

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039706.D
 Acq On : 10 Oct 2022 22:15
 Operator : SY/AP
 Sample : N5065-01 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Oct 11 07:22:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1050229	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2807796	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	2458745	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1872723	10.203	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

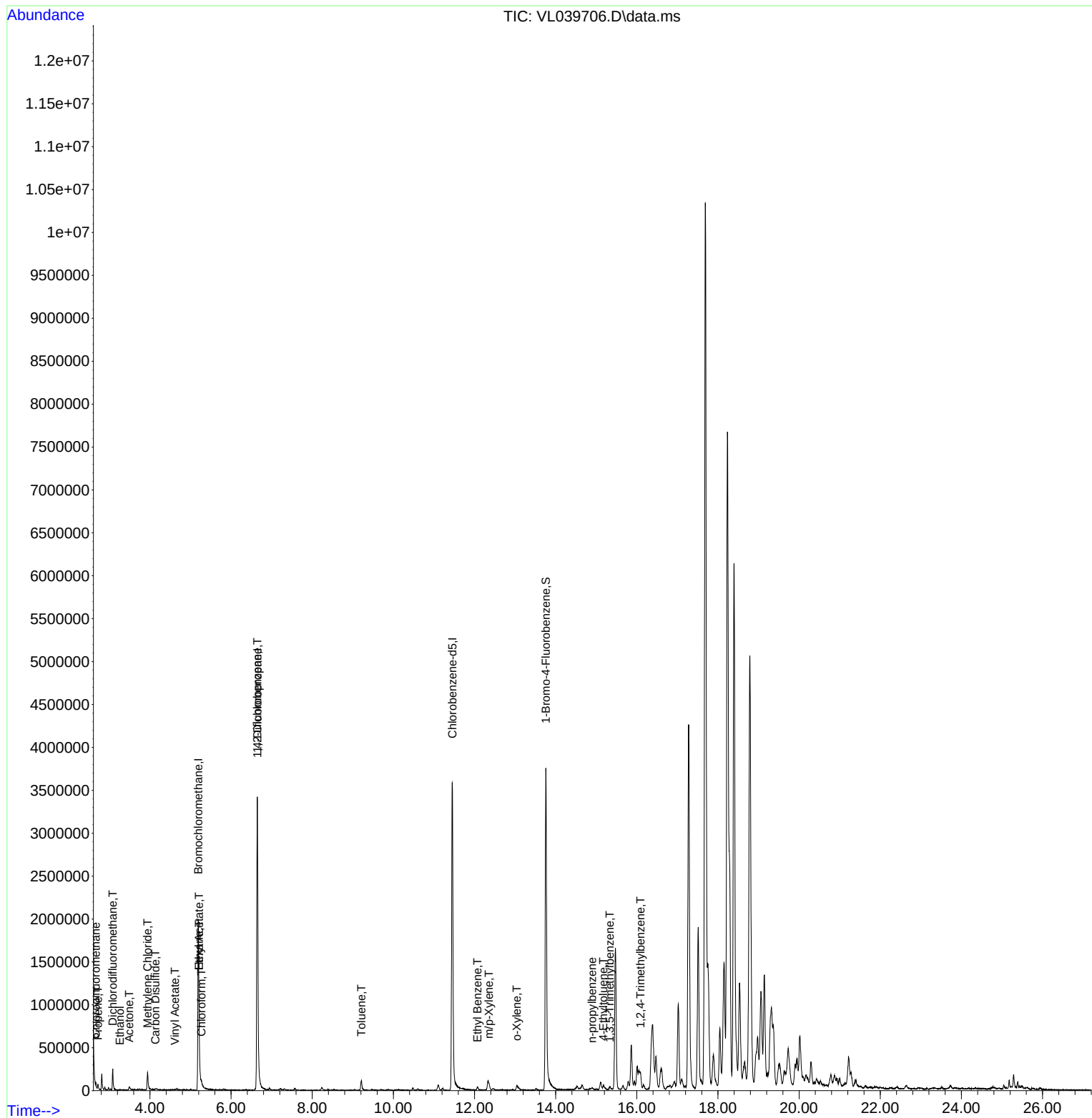
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.086	85	10546	0.087	ppbv	94
3) Chlorodifluoromethane	2.668	51	28203	0.226	ppbv #	65
9) Propene	2.719	41	14910	0.262	ppbv	83
13) Ethanol	3.259	45	2244	0.517	ppbv #	50
15) Acetone	3.491	43	33429	0.286	ppbv #	77
20) Methylene Chloride	3.941	84	70863	1.312	ppbv	95
23) Vinyl Acetate	4.619	43	1609	0.030	ppbv #	17
25) Ethyl Acetate	5.211	43	43911	0.172	ppbv #	79
26) Hexane	5.211	57	59288	0.548	ppbv #	41
27) Carbon Disulfide	4.134	76	6906	0.061	ppbv #	1
29) Chloroform	5.272	83	19444	0.125	ppbv	88
39) 1,2-Dichloropropane	6.645	63	674076	8.132	ppbv #	24
53) Toluene	9.214	91	84410	0.354	ppbv	99
58) Ethyl Benzene	12.073	91	29207	0.103	ppbv	97
59) m/p-Xylene	12.355	91	36480	0.145	ppbv #	32
60) o-Xylene	13.044	91	37784	0.157	ppbv	97
64) n-propylbenzene	14.896	120	3267	0.035	ppbv #	10
72) 4-Ethyltoluene	15.175	105	8699	0.032	ppbv #	32
73) 1,3,5-Trimethylbenzene	15.336	105	14828	0.059	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.088	105	72919	0.258	ppbv #	67

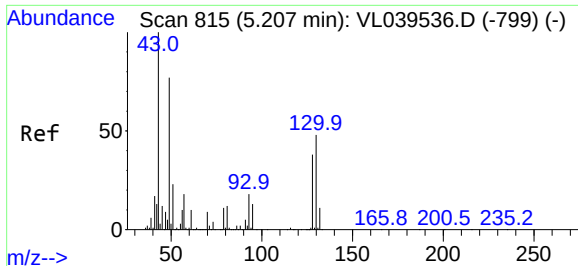
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
Data File : VL039706.D
Acq On : 10 Oct 2022 22:15
Operator : SY/AP
Sample : N5065-01 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Oct 11 07:22:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

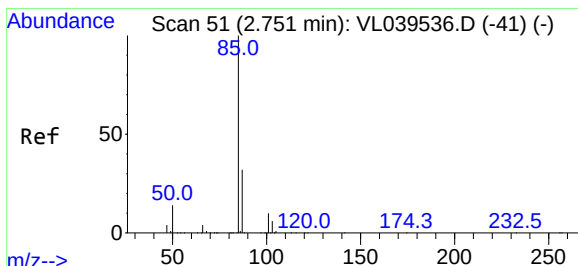
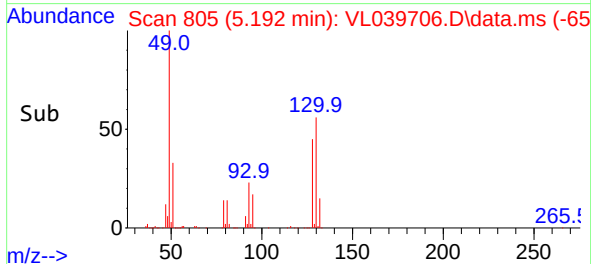
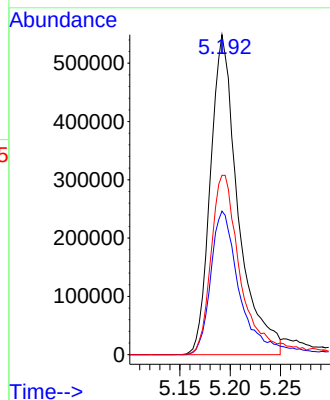
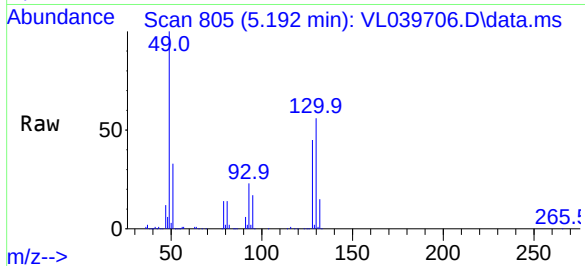




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.015 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

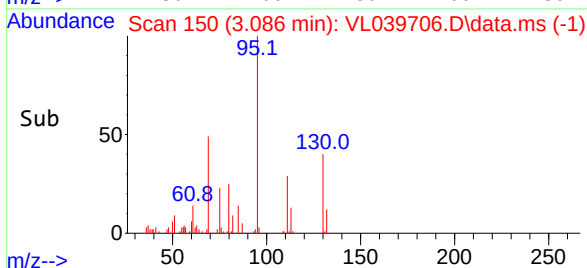
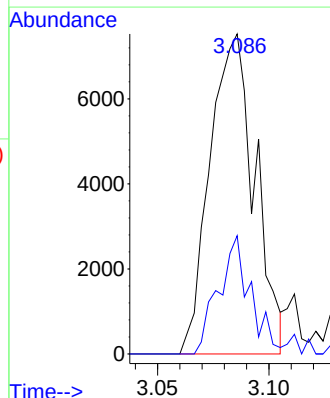
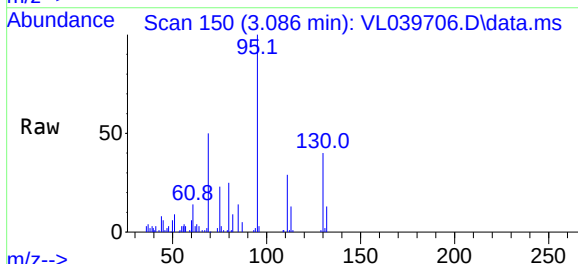
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

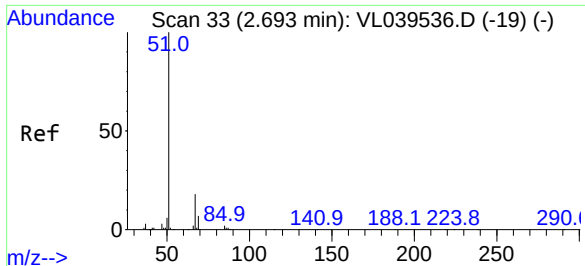
Tgt Ion: 49 Resp: 1050229
 Ion Ratio Lower Upper
 49 100
 128 49.4 26.7 80.0
 130 64.3 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.087 ppbv
 RT: 3.086 min Scan# 150
 Delta R.T. 0.335 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

Tgt Ion: 85 Resp: 10546
 Ion Ratio Lower Upper
 85 100
 87 36.9 26.7 40.1





#3
 Chlorodifluoromethane
 Concen: 0.226 ppbv
 RT: 2.668 min Scan# 20
 Delta R.T. -0.025 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

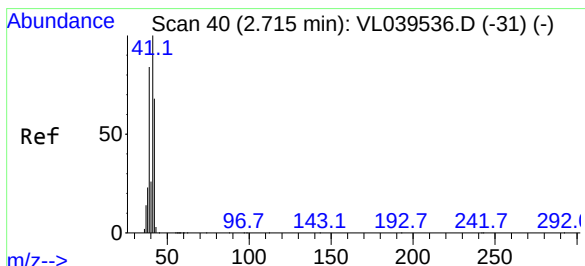
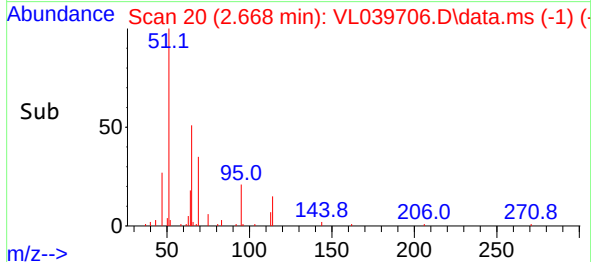
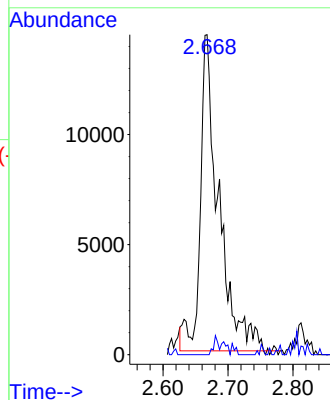
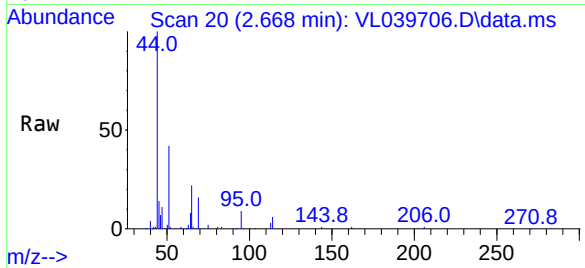
Instrument :

MSVOA_L

ClientSampleId :

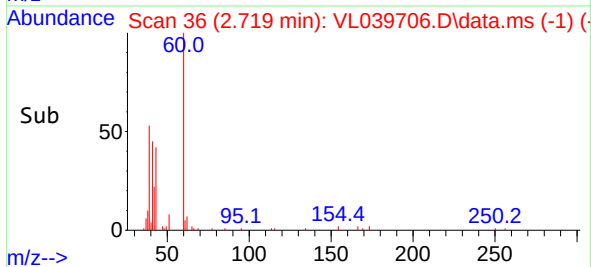
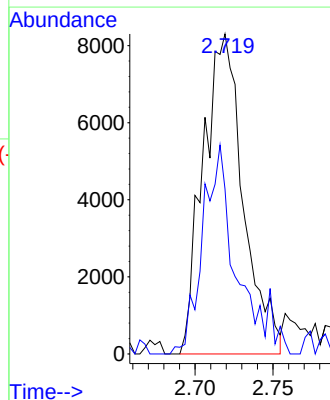
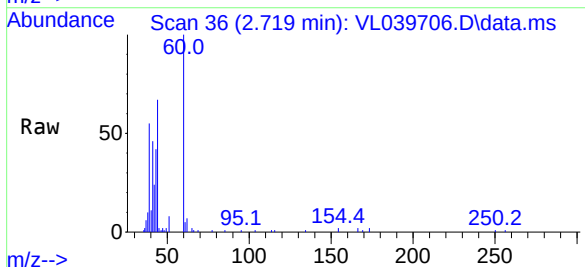
SV1

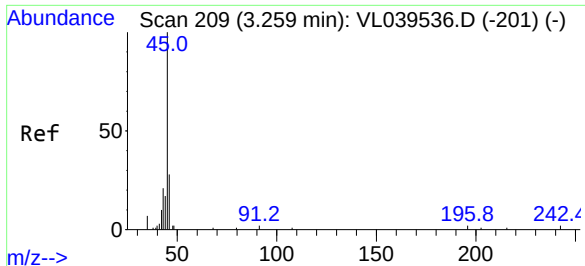
Tgt Ion: 51 Resp: 28203
 Ion Ratio Lower Upper
 51 100
 67 3.5 15.7 23.5#



#9
 Propene
 Concen: 0.262 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.004 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

Tgt Ion: 41 Resp: 14910
 Ion Ratio Lower Upper
 41 100
 42 55.4 55.2 82.8

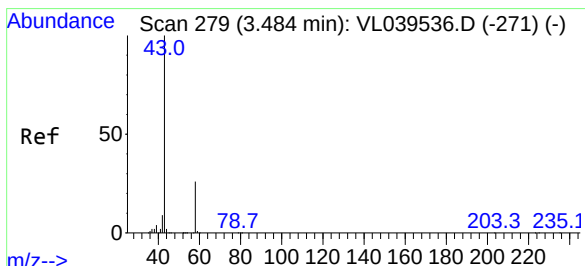
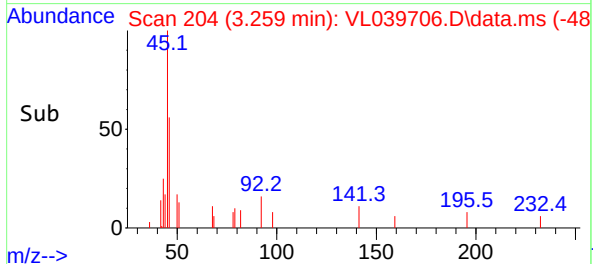
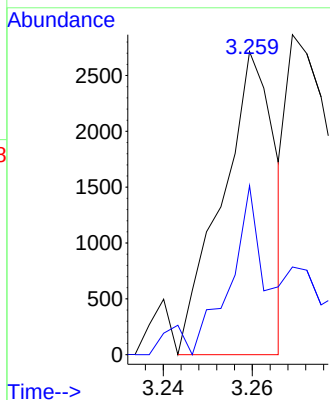
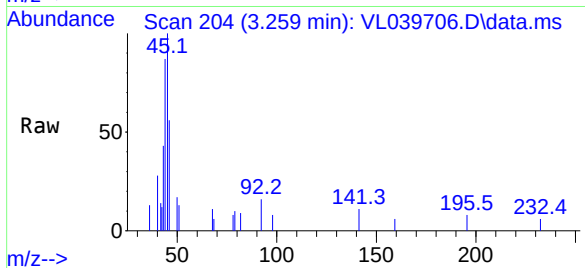




#13
Ethanol
Concen: 0.517 ppbv
RT: 3.259 min Scan# 209
Delta R.T. 0.001 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

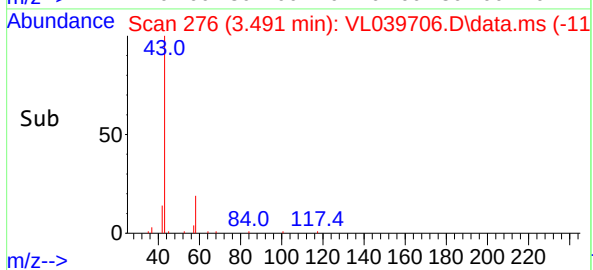
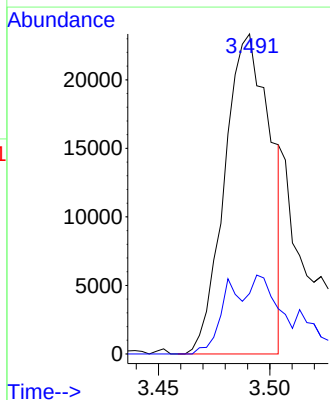
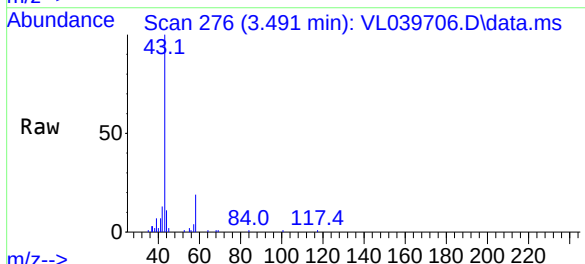
Instrument :
MSVOA_L
ClientSampleId :
SV1

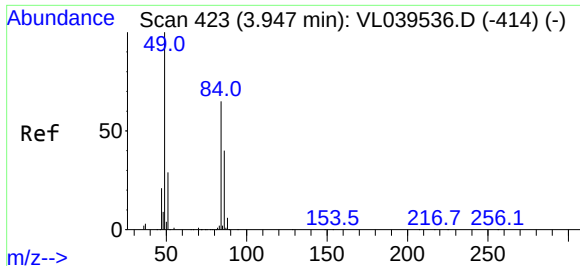
Tgt Ion: 45 Resp: 2244
Ion Ratio Lower Upper
45 100
46 93.7 22.8 91.2#



#15
Acetone
Concen: 0.286 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 43 Resp: 33429
Ion Ratio Lower Upper
43 100
58 38.3 21.0 31.6#



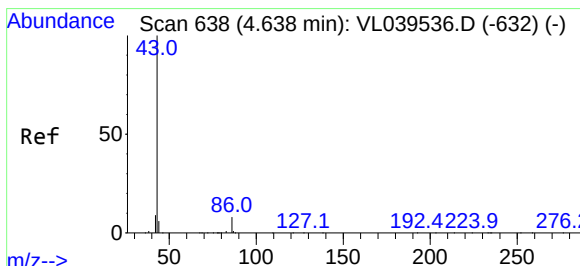
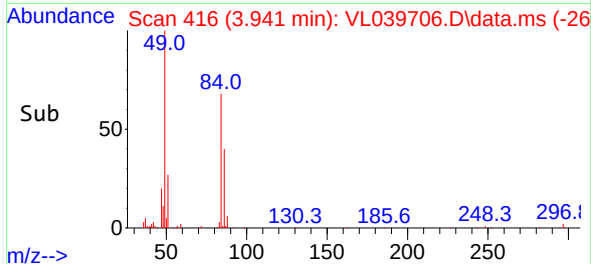
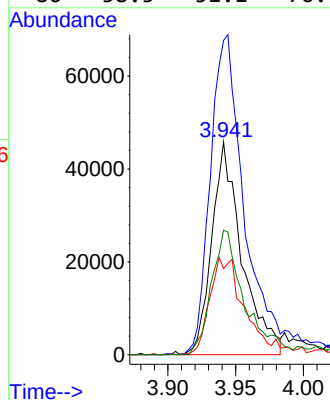
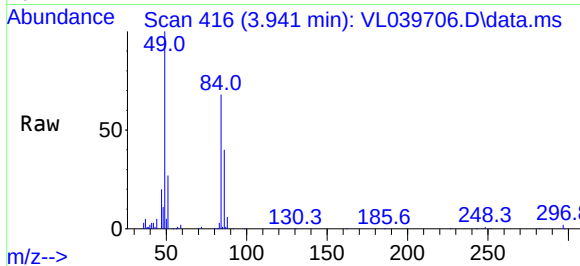


#20
Methylene Chloride
Concen: 1.312 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.006 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 70863

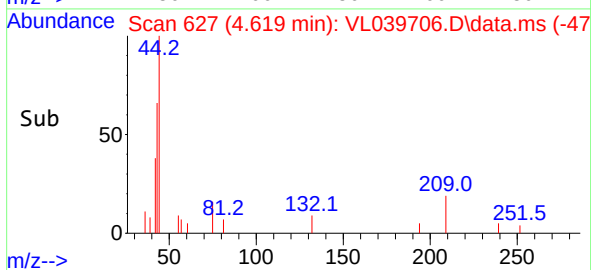
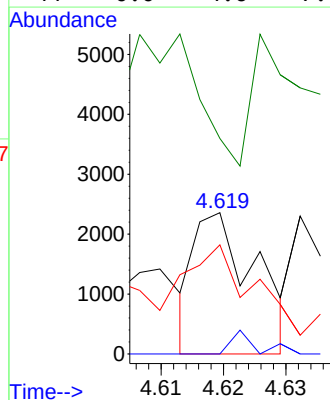
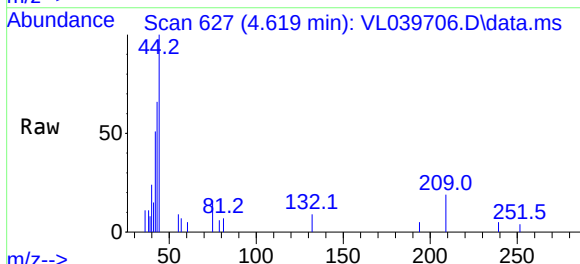
Ion	Ratio	Lower	Upper
84	100		
49	147.3	123.1	184.7
51	40.5	34.4	51.6
86	58.5	51.1	76.7

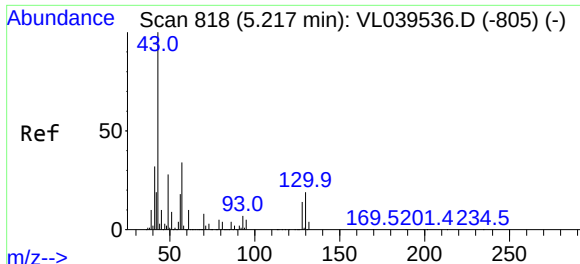


#23
Vinyl Acetate
Concen: 0.030 ppbv
RT: 4.619 min Scan# 627
Delta R.T. -0.019 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 43 Resp: 1609

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	69.8	7.7	11.5#
44	0.0	4.6	7.0#



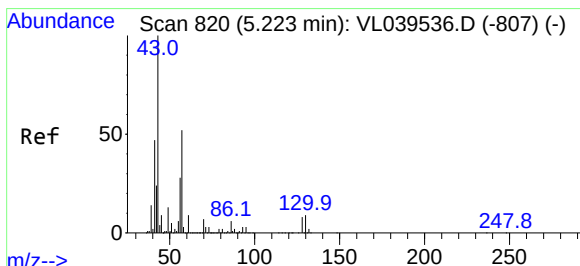
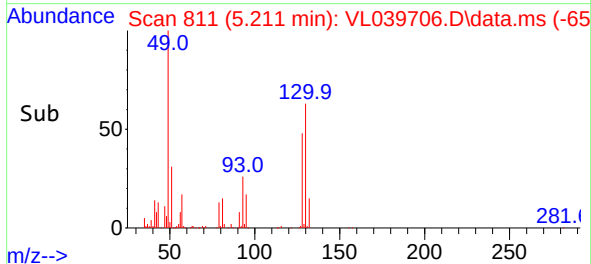
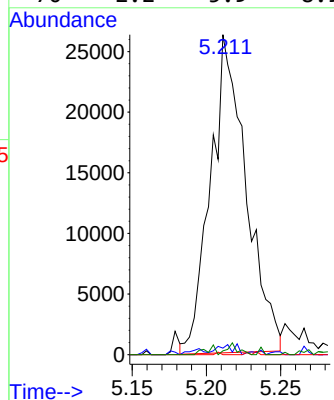
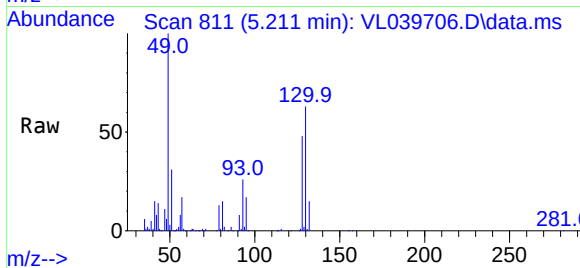


#25
Ethyl Acetate
Concen: 0.172 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 43911

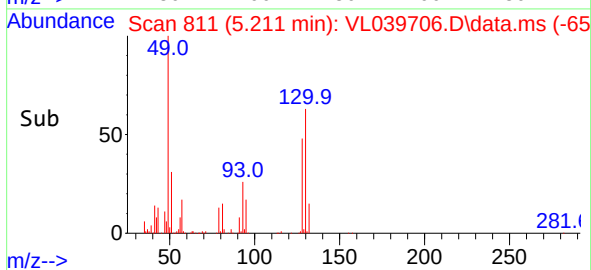
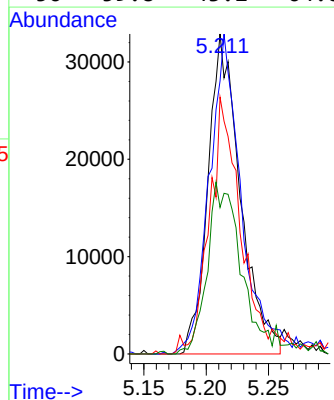
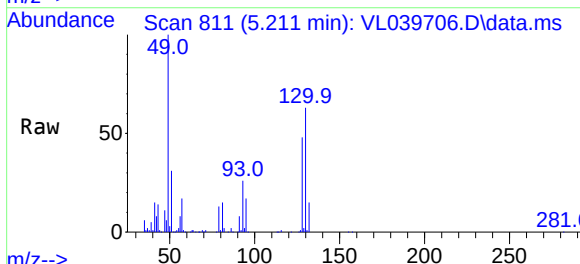
Ion	Ratio	Lower	Upper
43	100		
45	3.5	8.2	12.4#
61	0.0	8.3	12.5#
70	2.2	5.9	8.9#

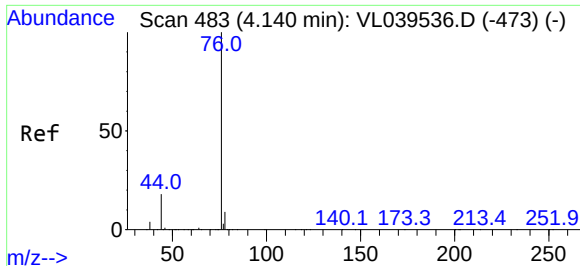


#26
Hexane
Concen: 0.548 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.012 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 57 Resp: 59288

Ion	Ratio	Lower	Upper
57	100		
41	103.7	76.9	115.3
43	85.0	191.0	286.6#
56	59.8	43.2	64.8

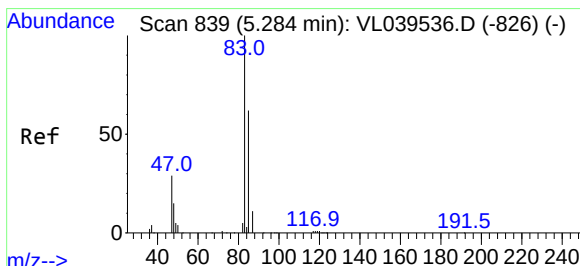
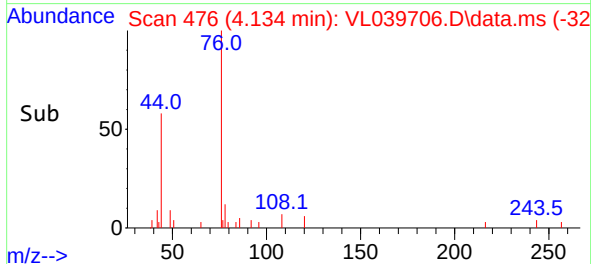
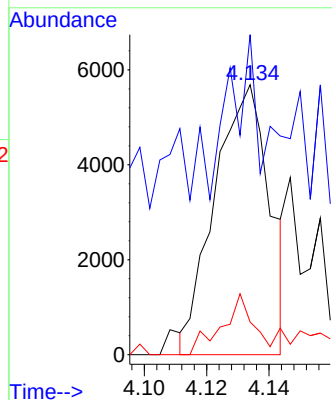
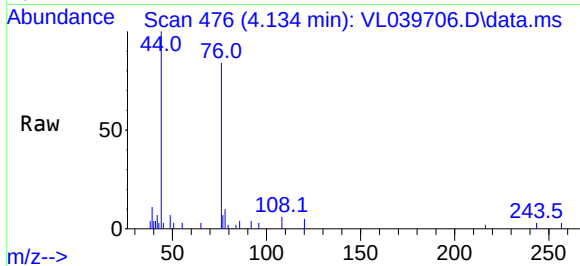




#27
Carbon Disulfide
Concen: 0.061 ppbv
RT: 4.134 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

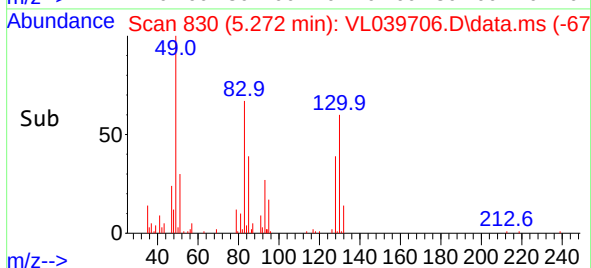
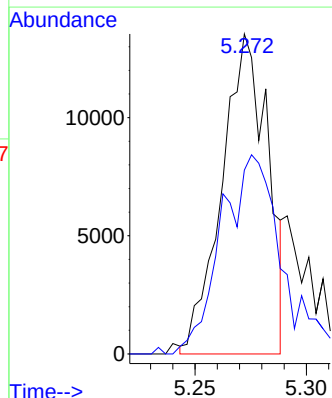
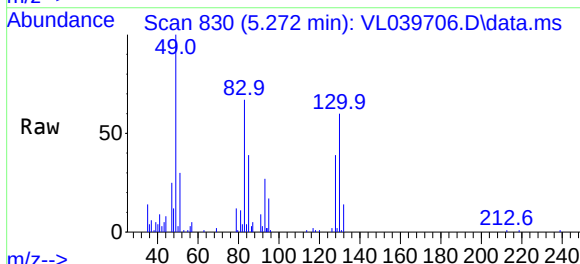
Instrument :
MSVOA_L
ClientSampleId :
SV1

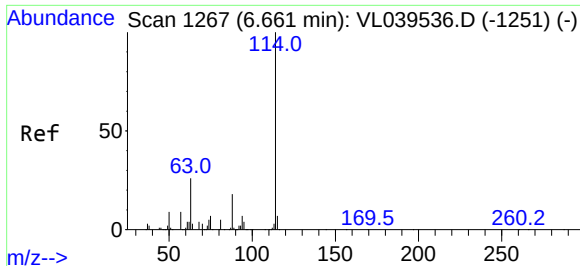
Tgt Ion: 76 Resp: 6906
Ion Ratio Lower Upper
76 100
44 125.5 14.6 21.8#
78 21.2 7.8 11.6#



#29
Chloroform
Concen: 0.125 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.012 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 83 Resp: 19444
Ion Ratio Lower Upper
83 100
85 56.5 52.8 79.2

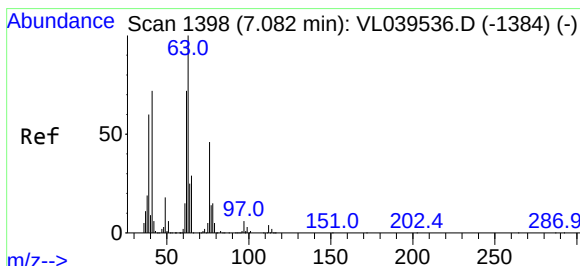
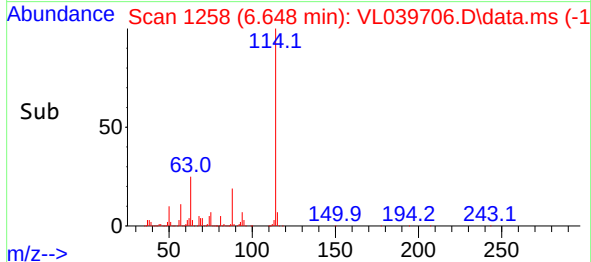
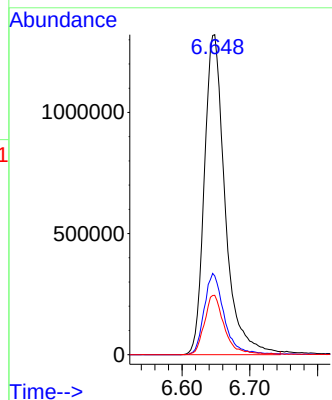
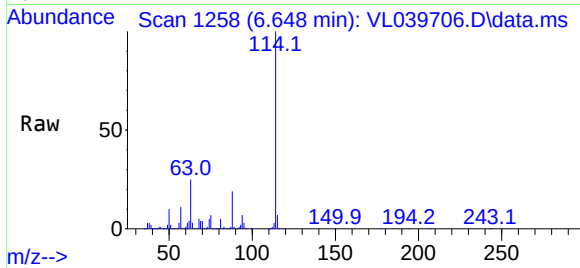




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 11
Delta R.T. -0.012 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

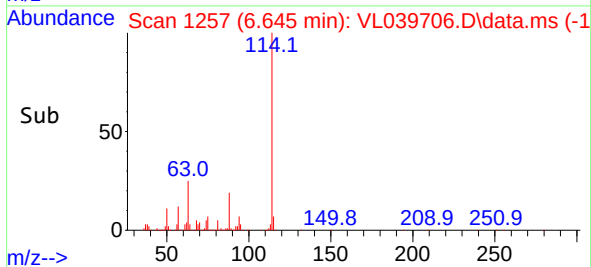
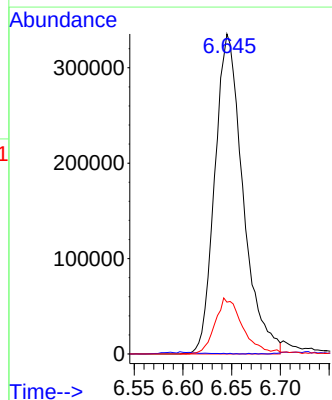
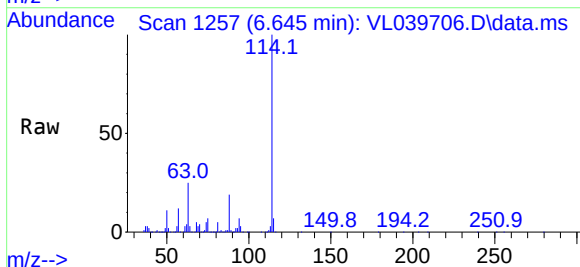
Instrument :
MSVOA_L
ClientSampleId :
SV1

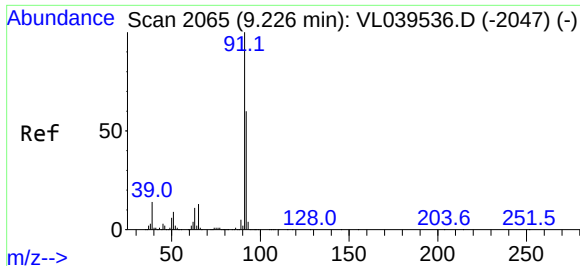
Tgt Ion:114 Resp: 2807796
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.0 14.5 21.7



#39
1,2-Dichloropropane
Concen: 8.132 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.437 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 63 Resp: 674076
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 16.2 51.4 77.0#

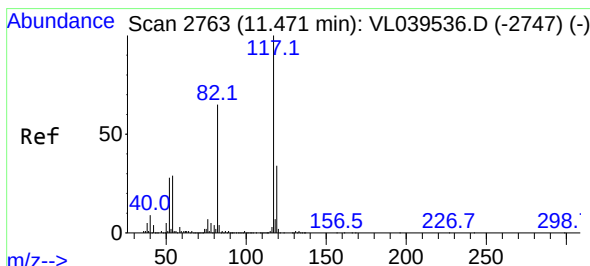
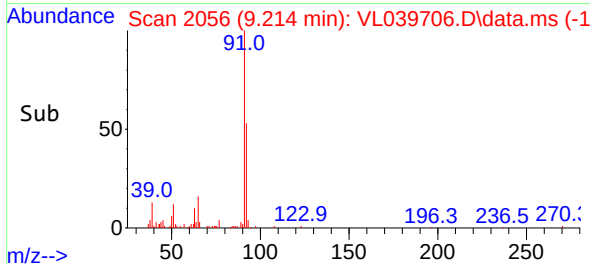
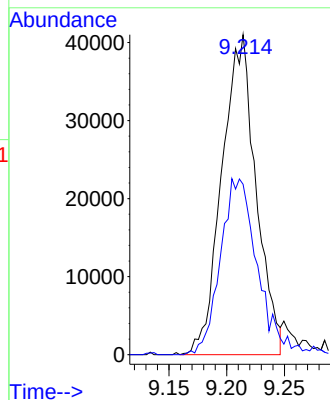
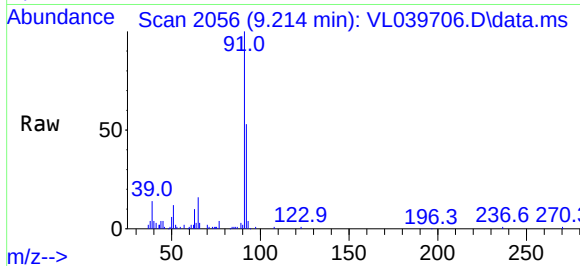




#53
Toluene
Concen: 0.354 ppbv
RT: 9.214 min Scan# 2065
Delta R.T. -0.012 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

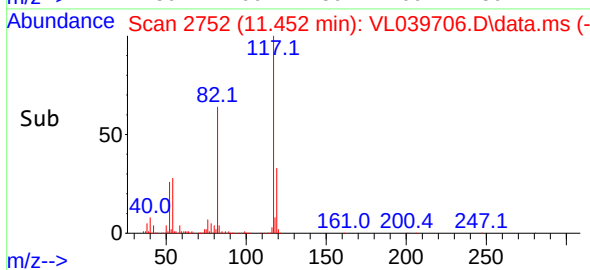
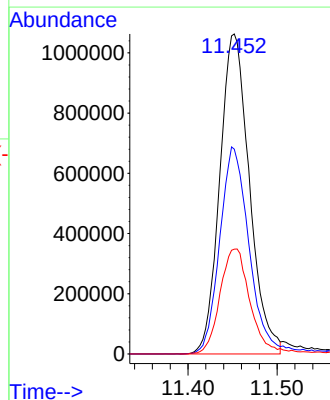
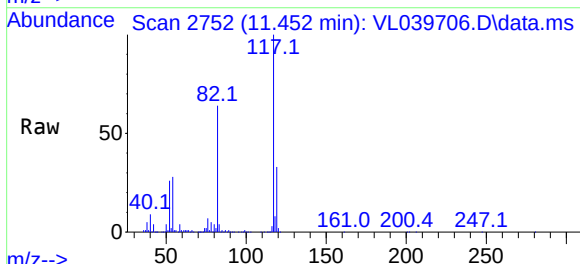
Instrument :
MSVOA_L
ClientSampleId :
SV1

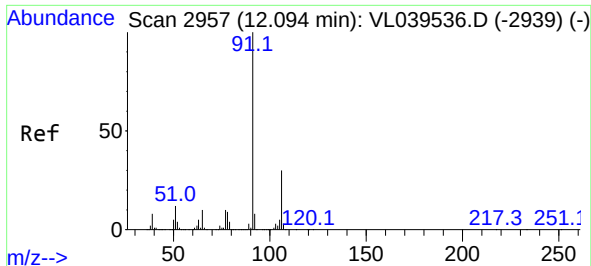
Tgt Ion: 91 Resp: 84410
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.019 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 117 Resp: 2458745
Ion Ratio Lower Upper
117 100
82 66.5 50.8 76.2
119 34.7 24.1 36.1

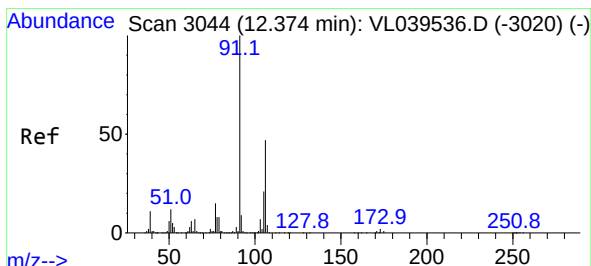
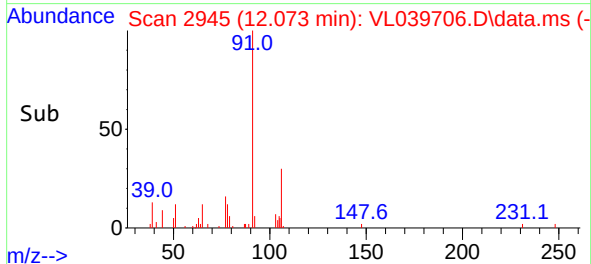
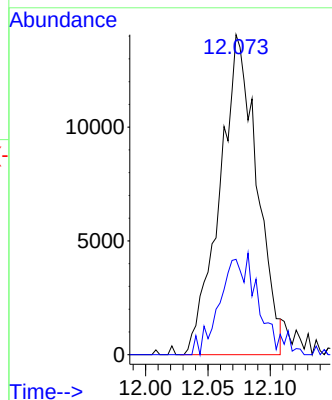
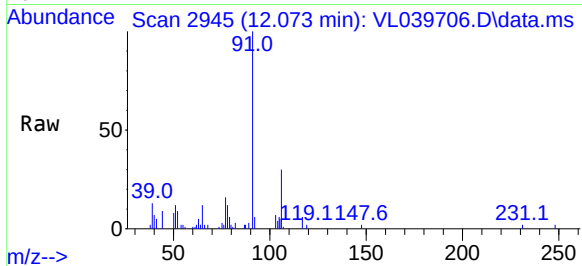




#58
Ethyl Benzene
Concen: 0.103 ppbv
RT: 12.073 min Scan# 2957
Delta R.T. -0.022 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

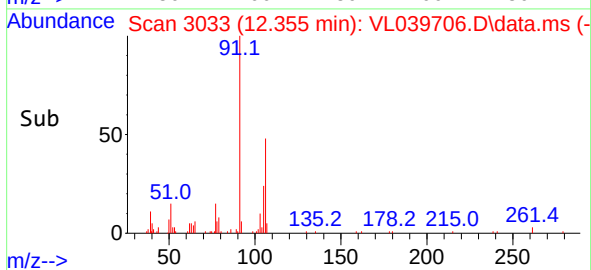
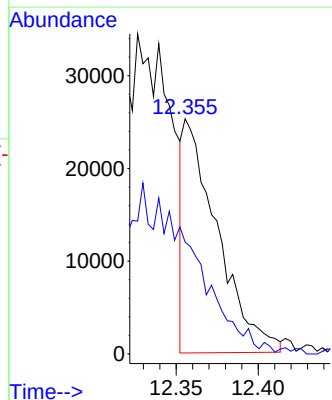
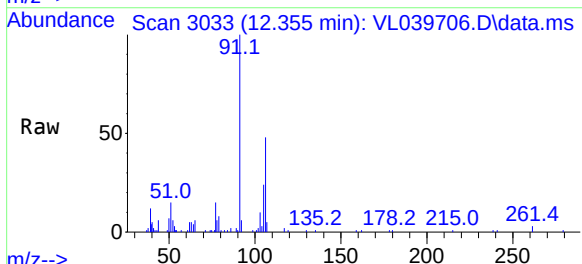
Instrument : MSVOA_L
ClientSampleId : SV1

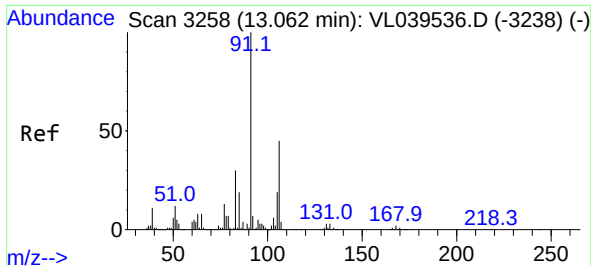
Tgt Ion: 91 Resp: 29207
Ion Ratio Lower Upper
91 100
106 29.8 25.4 38.0



#59
m/p-Xylene
Concen: 0.145 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. -0.019 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 91 Resp: 36480
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

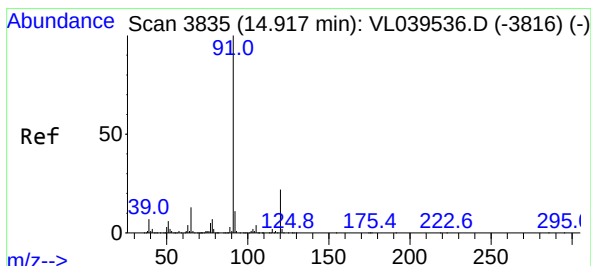
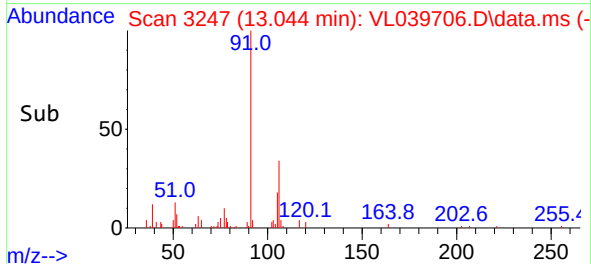
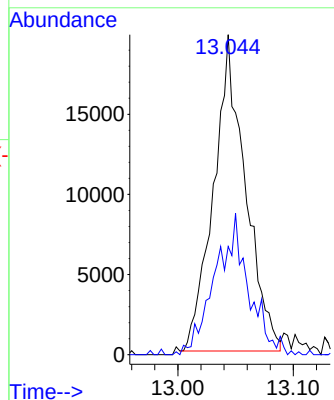
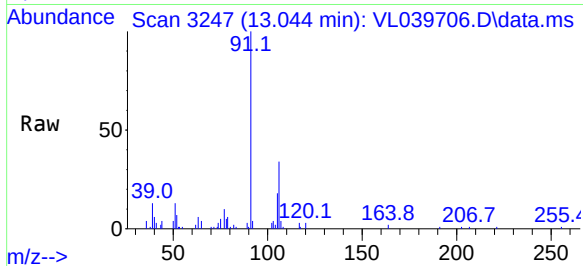




#60
o-Xylene
Concen: 0.157 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

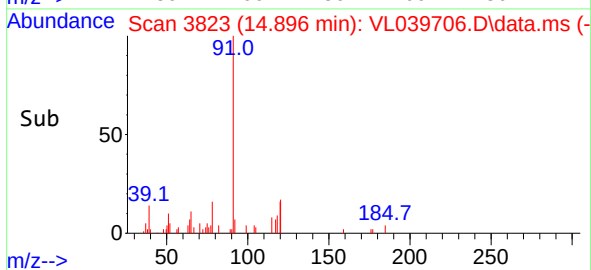
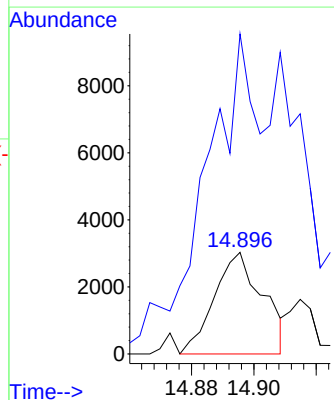
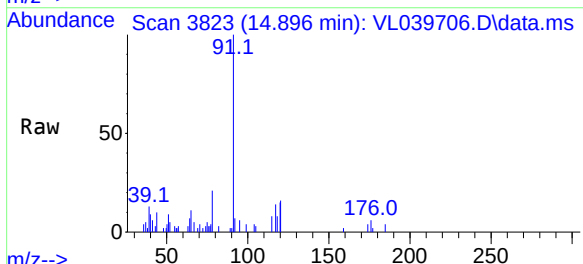
Instrument :
MSVOA_L
ClientSampleId :
SV1

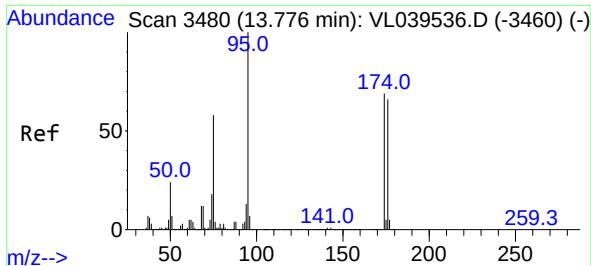
Tgt Ion: 91 Resp: 37784
Ion Ratio Lower Upper
91 100
106 47.1 22.4 67.3



#64
n-propylbenzene
Concen: 0.035 ppbv
RT: 14.896 min Scan# 3823
Delta R.T. -0.022 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 120 Resp: 3267
Ion Ratio Lower Upper
120 100
91 694.3 367.2 550.8#

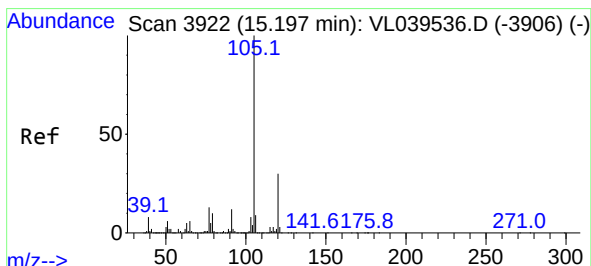
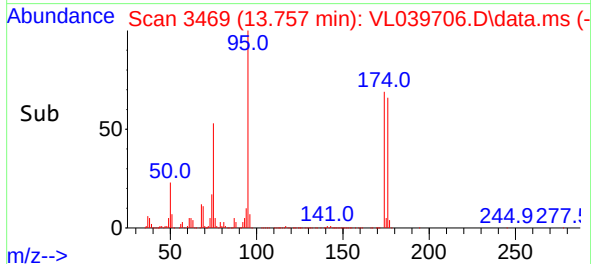
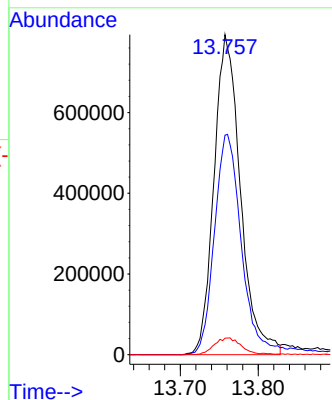
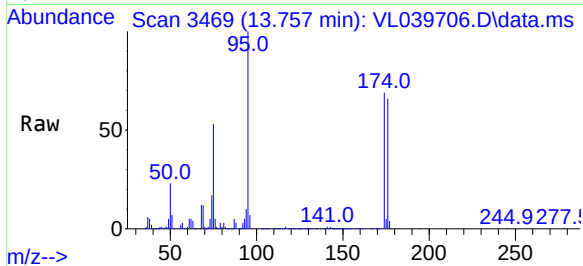




#68
1-Bromo-4-Fluorobenzene
Concen: 10.203 ppbv
RT: 13.757 min Scan# 3410
Delta R.T. -0.019 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

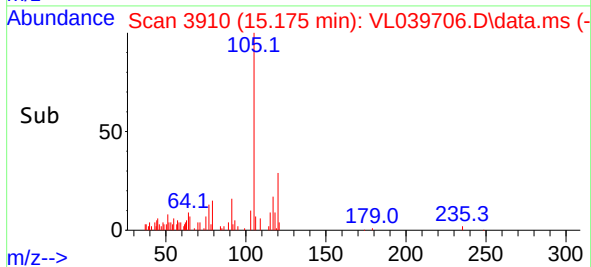
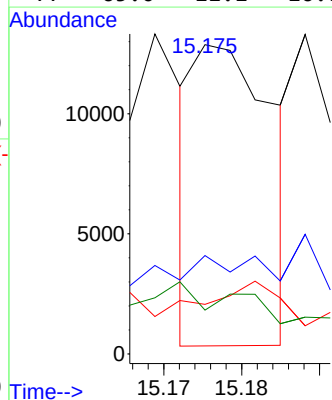
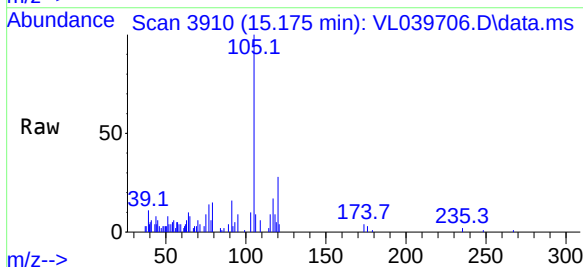
Instrument :
MSVOA_L
ClientSampleId :
SV1

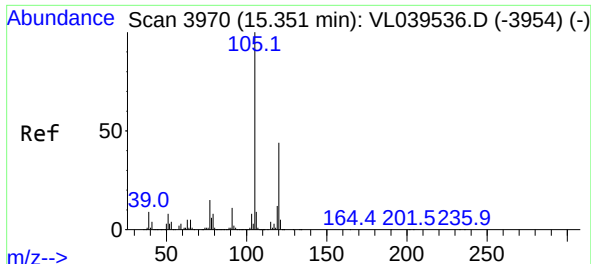
Tgt Ion: 95 Resp: 1872723
Ion Ratio Lower Upper
95 100
174 73.6 55.9 83.9
175 5.5 4.2 6.4



#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. -0.022 min
Lab File: VL039706.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 105 Resp: 8699
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 0.0 10.2 15.4#
77 65.0 11.1 16.7#

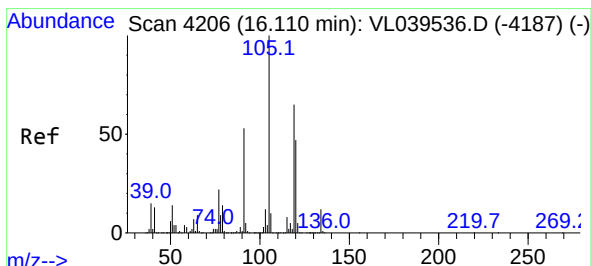
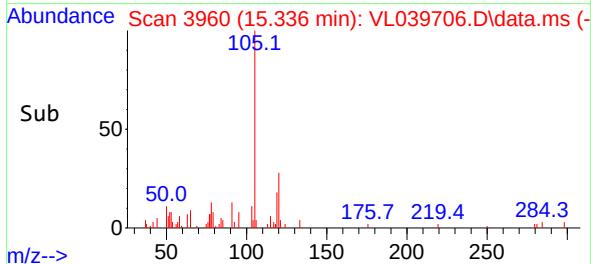
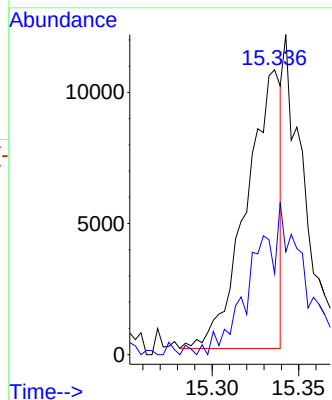
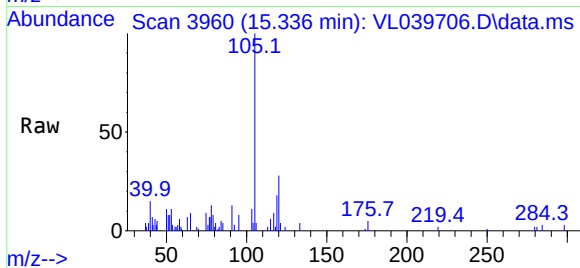




#73
 1,3,5-Trimethylbenzene
 Concen: 0.059 ppbv
 RT: 15.336 min Scan# 3960
 Delta R.T. -0.015 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

Instrument : MSVOA_L
 ClientSampleId : SV1

Tgt Ion:105 Resp: 14828
 Ion Ratio Lower Upper
 105 100
 120 29.1 38.2 57.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.258 ppbv
 RT: 16.088 min Scan# 4194
 Delta R.T. -0.022 min
 Lab File: VL039706.D
 Acq: 10 Oct 2022 22:15

Tgt Ion:105 Resp: 72919
 Ion Ratio Lower Upper
 105 100
 120 39.8 39.5 59.3
 91 10.0 39.2 58.8#
 77 12.3 17.2 25.8#

