

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037188.D
 Acq On : 17 Jun 2021 2:53
 Operator : SY/AP
 Sample : M2721-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 04:43:16 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	1544939	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4502749	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4074638	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3196446	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	63021	0.235	ppbv	99
3) Chlorodifluoromethane	2.96	51	10517605	35.011	ppbv #	57
4) Chloromethane	3.14	50	60981	0.609	ppbv	99
9) Propene	3.20	41	1600959	16.667	ppbv	100
10) Heptane	8.12	43	86211	0.371	ppbv	97
11) Trichlorofluoromethane	3.95	101	52387	0.183	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.48	101	11213	0.055	ppbv	94
13) Ethanol	3.61	45	5253612	353.570	ppbv	46
15) Acetone	3.84	43	7656431	43.947	ppbv	89
16) 1,3-Butadiene	3.30	39	15363	0.149	ppbv #	34
17) tert-Butyl alcohol	4.30	59	536911	3.334	ppbv	95
19) Isopropyl Alcohol	3.97	45	1152225	10.919	ppbv #	1
20) Methylene Chloride	4.34	84	166108	1.593	ppbv	93
21) Allyl Chloride	4.30	41	148233	1.129	ppbv #	63
23) Vinyl Acetate	5.06	43	231953	0.929	ppbv #	58
25) Ethyl Acetate	5.67	43	6560630	17.395	ppbv #	94
26) Hexane	5.68	57	1384680	7.264	ppbv #	1
27) Carbon Disulfide	4.55	76	68936	0.369	ppbv	98
30) Cyclohexane	7.13	84	405151	2.551	ppbv	89
31) cis-1,2-Dichloroethene	5.67	61	753463	4.301	ppbv #	23
34) 2-Butanone	5.24	43	1013326	5.787	ppbv	98
35) Carbon Tetrachloride	7.02	117	8589	0.028	ppbv #	53
36) Benzene	6.89	78	38657	0.106	ppbv	95
37) 1,2-Dichloroethane	6.31	62	13802	0.065	ppbv #	63
39) 1,2-Dichloropropane	7.18	63	1081724	7.995	ppbv #	23
41) Tetrahydrofuran	6.05	42	83428	1.026	ppbv #	85
43) Methyl Methacrylate	8.02	69	3423	0.027	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	33659	0.055	ppbv #	1
50) 4-Methyl-2-Pentanone	8.75	43	27729	0.115	ppbv #	68
51) 2-Hexanone	10.05	43	67041	0.573	ppbv #	43
53) Toluene	9.81	91	1164216	2.677	ppbv	99
58) Ethyl Benzene	12.71	91	536794	0.957	ppbv	95
59) m/p-Xylene	12.97	91	1595054	3.356	ppbv	98
60) o-Xylene	13.69	91	678011	1.498	ppbv	99
61) Styrene	13.53	104	6593228	28.224	ppbv	96
62) Isopropylbenzene	14.67	105	156750	0.244	ppbv	100
64) n-propylbenzene	15.56	120	73745	0.458	ppbv	79
65) tert-Butylbenzene	16.77	119	134887	0.236	ppbv #	62
66) Benzyl Chloride	16.85	91	1419	0.059	ppbv #	1
67) sec-Butylbenzene	17.29	105	55130	0.072	ppbv	99
69) p-Isopropyltoluene	17.65	119	76112	0.118	ppbv #	48

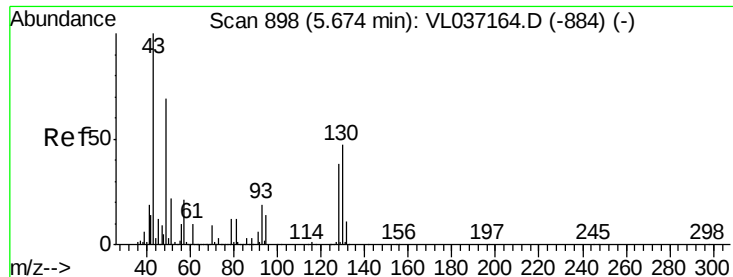
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037188.D
 Acq On : 17 Jun 2021 2:53
 Operator : SY/AP
 Sample : M2721-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 04:43:16 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)
70) n-Butylbenzene	18.55	91	98026	0.165	ppbv #	32
71) 2-Chlorotoluene	15.56	91	168197	0.374	ppbv #	52
72) 4-Ethyltoluene	15.84	105	346150	0.673	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	380088	0.765	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	1214123	2.371	ppbv #	74
75) 1,3-Dichlorobenzene	17.14	146	90441	0.290	ppbv #	6
76) 1,4-Dichlorobenzene	17.14	146	90441	0.291	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

ClientSampleId :

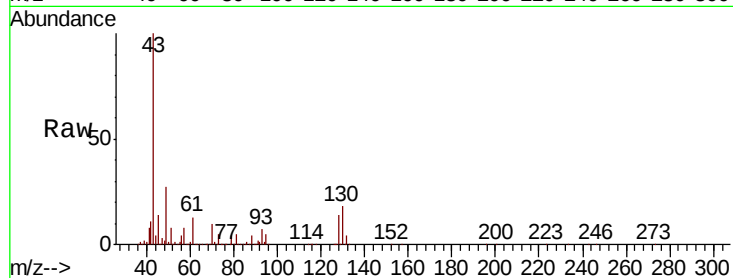
Tot Ion: 49 Resp: 1544939

Ion Ratio Lower Upper

49 100

128 54.0 29.3 88.0

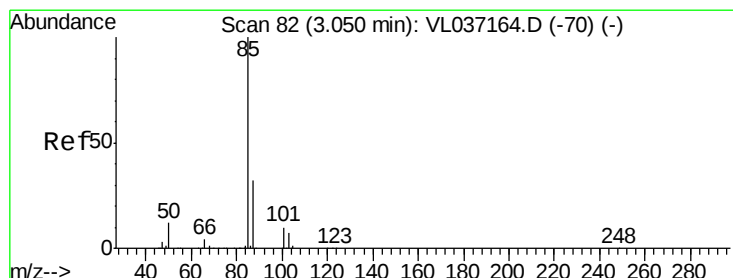
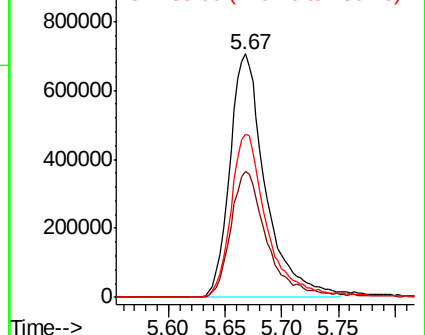
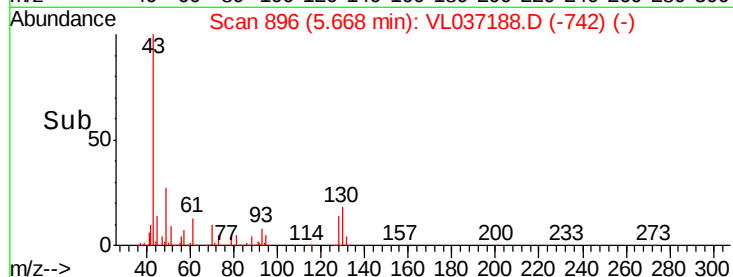
130 69.0 35.9 107.8



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: 0.235 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037188.D

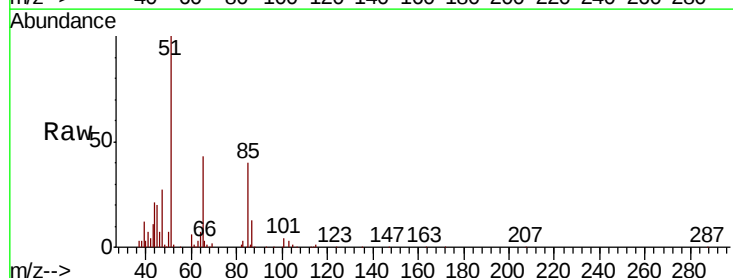
Acq: 17 Jun 2021 2:53

Tgt Ion: 85 Resp: 63021

Ion Ratio Lower Upper

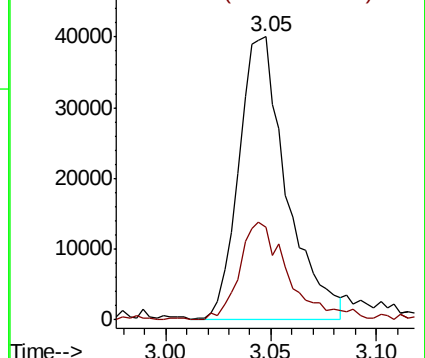
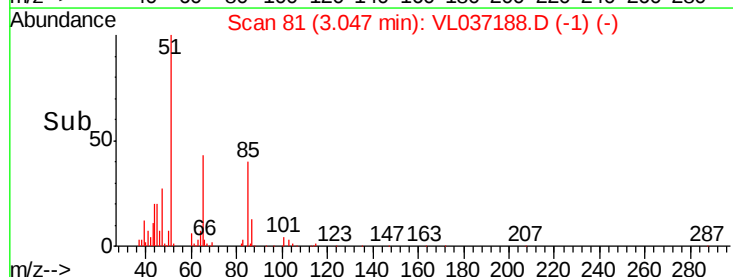
85 100

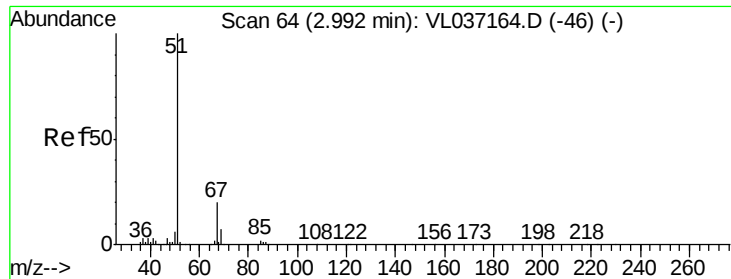
87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

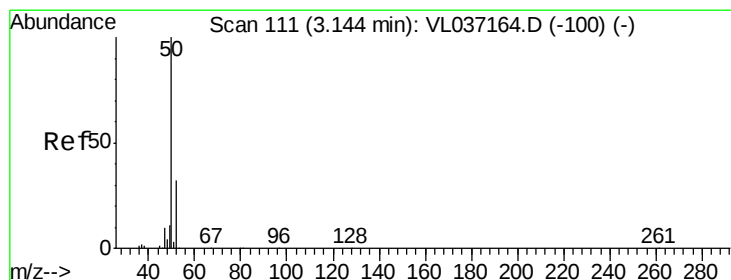
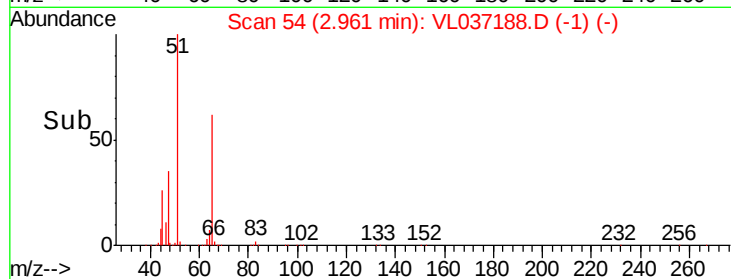
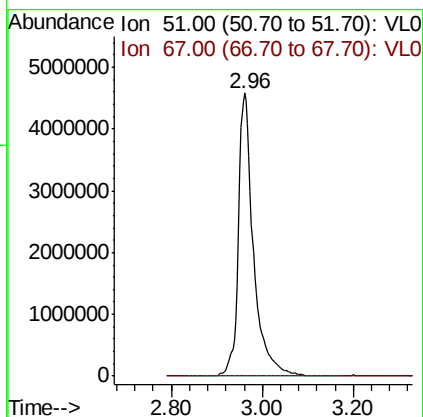
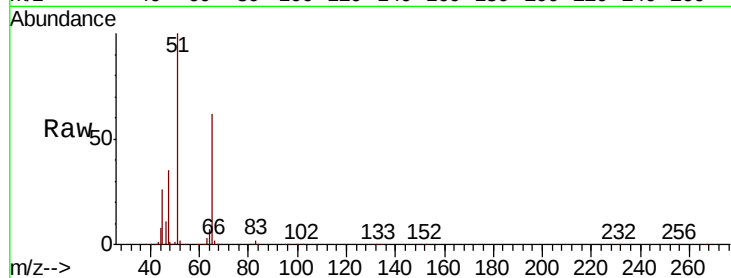




#3
Chlorodifluoromethane
Concen: 35.011 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

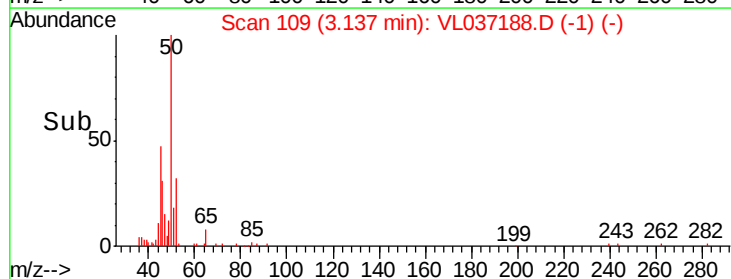
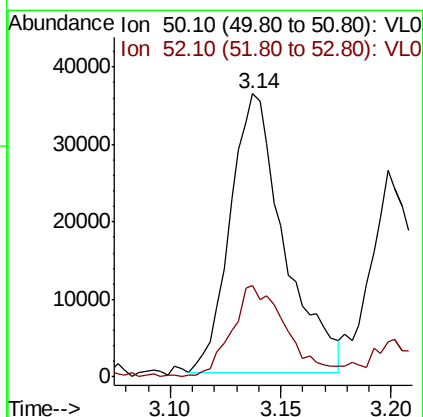
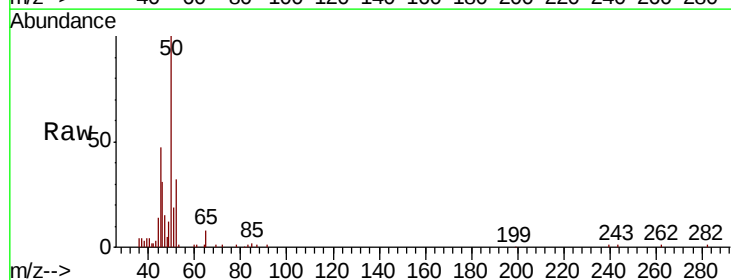
Instrument :
MSVOA_L
ClientSampleId :

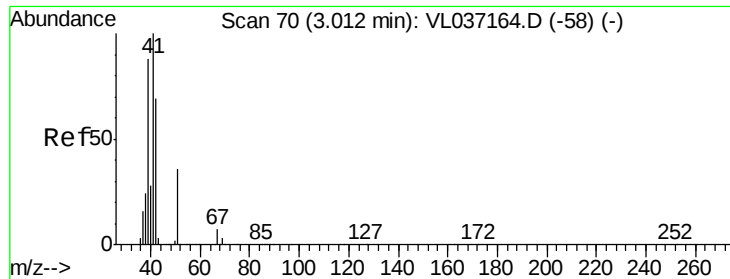
Tot Ion: 51 Resp: 10517605
Ion Ratio Lower Upper
51 100
67 0.1 15.8 23.6#



#4
Chloromethane
Concen: 0.609 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 50 Resp: 60981
Ion Ratio Lower Upper
50 100
52 32.0 25.8 38.8





#9

Propene

Concen: 16.667 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

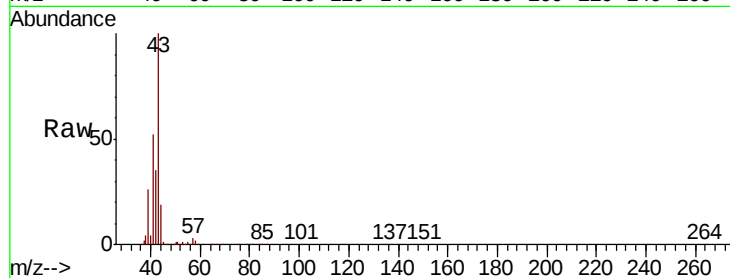
ClientSampleId :

Tot Ion: 41 Resp: 1600959

Ion Ratio Lower Upper

41 100

42 68.3 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.20

1000000

800000

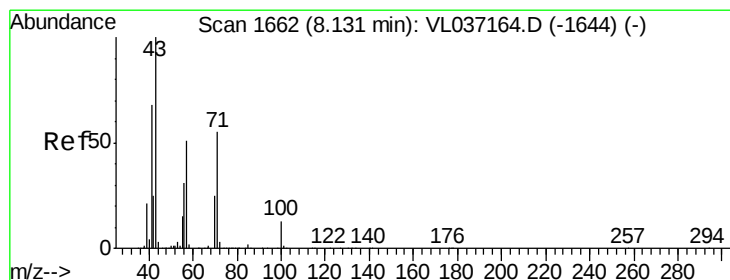
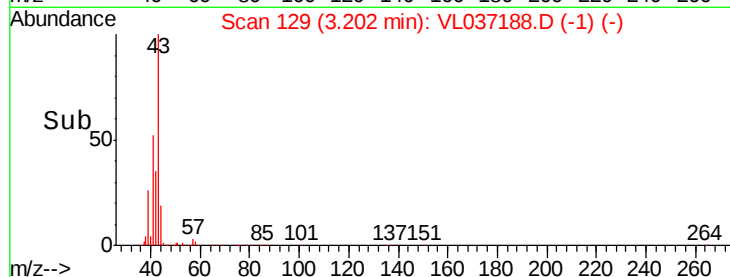
600000

400000

200000

0

Time-->



#10

Heptane

Concen: 0.371 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037188.D

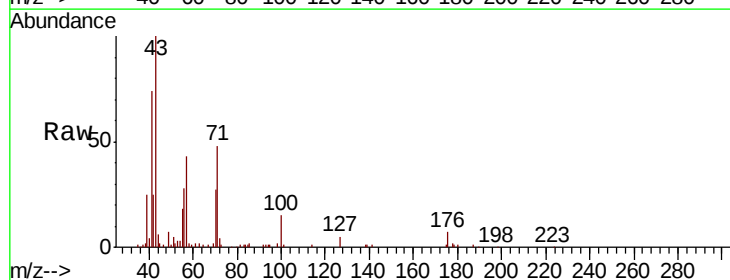
Acq: 17 Jun 2021 2:53

Tgt Ion: 43 Resp: 86211

Ion Ratio Lower Upper

43 100

57 52.6 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

120000

100000

80000

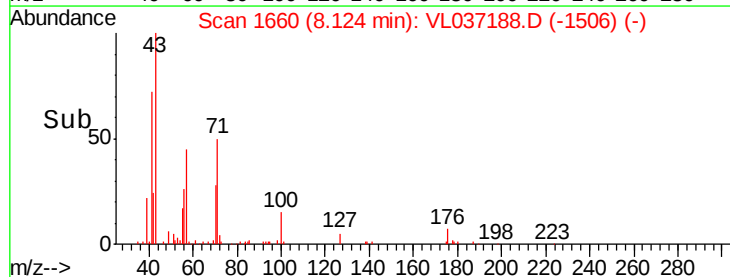
60000

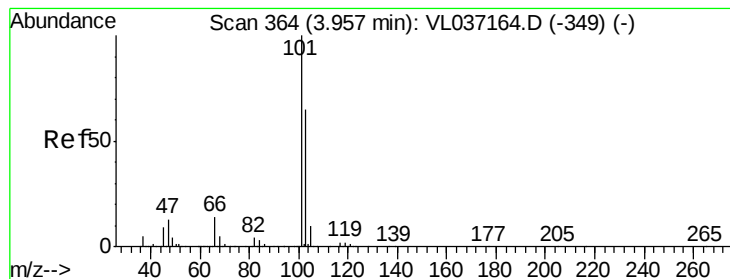
40000

20000

0

Time-->





#11

Trichlorofluoromethane

Concen: 0.183 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

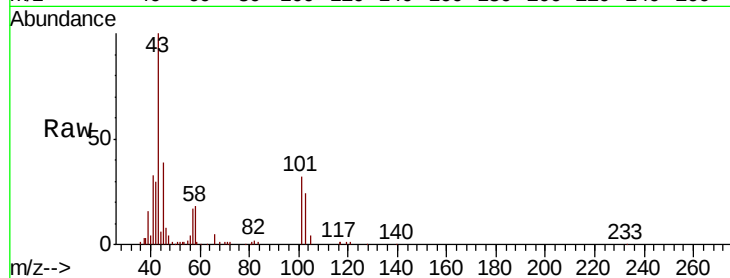
ClientSampleId :

Tot Ion:101 Resp: 52387

Ion Ratio Lower Upper

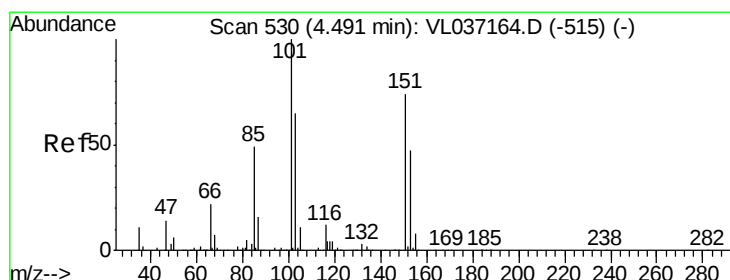
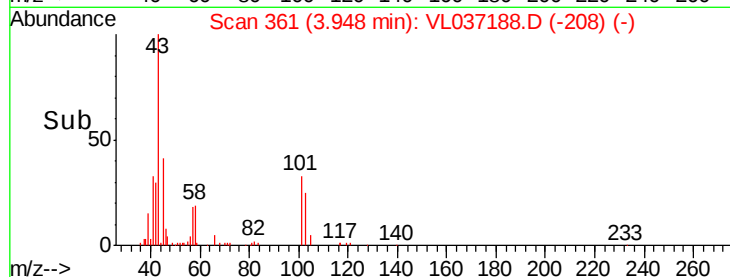
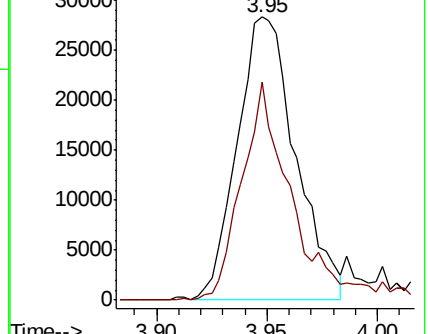
101 100

103 77.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.055 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL037188.D

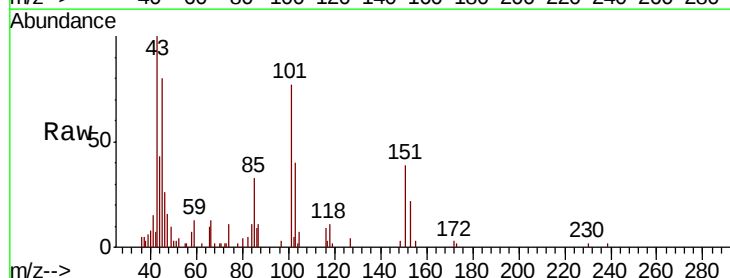
Acq: 17 Jun 2021 2:53

Tgt Ion:101 Resp: 11213

Ion Ratio Lower Upper

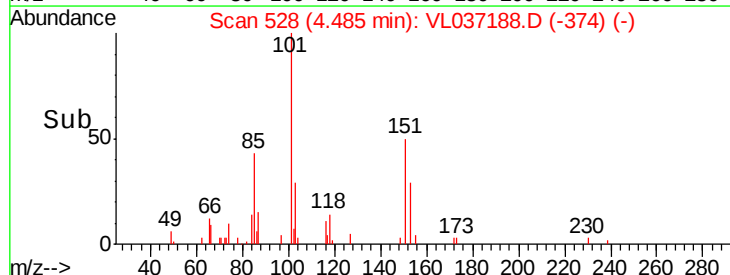
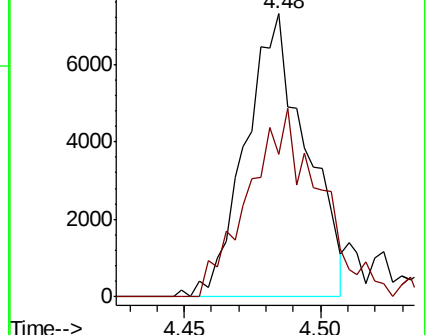
101 100

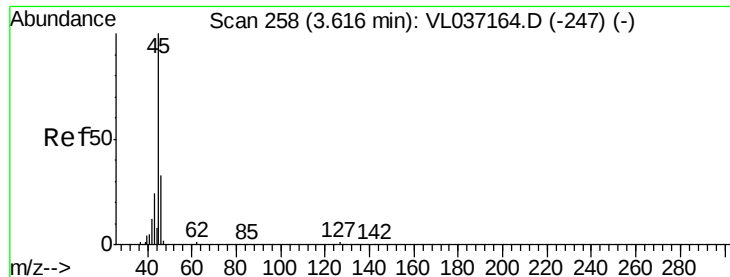
151 79.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

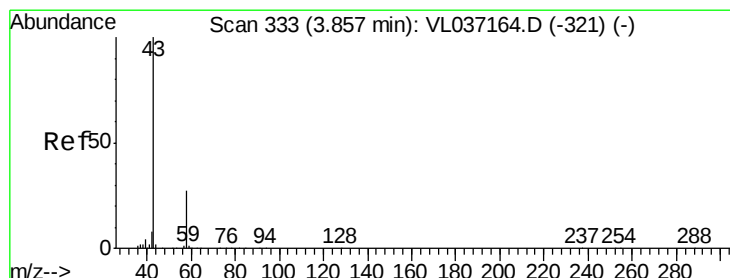
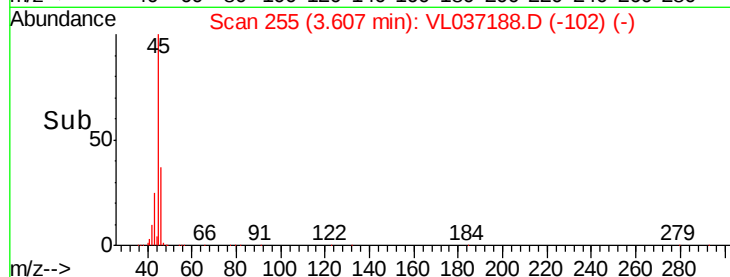
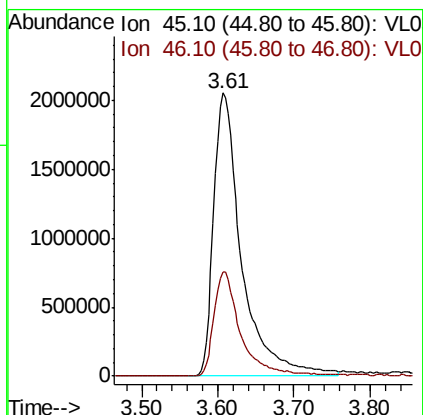
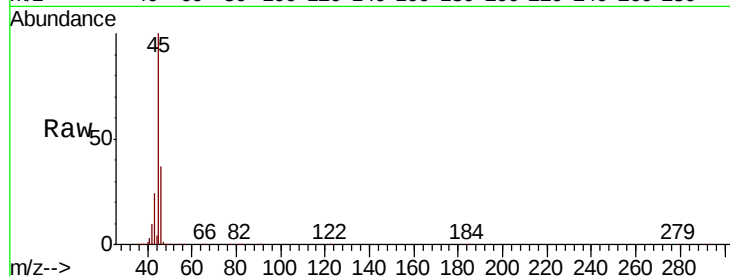




#13
Ethanol
Concen: 353.570 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

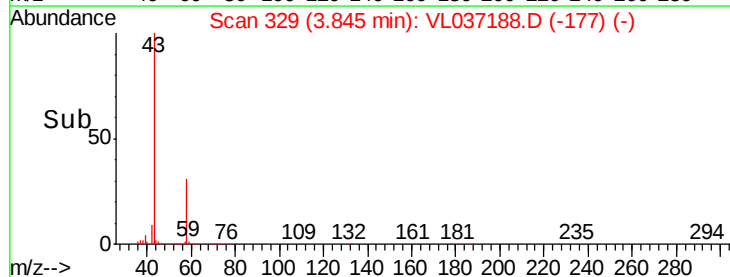
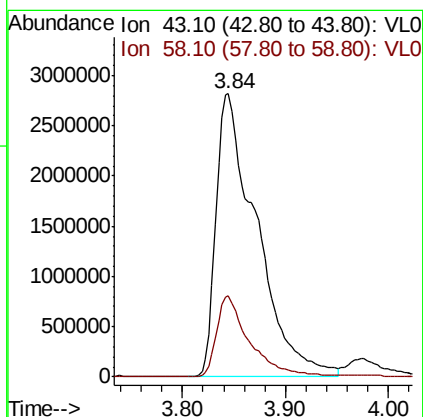
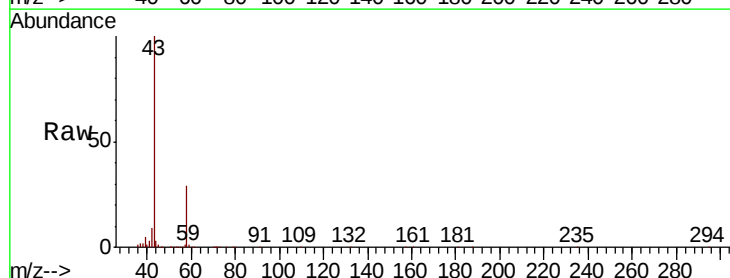
Instrument :
MSVOA_L
ClientSampleId :

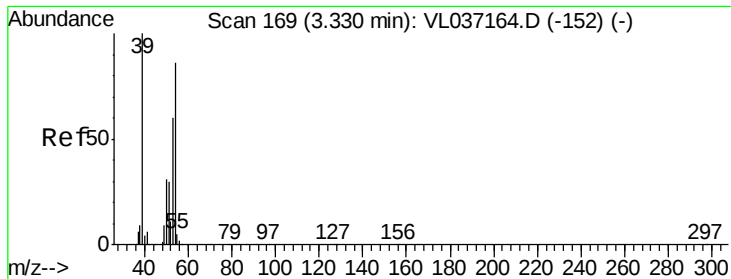
Tot Ion: 45 Resp: 5253612
Ion Ratio Lower Upper
45 100
46 35.7 34.2 137.0



#15
Acetone
Concen: 43.947 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 43 Resp: 7656431
Ion Ratio Lower Upper
43 100
58 23.7 23.7 35.5





#16

1,3-Butadiene

Concen: 0.149 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

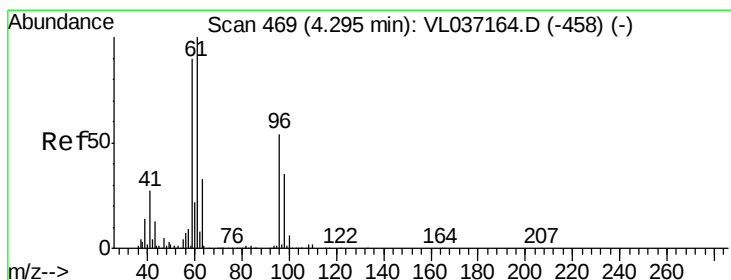
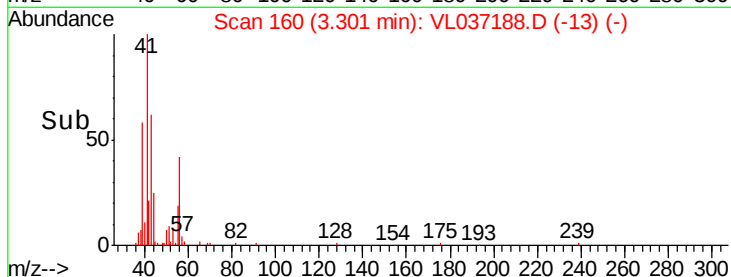
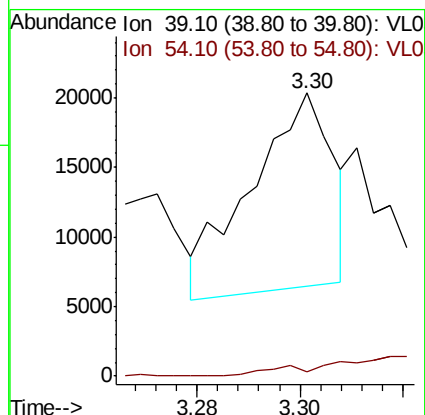
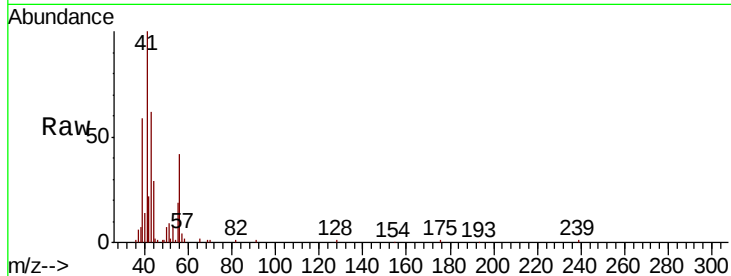
ClientSampled :

Tot Ion: 39 Resp: 15363

Ion Ratio Lower Upper

39 100

54 19.8 61.2 91.8#



#17

tert-Butyl alcohol

Concen: 3.334 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL037188.D

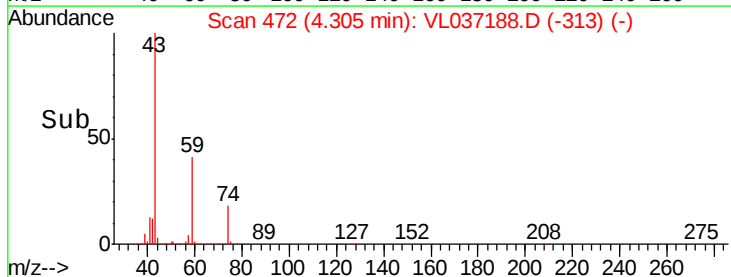
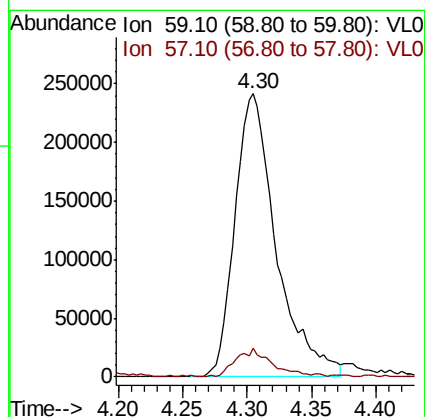
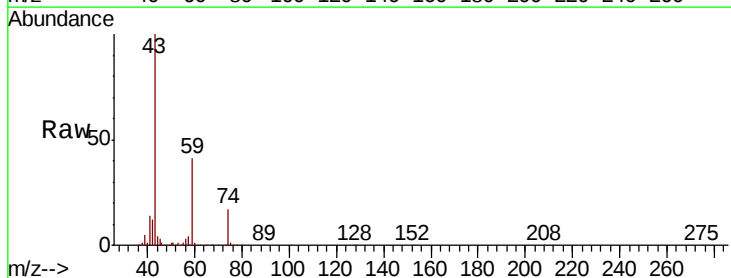
Acq: 17 Jun 2021 2:53

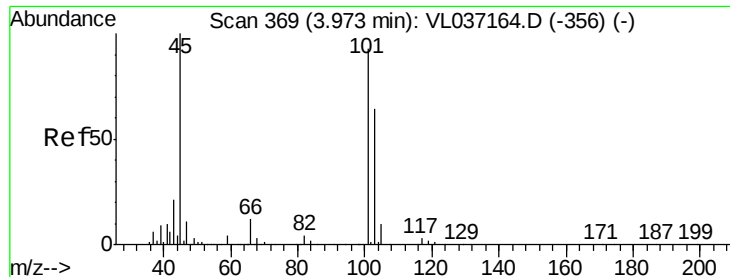
Tgt Ion: 59 Resp: 536911

Ion Ratio Lower Upper

59 100

57 9.2 8.8 13.2





#19

Isopropyl Alcohol

Concen: 10.919 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

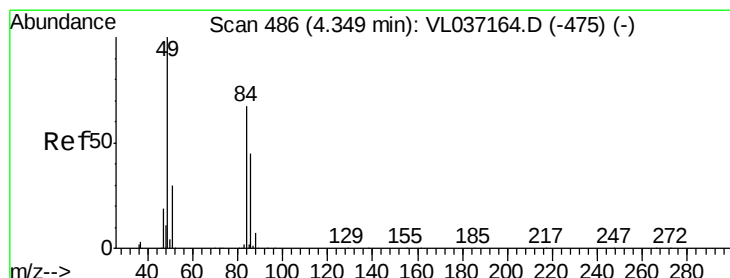
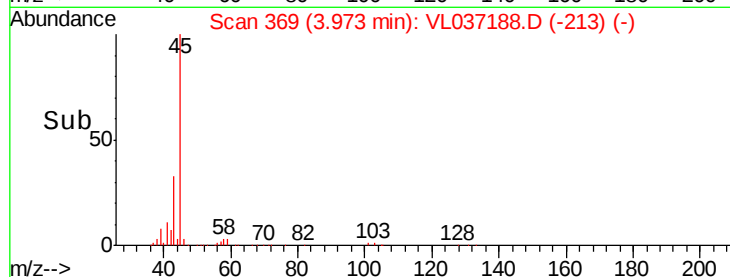
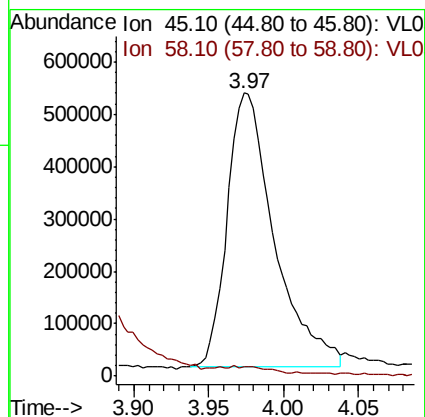
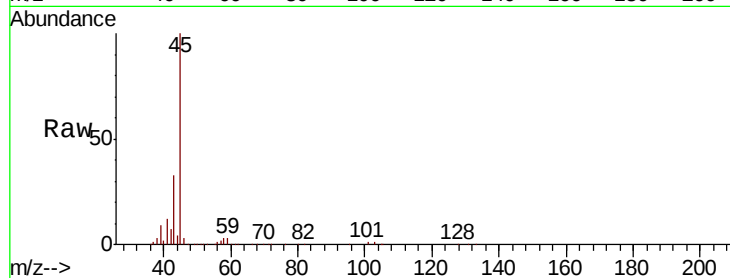
ClientSampled :

Tot Ion: 45 Resp: 1152225

Ion Ratio Lower Upper

45 100

58 157.5 2.4 3.6#



#20

Methylene Chloride

Concen: 1.593 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Tgt Ion: 84 Resp: 166108

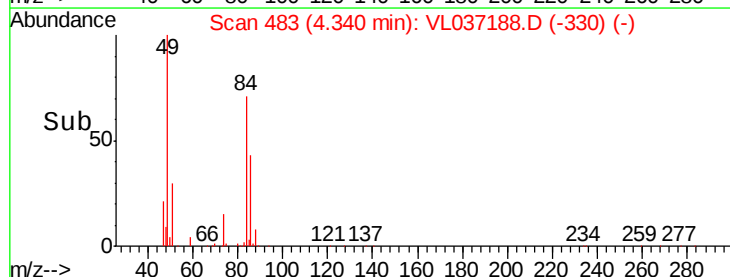
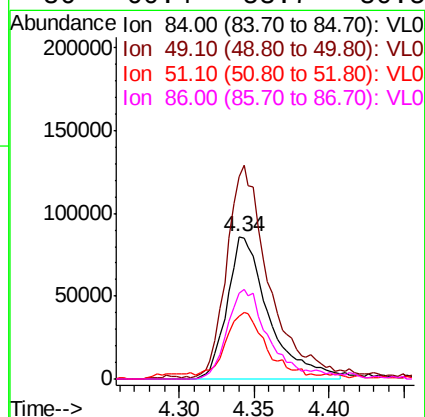
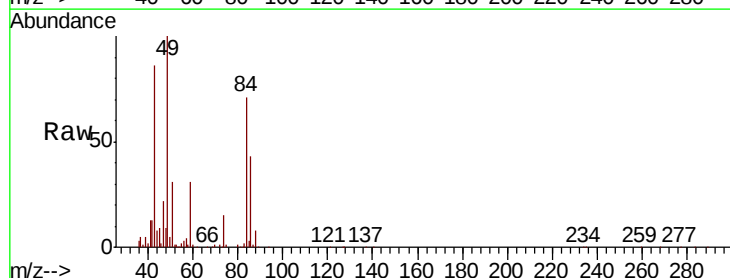
Ion Ratio Lower Upper

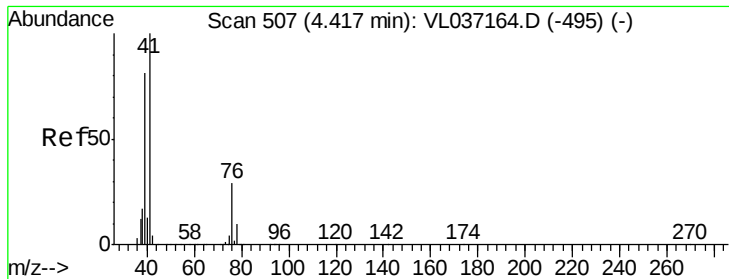
84 100

49 140.1 119.7 179.5

51 41.3 36.1 54.1

86 60.4 53.7 80.5





#21

Allvl Chloride

Concen: 1.129 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.11 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

ClientSampleId :

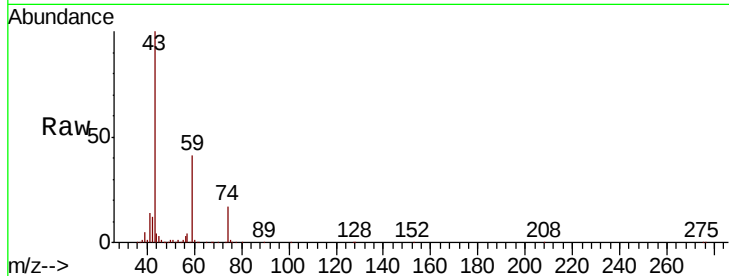
Tot Ion: 41 Resp: 148233

Ion Ratio Lower Upper

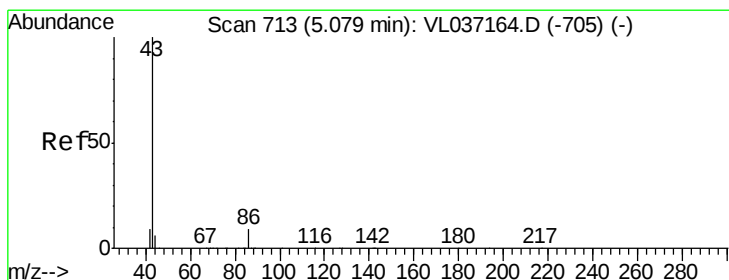
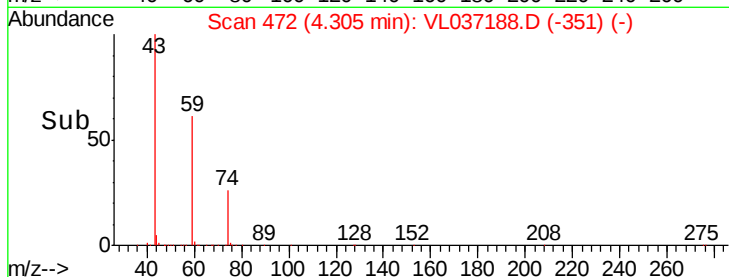
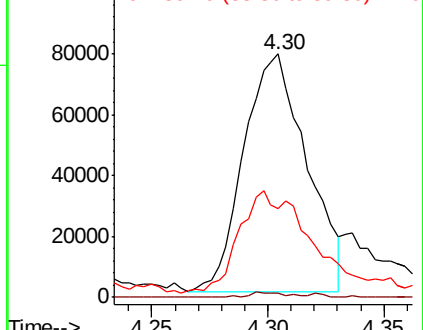
41 100

76 1.8 24.6 37.0#

39 53.5 65.4 98.0#



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: 0.929 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Tgt Ion: 43 Resp: 231953

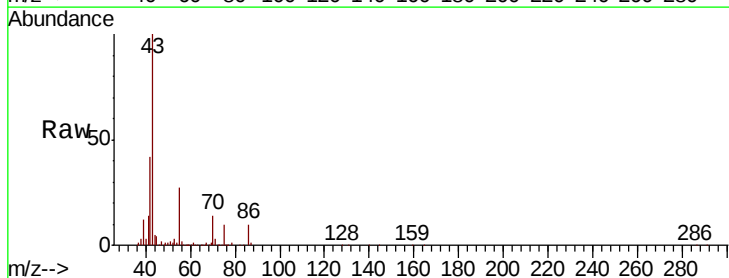
Ion Ratio Lower Upper

43 100

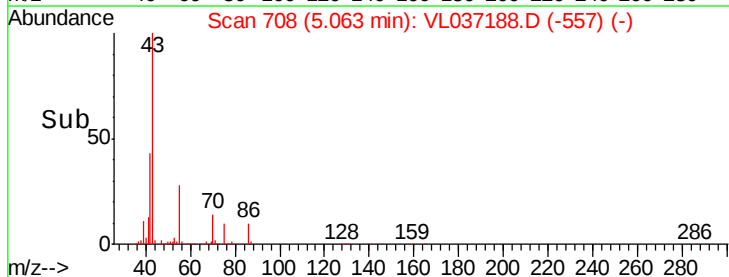
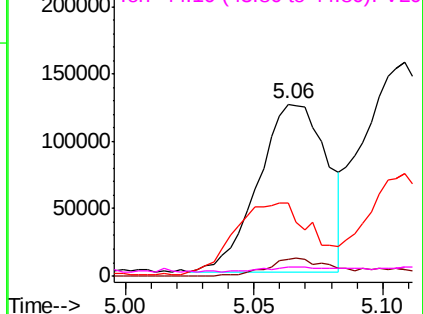
86 10.0 5.8 8.8#

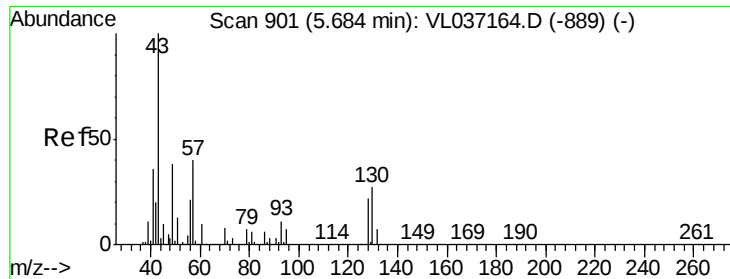
42 40.9 8.2 12.2#

44 2.2 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



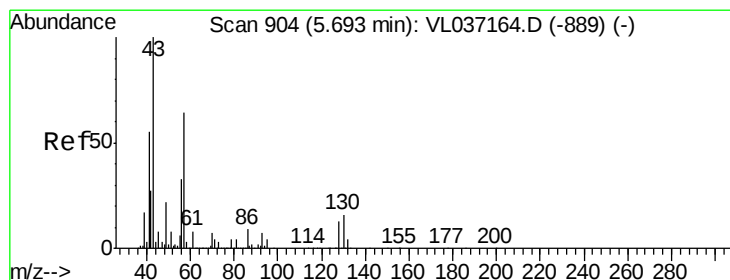
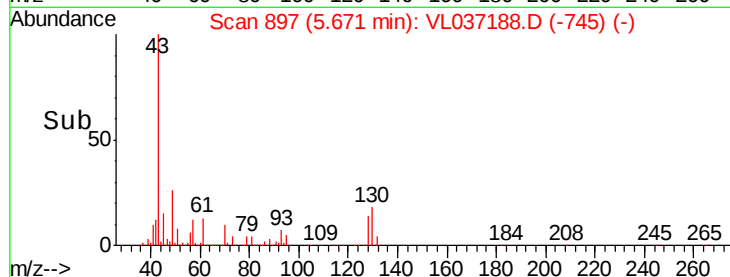
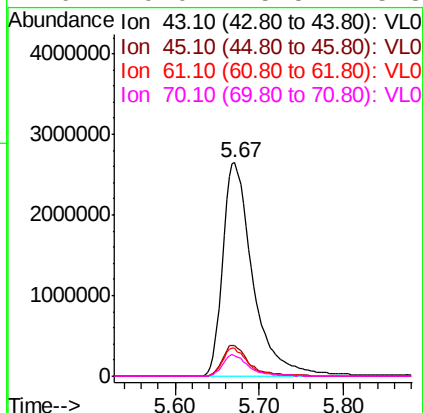
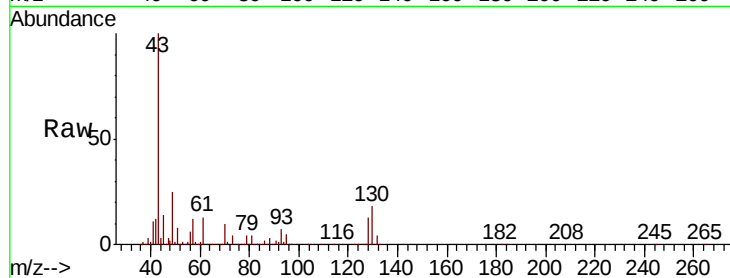


#25
Ethyl Acetate
Concen: 17.395 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 6560630

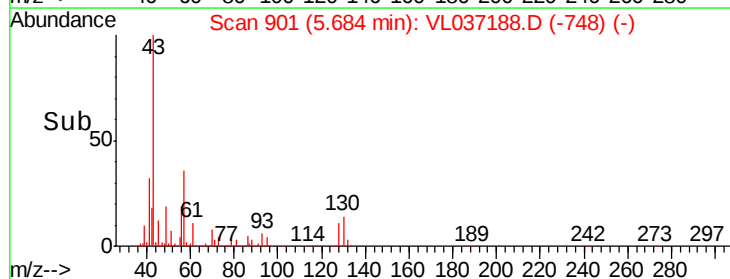
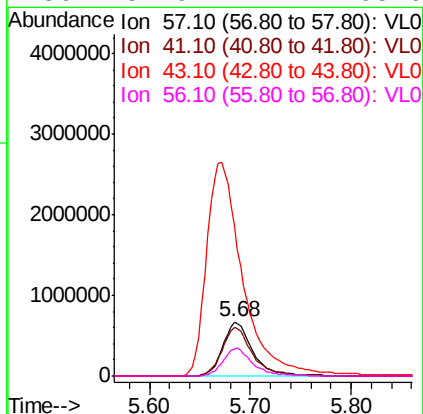
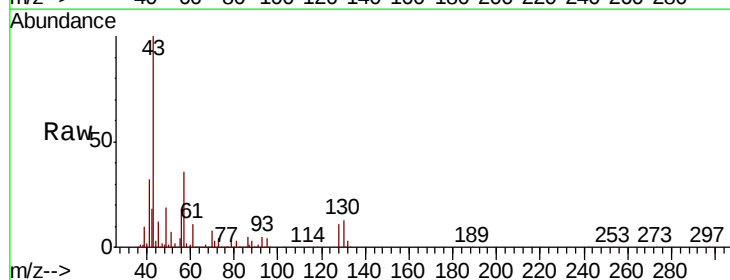
Ion	Ratio	Lower	Upper
43	100		
45	12.9	8.0	12.0#
61	11.8	8.1	12.1
70	9.0	5.5	8.3#

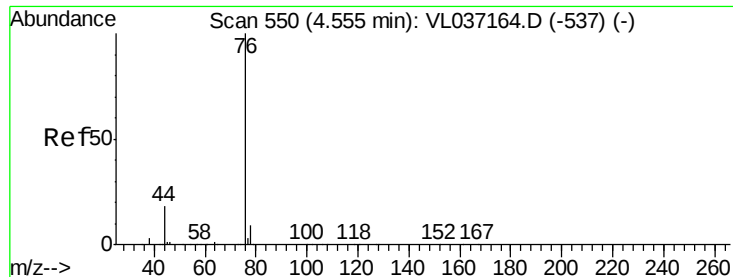


#26
Hexane
Concen: 7.264 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 57 Resp: 1384680

Ion	Ratio	Lower	Upper
57	100		
41	93.7	73.5	110.3
43	479.1	170.7	256.1#
56	51.9	42.4	63.6

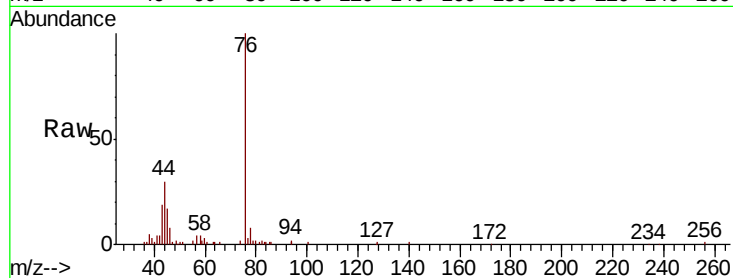




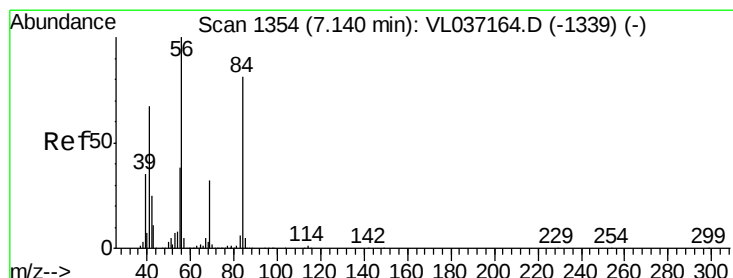
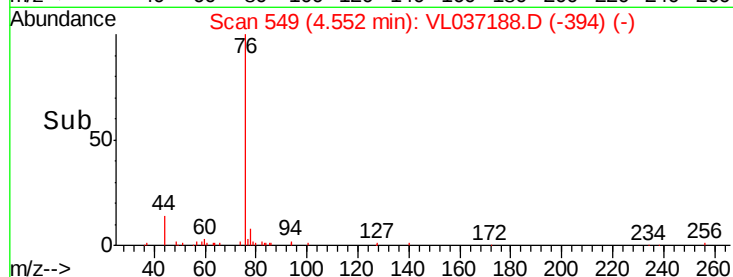
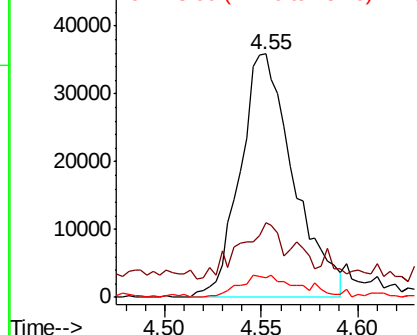
#27
Carbon Disulfide
Concen: 0.369 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 68936
Ion Ratio Lower Upper
76 100
44 19.9 15.4 23.2
78 11.6 8.0 12.0

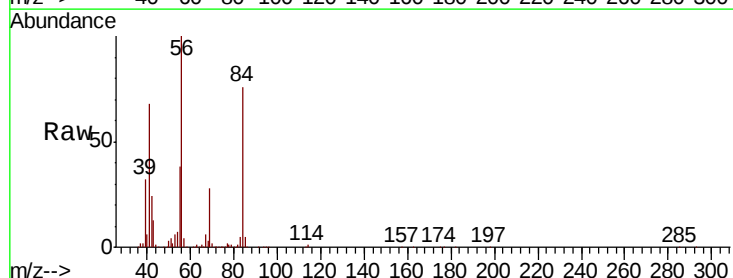


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

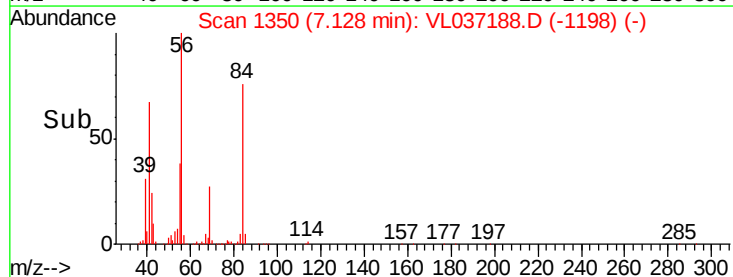
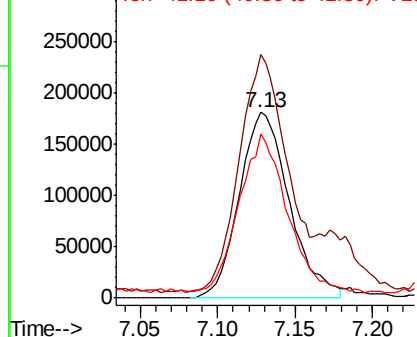


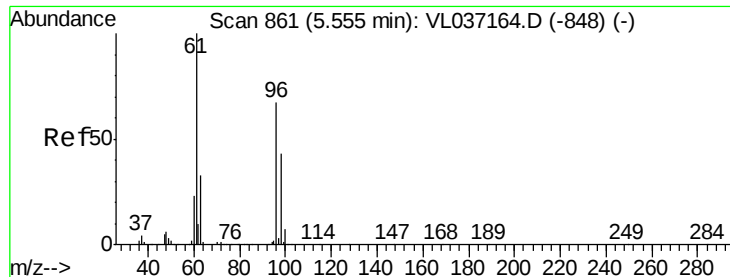
#30
Cyclohexane
Concen: 2.551 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 84 Resp: 405151
Ion Ratio Lower Upper
84 100
56 150.3 107.7 161.5
41 92.9 69.0 103.6



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



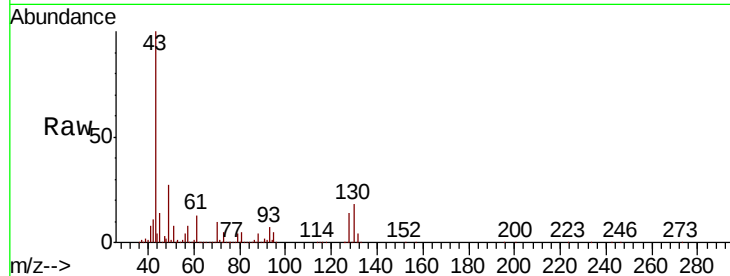


#31

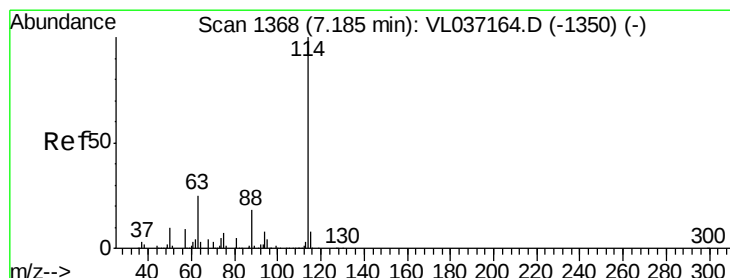
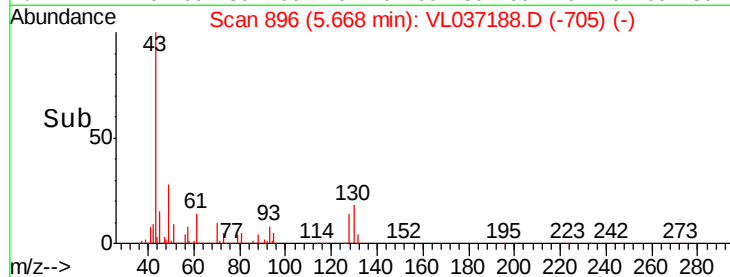
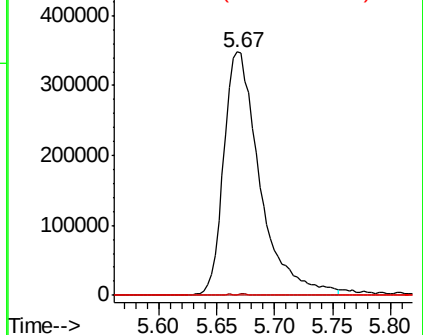
cis-1,2-Dichloroethene
 Concen: 4.301 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.11 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	0.4	53.6	80.4#
98	0.0	34.7	52.1#



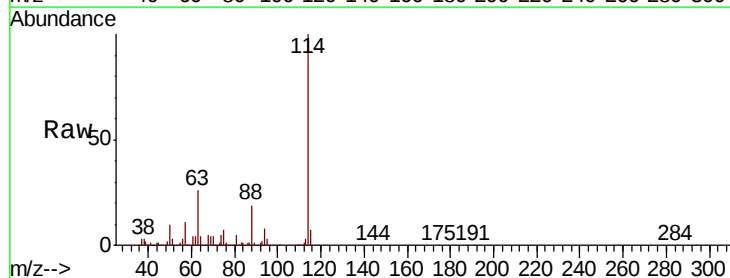
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



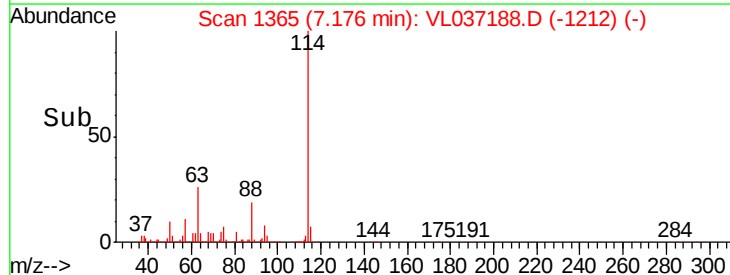
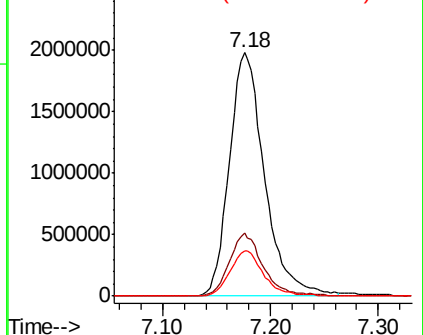
#33

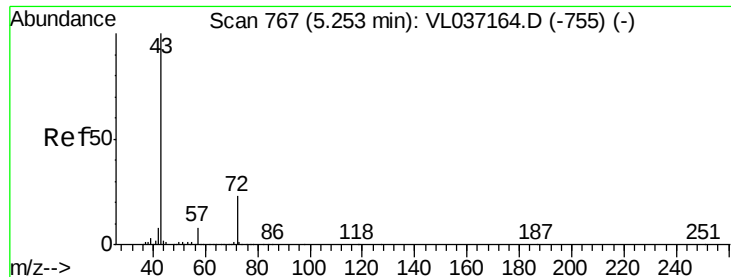
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.6	29.4
88	18.1	14.2	21.2



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

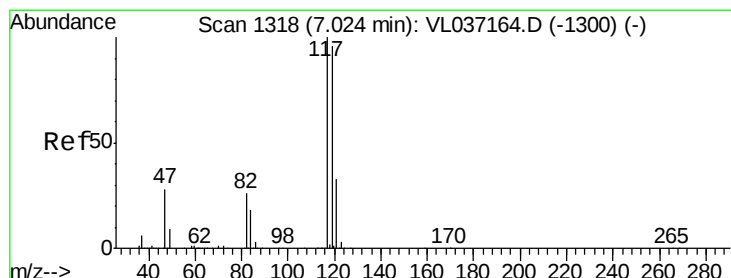
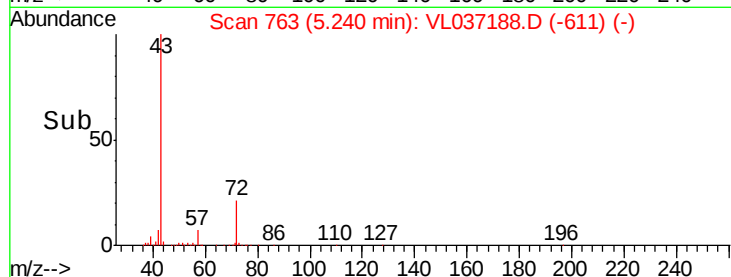
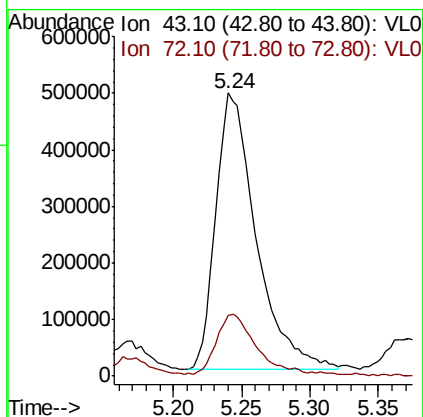
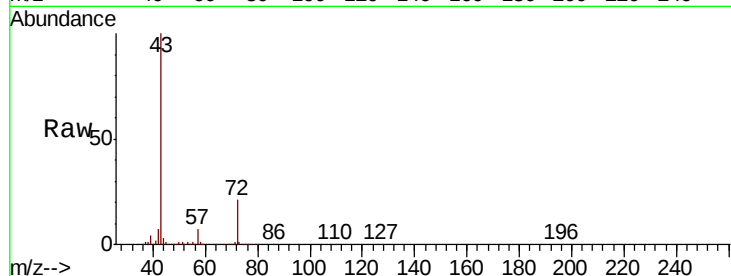




#34
2-Butanone
Concen: 5.787 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

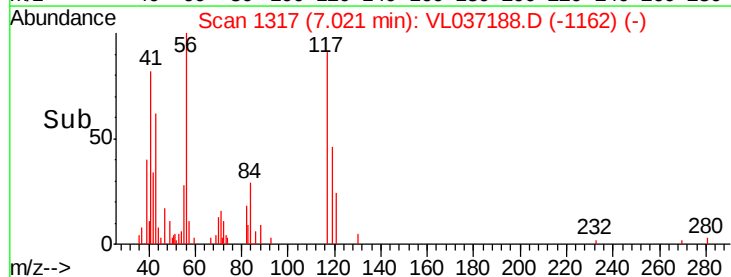
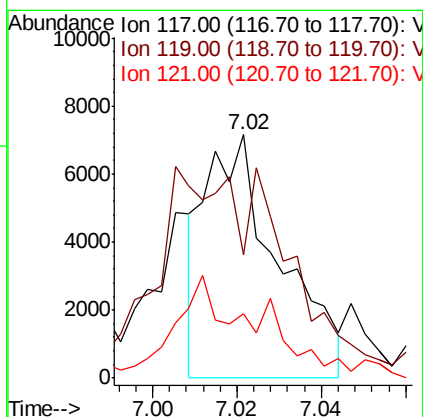
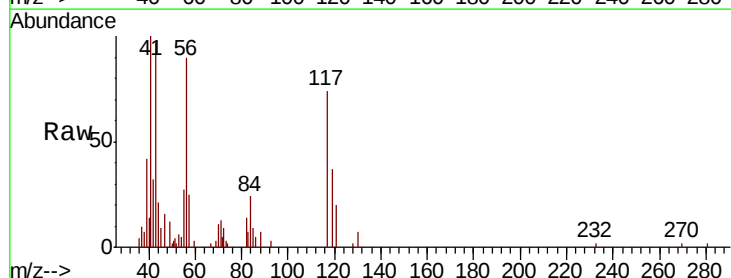
Instrument :
MSVOA_L
ClientSampled :

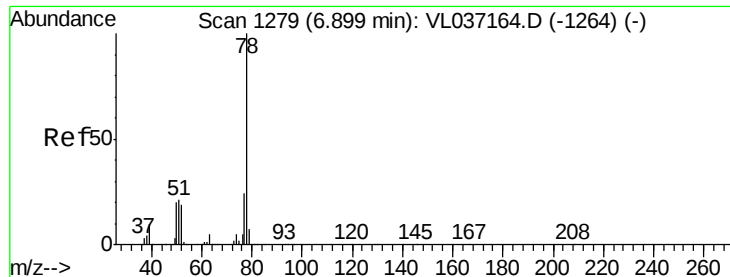
Tot Ion: 43 Resp: 1013326
Ion Ratio Lower Upper
43 100
72 24.4 18.9 28.3



#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 117 Resp: 8589
Ion Ratio Lower Upper
117 100
119 40.2 76.6 114.8#
121 22.8 26.4 39.6#





#36

Benzene

Concen: 0.106 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

ClientSampleId :

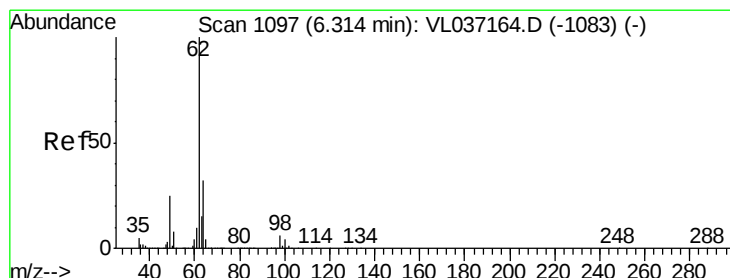
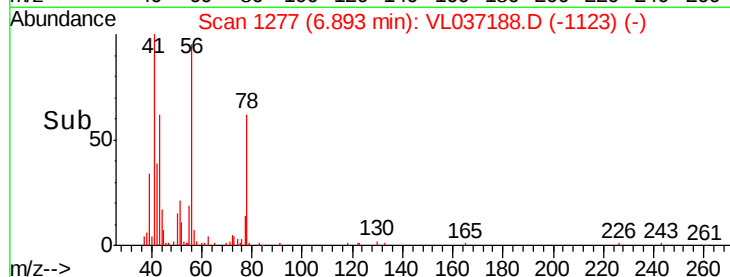
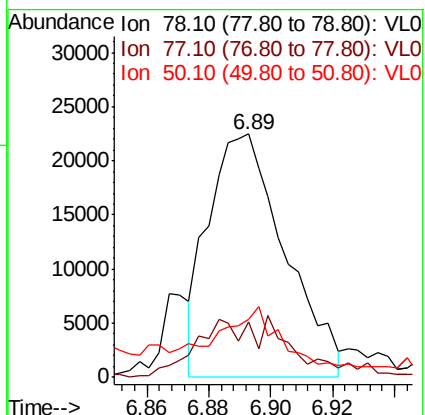
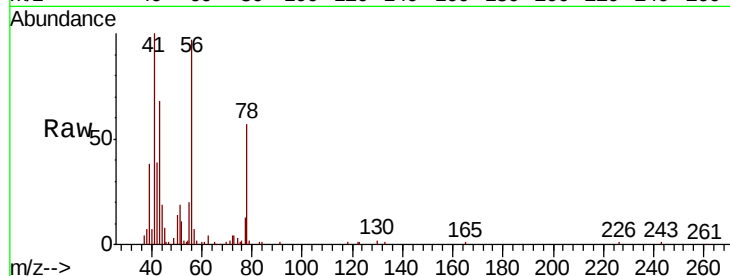
Tot Ion: 78 Resp: 38657

Ion Ratio Lower Upper

78 100

77 20.9 19.0 28.6

50 21.1 15.7 23.5



#37

1,2-Dichloroethane

Concen: 0.065 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VL037188.D

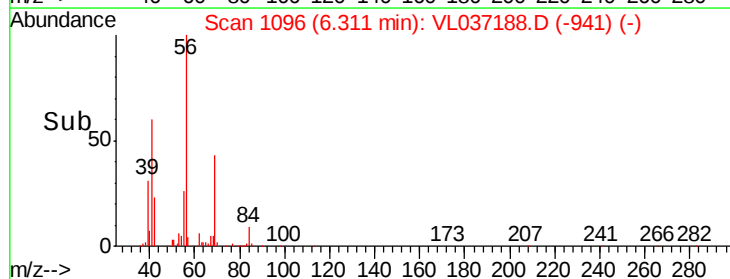
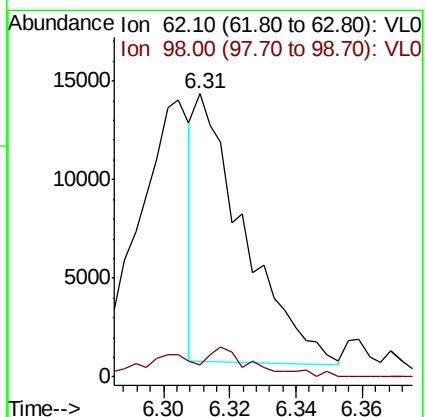
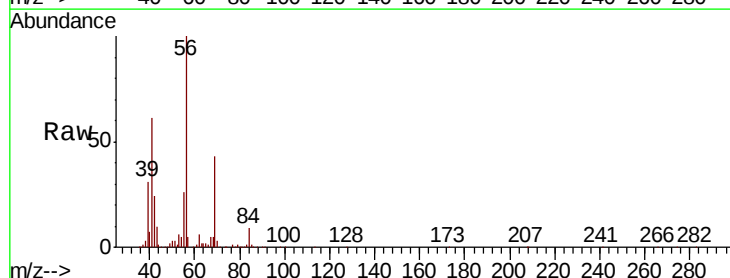
Acq: 17 Jun 2021 2:53

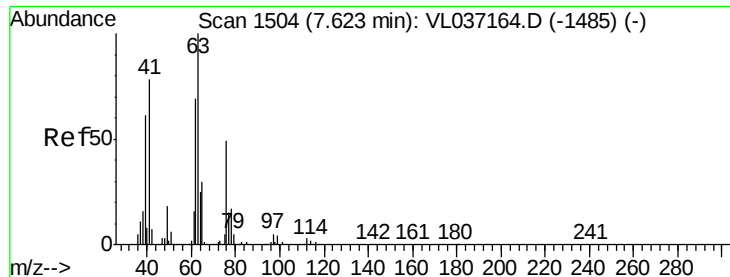
Tgt Ion: 62 Resp: 13802

Ion Ratio Lower Upper

62 100

98 18.9 5.0 7.6#

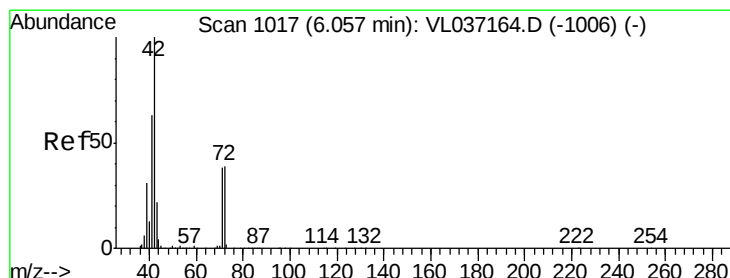
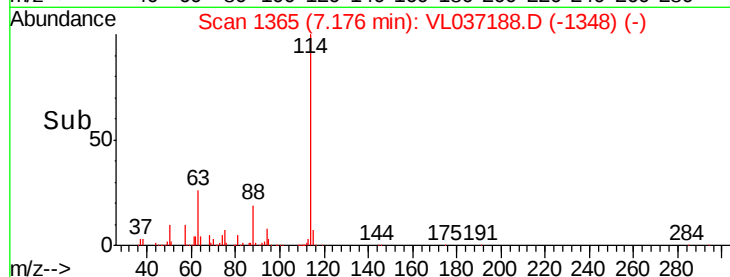
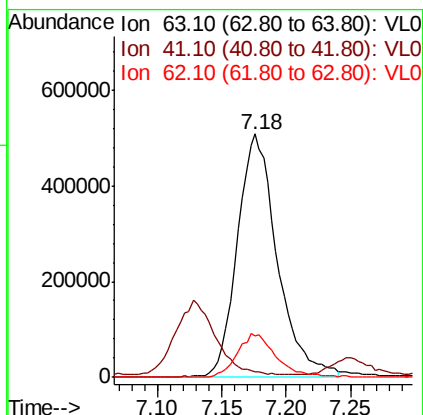
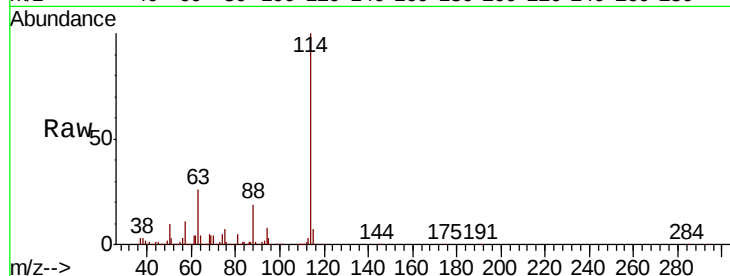




#39
 1,2-Dichloropropane
 Concen: 7.995 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

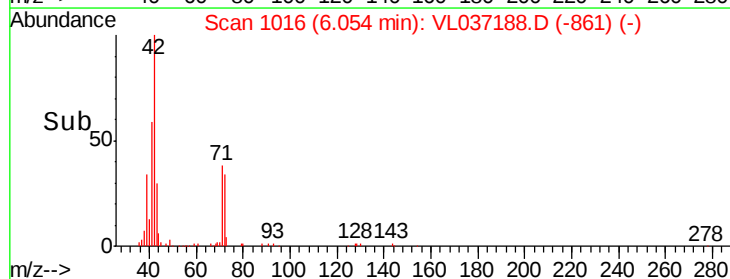
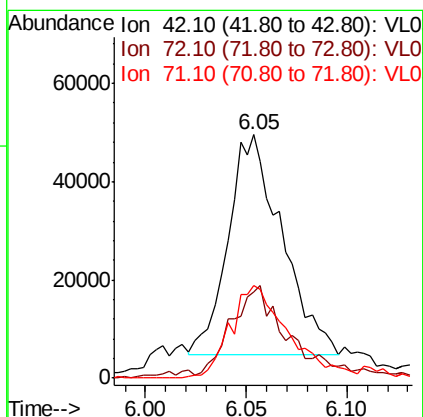
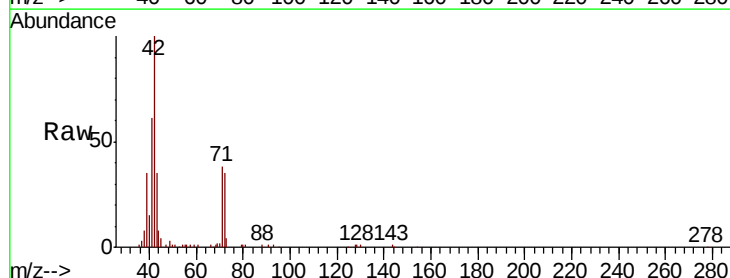
Instrument :
 MSVOA_L
 ClientSampleId :

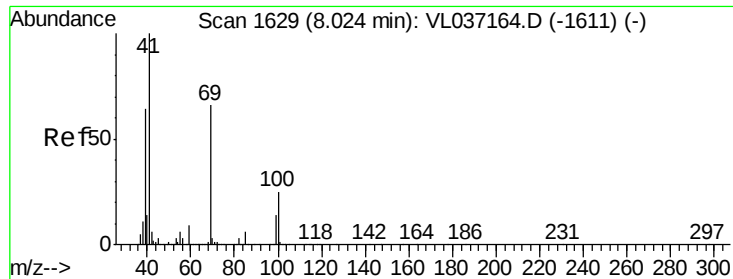
Tot Ion: 63 Resp: 1081724
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 16.9 54.9 82.3#



#41
 Tetrahydrofuran
 Concen: 1.026 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion: 42 Resp: 83428
 Ion Ratio Lower Upper
 42 100
 72 49.8 33.0 49.4#
 71 49.1 31.0 46.6#

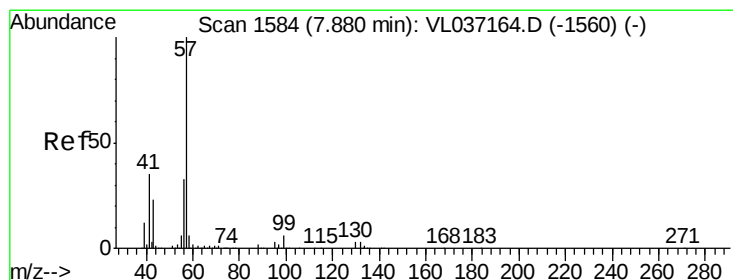
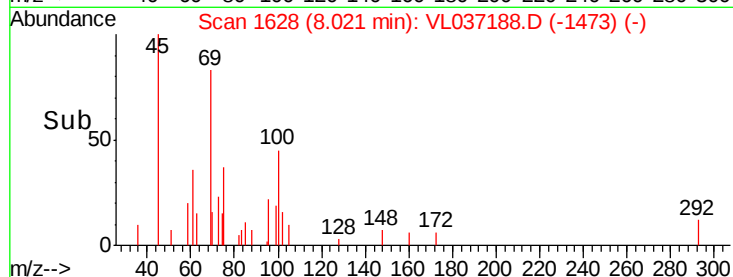
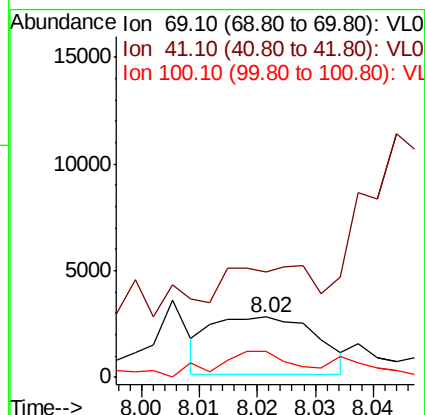
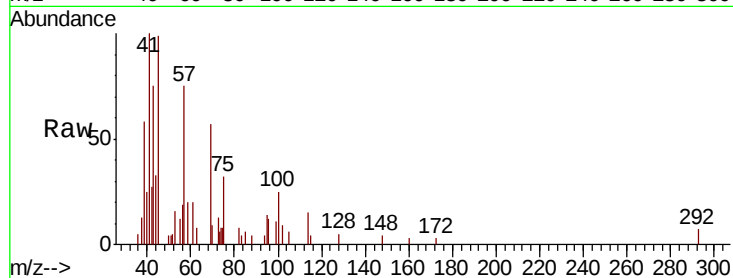




#43
Methyl Methacrylate
Concen: 0.027 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

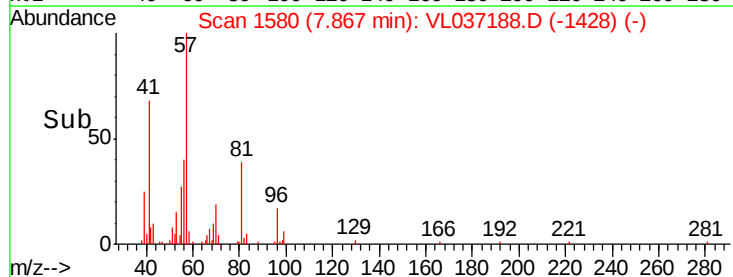
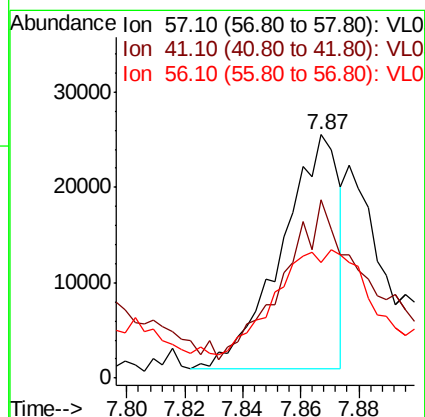
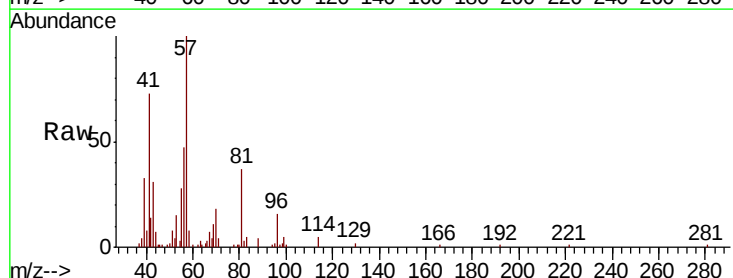
Instrument :
MSVOA_L
ClientSampleId :

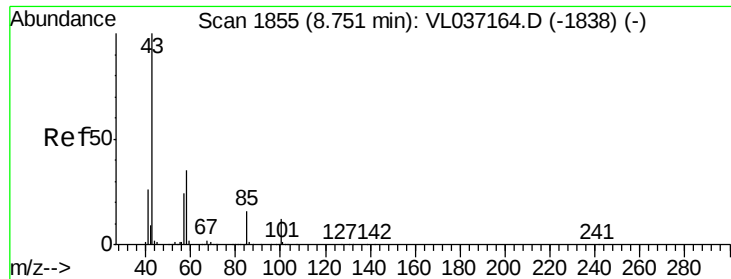
Tot Ion: 69 Resp: 3423
Ion Ratio Lower Upper
69 100
41 0.0 119.4 179.0#
100 56.6 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.055 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 57 Resp: 33659
Ion Ratio Lower Upper
57 100
41 125.2 27.6 41.4#
56 117.3 25.3 37.9#

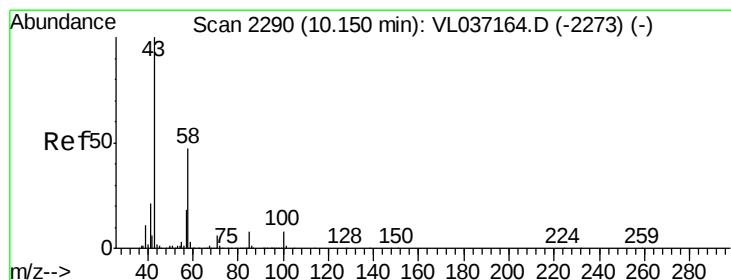
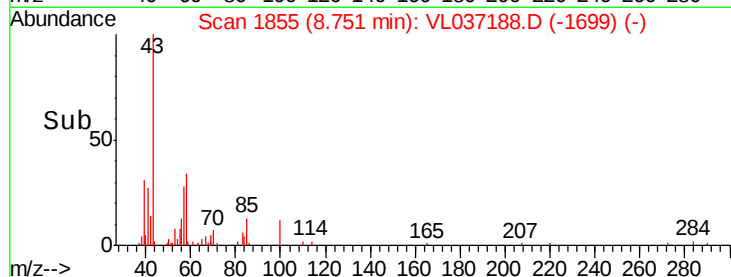
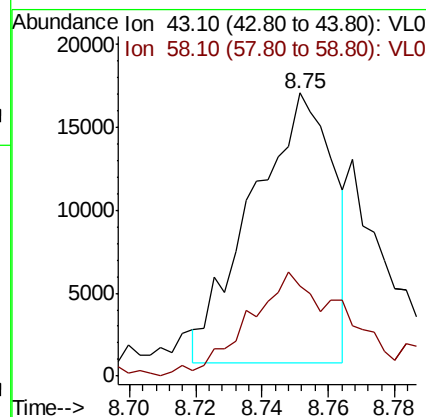
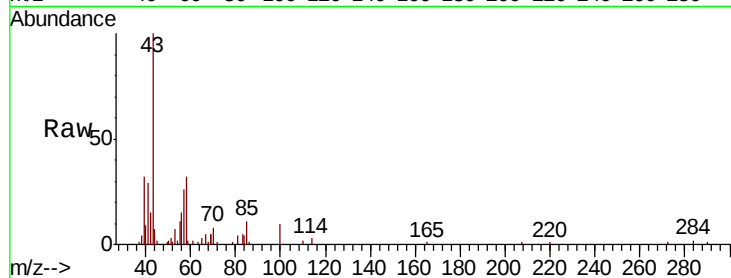




#50
4-Methyl-2-Pentanone
Concen: 0.115 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

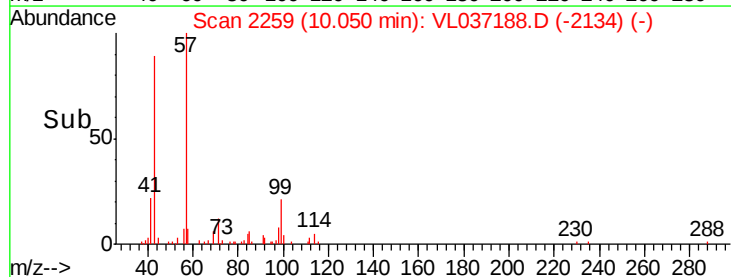
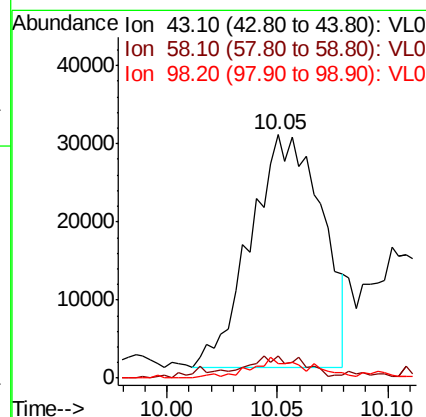
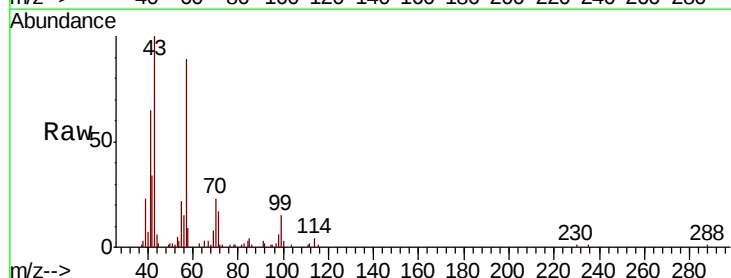
Instrument :
MSVOA_L
ClientSampleId :

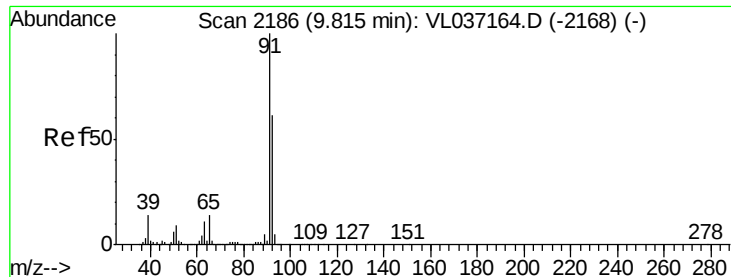
Tot Ion: 43 Resp: 27729
Ion Ratio Lower Upper
43 100
58 54.5 28.4 42.6#



#51
2-Hexanone
Concen: 0.573 ppbv
RT: 10.05 min Scan# 2259
Delta R.T. -0.10 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 43 Resp: 67041
Ion Ratio Lower Upper
43 100
58 9.2 38.4 57.6#
98 8.5 0.3 0.5#





#53

Toluene

Concen: 2.677 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

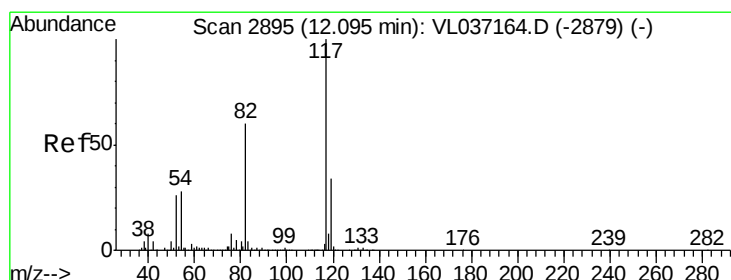
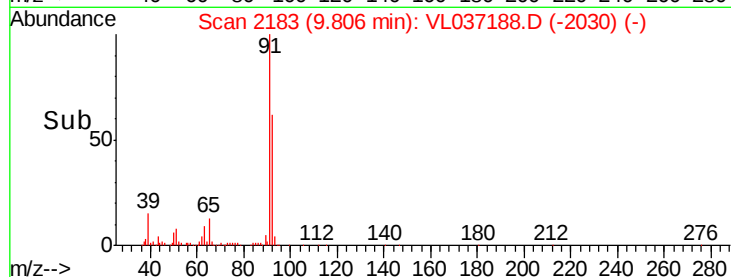
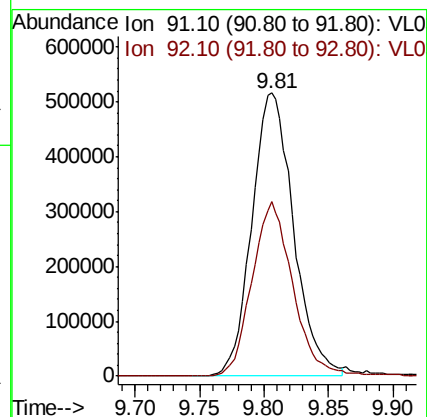
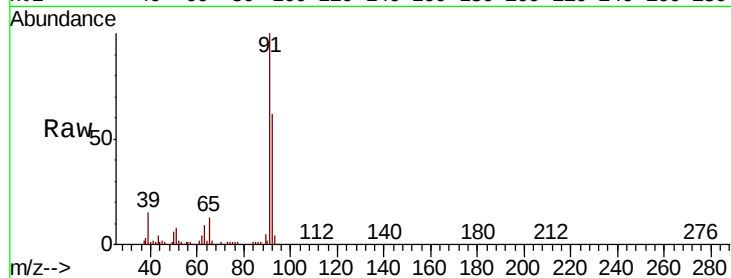
ClientSampled :

Tot Ion: 91 Resp: 1164216

Ion Ratio Lower Upper

91 100

92 60.8 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

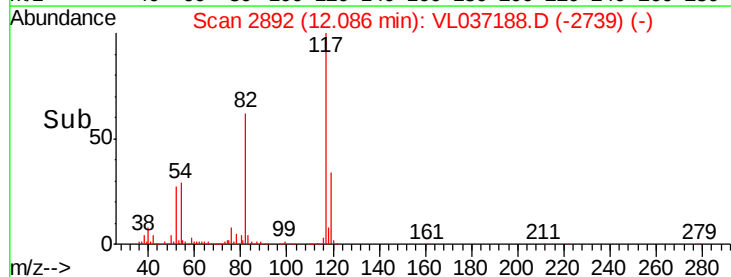
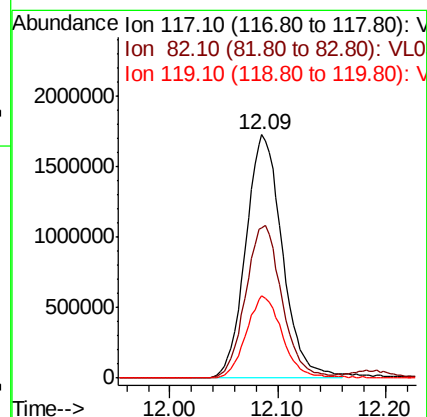
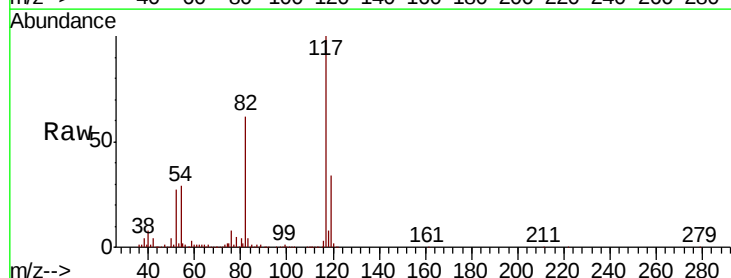
Tgt Ion: 117 Resp: 4074638

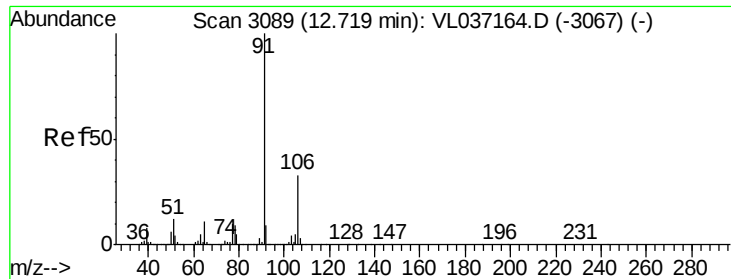
Ion Ratio Lower Upper

117 100

82 62.3 51.7 77.5

119 33.9 47.6 71.4#





#58

Ethyl Benzene

Concen: 0.957 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

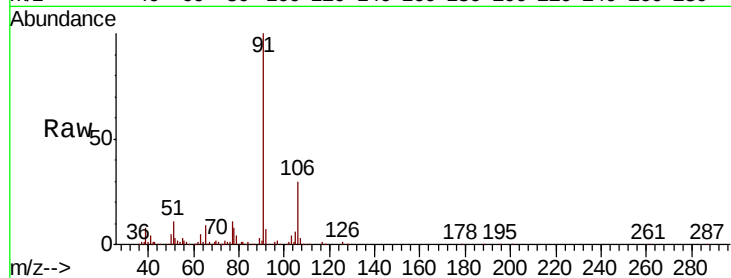
ClientSampled :

Tot Ion: 91 Resp: 536794

Ion Ratio Lower Upper

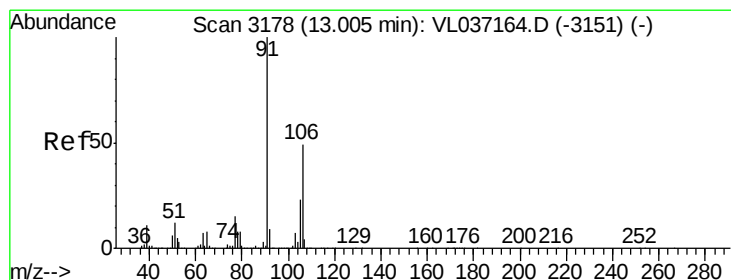
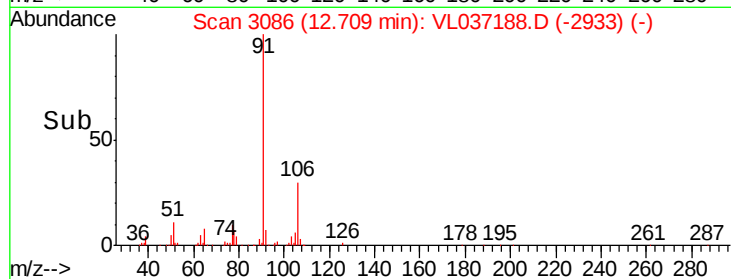
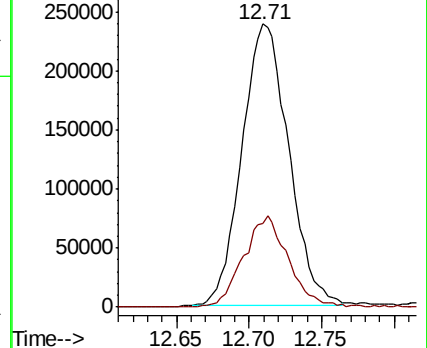
91 100

106 29.8 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 3.356 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.04 min

Lab File: VL037188.D

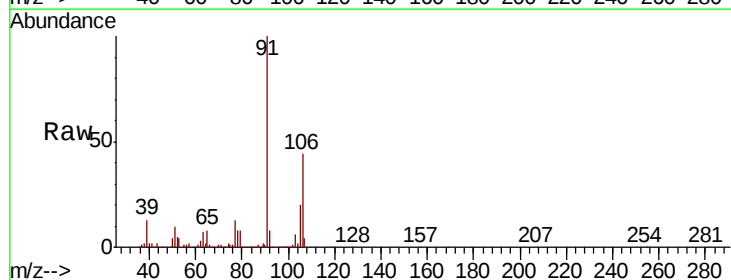
Acq: 17 Jun 2021 2:53

Tgt Ion: 91 Resp: 1595054

Ion Ratio Lower Upper

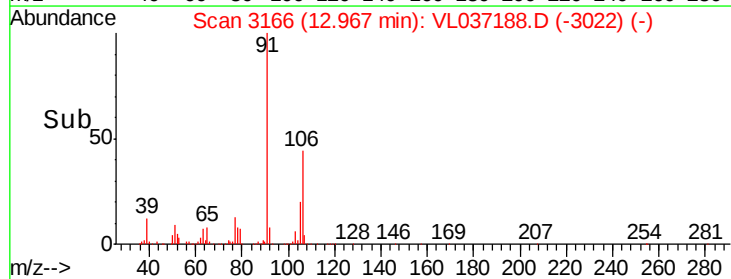
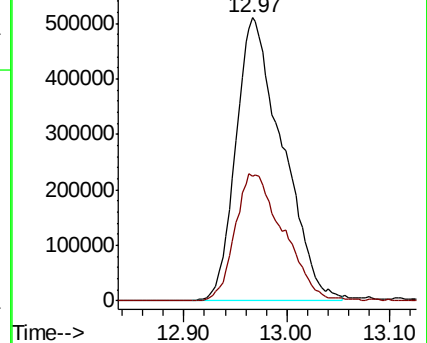
91 100

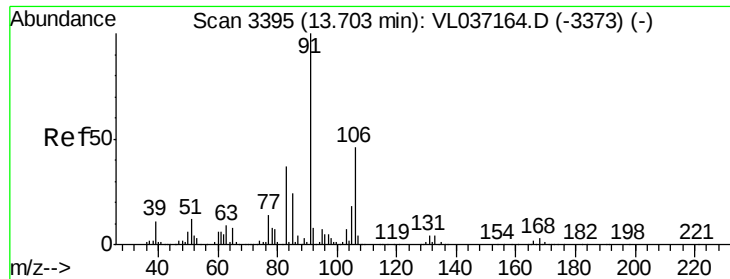
106 47.2 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

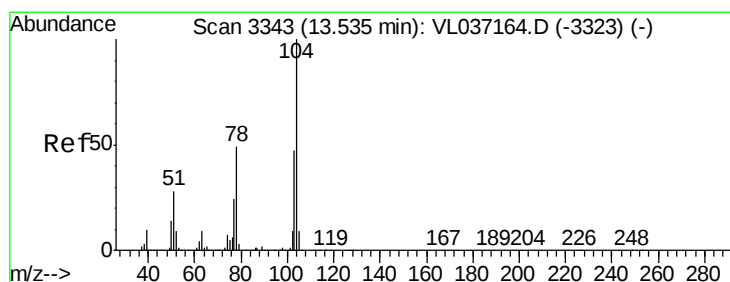
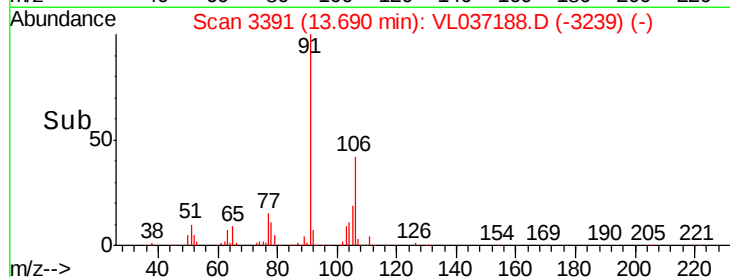
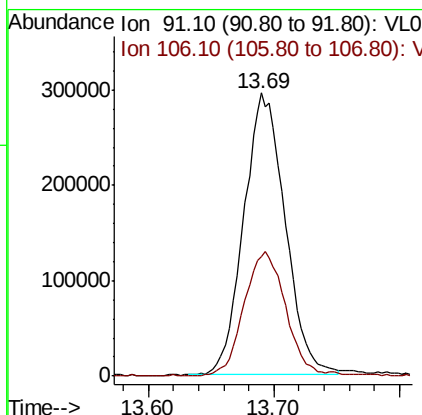
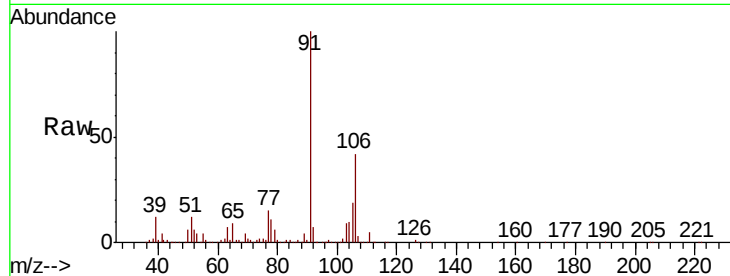




#60
o-Xylene
Concen: 1.498 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

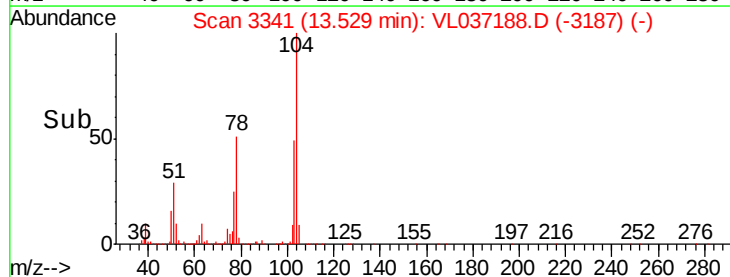
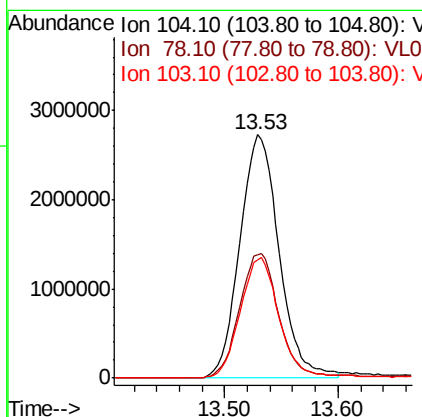
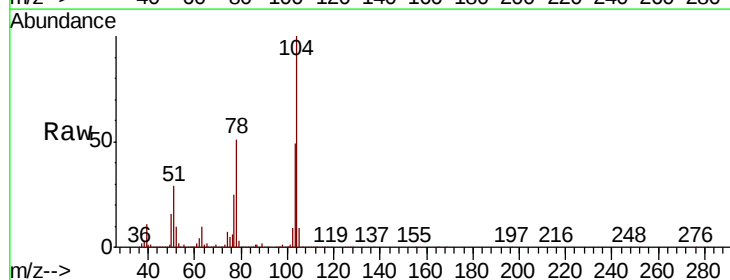
Instrument :
MSVOA_L
ClientSampled :

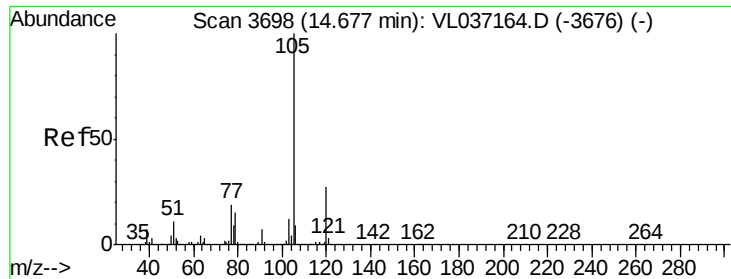
Tot Ion: 91 Resp: 678011
Ion Ratio Lower Upper
91 100
106 45.3 23.0 69.0



#61
Styrene
Concen: 28.224 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion: 104 Resp: 6593228
Ion Ratio Lower Upper
104 100
78 52.2 39.7 59.5
103 49.6 37.6 56.4





#62

Isopropylbenzene

Concen: 0.244 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

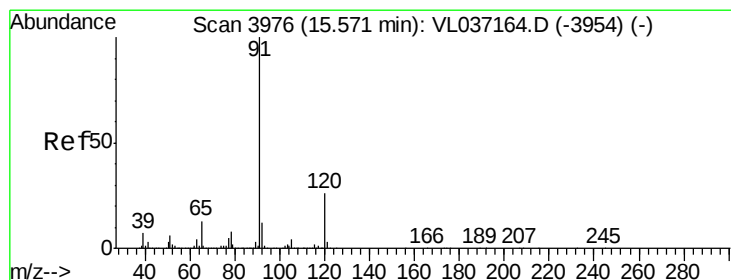
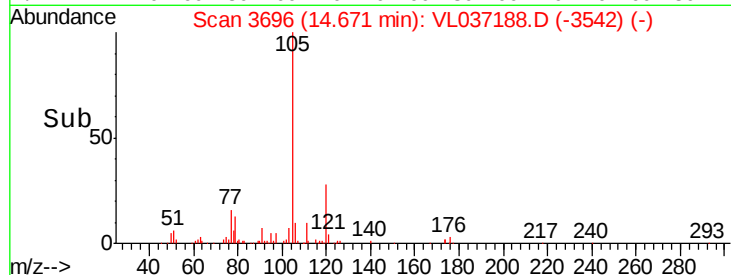
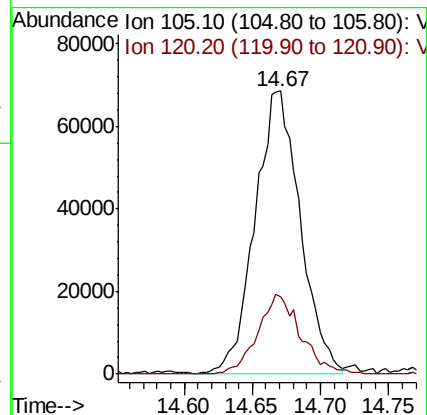
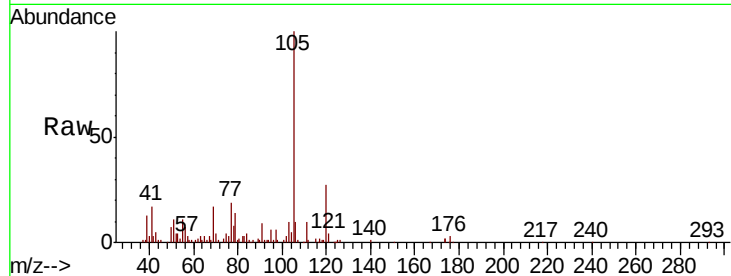
ClientSampleId :

Tot Ion:105 Resp: 156750

Ion Ratio Lower Upper

105 100

120 27.1 21.6 32.4



#64

n-propylbenzene

Concen: 0.458 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VL037188.D

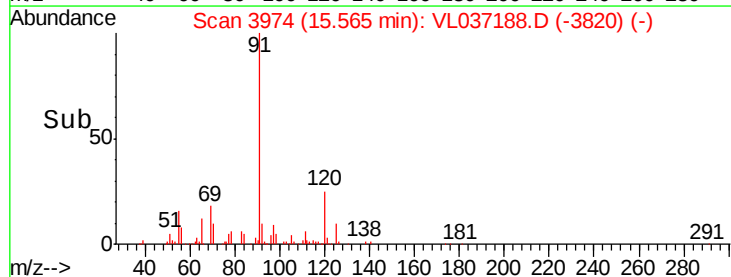
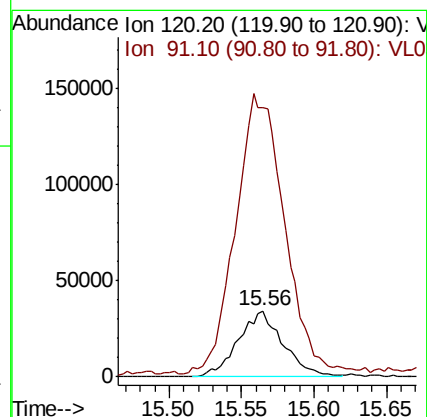
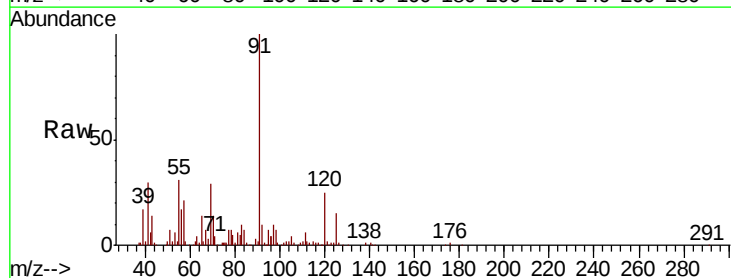
Acq: 17 Jun 2021 2:53

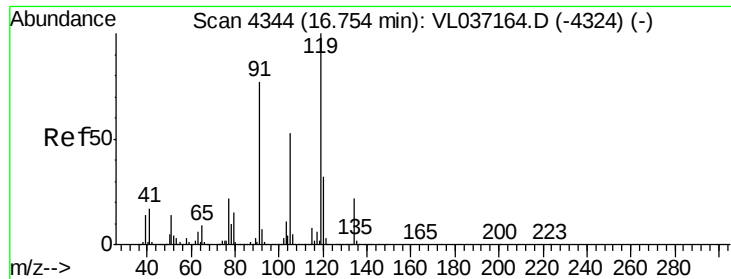
Tgt Ion:120 Resp: 73745

Ion Ratio Lower Upper

120 100

91 482.5 343.3 514.9





#65

tert-Butylbenzene

Concen: 0.236 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

Instrument :

MSVOA_L

ClientSampleId :

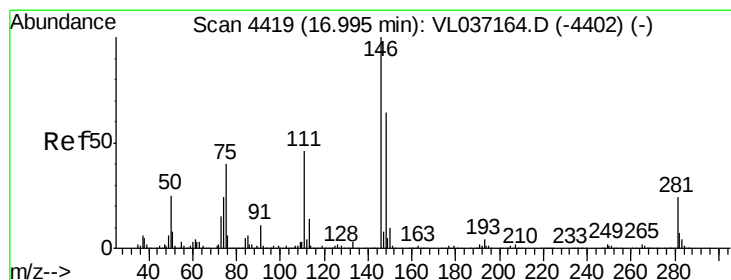
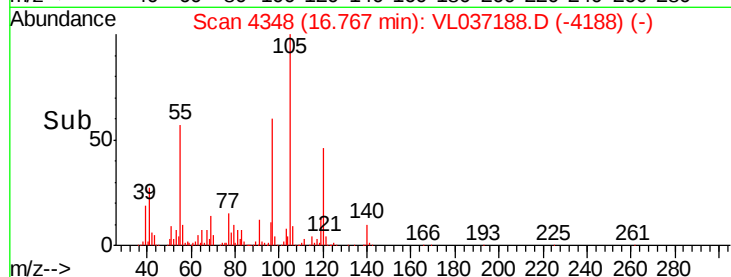
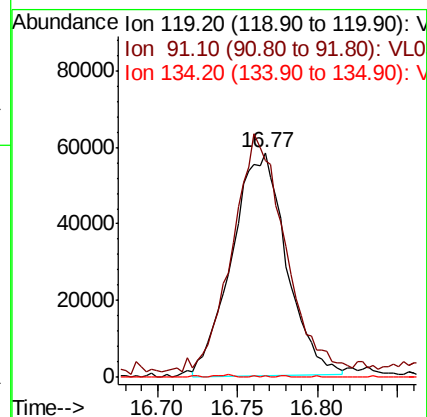
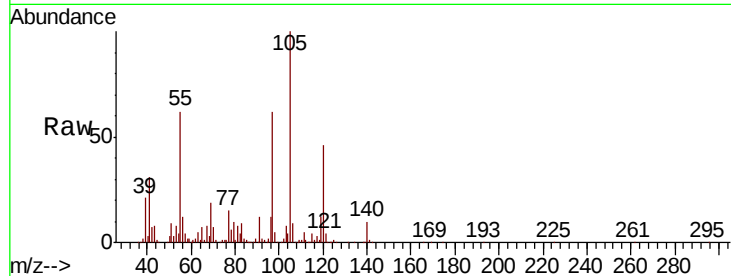
Tot Ion: 119 Resp: 134887

Ion Ratio Lower Upper

119 100

91 110.1 62.6 93.8#

134 0.5 16.2 24.4#



#66

Benzyl Chloride

Concen: 0.059 ppbv

RT: 16.85 min Scan# 4375

Delta R.T. -0.14 min

Lab File: VL037188.D

Acq: 17 Jun 2021 2:53

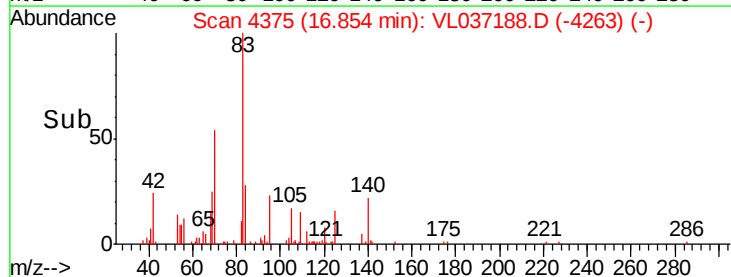
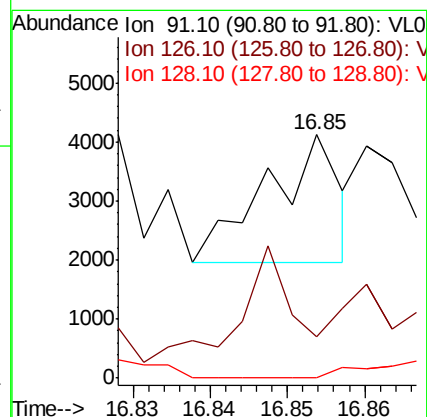
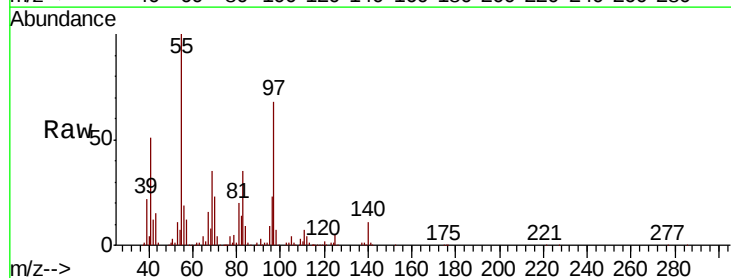
Tgt Ion: 91 Resp: 1419

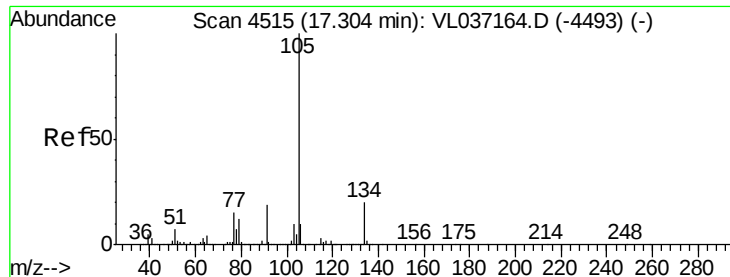
Ion Ratio Lower Upper

91 100

126 373.1 15.5 23.3#

128 16.3 5.7 8.5#

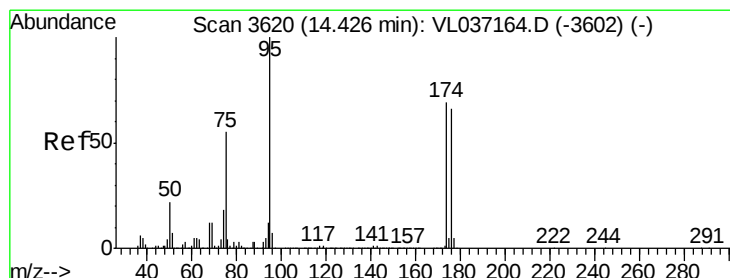
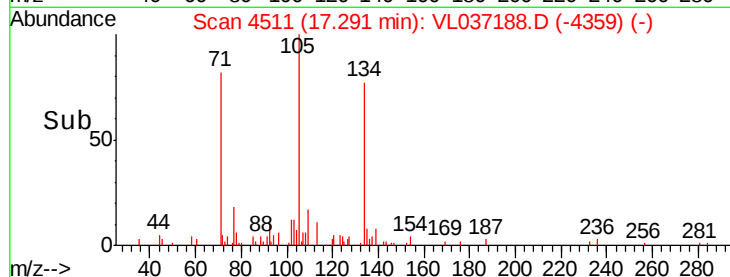
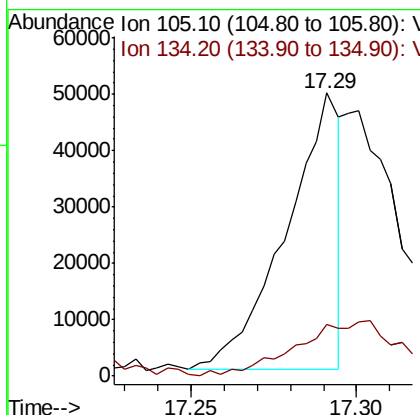
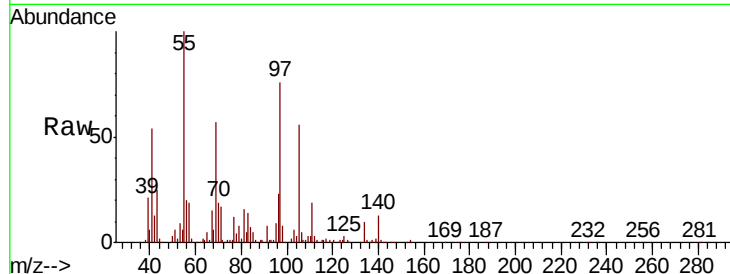




#67
 sec-Butylbenzene
 Concen: 0.072 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

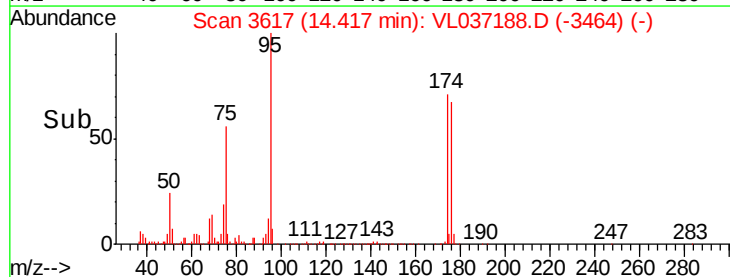
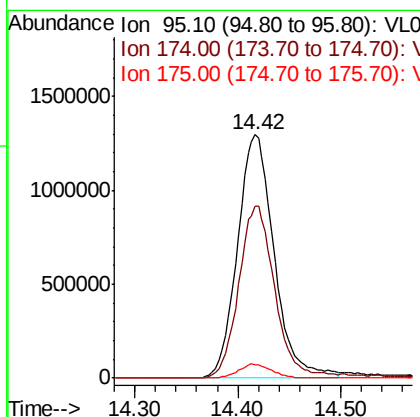
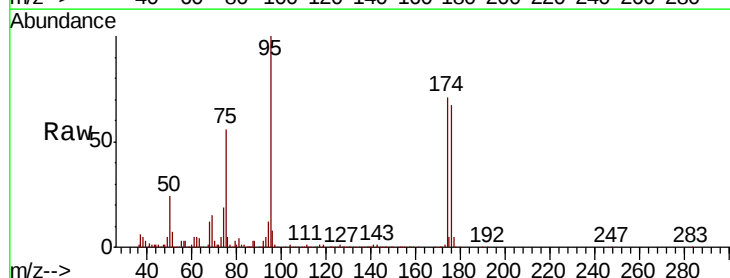
Instrument :
 MSVOA_L
 ClientSampled :

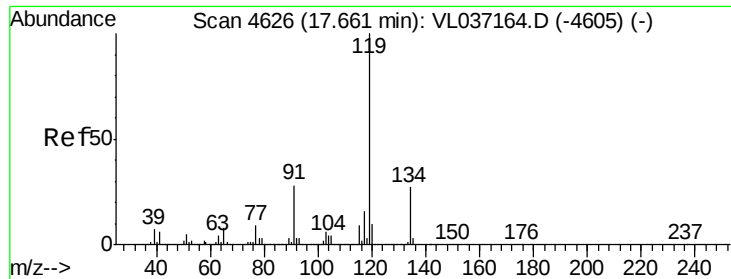
Tot Ion:105 Resp: 55130
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.353 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion: 95 Resp: 3196446
 Ion Ratio Lower Upper
 95 100
 174 72.0 57.0 85.4
 175 5.6 4.4 6.6

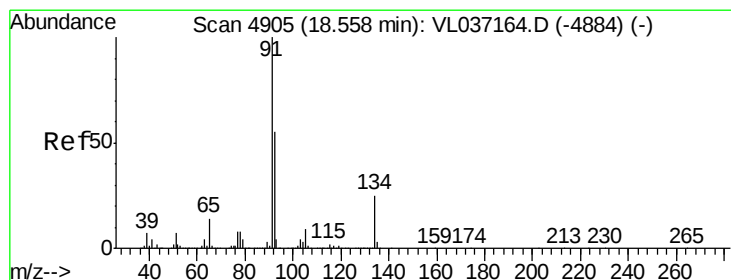
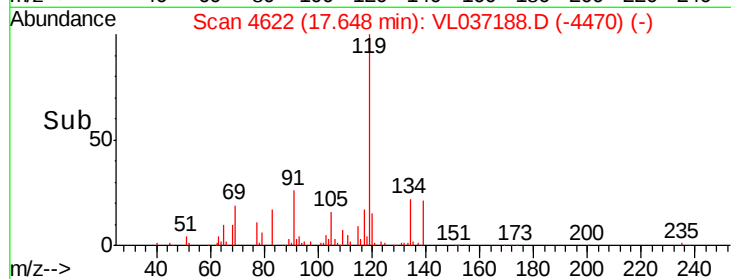
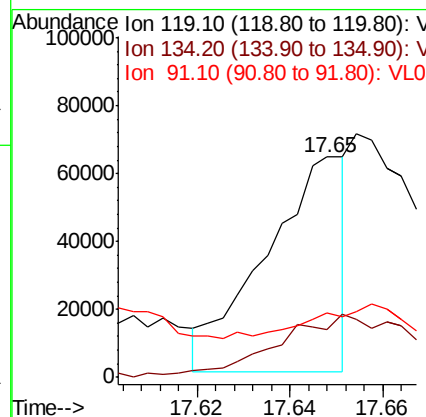
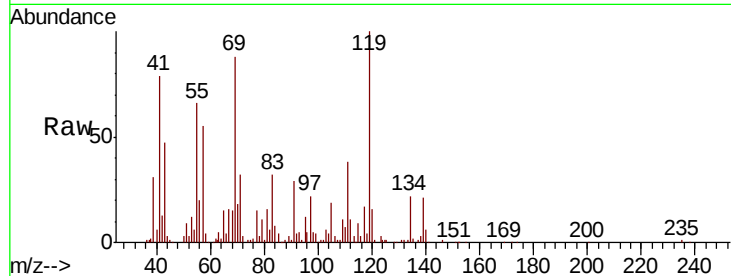




#69
 p-Isopropyltoluene
 Concen: 0.118 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

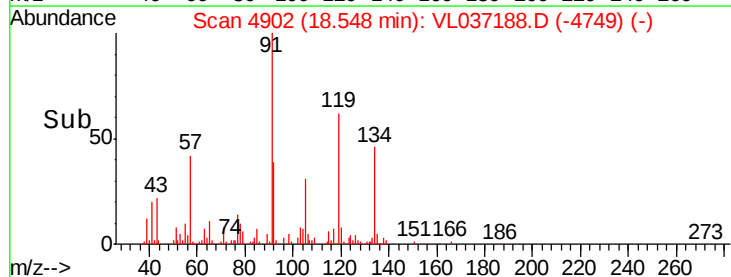
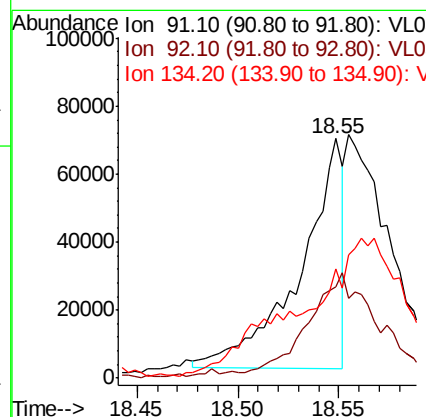
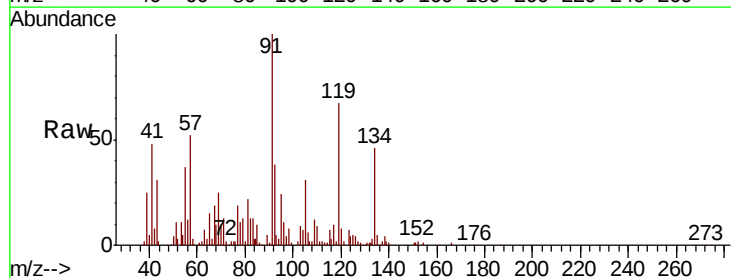
Instrument :
 MSVOA_L
 ClientSampleId :

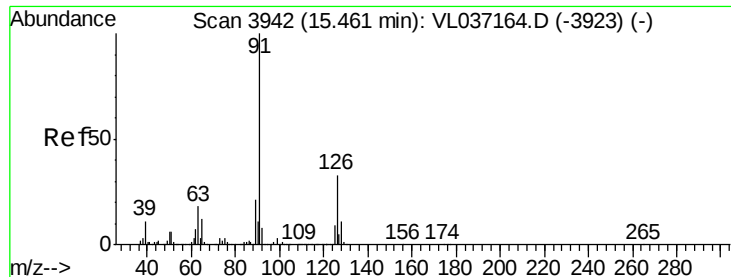
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.9	31.3#
91	0.0	22.6	34.0#



#70
 n-Butylbenzene
 Concen: 0.165 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.0	66.0#
134	0.0	20.2	30.4#

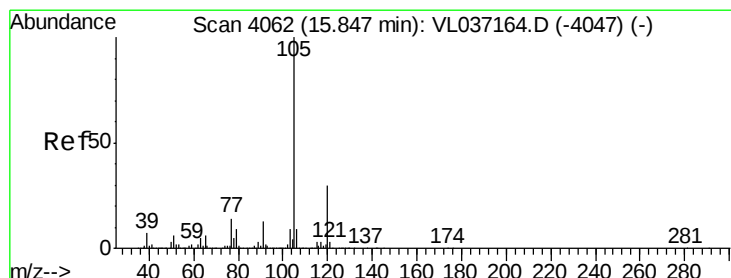
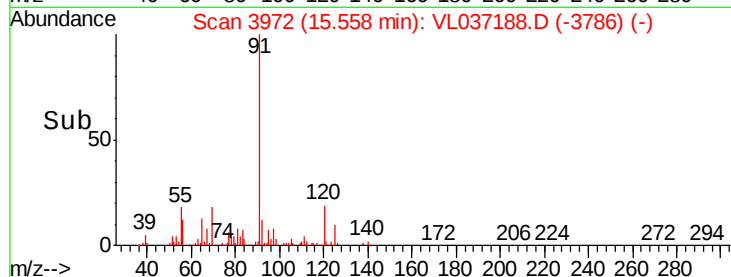
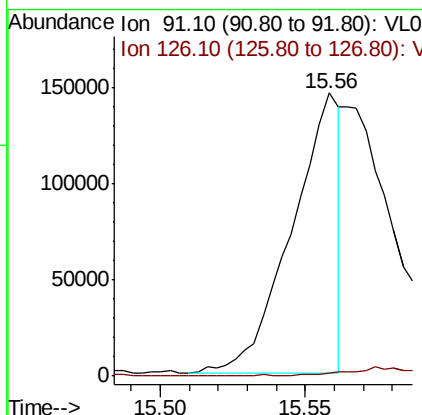
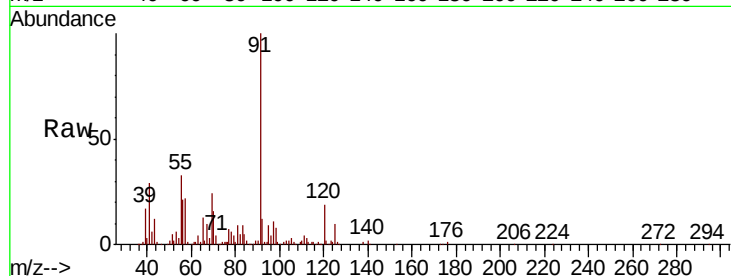




#71
2-Chlorotoluene
Concen: 0.374 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. 0.10 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

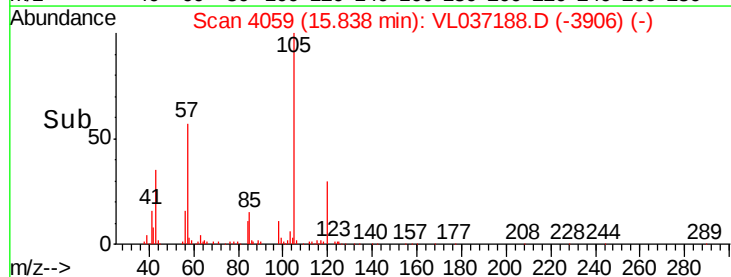
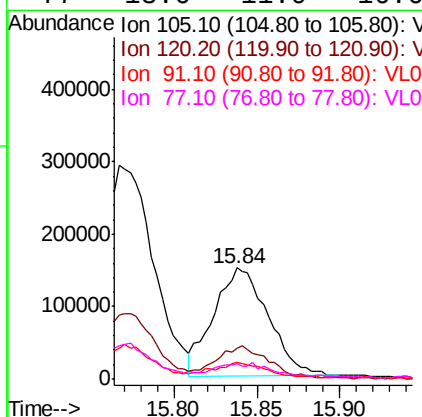
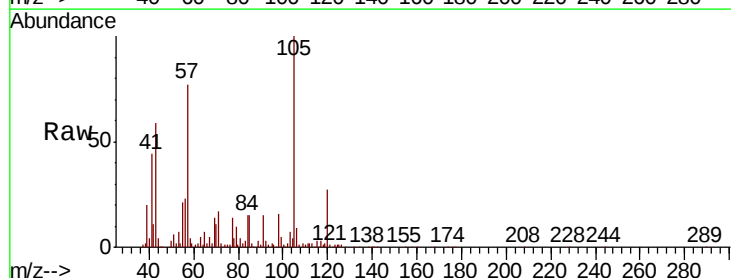
Instrument :
MSVOA_L
ClientSampleId :

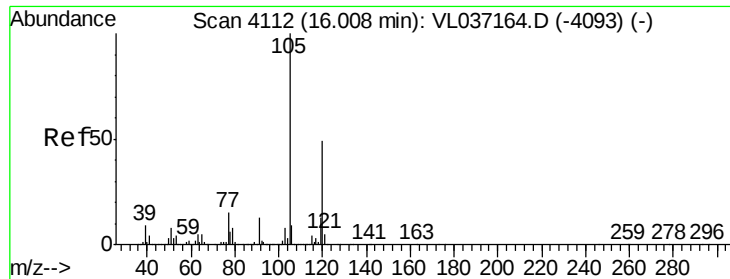
Tot Ion: 91 Resp: 168197
Ion Ratio Lower Upper
91 100
126 6.1 13.5 54.1#



#72
4-Ethyltoluene
Concen: 0.673 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.01 min
Lab File: VL037188.D
Acq: 17 Jun 2021 2:53

Tgt Ion:105 Resp: 346150
Ion Ratio Lower Upper
105 100
120 30.4 24.7 37.1
91 14.0 10.2 15.4
77 13.6 11.0 16.6

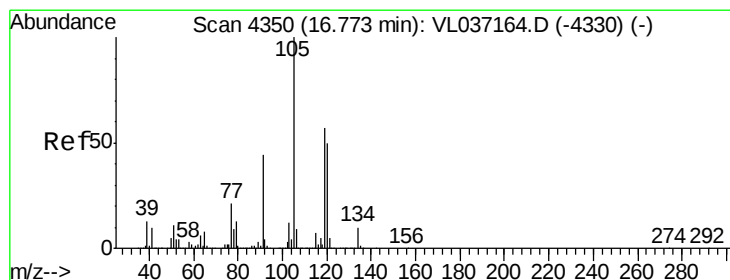
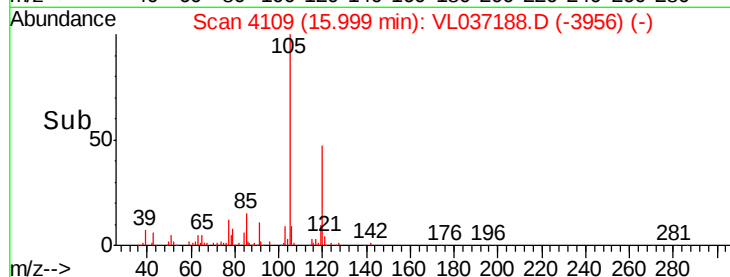
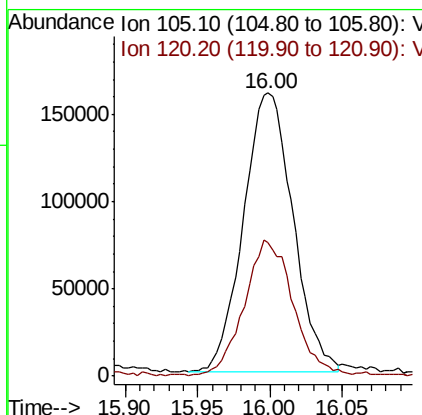
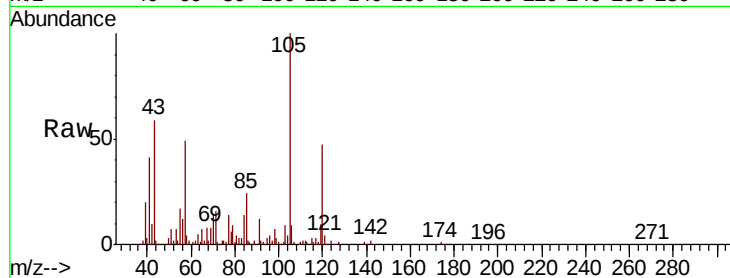




#73
 1,3,5-Trimethylbenzene
 Concen: 0.765 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

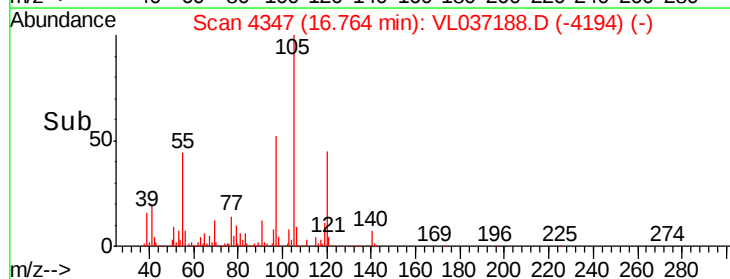
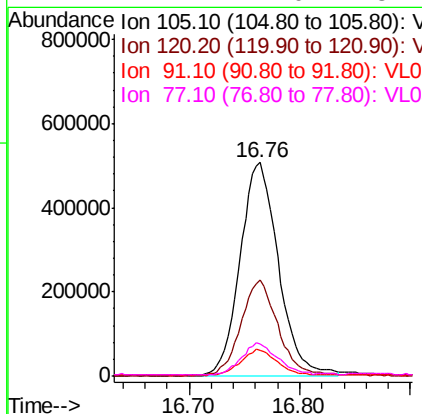
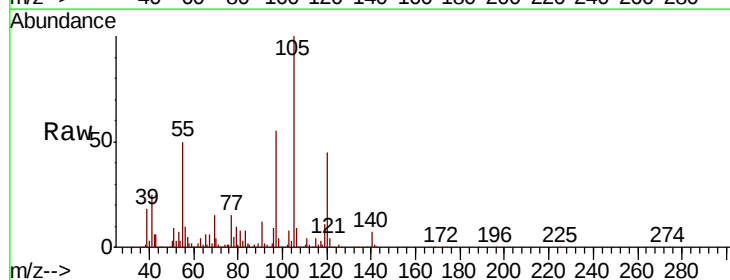
Instrument :
 MSVOA_L
 ClientSampleId :

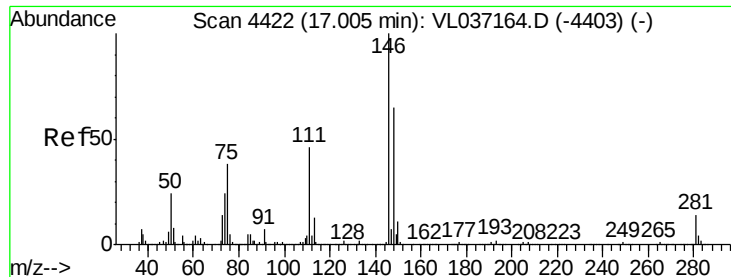
Tot Ion:105 Resp: 380088
 Ion Ratio Lower Upper
 105 100
 120 47.7 39.4 59.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.371 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion:105 Resp: 1214123
 Ion Ratio Lower Upper
 105 100
 120 45.1 39.8 59.8
 91 11.4 37.0 55.4#
 77 14.1 17.0 25.4#

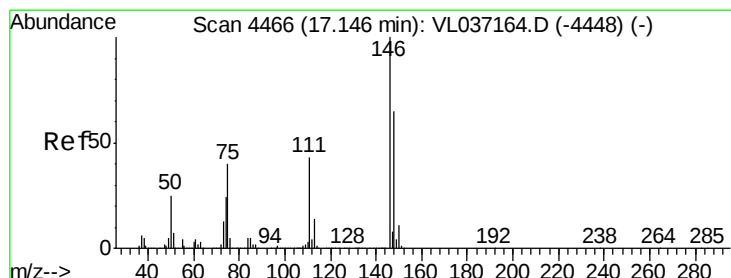
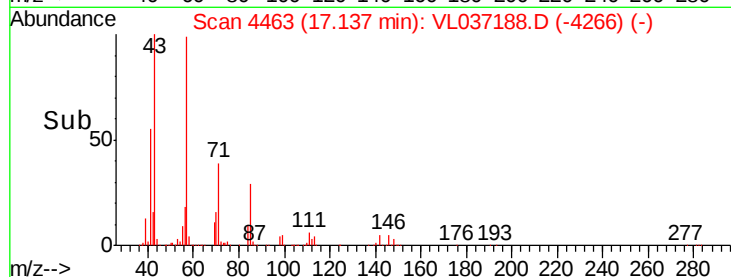
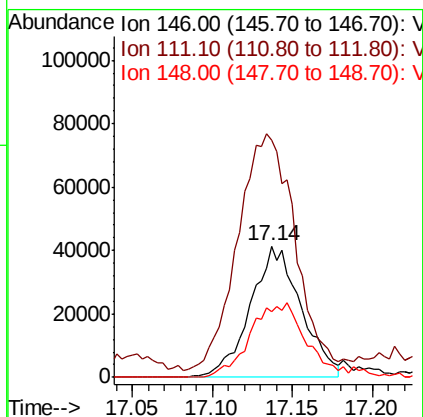
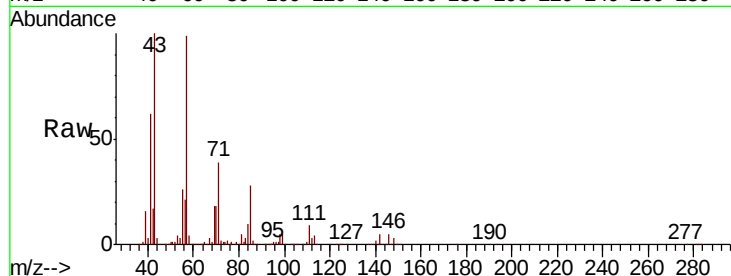




#75
 1,3-Dichlorobenzene
 Concen: 0.290 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.13 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 90441
 Ion Ratio Lower Upper
 146 100
 111 195.0 22.2 66.6#
 148 65.1 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 0.291 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL037188.D
 Acq: 17 Jun 2021 2:53

Tgt Ion:146 Resp: 90441
 Ion Ratio Lower Upper
 146 100
 111 217.8 22.7 68.0#
 148 65.8 33.7 101.1

