

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039731.D
 Acq On : 17 Oct 2022 22:33
 Operator : SY/AP
 Sample : N5169-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Quant Time: Oct 18 05:30:46 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 : Tue Oct 18 05:23:57 2022
 Response via : Initial Calibration

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

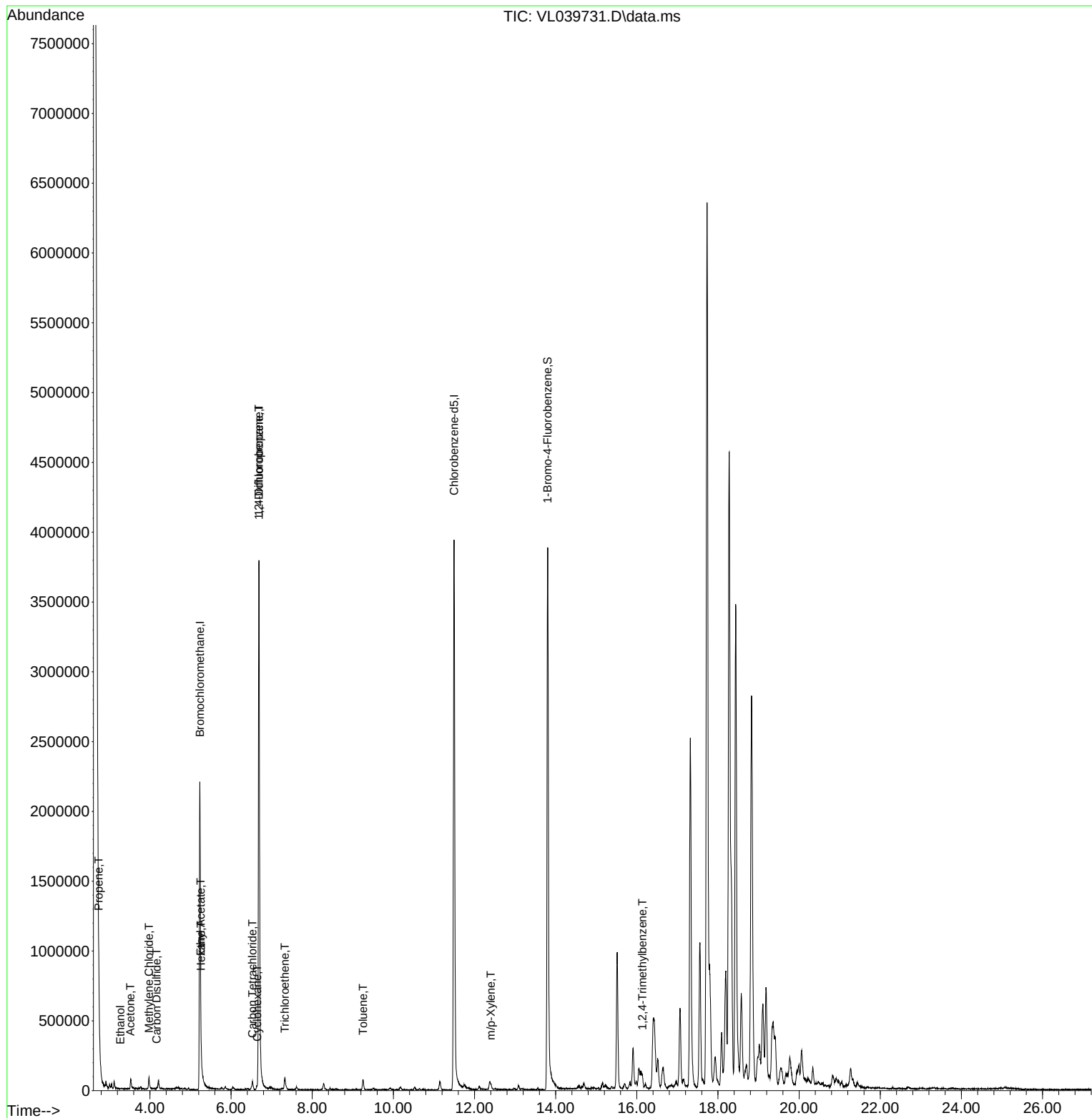
Internal Standards						
1) Bromochloromethane	5.230	49	1157294	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3082371	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2661929	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1925320	9.689	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						
					Qvalue	
9) Propene	2.738	41	10140	0.162	ppbv #	1
13) Ethanol	3.272	45	349	0.073	ppbv #	1
15) Acetone	3.520	43	69913	0.543	ppbv	92
20) Methylene Chloride	3.976	84	24610	0.413	ppbv	95
25) Ethyl Acetate	5.253	43	17751	0.063	ppbv #	80
26) Hexane	5.256	57	9909	0.083	ppbv #	23
27) Carbon Disulfide	4.166	76	7860	0.063	ppbv #	69
30) Cyclohexane	6.642	84	3136	0.034	ppbv #	1
35) Carbon Tetrachloride	6.529	117	5833	0.036	ppbv #	78
38) Trichloroethene	7.327	130	26492	0.208	ppbv #	82
39) 1,2-Dichloropropane	6.684	63	753177	8.277	ppbv #	25
53) Toluene	9.253	91	45465	0.173	ppbv #	80
59) m/p-Xylene	12.404	91	14361	0.053	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.137	105	59960	0.196	ppbv #	69

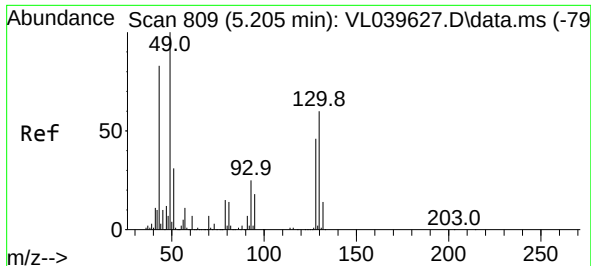
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039731.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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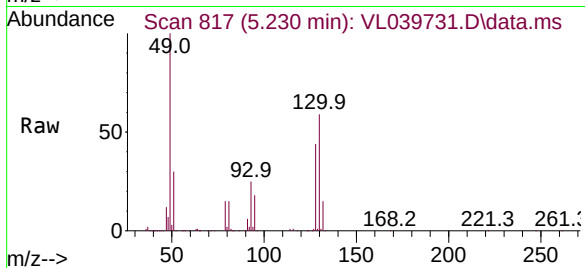
Quant Time: Oct 18 05:30:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Oct 18 05:23:57 2022
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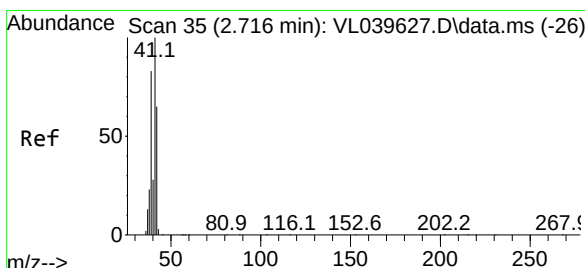
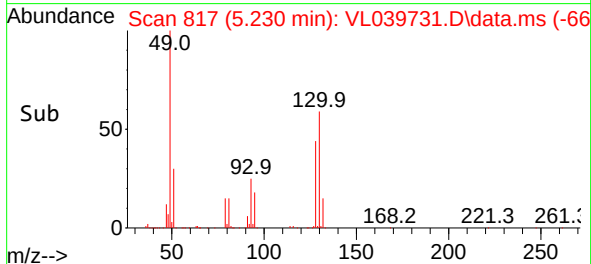
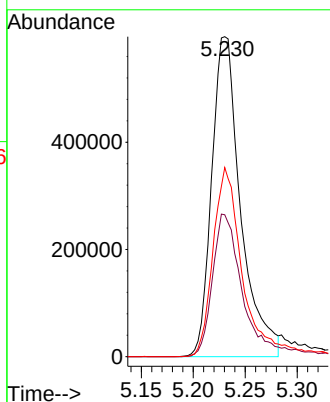


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

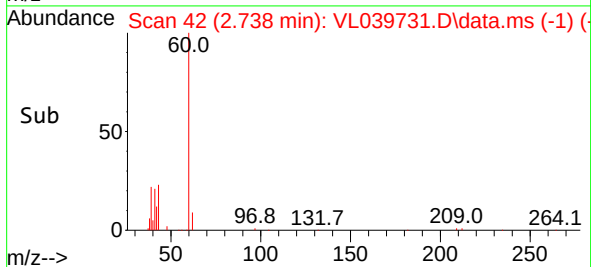
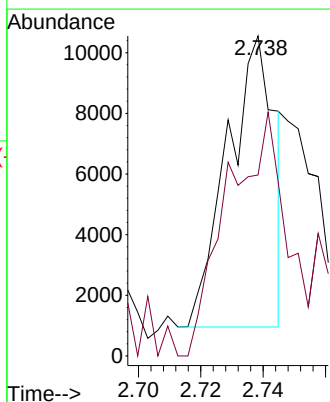
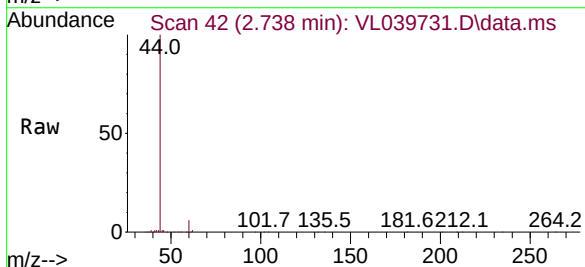


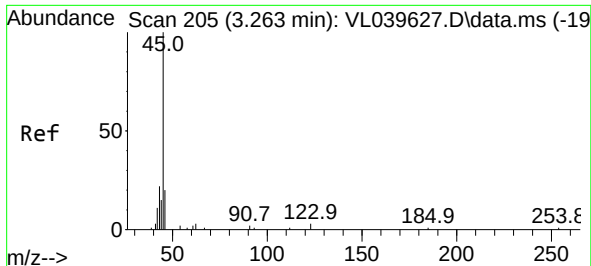
Tgt Ion: 49 Resp: 1157294
Ion Ratio Lower Upper
49 100
128 48.2 26.7 80.0
130 63.3 34.3 102.8



#9
Propene
Concen: 0.162 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion: 41 Resp: 10140
Ion Ratio Lower Upper
41 100
42 152.8 55.2 82.8#

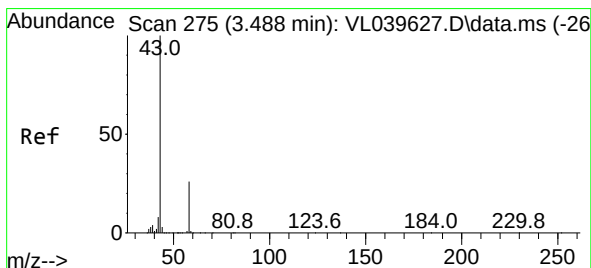
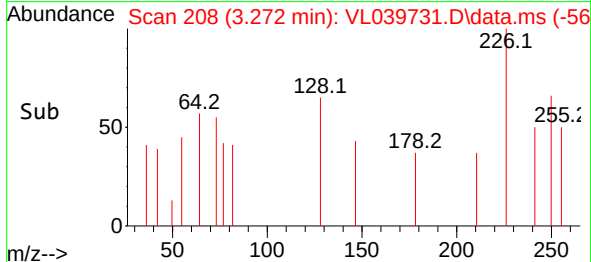
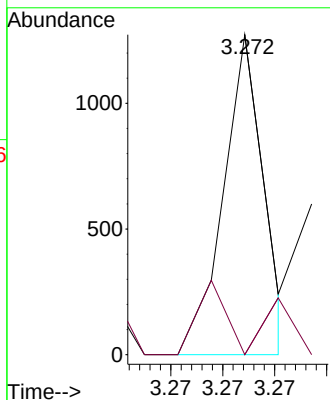
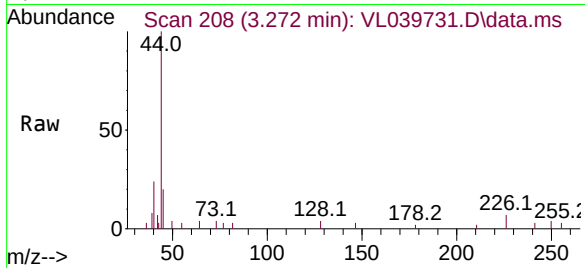




#13
Ethanol
Concen: 0.073 ppbv
RT: 3.272 min Scan# 205
Delta R.T. -0.010 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

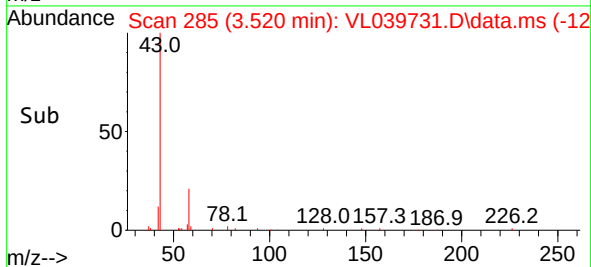
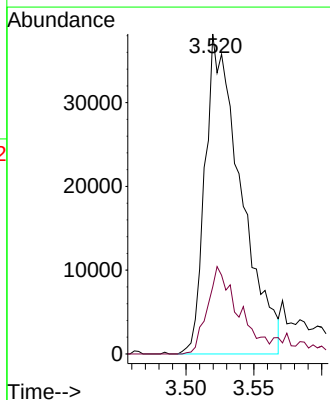
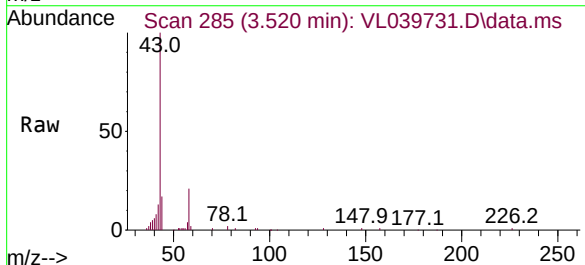
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

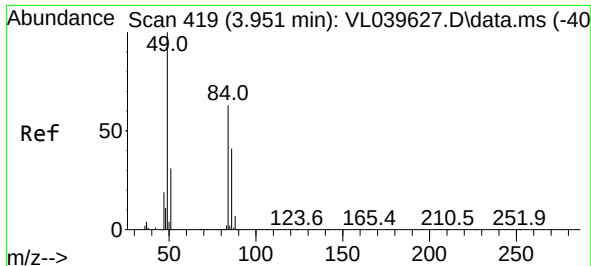
Tgt Ion: 45 Resp: 349
Ion Ratio Lower Upper
45 100
46 465.9 22.8 91.2#



#15
Acetone
Concen: 0.543 ppbv
RT: 3.520 min Scan# 285
Delta R.T. 0.016 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion: 43 Resp: 69913
Ion Ratio Lower Upper
43 100
58 30.2 21.0 31.6

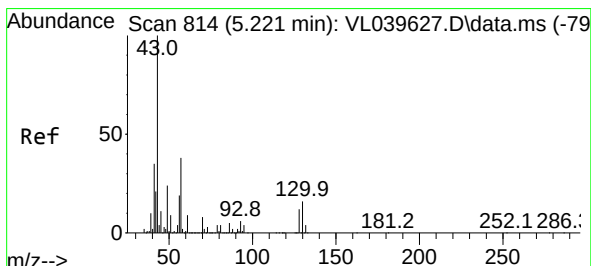
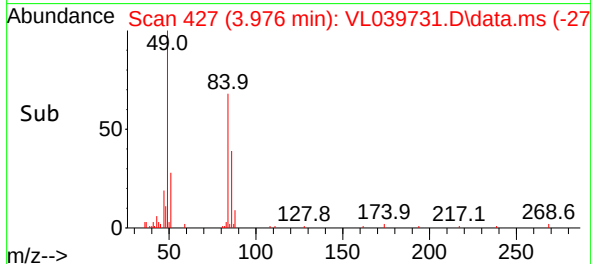
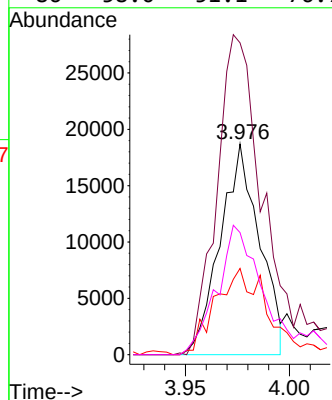
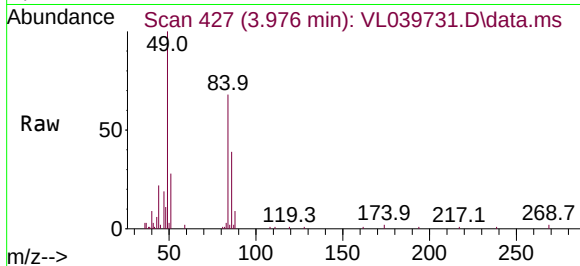




#20
Methylene Chloride
Concen: 0.413 ppbv
RT: 3.976 min Scan# 419
Delta R.T. 0.006 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

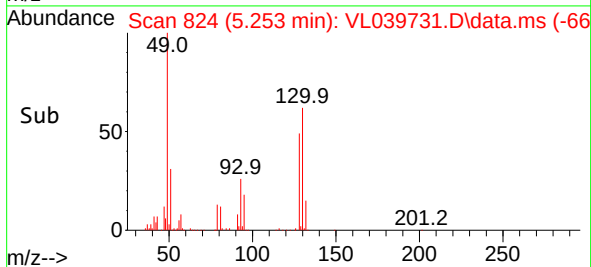
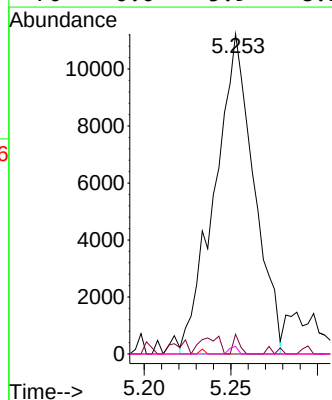
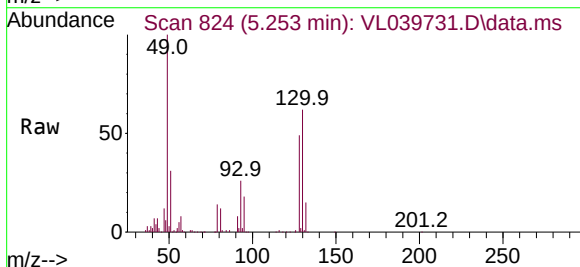
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

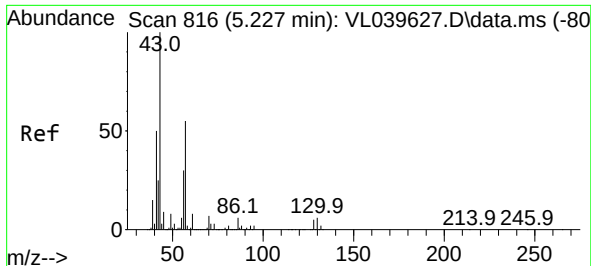
Tgt Ion:	84	Resp:	24610
Ion	Ratio	Lower	Upper
84	100		
49	147.2	123.1	184.7
51	40.9	34.4	51.6
86	58.0	51.1	76.7



#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.013 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion:	43	Resp:	17751
Ion	Ratio	Lower	Upper
43	100		
45	6.2	8.2	12.4#
61	0.0	8.3	12.5#
70	0.0	5.9	8.9#

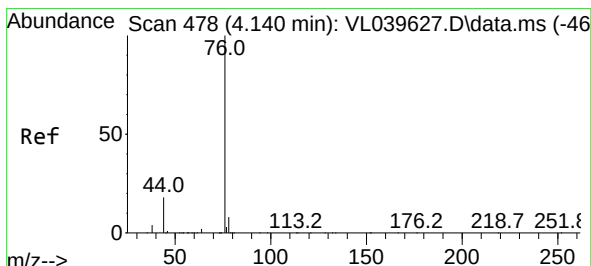
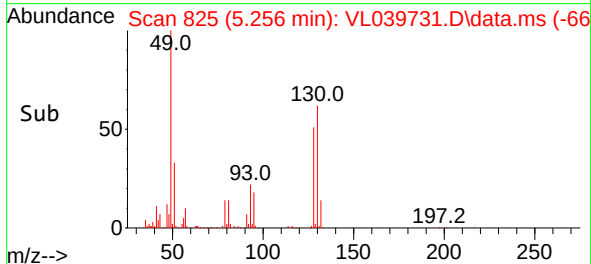
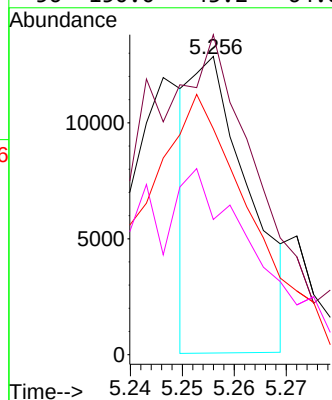
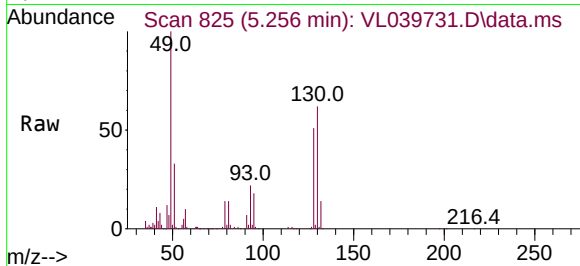




#26
Hexane
Concen: 0.083 ppbv
RT: 5.256 min Scan# 816
Delta R.T. 0.009 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

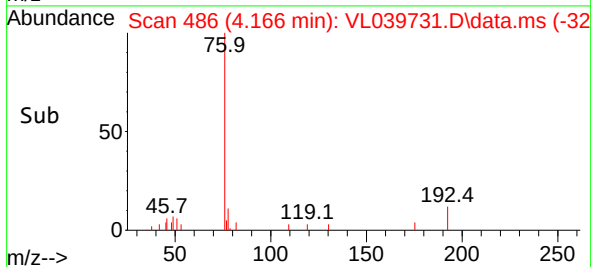
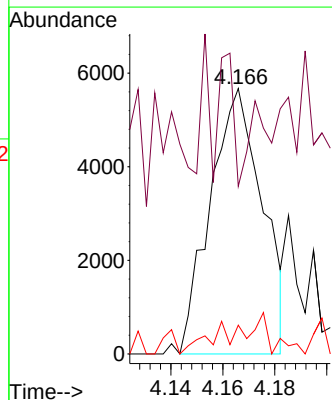
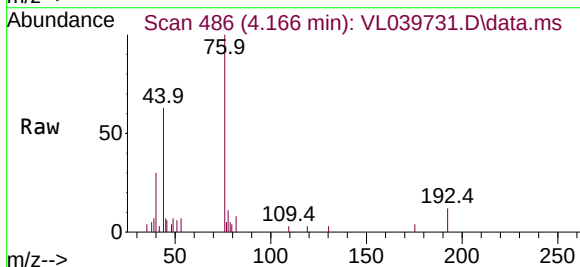
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

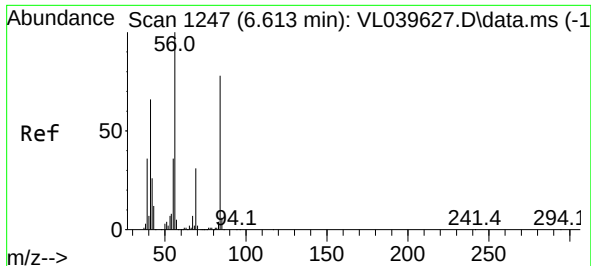
Tgt Ion:	57	Resp:	9909
Ion	Ratio	Lower	Upper
57	100		
41	274.9	76.9	115.3#
43	201.3	191.0	286.6
56	150.0	43.2	64.8#



#27
Carbon Disulfide
Concen: 0.063 ppbv
RT: 4.166 min Scan# 486
Delta R.T. 0.006 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion:	76	Resp:	7860
Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.6	21.8#
78	5.2	7.8	11.6#

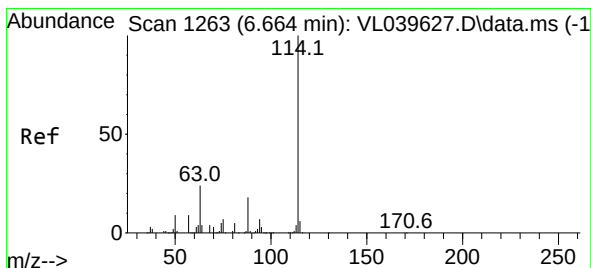
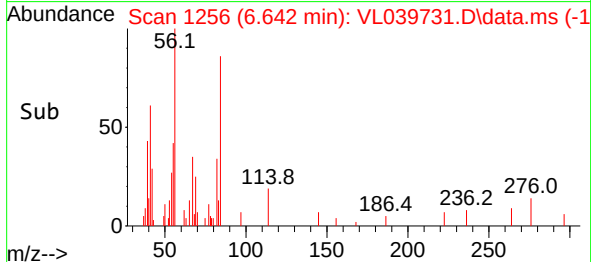
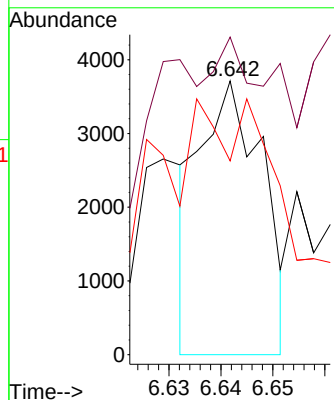
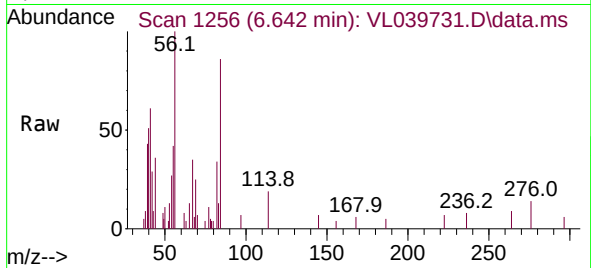




#30
Cyclohexane
Concen: 0.034 ppbv
RT: 6.642 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

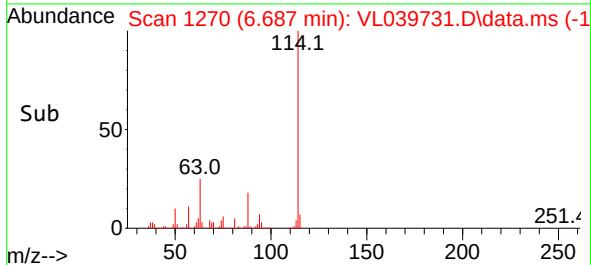
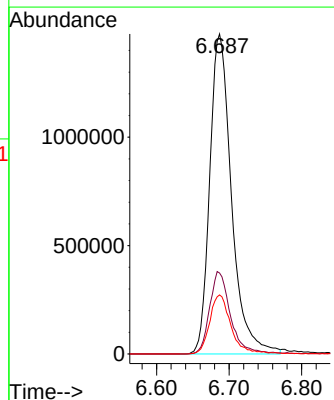
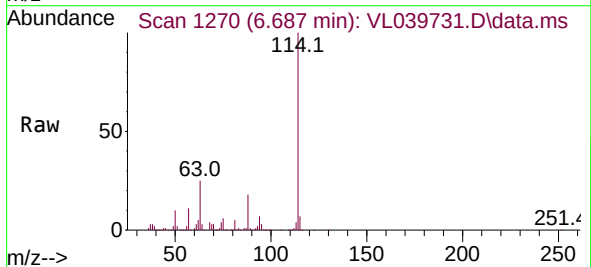
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

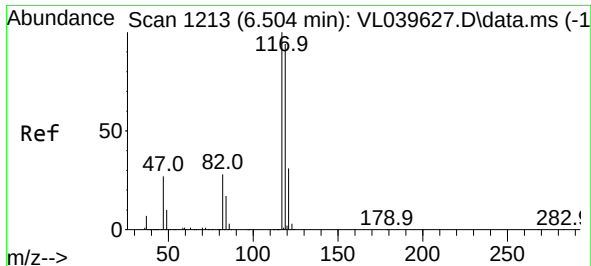
Tgt Ion: 84 Resp: 3136
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 279.7 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion: 114 Resp: 3082371
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.2 14.5 21.7

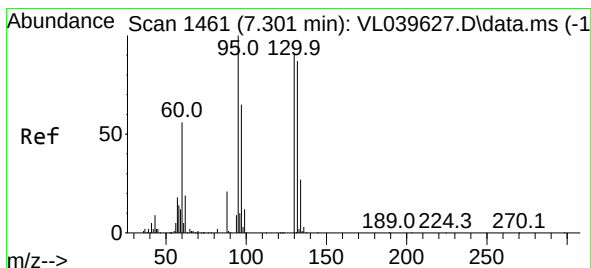
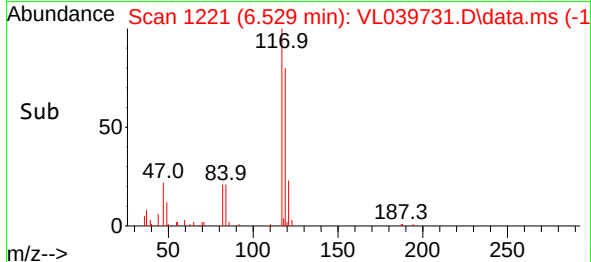
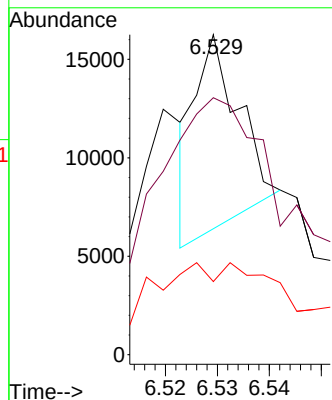
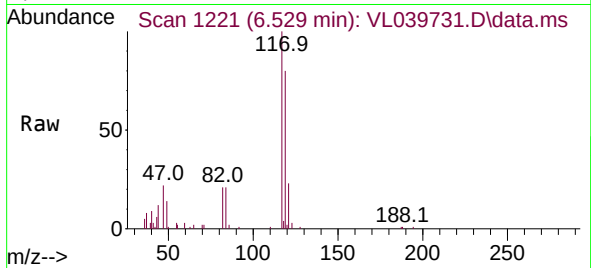




#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 6.529 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

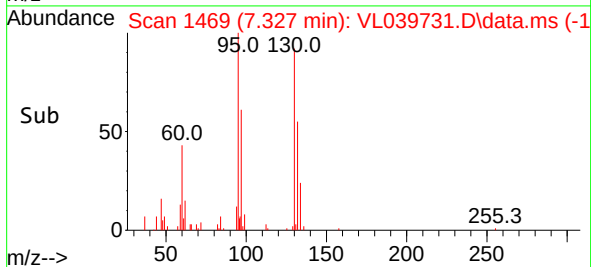
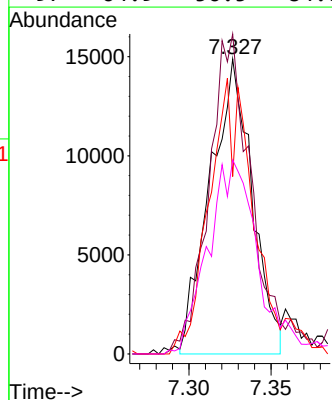
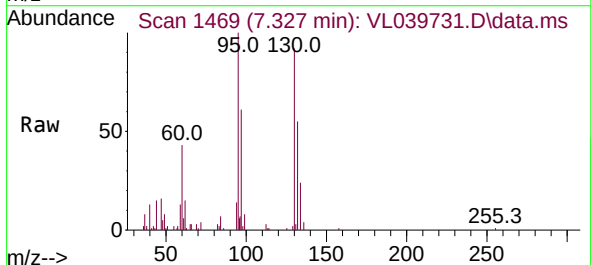
Instrument :
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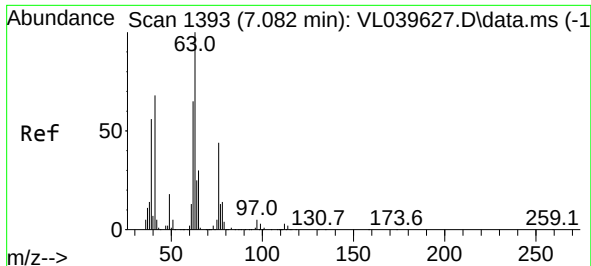
Tgt Ion:117 Resp: 5833
Ion Ratio Lower Upper
117 100
119 82.7 75.4 113.2
121 0.7 24.2 36.2#



#38
Trichloroethene
Concen: 0.208 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.003 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion:130 Resp: 26492
Ion Ratio Lower Upper
130 100
95 105.9 87.3 130.9
132 53.2 76.7 115.1#
97 64.9 56.5 84.7





#39

1,2-Dichloropropane

Concen: 8.277 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. -0.421 min

Lab File: VL039731.D

Acq: 17 Oct 2022 22:33

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

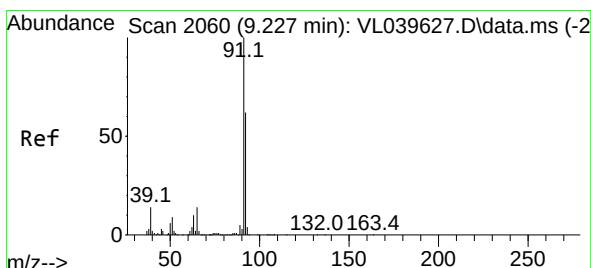
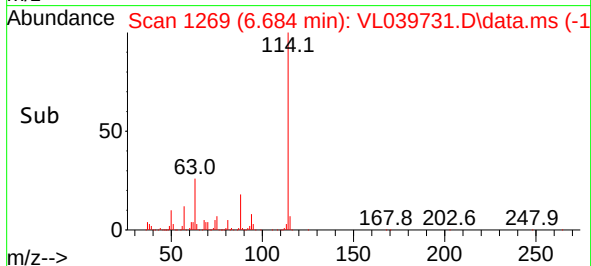
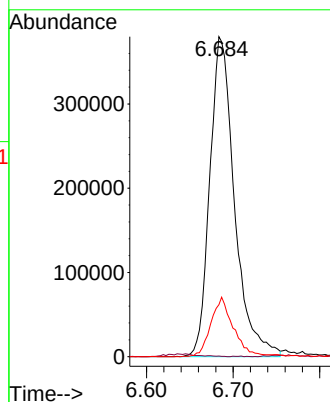
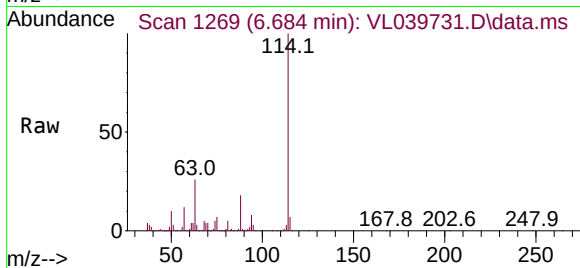
Tgt Ion: 63 Resp: 753177

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.3 51.4 77.0#



#53

Toluene

Concen: 0.173 ppbv

RT: 9.253 min Scan# 2068

Delta R.T. 0.003 min

Lab File: VL039731.D

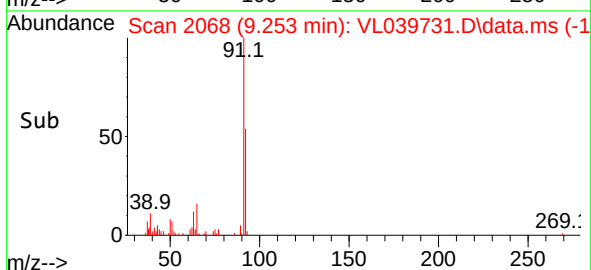
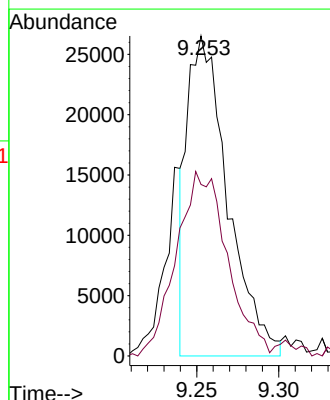
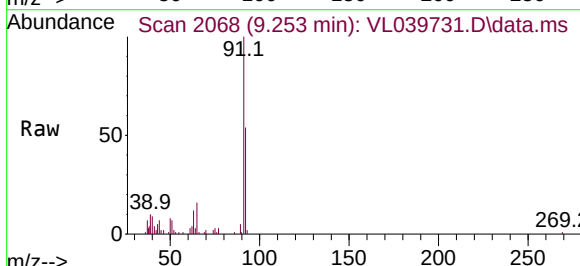
Acq: 17 Oct 2022 22:33

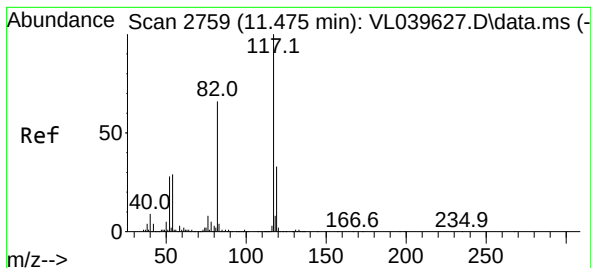
Tgt Ion: 91 Resp: 45465

Ion Ratio Lower Upper

91 100

92 75.2 48.2 72.2#

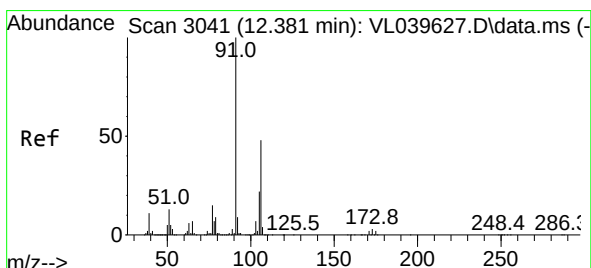
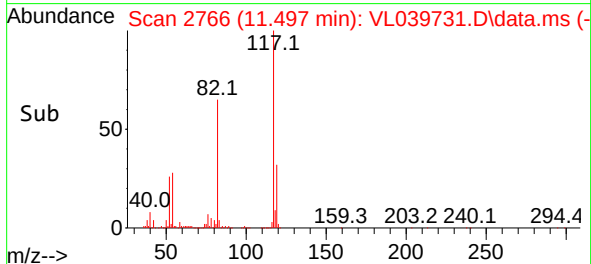
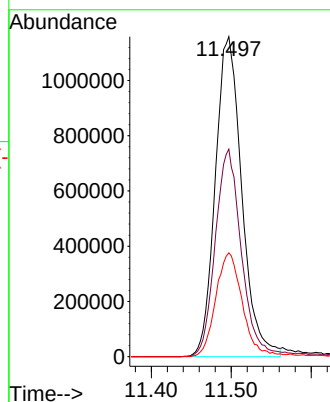
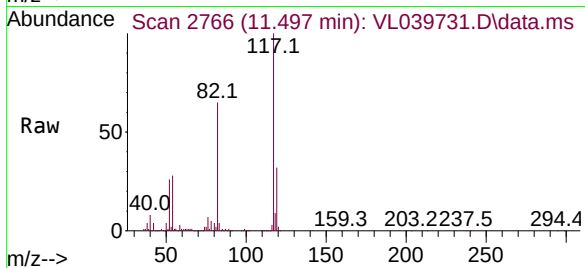




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

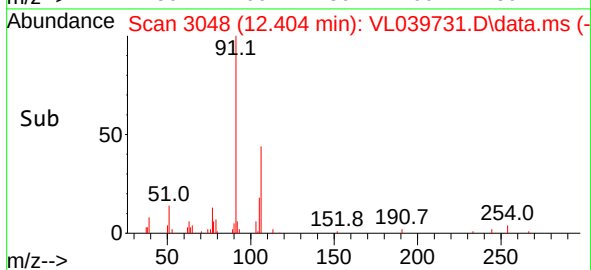
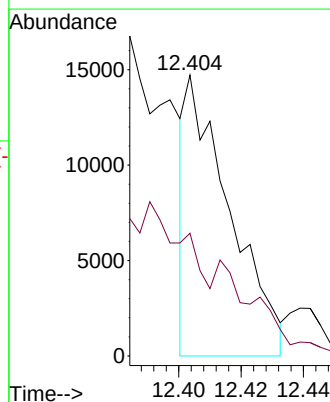
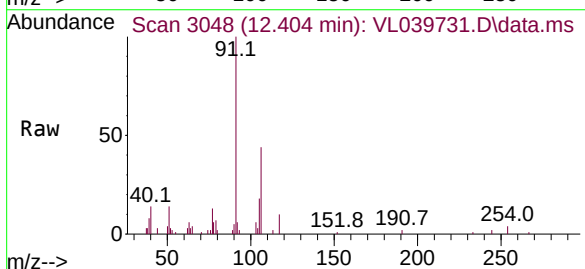
Instrument :
MSVOA_1
ClientSampleId :
SV4DL

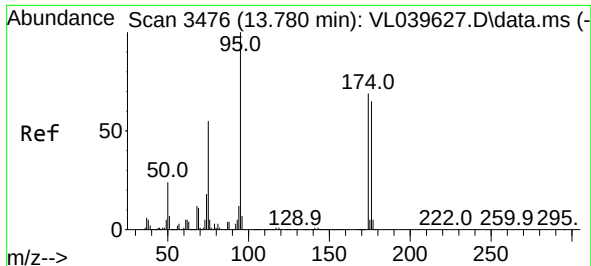
Tgt Ion:117 Resp: 2661929
Ion Ratio Lower Upper
117 100
82 65.9 50.8 76.2
119 33.5 24.1 36.1



#59
m/p-Xylene
Concen: 0.053 ppbv
RT: 12.404 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL039731.D
Acq: 17 Oct 2022 22:33

Tgt Ion: 91 Resp: 14361
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

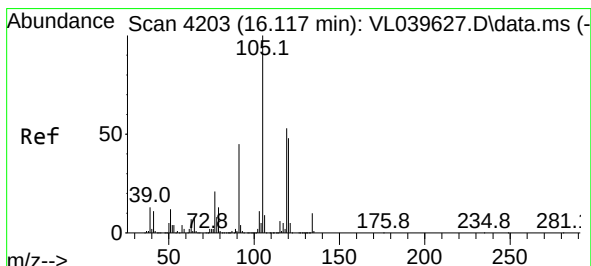
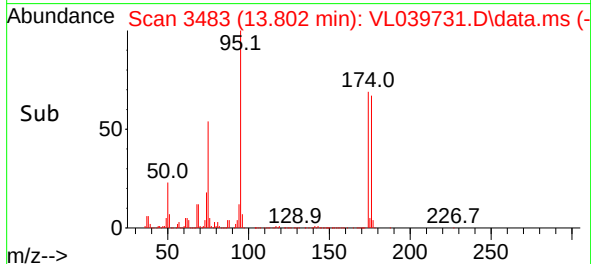
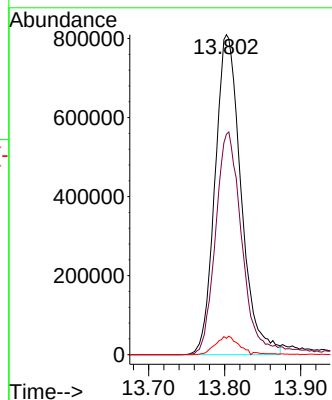
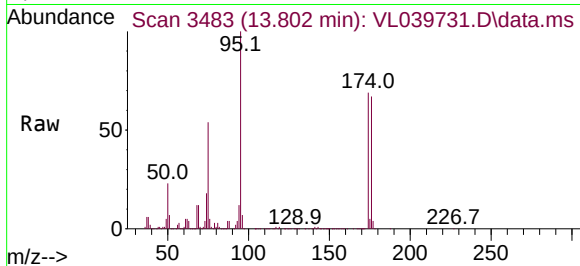




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.689 ppbv
 RT: 13.802 min Scan# 3476
 Delta R.T. 0.003 min
 Lab File: VL039731.D
 Acq: 17 Oct 2022 22:33

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Tgt Ion: 95 Resp: 1925320
 Ion Ratio Lower Upper
 95 100
 174 73.6 55.9 83.9
 175 5.5 4.2 6.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.196 ppbv
 RT: 16.137 min Scan# 4209
 Delta R.T. 0.003 min
 Lab File: VL039731.D
 Acq: 17 Oct 2022 22:33

Tgt Ion: 105 Resp: 59960
 Ion Ratio Lower Upper
 105 100
 120 36.1 39.5 59.3#
 91 15.2 39.2 58.8#
 77 14.7 17.2 25.8#

