

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037326.D
 Acq On : 5 Aug 2021 3:22
 Operator : SY/AP
 Sample : M3211-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 04:53:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1082820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3372917	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2772673	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1796646	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	34357	0.156	ppbv 92
3) Chlorodifluoromethane	2.96	51	78840	0.358	ppbv # 78
4) Chloromethane	3.14	50	35614	0.452	ppbv 90
9) Propene	3.01	41	290076	3.644	ppbv 96
10) Heptane	8.12	43	10826	0.058	ppbv # 3
11) Trichlorofluoromethane	3.95	101	1745747	8.631	ppbv 100
13) Ethanol	3.61	45	301048	25.107	ppbv 99
15) Acetone	3.84	43	4326044	36.779	ppbv 93
16) 1,3-Butadiene	3.31	39	364373	4.809	ppbv # 19
17) tert-Butyl alcohol	4.30	59	13875	0.117	ppbv # 72
19) Isopropyl Alcohol	3.97	45	144600	2.221	ppbv # 93
20) Methylene Chloride	4.34	84	1463651	15.030	ppbv 99
21) Allyl Chloride	4.34	41	30234	0.318	ppbv # 22
23) Vinyl Acetate	5.05	43	63697	0.359	ppbv # 7
25) Ethyl Acetate	5.68	43	705821	2.308	ppbv # 77
26) Hexane	5.68	57	1020124	5.960	ppbv # 47
27) Carbon Disulfide	4.55	76	12150	0.087	ppbv # 1
29) Chloroform	5.75	83	281095	1.297	ppbv 100
30) Cyclohexane	7.12	84	16194	0.123	ppbv # 11
34) 2-Butanone	5.23	43	5244338	44.807	ppbv 100
35) Carbon Tetrachloride	7.01	117	165734	0.823	ppbv 98
36) Benzene	6.88	78	106291	0.350	ppbv 98
37) 1,2-Dichloroethane	6.30	62	4341	0.031	ppbv # 78
38) Trichloroethene	7.83	130	95775	0.721	ppbv 97
39) 1,2-Dichloropropane	7.17	63	749644	6.632	ppbv # 29
41) Tetrahydrofuran	6.03	42	3689558	56.683	ppbv 99
44) 2,2,4-Trimethylpentane	7.86	57	38322	0.076	ppbv # 49
50) 4-Methyl-2-Pentanone	8.74	43	6846	0.038	ppbv # 36
51) 2-Hexanone	10.13	43	490679	6.022	ppbv # 95
52) Tetrachloroethene	11.21	164	17278	0.132	ppbv 89
53) Toluene	9.80	91	146426	0.409	ppbv # 25
58) Ethyl Benzene	12.70	91	39337	0.097	ppbv 95
59) m/p-Xylene	12.96	91	126275	0.368	ppbv # 36
60) o-Xylene	13.68	91	47610	0.153	ppbv # 43
64) n-propylbenzene	15.55	120	5958	0.050	ppbv 73
66) Benzyl Chloride	16.98	91	1107	0.068	ppbv # 60
69) p-Isopropyltoluene	17.64	119	19096	0.040	ppbv # 55
72) 4-Ethyltoluene	15.82	105	16541	0.044	ppbv # 45
74) 1,2,4-Trimethylbenzene	16.74	105	111007	0.307	ppbv # 75
75) 1,3-Dichlorobenzene	16.98	146	53612	0.242	ppbv # 1
76) 1,4-Dichlorobenzene	17.12	146	79718	0.362	ppbv 90

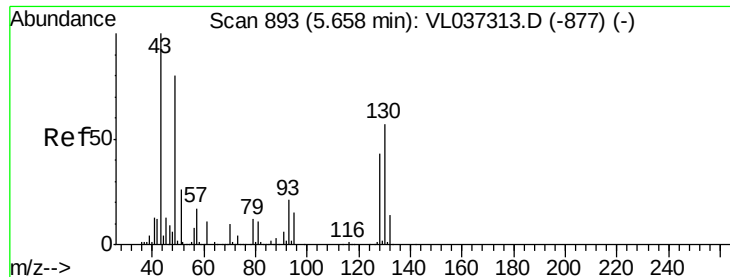
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037326.D
Acq On : 5 Aug 2021 3:22
Operator : SY/AP
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Instrument :
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Quant Time: Aug 05 04:53:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.20	128	11473	0.035	ppbv	95
80) Naphthalene,2-methyl-	24.95	142	6909	0.128	ppbv #	71

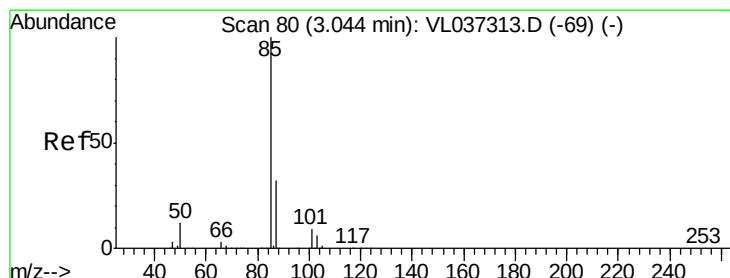
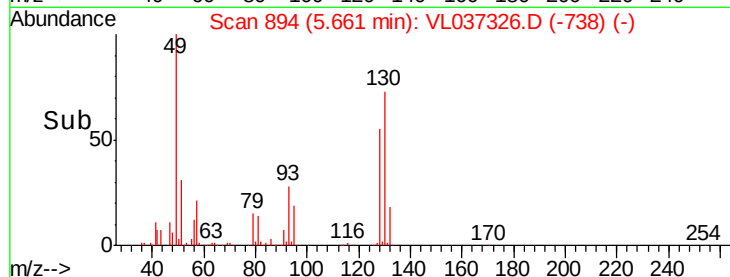
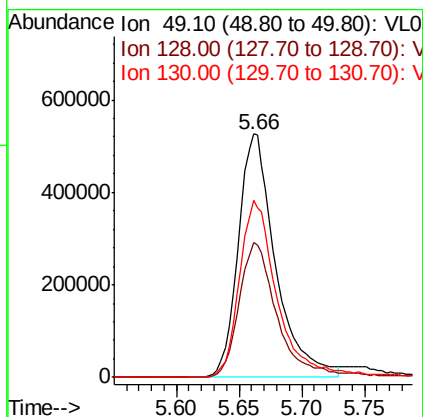
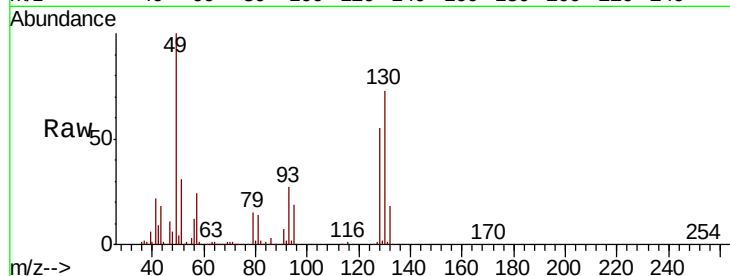
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

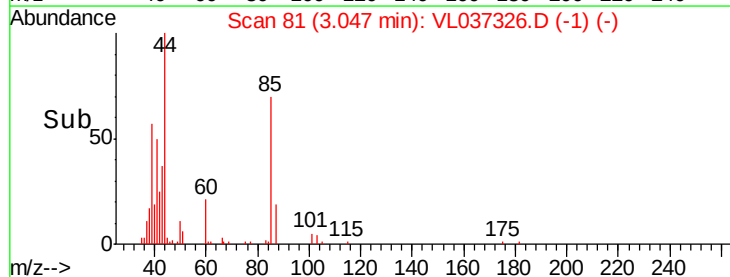
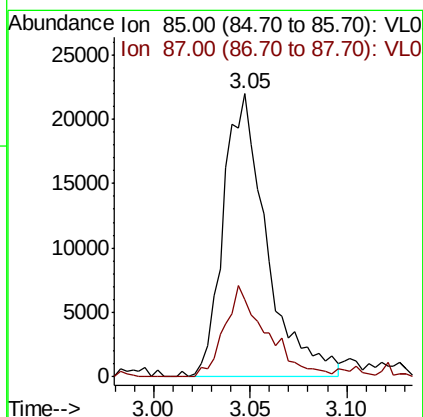
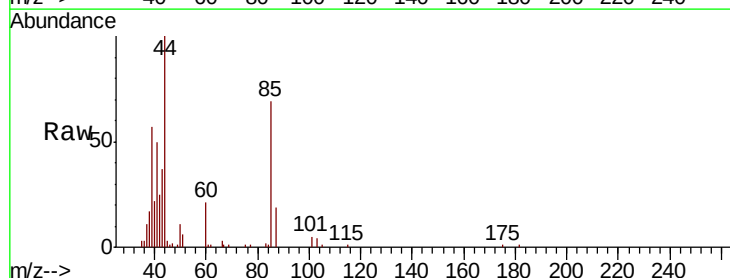
Instrument :
 MSVOA_L
 ClientSampleId :

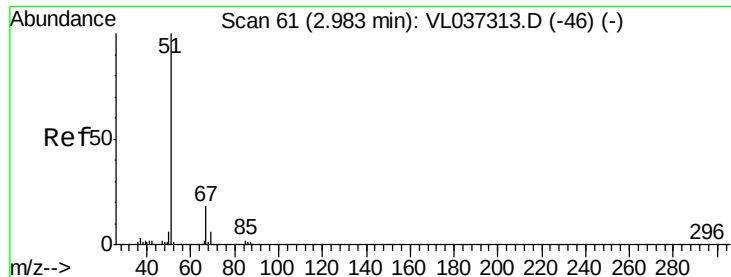
Tot Ion: 49 Resp: 1082820
 Ion Ratio Lower Upper
 49 100
 128 57.9 29.8 89.5
 130 75.7 37.5 112.7



#2
 Dichlorodifluoromethane
 Concen: 0.156 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion: 85 Resp: 34357
 Ion Ratio Lower Upper
 85 100
 87 27.3 25.5 38.3





#3

Chlorodifluoromethane

Concen: 0.358 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

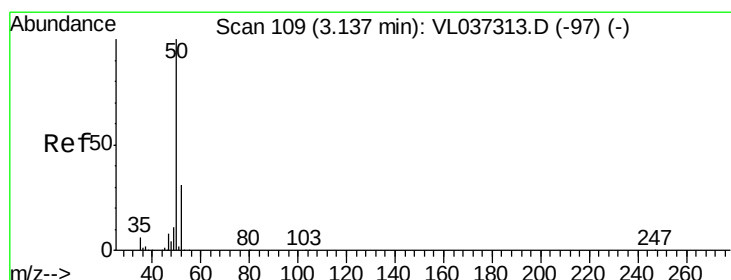
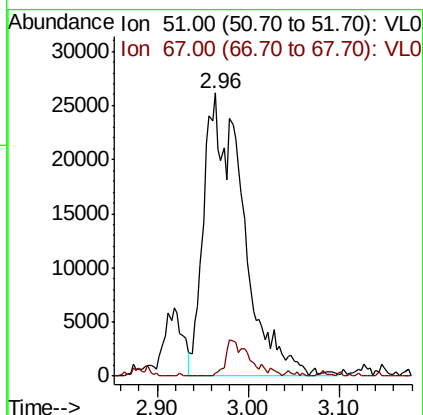
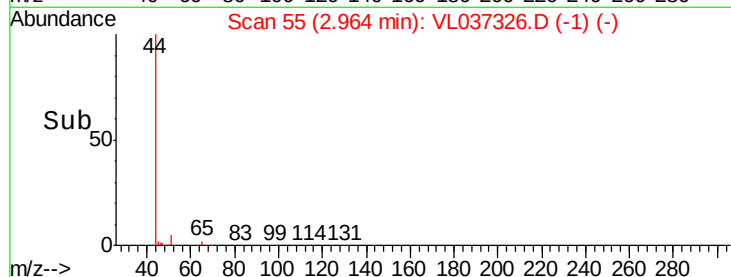
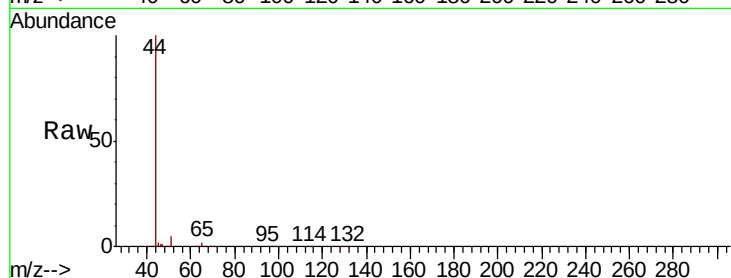
ClientSampleId :

Tot Ion: 51 Resp: 78840

Ion Ratio Lower Upper

51 100

67 8.2 14.2 21.2#



#4

Chloromethane

Concen: 0.452 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037326.D

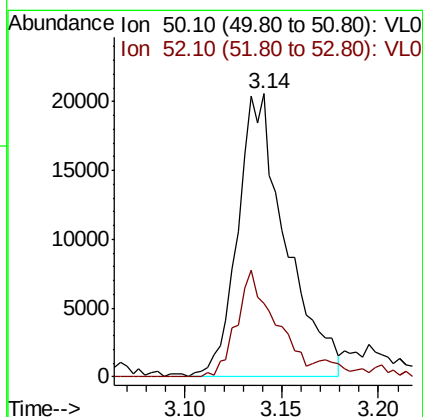
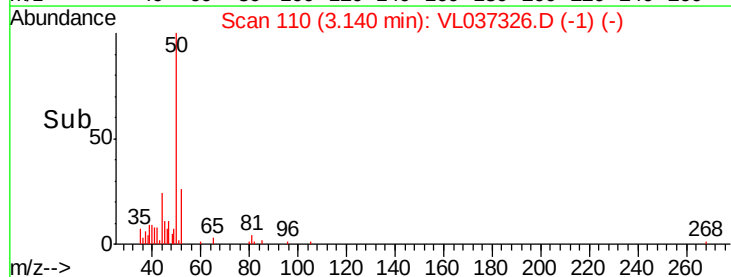
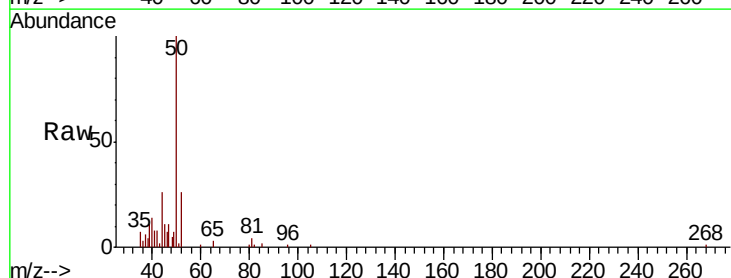
Acq: 5 Aug 2021 3:22

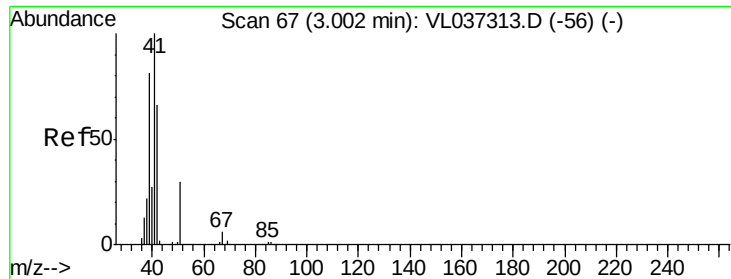
Tgt Ion: 50 Resp: 35614

Ion Ratio Lower Upper

50 100

52 25.9 25.1 37.7





#9

Propene

Concen: 3.644 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

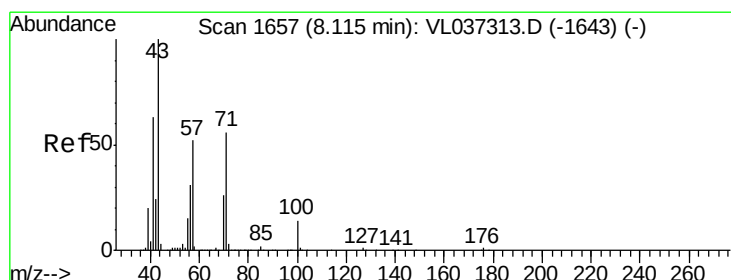
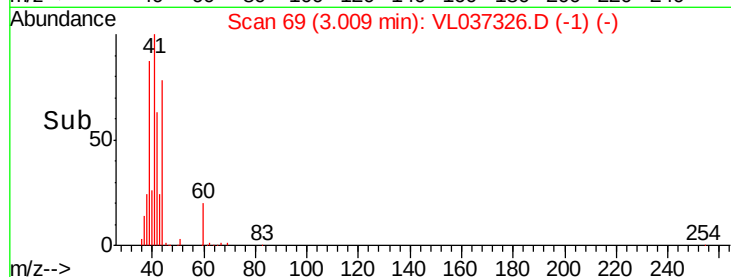
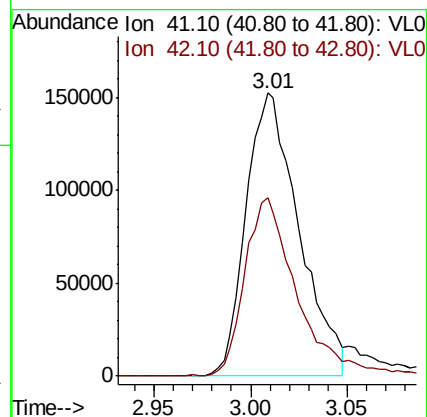
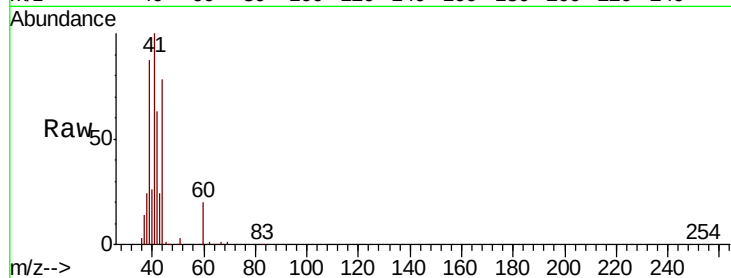
ClientSampleId :

Tot Ion: 41 Resp: 290076

Ion Ratio Lower Upper

41 100

42 63.7 53.8 80.8



#10

Heptane

Concen: 0.058 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL037326.D

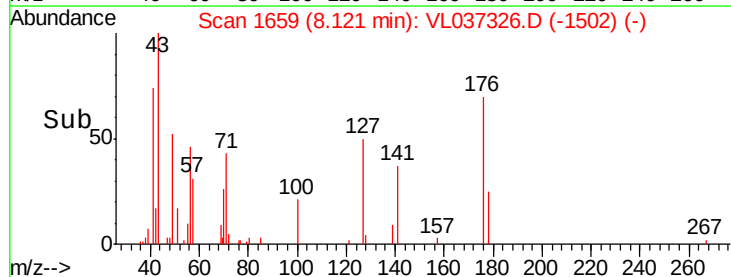
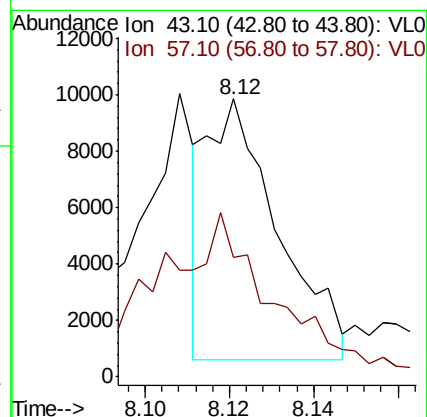
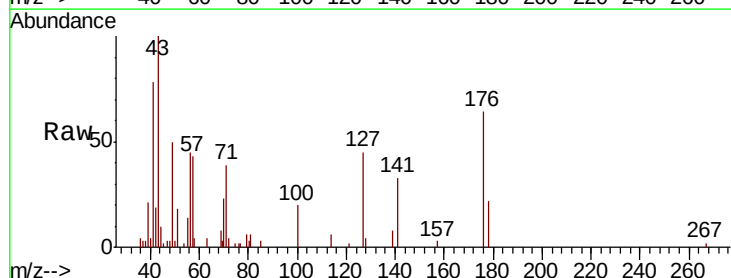
Acq: 5 Aug 2021 3:22

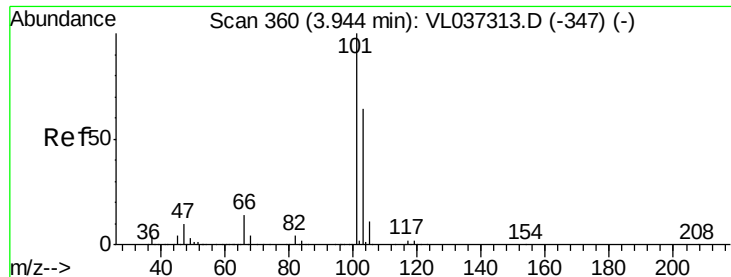
Tgt Ion: 43 Resp: 10826

Ion Ratio Lower Upper

43 100

57 121.6 42.4 63.6#

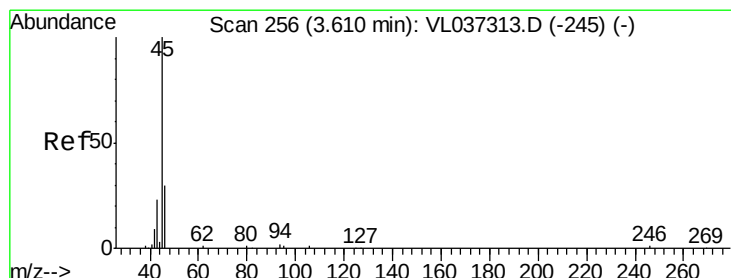
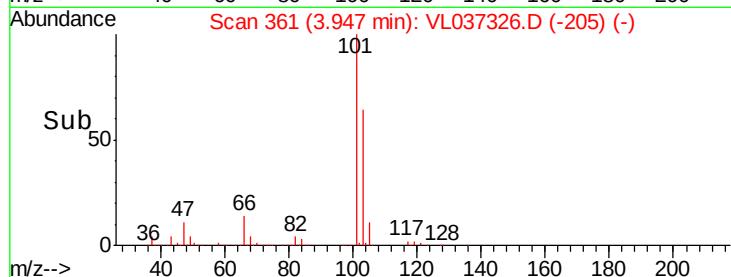
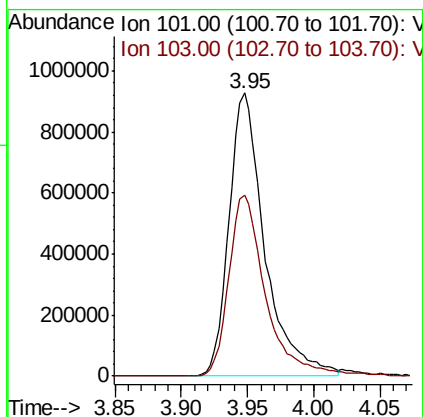
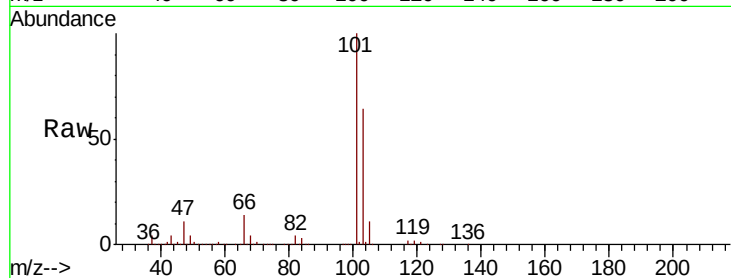




#11
 Trichlorofluoromethane
 Concen: 8.631 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

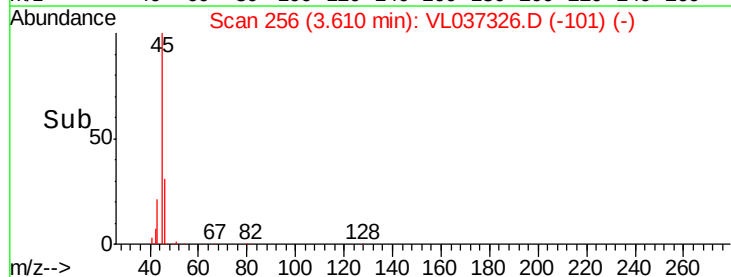
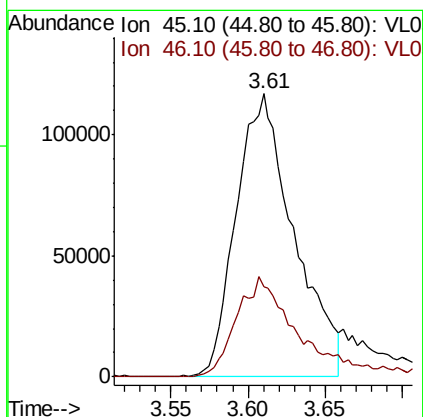
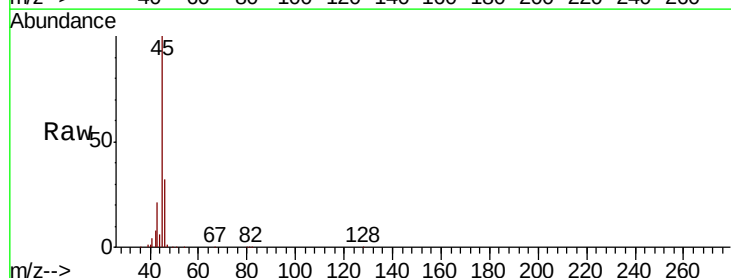
Instrument :
 MSVOA_L
 ClientSampleId :

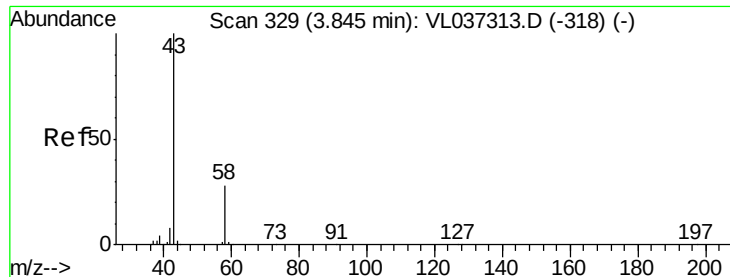
Tot Ion:101 Resp: 1745747
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4



#13
 Ethanol
 Concen: 25.107 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion: 45 Resp: 301048
 Ion Ratio Lower Upper
 45 100
 46 41.2 16.6 66.4





#15

Acetone

Concen: 36.779 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

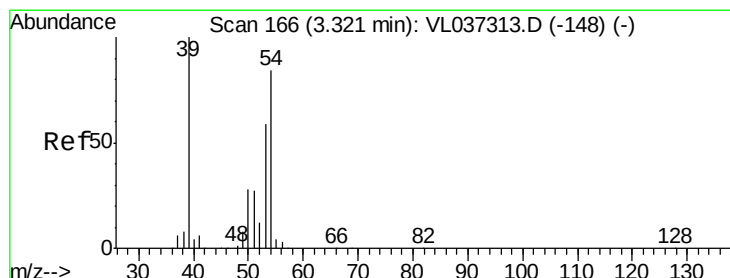
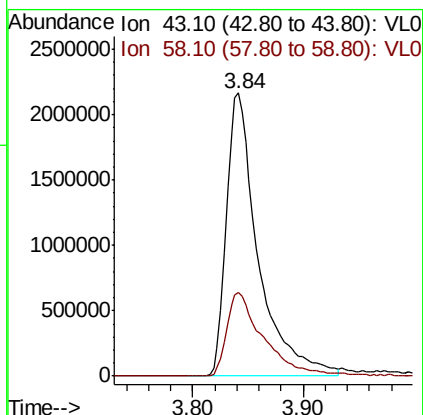
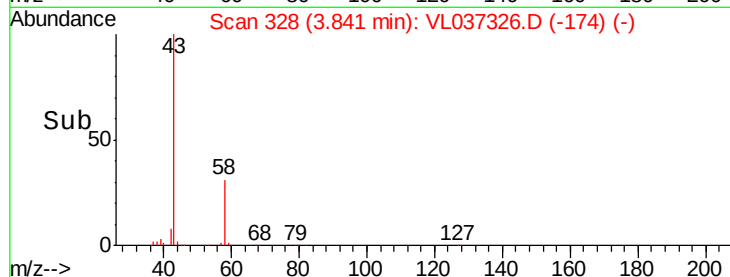
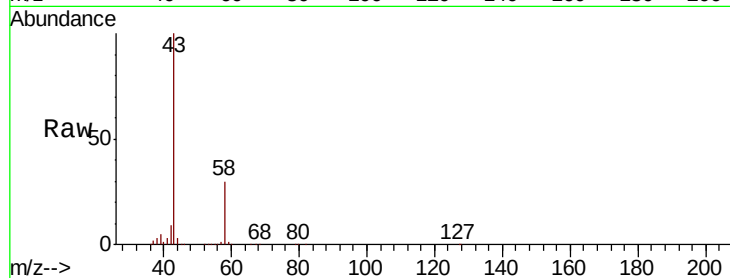
ClientSampleId :

Tot Ion: 43 Resp: 4326044

Ion Ratio Lower Upper

43 100

58 35.2 25.3 37.9



#16

1,3-Butadiene

Concen: 4.809 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037326.D

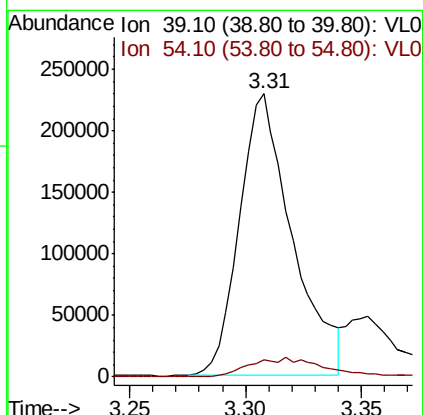
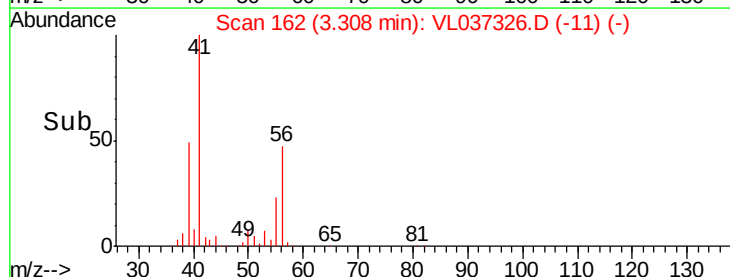
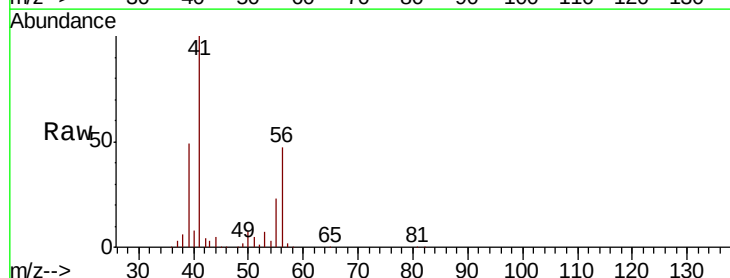
Acq: 5 Aug 2021 3:22

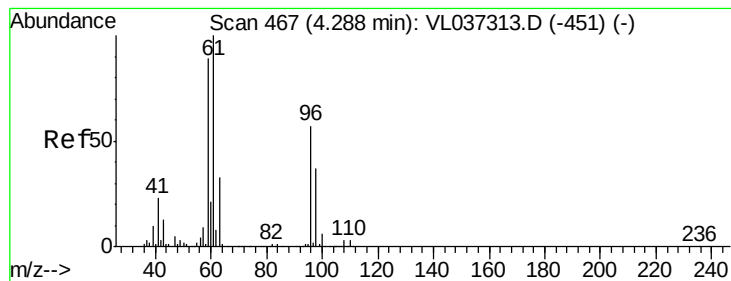
Tgt Ion: 39 Resp: 364373

Ion Ratio Lower Upper

39 100

54 10.1 66.1 99.1#





#17

tert-Butyl alcohol

Concen: 0.117 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

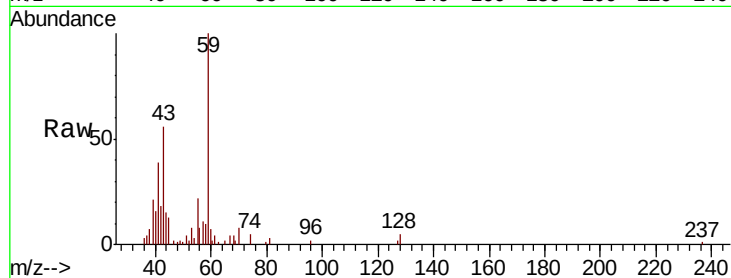
ClientSampleId :

Tot Ion: 59 Resp: 13875

Ion Ratio Lower Upper

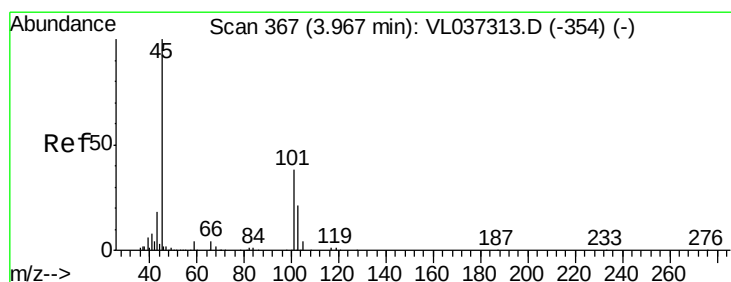
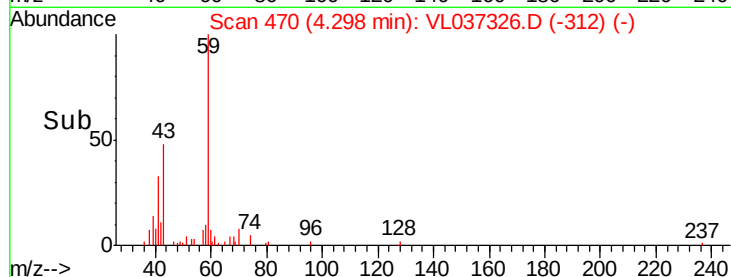
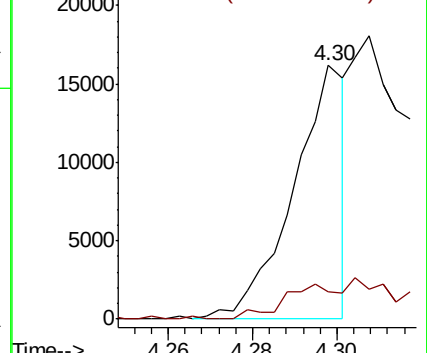
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 2.221 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL037326.D

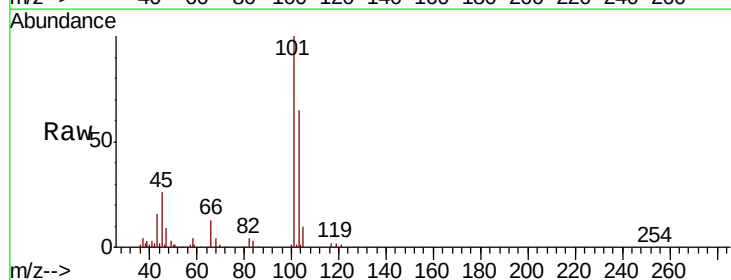
Acq: 5 Aug 2021 3:22

Tgt Ion: 45 Resp: 144600

Ion Ratio Lower Upper

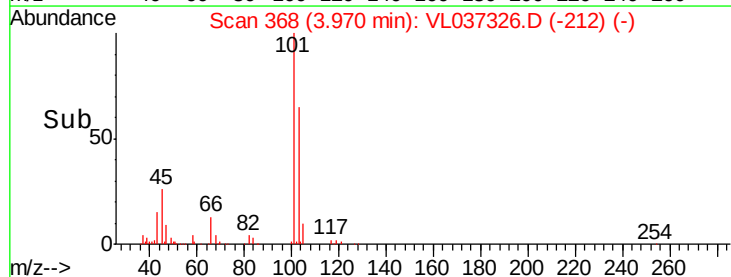
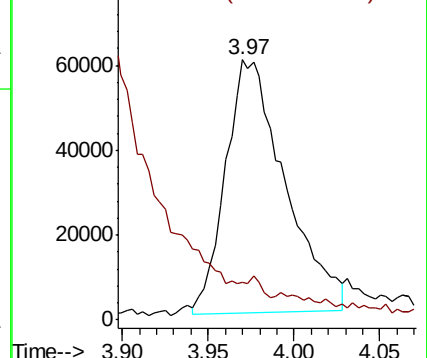
45 100

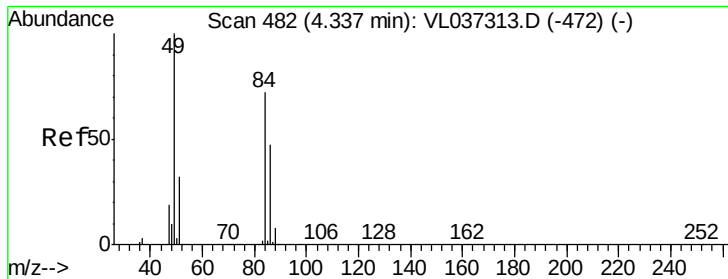
58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

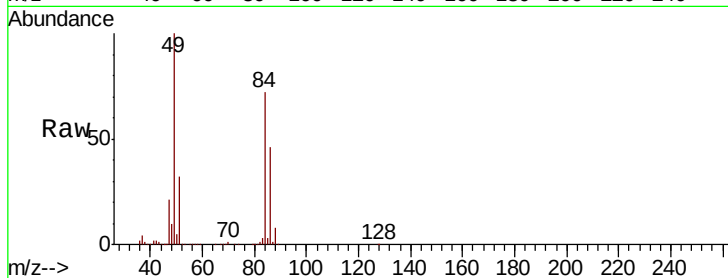




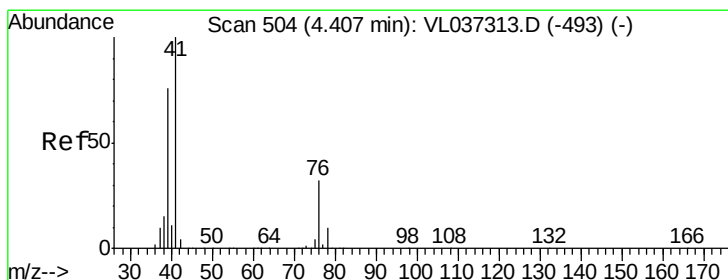
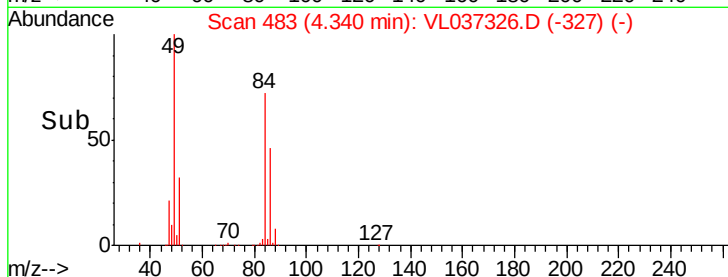
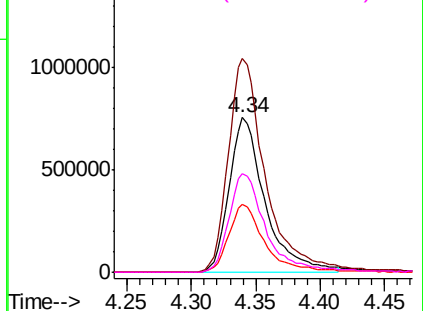
#20
Methvlene Chloride
Concen: 15.030 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1463651
Ion Ratio Lower Upper
84 100
49 138.4 110.4 165.6
51 44.0 35.8 53.6
86 63.8 51.8 77.8

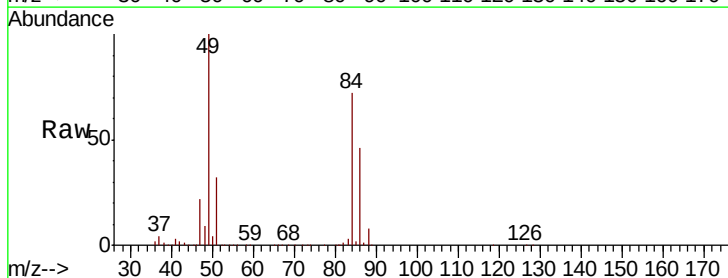


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

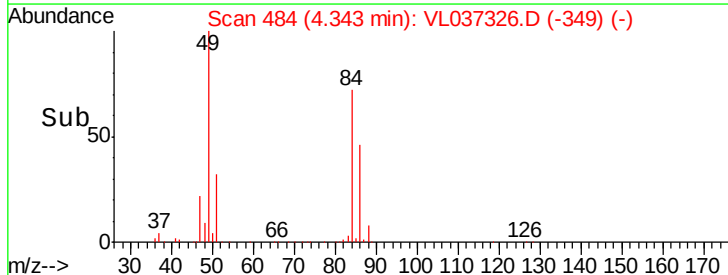
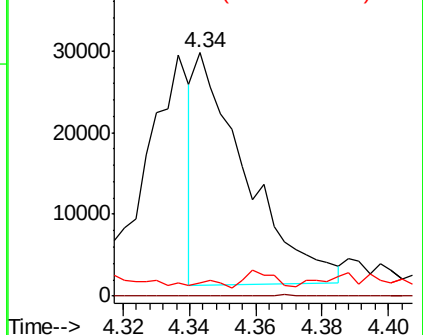


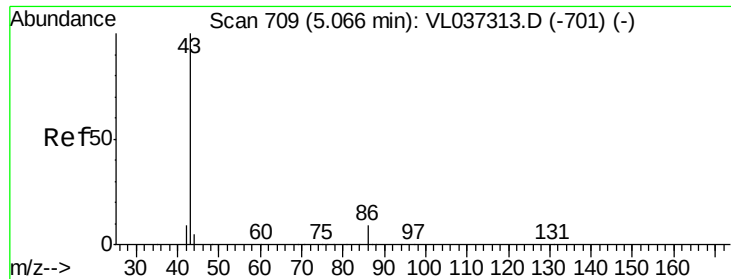
#21
Allyl Chloride
Concen: 0.318 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.06 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 41 Resp: 30234
Ion Ratio Lower Upper
41 100
76 0.0 25.7 38.5#
39 0.0 59.0 88.4#



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

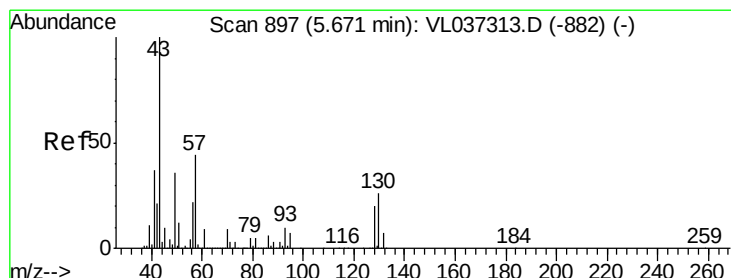
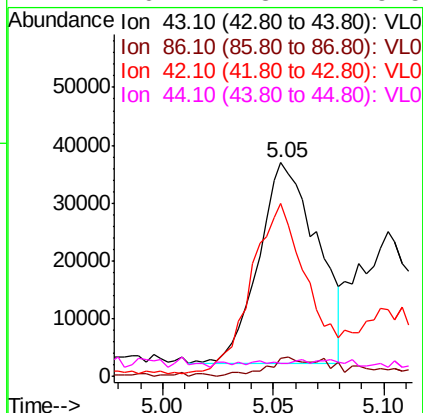
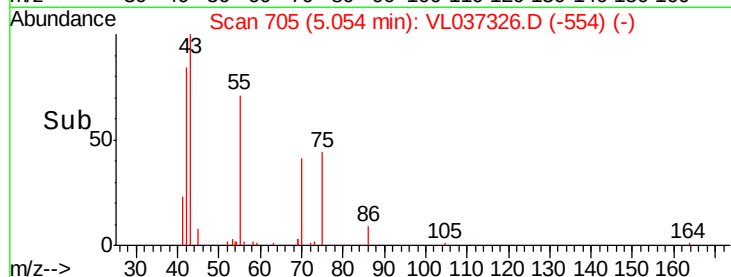
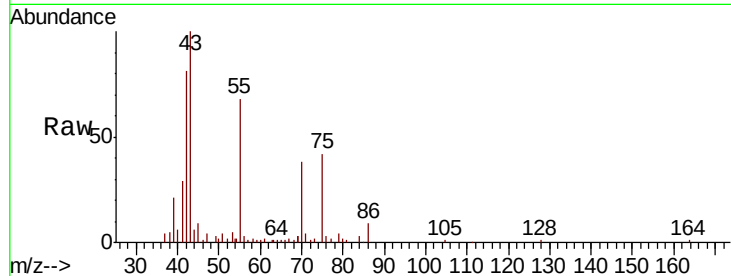




#23
 Vinyl Acetate
 Concen: 0.359 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

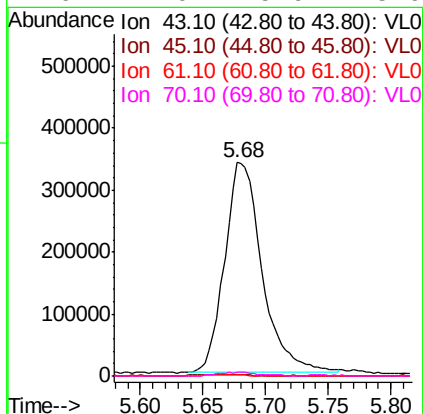
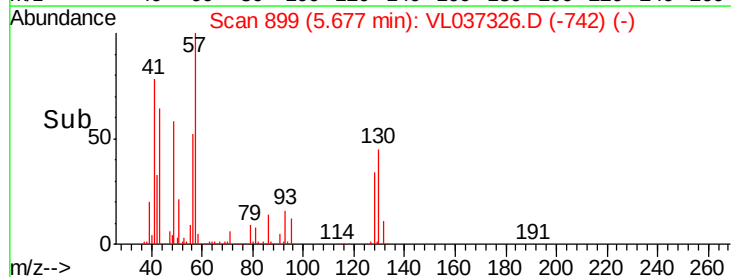
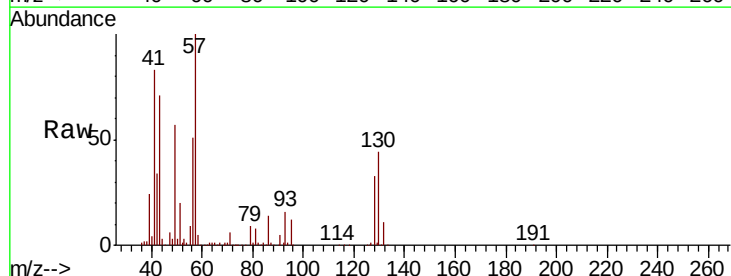
Instrument :
 MSVOA_L
 ClientSampled :

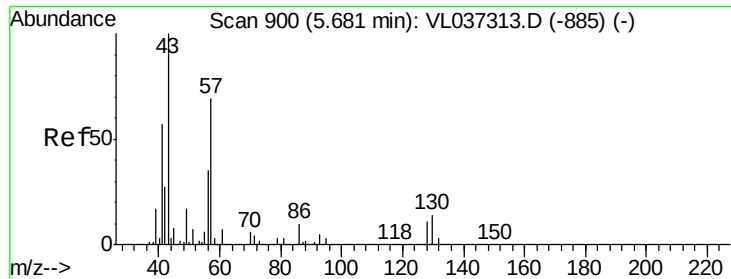
Tot Ion:	43	Resp:	63697
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.2	9.2
42	84.0	7.7	11.5#
44	0.7	3.7	5.5#



#25
 Ethyl Acetate
 Concen: 2.308 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion:	43	Resp:	705821
Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.8	11.8#
61	0.7	8.6	12.8#
70	2.0	5.9	8.9#

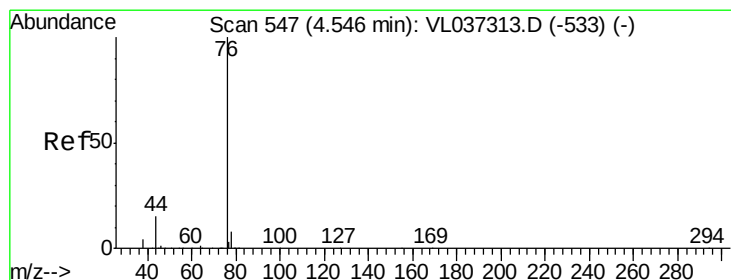
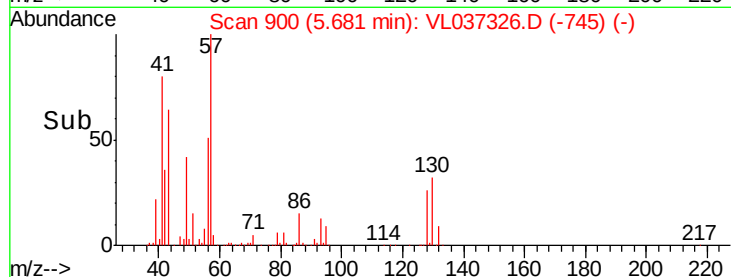
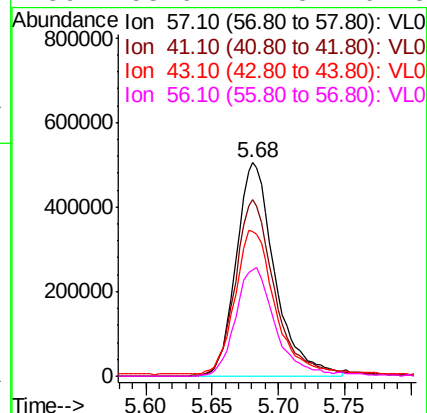
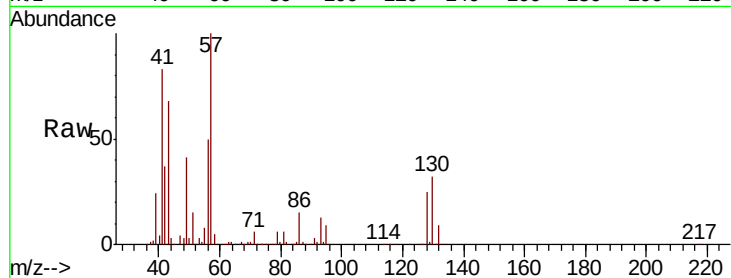




#26
Hexane
Concen: 5.960 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

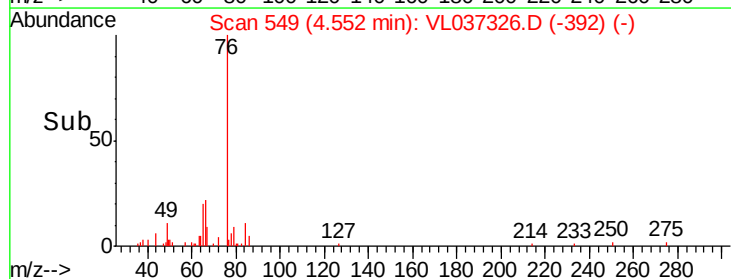
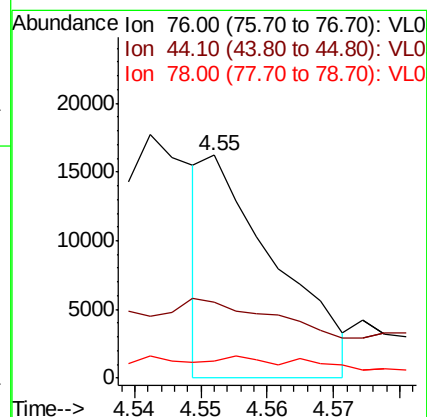
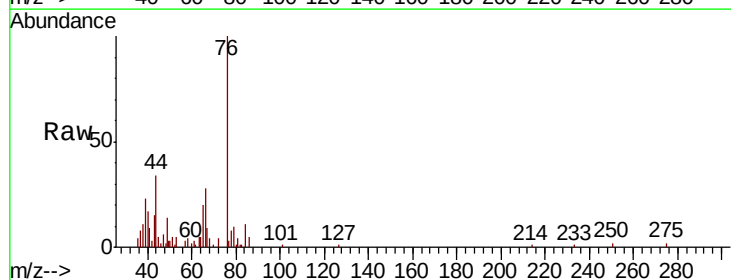
Instrument :
MSVOA_L
ClientSampleId :

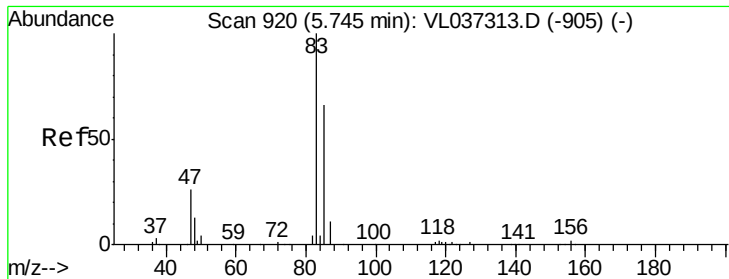
Tot Ion: 57 Resp: 1020124
Ion Ratio Lower Upper
57 100
41 86.3 67.5 101.3
43 71.4 163.0 244.4#
56 53.6 41.5 62.3



#27
Carbon Disulfide
Concen: 0.087 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 76 Resp: 12150
Ion Ratio Lower Upper
76 100
44 81.0 13.1 19.7#
78 0.0 8.0 12.0#

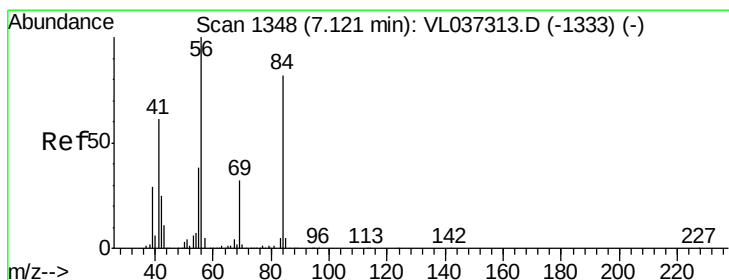
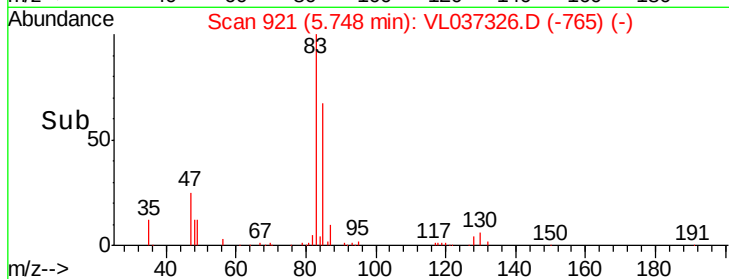
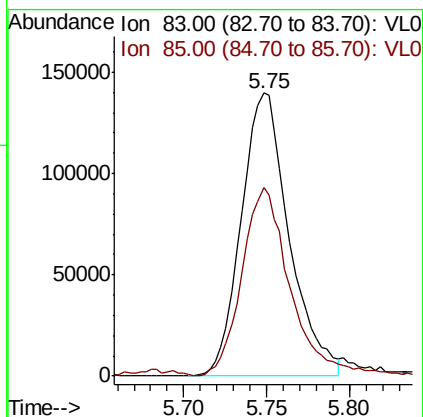
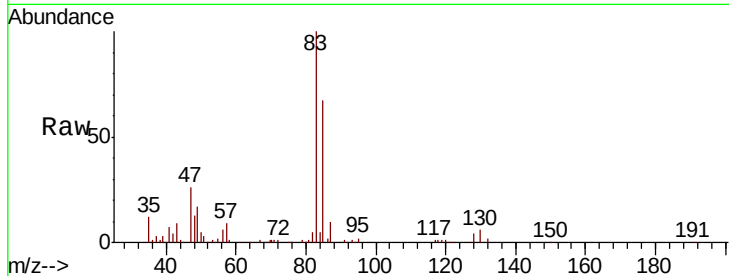




#29
Chloroform
Concen: 1.297 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

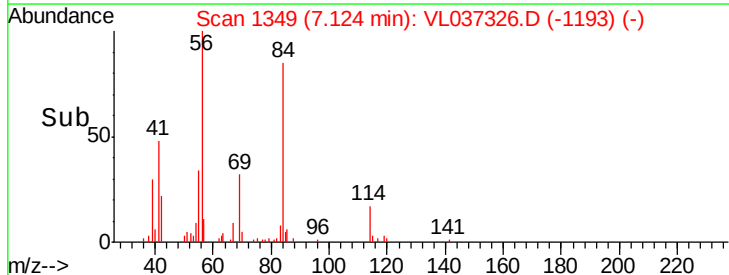
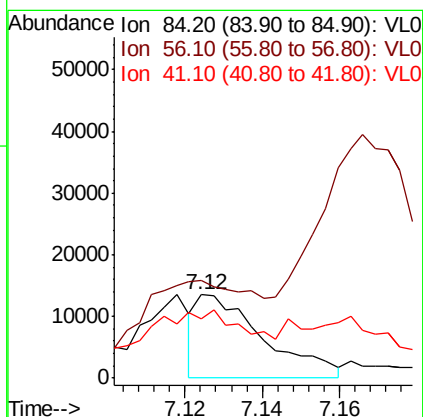
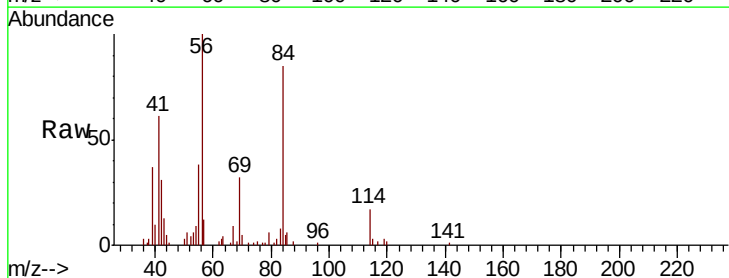
Instrument :
MSVOA_L
ClientSampleId :

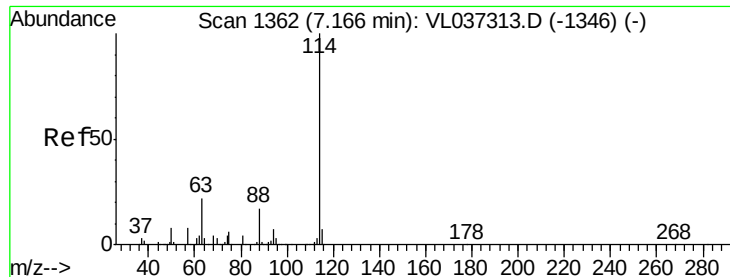
Tot Ion: 83 Resp: 281095
Ion Ratio Lower Upper
83 100
85 65.9 52.6 79.0



#30
Cyclohexane
Concen: 0.123 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 84 Resp: 16194
Ion Ratio Lower Upper
84 100
56 0.0 105.2 157.8#
41 120.2 61.3 91.9#



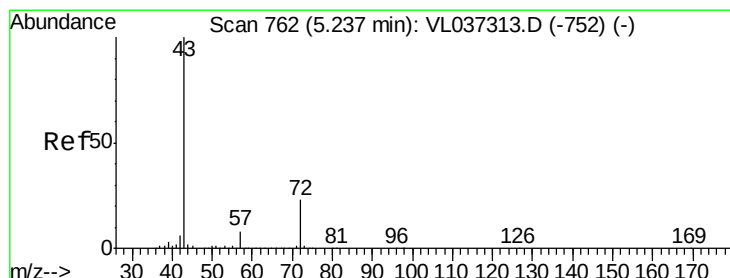
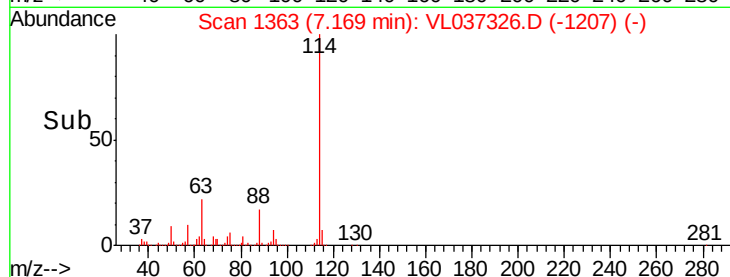
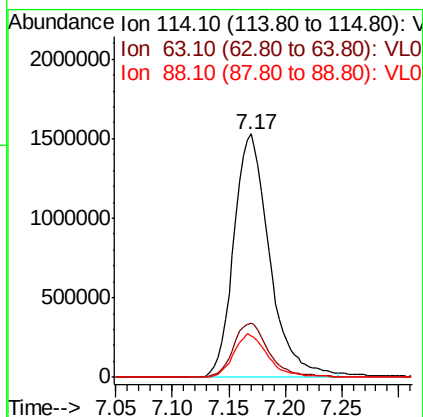
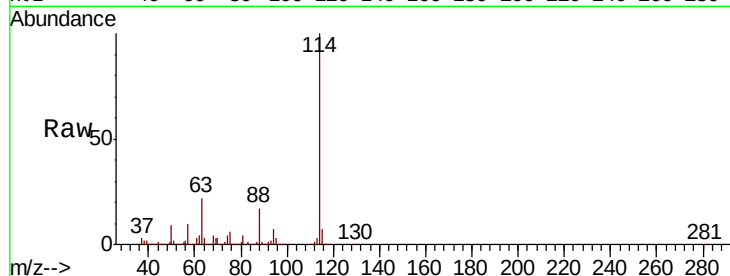


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3372917

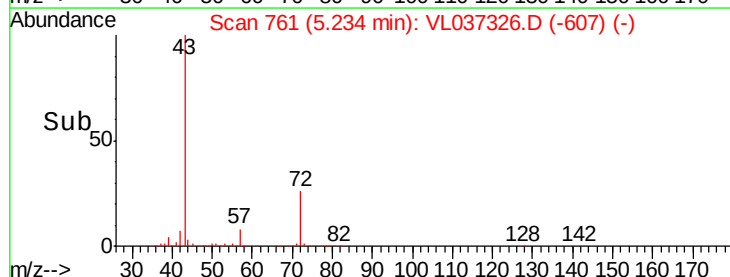
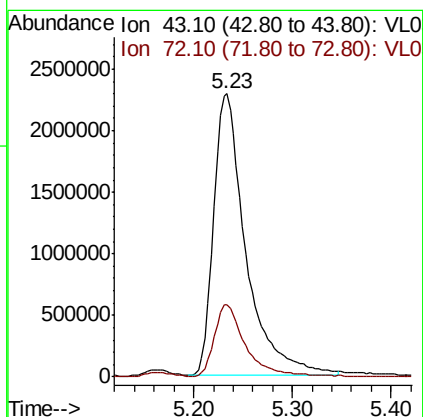
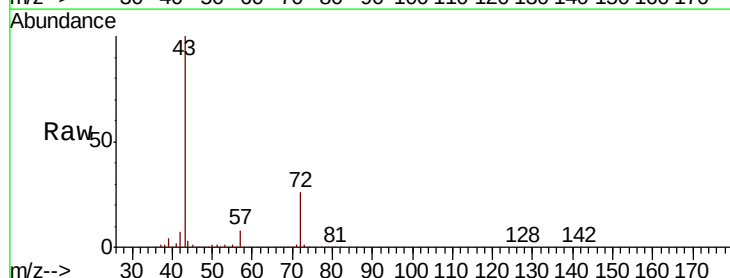
Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.1	27.1
88	17.5	13.8	20.8

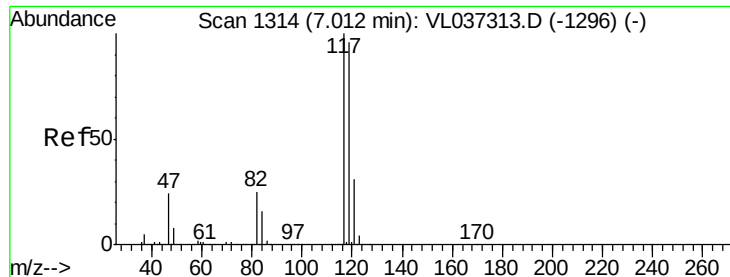


#34
 2-Butanone
 Concen: 44.807 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion: 43 Resp: 5244338

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.3	30.5





#35

Carbon Tetrachloride

Concen: 0.823 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

ClientSampled :

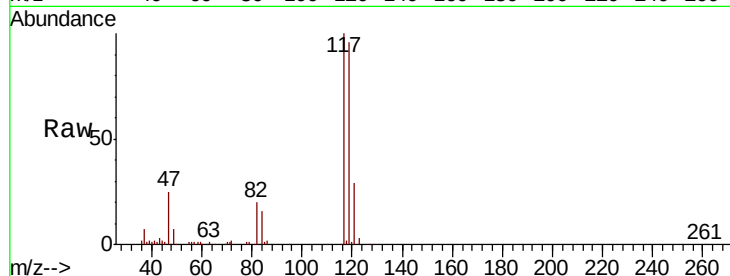
Tot Ion:117 Resp: 165734

Ion Ratio Lower Upper

117 100

119 95.0 76.6 114.8

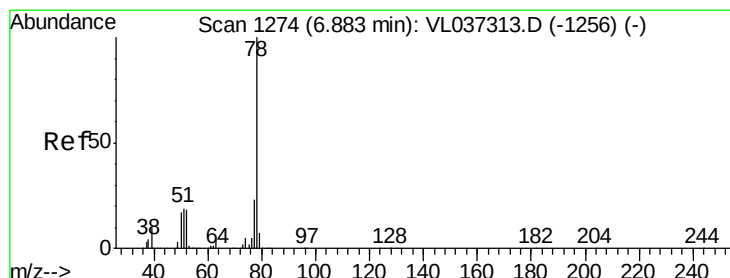
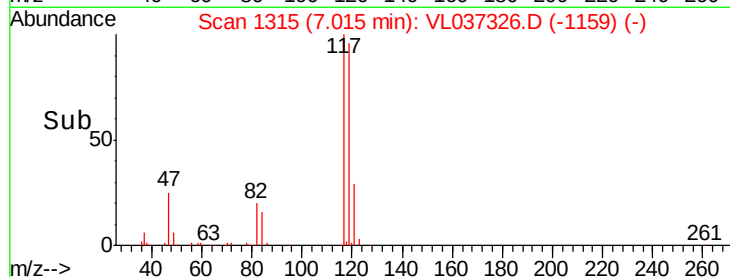
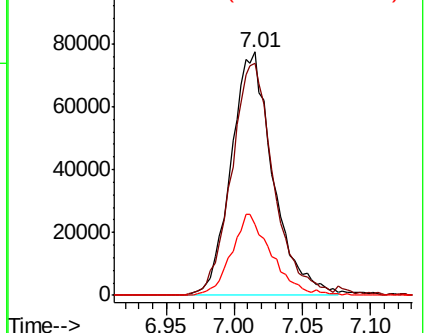
121 28.9 24.9 37.3



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: 0.350 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

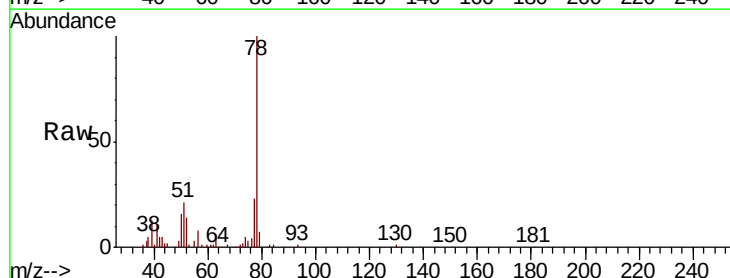
Tgt Ion: 78 Resp: 106291

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1

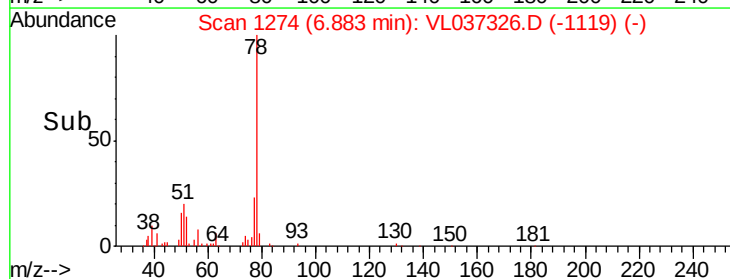
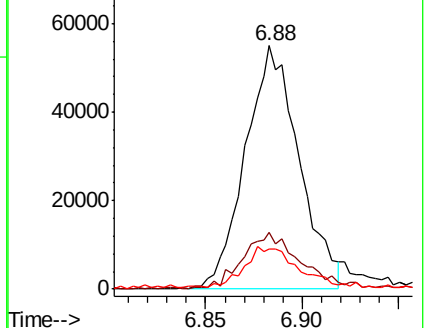
50 15.1 13.7 20.5

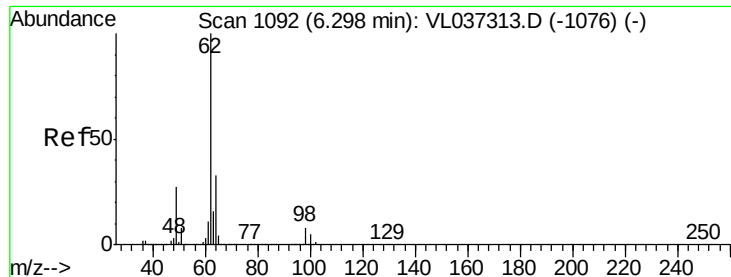


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

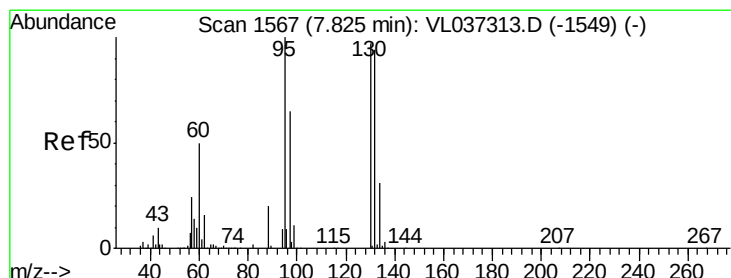
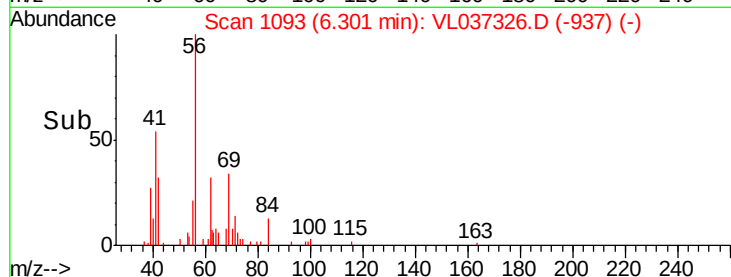
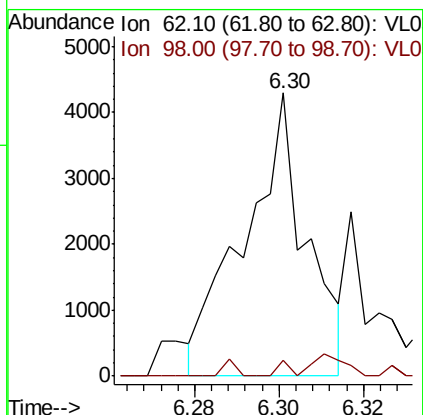
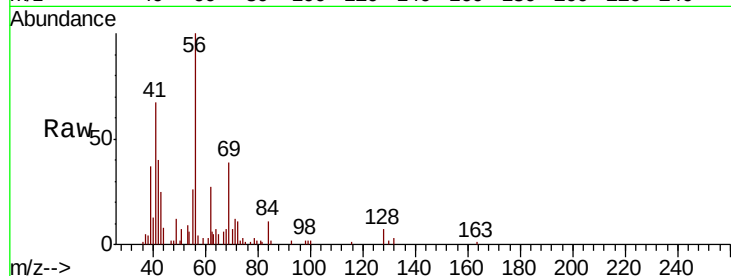




#37
 1,2-Dichloroethane
 Concen: 0.031 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

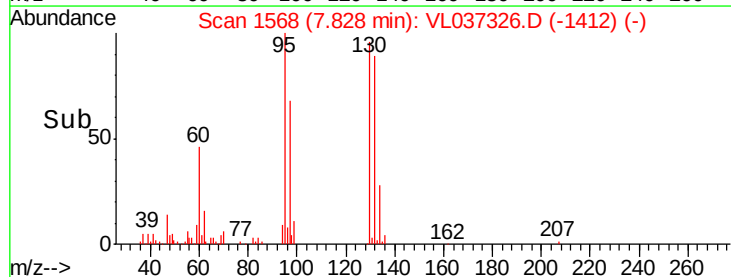
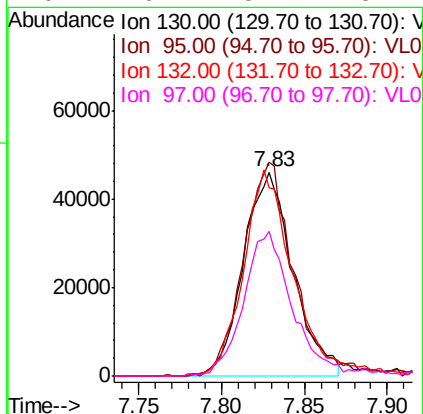
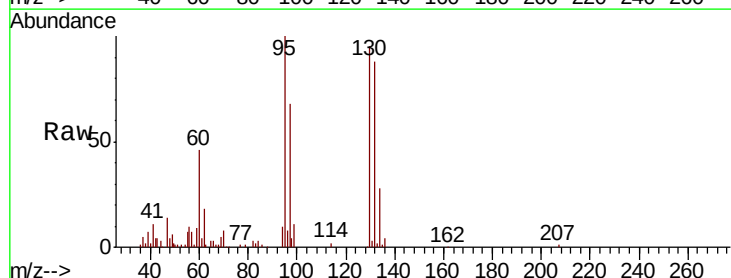
Instrument :
 MSVOA_L
 ClientSampled :

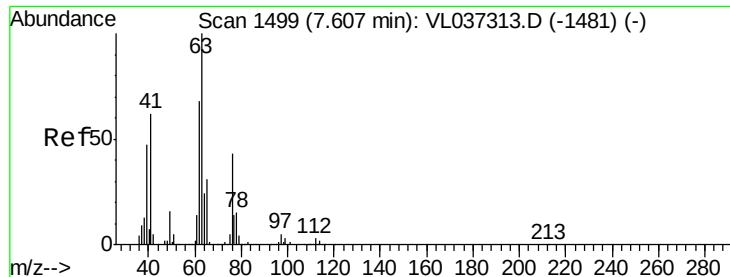
Tot Ion: 62 Resp: 4341
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#38
 Trichloroethene
 Concen: 0.721 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion:130 Resp: 95775
 Ion Ratio Lower Upper
 130 100
 95 104.3 82.8 124.2
 132 92.3 78.2 117.4
 97 70.2 54.2 81.2

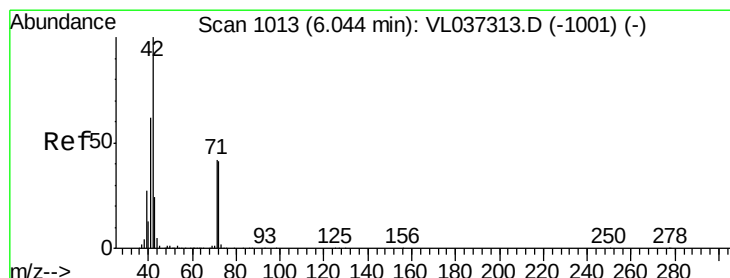
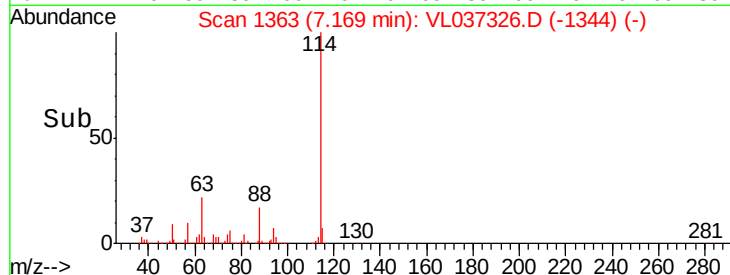
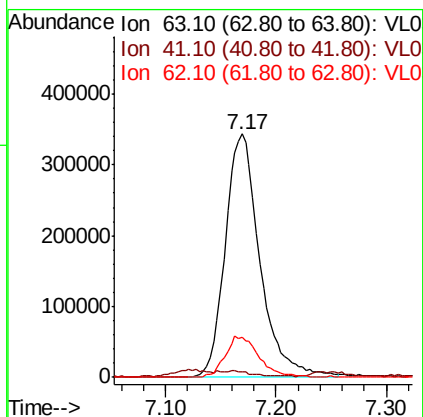
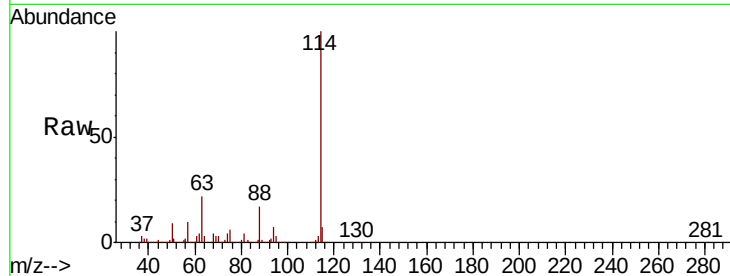




#39
 1,2-Dichloropropane
 Concen: 6.632 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

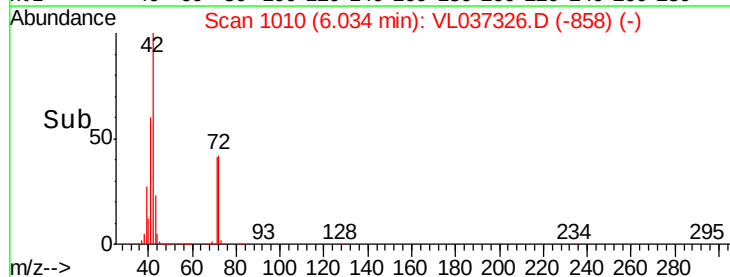
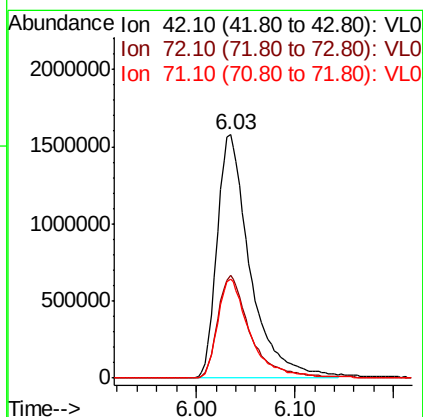
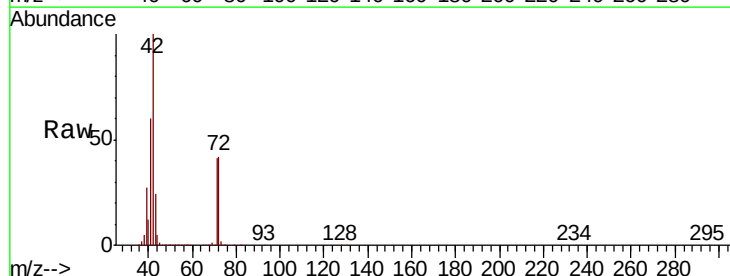
Instrument :
 MSVOA_L
 ClientSampleId :

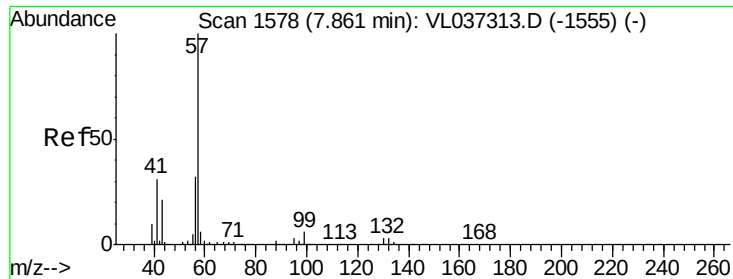
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.4	49.2	73.8#
62	16.5	54.2	81.4#



#41
 Tetrahydrofuran
 Concen: 56.683 ppbv
 RT: 6.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.6	50.4
71	40.7	33.0	49.4

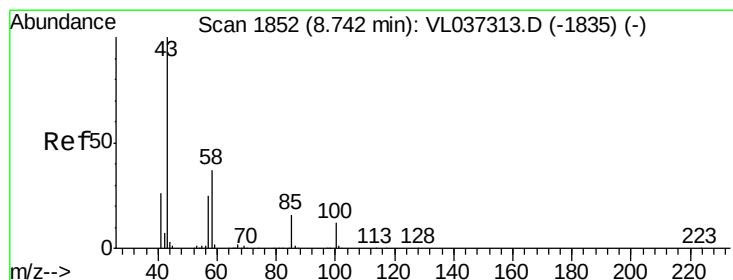
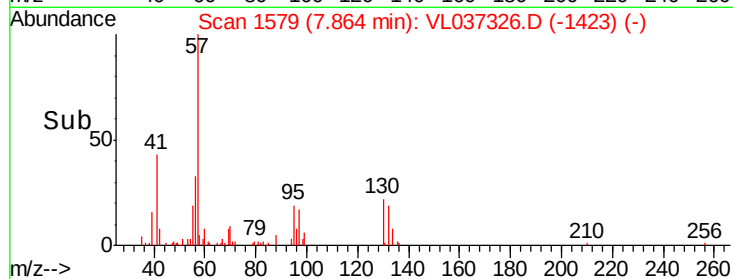
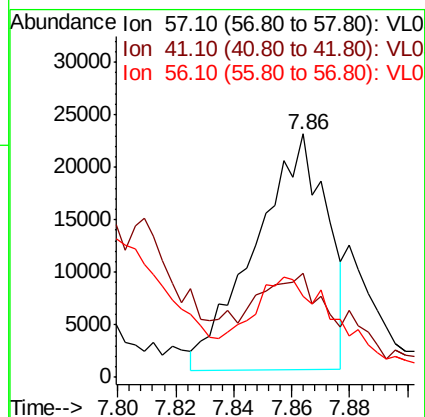
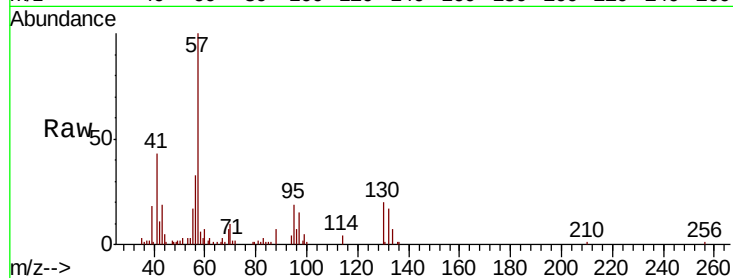




#44
 2,2,4-Trimethylpentane
 Concen: 0.076 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

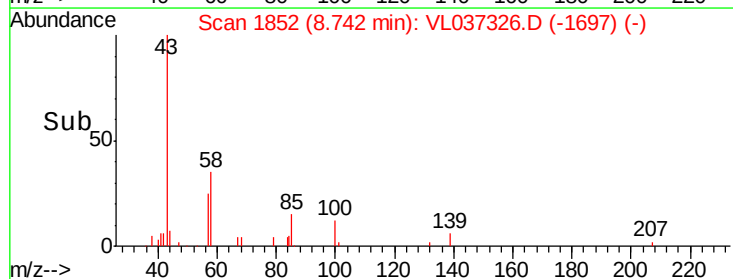
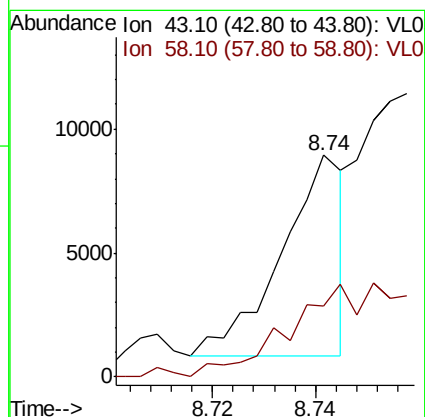
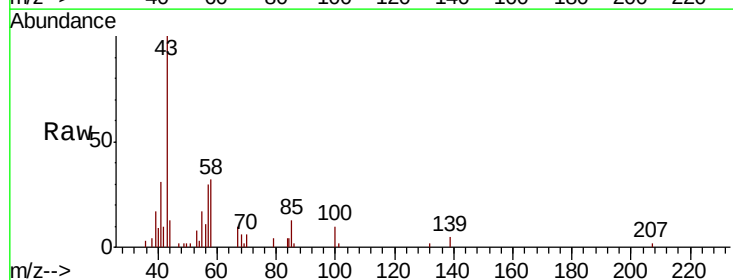
Instrument :
 MSVOA_L
 ClientSampleId :

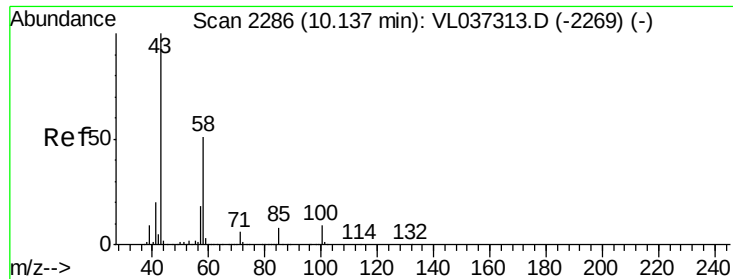
Tot Ion: 57 Resp: 38322
 Ion Ratio Lower Upper
 57 100
 41 63.3 24.3 36.5#
 56 54.3 25.0 37.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.038 ppbv
 RT: 8.74 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion: 43 Resp: 6846
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.0 46.4#

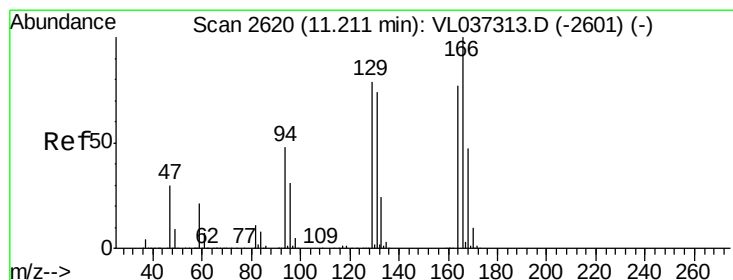
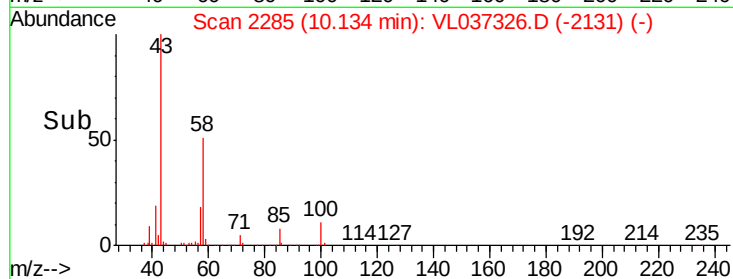
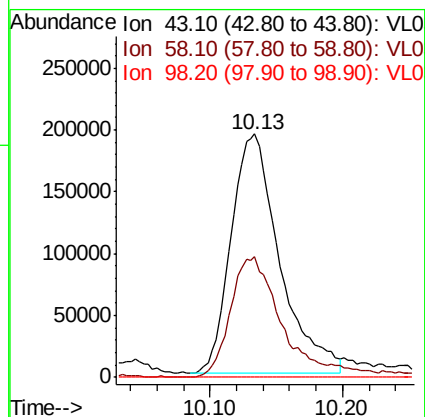
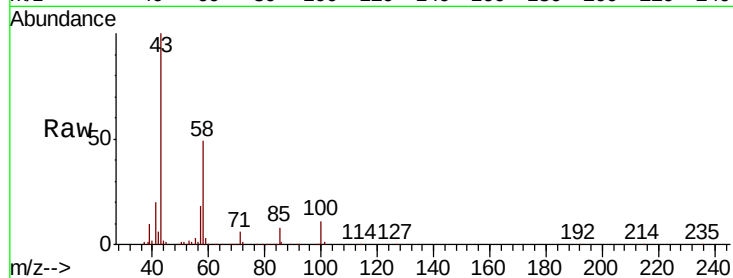




#51
2-Hexanone
Concen: 6.022 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

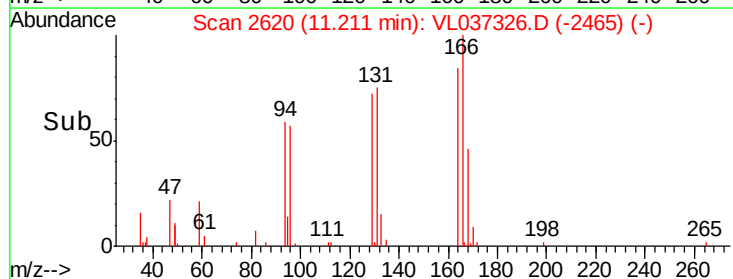
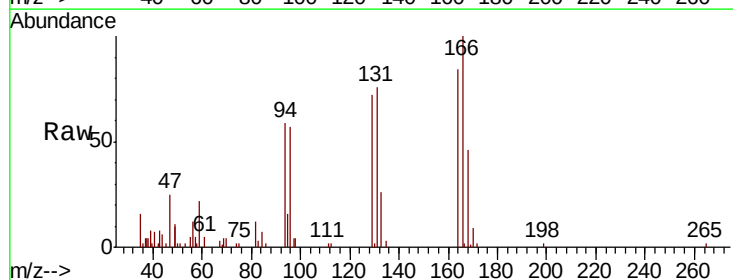
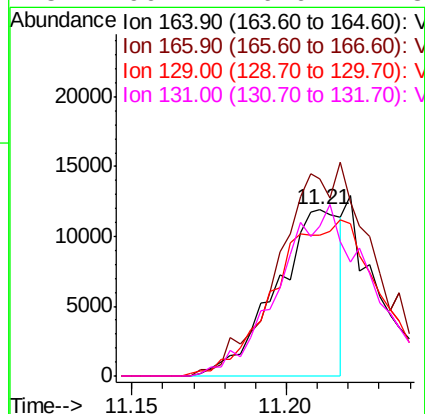
Instrument :
MSVOA_L
ClientSampled :

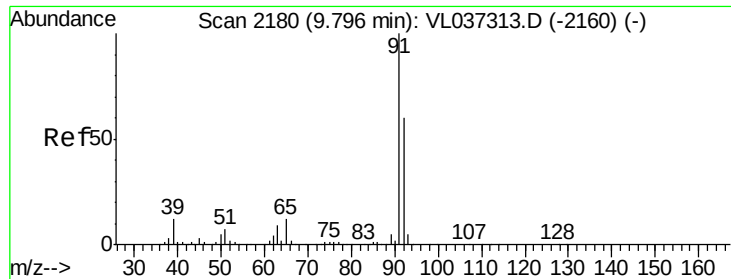
Tot Ion: 43 Resp: 490679
Ion Ratio Lower Upper
43 100
58 54.7 40.9 61.3
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.132 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 164 Resp: 17278
Ion Ratio Lower Upper
164 100
166 118.4 103.4 155.2
129 83.1 82.2 123.2
131 90.2 76.6 114.8

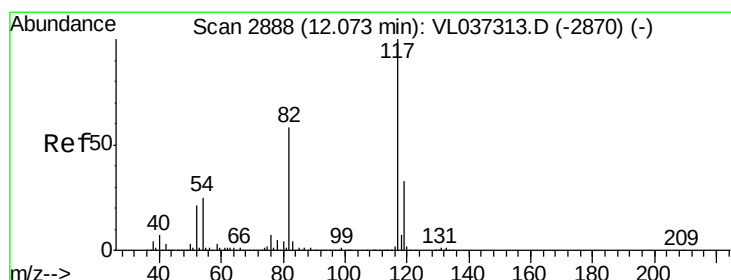
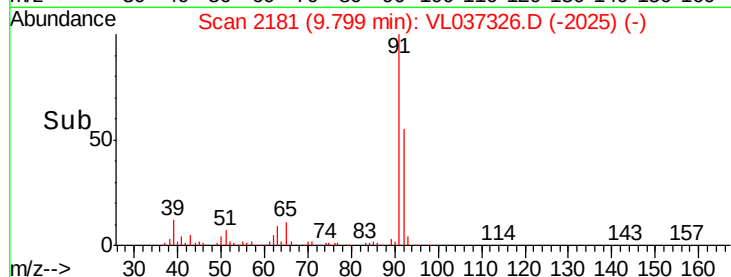
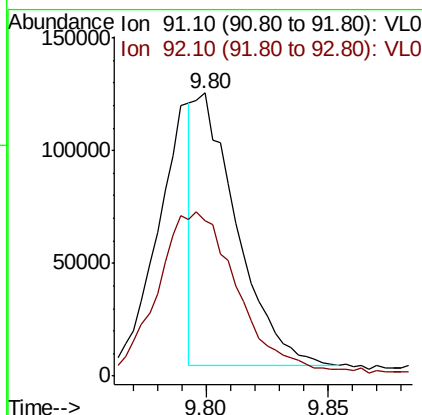
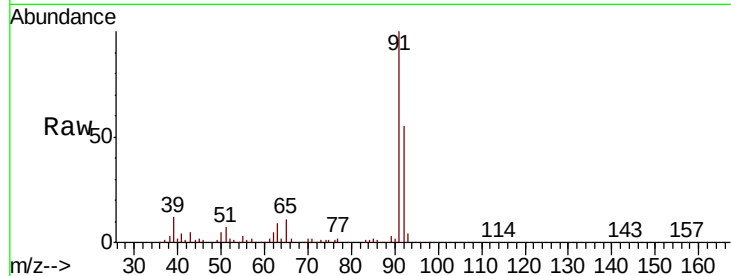




#53
Toluene
Concen: 0.409 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

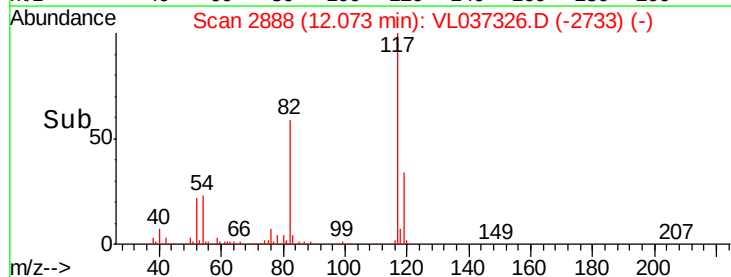
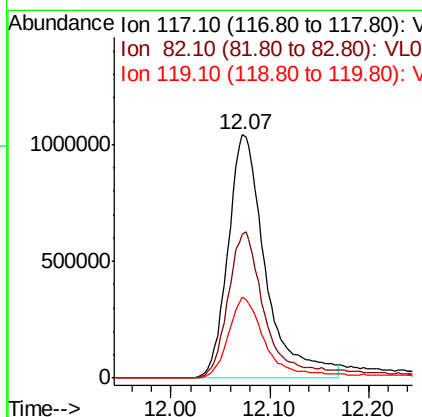
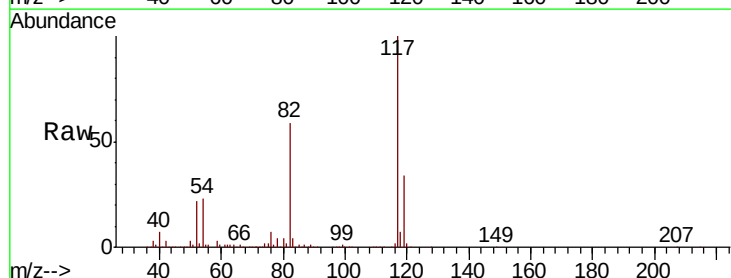
Instrument :
MSVOA_L
ClientSampleId :

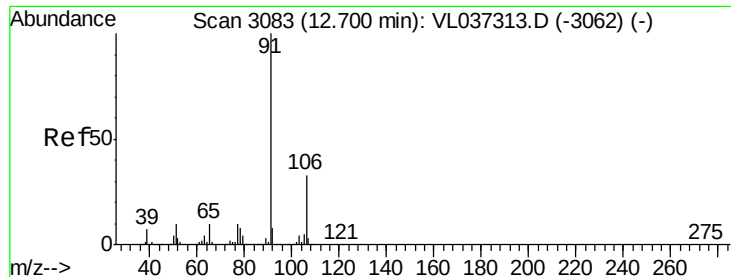
Tot Ion: 91 Resp: 146426
Ion Ratio Lower Upper
91 100
92 118.1 48.8 73.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 117 Resp: 2772673
Ion Ratio Lower Upper
117 100
82 66.1 50.3 75.5
119 36.4 48.2 72.2#





#58

Ethyl Benzene

Concen: 0.097 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

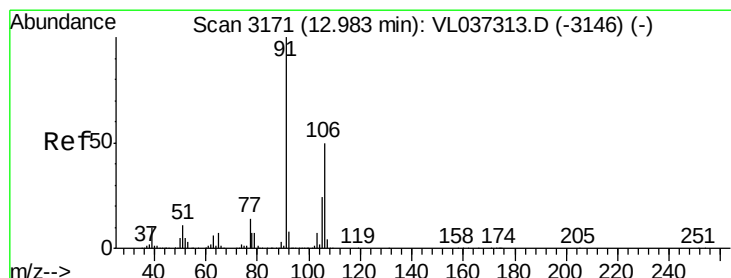
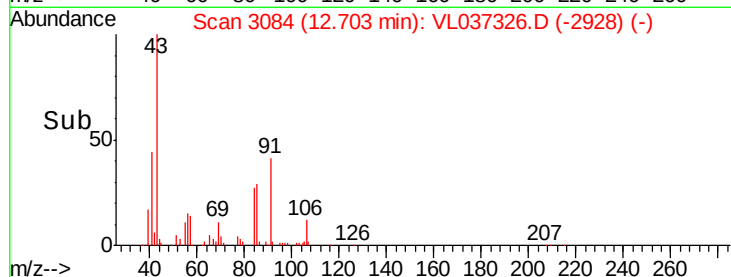
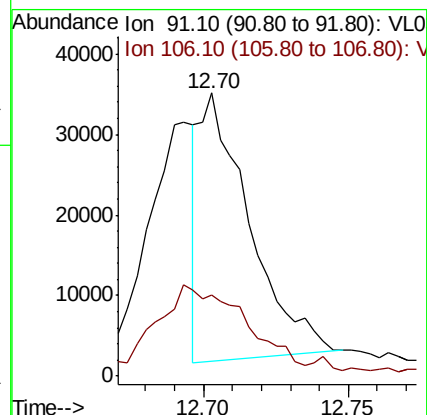
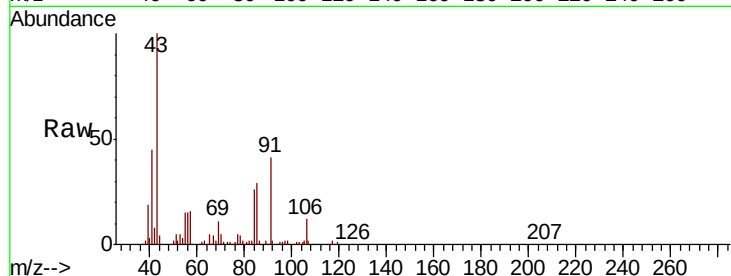
ClientSampled :

Tot Ion: 91 Resp: 39337

Ion Ratio Lower Upper

91 100

106 29.6 26.2 39.2



#59

m/p-Xylene

Concen: 0.368 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.02 min

Lab File: VL037326.D

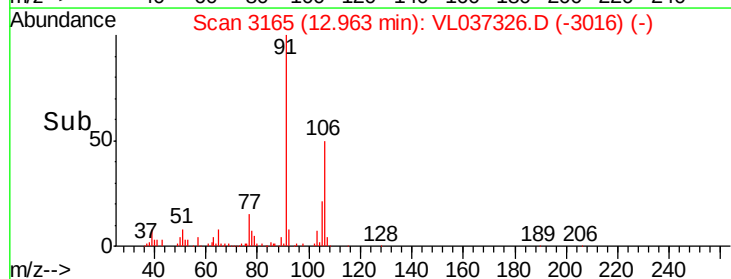
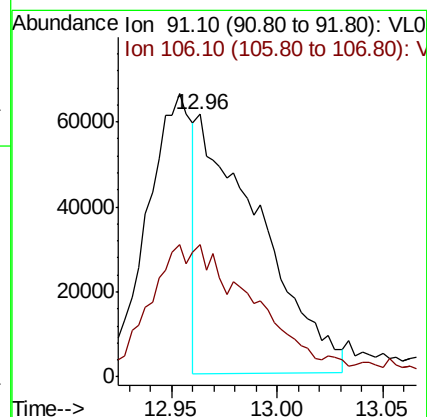
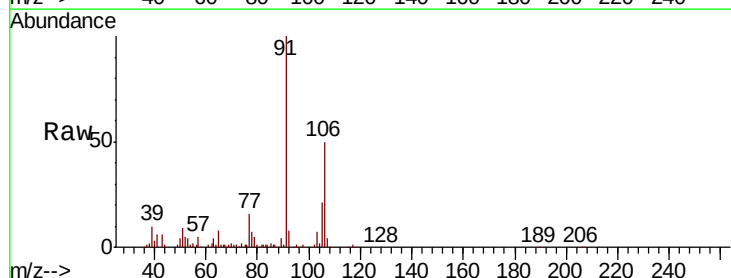
Acq: 5 Aug 2021 3:22

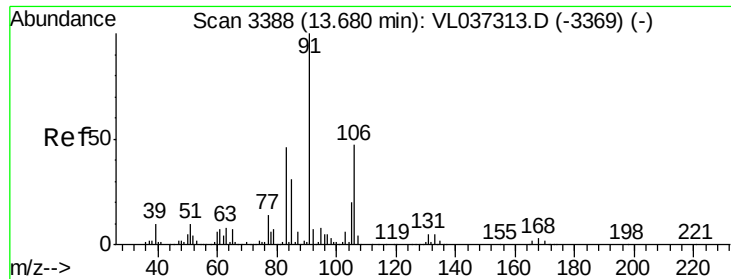
Tgt Ion: 91 Resp: 126275

Ion Ratio Lower Upper

91 100

106 90.5 37.8 56.8#

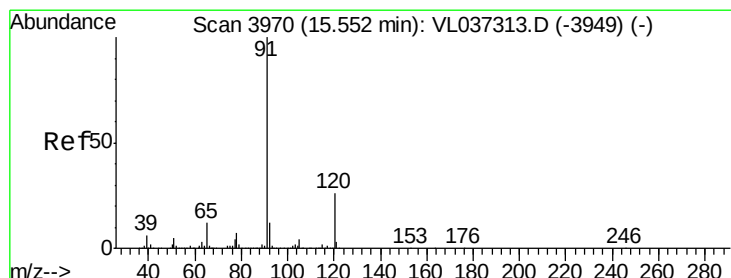
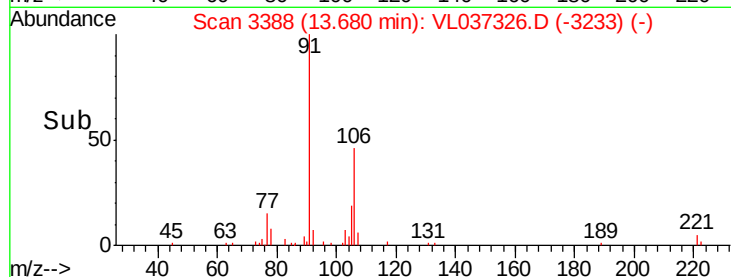
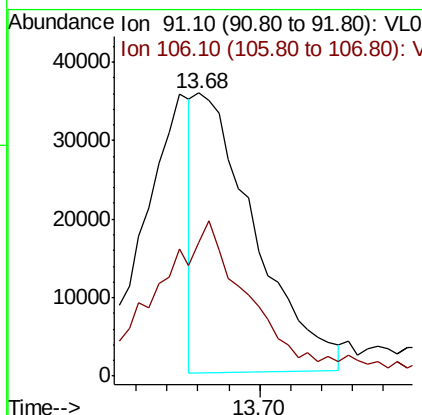
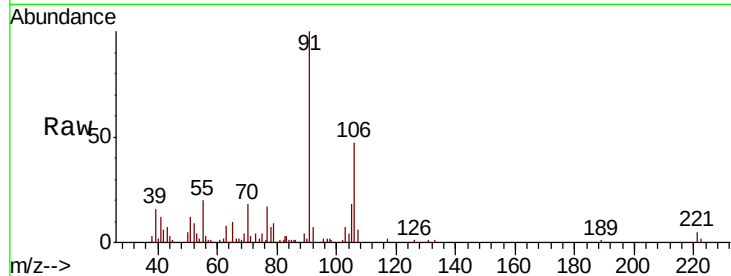




#60
o-Xylene
Concen: 0.153 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

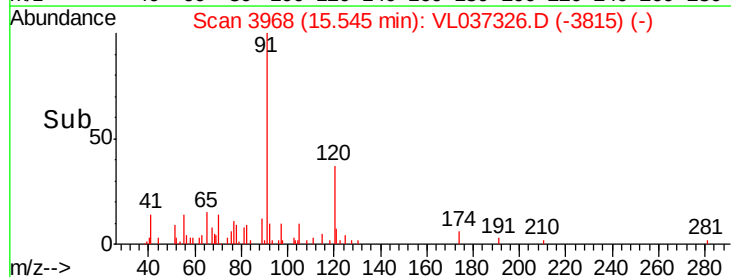
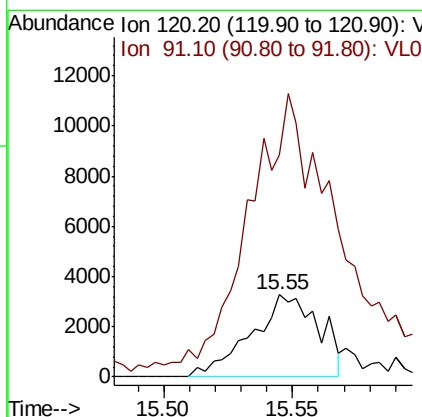
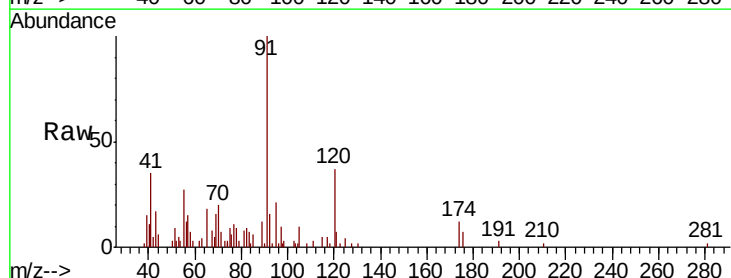
Instrument :
MSVOA_L
ClientSampleId :

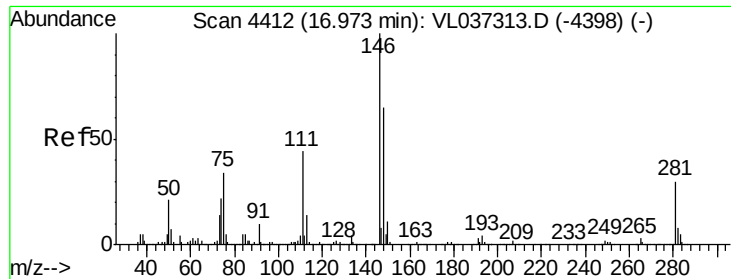
Tot Ion: 91 Resp: 47610
Ion Ratio Lower Upper
91 100
106 93.0 26.3 78.8#



#64
n-propylbenzene
Concen: 0.050 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. -0.01 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion:120 Resp: 5958
Ion Ratio Lower Upper
120 100
91 520.2 361.0 541.4

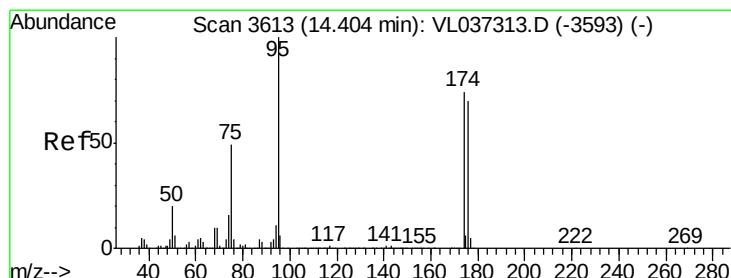
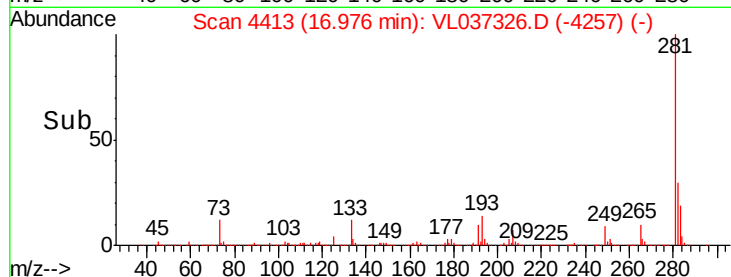
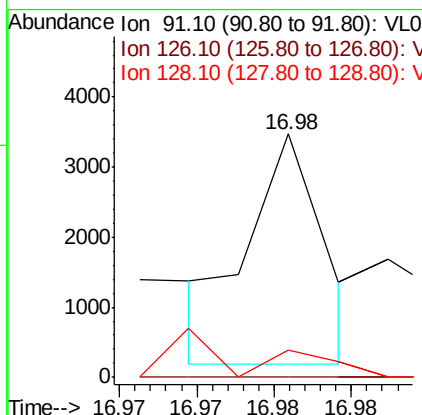
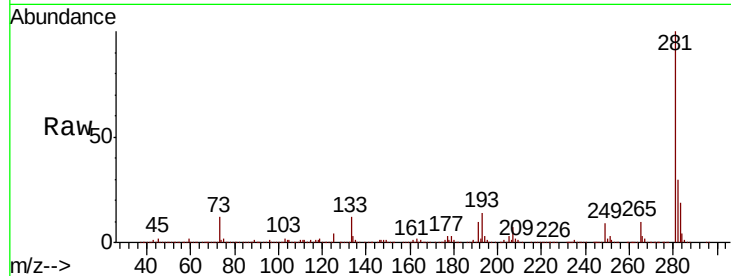




#66
Benzyl Chloride
Concen: 0.068 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

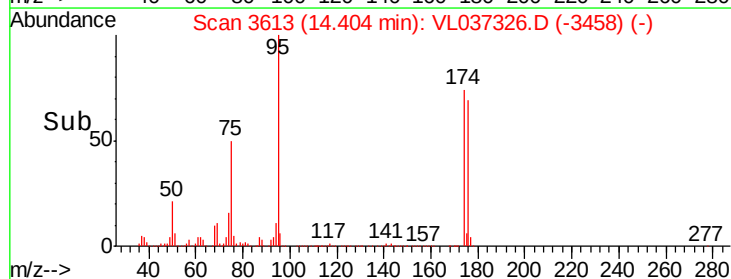
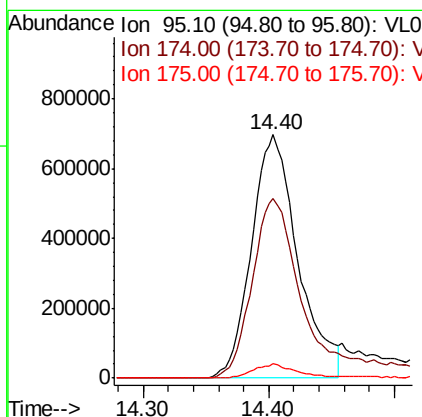
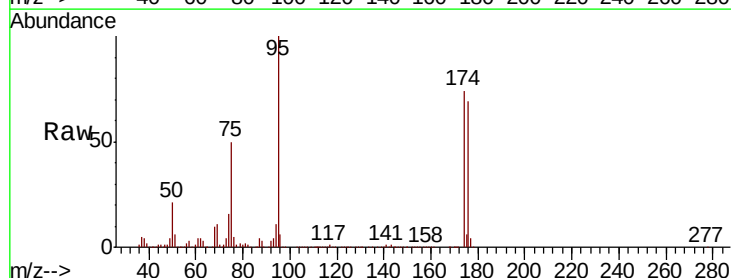
Instrument :
MSVOA_L
ClientSampleId :

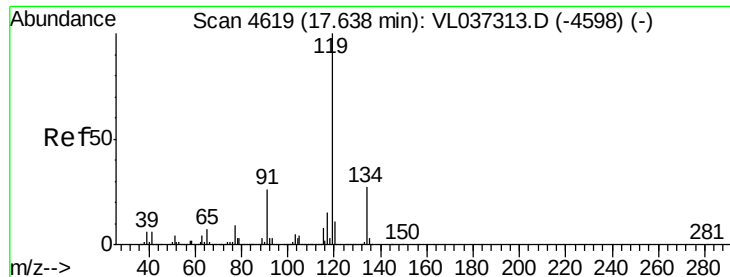
Tot Ion: 91 Resp: 1107
Ion Ratio Lower Upper
91 100
126 0.0 17.8 26.6#
128 0.0 5.8 8.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.486 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.00 min
Lab File: VL037326.D
Acq: 5 Aug 2021 3:22

Tgt Ion: 95 Resp: 1796646
Ion Ratio Lower Upper
95 100
174 88.6 66.9 100.3
175 5.6 5.1 7.7

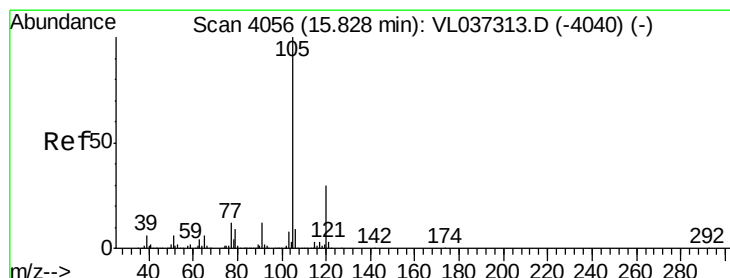
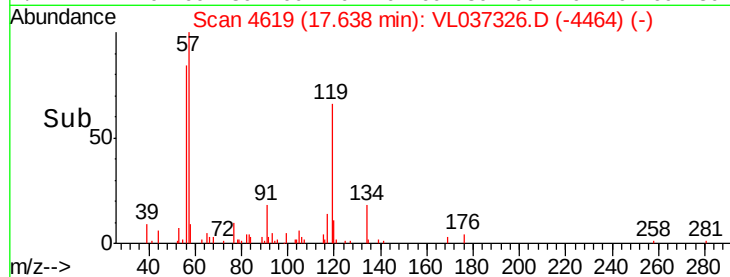
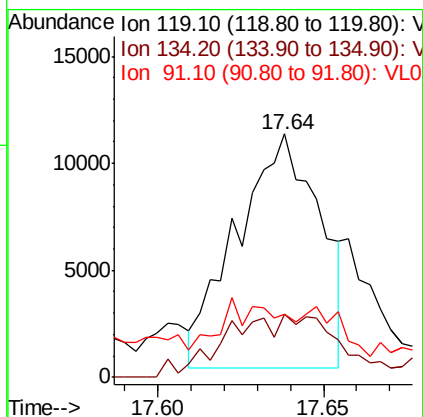
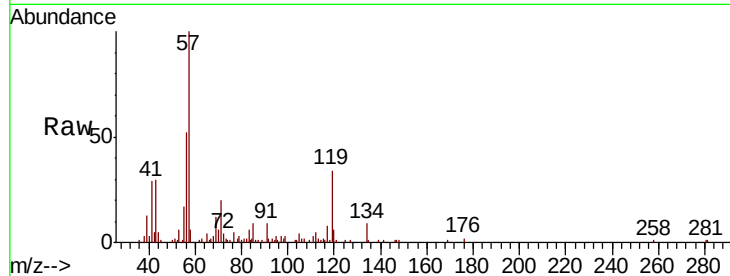




#69
 p-Isopropyltoluene
 Concen: 0.040 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

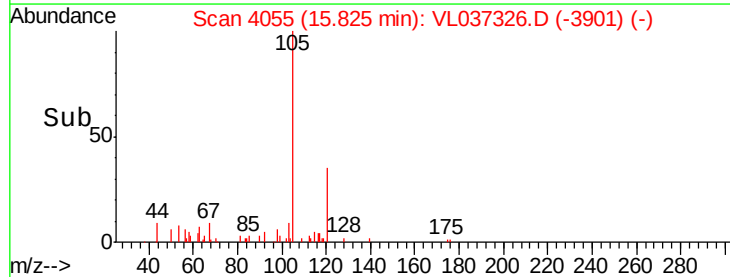
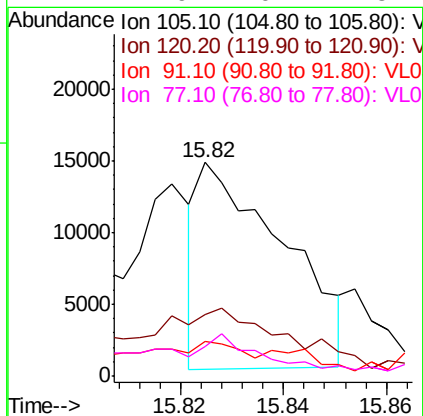
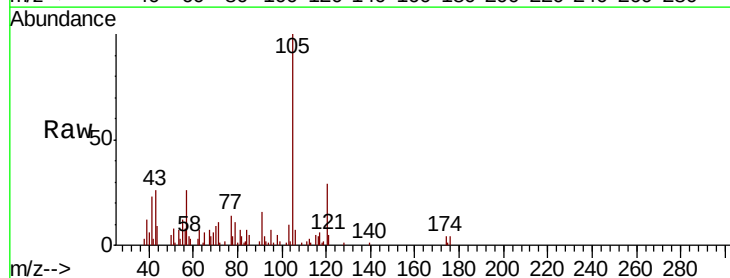
Instrument :
 MSVOA_L
 ClientSampled :

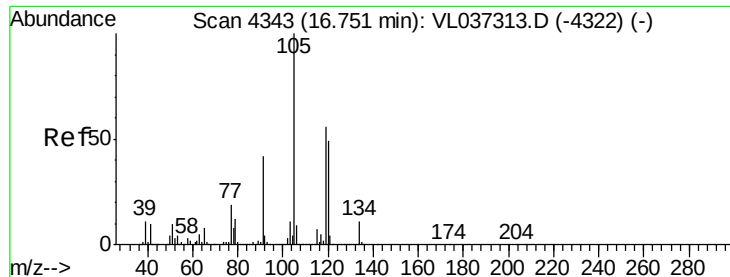
Tot Ion	Ratio	Lower	Upper
119	100		
134	39.5	21.0	31.6#
91	58.1	20.5	30.7#



#72
 4-Ethyltoluene
 Concen: 0.044 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	62.7	25.6	38.4#
91	43.0	9.4	14.2#
77	24.9	10.2	15.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.307 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037326.D

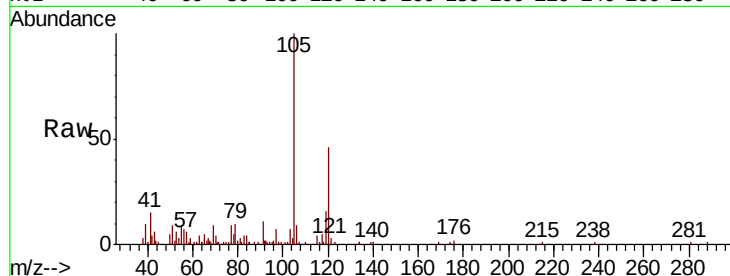
Acq: 5 Aug 2021 3:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	111007
Ion Ratio	Lower	Upper
105	100	
120	46.9	39.6 59.4
91	10.3	34.5 51.7#
77	8.8	15.3 22.9#

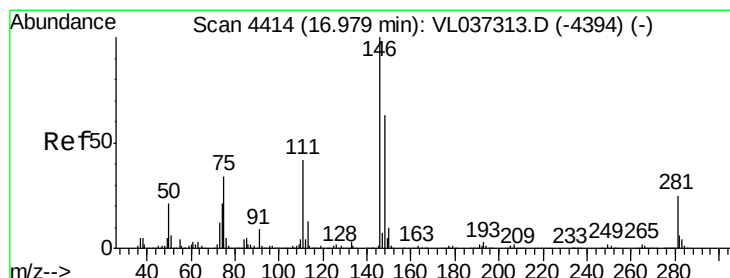
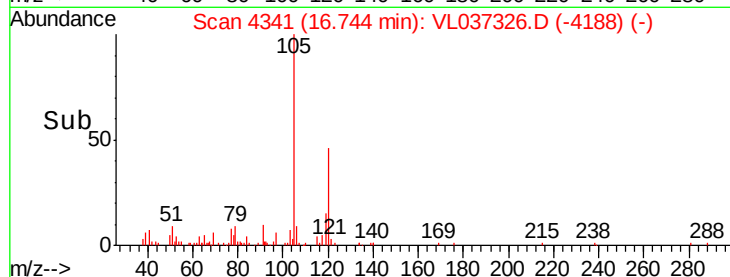
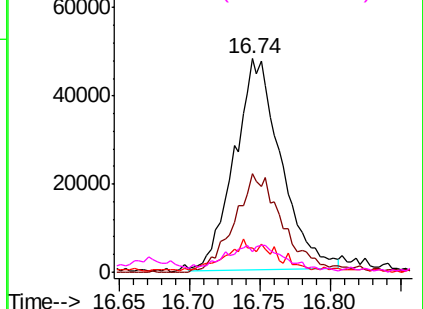


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.242 ppbv

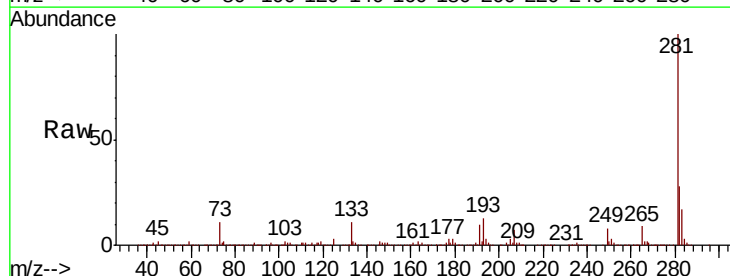
RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037326.D

Acq: 5 Aug 2021 3:22

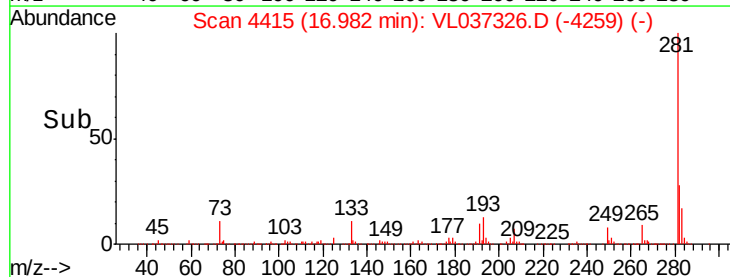
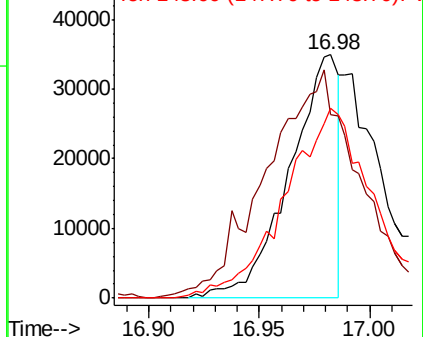
Tgt Ion:146	Resp:	53612
Ion Ratio	Lower	Upper
146	100	
111	189.2	21.4 64.3#
148	148.6	32.6 97.7#

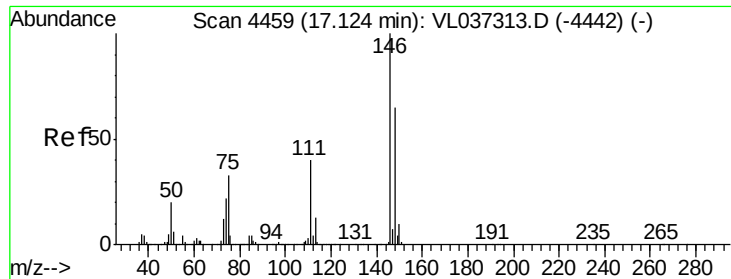


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

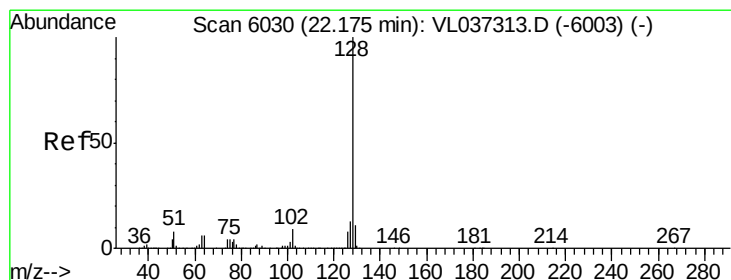
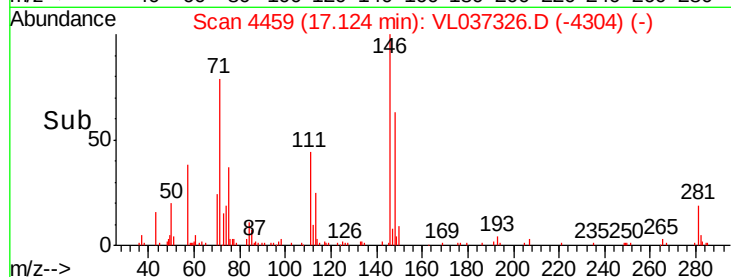
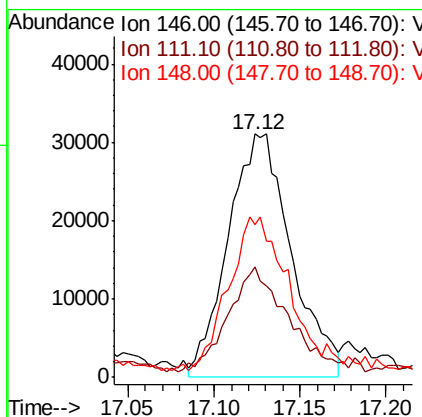
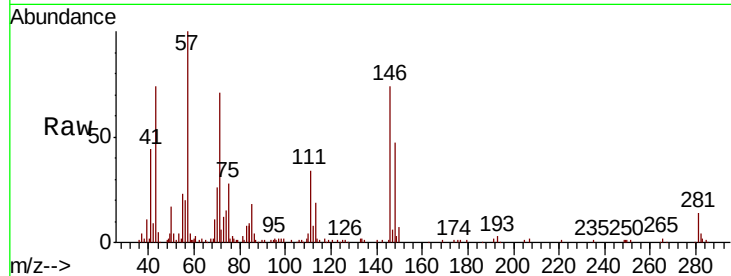




#76
 1,4-Dichlorobenzene
 Concen: 0.362 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

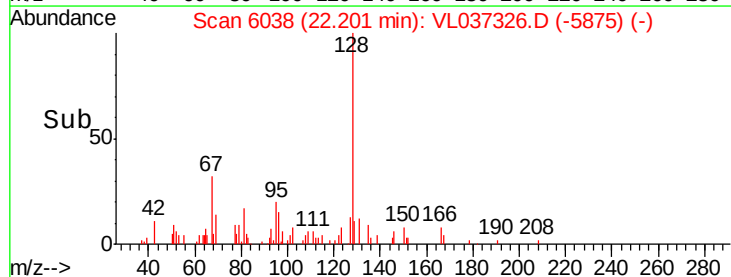
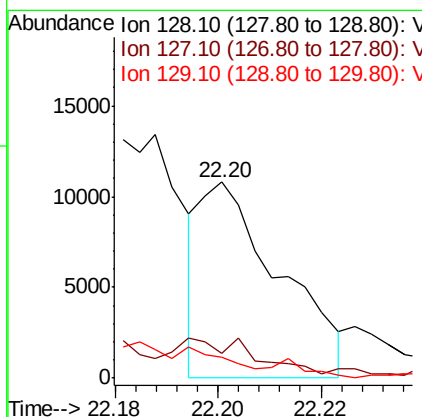
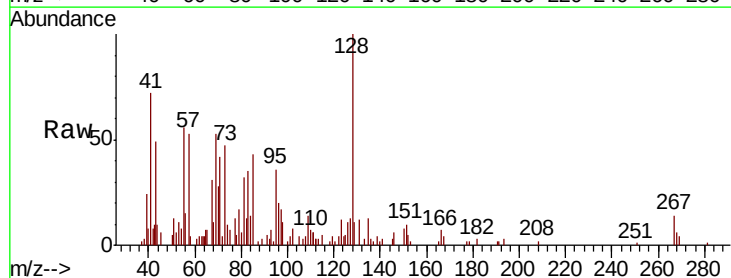
Instrument :
 MSVOA_L
 ClientSampleId :

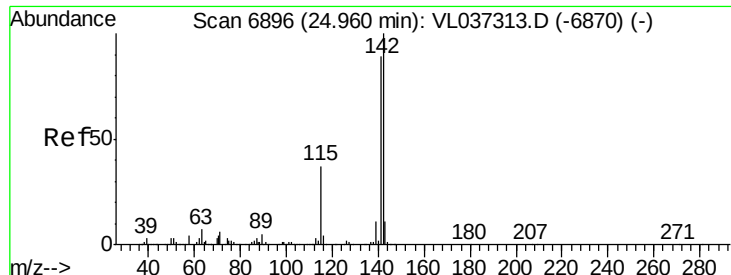
Tot Ion:146 Resp: 79718
 Ion Ratio Lower Upper
 146 100
 111 53.2 21.0 63.0
 148 70.8 33.5 100.4



#79
 Naphthalene
 Concen: 0.035 ppbv
 RT: 22.20 min Scan# 6038
 Delta R.T. 0.03 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Tgt Ion:128 Resp: 11473
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.3 15.5
 129 12.5 8.6 12.8

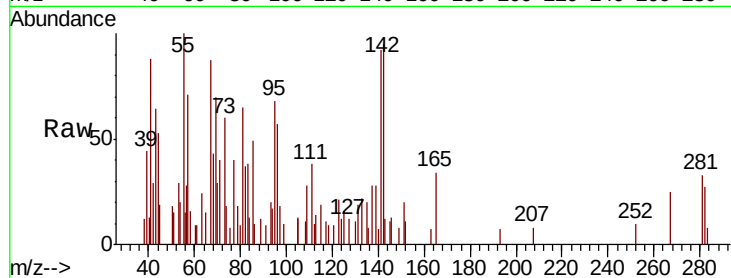




#80
 Naphthalene, 2-methyl-
 Concen: 0.128 ppbv
 RT: 24.95 min Scan# 6894
 Delta R.T. -0.01 min
 Lab File: VL037326.D
 Acq: 5 Aug 2021 3:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	67.2	100.8
115	84.9	27.9	41.9



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

