.8 179.6#
100 137.2 25.0 37.6#

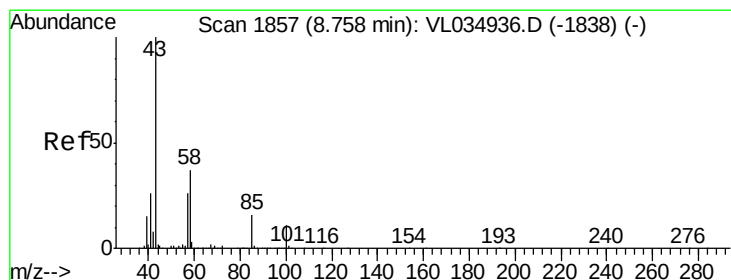
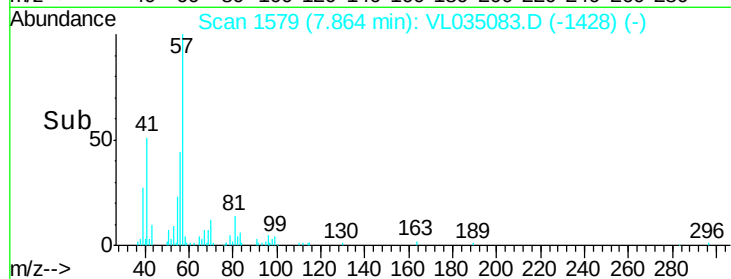
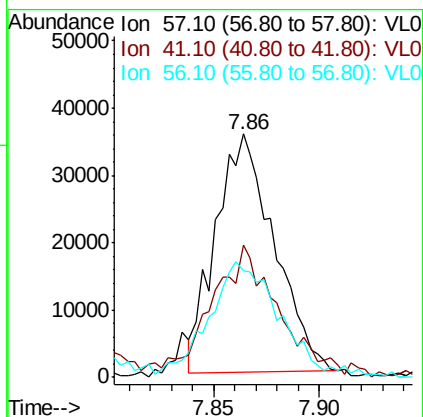
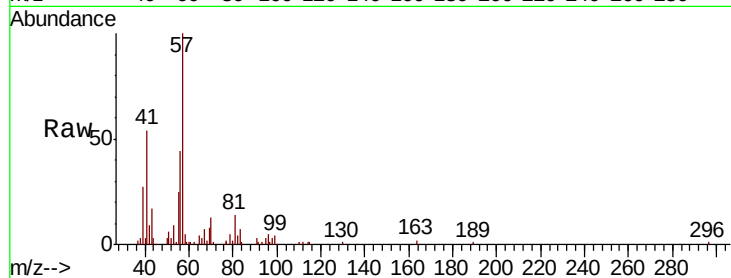




#44
 2,2,4-Trimethylpentane
 Concen: 0.188 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.02 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

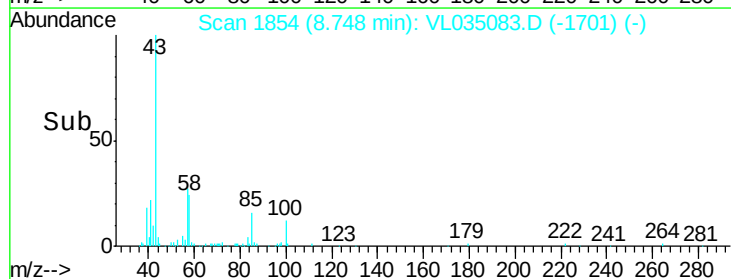
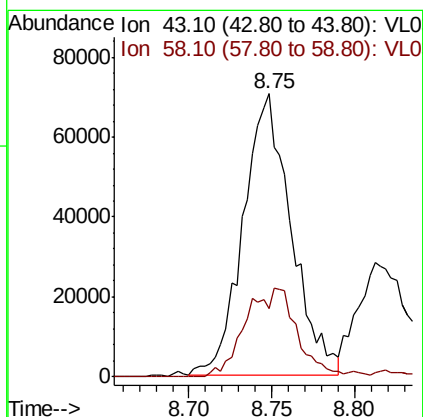
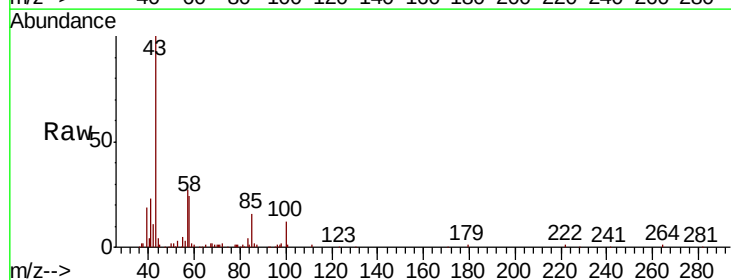
Instrument :
 MSVOA_L
 ClientSampleId :

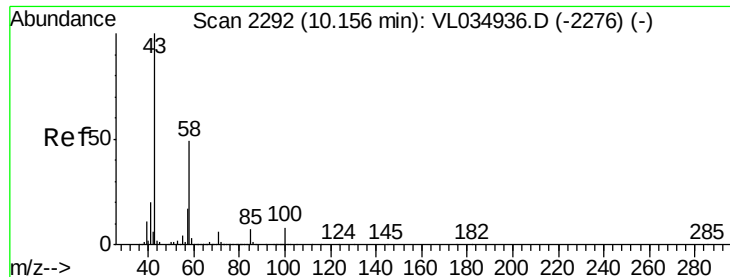
Tot Ion	57	Resp	68488
Ion	Ratio	Lower	Upper
57	100		
41	65.1	26.4	39.6#
56	59.2	25.5	38.3#



#50
 4-Methyl-2-Pentanone
 Concen: 0.642 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VL035083.D
 Acq: 22 May 2020 14:04

Tgt Ion	43	Resp	141064
Ion	Ratio	Lower	Upper
43	100		
58	34.7	29.1	43.7

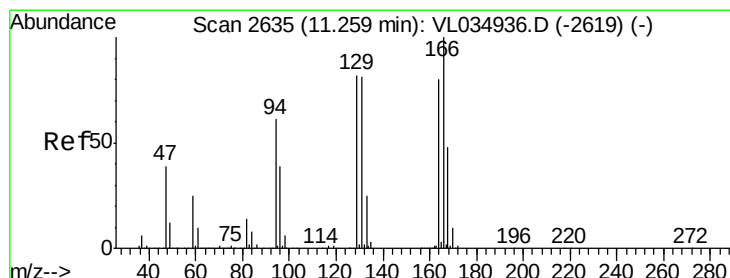
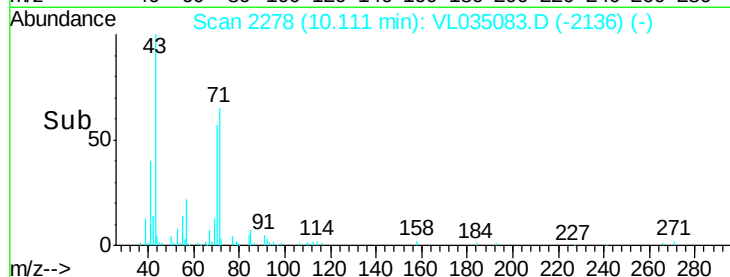
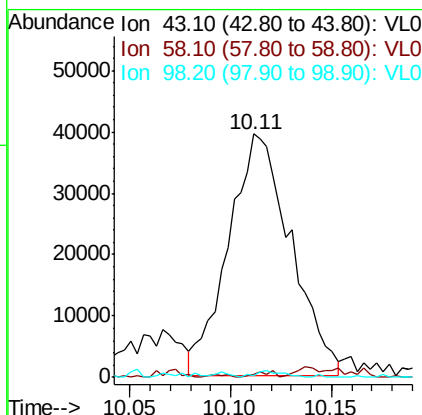
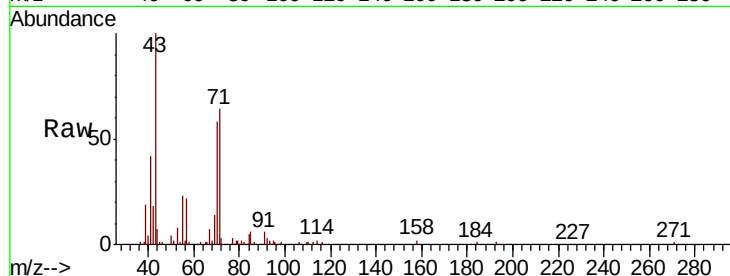




#51
2-Hexanone
Concen: 0.495 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.05 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

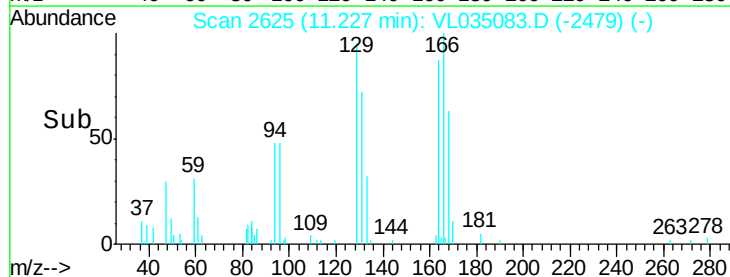
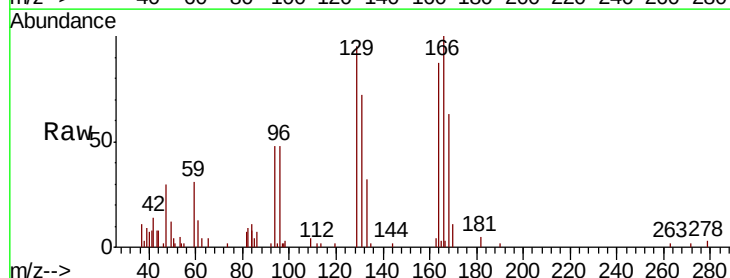
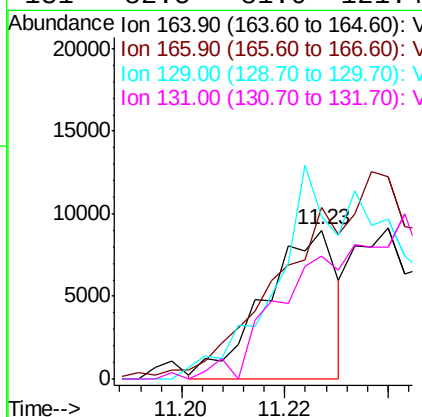
Instrument :
MSVOA_L
ClientSampleId :

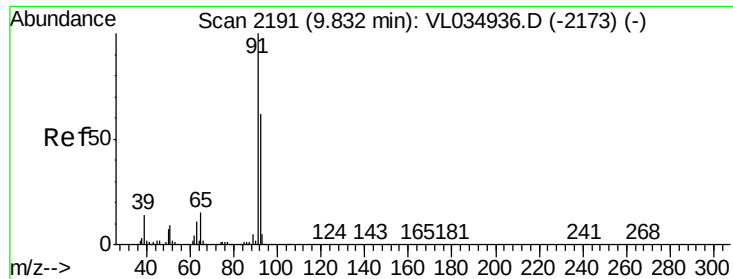
Tot Ion: 43 Resp: 85072
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 1.4 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.119 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.03 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 164 Resp: 8647
Ion Ratio Lower Upper
164 100
166 111.6 100.7 151.1
129 100.7 83.0 124.4
131 82.5 81.0 121.4





#53

Toluene

Concen: 24.722 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

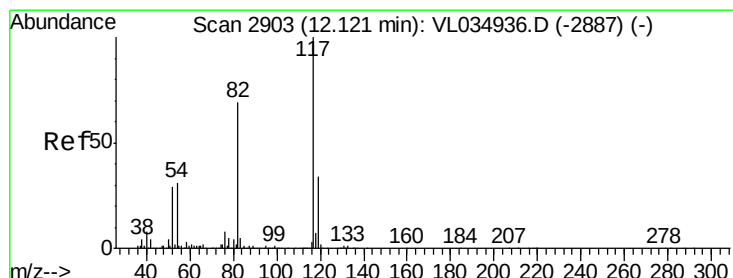
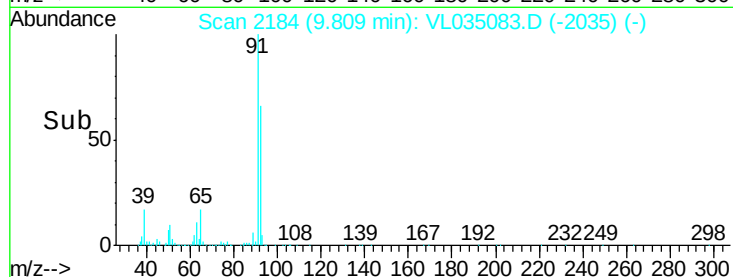
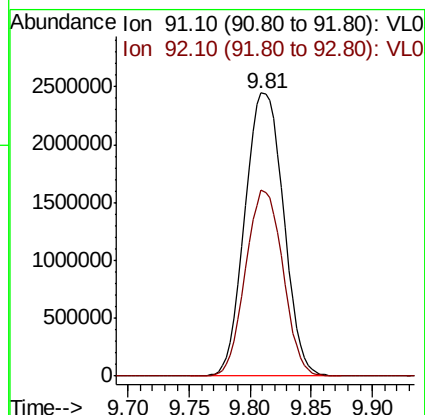
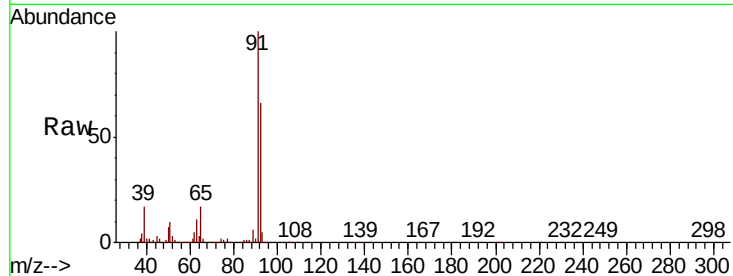
ClientSampleId :

Tot Ion: 91 Resp: 5358674

Ion Ratio Lower Upper

91 100

92 63.5 48.6 73.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

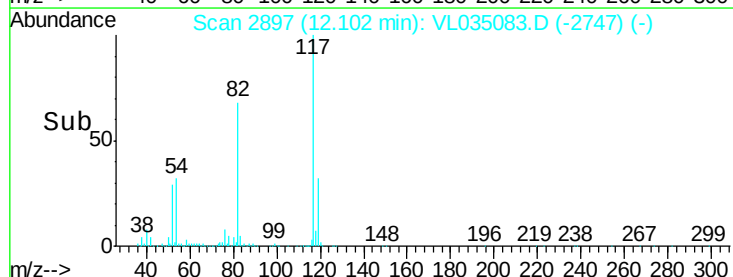
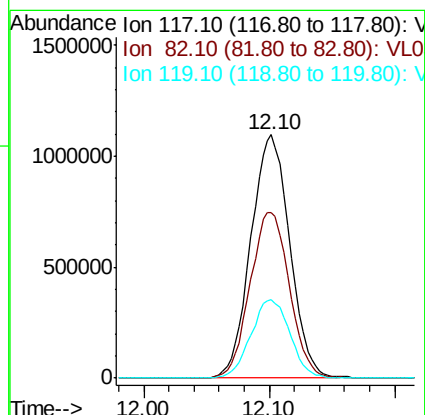
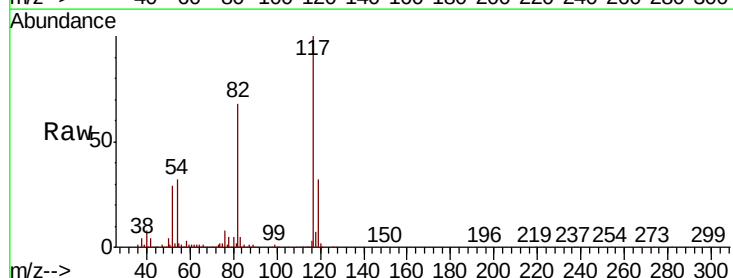
Tgt Ion: 117 Resp: 2348682

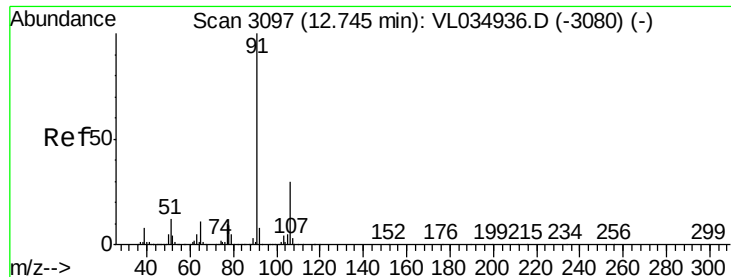
Ion Ratio Lower Upper

117 100

82 69.3 53.1 79.7

119 32.7 26.7 40.1





#58

Ethyl Benzene

Concen: 3.410 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

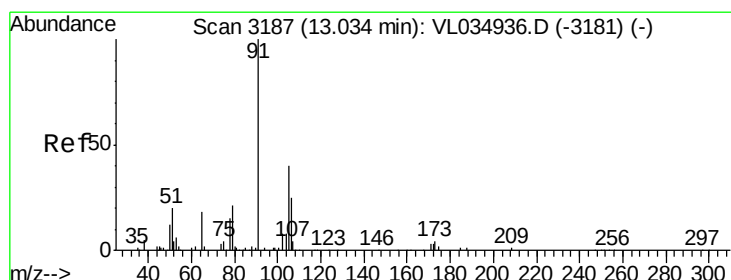
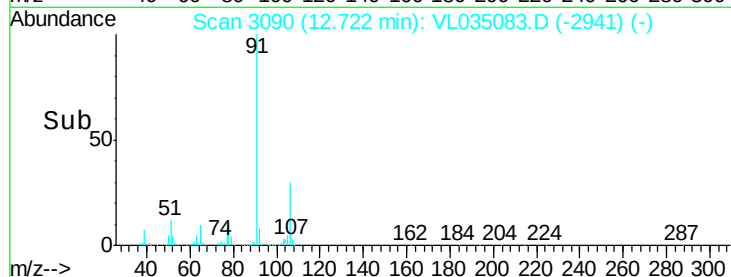
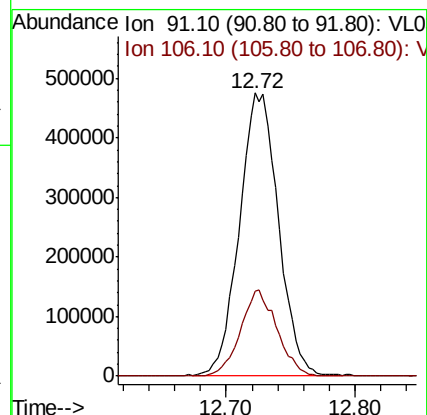
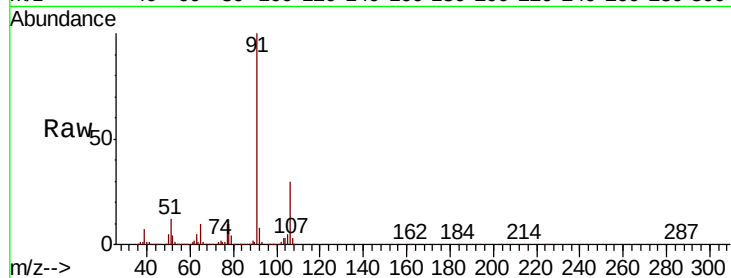
ClientSampled :

Tot Ion: 91 Resp: 990241

Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.4



#59

m/p-Xylene

Concen: 5.462 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. -0.05 min

Lab File: VL035083.D

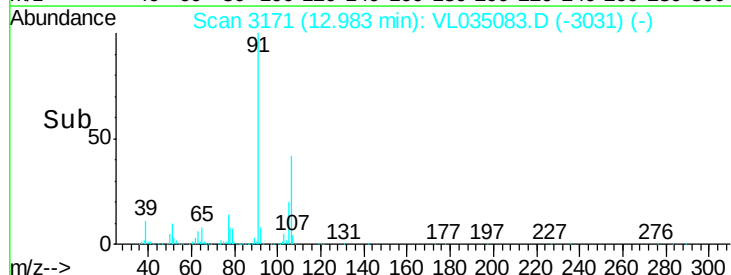
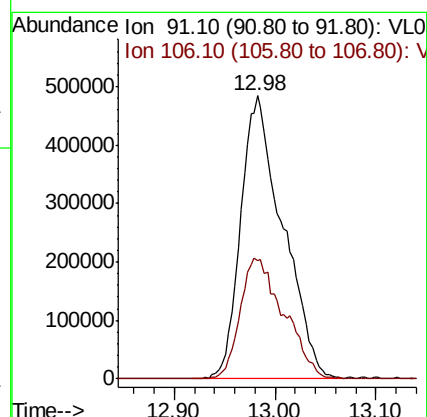
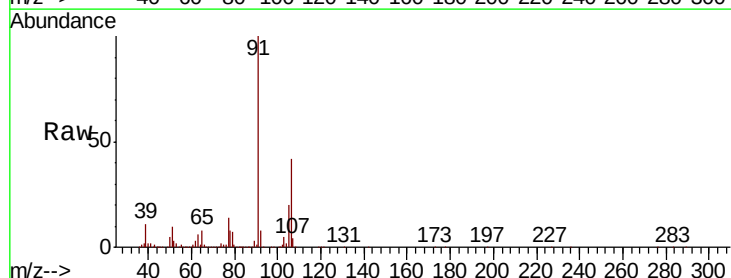
Acq: 22 May 2020 14:04

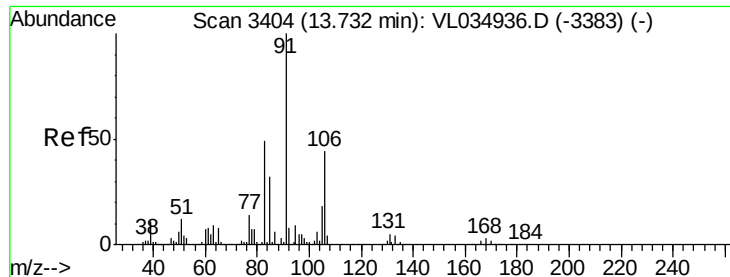
Tgt Ion: 91 Resp: 1395747

Ion Ratio Lower Upper

91 100

106 44.6 66.0 99.0#

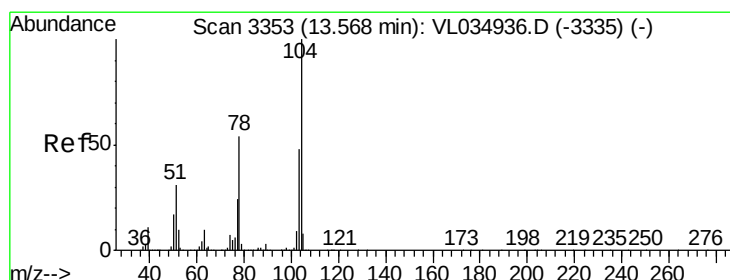
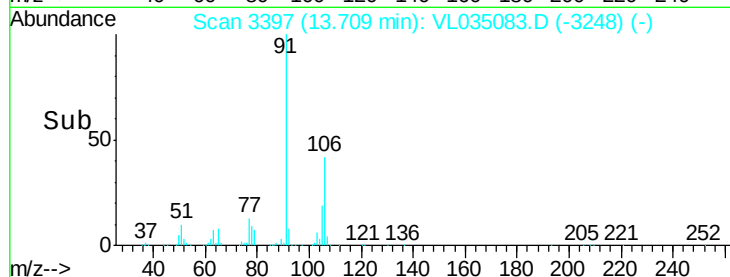
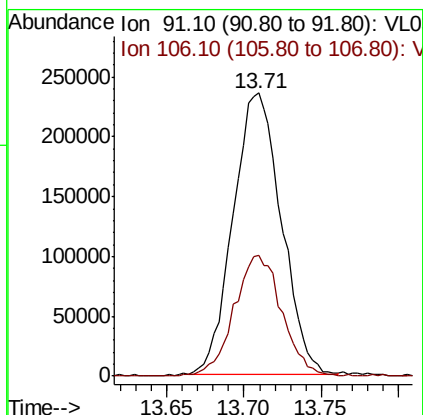
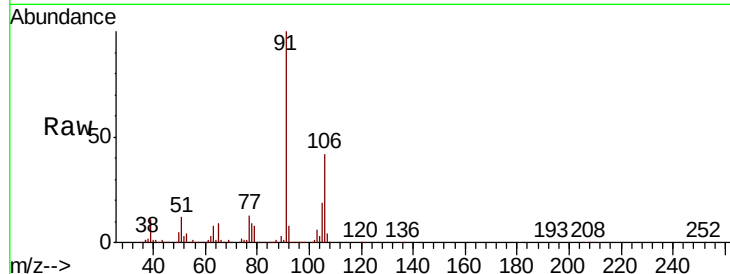




#60
o-Xylene
Concen: 2.008 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.02 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

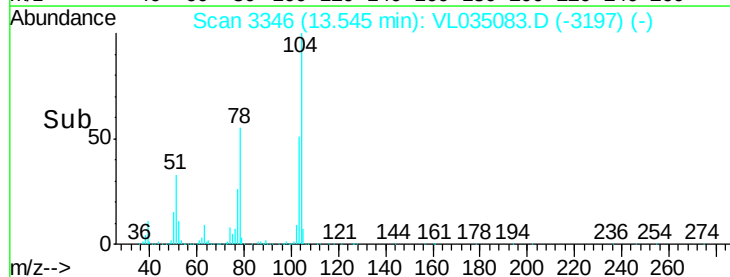
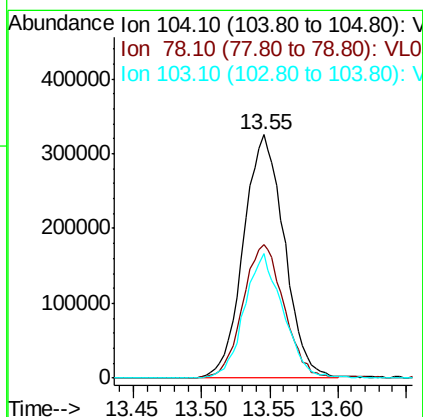
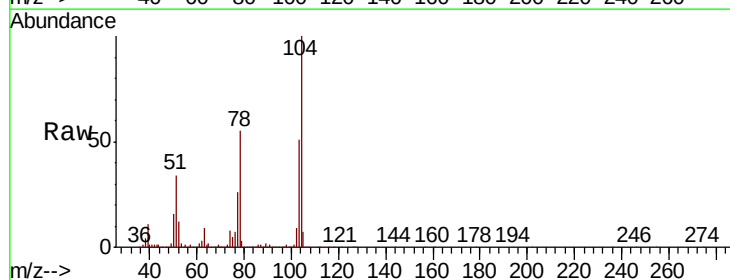
Instrument :
MSVOA_L
ClientSampleId :

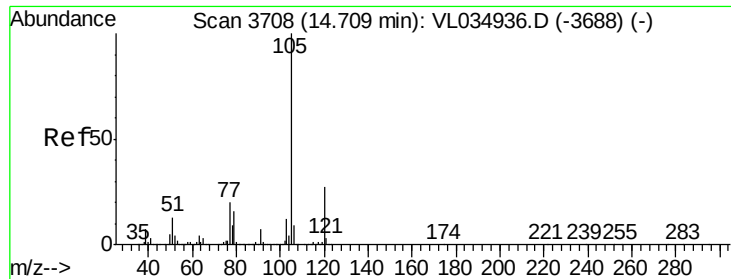
Tot Ion: 91 Resp: 506411
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.5



#61
Styrene
Concen: 4.231 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.02 min
Lab File: VL035083.D
Acq: 22 May 2020 14:04

Tgt Ion: 104 Resp: 675221
Ion Ratio Lower Upper
104 100
78 55.9 43.7 65.5
103 48.9 38.8 58.2





#62

Isopropylbenzene

Concen: 0.045 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

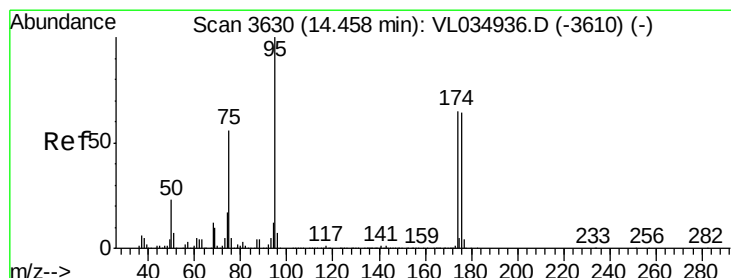
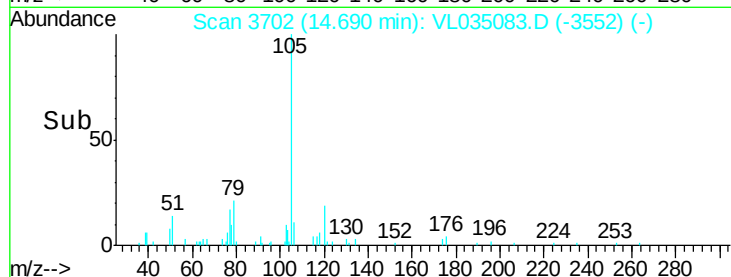
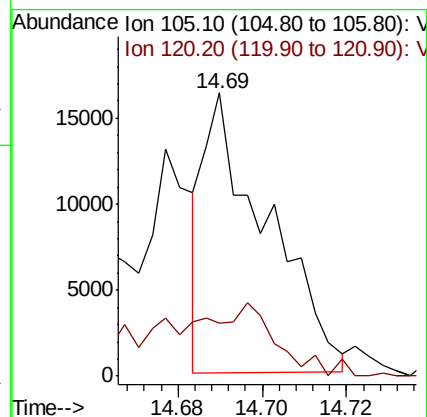
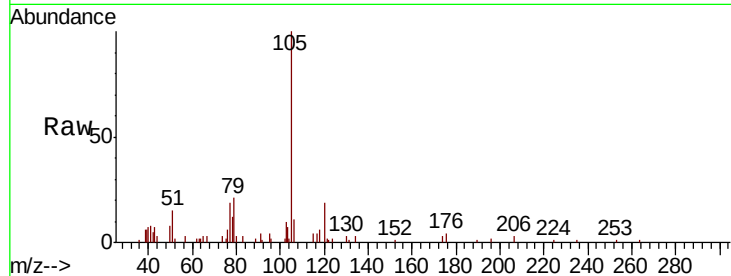
ClientSampleId :

Tot Ion:105 Resp: 16891

Ion Ratio Lower Upper

105 100

120 54.6 20.6 31.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.629 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

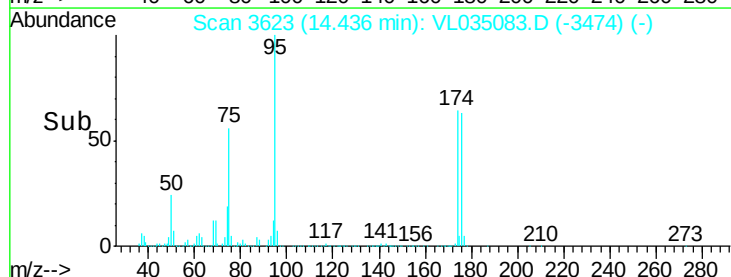
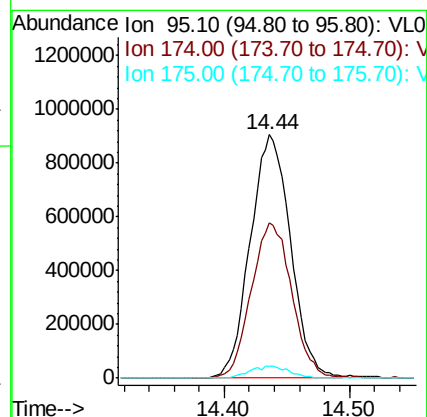
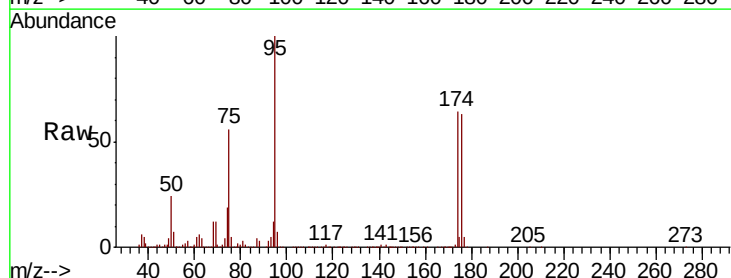
Tgt Ion: 95 Resp: 2020659

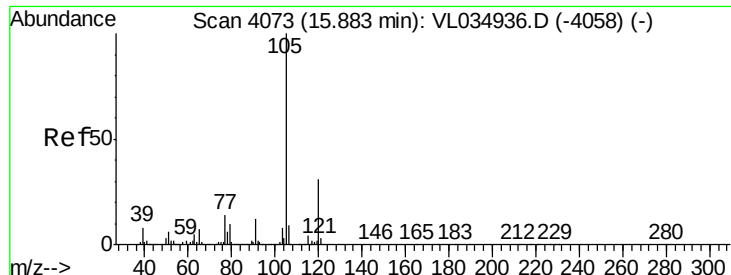
Ion Ratio Lower Upper

95 100

174 64.7 51.5 77.3

175 4.9 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.061 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.03 min

Lab File: VL035083.D

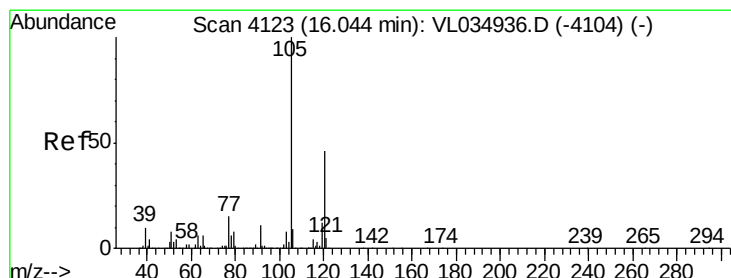
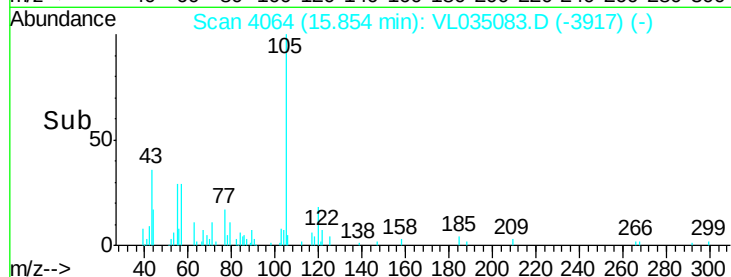
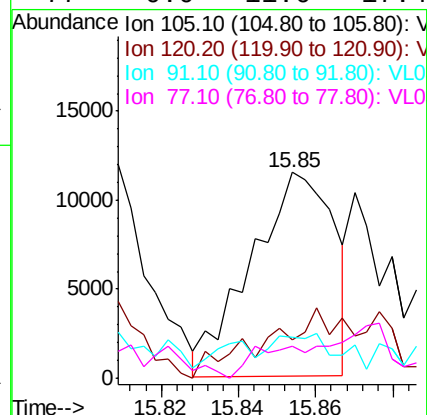
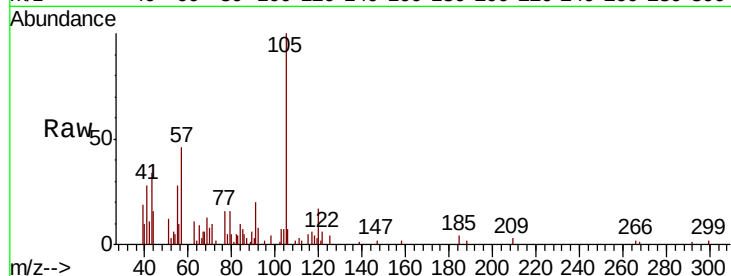
Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	17028
Ion Ratio	Lower	Upper
105	100	
120	49.5	23.8 35.8#
91	35.2	10.6 15.8#
77	0.0	11.6 17.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.033 ppbv

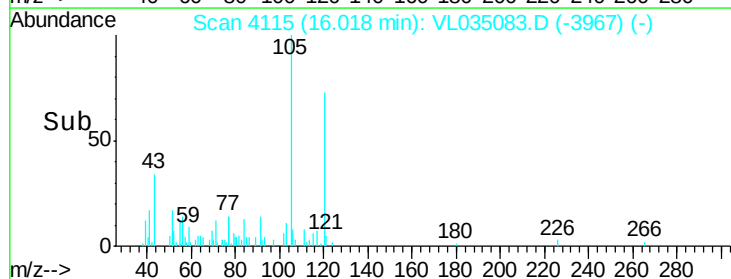
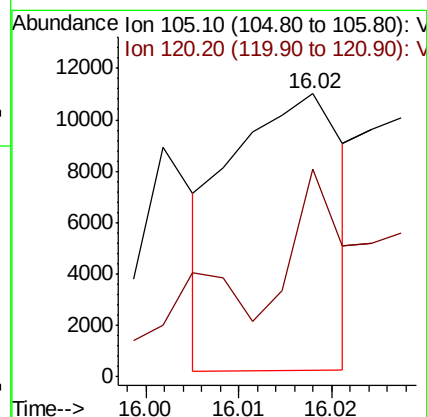
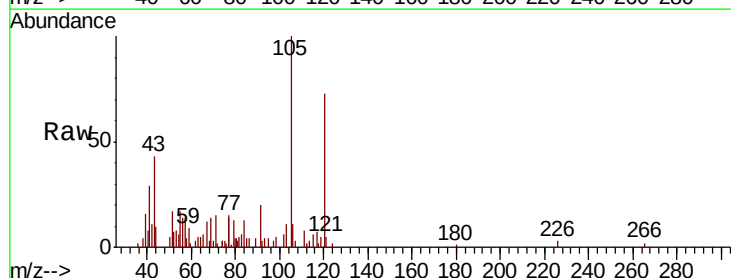
RT: 16.02 min Scan# 4115

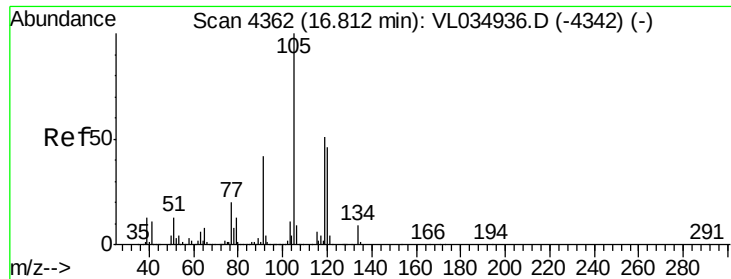
Delta R.T. -0.03 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Tgt Ion:105	Resp:	9013
Ion Ratio	Lower	Upper
105	100	
120	104.2	36.4 54.6#





#74

1,2,4-Trimethylbenzene

Concen: 0.123 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.03 min

Lab File: VL035083.D

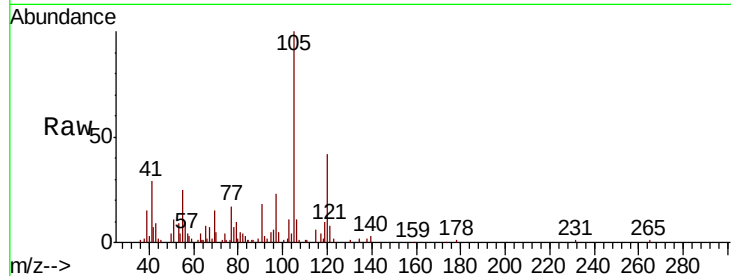
Acq: 22 May 2020 14:04

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:105	Resp:	36621
Ion Ratio	Lower	Upper
105	100	
120	41.1	36.8 55.2
91	15.6	35.4 53.0#
77	13.0	16.2 24.2#

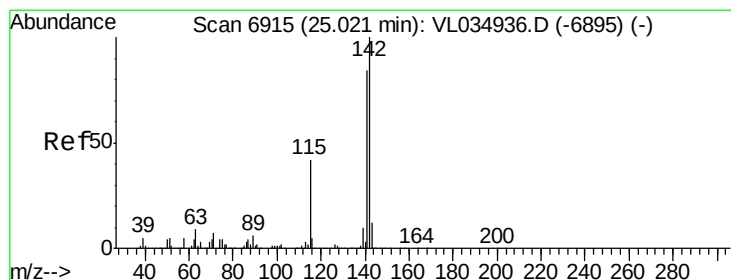
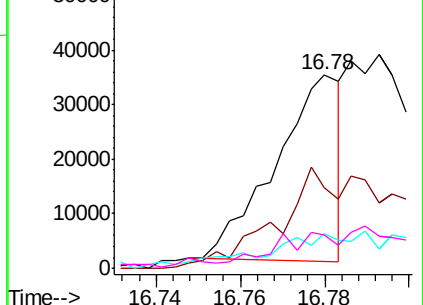
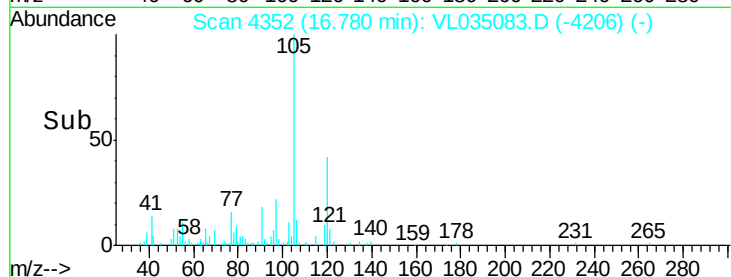


Abundance Ion 105.10 (104.80 to 105.80): V

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



#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

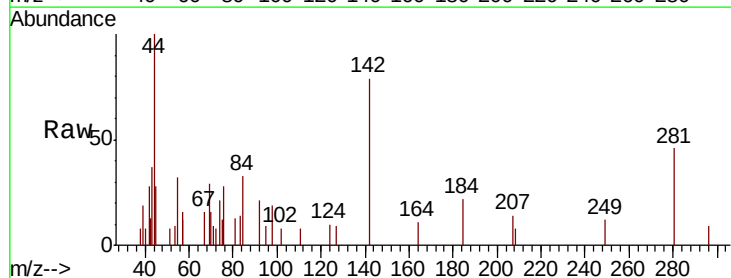
RT: 25.02 min Scan# 6915

Delta R.T. 0.00 min

Lab File: VL035083.D

Acq: 22 May 2020 14:04

Tgt Ion:142	Resp:	1769
Ion Ratio	Lower	Upper
142	100	
141	85.0	68.6 102.8
115	37.1	33.9 50.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

