

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040030.D
 Acq On : 19 Dec 2022 16:11
 Operator : SY/MD
 Sample : N5969-03RE
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 05:12:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.169	49	894188	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2606736	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2218938	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1674592	9.880	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	39342	0.235	ppbv	96
3) Chlorodifluoromethane	2.652	51	41752	0.316	ppbv	94
4) Chloromethane	2.790	50	16200	0.196	ppbv	98
9) Propene	2.851	41	368304	6.578	ppbv	99
10) Heptane	7.552	43	10580	0.077	ppbv #	1
11) Trichlorofluoromethane	3.539	101	108103	0.594	ppbv	97
13) Ethanol	3.218	45	283600	53.819	ppbv	91
15) Acetone	3.440	43	7975018	57.654	ppbv	90
16) 1,3-Butadiene	2.941	39	11422	0.190	ppbv #	60
17) tert-Butyl alcohol	3.867	59	15085	0.111	ppbv #	53
19) Isopropyl Alcohol	3.562	45	257513	3.778	ppbv #	94
20) Methylene Chloride	3.912	84	1641463	27.917	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	3387	0.057	ppbv #	50
23) Vinyl Acetate	4.597	43	11696	0.267	ppbv #	49
25) Ethyl Acetate	5.192	43	856471	3.575	ppbv #	76
26) Hexane	5.192	57	1218498	12.102	ppbv #	37
27) Carbon Disulfide	4.099	76	12424	0.098	ppbv #	83
29) Chloroform	5.250	83	5255	0.034	ppbv #	53
30) Cyclohexane	6.581	84	7568	0.085	ppbv #	20
34) 2-Butanone	4.767	43	242509	1.715	ppbv	99
36) Benzene	6.346	78	419807	1.803	ppbv	98
39) 1,2-Dichloropropane	6.632	63	636578	7.295	ppbv #	24
41) Tetrahydrofuran	5.513	42	16417	0.186	ppbv #	46
44) 2,2,4-Trimethylpentane	7.308	57	47285	0.123	ppbv #	76
50) 4-Methyl-2-Pentanone	8.169	43	15522	0.067	ppbv #	39
52) Tetrachloroethene	10.594	164	938919	11.862	ppbv	97
53) Toluene	9.201	91	184782	0.717	ppbv	98
58) Ethyl Benzene	12.073	91	28591	0.091	ppbv	89
59) m/p-Xylene	12.349	91	46672	0.170	ppbv #	32
60) o-Xylene	13.040	91	59609	0.227	ppbv	98
62) Isopropylbenzene	14.011	105	784857	2.069	ppbv	97
64) n-propylbenzene	14.902	120	5202	0.054	ppbv #	1
66) Benzyl Chloride	16.314	91	2003	0.104	ppbv #	77
69) p-Isopropyltoluene	16.979	119	27334	0.074	ppbv #	39
70) n-Butylbenzene	17.879	91	23250	0.060	ppbv #	72
72) 4-Ethyltoluene	15.179	105	45540	0.156	ppbv #	72
73) 1,3,5-Trimethylbenzene	15.330	105	37497	0.142	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.089	105	248930	0.857	ppbv #	67
78) Hexachloro-1,3-Butadiene	22.622	225	5769	0.055	ppbv #	100
79) Naphthalene	21.365	128	46544	0.269	ppbv	96
80) Naphthalene,2-methyl-	24.361	142	27548	0.520	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.120	180	5514	0.054	ppbv #	12

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 20 05:12:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

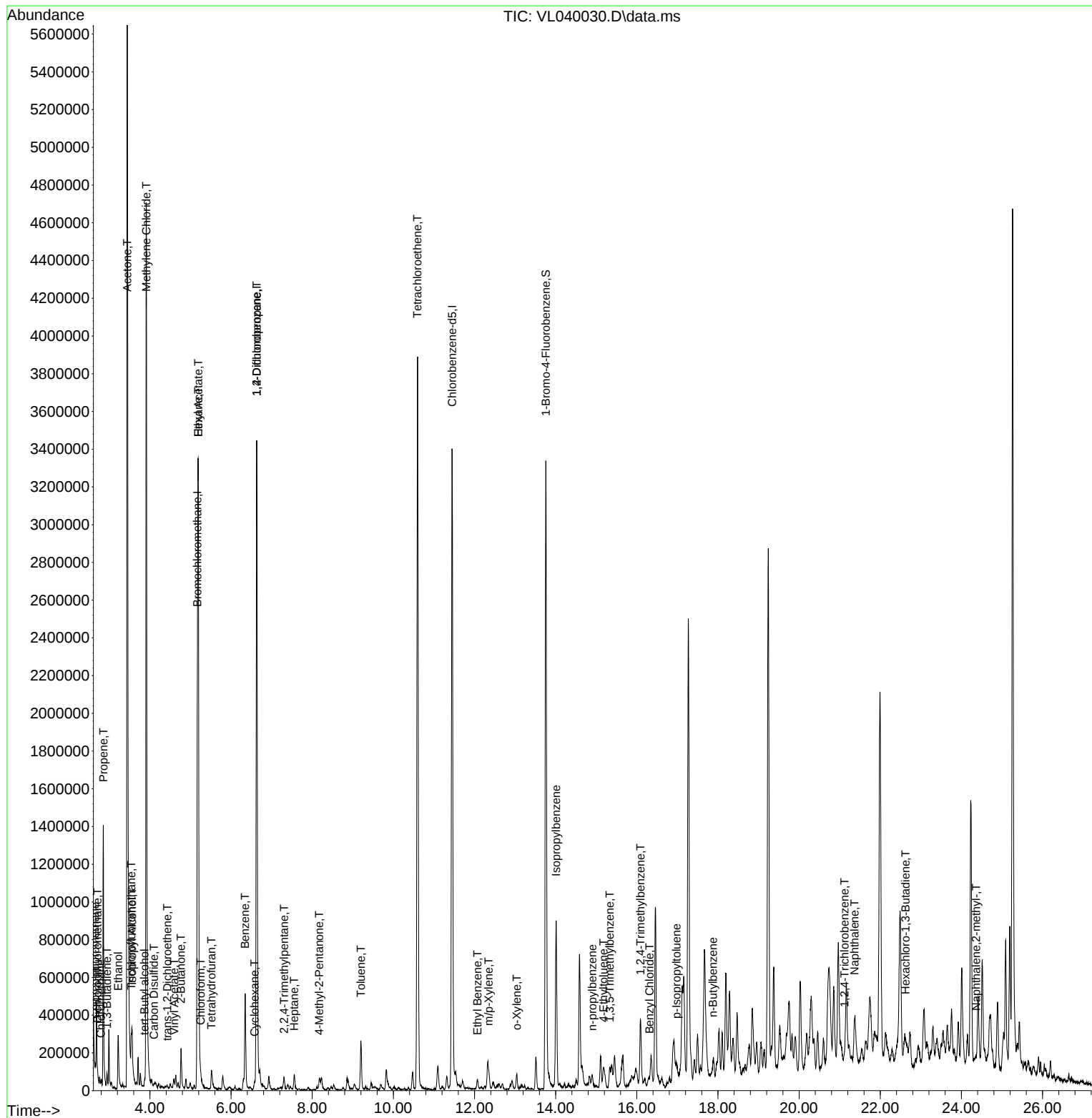
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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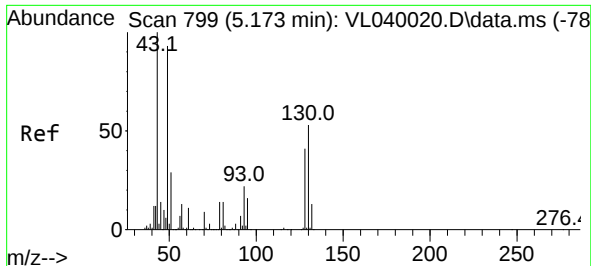
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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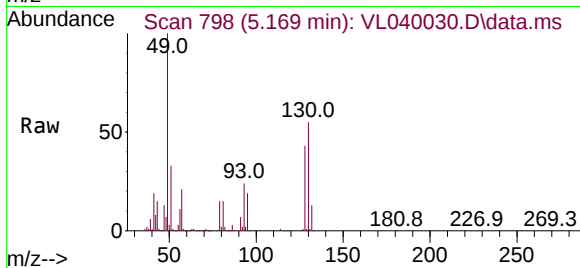
Quant Time: Dec 20 05:12:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
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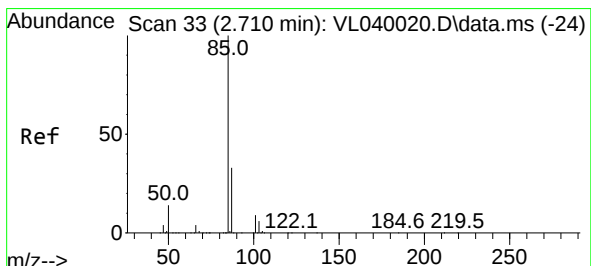
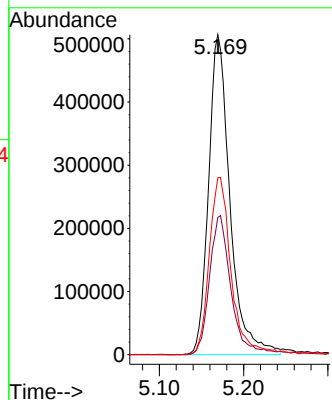
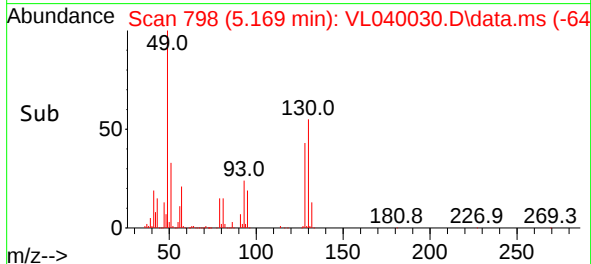


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 799
 Delta R.T. -0.004 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

Instrument :
 MSVOA_L
 ClientSampleId :

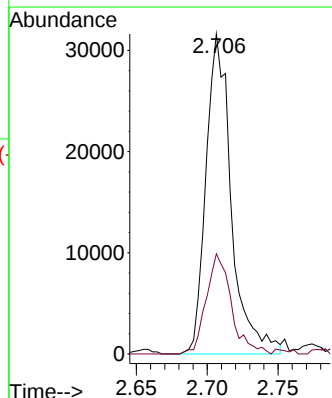
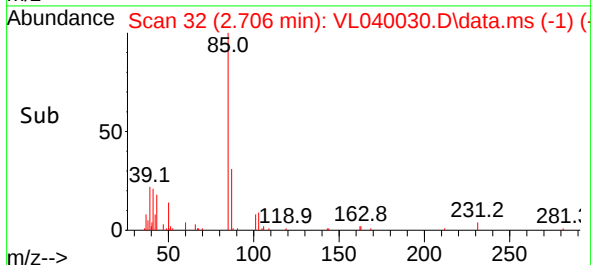
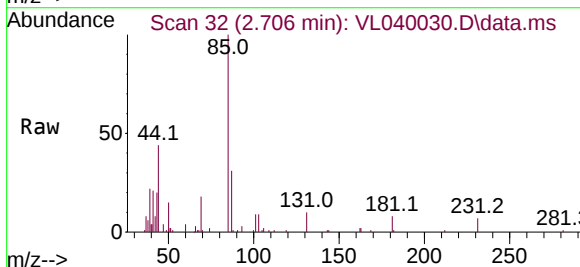


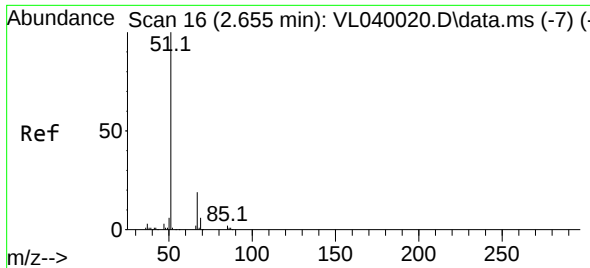
Tgt Ion: 49 Resp: 894188
 Ion Ratio Lower Upper
 49 100
 128 44.4 22.4 67.3
 130 58.1 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 0.235 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.003 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

Tgt Ion: 85 Resp: 39342
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 40.0

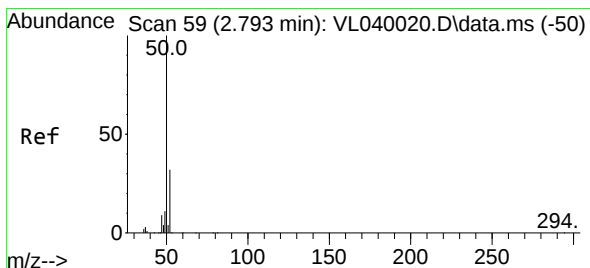
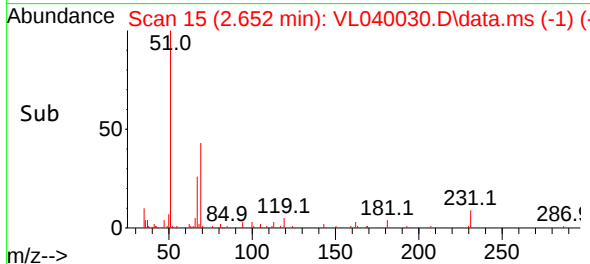
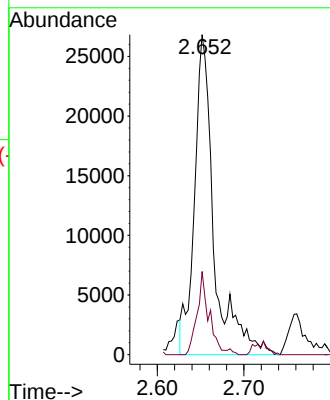
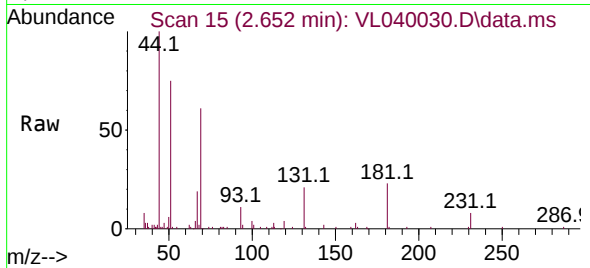




#3
Chlorodifluoromethane
Concen: 0.316 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

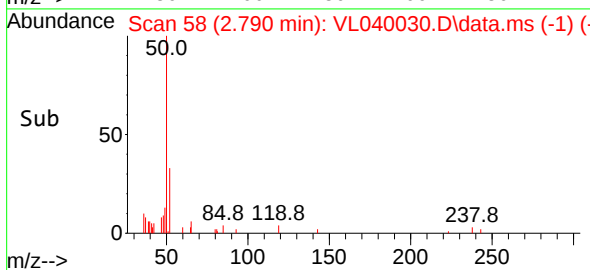
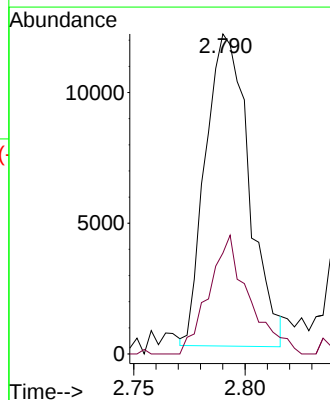
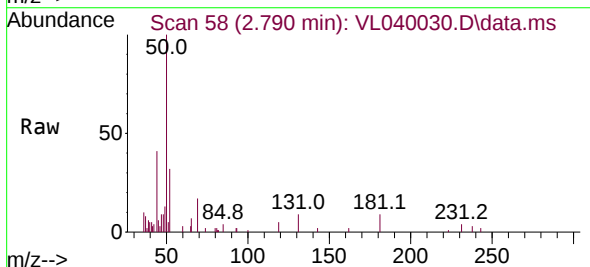
Instrument :
MSVOA_L
ClientSampleId :

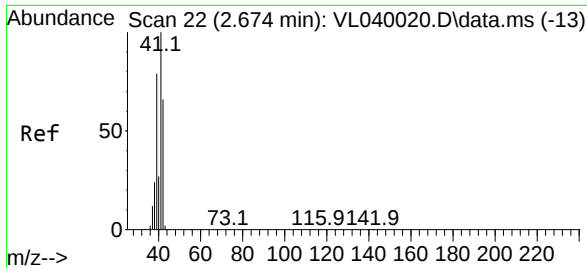
Tgt Ion: 51 Resp: 41752
Ion Ratio Lower Upper
51 100
67 16.4 15.3 22.9



#4
Chloromethane
Concen: 0.196 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 50 Resp: 16200
Ion Ratio Lower Upper
50 100
52 33.1 25.5 38.3

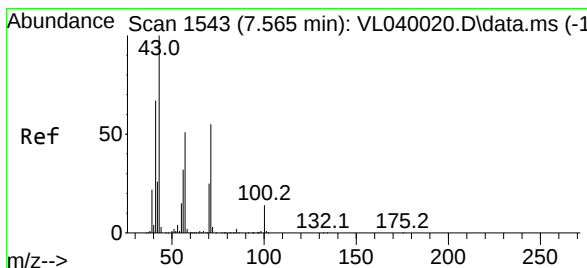
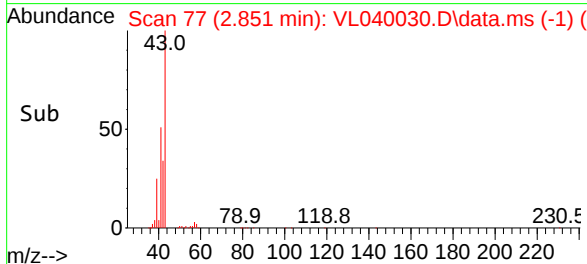
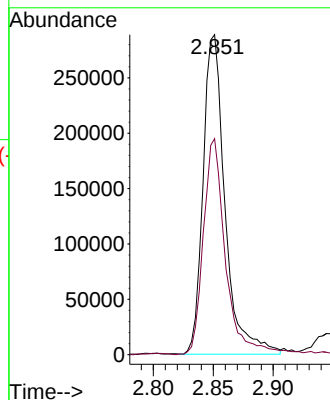
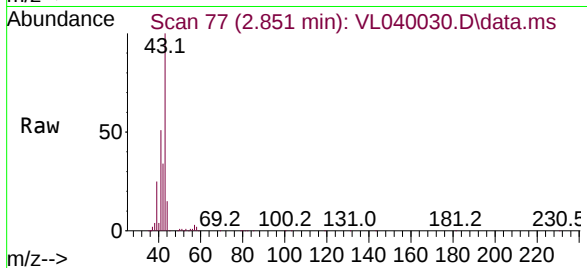




#9
Propene
Concen: 6.578 ppbv
RT: 2.851 min Scan# 71
Delta R.T. 0.177 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

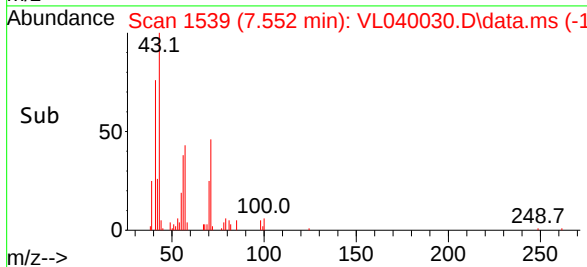
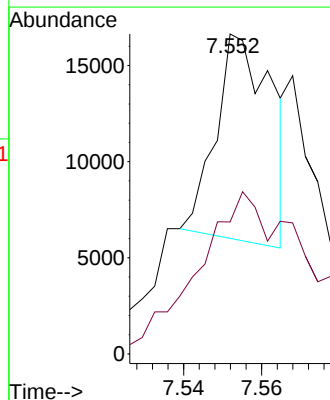
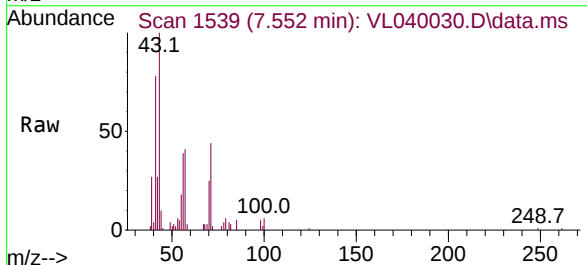
Instrument :
MSVOA_L
ClientSampleId :

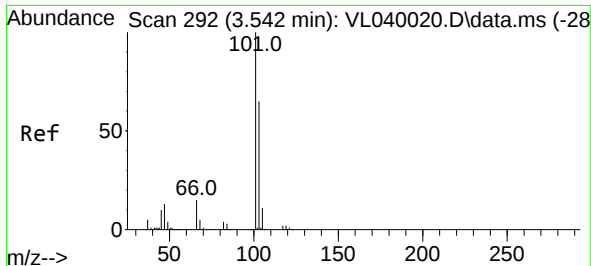
Tgt Ion: 41 Resp: 368304
Ion Ratio Lower Upper
41 100
42 69.6 54.8 82.2



#10
Heptane
Concen: 0.077 ppbv
RT: 7.552 min Scan# 1539
Delta R.T. -0.013 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 43 Resp: 10580
Ion Ratio Lower Upper
43 100
57 169.1 41.2 61.8#

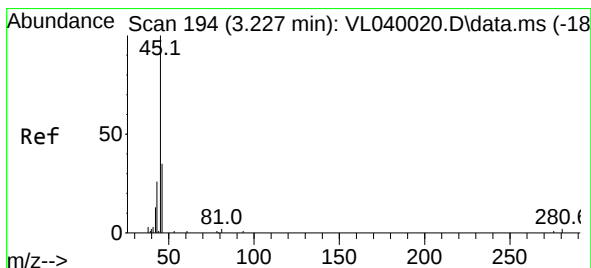
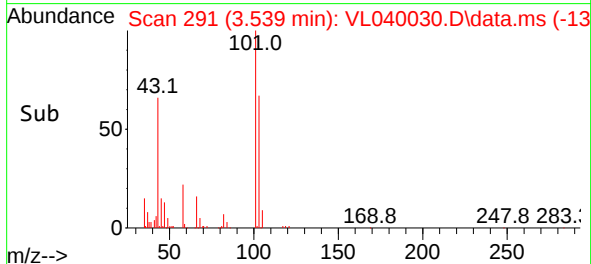
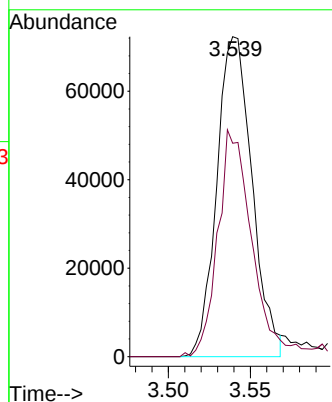
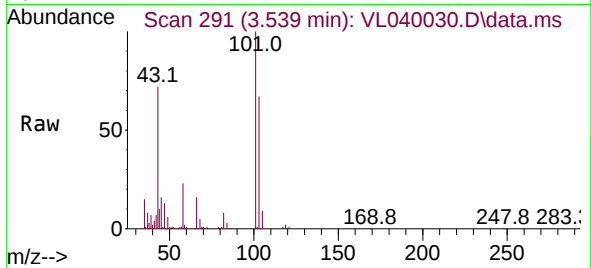




#11
 Trichlorofluoromethane
 Concen: 0.594 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. -0.003 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

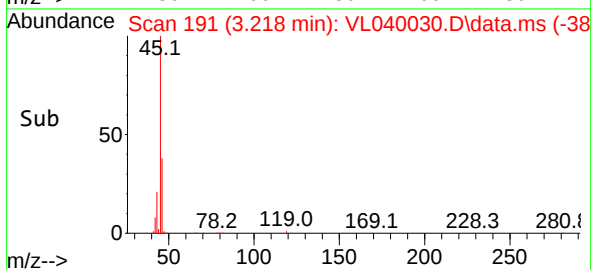
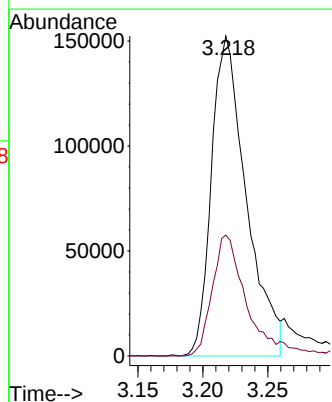
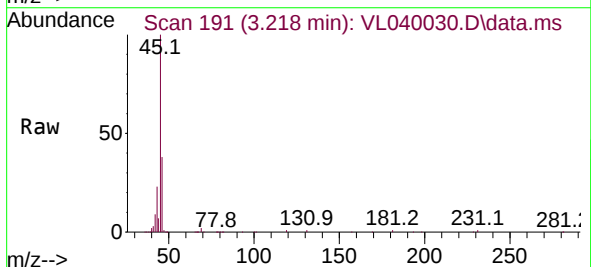
Instrument :
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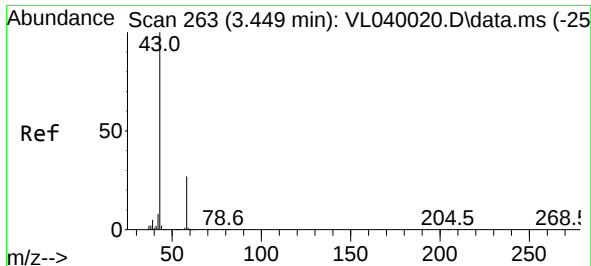
Tgt Ion:101 Resp: 108103
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.7 77.5



#13
 Ethanol
 Concen: 53.819 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. -0.010 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

Tgt Ion: 45 Resp: 283600
 Ion Ratio Lower Upper
 45 100
 46 39.3 13.7 54.7

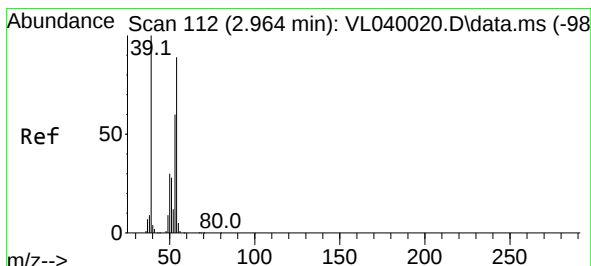
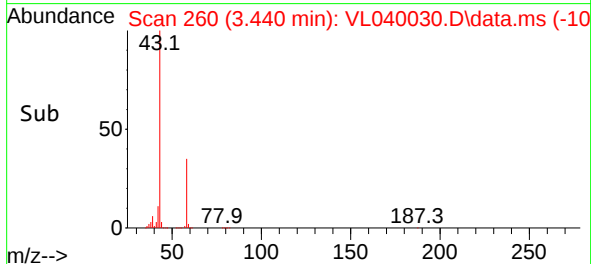
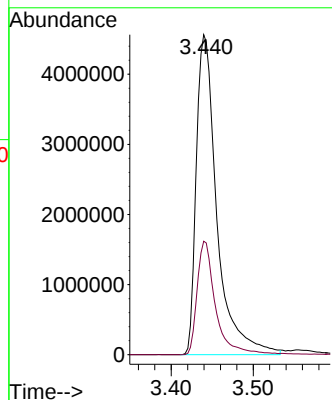
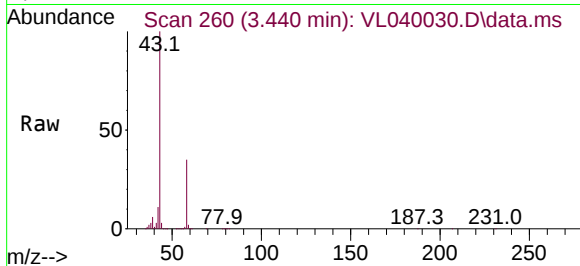




#15
Acetone
Concen: 57.654 ppbv
RT: 3.440 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

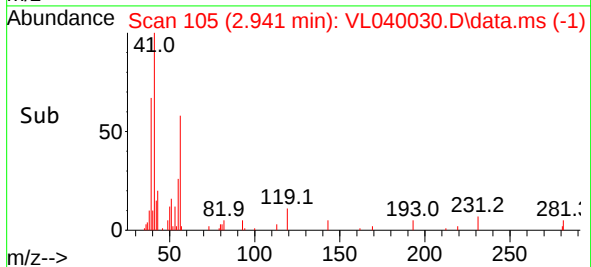
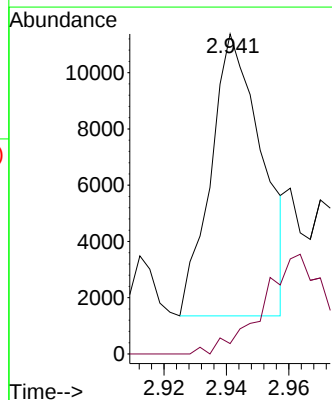
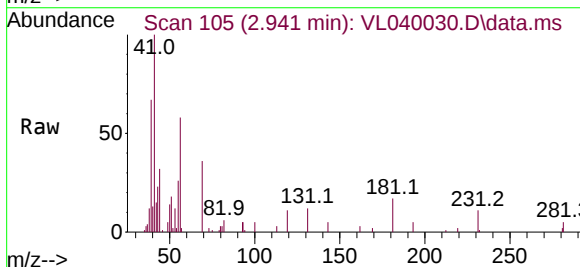
Instrument :
MSVOA_L
ClientSampleId :

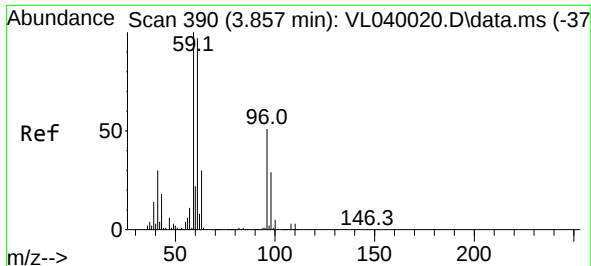
Tgt Ion: 43 Resp: 7975018
Ion Ratio Lower Upper
43 100
58 32.3 21.8 32.8



#16
1,3-Butadiene
Concen: 0.190 ppbv
RT: 2.941 min Scan# 105
Delta R.T. -0.022 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 39 Resp: 11422
Ion Ratio Lower Upper
39 100
54 49.2 68.3 102.5#





#17

tert-Butyl alcohol

Concen: 0.111 ppbv

RT: 3.867 min Scan# 390

Delta R.T. 0.010 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

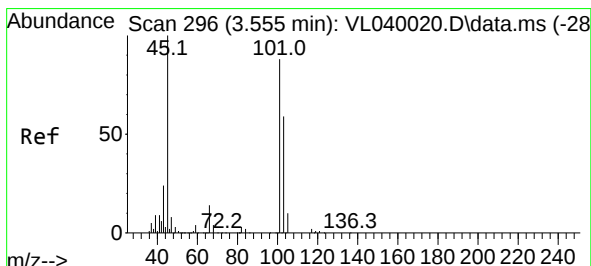
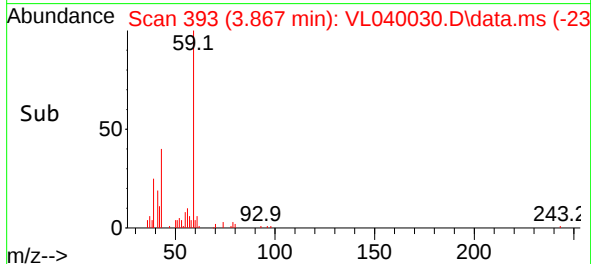
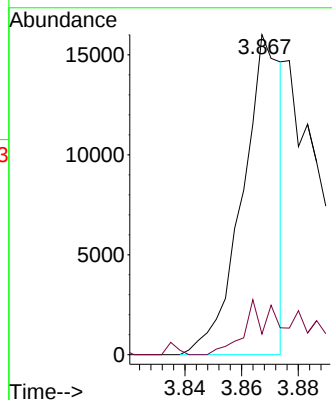
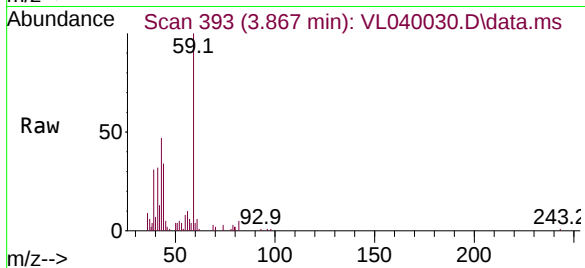
ClientSampleId :

Tgt Ion: 59 Resp: 15085

Ion Ratio Lower Upper

59 100

57 28.0 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 3.778 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.006 min

Lab File: VL040030.D

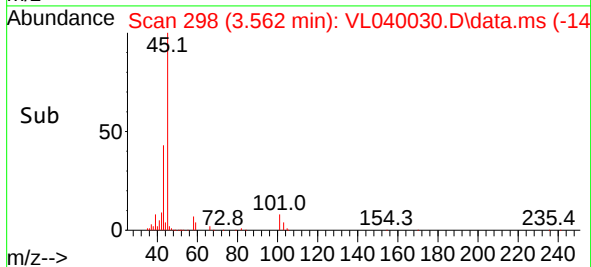
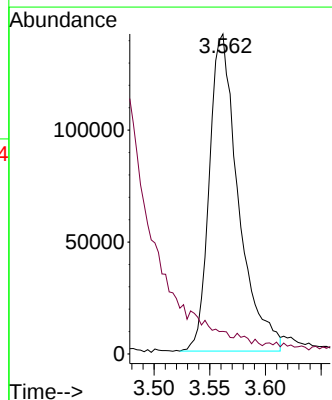
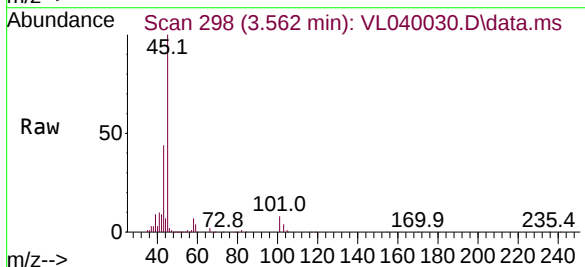
Acq: 19 Dec 2022 16:11

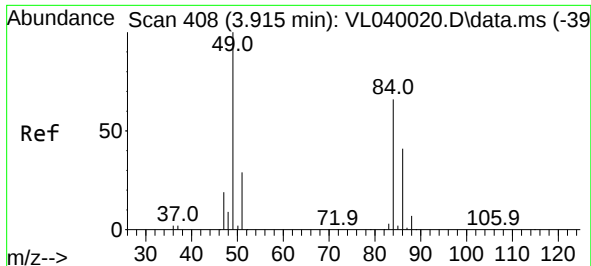
Tgt Ion: 45 Resp: 257513

Ion Ratio Lower Upper

45 100

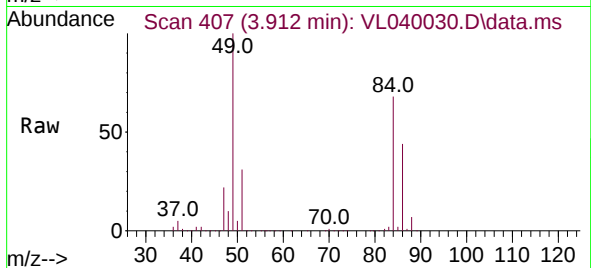
58 0.0 1.7 2.5#





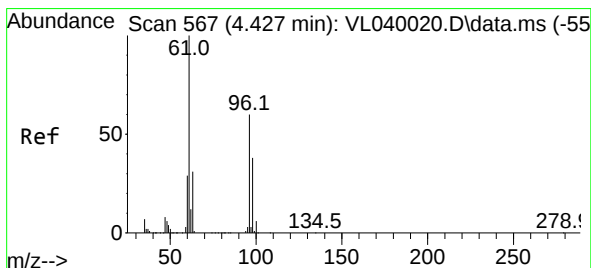
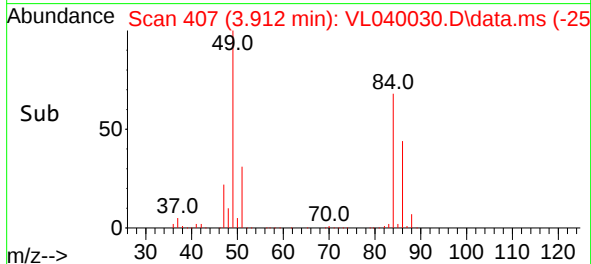
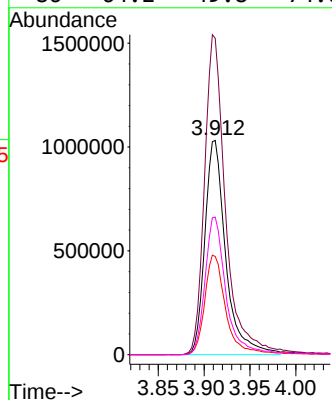
#20
Methylene Chloride
Concen: 27.917 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 1641463

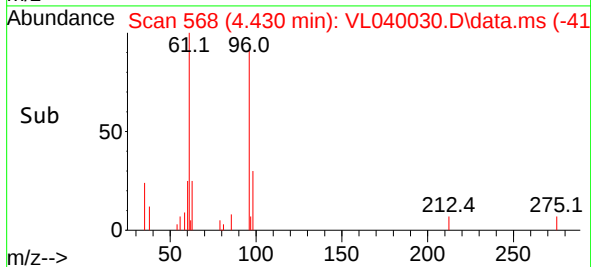
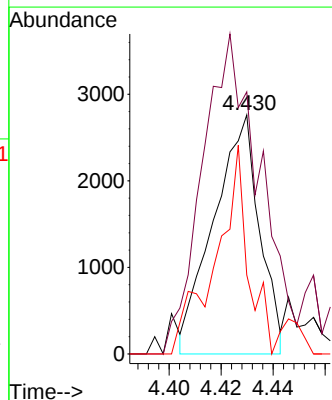
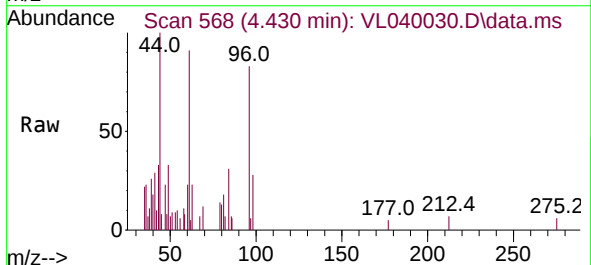
Ion	Ratio	Lower	Upper
84	100		
49	147.5	120.5	180.7
51	45.8	35.2	52.8
86	64.2	49.8	74.6

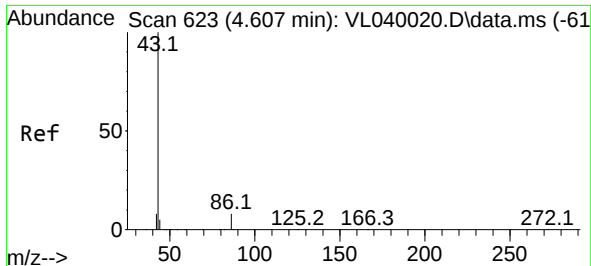


#22
trans-1,2-Dichloroethene
Concen: 0.057 ppbv
RT: 4.430 min Scan# 568
Delta R.T. 0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 96 Resp: 3387

Ion	Ratio	Lower	Upper
96	100		
61	98.5	133.6	200.4#
98	25.8	51.4	77.0#



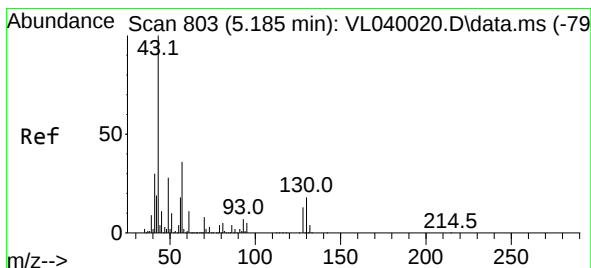
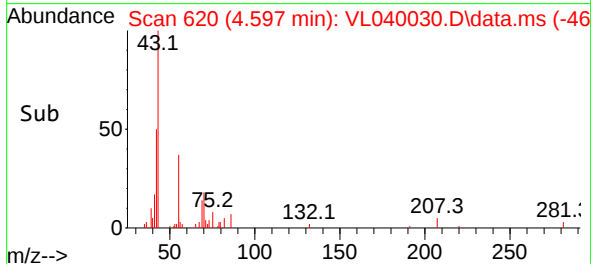
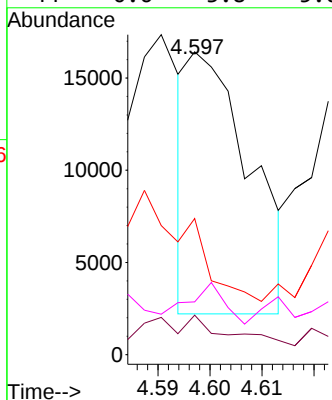
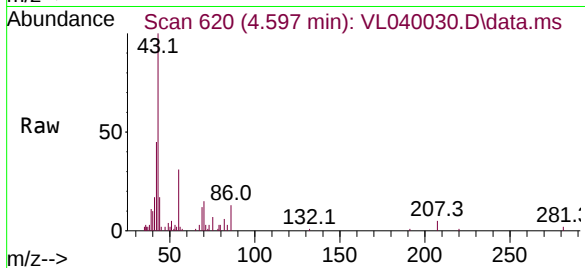


#23
 Vinyl Acetate
 Concen: 0.267 ppbv
 RT: 4.597 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 11696

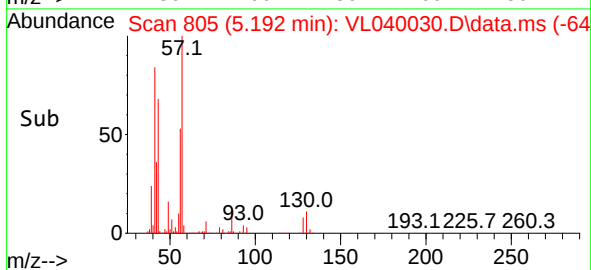
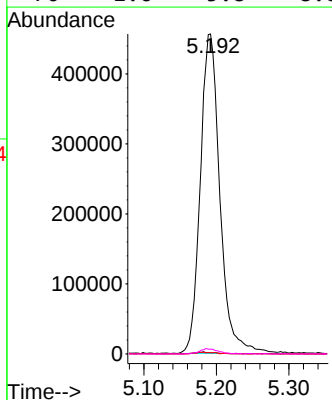
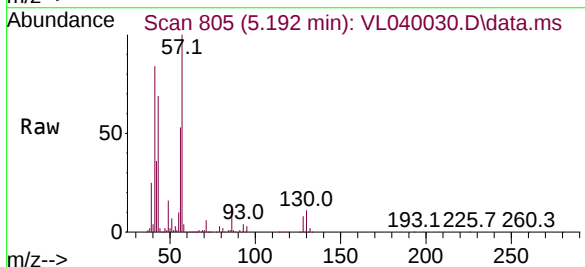
Ion	Ratio	Lower	Upper
43	100		
86	15.7	5.3	7.9#
42	41.2	7.4	11.0#
44	0.6	3.8	5.6#

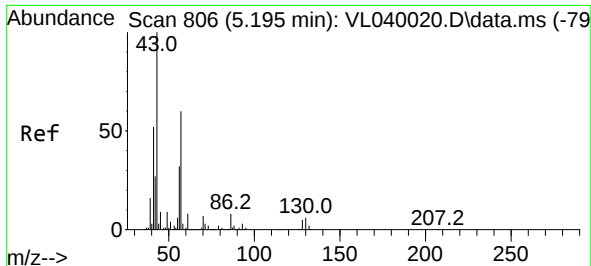


#25
 Ethyl Acetate
 Concen: 3.575 ppbv
 RT: 5.192 min Scan# 805
 Delta R.T. 0.006 min
 Lab File: VL040030.D
 Acq: 19 Dec 2022 16:11

Tgt Ion: 43 Resp: 856471

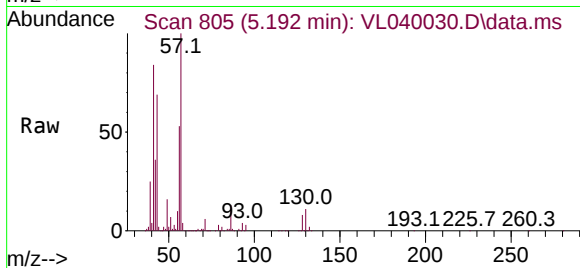
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.6	12.8#
61	0.5	8.5	12.7#
70	1.6	5.8	8.8#





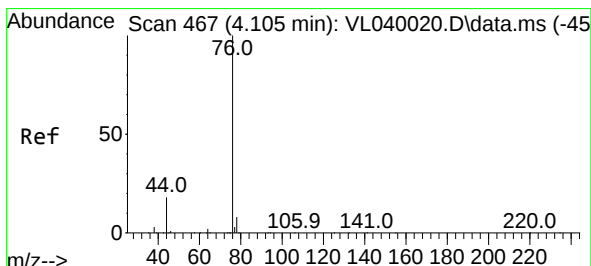
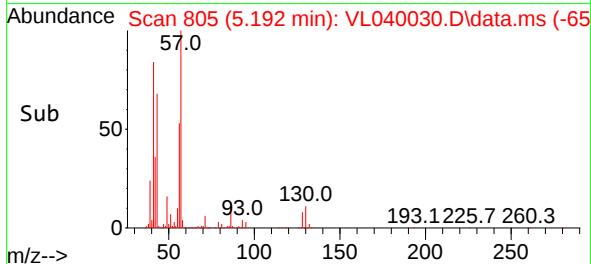
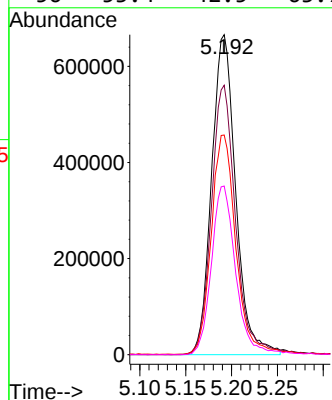
#26
Hexane
Concen: 12.102 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 1218498

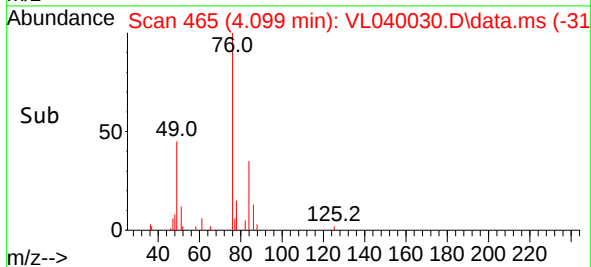
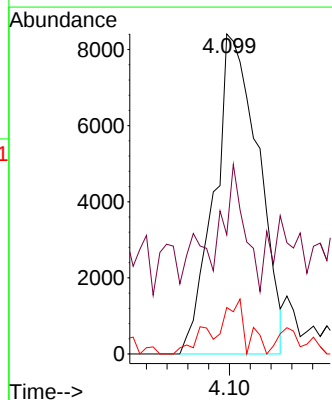
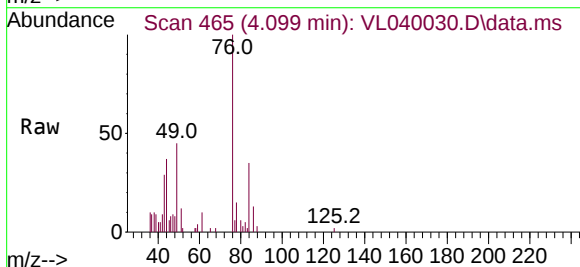
Ion	Ratio	Lower	Upper
57	100		
41	85.7	72.1	108.1
43	70.9	192.1	288.1#
56	53.4	42.5	63.7

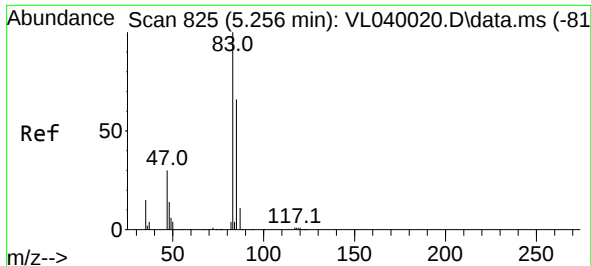


#27
Carbon Disulfide
Concen: 0.098 ppbv
RT: 4.099 min Scan# 465
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 76 Resp: 12424

Ion	Ratio	Lower	Upper
76	100		
44	26.3	15.3	22.9#
78	17.0	7.8	11.6#





#29

Chloroform

Concen: 0.034 ppbv

RT: 5.250 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

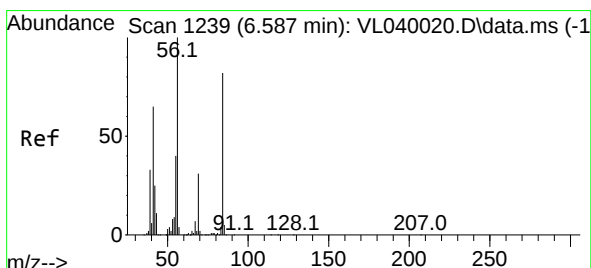
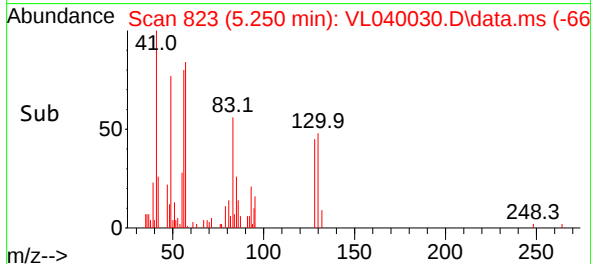
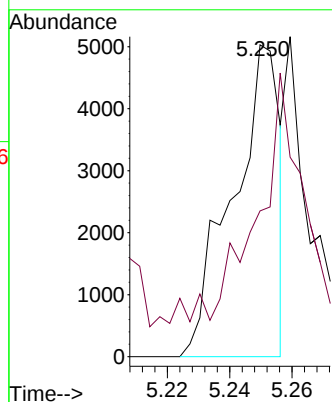
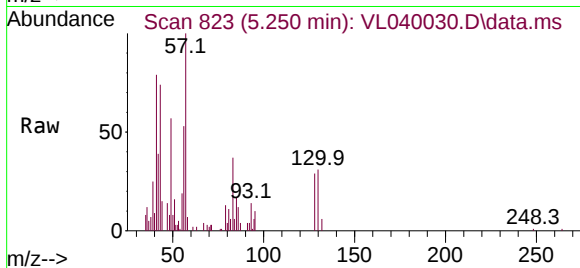
ClientSampleId :

Tgt Ion: 83 Resp: 5255

Ion Ratio Lower Upper

83 100

85 28.0 52.4 78.6#



#30

Cyclohexane

Concen: 0.085 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

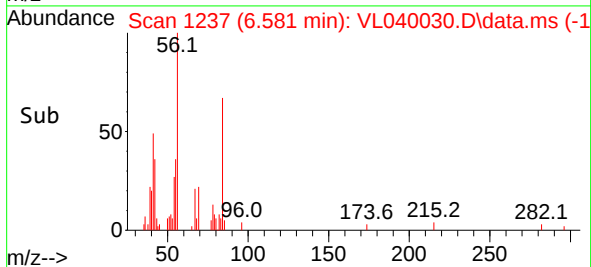
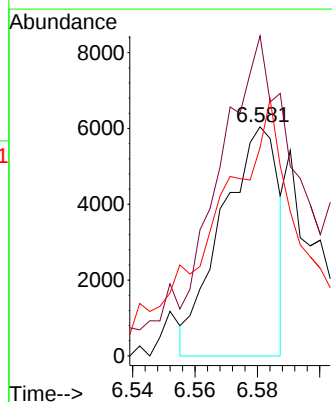
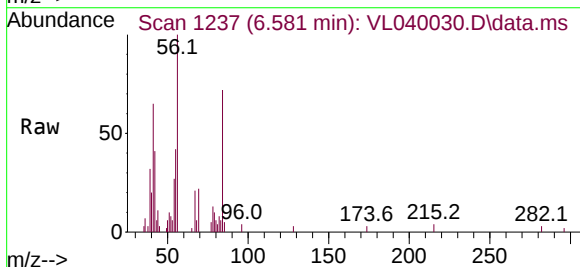
Tgt Ion: 84 Resp: 7568

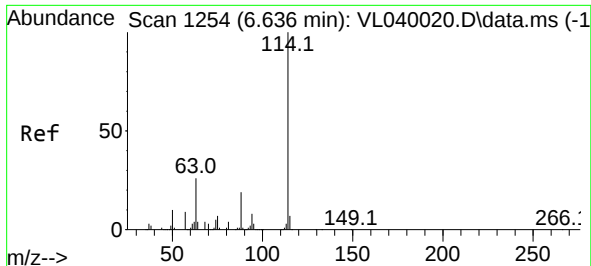
Ion Ratio Lower Upper

84 100

56 222.2 110.2 165.4#

41 173.6 67.8 101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. -0.003 min

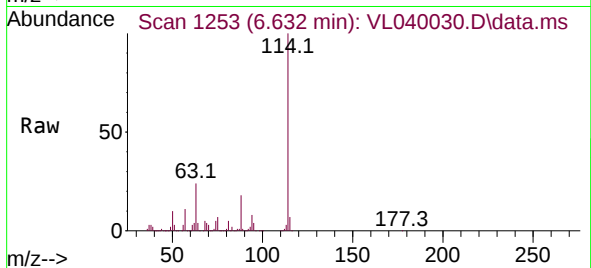
Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

ClientSampleId :



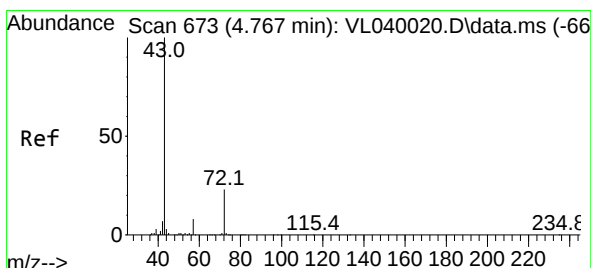
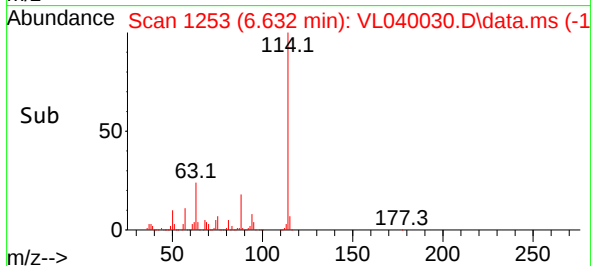
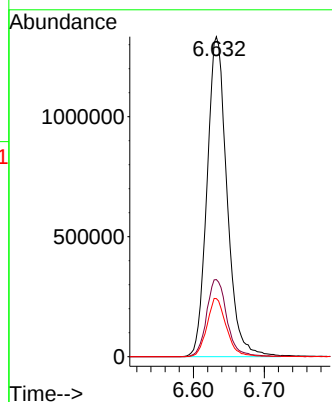
Tgt Ion:114 Resp: 2606736

Ion Ratio Lower Upper

114 100

63 24.6 20.2 30.2

88 17.9 14.6 21.8



#34

2-Butanone

Concen: 1.715 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL040030.D

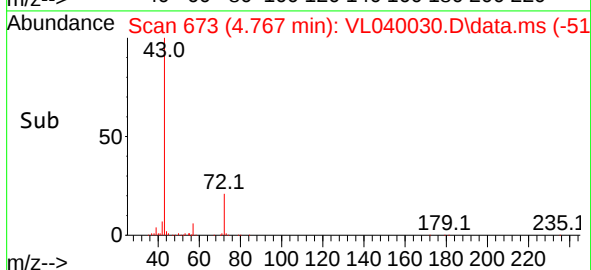
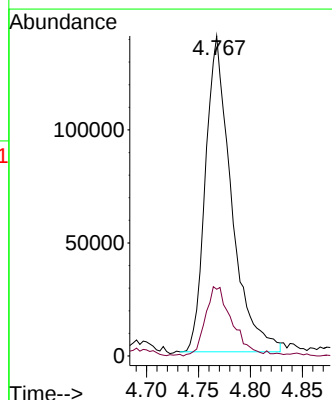
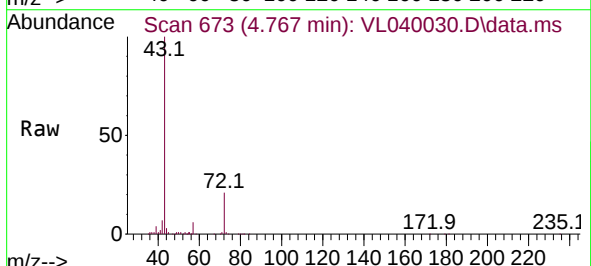
Acq: 19 Dec 2022 16:11

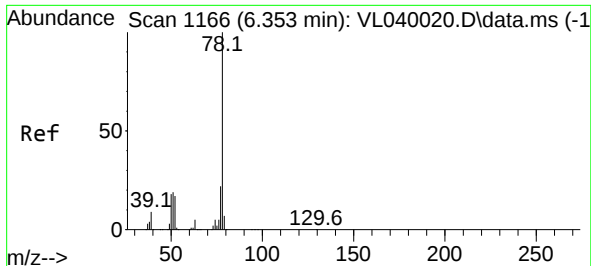
Tgt Ion: 43 Resp: 242509

Ion Ratio Lower Upper

43 100

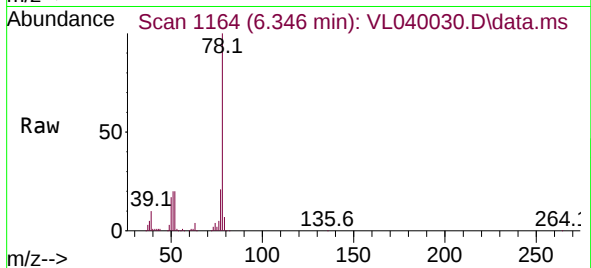
72 23.2 18.0 27.0



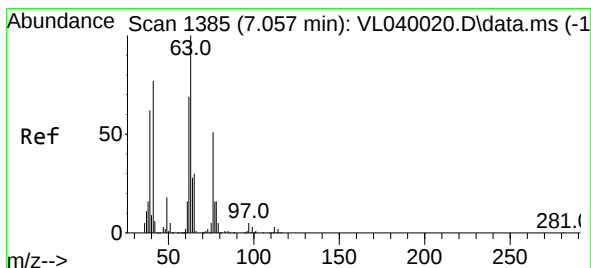
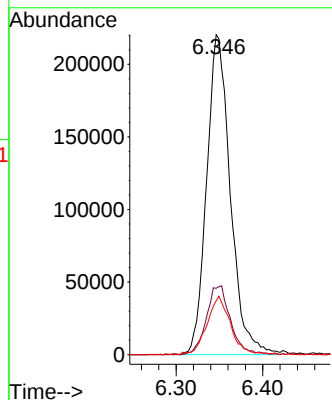
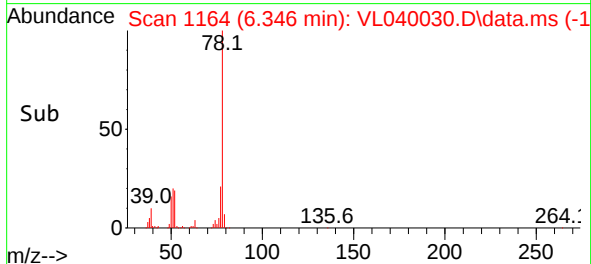


#36
Benzene
Concen: 1.803 ppbv
RT: 6.346 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

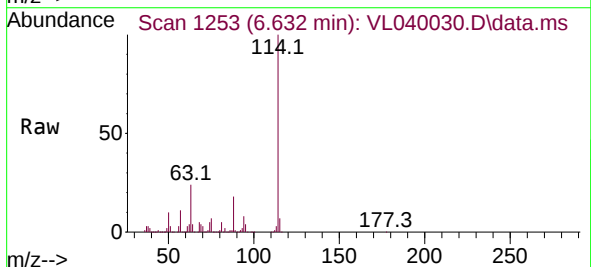
Instrument :
MSVOA_L
ClientSampleId :



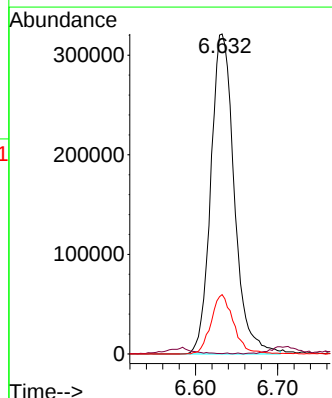
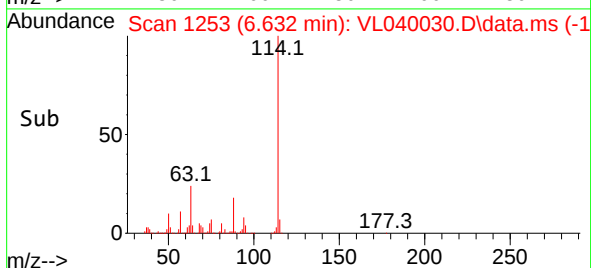
Tgt Ion: 78 Resp: 419807
Ion Ratio Lower Upper
78 100
77 20.8 17.5 26.3
50 16.7 14.2 21.2

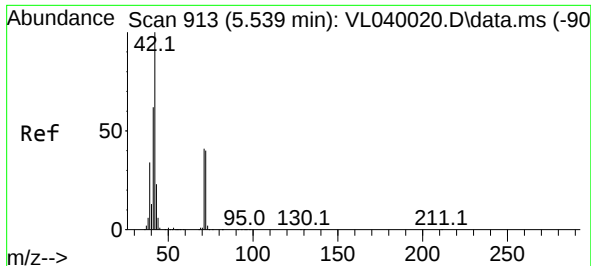


#39
1,2-Dichloropropane
Concen: 7.295 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.424 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11



Tgt Ion: 63 Resp: 636578
Ion Ratio Lower Upper
63 100
41 0.0 61.4 92.0#
62 18.6 55.4 83.2#

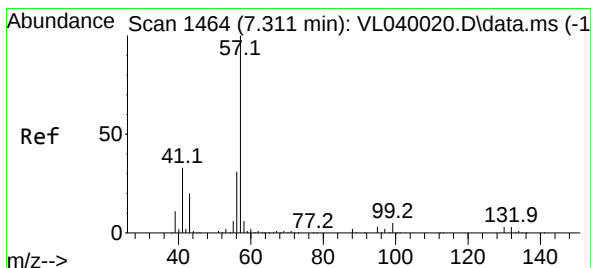
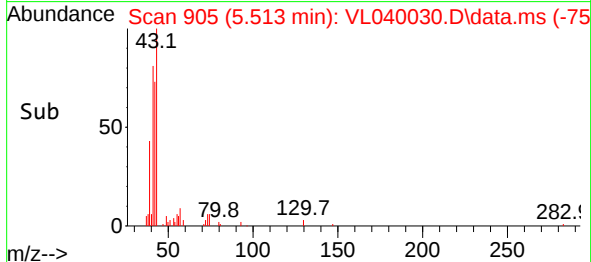
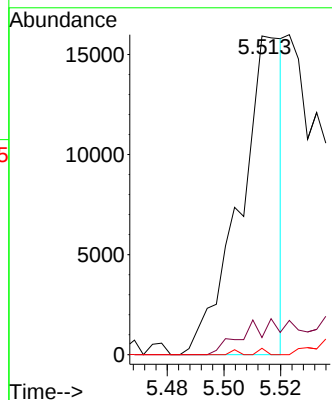
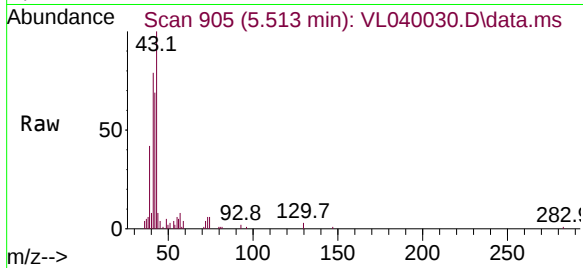




#41
Tetrahydrofuran
Concen: 0.186 ppbv
RT: 5.513 min Scan# 913
Delta R.T. -0.026 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

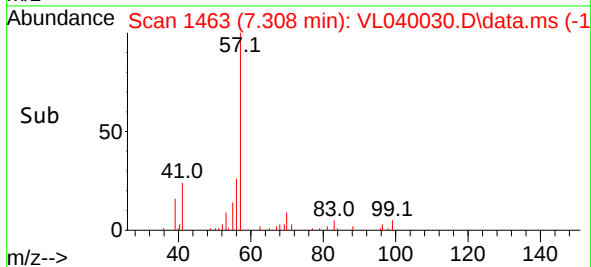
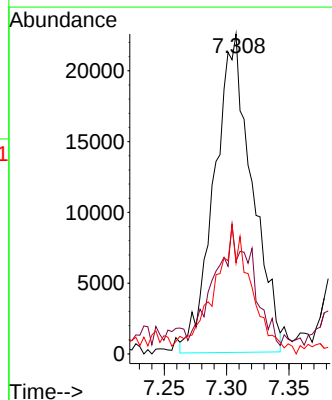
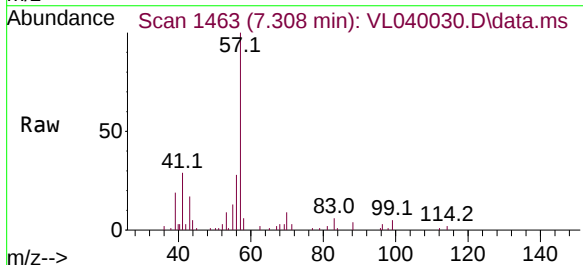
Instrument :
MSVOA_L
ClientSampleId :

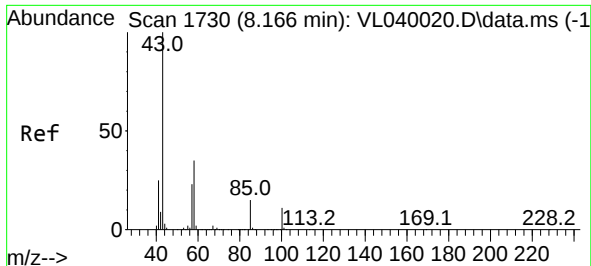
Tgt Ion: 42 Resp: 16417
Ion Ratio Lower Upper
42 100
72 14.2 32.9 49.3#
71 0.0 32.2 48.2#



#44
2,2,4-Trimethylpentane
Concen: 0.123 ppbv
RT: 7.308 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 57 Resp: 47285
Ion Ratio Lower Upper
57 100
41 47.0 26.2 39.4#
56 44.3 25.1 37.7#

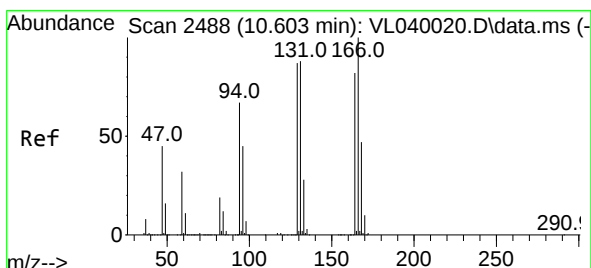
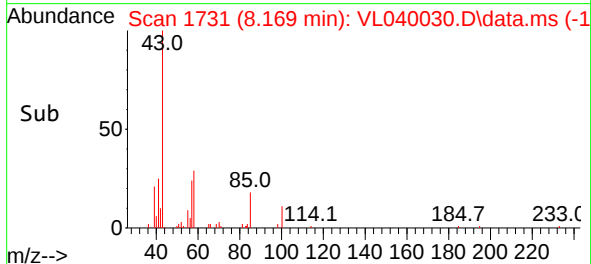
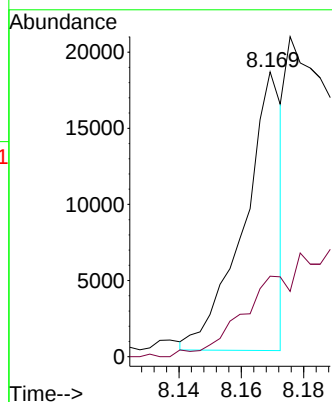
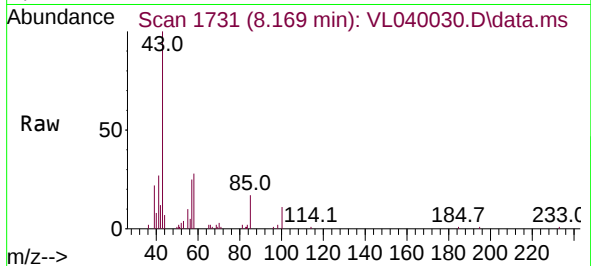




#50
4-Methyl-2-Pentanone
Concen: 0.067 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

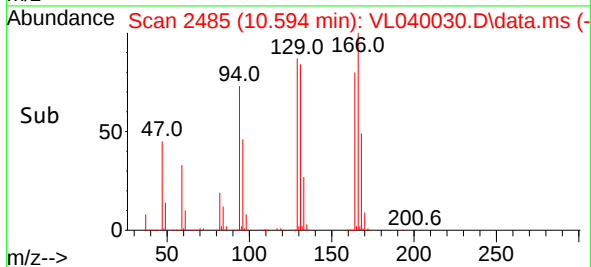
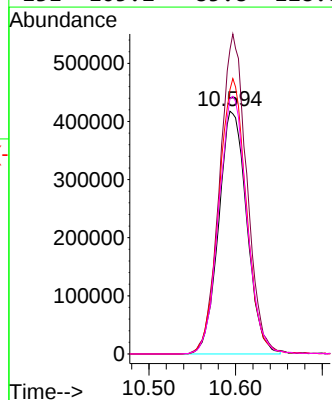
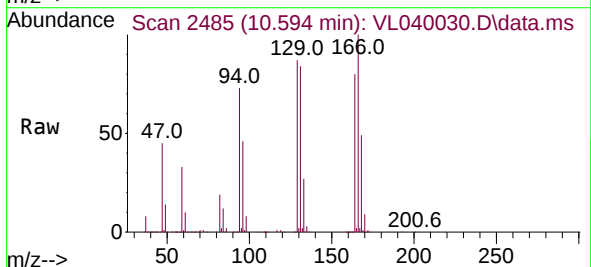
Instrument :
MSVOA_L
ClientSampleId :

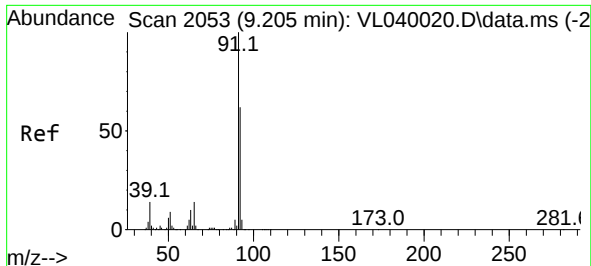
Tgt Ion: 43 Resp: 15522
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.4#



#52
Tetrachloroethene
Concen: 11.862 ppbv
RT: 10.594 min Scan# 2485
Delta R.T. -0.010 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 164 Resp: 938919
Ion Ratio Lower Upper
164 100
166 125.4 97.4 146.0
129 108.9 84.3 126.5
131 105.2 85.8 128.8

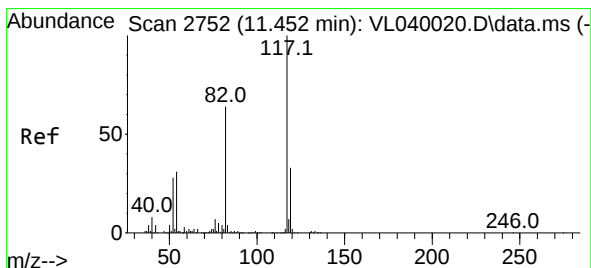
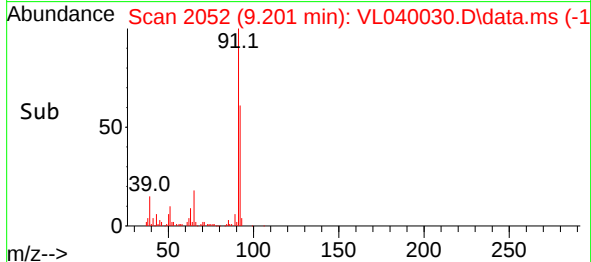
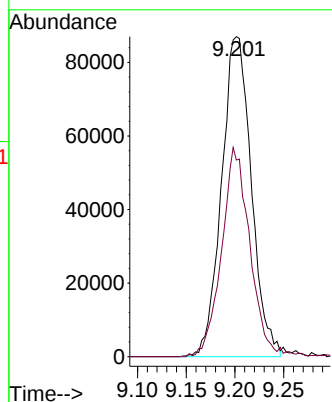
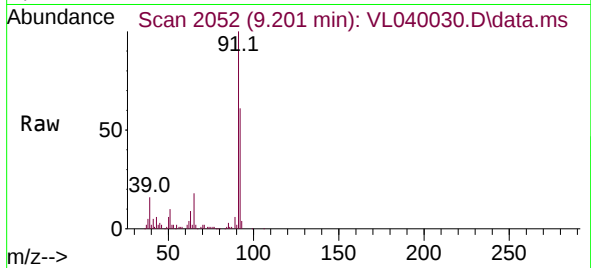




#53
Toluene
Concen: 0.717 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

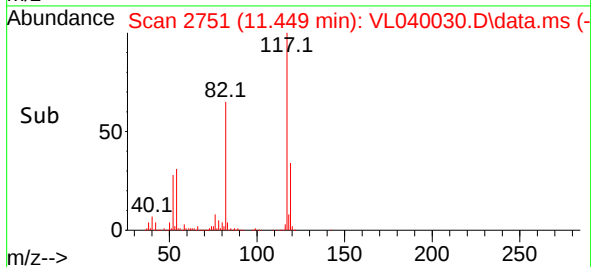
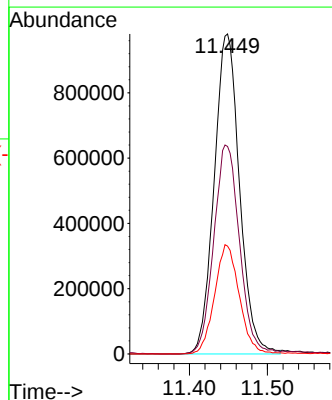
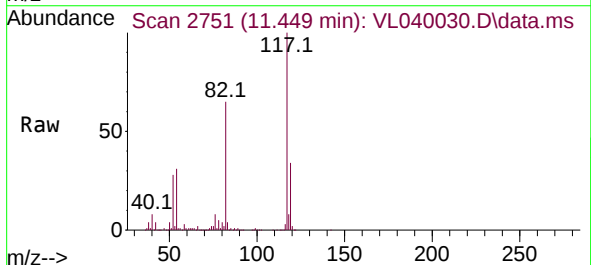
Instrument :
MSVOA_L
ClientSampleId :

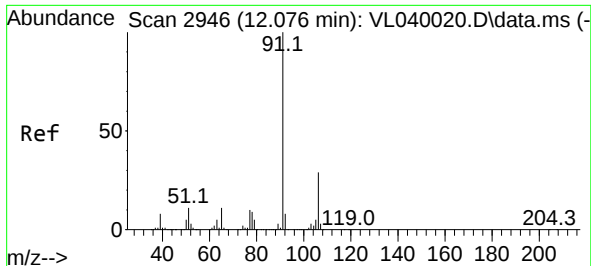
Tgt Ion: 91 Resp: 184782
Ion Ratio Lower Upper
91 100
92 62.6 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 117 Resp: 2218938
Ion Ratio Lower Upper
117 100
82 67.5 51.2 76.8
119 33.5 23.2 34.8





#58

Ethyl Benzene

Concen: 0.091 ppbv

RT: 12.073 min Scan# 2945

Delta R.T. -0.003 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

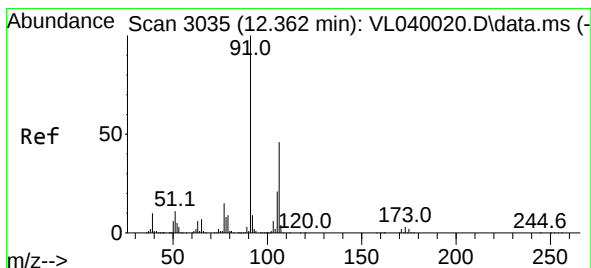
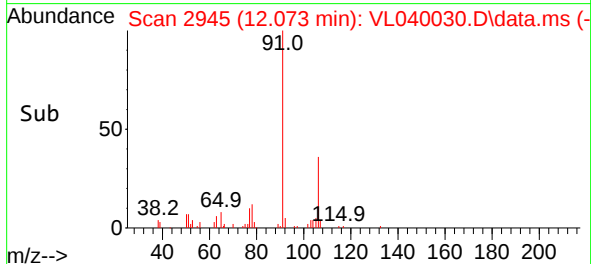
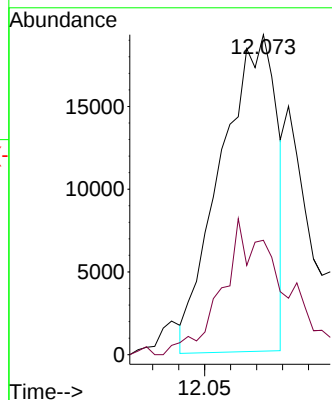
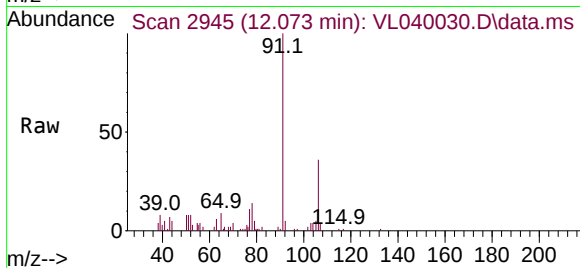
ClientSampleId :

Tgt Ion: 91 Resp: 28591

Ion Ratio Lower Upper

91 100

106 35.2 23.5 35.3



#59

m/p-Xylene

Concen: 0.170 ppbv

RT: 12.349 min Scan# 3031

Delta R.T. -0.013 min

Lab File: VL040030.D

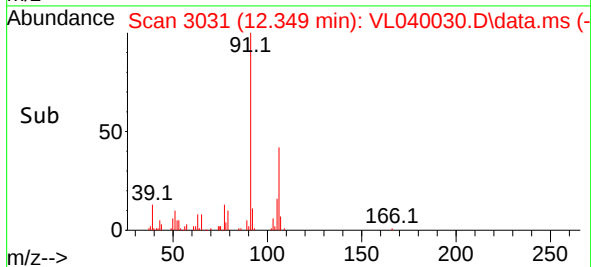
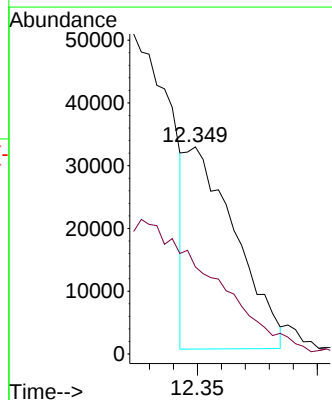
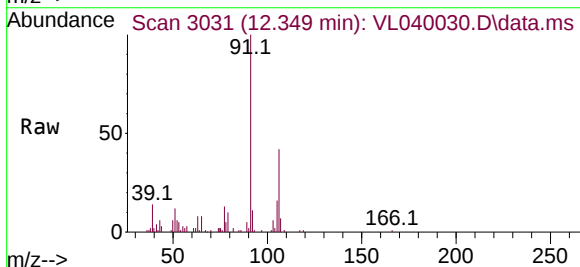
Acq: 19 Dec 2022 16:11

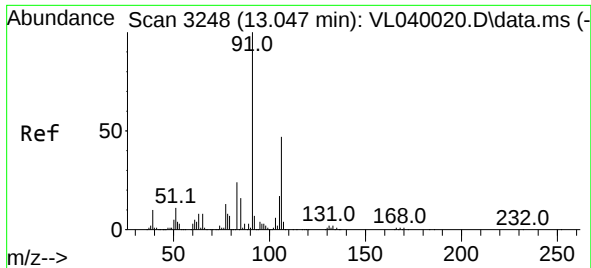
Tgt Ion: 91 Resp: 46672

Ion Ratio Lower Upper

91 100

106 0.0 35.5 53.3#

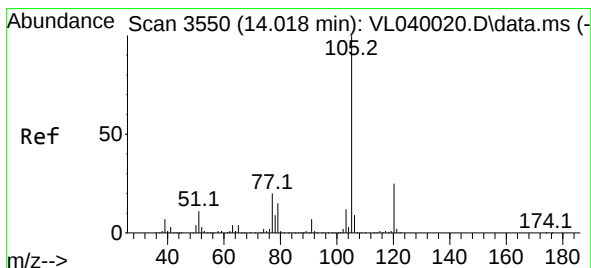
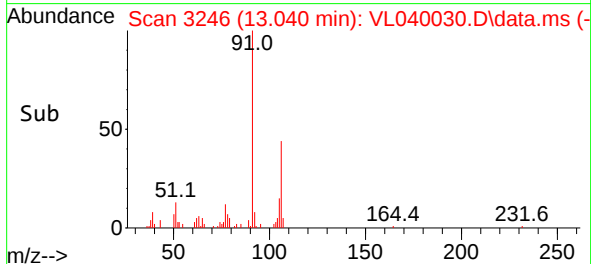
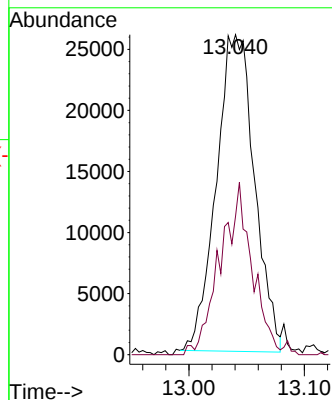
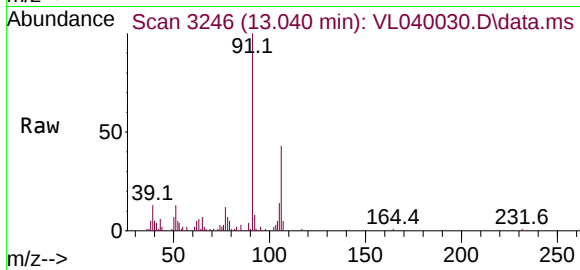




#60
o-Xylene
Concen: 0.227 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

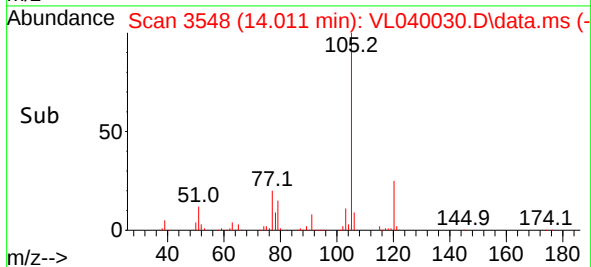
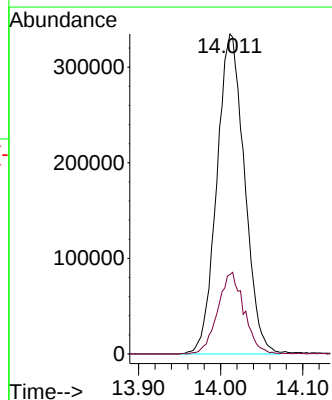
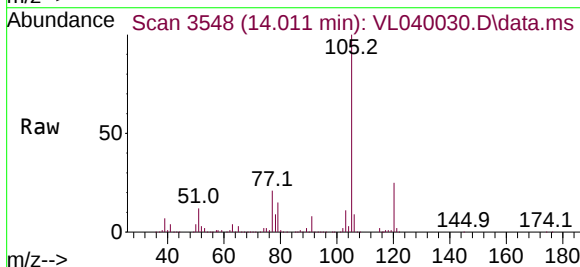
Instrument :
MSVOA_L
ClientSampleId :

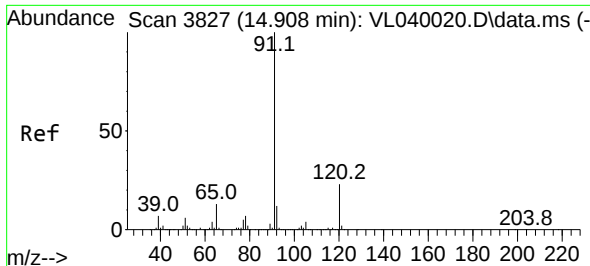
Tgt Ion: 91 Resp: 59609
Ion Ratio Lower Upper
91 100
106 46.0 22.4 67.0



#62
Isopropylbenzene
Concen: 2.069 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 105 Resp: 784857
Ion Ratio Lower Upper
105 100
120 24.3 20.6 31.0

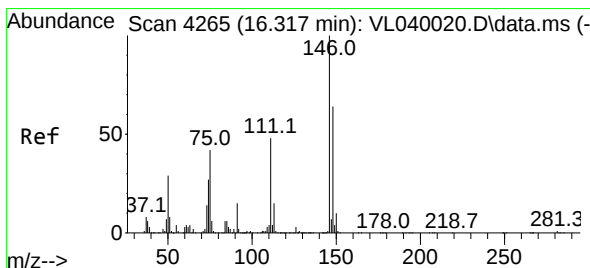
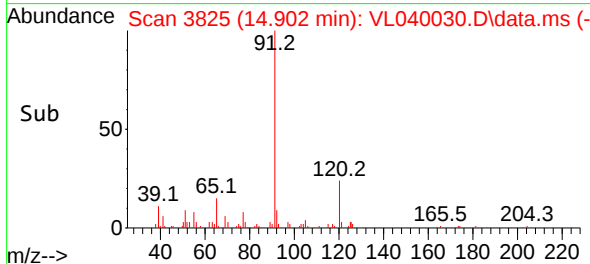
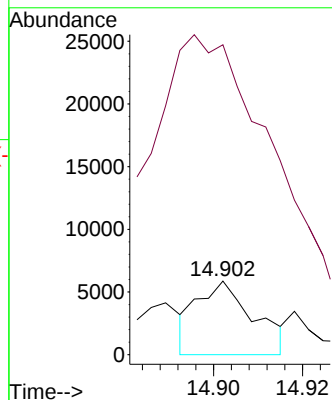
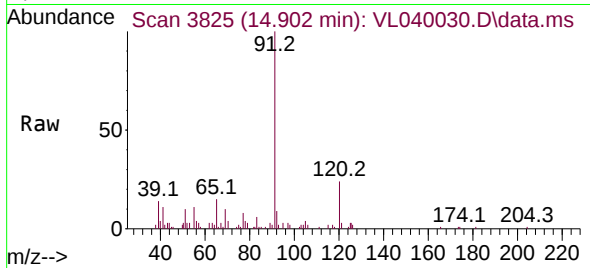




#64
n-propylbenzene
Concen: 0.054 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

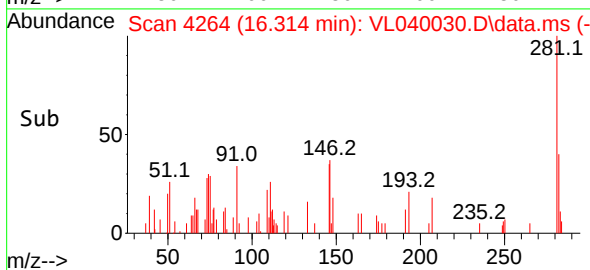
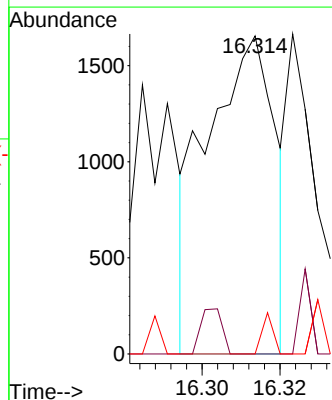
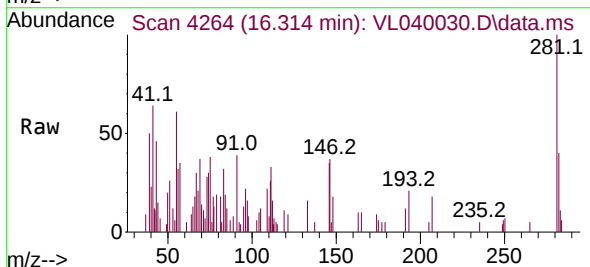
Instrument :
MSVOA_L
ClientSampleId :

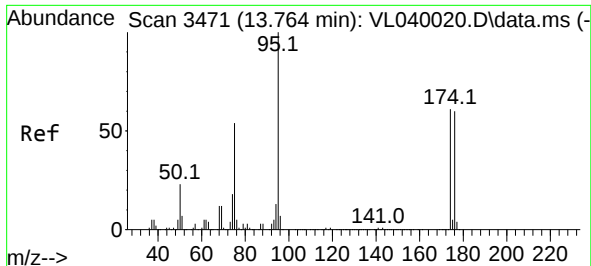
Tgt Ion:120 Resp: 5202
Ion Ratio Lower Upper
120 100
91 1219.4 384.3 576.5#



#66
Benzyl Chloride
Concen: 0.104 ppbv
RT: 16.314 min Scan# 4264
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 91 Resp: 2003
Ion Ratio Lower Upper
91 100
126 4.5 12.2 18.2#
128 0.0 4.2 6.2#

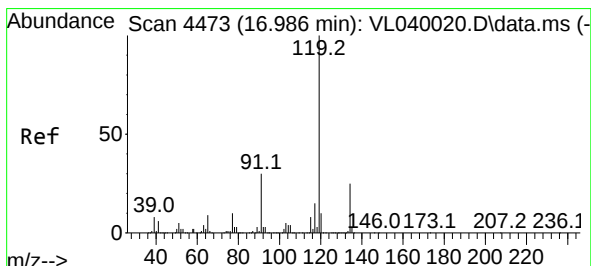
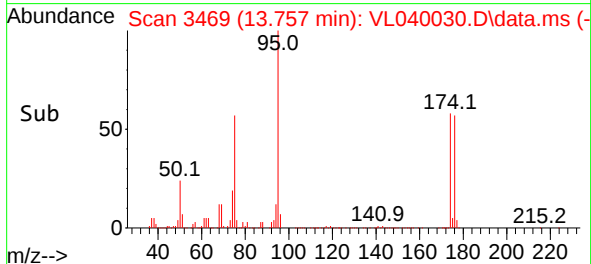
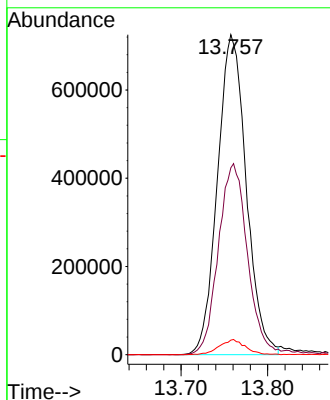
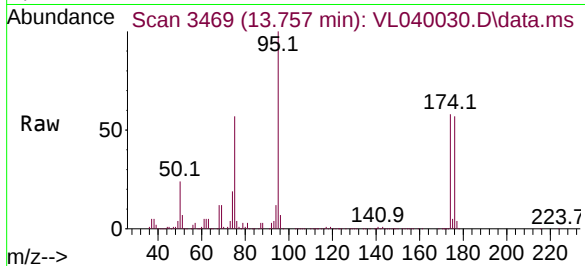




#68
1-Bromo-4-Fluorobenzene
Concen: 9.880 ppbv
RT: 13.757 min Scan# 3471
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

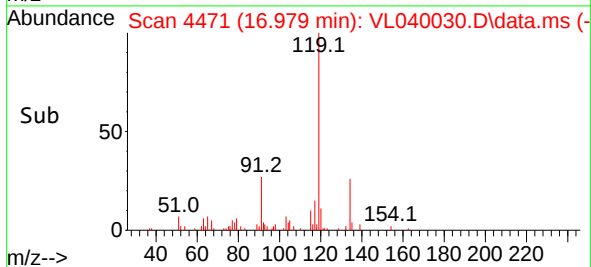
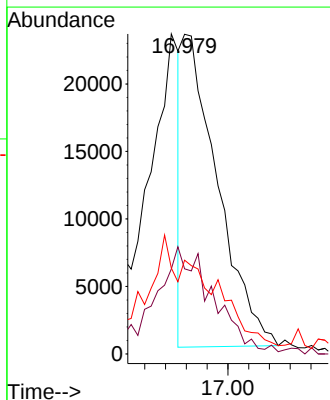
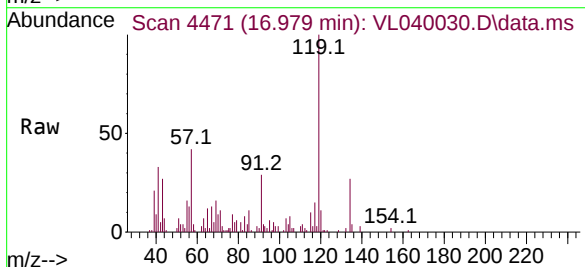
Instrument :
MSVOA_L
ClientSampleId :

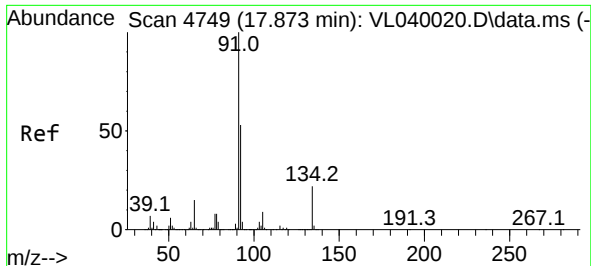
Tgt Ion: 95 Resp: 1674592
Ion Ratio Lower Upper
95 100
174 61.9 48.6 73.0
175 4.4 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.074 ppbv
RT: 16.979 min Scan# 4471
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 119 Resp: 27334
Ion Ratio Lower Upper
119 100
134 59.3 20.2 30.4#
91 0.0 24.2 36.4#

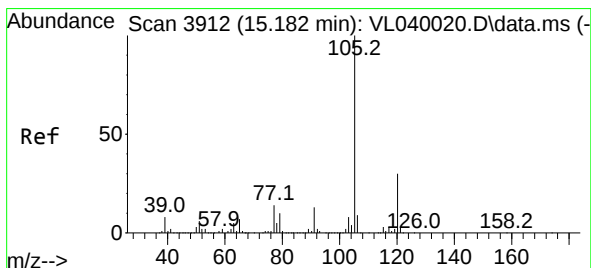
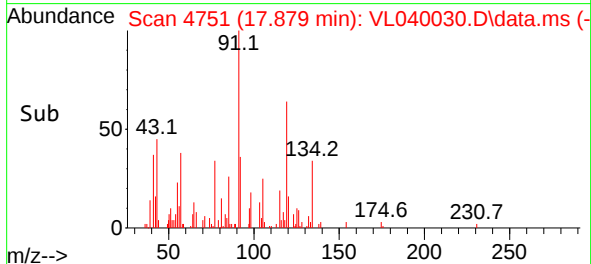
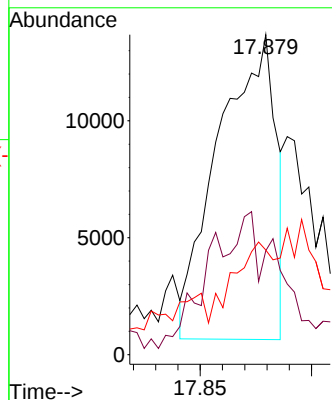
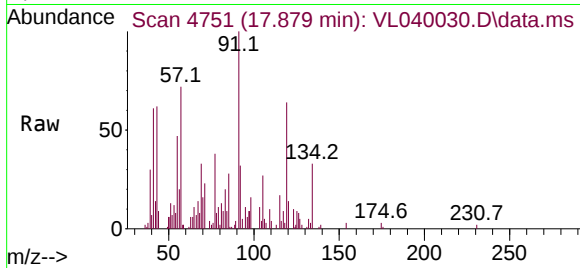




#70
n-Butylbenzene
Concen: 0.060 ppbv
RT: 17.879 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

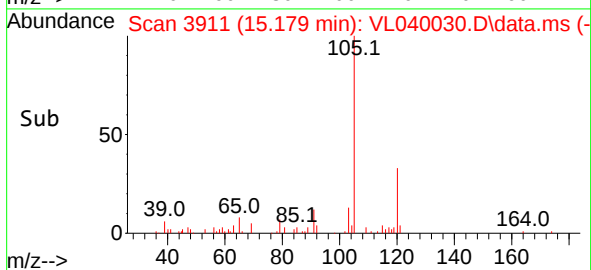
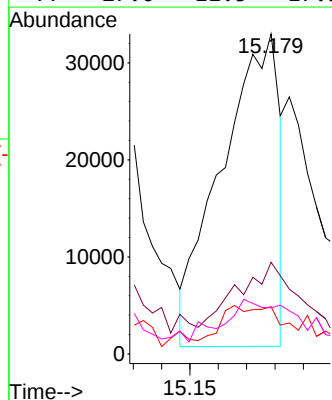
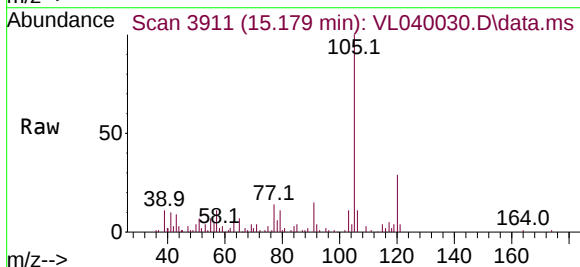
Instrument :
MSVOA_L
ClientSampleId :

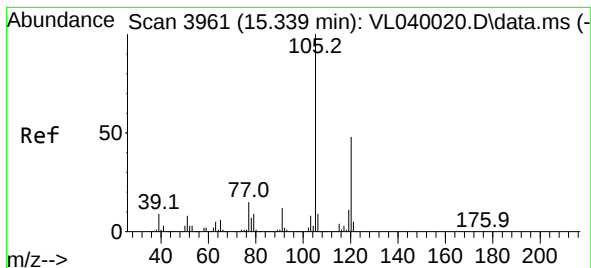
Tgt Ion: 91 Resp: 23250
Ion Ratio Lower Upper
91 100
92 68.6 43.2 64.8#
134 0.0 17.4 26.2#



#72
4-Ethyltoluene
Concen: 0.156 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion: 105 Resp: 45540
Ion Ratio Lower Upper
105 100
120 42.1 23.5 35.3#
91 27.7 10.5 15.7#
77 27.0 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.142 ppbv

RT: 15.330 min Scan# 3961

Delta R.T. -0.010 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

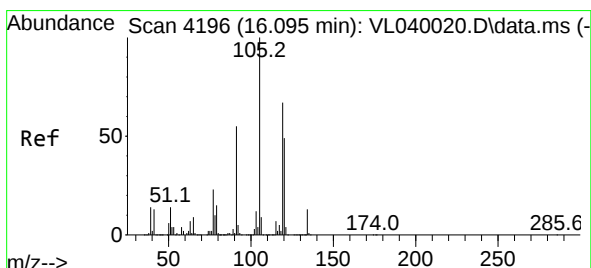
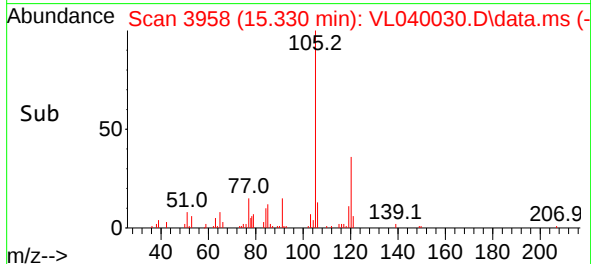
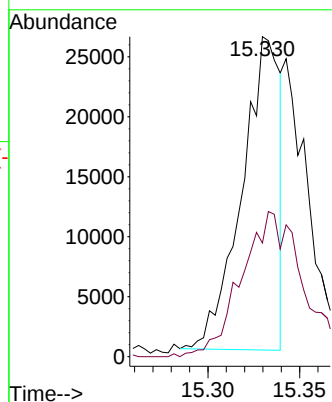
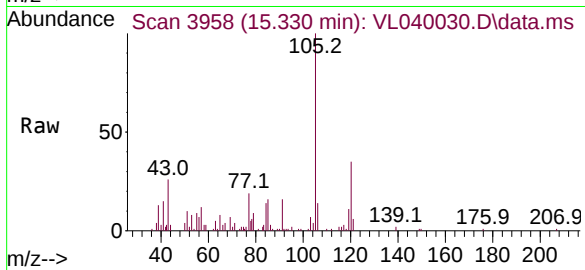
ClientSampleId :

Tgt Ion:105 Resp: 37497

Ion Ratio Lower Upper

105 100

120 36.4 38.4 57.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.857 ppbv

RT: 16.089 min Scan# 4194

Delta R.T. -0.006 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Tgt Ion:105 Resp: 248930

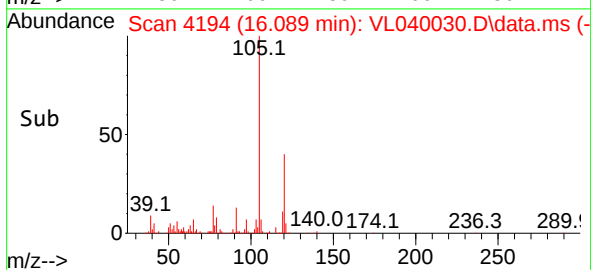
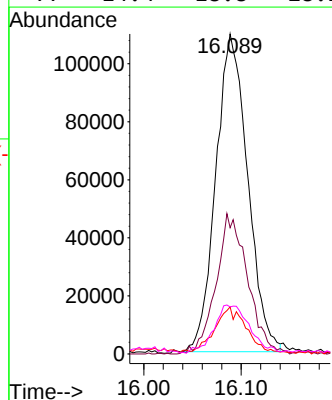
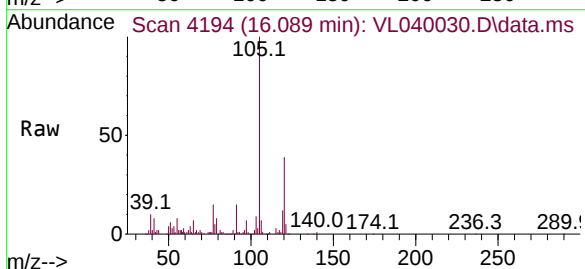
Ion Ratio Lower Upper

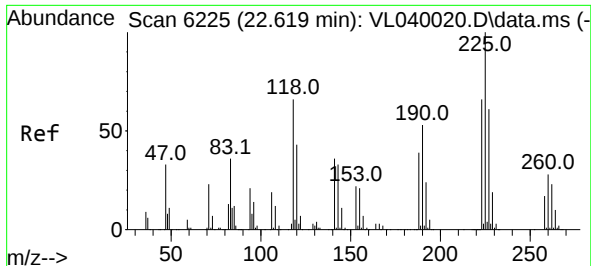
105 100

120 39.6 39.3 58.9

91 14.3 44.2 66.4#

77 14.4 18.8 28.2#

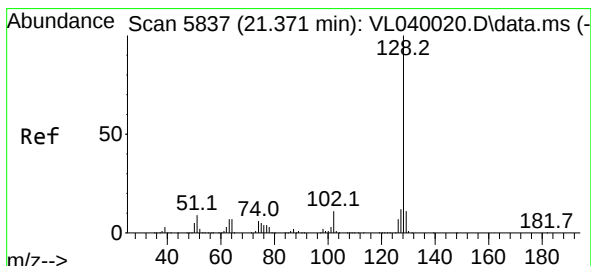
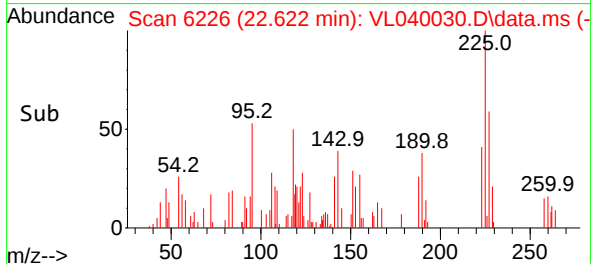
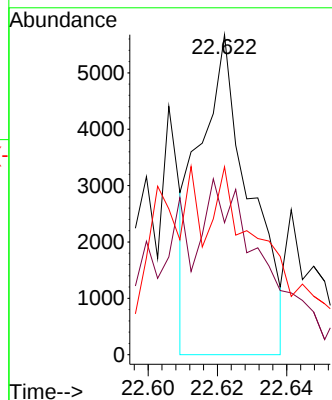
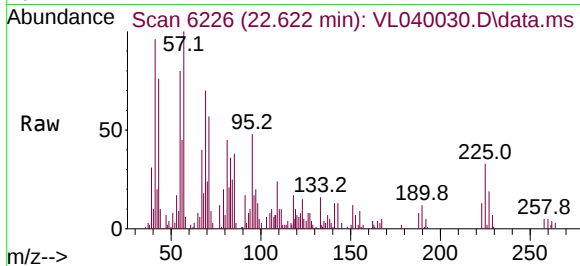




#78
Hexachloro-1,3-Butadiene
Concen: 0.055 ppbv
RT: 22.622 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

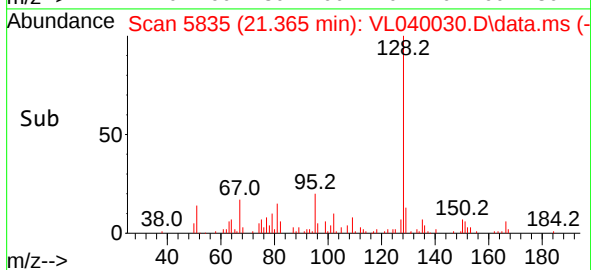
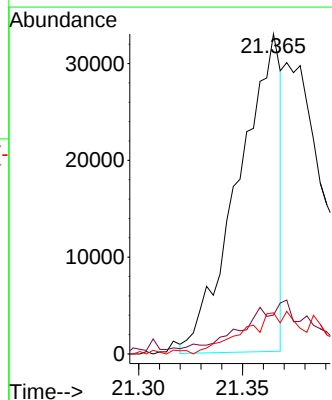
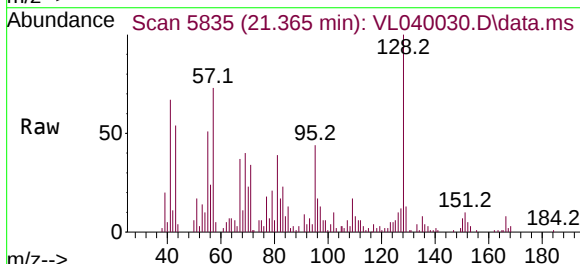
Instrument :
MSVOA_L
ClientSampleId :

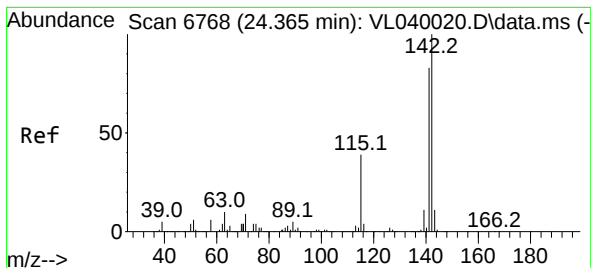
Tgt Ion:225 Resp: 5769
Ion Ratio Lower Upper
225 100
223 123.7 0.0 0.0#
227 151.0 0.0 0.0#



#79
Naphthalene
Concen: 0.269 ppbv
RT: 21.365 min Scan# 5835
Delta R.T. -0.006 min
Lab File: VL040030.D
Acq: 19 Dec 2022 16:11

Tgt Ion:128 Resp: 46544
Ion Ratio Lower Upper
128 100
127 10.8 10.0 15.0
129 12.3 8.8 13.2





#80

Naphthalene, 2-methyl-

Concen: 0.520 ppbv

RT: 24.361 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL040030.D

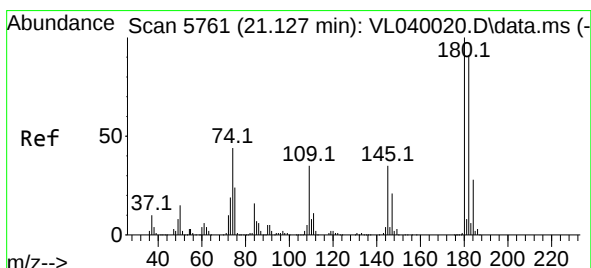
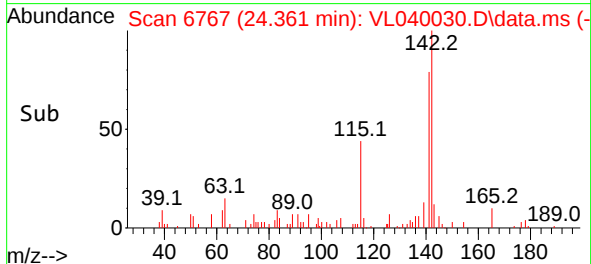
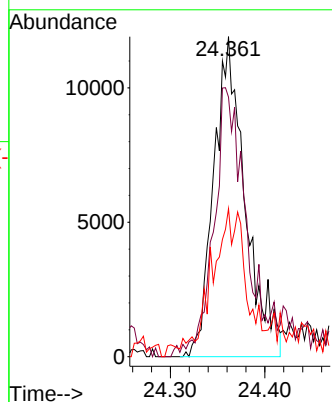
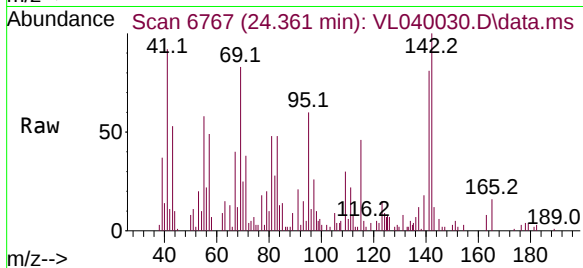
Acq: 19 Dec 2022 16:11

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	142	Resp:	27548
Ion Ratio	Lower	Upper	
142	100		
141	97.8	65.3	97.9
115	52.5	31.9	47.9#



#81

1,2,4-Trichlorobenzene

Concen: 0.054 ppbv

RT: 21.120 min Scan# 5759

Delta R.T. -0.006 min

Lab File: VL040030.D

Acq: 19 Dec 2022 16:11

Tgt Ion:	180	Resp:	5514
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.6	115.0#
184	0.0	24.9	37.3#

