

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037179.D
 Acq On : 16 Jun 2021 20:43
 Operator : SY/AP
 Sample : M2713-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:50:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1309811	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3826342	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3439781	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2687976	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	61708	0.271	ppbv 99
4) Chloromethane	3.15	50	6868	0.081	ppbv # 67
7) Chloroethane	3.56	64	4176	0.125	ppbv 96
9) Propene	3.02	41	25434	0.312	ppbv 95
10) Heptane	8.12	43	172638	0.875	ppbv 99
11) Trichlorofluoromethane	3.95	101	89931	0.370	ppbv 88
12) 1,1,2-Trichlorotrifluoroet	4.49	101	74916	0.437	ppbv 99
13) Ethanol	3.61	45	144509	11.471	ppbv 50
15) Acetone	3.85	43	1139725	7.716	ppbv 92
16) 1,3-Butadiene	3.31	39	8612	0.099	ppbv # 35
17) tert-Butyl alcohol	4.30	59	17128	0.125	ppbv # 71
18) 1,1-Dichloroethene	4.29	96	83281	1.097	ppbv 96
19) Isopropyl Alcohol	3.97	45	931721	10.415	ppbv 98
20) Methylene Chloride	4.35	84	706650	7.991	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	9554	0.127	ppbv # 71
24) 1,1-Dichloroethane	5.01	63	450292	2.641	ppbv 99
25) Ethyl Acetate	5.69	43	385516	1.206	ppbv # 84
26) Hexane	5.69	57	438703	2.715	ppbv # 52
29) Chloroform	5.75	83	30263	0.121	ppbv 97
30) Cyclohexane	7.14	84	7755	0.058	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	3031	0.020	ppbv # 52
32) 1,1,1-Trichloroethane	6.51	97	9765024	36.553	ppbv 96
34) 2-Butanone	5.26	43	136614	0.918	ppbv 97
36) Benzene	6.90	78	37473	0.121	ppbv 94
37) 1,2-Dichloroethane	6.52	62	762627	4.243	ppbv # 1
39) 1,2-Dichloropropane	7.18	63	929417	8.084	ppbv # 22
41) Tetrahydrofuran	6.07	42	3601	0.052	ppbv # 1
44) 2,2,4-Trimethylpentane	7.87	57	10493	0.020	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	630443	3.084	ppbv 98
53) Toluene	9.81	91	3275809	8.863	ppbv 100
56) 1,1,1,2-Tetrachloroethane	12.29	131	70485	0.469	ppbv # 40
58) Ethyl Benzene	12.72	91	1687951	3.565	ppbv 97
59) m/p-Xylene	12.97	91	7102535	17.699	ppbv 96
60) o-Xylene	13.69	91	3263947	8.542	ppbv 100
61) Styrene	13.53	104	44119	0.224	ppbv # 77
62) Isopropylbenzene	14.67	105	59866	0.110	ppbv 100
64) n-propylbenzene	15.57	120	11498	0.085	ppbv # 41
66) Benzyl Chloride	16.98	91	724	0.035	ppbv # 1
69) p-Isopropyltoluene	17.65	119	39877	0.073	ppbv # 65
70) n-Butylbenzene	18.56	91	17875	0.036	ppbv # 62
72) 4-Ethyltoluene	15.84	105	50519	0.116	ppbv # 62

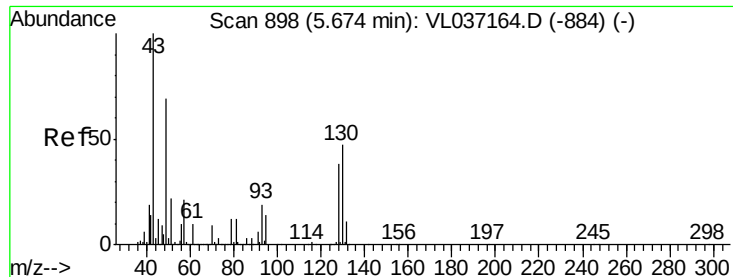
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
Data File : VL037179.D
Acq On : 16 Jun 2021 20:43
Operator : SY/AP
Sample : M2713-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 17 01:50:00 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.00	105	128205	0.306	ppbv #	80
74) 1,2,4-Trimethylbenzene	16.77	105	318140	0.736	ppbv #	71
76) 1,4-Dichlorobenzene	17.14	146	20820	0.079	ppbv #	1
77) 1,2-Dichlorobenzene	17.82	146	59484	0.234	ppbv	92
78) Hexachloro-1,3-Butadiene	23.37	225	4380	0.020	ppbv #	29
79) Naphthalene	22.20	128	30578	0.085	ppbv #	86
80) Naphthalene,2-methyl-	24.99	142	6072	0.064	ppbv #	69
81) 1,2,4-Trichlorobenzene	21.92	180	22019	0.106	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

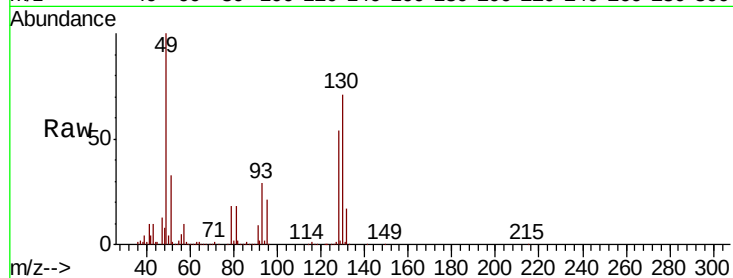
Tot Ion: 49 Resp: 1309811

Ion Ratio Lower Upper

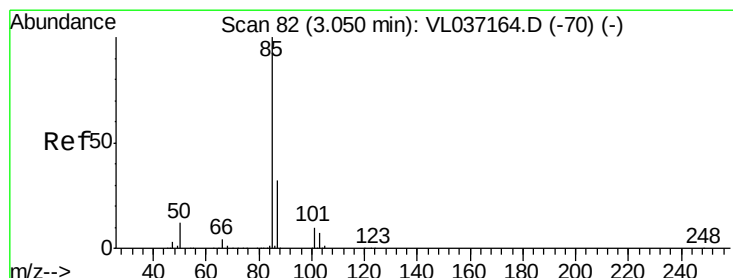
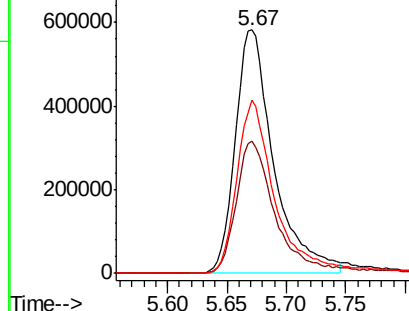
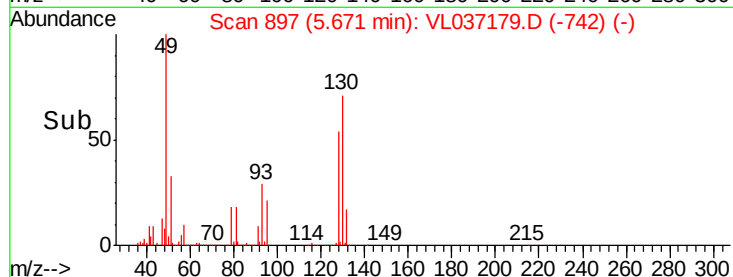
49 100

128 57.6 29.3 88.0

130 72.3 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.271 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037179.D

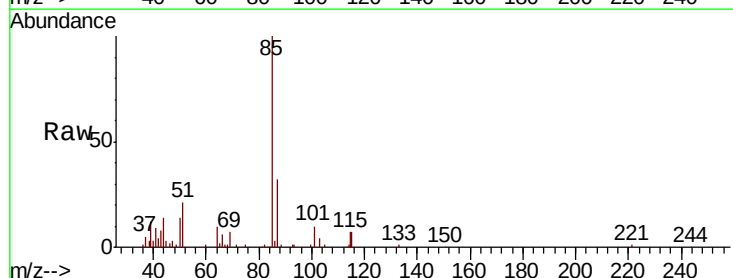
Acq: 16 Jun 2021 20:43

Tgt Ion: 85 Resp: 61708

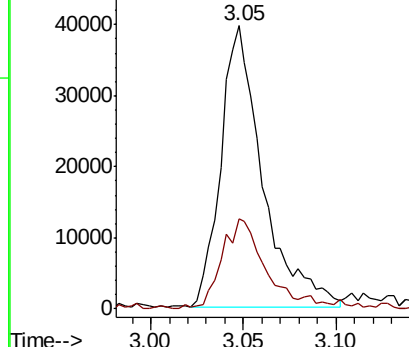
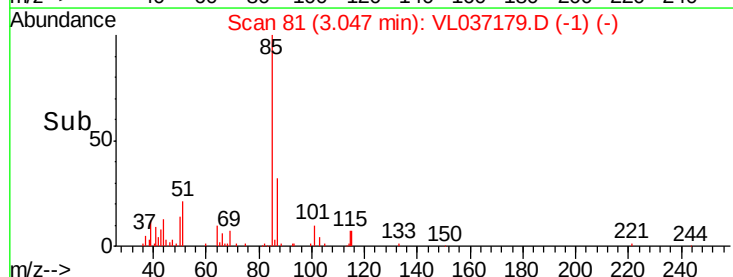
Ion Ratio Lower Upper

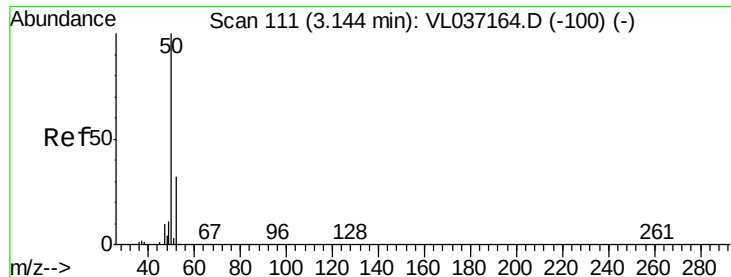
85 100

87 31.7 25.8 38.6



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





#4

Chloromethane

Concen: 0.081 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

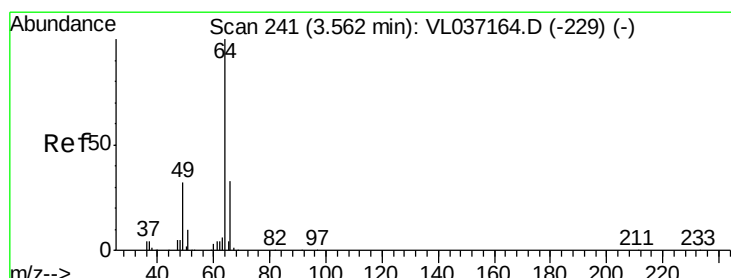
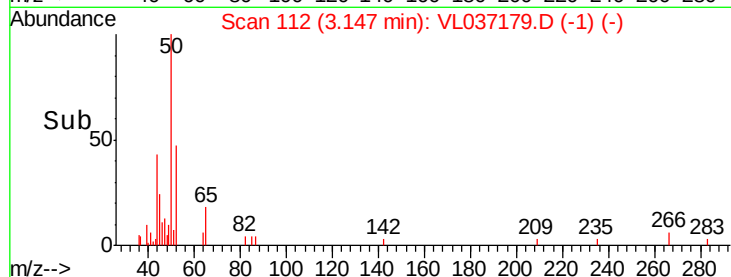
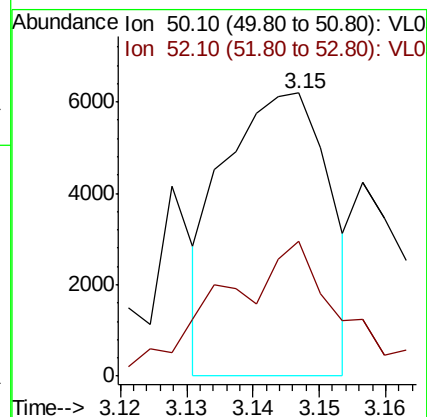
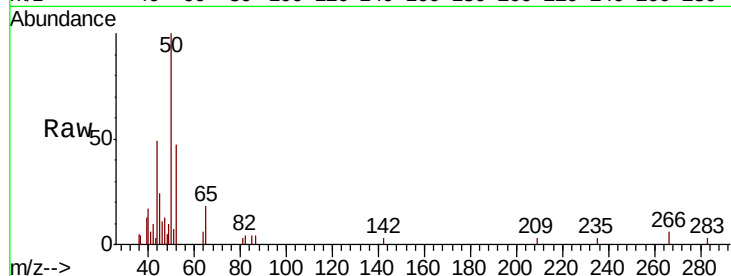
ClientSampleId :

Tot Ion: 50 Resp: 6868

Ion Ratio Lower Upper

50 100

52 51.0 25.8 38.8#



#7

Chloroethane

Concen: 0.125 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037179.D

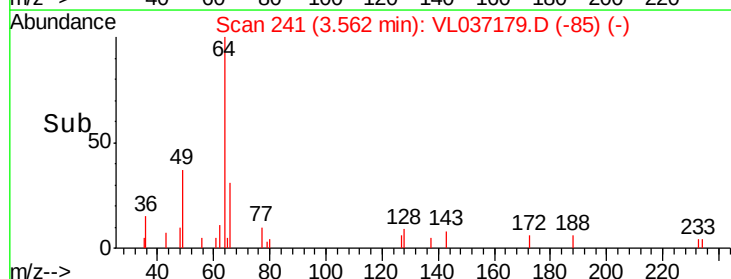
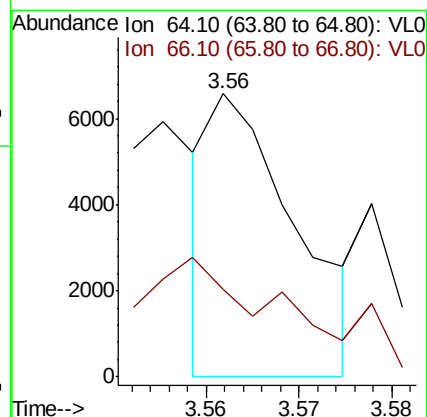
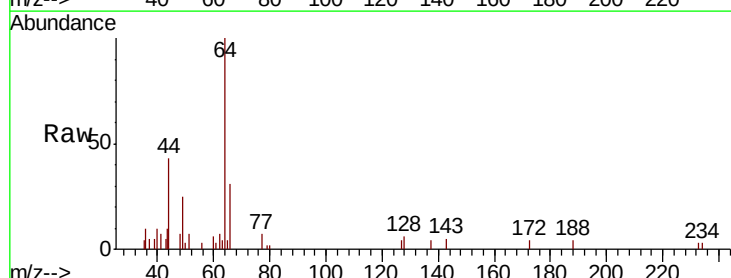
Acq: 16 Jun 2021 20:43

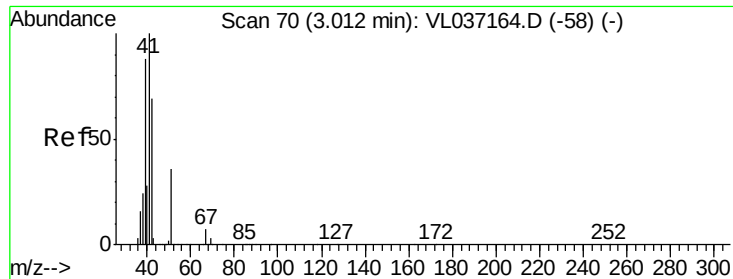
Tgt Ion: 64 Resp: 4176

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.4





#9

Propene

Concen: 0.312 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

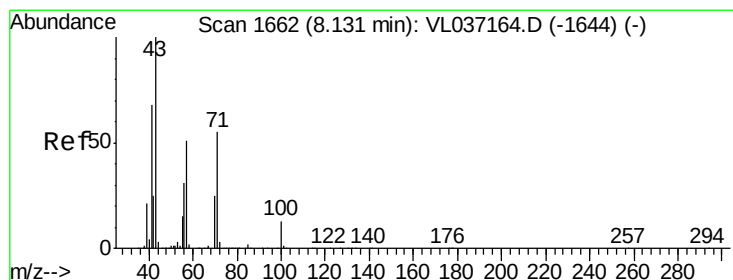
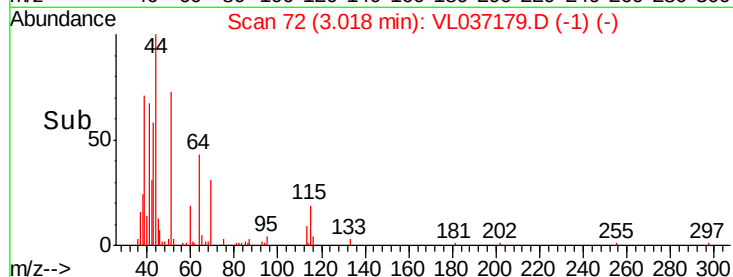
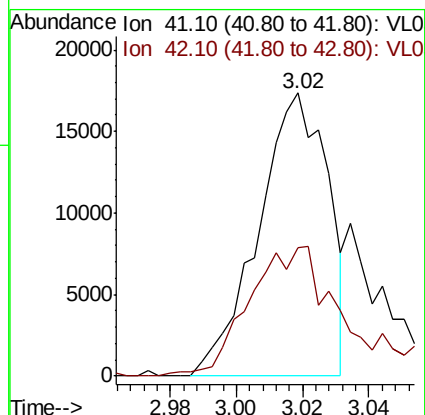
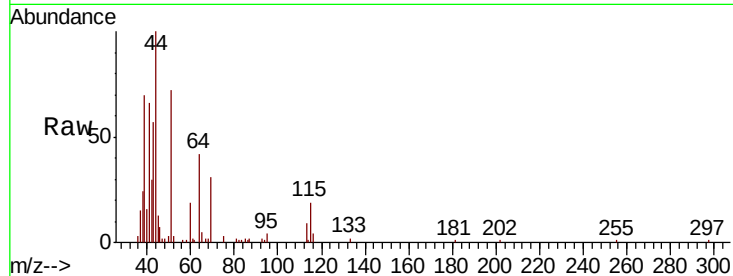
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 25434

Ion Ratio Lower Upper

41 100

42 64.4 54.5 81.7



#10

Heptane

Concen: 0.875 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037179.D

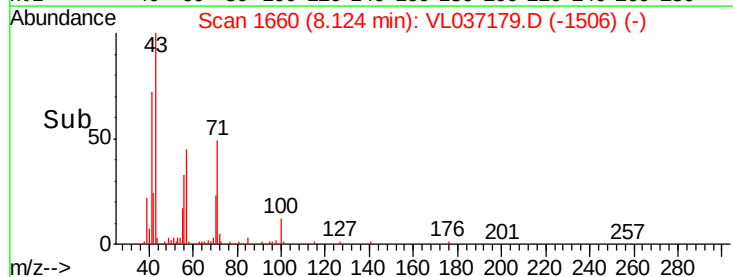
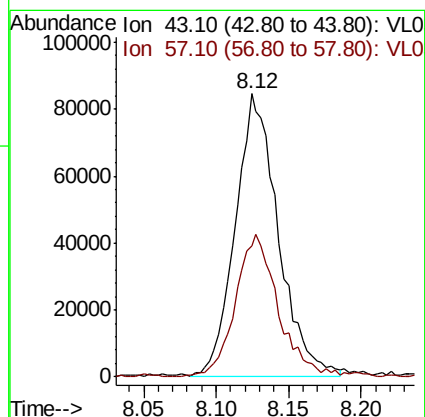
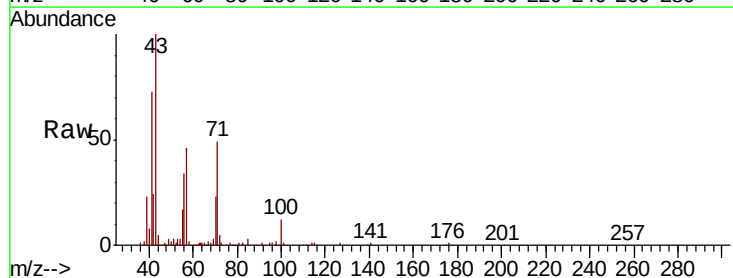
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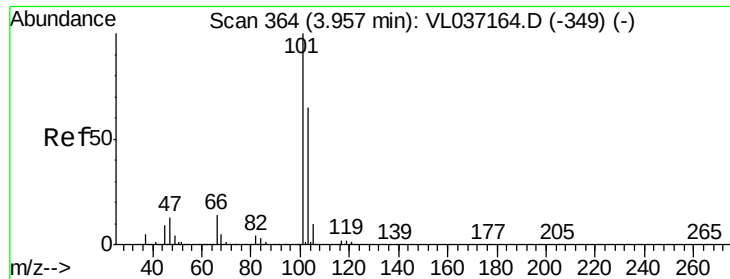
Tgt Ion: 43 Resp: 172638

Ion Ratio Lower Upper

43 100

57 51.8 40.6 61.0

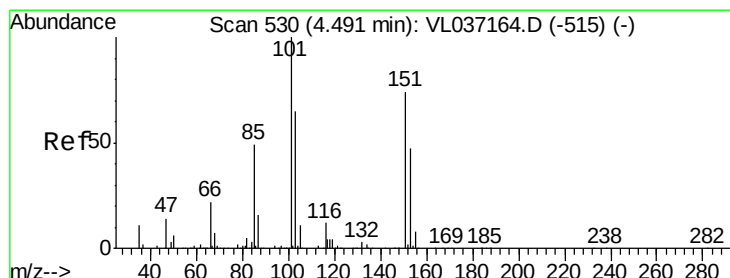
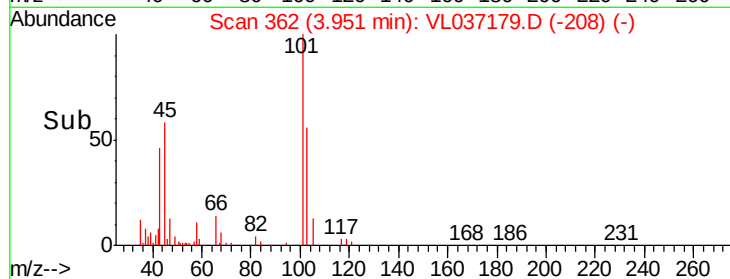
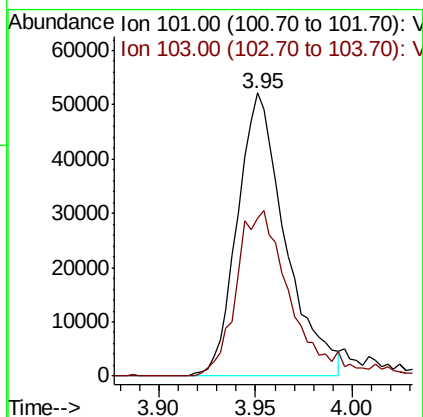
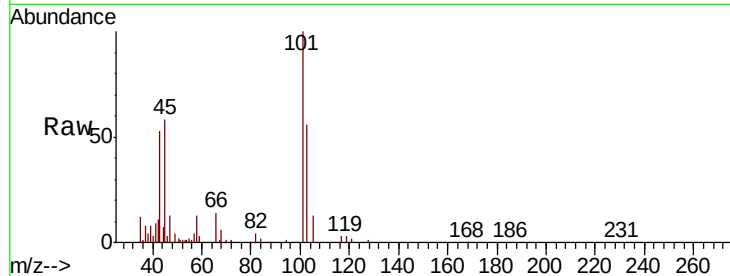




#11
 Trichlorofluoromethane
 Concen: 0.370 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

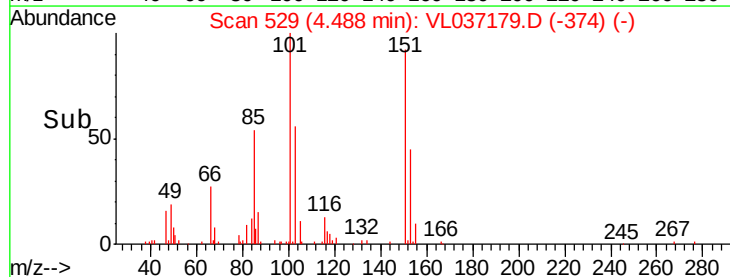
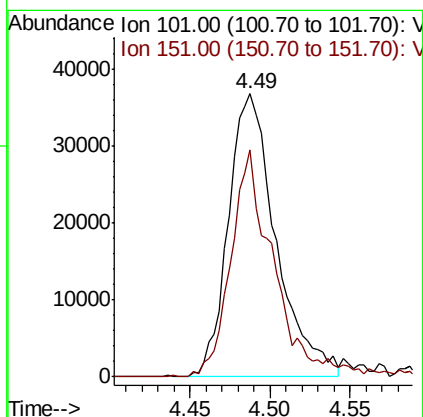
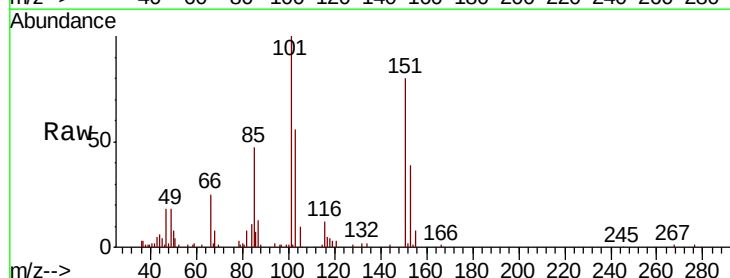
Instrument :
 MSVOA_L
 ClientSampleId :

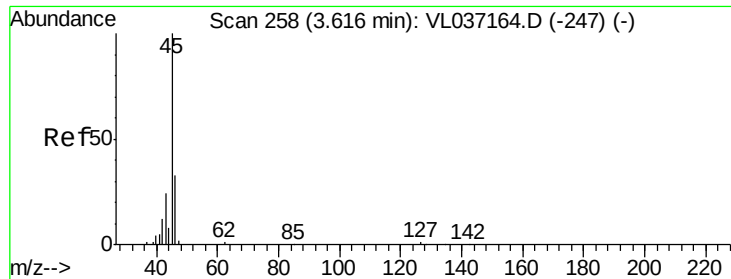
Tot Ion:101 Resp: 89931
 Ion Ratio Lower Upper
 101 100
 103 55.5 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.437 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

Tgt Ion:101 Resp: 74916
 Ion Ratio Lower Upper
 101 100
 151 73.4 59.1 88.7

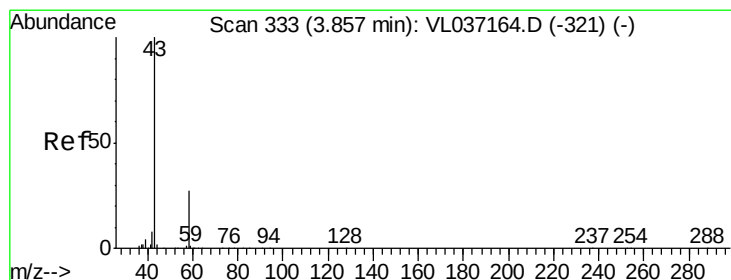
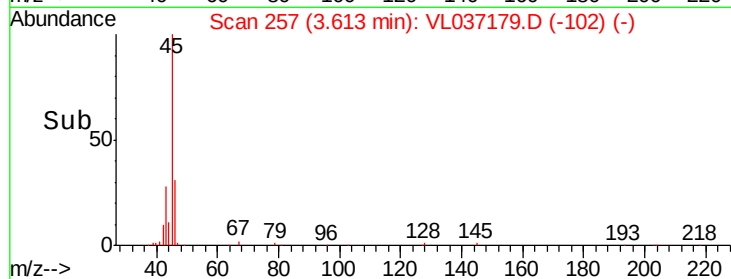
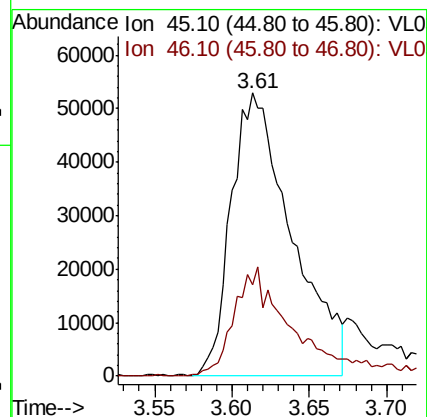
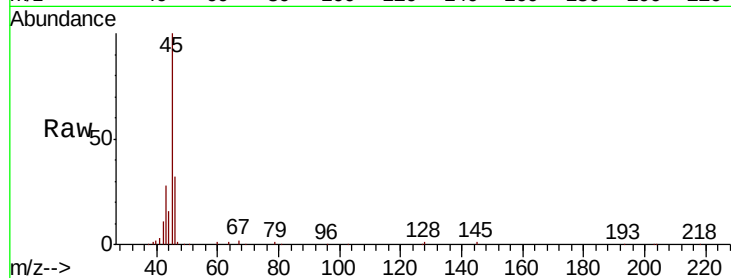




#13
Ethanol
Concen: 11.471 ppbv
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

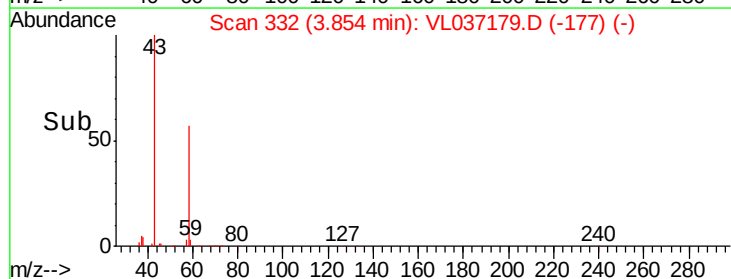
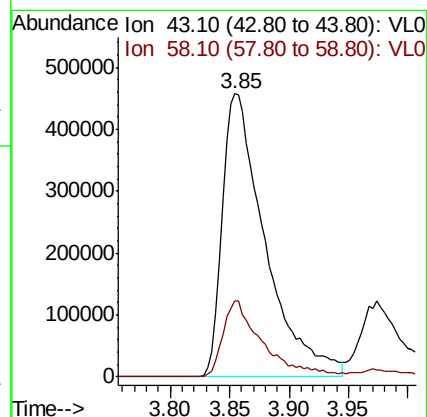
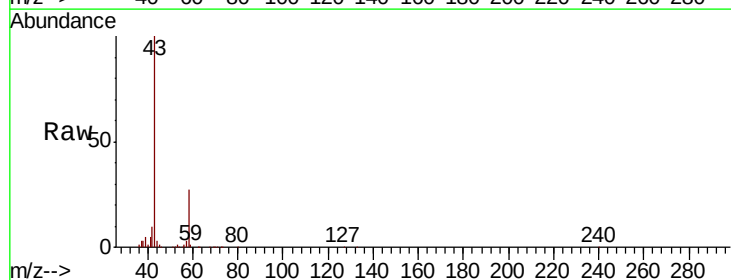
Instrument :
MSVOA_L
ClientSampleId :

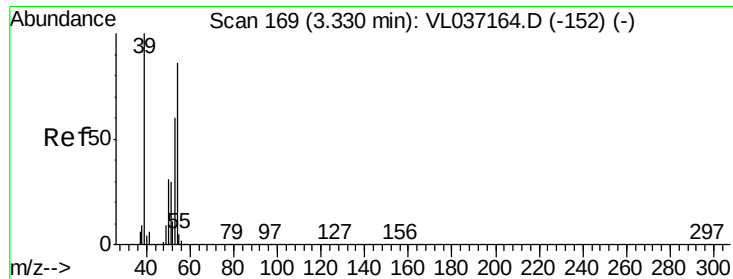
Tot Ion: 45 Resp: 144509
Ion Ratio Lower Upper
45 100
46 39.8 34.2 137.0



#15
Acetone
Concen: 7.716 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 43 Resp: 1139725
Ion Ratio Lower Upper
43 100
58 25.2 23.7 35.5

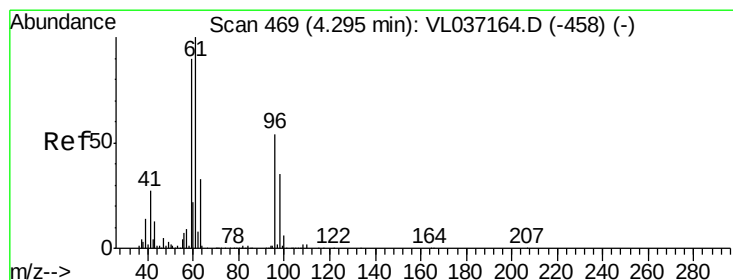
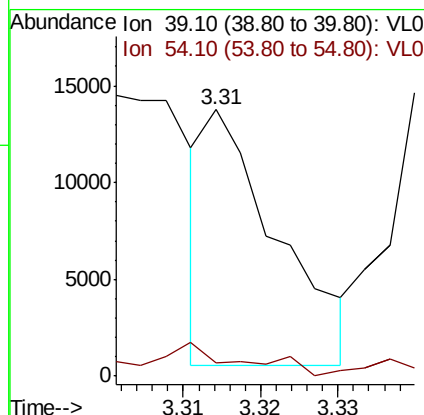
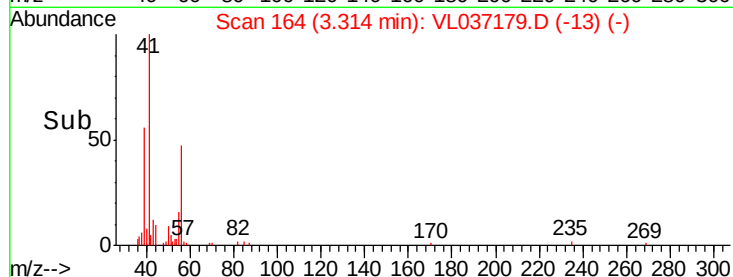
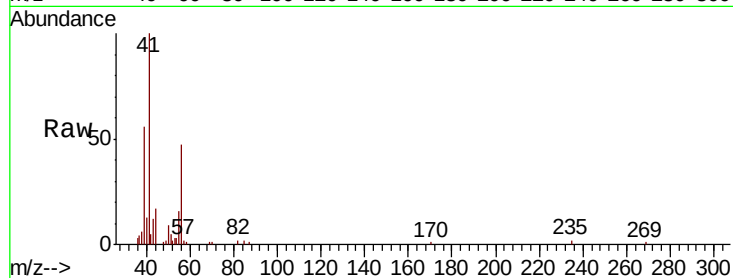




#16
1,3-Butadiene
Concen: 0.099 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.02 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

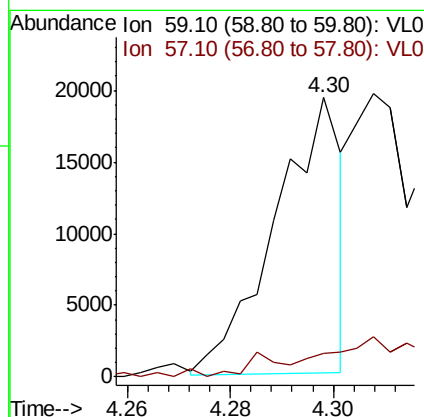
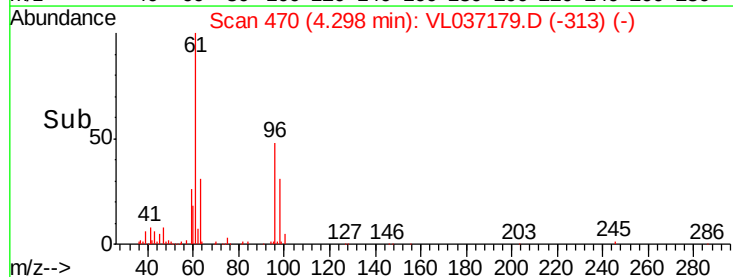
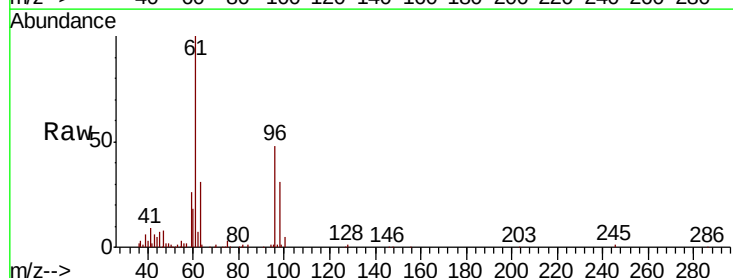
Instrument :
MSVOA_L
ClientSampleId :

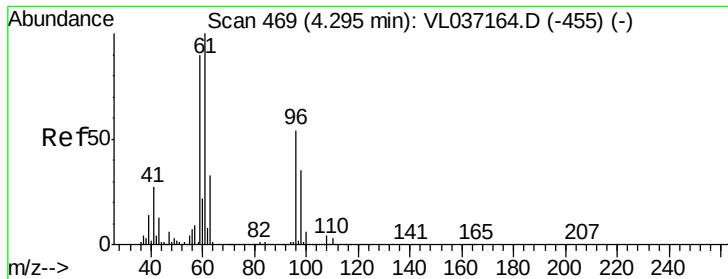
Tot Ion: 39 Resp: 8612
Ion Ratio Lower Upper
39 100
54 20.4 61.2 91.8#



#17
tert-Butyl alcohol
Concen: 0.125 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 59 Resp: 17128
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

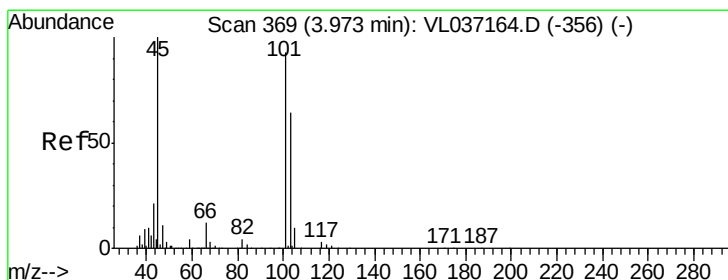
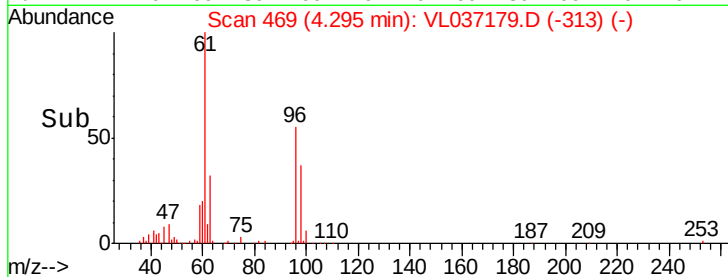
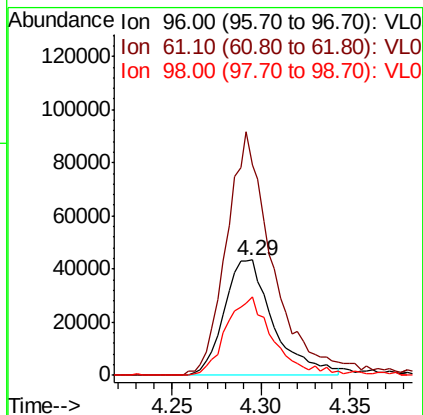
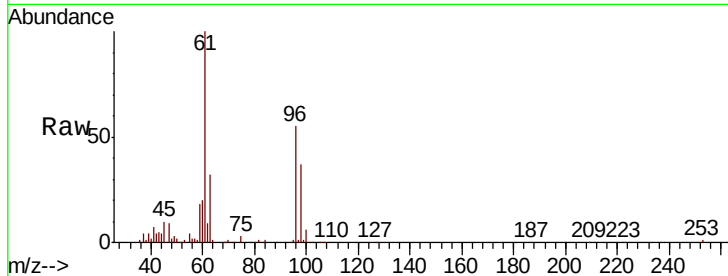




#18
 1,1-Dichloroethene
 Concen: 1.097 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

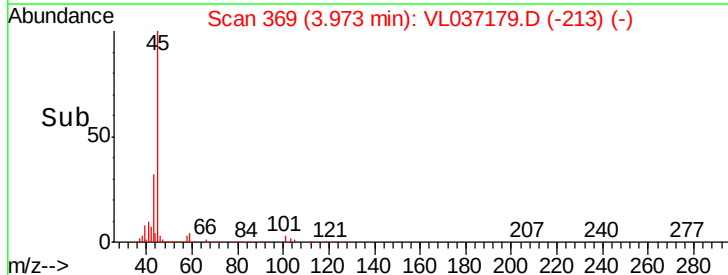
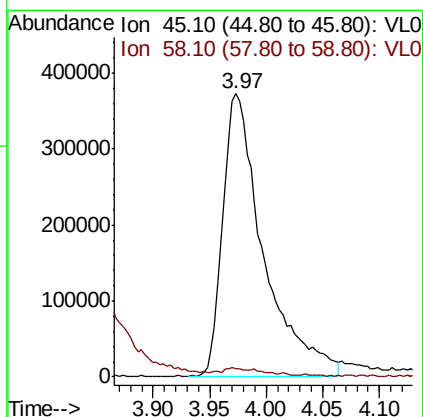
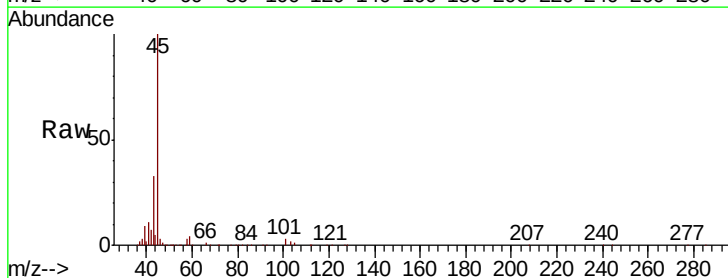
Instrument :
 MSVOA_L
 ClientSampleId :

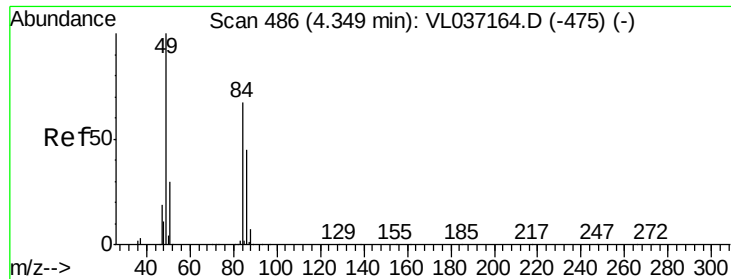
Tot Ion: 96 Resp: 83281
 Ion Ratio Lower Upper
 96 100
 61 179.0 148.6 222.8
 98 67.8 51.9 77.9



#19
 Isopropyl Alcohol
 Concen: 10.415 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

Tgt Ion: 45 Resp: 931721
 Ion Ratio Lower Upper
 45 100
 58 3.5 2.4 3.6

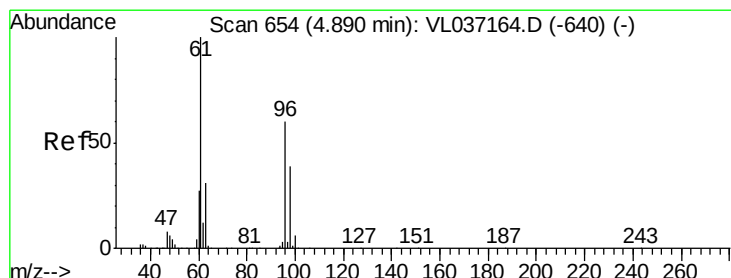
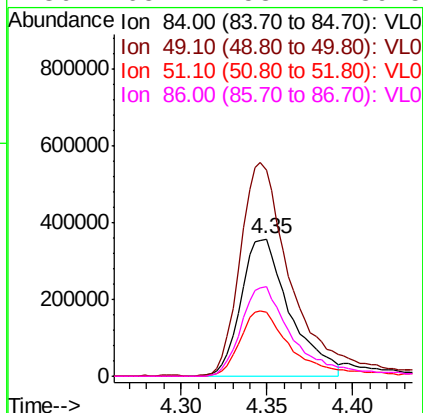
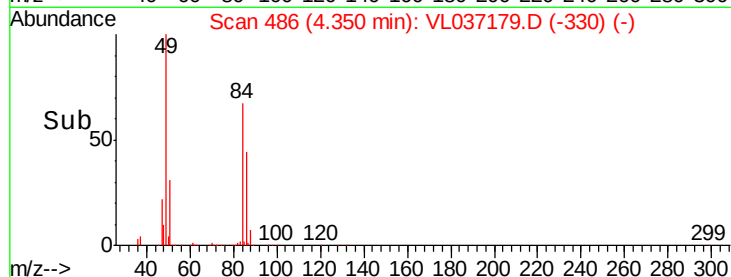
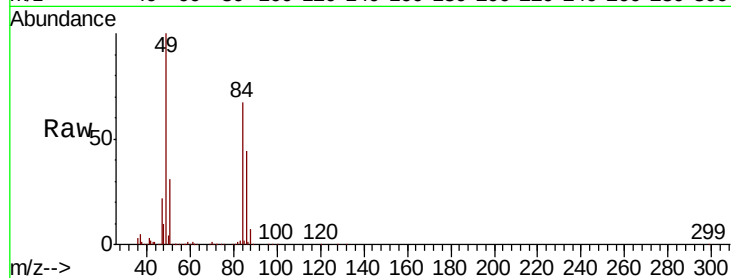




#20
Methylene Chloride
Concen: 7.991 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

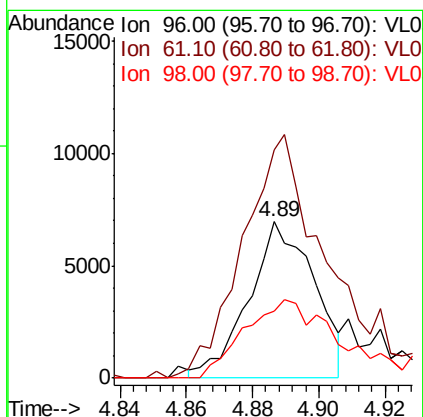
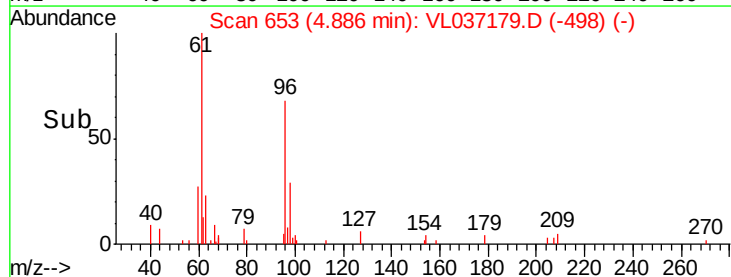
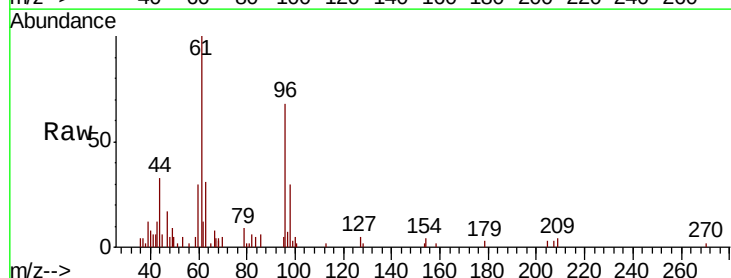
Instrument :
MSVOA_L
ClientSampleId :

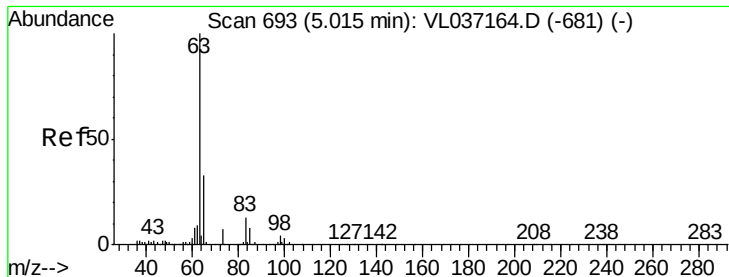
Tot Ion: 84 Resp: 706650
Ion Ratio Lower Upper
84 100
49 149.4 119.7 179.5
51 46.6 36.1 54.1
86 65.4 53.7 80.5



#22
trans-1,2-Dichloroethene
Concen: 0.127 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 96 Resp: 9554
Ion Ratio Lower Upper
96 100
61 129.4 133.9 200.9#
98 41.0 52.9 79.3#





#24

1,1-Dichloroethane

Concen: 2.641 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL037179.D

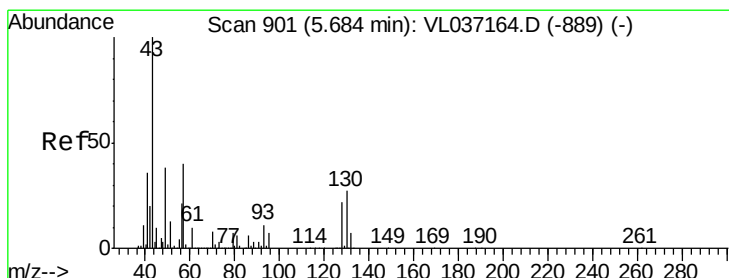
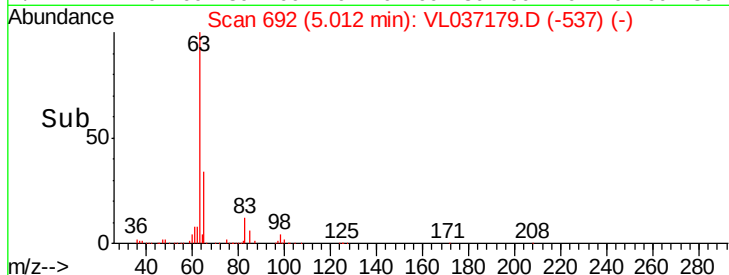
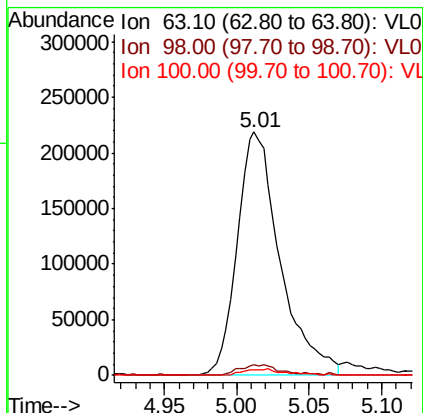
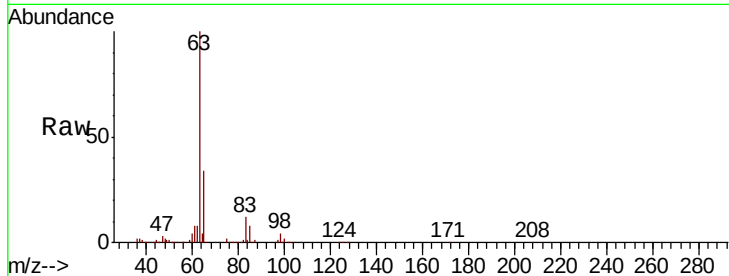
Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	450292
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.2	1.4	4.0



#25

Ethyl Acetate

Concen: 1.206 ppbv

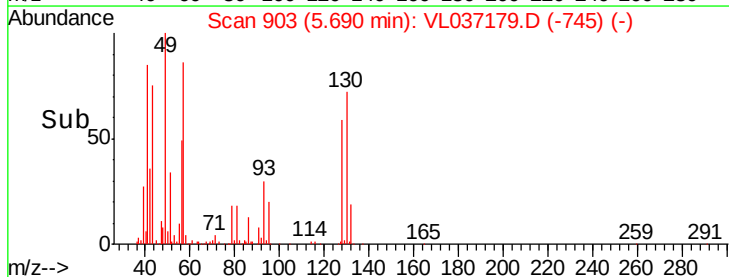
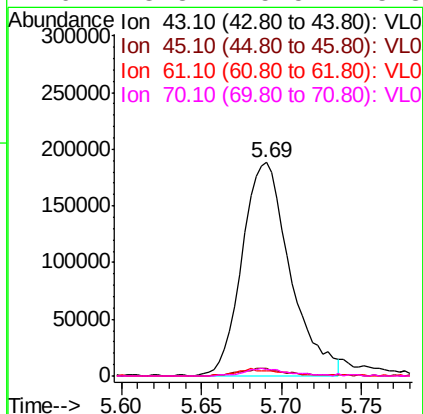
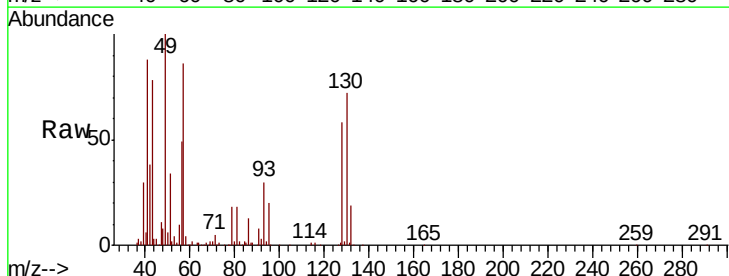
RT: 5.69 min Scan# 903

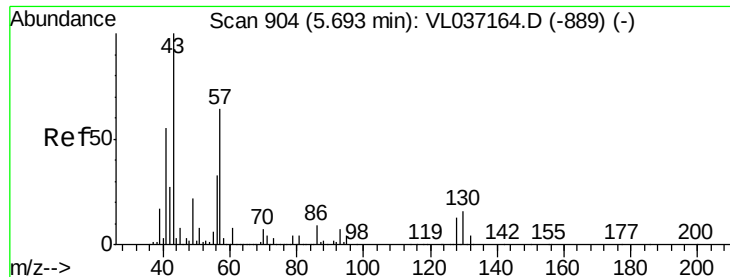
Delta R.T. 0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Tgt Ion:	43	Resp:	385516
Ion	Ratio	Lower	Upper
43	100		
45	3.7	8.0	12.0#
61	3.3	8.1	12.1#
70	3.8	5.5	8.3#

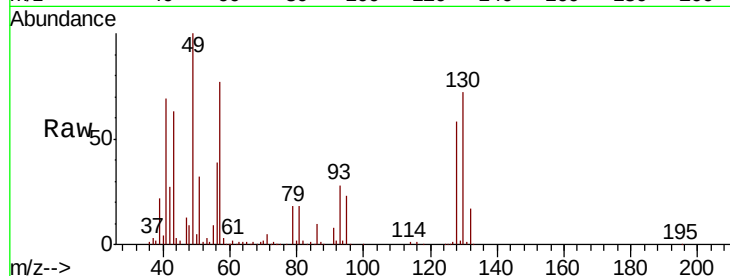




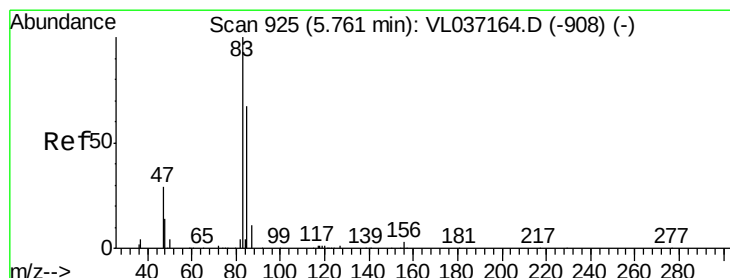
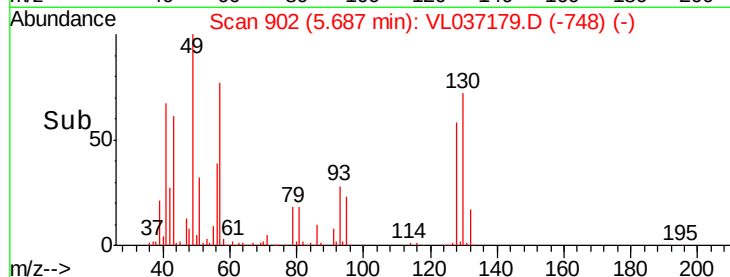
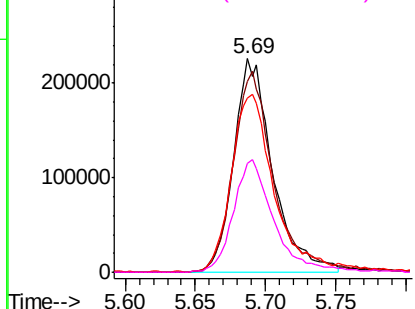
#26
Hexane
Concen: 2.715 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 438703
Ion Ratio Lower Upper
57 100
41 99.1 73.5 110.3
43 92.9 170.7 256.1#
56 55.2 42.4 63.6

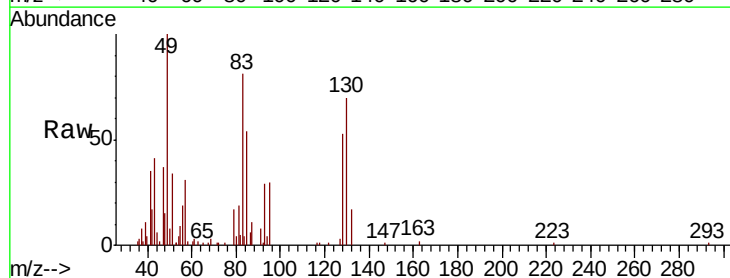


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

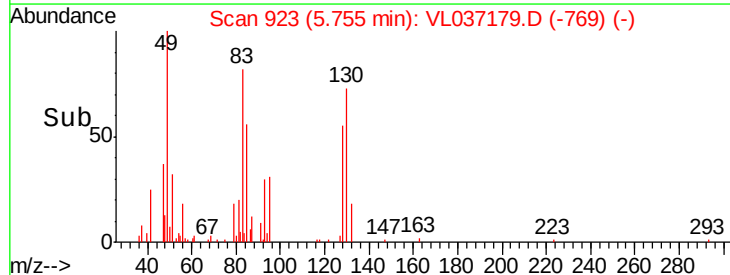
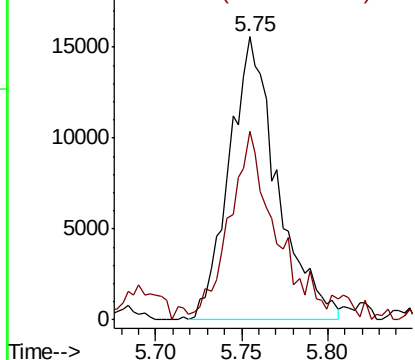


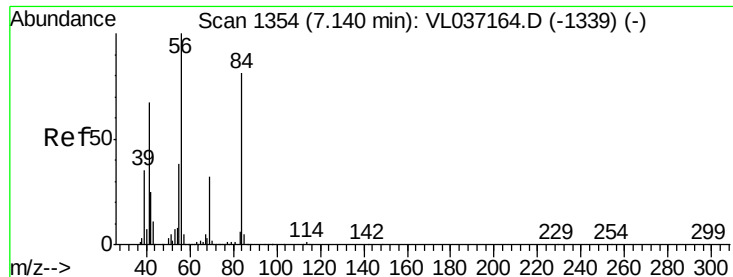
#29
Chloroform
Concen: 0.121 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 83 Resp: 30263
Ion Ratio Lower Upper
83 100
85 64.5 53.6 80.4



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

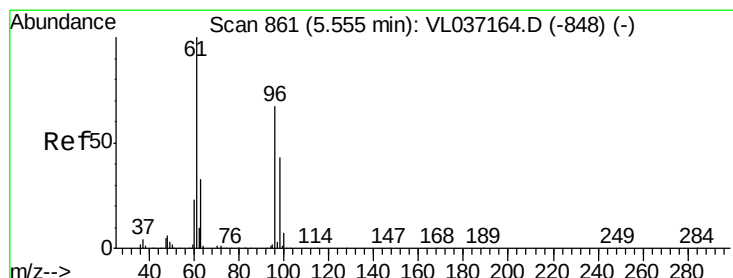
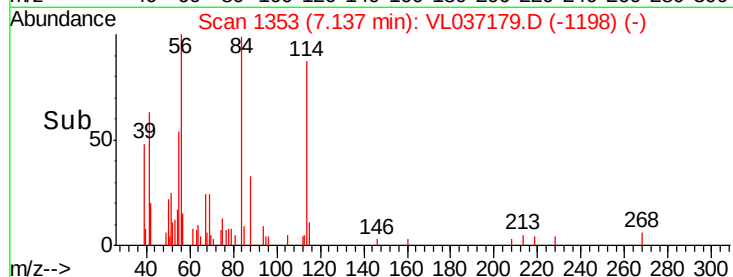
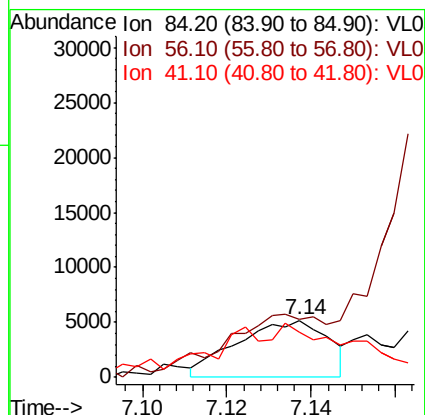
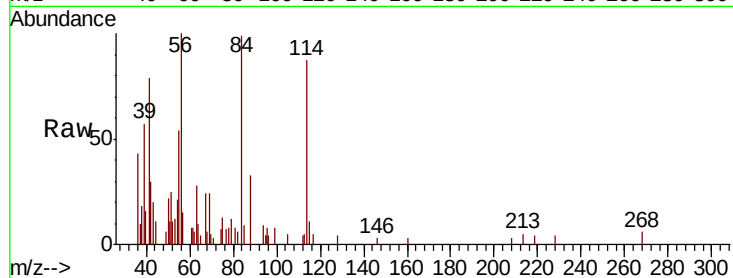




#30
Cyclohexane
Concen: 0.058 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

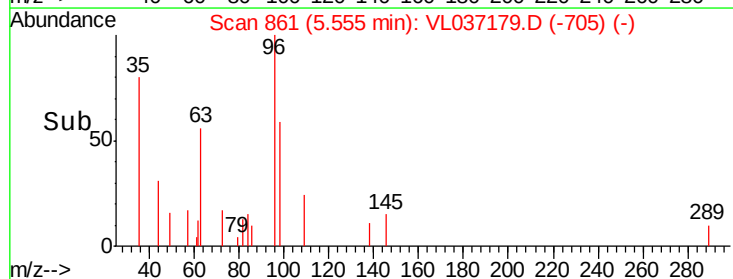
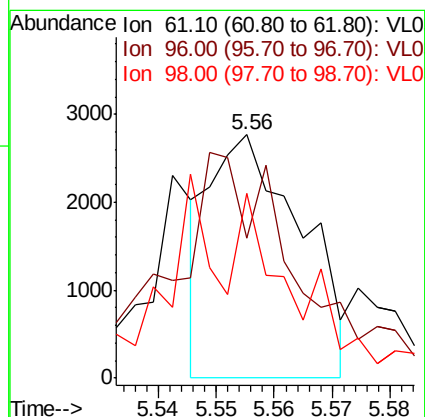
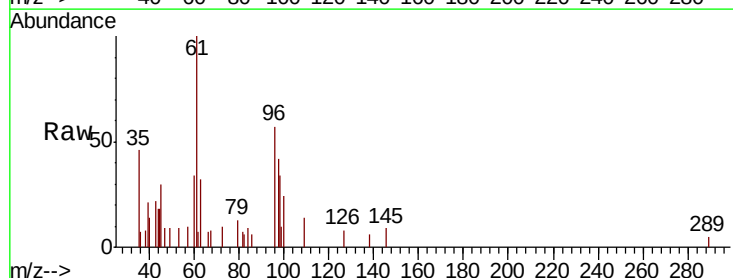
Instrument :
MSVOA_L
ClientSampleId :

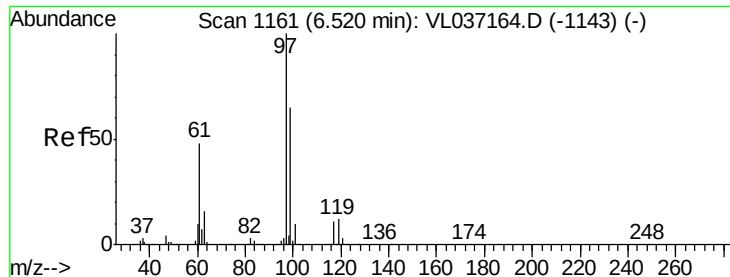
Tot Ion: 84 Resp: 7755
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 160.2 69.0 103.6#



#31
cis-1,2-Dichloroethene
Concen: 0.020 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 61 Resp: 3031
Ion Ratio Lower Upper
61 100
96 31.2 53.6 80.4#
98 77.3 34.7 52.1#





#32

1,1,1-Trichloroethane

Concen: 36.553 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

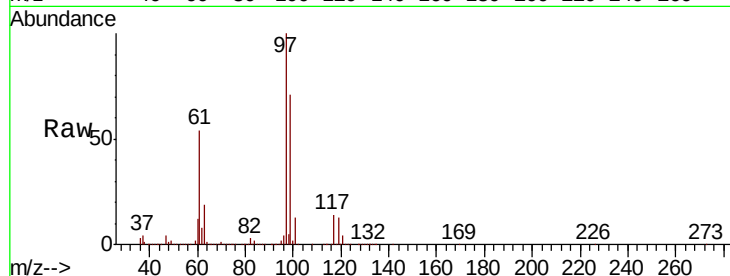
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 9765024

Ion	Ratio	Lower	Upper
97	100		
99	68.6	52.2	78.4
61	51.4	38.8	58.2

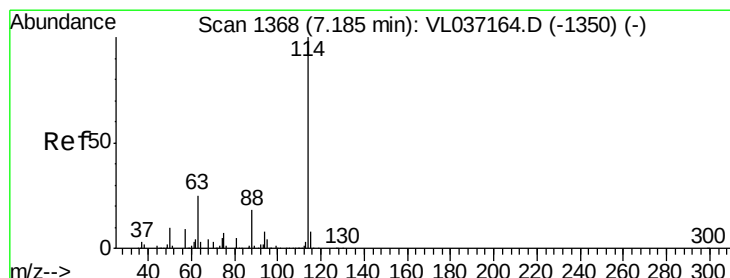
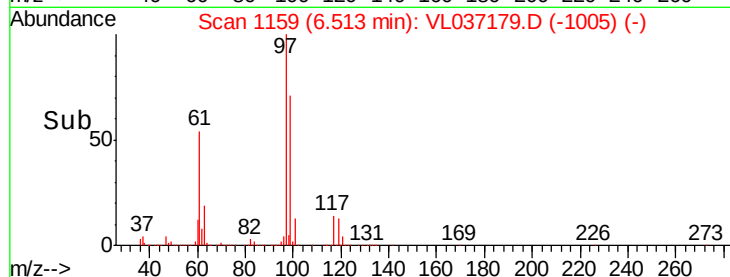
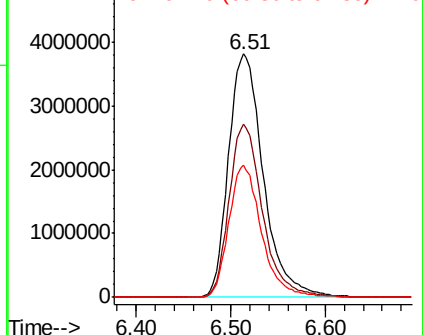


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

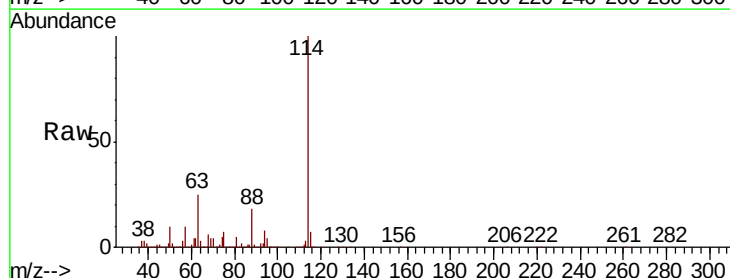
Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Tgt Ion: 114 Resp: 3826342

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.6	29.4
88	17.9	14.2	21.2

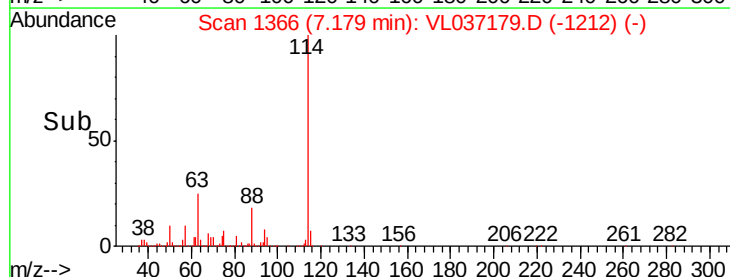
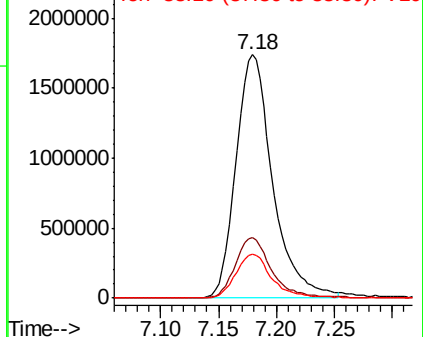


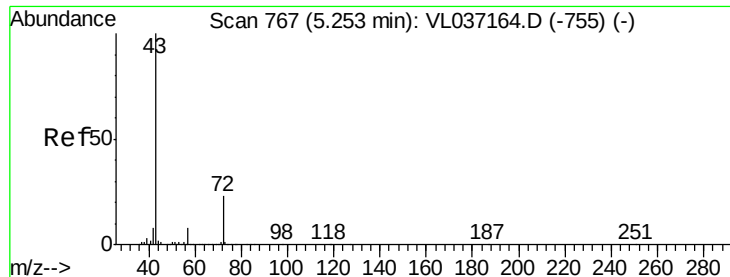
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

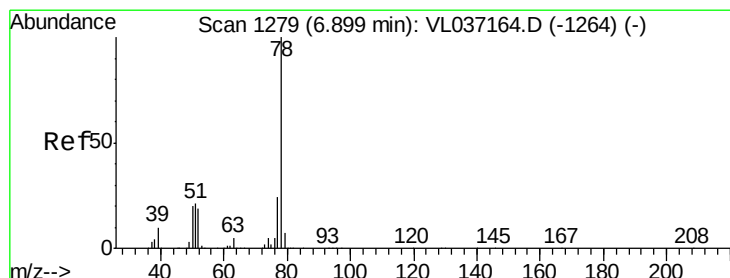
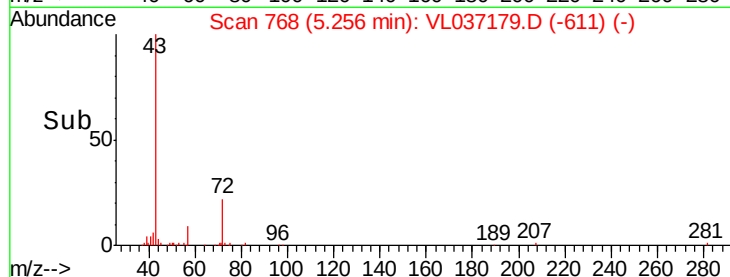
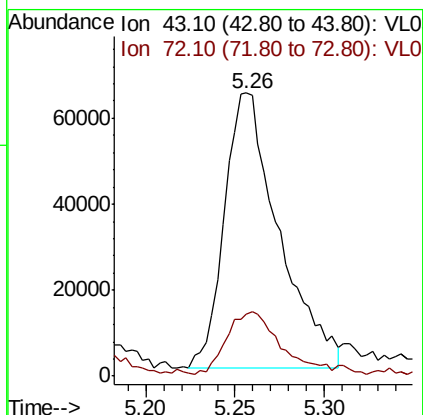
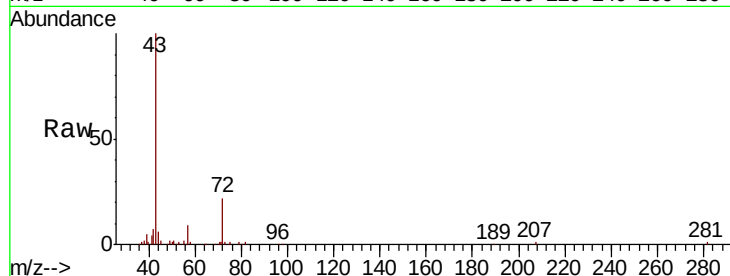




#34
2-Butanone
Concen: 0.918 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

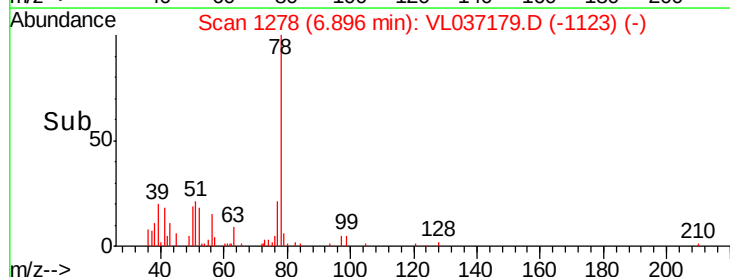
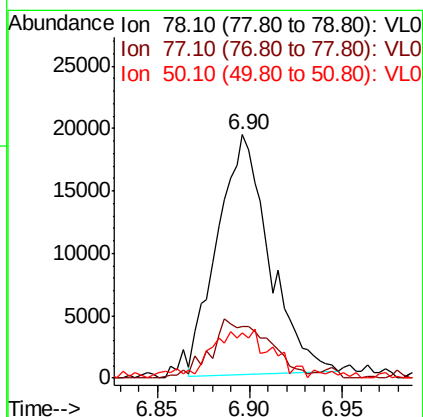
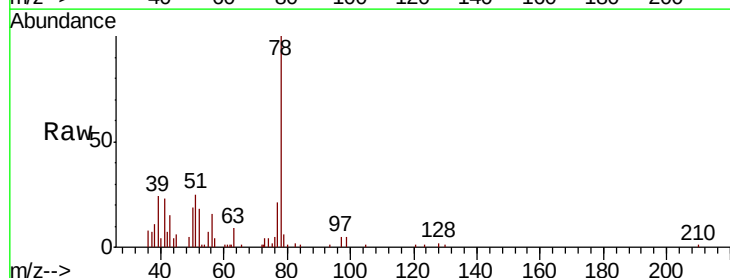
Instrument :
MSVOA_L
ClientSampleId :

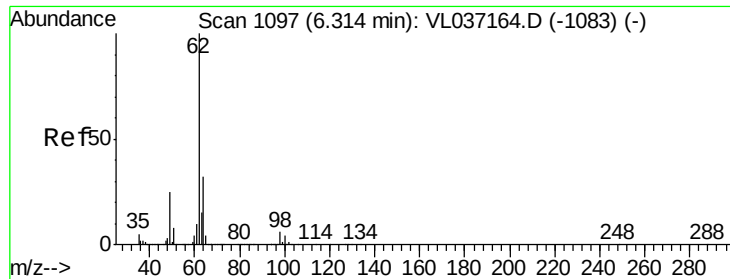
Tot Ion: 43 Resp: 136614
Ion Ratio Lower Upper
43 100
72 25.0 18.9 28.3



#36
Benzene
Concen: 0.121 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 78 Resp: 37473
Ion Ratio Lower Upper
78 100
77 20.3 19.0 28.6
50 18.0 15.7 23.5

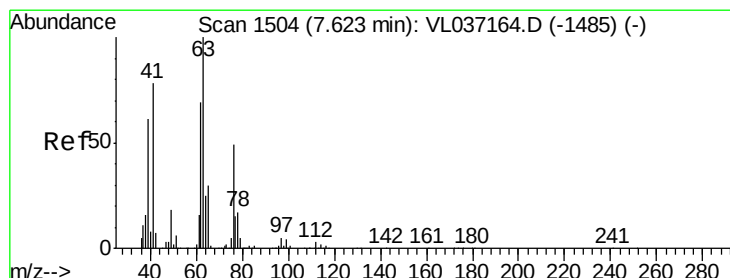
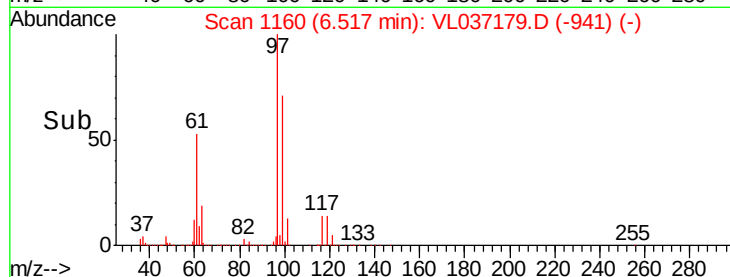
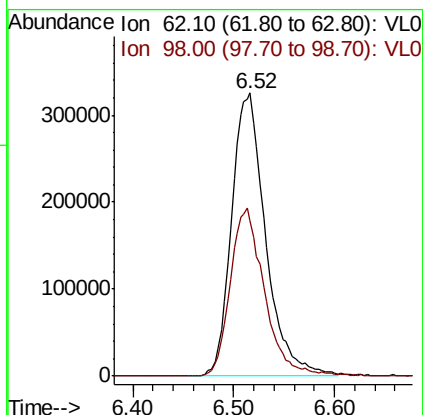
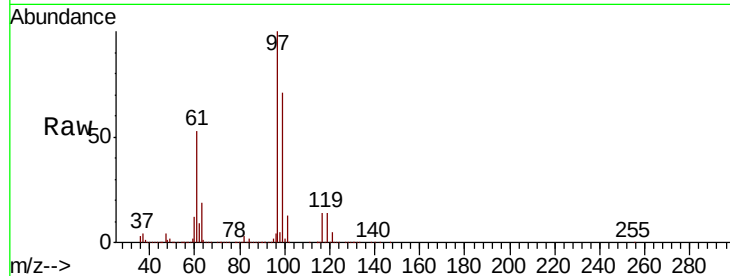




#37
 1,2-Dichloroethane
 Concen: 4.243 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.20 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

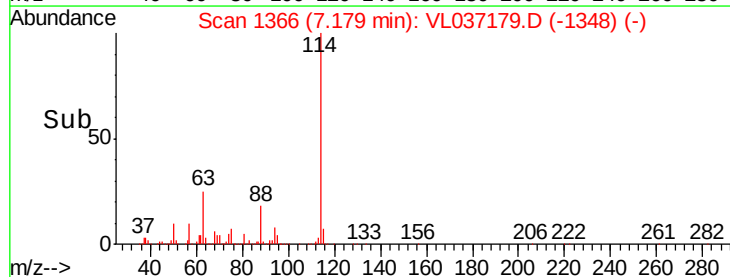
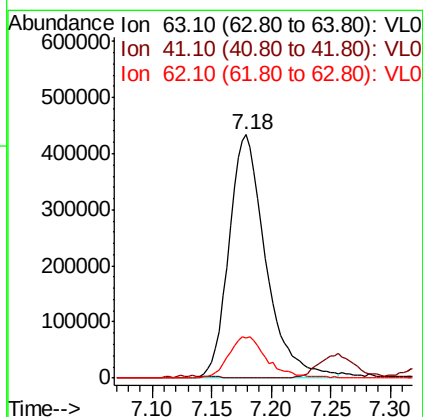
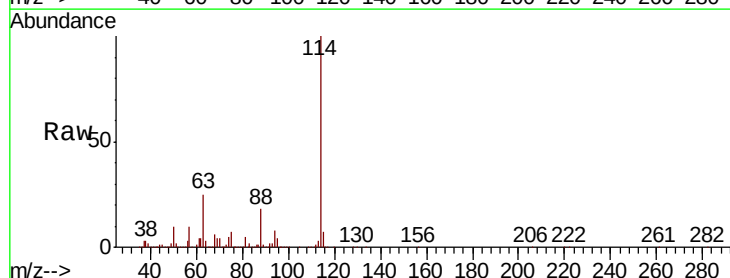
Instrument :
 MSVOA_L
 ClientSampleId :

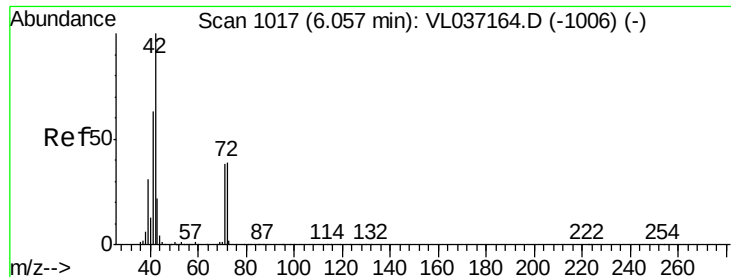
Tot Ion: 62 Resp: 762627
 Ion Ratio Lower Upper
 62 100
 98 60.0 5.0 7.6#



#39
 1,2-Dichloropropane
 Concen: 8.084 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

Tgt Ion: 63 Resp: 929417
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 16.3 54.9 82.3#





#41

Tetrahydrofuran

Concen: 0.052 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampled :

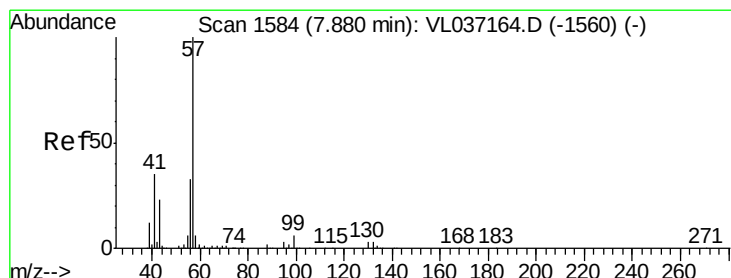
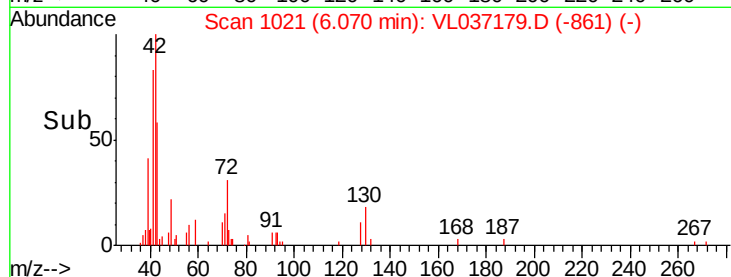
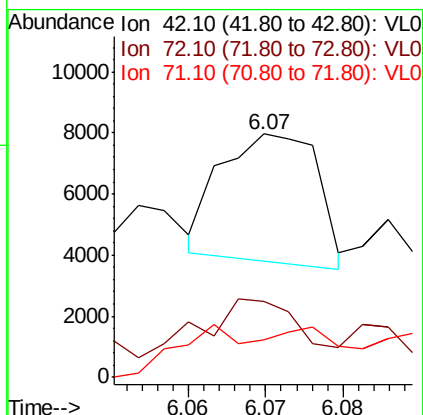
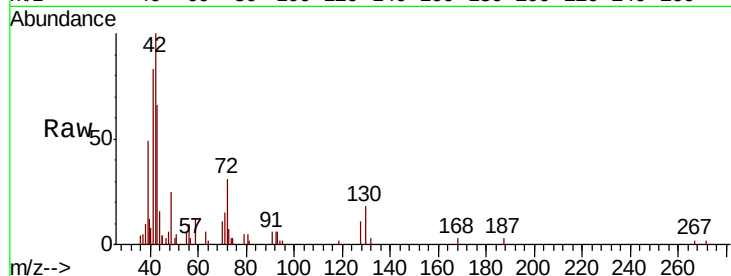
Tot Ion: 42 Resp: 3601

Ion Ratio Lower Upper

42 100

72 142.1 33.0 49.4#

71 111.8 31.0 46.6#



#44

2,2,4-Trimethylpentane

Concen: 0.020 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

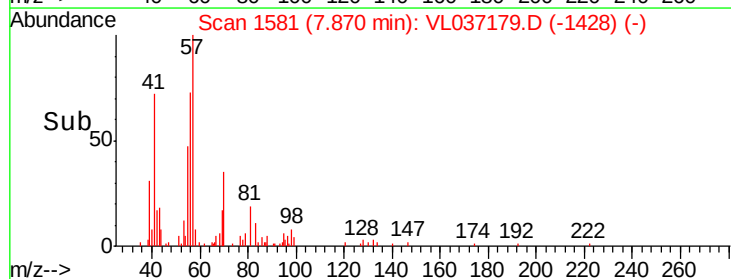
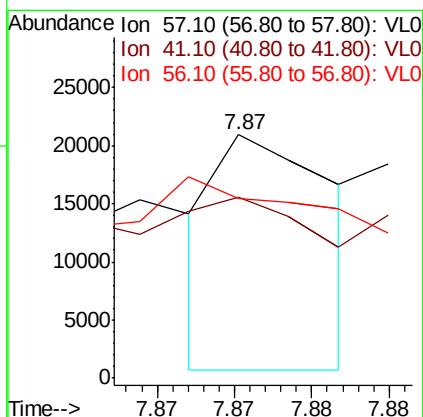
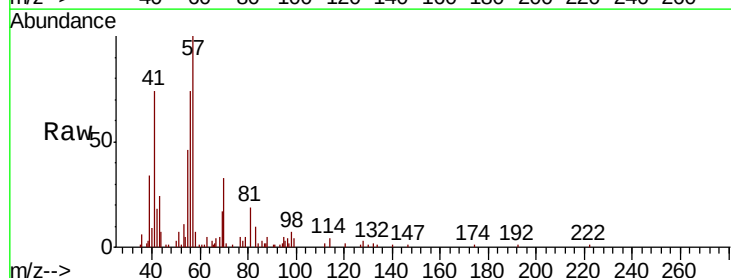
Tgt Ion: 57 Resp: 10493

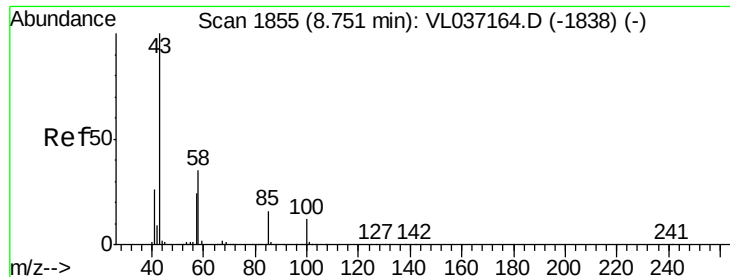
Ion Ratio Lower Upper

57 100

41 316.4 27.6 41.4#

56 379.8 25.3 37.9#

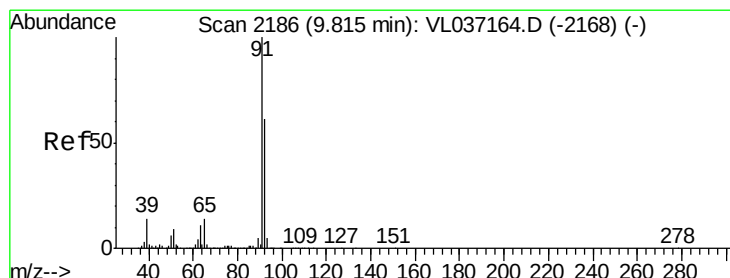
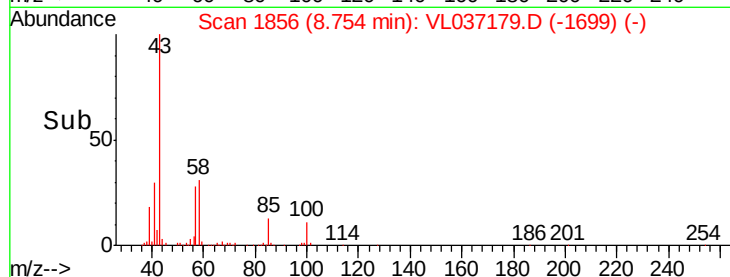
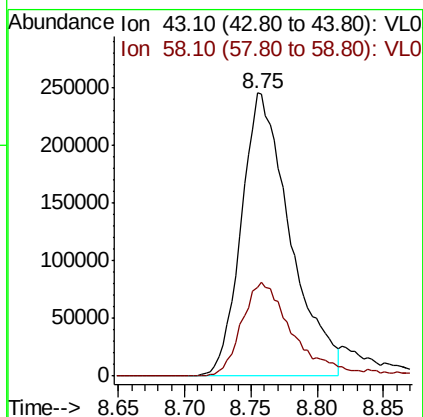
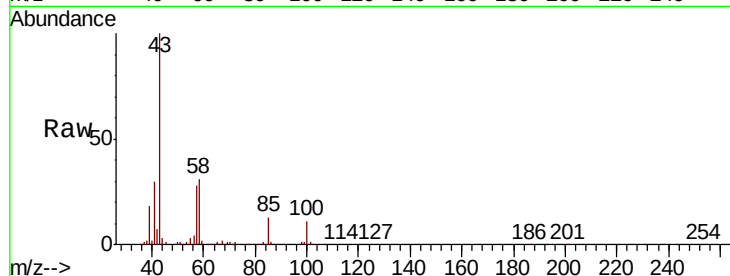




#50
4-Methyl-2-Pentanone
Concen: 3.084 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

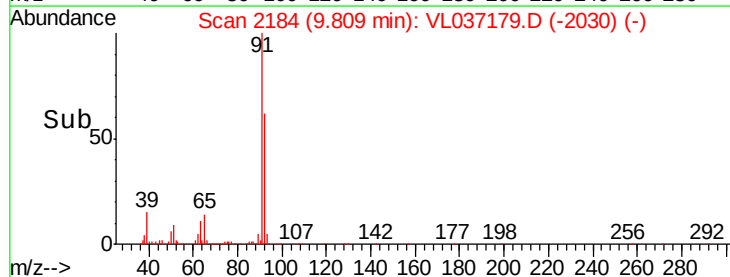
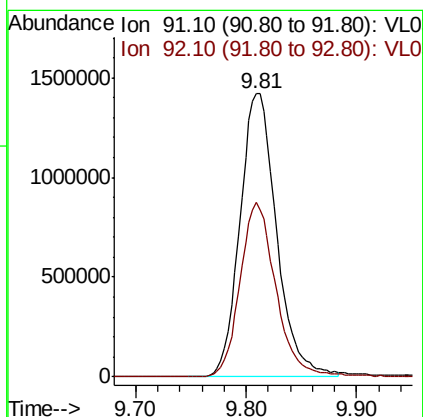
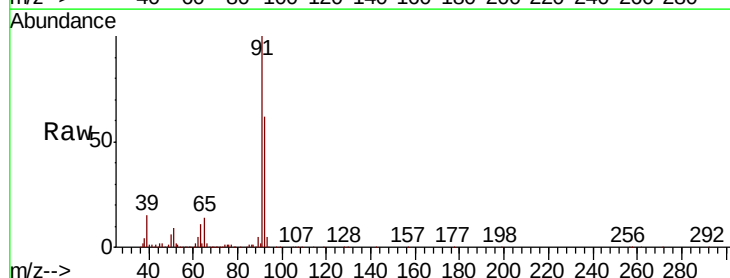
Instrument :
MSVOA_L
ClientSampled :

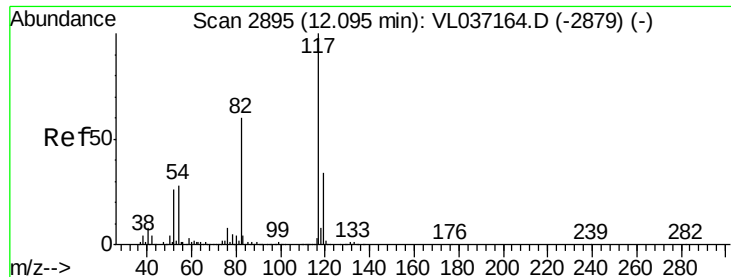
Tot Ion: 43 Resp: 630443
Ion Ratio Lower Upper
43 100
58 36.8 28.4 42.6



#53
Toluene
Concen: 8.863 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 91 Resp: 3275809
Ion Ratio Lower Upper
91 100
92 60.5 48.3 72.5

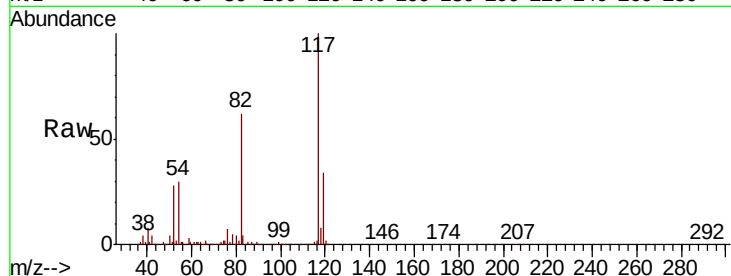




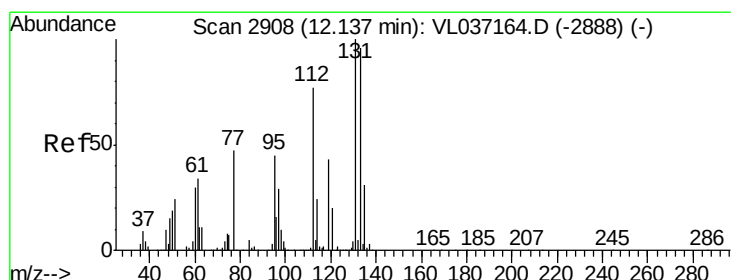
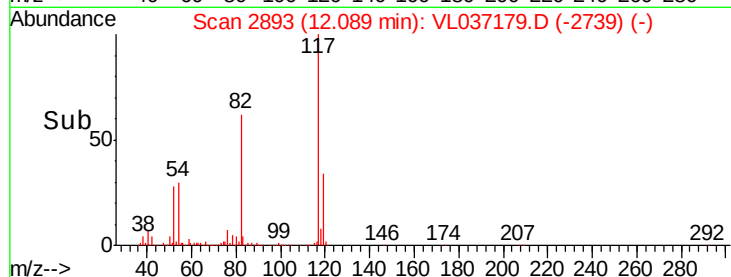
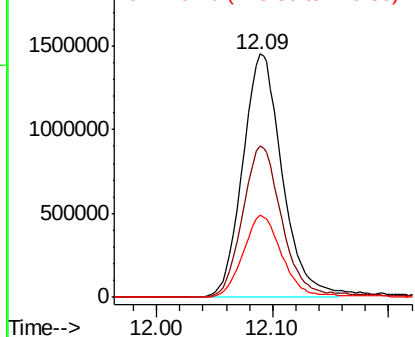
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3439781
Ion Ratio Lower Upper
117 100
82 64.2 51.7 77.5
119 34.2 47.6 71.4#

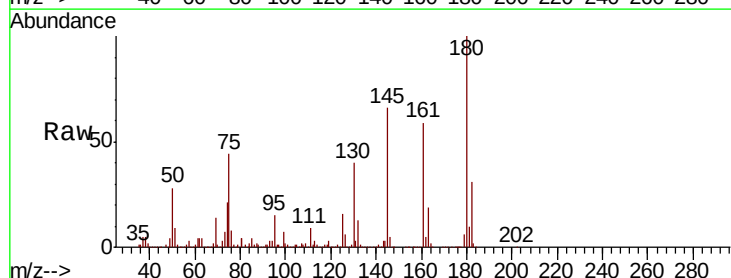


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

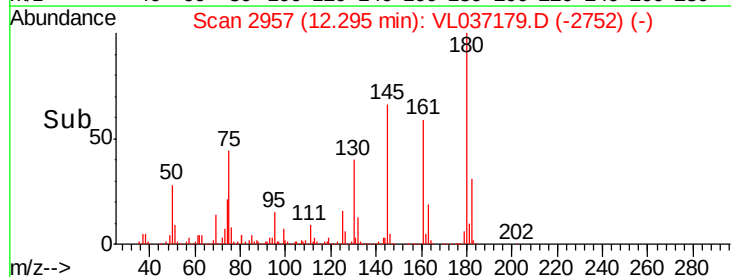
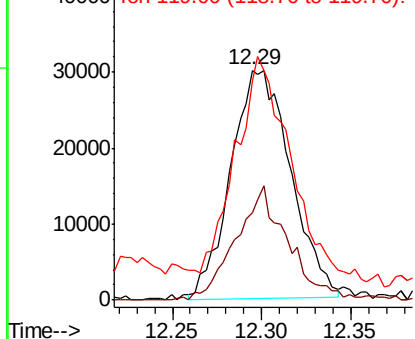


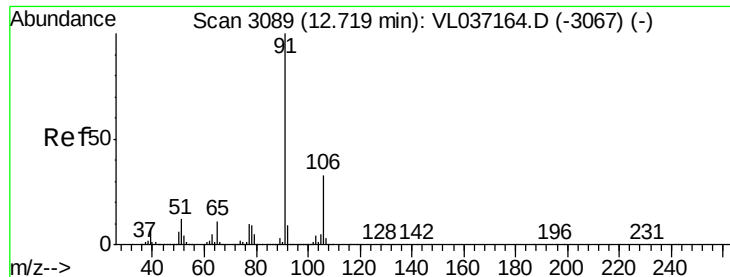
#56
1,1,1,2-Tetrachloroethane
Concen: 0.469 ppbv
RT: 12.29 min Scan# 2957
Delta R.T. 0.16 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion:131 Resp: 70485
Ion Ratio Lower Upper
131 100
133 43.7 76.5 114.7#
119 115.1 48.6 72.8#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#58

Ethyl Benzene

Concen: 3.565 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

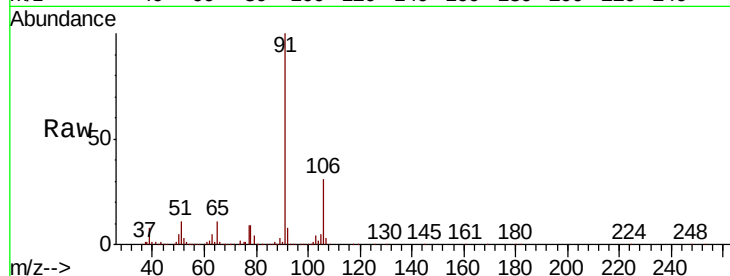
ClientSampled :

Tot Ion: 91 Resp: 1687951

Ion Ratio Lower Upper

91 100

106 31.3 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.72

800000

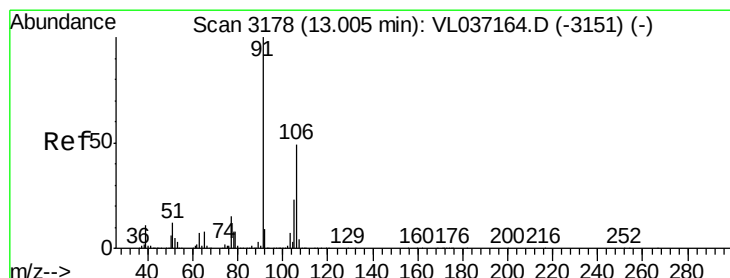
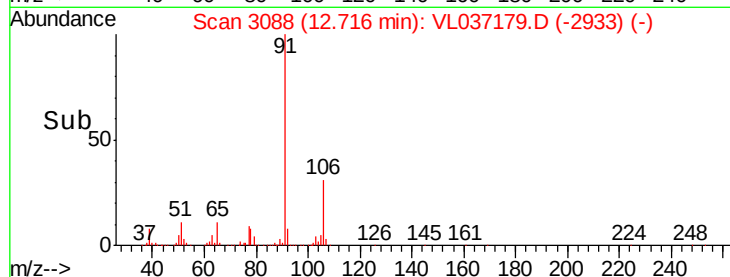
600000

400000

200000

0

Time--> 12.60 12.70 12.80



#59

m/p-Xylene

Concen: 17.699 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.04 min

Lab File: VL037179.D

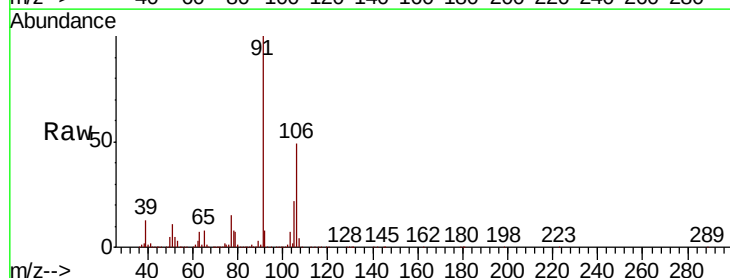
Acq: 16 Jun 2021 20:43

Tgt Ion: 91 Resp: 7102535

Ion Ratio Lower Upper

91 100

106 49.2 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.97

2500000

2000000

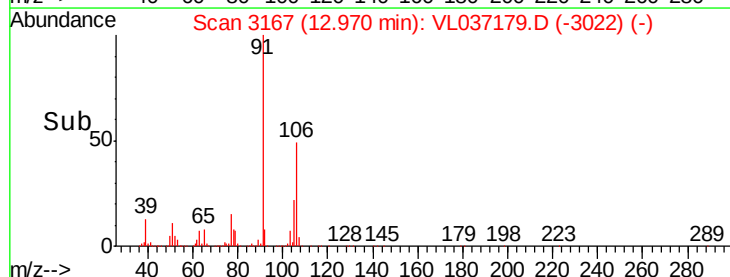
1500000

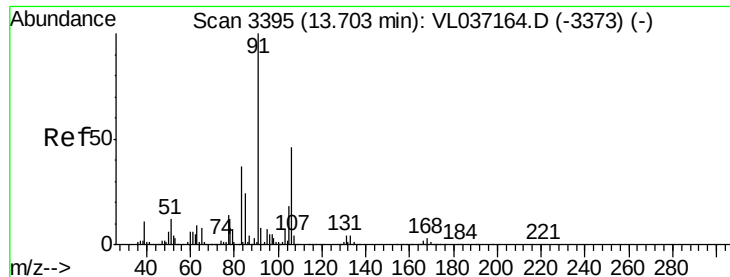
1000000

500000

0

Time--> 12.90 13.00 13.10

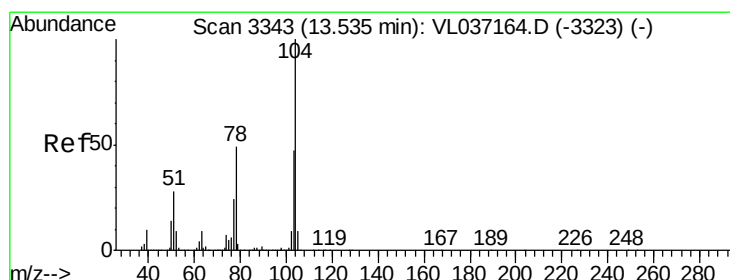
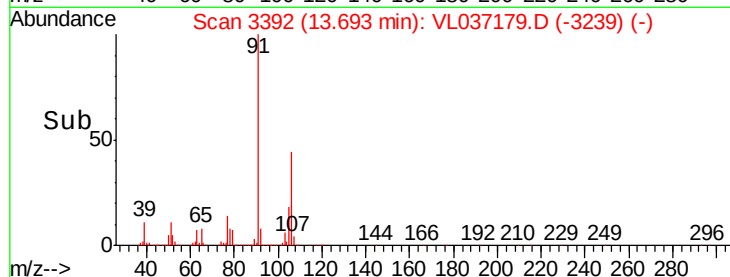
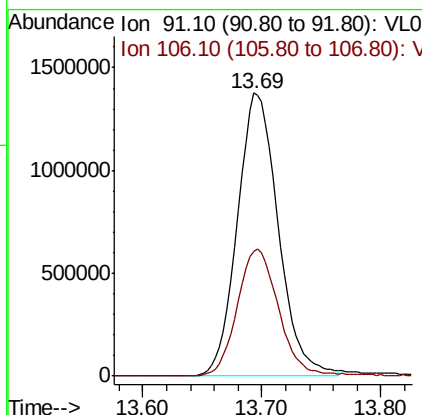
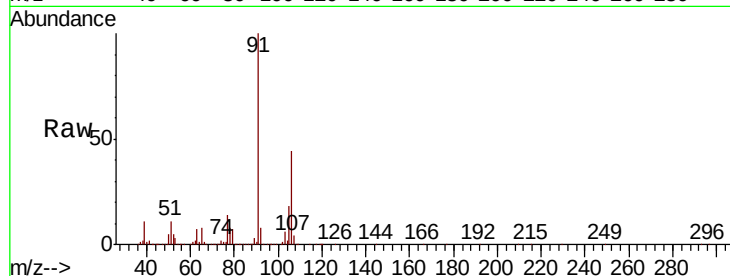




#60
o-Xylene
Concen: 8.542 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

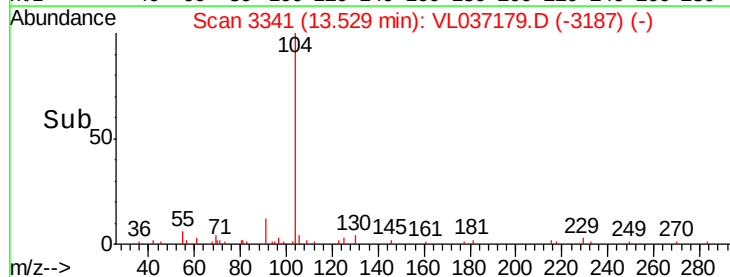
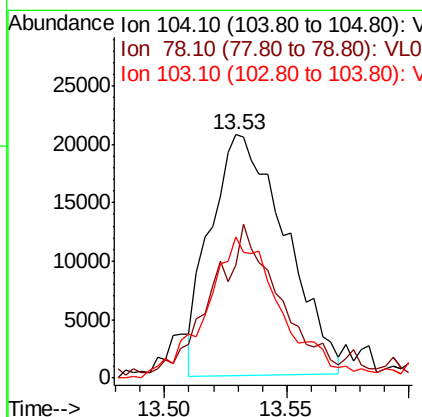
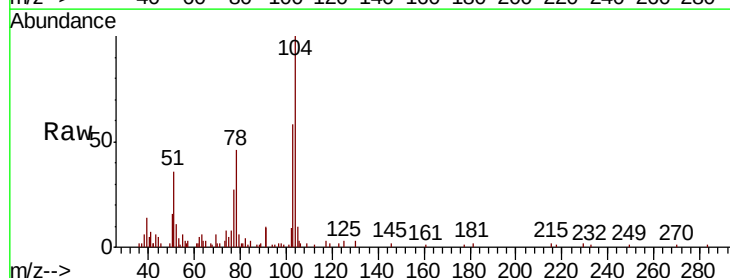
Instrument :
MSVOA_L
ClientSampleId :

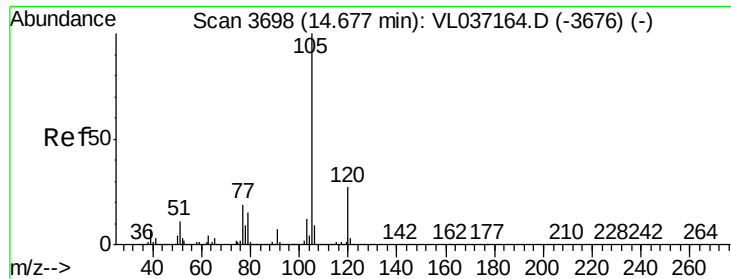
Tot Ion: 91 Resp: 3263947
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0



#61
Styrene
Concen: 0.224 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion:104 Resp: 44119
Ion Ratio Lower Upper
104 100
78 67.8 39.7 59.5#
103 59.5 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.110 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

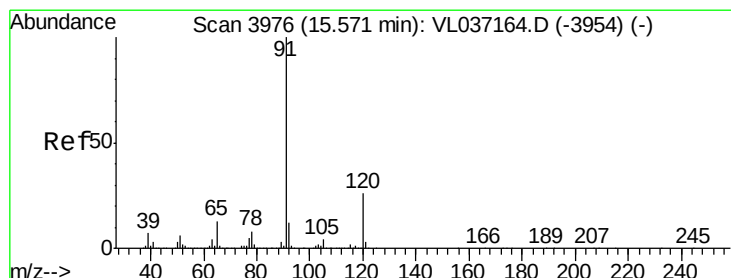
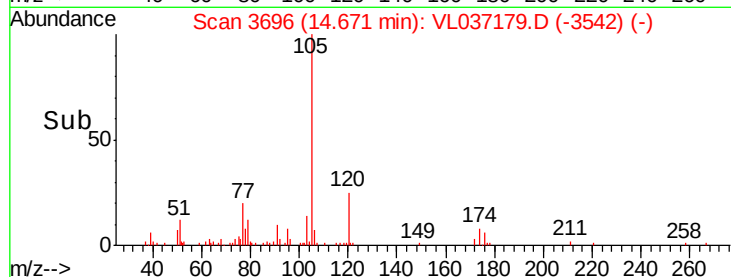
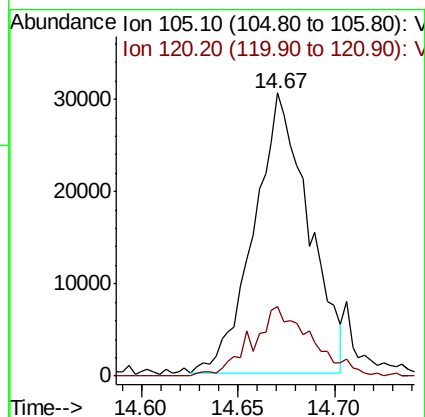
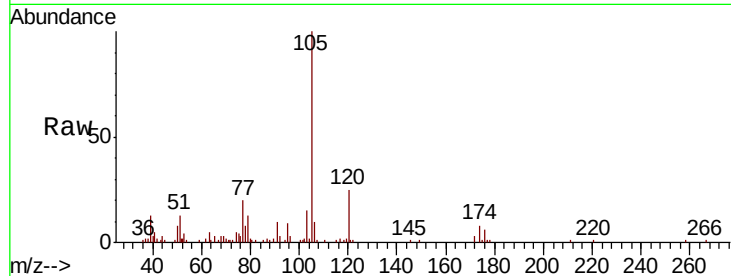
ClientSampleId :

Tot Ion:105 Resp: 59866

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4



#64

n-propylbenzene

Concen: 0.085 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL037179.D

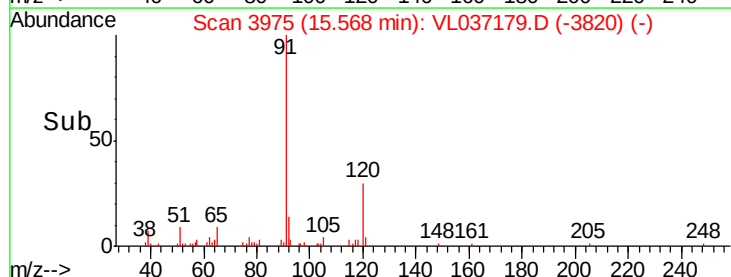
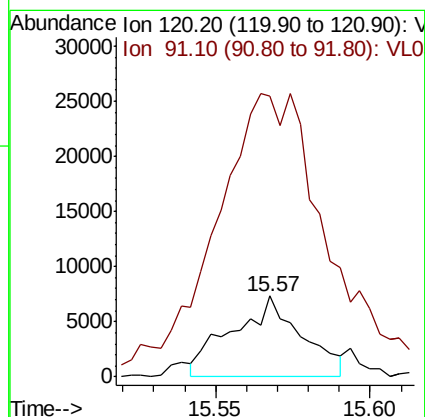
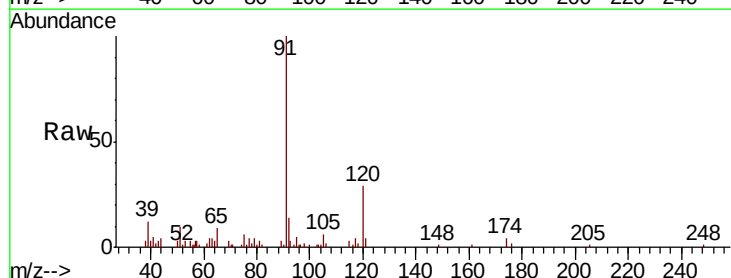
Acq: 16 Jun 2021 20:43

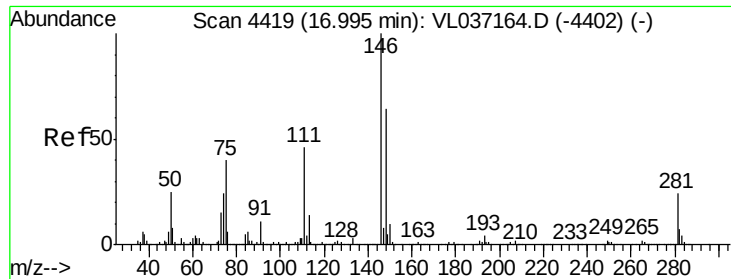
Tgt Ion:120 Resp: 11498

Ion Ratio Lower Upper

120 100

91 575.0 343.3 514.9#

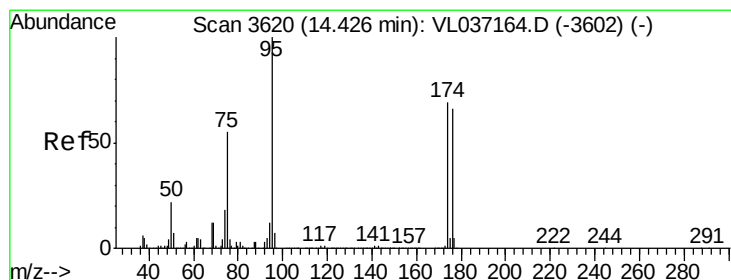
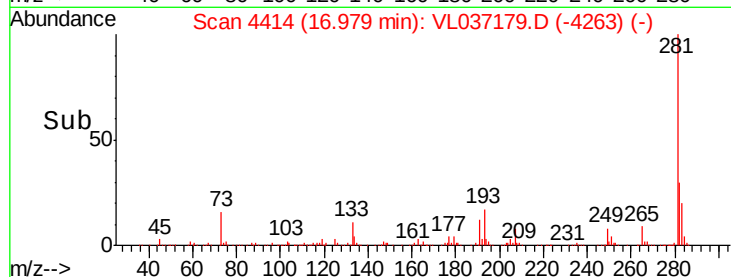
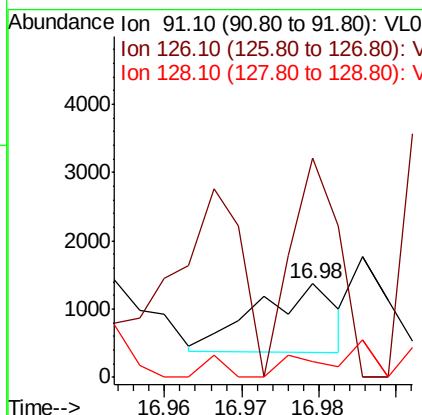
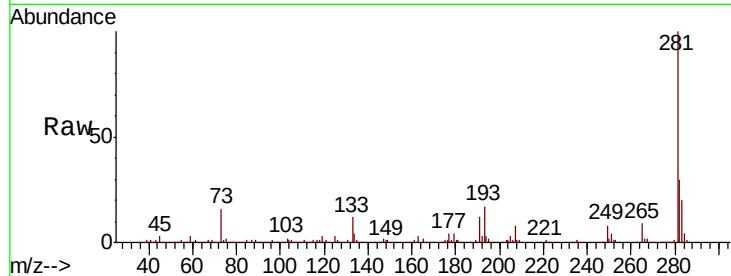




#66
Benzvl Chloride
Concen: 0.035 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

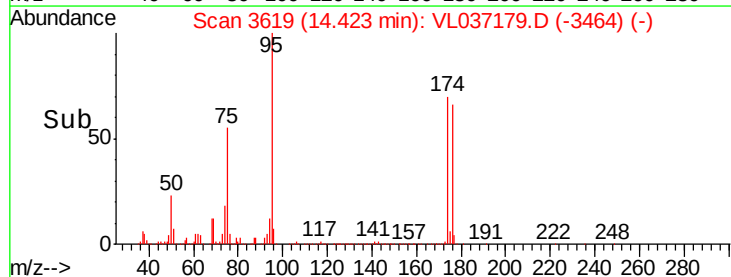
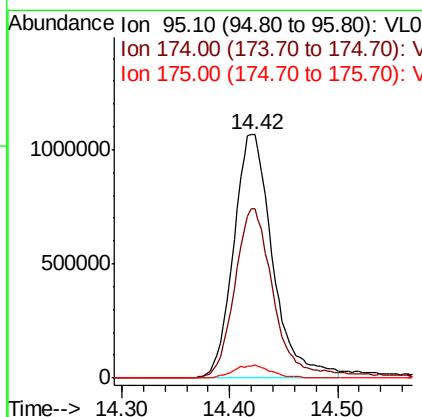
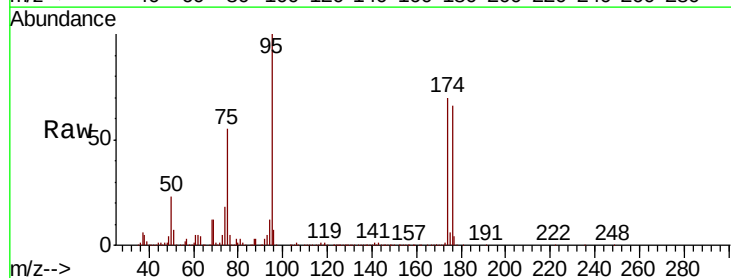
Instrument :
MSVOA_L
ClientSampleId :

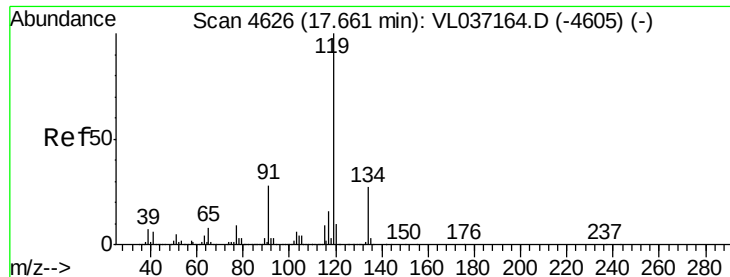
Tot Ion: 91 Resp: 724
Ion Ratio Lower Upper
91 100
126 590.9 15.5 23.3#
128 45.4 5.7 8.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.312 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL037179.D
Acq: 16 Jun 2021 20:43

Tgt Ion: 95 Resp: 2687976
Ion Ratio Lower Upper
95 100
174 72.4 57.0 85.4
175 5.3 4.4 6.6





#69

p-Isopropyltoluene

Concen: 0.073 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

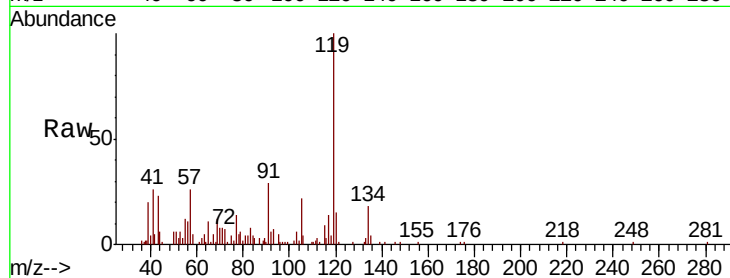
Tot Ion: 119 Resp: 39877

Ion Ratio Lower Upper

119 100

134 39.3 20.9 31.3#

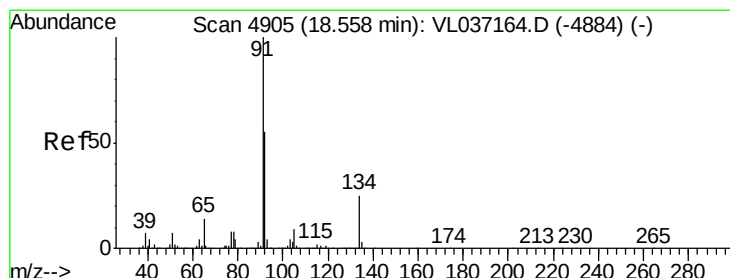
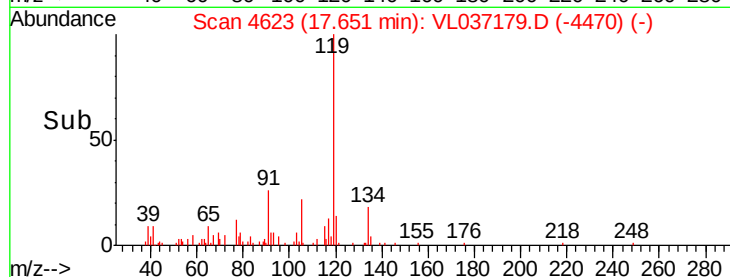
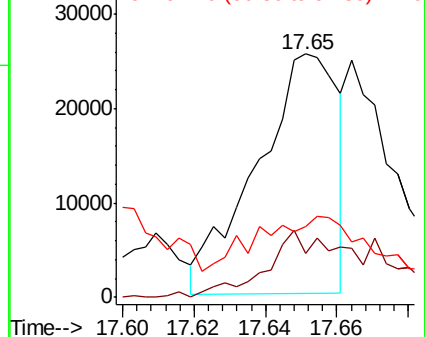
91 51.4 22.6 34.0#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.036 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

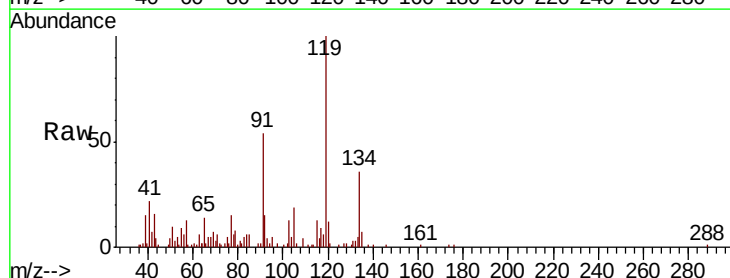
Tgt Ion: 91 Resp: 17875

Ion Ratio Lower Upper

91 100

92 78.2 44.0 66.0#

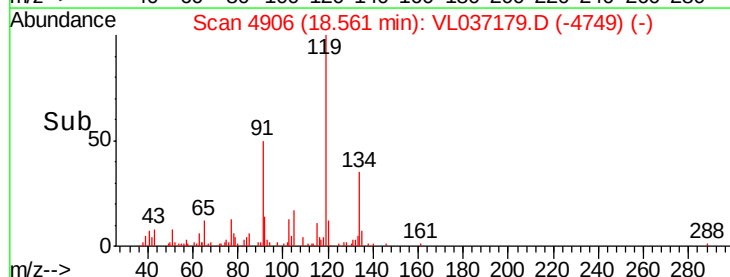
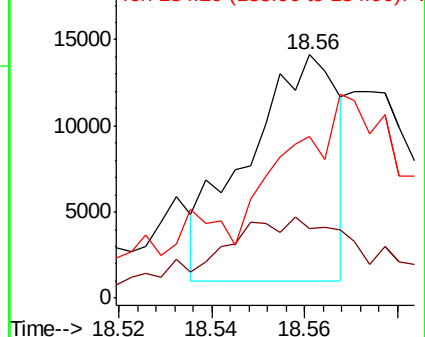
134 0.0 20.2 30.4#

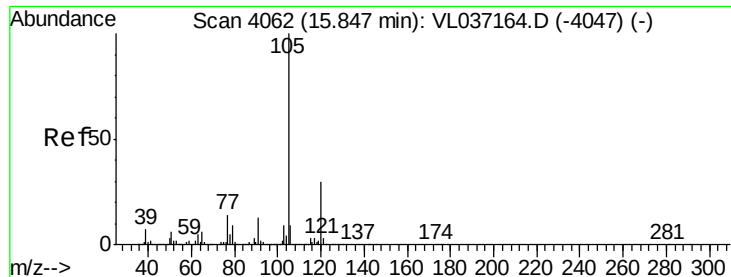


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.116 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 50519

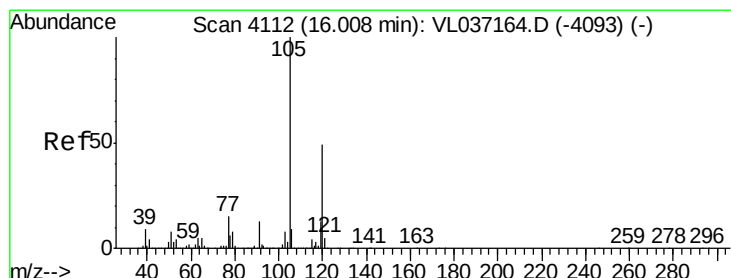
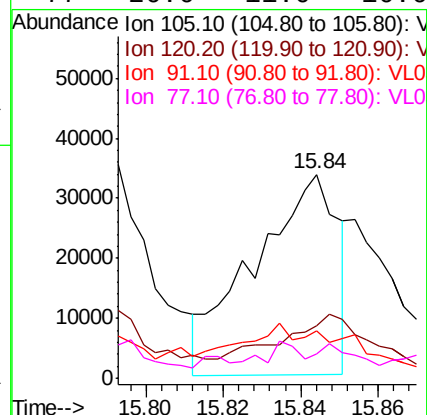
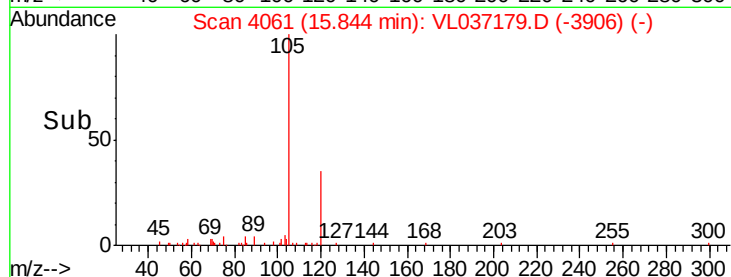
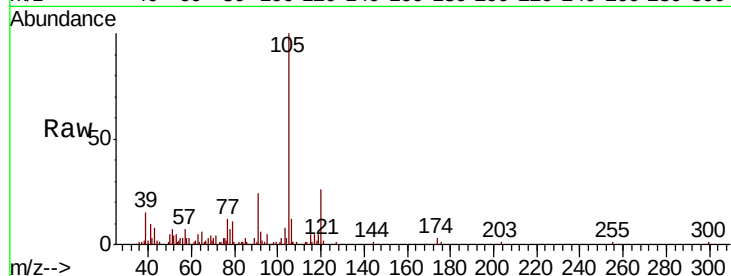
Ion Ratio Lower Upper

105 100

120 45.8 24.7 37.1#

91 40.5 10.2 15.4#

77 26.6 11.0 16.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.306 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037179.D

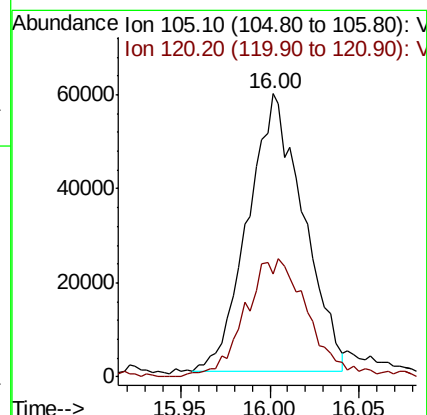
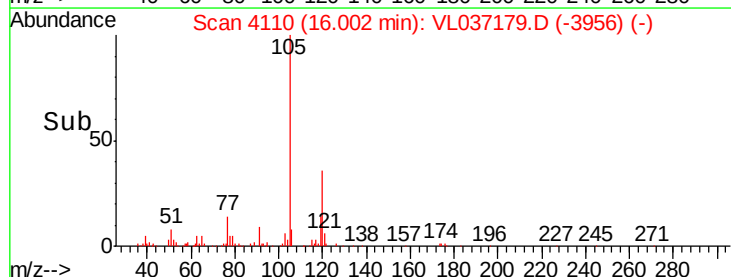
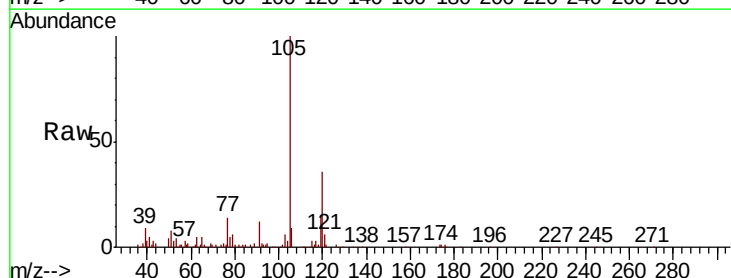
Acq: 16 Jun 2021 20:43

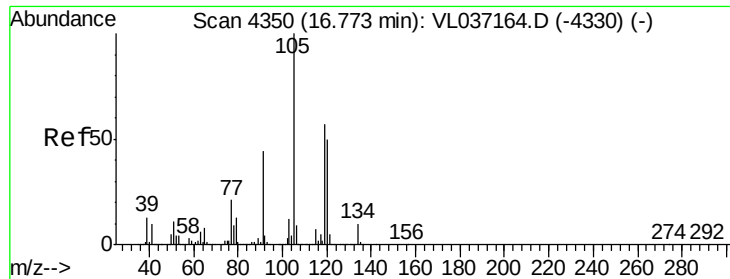
Tgt Ion:105 Resp: 128205

Ion Ratio Lower Upper

105 100

120 35.3 39.4 59.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.736 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL037179.D

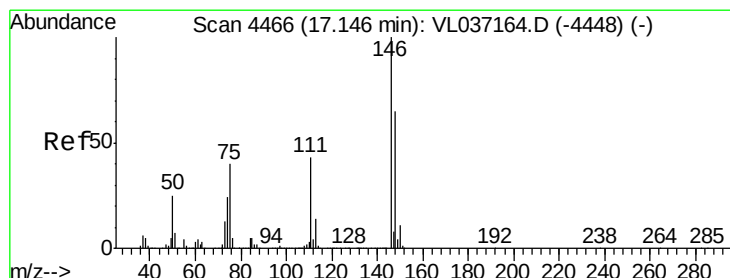
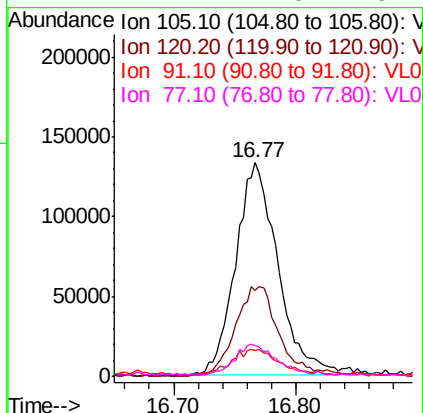
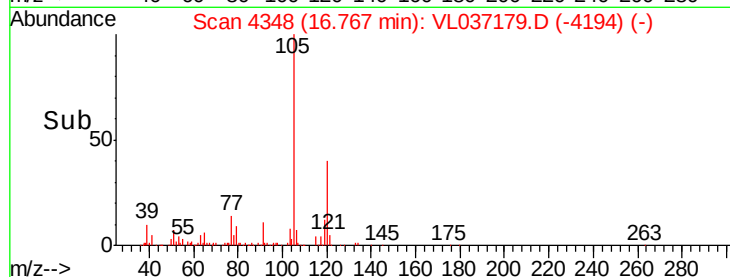
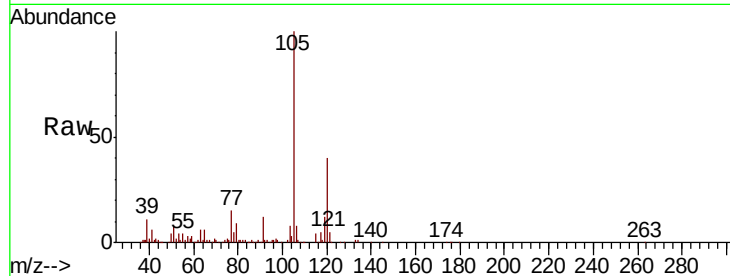
Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	318140
Ion	Ratio	Lower	Upper
105	100		
120	40.5	39.8	59.8
91	11.3	37.0	55.4#
77	14.2	17.0	25.4#



#76

1,4-Dichlorobenzene

Concen: 0.079 ppbv

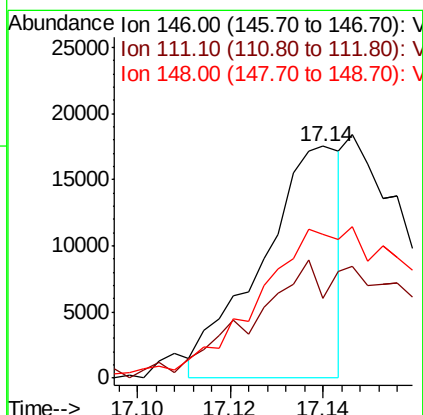
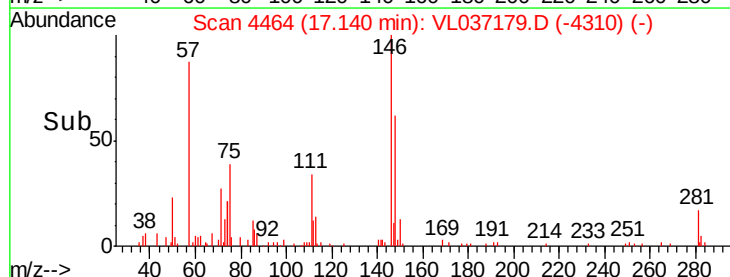
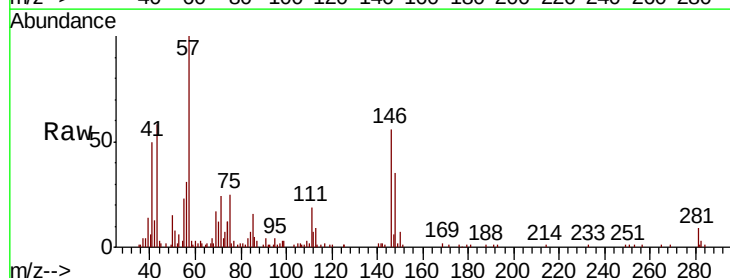
RT: 17.14 min Scan# 4464

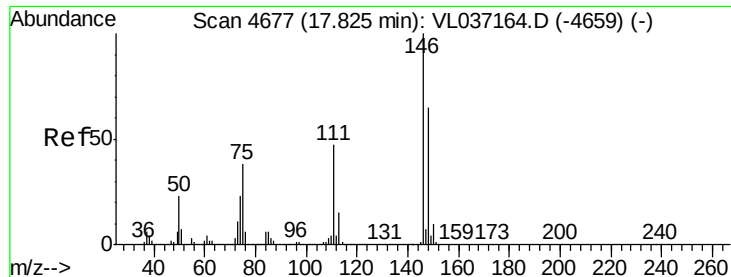
Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Tgt Ion:	146	Resp:	20820
Ion	Ratio	Lower	Upper
146	100		
111	134.6	22.7	68.0#
148	0.0	33.7	101.1#

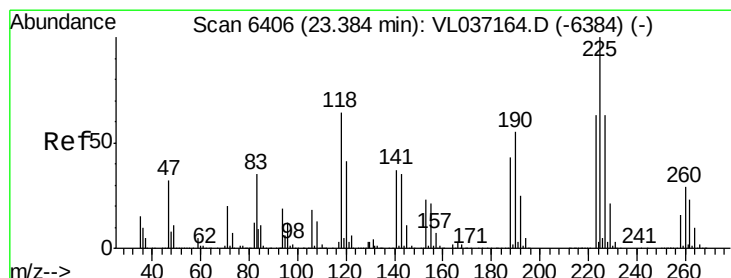
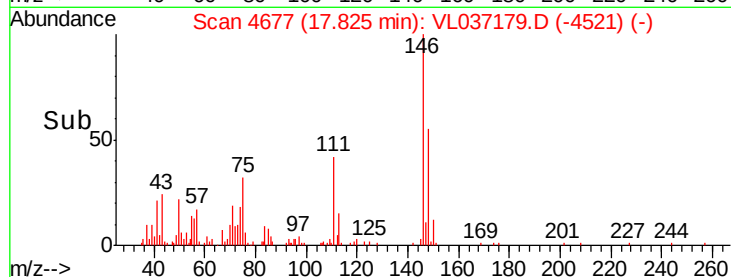
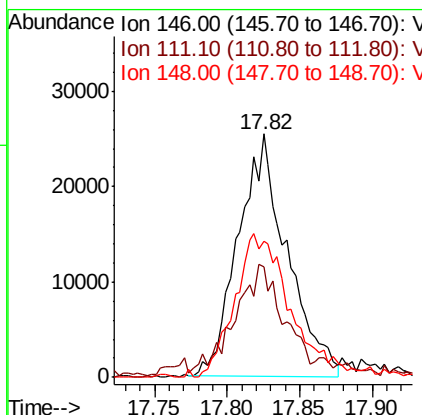
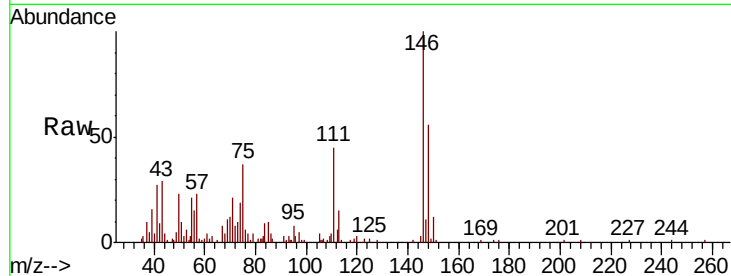




#77
 1,2-Dichlorobenzene
 Concen: 0.234 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

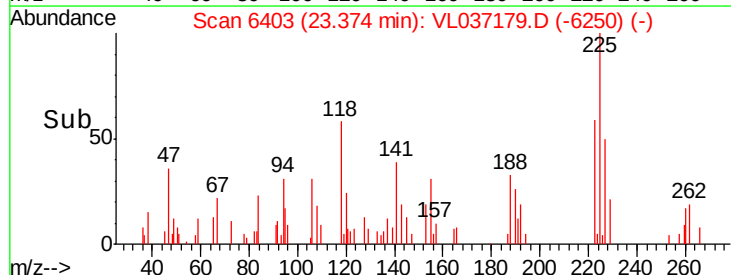
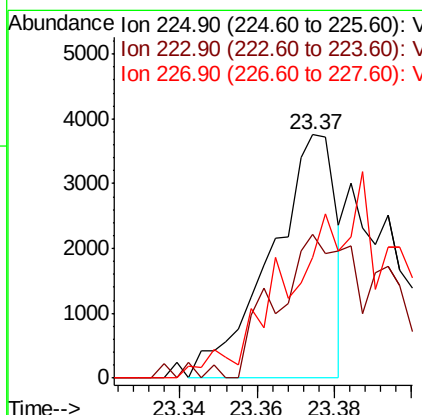
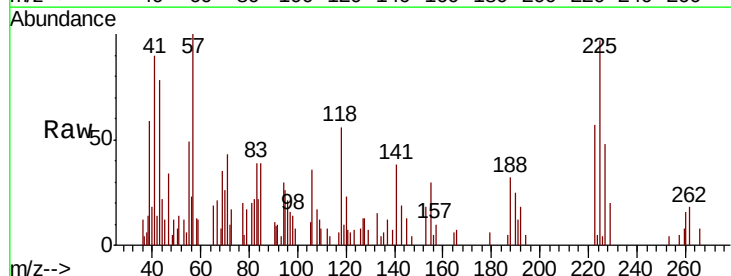
Instrument :
 MSVOA_L
 ClientSampleId :

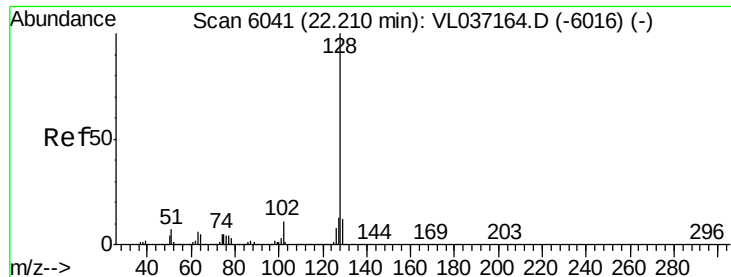
Tot Ion:146 Resp: 59484
 Ion Ratio Lower Upper
 146 100
 111 52.6 23.3 69.8
 148 70.3 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.020 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.01 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

Tgt Ion:225 Resp: 4380
 Ion Ratio Lower Upper
 225 100
 223 112.4 51.8 77.8#
 227 0.0 51.4 77.0#





#79

Naphthalene

Concen: 0.085 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

Instrument :

MSVOA_L

ClientSampleId :

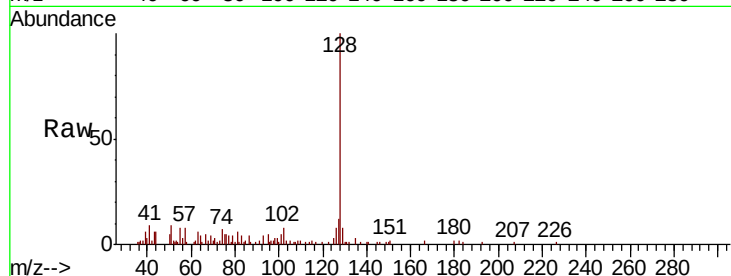
Tot Ion:128 Resp: 30578

Ion Ratio Lower Upper

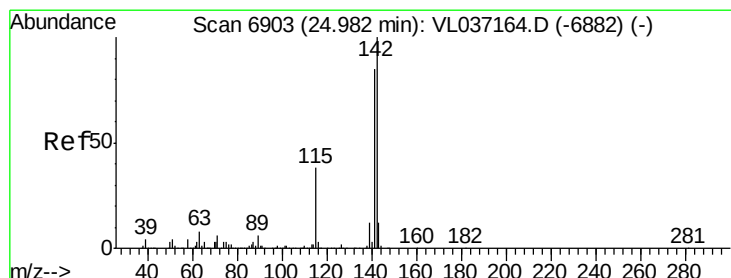
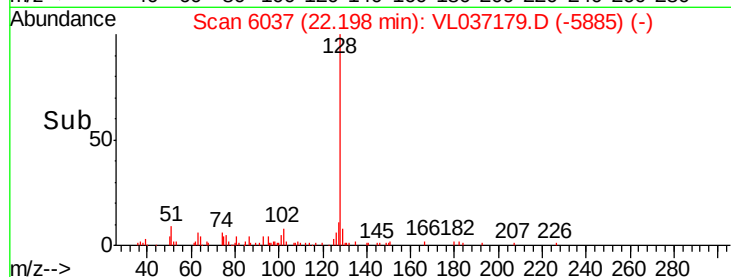
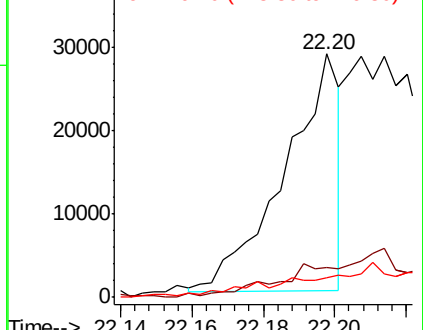
128 100

127 7.1 10.7 16.1#

129 6.9 9.3 13.9#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.064 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.01 min

Lab File: VL037179.D

Acq: 16 Jun 2021 20:43

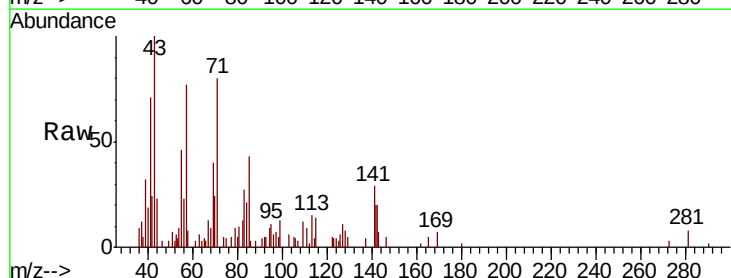
Tgt Ion:142 Resp: 6072

Ion Ratio Lower Upper

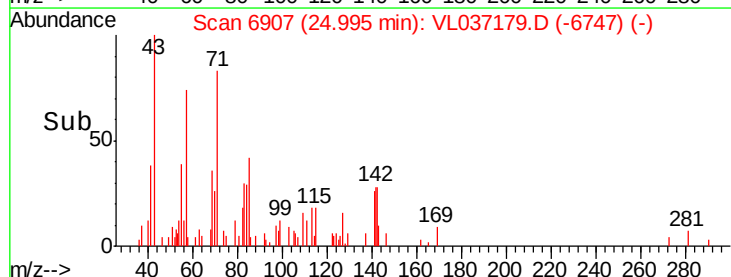
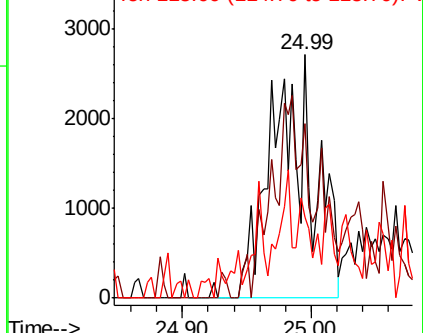
142 100

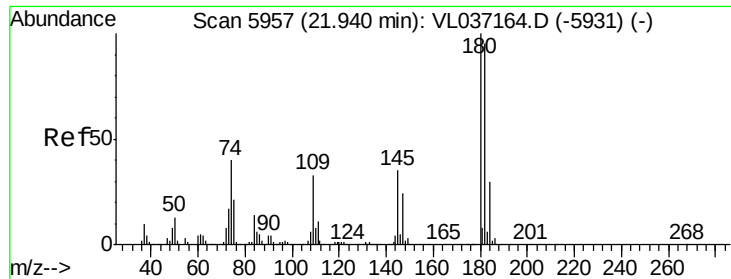
141 85.7 63.7 95.5

115 86.5 30.6 45.8#



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





#81
 1,2,4-Trichlorobenzene
 Concen: 0.106 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.02 min
 Lab File: VL037179.D
 Acq: 16 Jun 2021 20:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 22019
 Ion Ratio Lower Upper
 180 100
 182 0.0 79.3 118.9#
 184 0.0 24.7 37.1#

