

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039876.D
 Acq On : 10 Nov 2022 23:13
 Operator : SY/AP
 Sample : N5584-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 05:03:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	836172	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	1760782	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.459	117	1580708	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1324182	11.192	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.900%

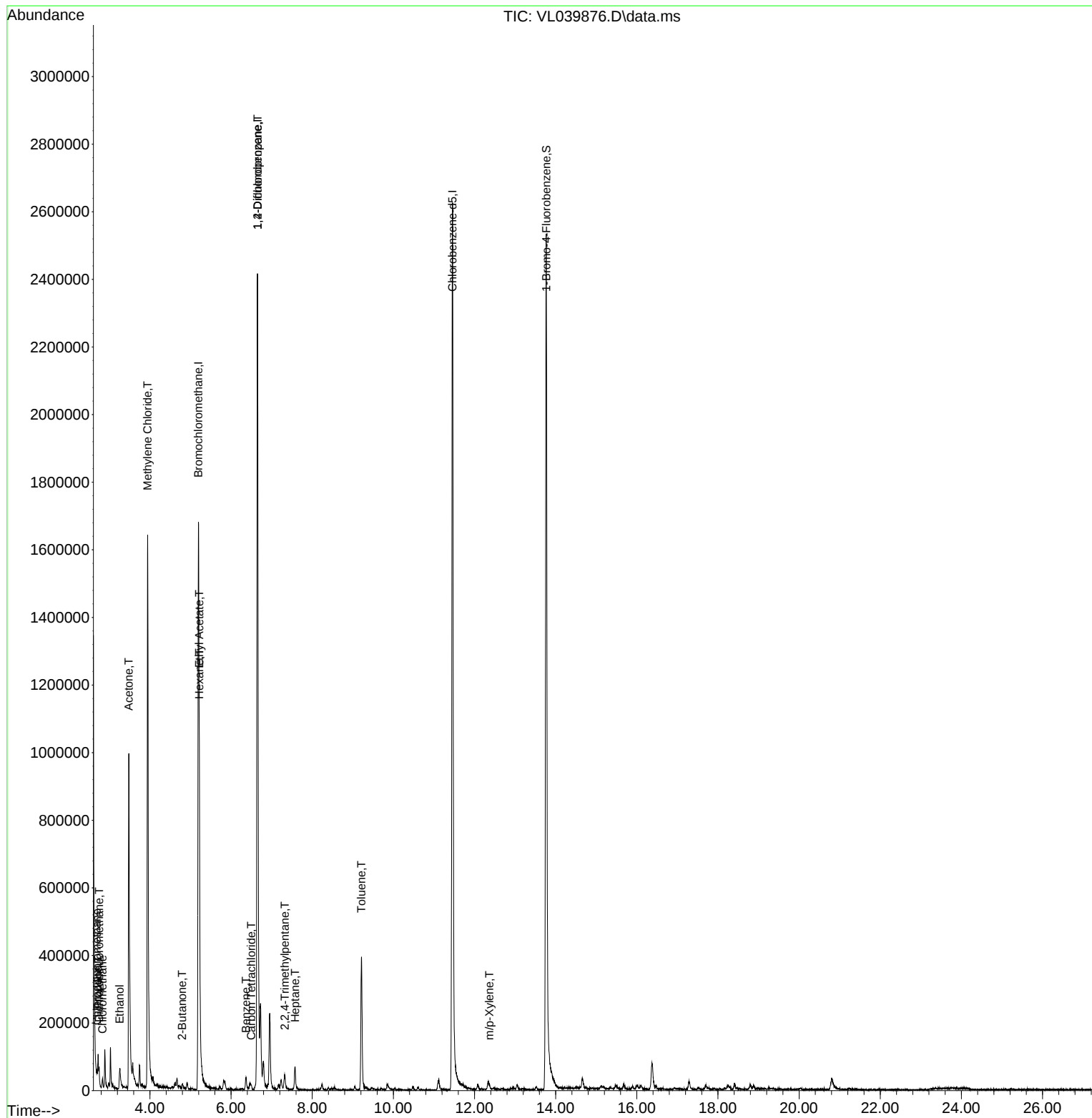
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	33106	0.235	ppbv	98
3) Chlorodifluoromethane	2.690	51	47455	0.476	ppbv	92
4) Chloromethane	2.832	50	24462	0.394	ppbv	92
9) Propene	2.723	41	21153	0.407	ppbv	88
10) Heptane	7.578	43	22807	0.183	ppbv	# 74
13) Ethanol	3.256	45	72894	19.858	ppbv	98
15) Acetone	3.478	43	1170157	11.497	ppbv	97
20) Methylene Chloride	3.944	84	607210	16.676	ppbv	92
25) Ethyl Acetate	5.214	43	180899	0.863	ppbv	# 77
26) Hexane	5.218	57	250135	2.676	ppbv	# 39
34) 2-Butanone	4.793	43	2797	0.039	ppbv	# 54
35) Carbon Tetrachloride	6.494	117	3182	0.031	ppbv	# 26
36) Benzene	6.369	78	16231	0.109	ppbv	96
39) 1,2-Dichloropropane	6.652	63	522333	9.026	ppbv	# 27
44) 2,2,4-Trimethylpentane	7.327	57	10938	0.044	ppbv	# 1
53) Toluene	9.214	91	301056	1.767	ppbv	99
59) m/p-Xylene	12.365	91	6423	0.036	ppbv	# 30

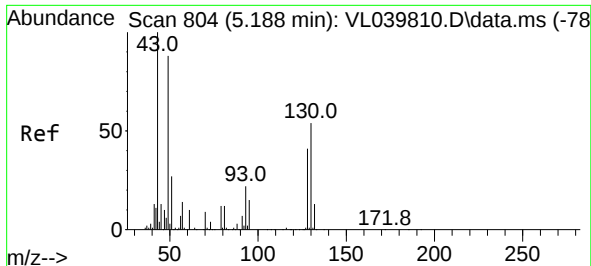
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 03 09:27:12 2022
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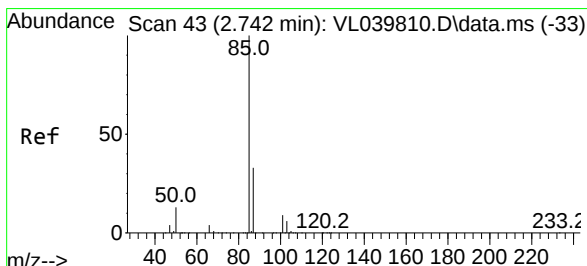
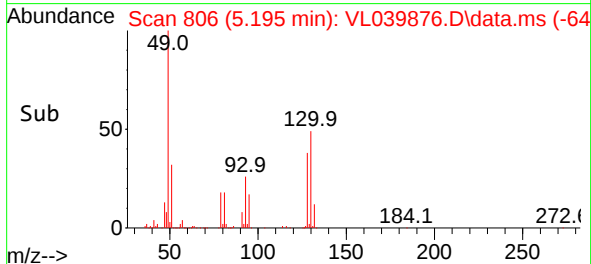
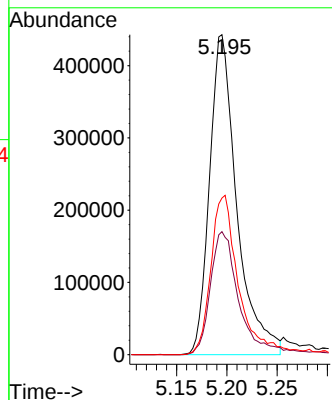
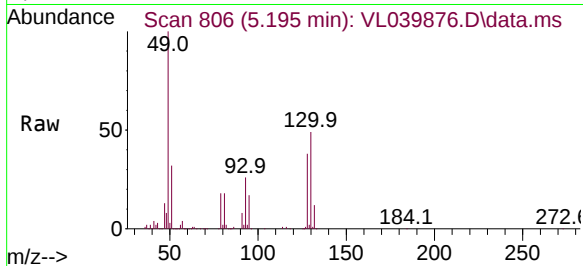




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.007 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13

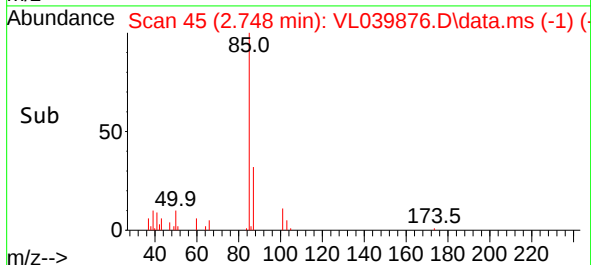
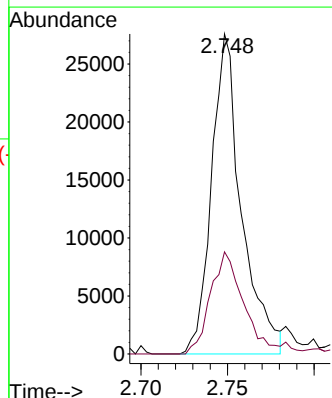
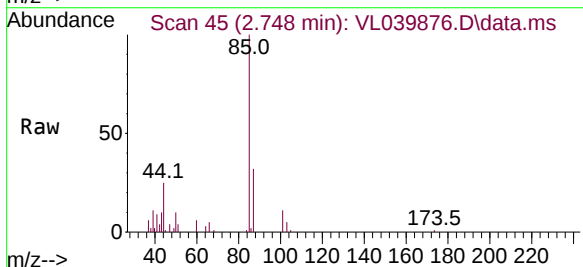
Instrument :
 MSVOA_L
 ClientSampleId :

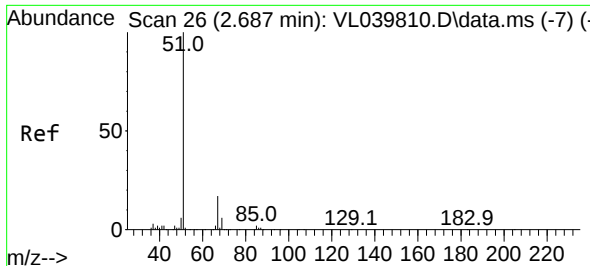
Tgt Ion: 49 Resp: 836172
 Ion Ratio Lower Upper
 49 100
 128 41.3 24.6 73.6
 130 52.5 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 0.235 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.007 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13

Tgt Ion: 85 Resp: 33106
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.4 39.6

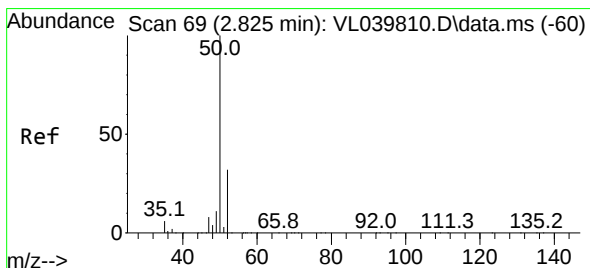
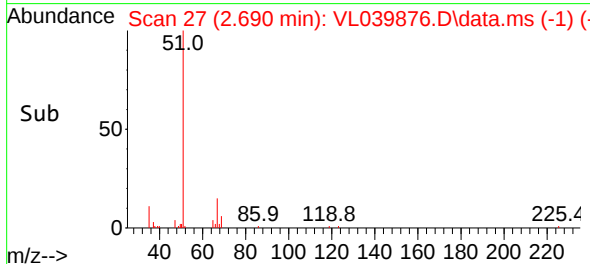
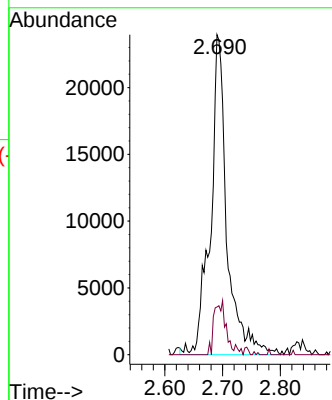
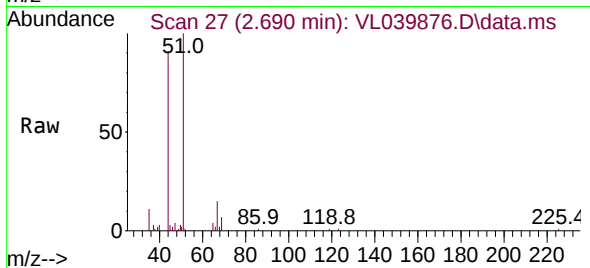




#3
Chlorodifluoromethane
Concen: 0.476 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

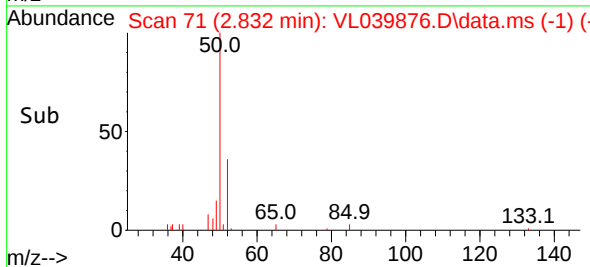
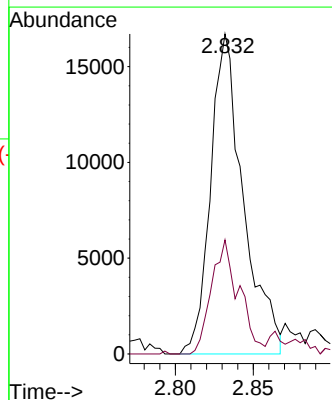
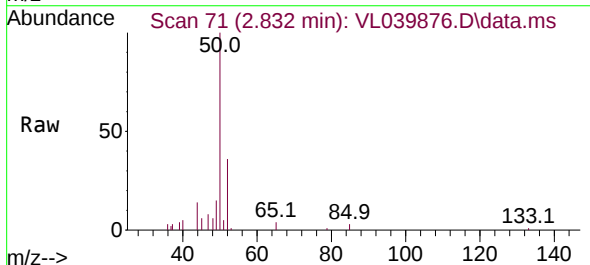
Instrument :
MSVOA_L
ClientSampleId :

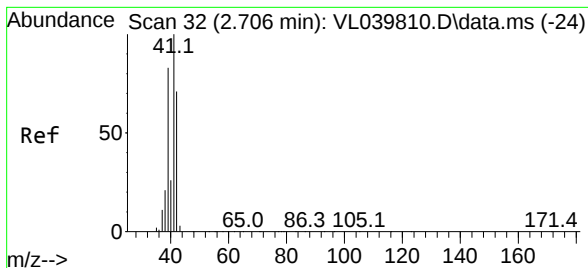
Tgt Ion: 51 Resp: 47455
Ion Ratio Lower Upper
51 100
67 13.2 13.2 19.8



#4
Chloromethane
Concen: 0.394 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 50 Resp: 24462
Ion Ratio Lower Upper
50 100
52 36.2 25.5 38.3





#9

Propene

Concen: 0.407 ppbv

RT: 2.723 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL039876.D

Acq: 10 Nov 2022 23:13

Instrument :

MSVOA_L

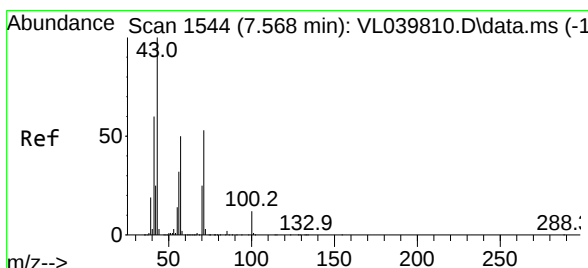
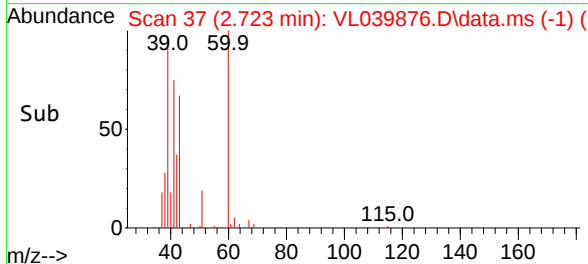
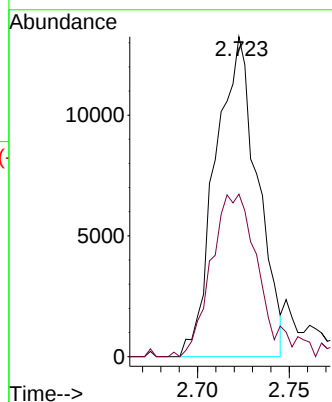
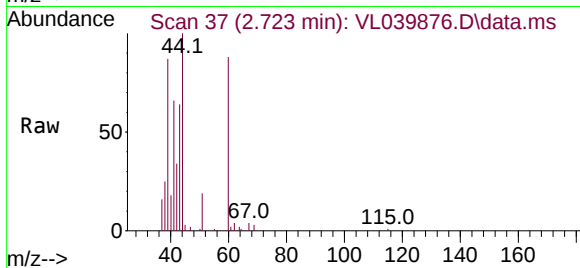
ClientSampleId :

Tgt Ion: 41 Resp: 21153

Ion Ratio Lower Upper

41 100

42 60.7 56.3 84.5



#10

Heptane

Concen: 0.183 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.010 min

Lab File: VL039876.D

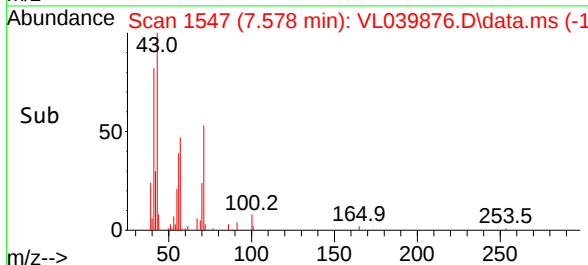
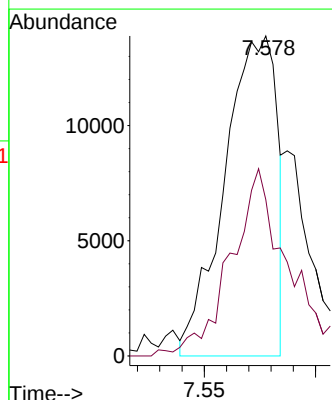
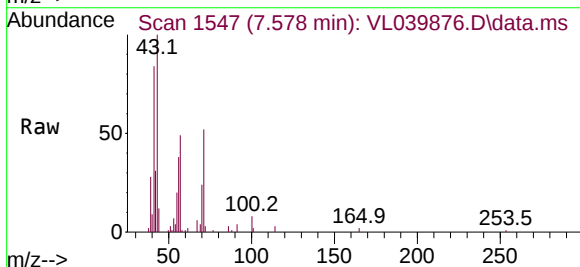
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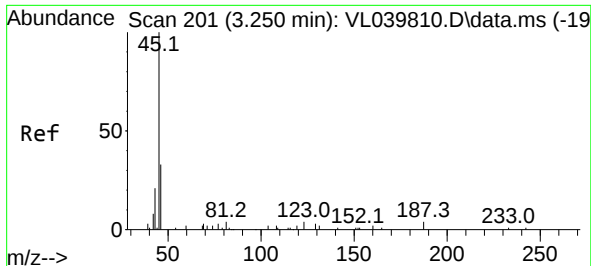
Tgt Ion: 43 Resp: 22807

Ion Ratio Lower Upper

43 100

57 68.6 40.5 60.7#

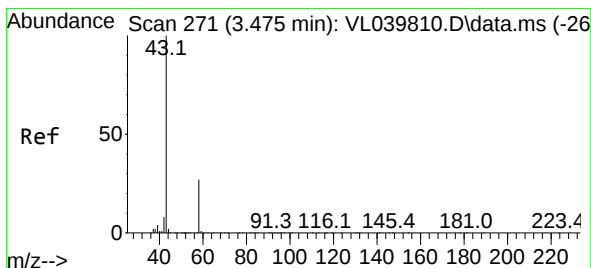
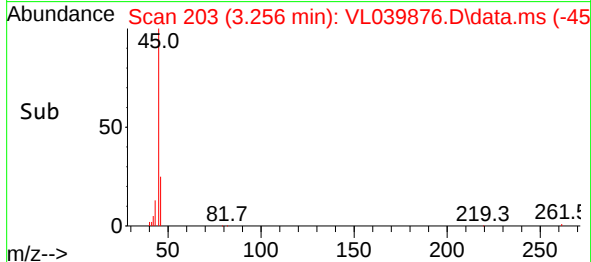
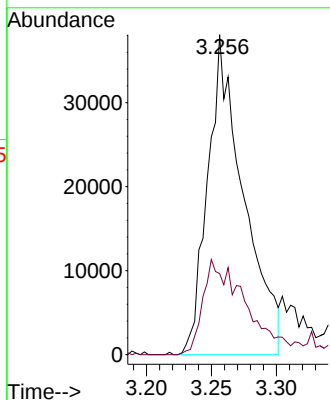
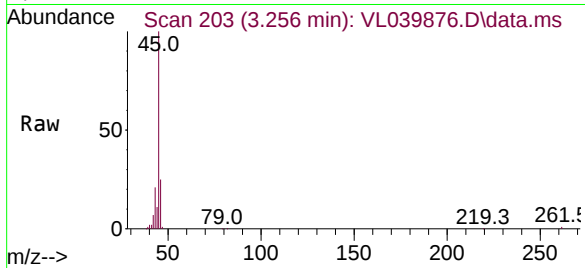




#13
Ethanol
Concen: 19.858 ppbv
RT: 3.256 min Scan# 201
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

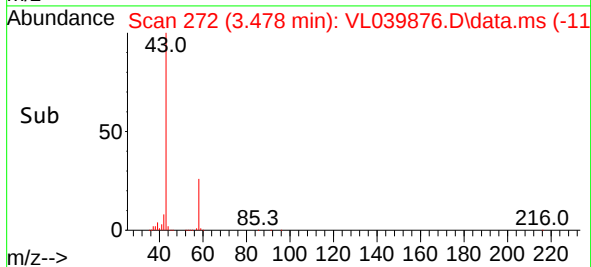
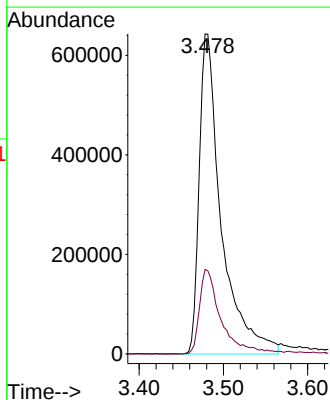
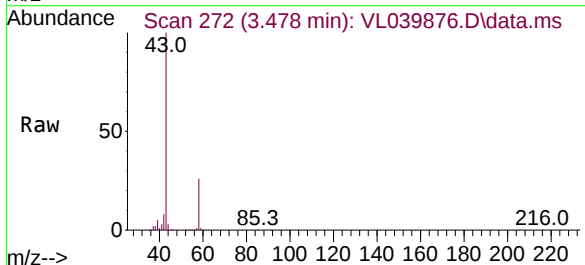
Instrument :
MSVOA_L
ClientSampleId :

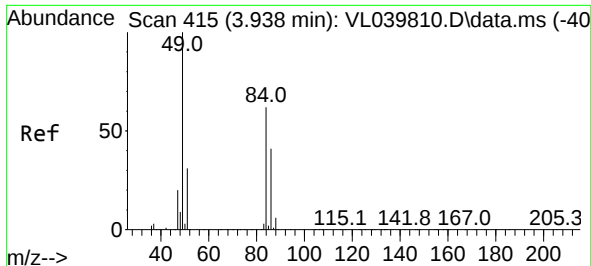
Tgt Ion: 45 Resp: 72894
Ion Ratio Lower Upper
45 100
46 40.2 16.5 65.9



#15
Acetone
Concen: 11.497 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.003 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

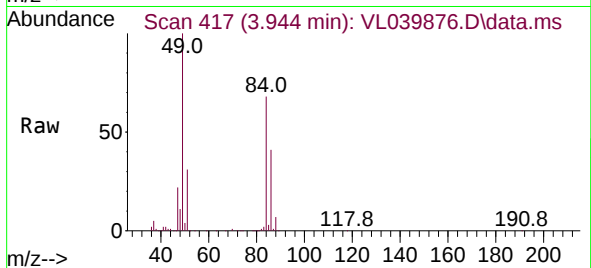
Tgt Ion: 43 Resp: 1170157
Ion Ratio Lower Upper
43 100
58 27.2 23.2 34.8





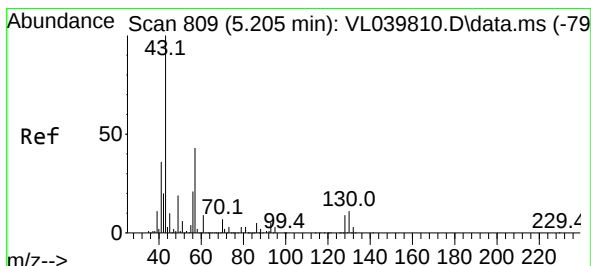
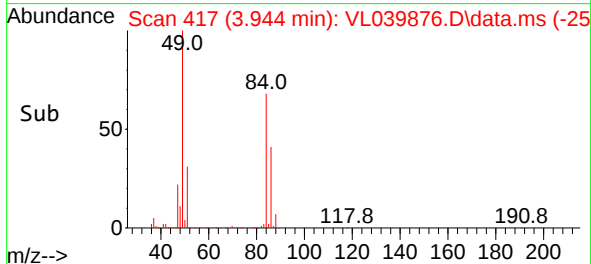
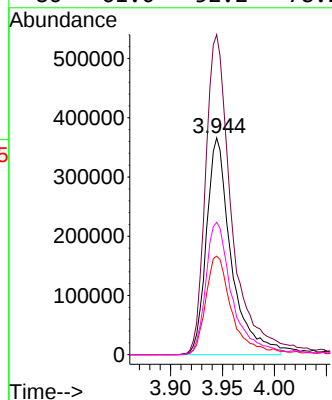
#20
Methylene Chloride
Concen: 16.676 ppbv
RT: 3.944 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 607210

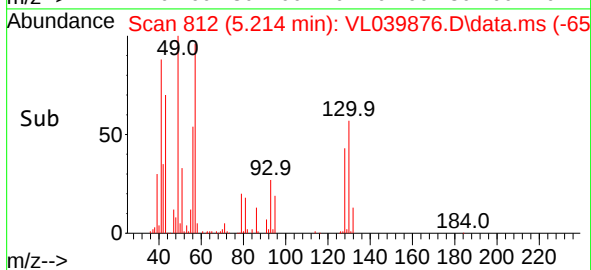
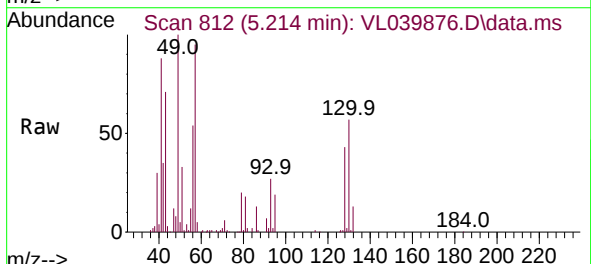
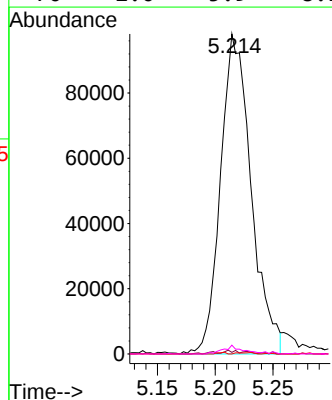
Ion	Ratio	Lower	Upper
84	100		
49	147.5	128.6	192.8
51	45.4	40.2	60.4
86	61.0	52.2	78.2

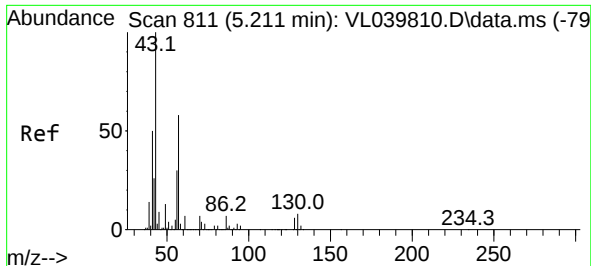


#25
Ethyl Acetate
Concen: 0.863 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 43 Resp: 180899

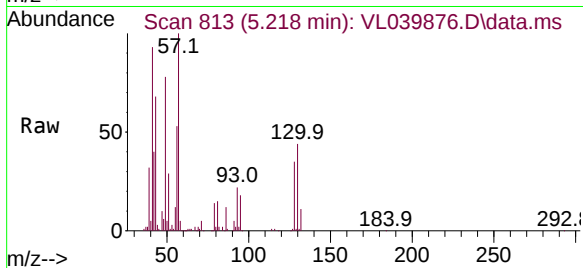
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.2#
61	0.4	8.1	12.1#
70	2.0	5.9	8.9#



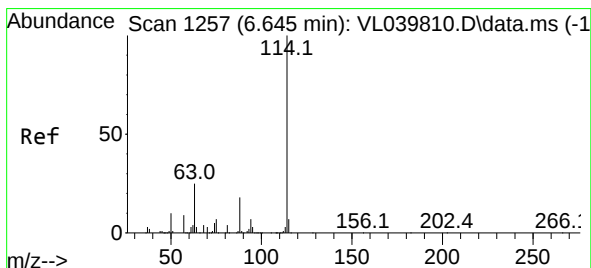
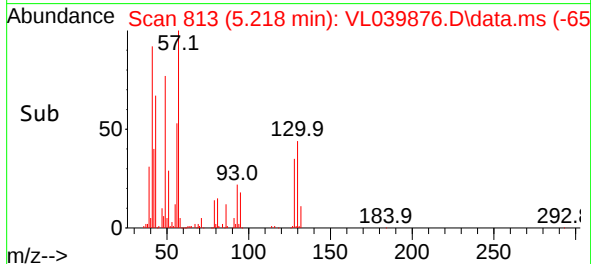
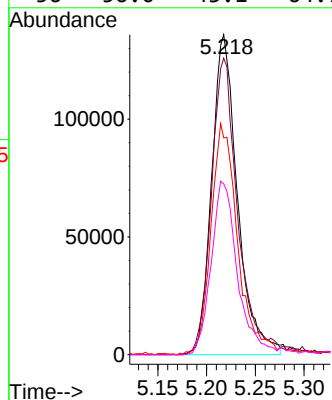


#26
Hexane
Concen: 2.676 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Instrument :
MSVOA_L
ClientSampleId :

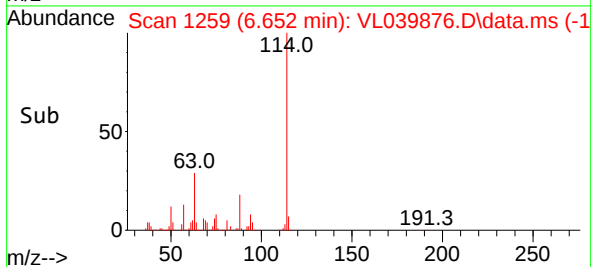
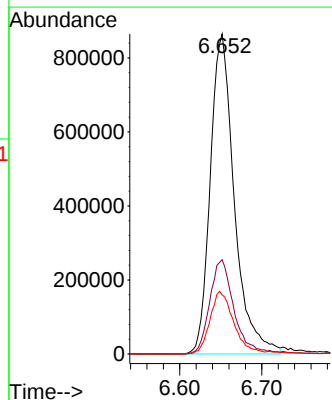
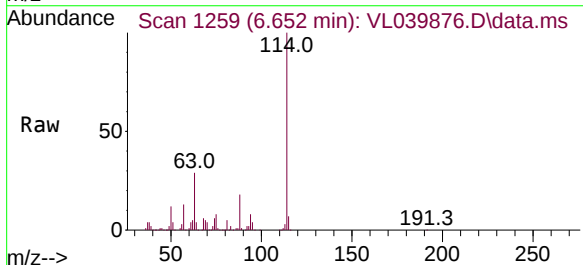


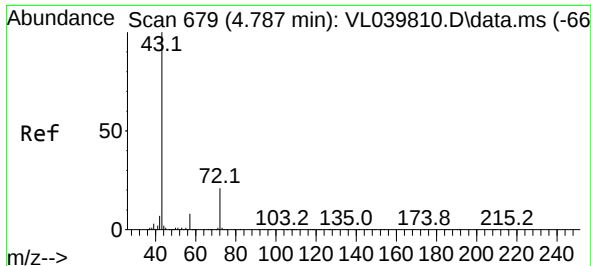
Tgt Ion: 57 Resp: 250135
Ion Ratio Lower Upper
57 100
41 98.1 73.7 110.5
43 76.1 189.8 284.8#
56 56.0 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 114 Resp: 1760782
Ion Ratio Lower Upper
114 100
63 30.2 19.8 29.6#
88 20.1 14.4 21.6

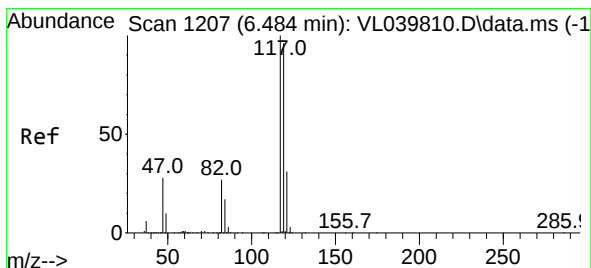
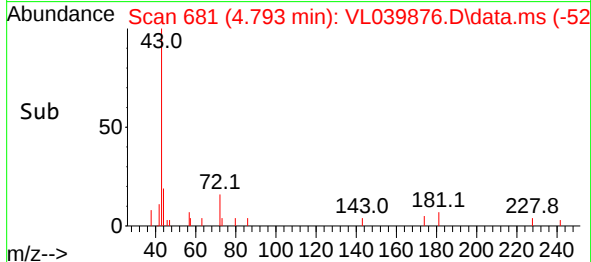
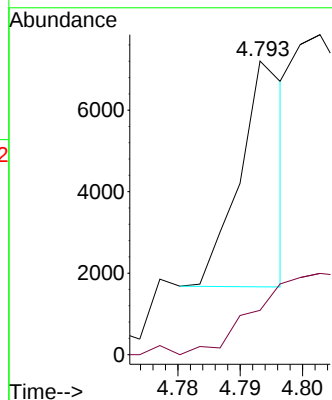
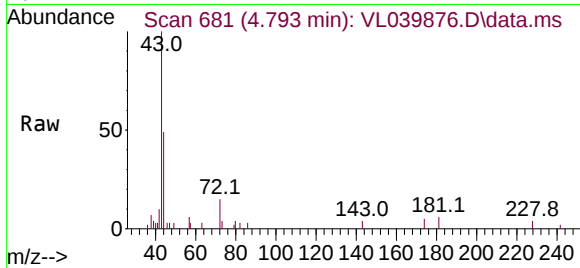




#34
2-Butanone
Concen: 0.039 ppbv
RT: 4.793 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

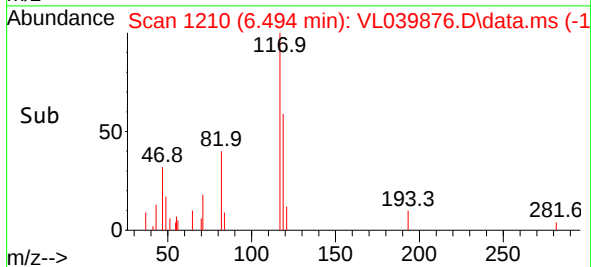
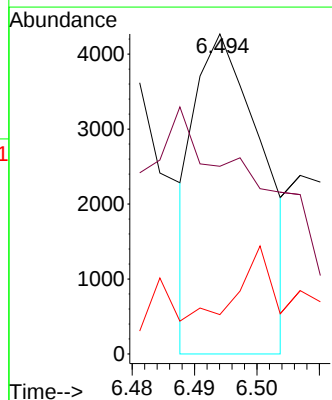
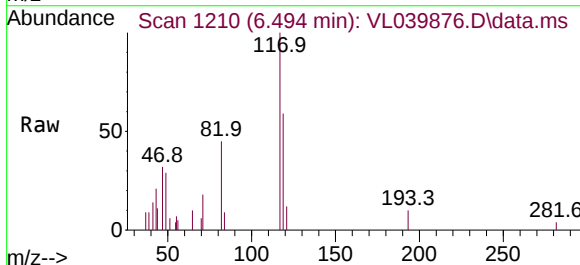
Instrument :
MSVOA_L
ClientSampleId :

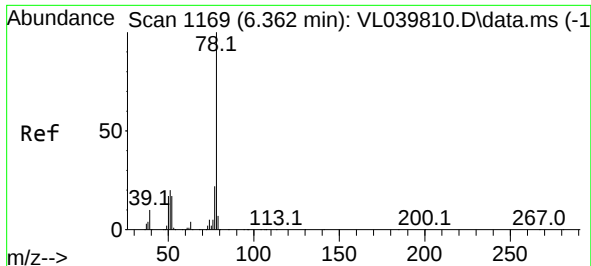
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#



#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. 0.010 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 117 Resp: 3182
Ion Ratio Lower Upper
117 100
119 15.8 76.5 114.7#
121 4.1 25.2 37.8#

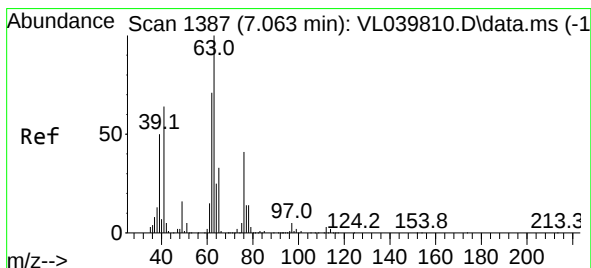
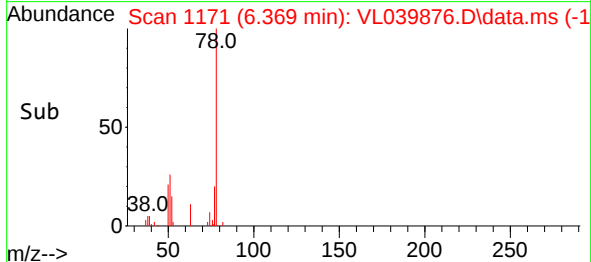
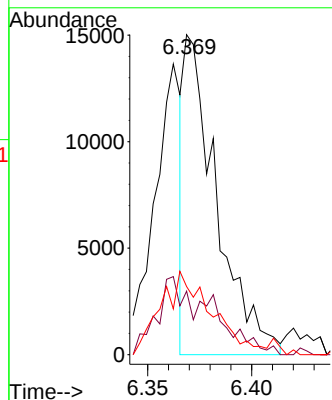
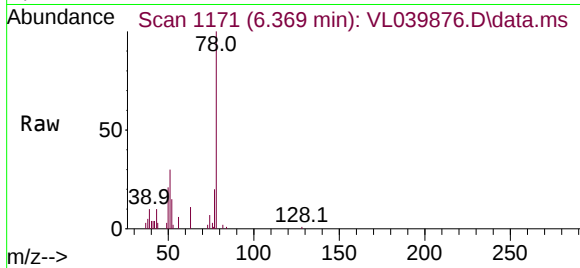




#36
Benzene
Concen: 0.109 ppbv
RT: 6.369 min Scan# 1169
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

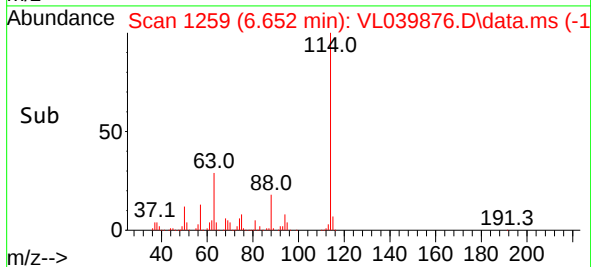
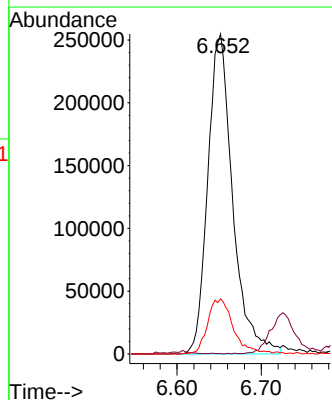
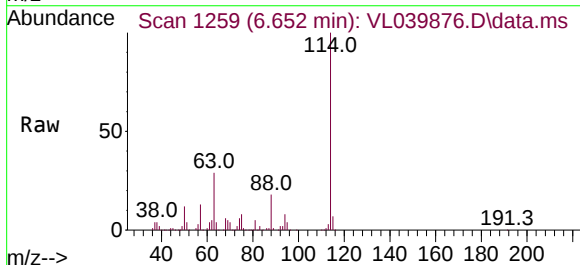
Instrument :
MSVOA_L
ClientSampleId :

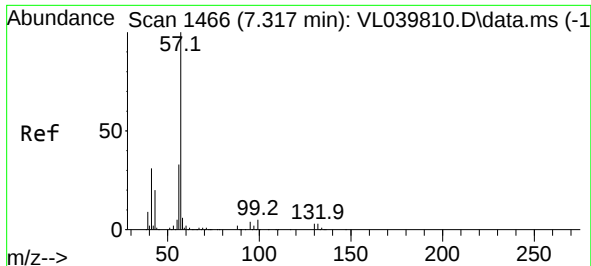
Tgt Ion: 78 Resp: 16231
Ion Ratio Lower Upper
78 100
77 20.6 17.4 26.2
50 19.6 13.9 20.9



#39
1,2-Dichloropropane
Concen: 9.026 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.411 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 63 Resp: 522333
Ion Ratio Lower Upper
63 100
41 0.0 51.0 76.4#
62 17.2 56.6 85.0#

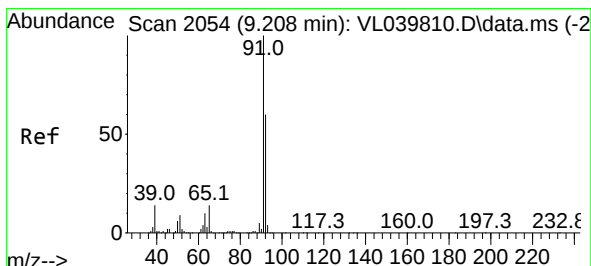
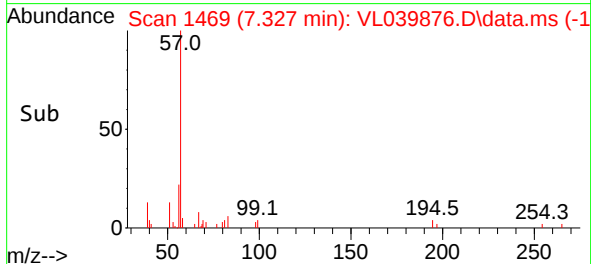
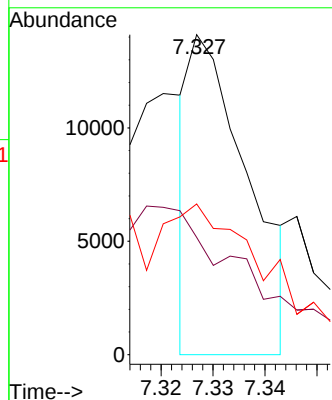
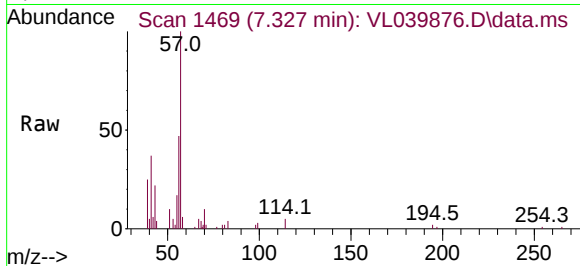




#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

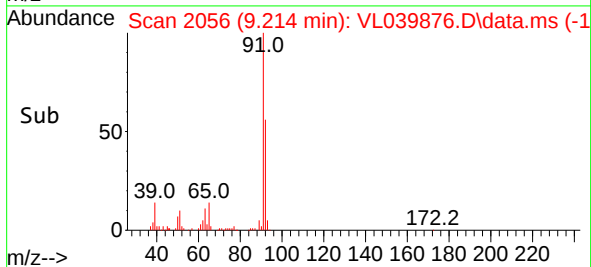
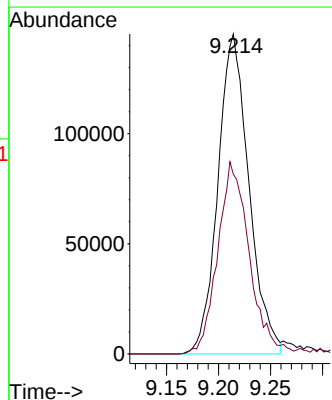
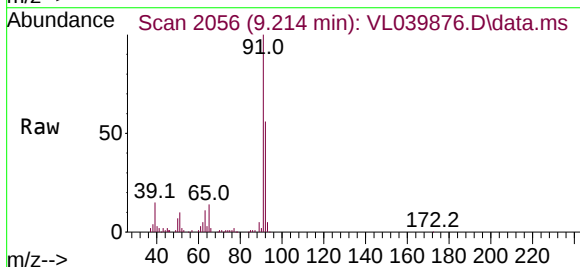
Instrument :
MSVOA_L
ClientSampleId :

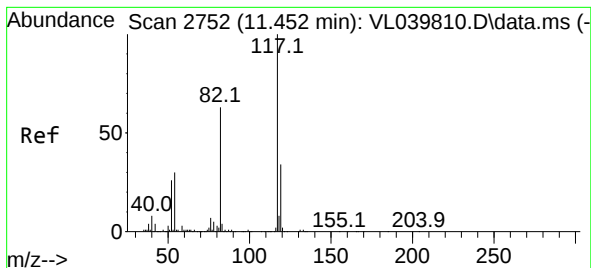
Tgt Ion: 57 Resp: 10938
Ion Ratio Lower Upper
57 100
41 0.0 24.6 36.8#
56 146.9 25.4 38.0#



#53
Toluene
Concen: 1.767 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

Tgt Ion: 91 Resp: 301056
Ion Ratio Lower Upper
91 100
92 61.6 49.6 74.4

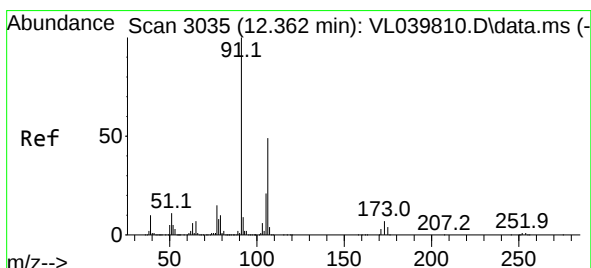
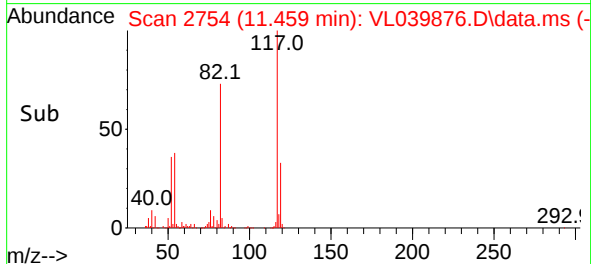
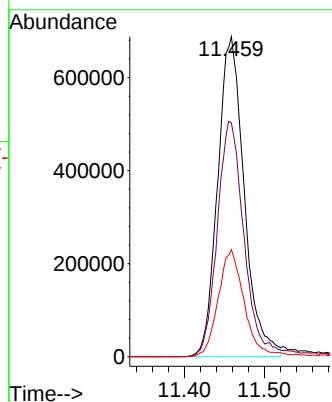
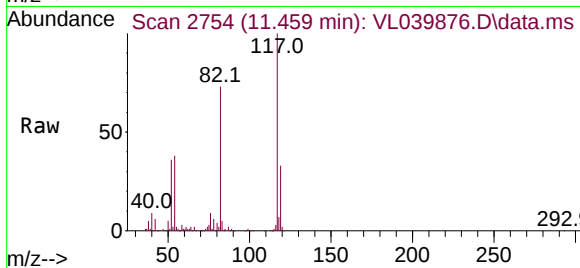




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

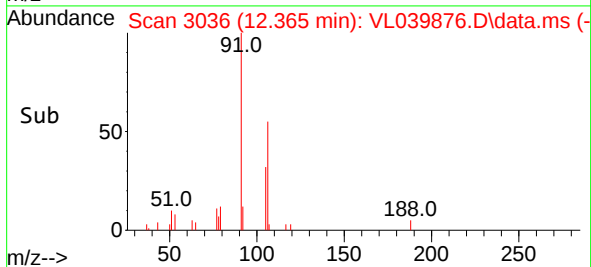
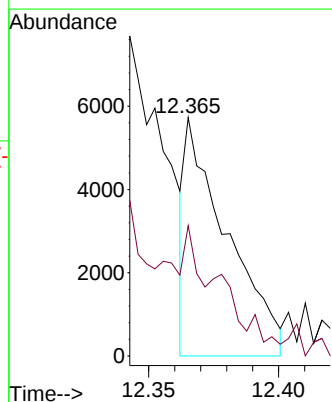
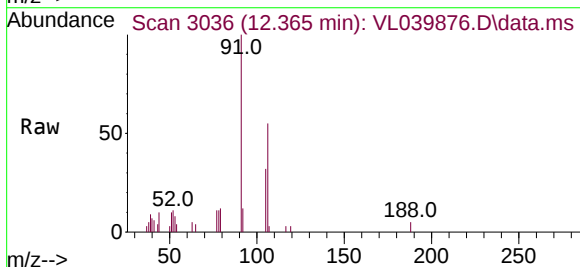
Instrument :
MSVOA_L
ClientSampleId :

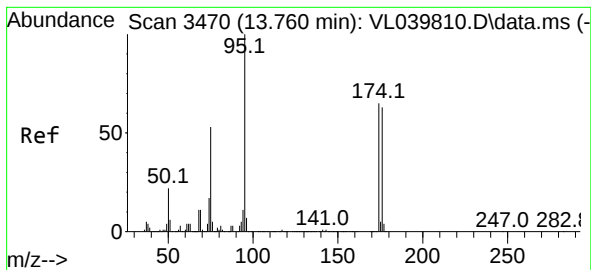
Tgt Ion:117 Resp: 1580708
Ion Ratio Lower Upper
117 100
82 77.5 51.0 76.6#
119 33.8 24.7 37.1



#59
m/p-Xylene
Concen: 0.036 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. 0.003 min
Lab File: VL039876.D
Acq: 10 Nov 2022 23:13

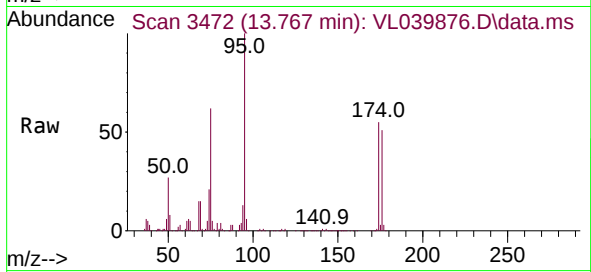
Tgt Ion: 91 Resp: 6423
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.192 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. 0.007 min
 Lab File: VL039876.D
 Acq: 10 Nov 2022 23:13

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1324182

Ion	Ratio	Lower	Upper
95	100		
174	56.2	53.4	80.0
175	4.0	4.1	6.1

