

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040975.D
 Acq On : 15 Jan 2024 18:13
 Operator : SY/MD
 Sample : P1138-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 16 03:39:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 16 03:31:29 2024
 Response via : Initial Calibration

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

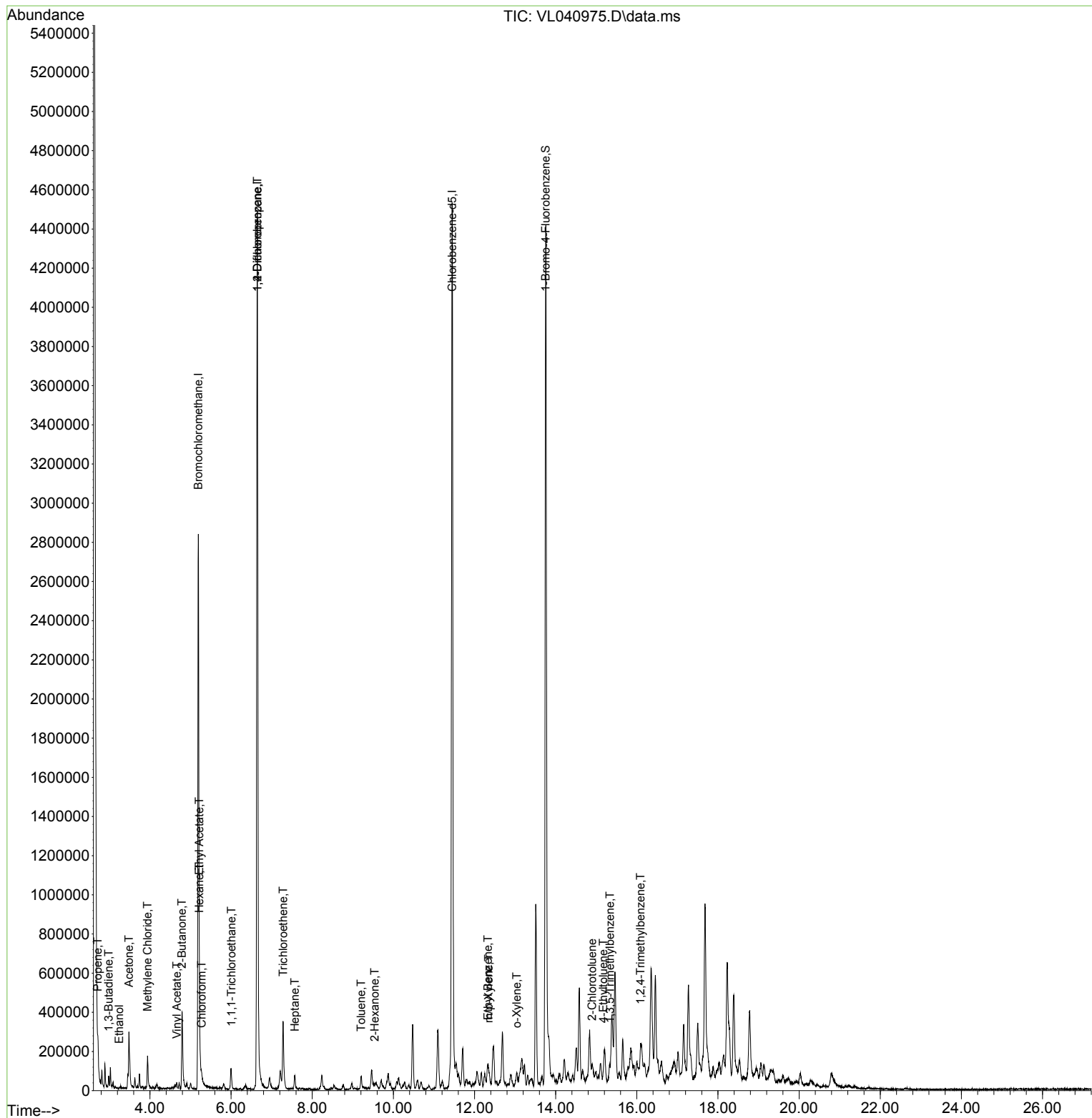
Internal Standards						
1) Bromochloromethane	5.192	49	1356798	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.645	114	3596739	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	3173128	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2329237	9.966	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
9) Propene	2.716	41	35982	0.534	ppbv	85
10) Heptane	7.574	43	12838	0.077	ppbv #	28
13) Ethanol	3.240	45	547	0.032	ppbv #	37
15) Acetone	3.481	43	308482	1.896	ppbv	93
16) 1,3-Butadiene	2.983	39	14590	0.208	ppbv #	29
20) Methylene Chloride	3.941	84	53197	0.917	ppbv #	87
23) Vinyl Acetate	4.665	43	6526	0.036	ppbv #	30
25) Ethyl Acetate	5.214	43	56792	0.201	ppbv #	77
26) Hexane	5.218	57	79763	0.638	ppbv #	39
29) Chloroform	5.275	83	8117	0.038	ppbv	93
32) 1,1,1-Trichloroethane	6.005	97	23703	0.116	ppbv #	1
34) 2-Butanone	4.790	43	521372	2.740	ppbv	97
38) Trichloroethene	7.282	130	99265	0.940	ppbv	97
39) 1,2-Dichloropropane	6.648	63	850492	7.697	ppbv #	23
51) 2-Hexanone	9.539	43	4597	0.022	ppbv #	30
53) Toluene	9.208	91	52472	0.168	ppbv	100
58) Ethyl Benzene	12.333	91	21685	0.053	ppbv	97
59) m/p-Xylene	12.346	91	29682	0.086	ppbv #	100
60) o-Xylene	13.040	91	47756	0.146	ppbv	96
71) 2-Chlorotoluene	14.899	91	7586	0.020	ppbv	93
72) 4-Ethyltoluene	15.175	105	9309	0.026	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.339	105	11202	0.036	ppbv	89
74) 1,2,4-Trimethylbenzene	16.089	105	67489	0.196	ppbv #	70

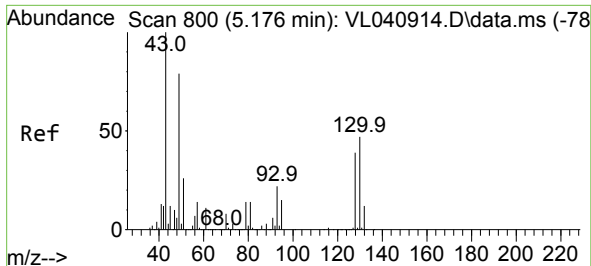
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040975.D
Acq On : 15 Jan 2024 18:13
Operator : SY/MD
Sample : P1138-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

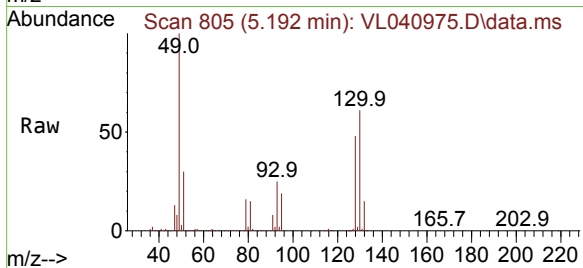
Quant Time: Jan 16 03:39:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration



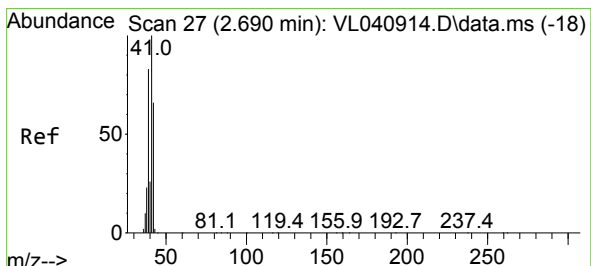
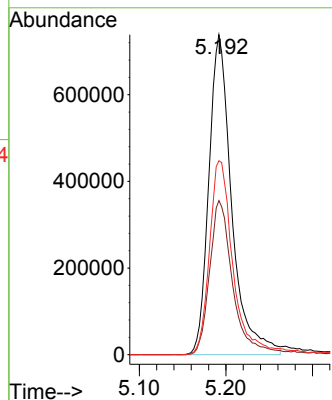
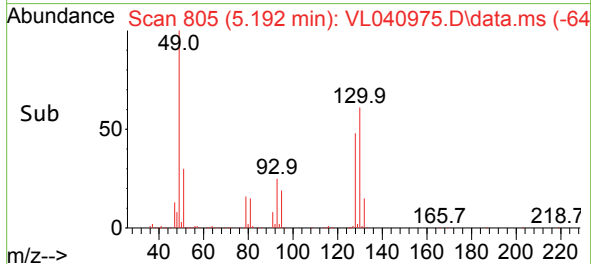


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

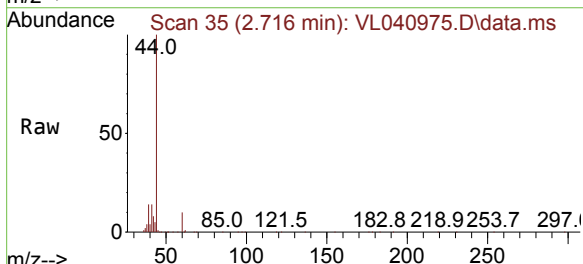
Instrument :
MSVOA_L
ClientSampleId :



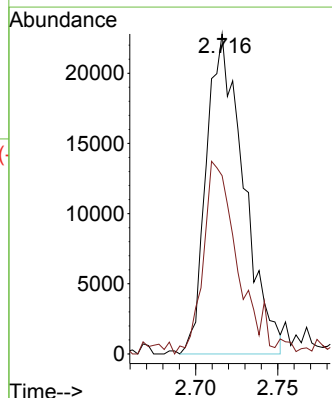
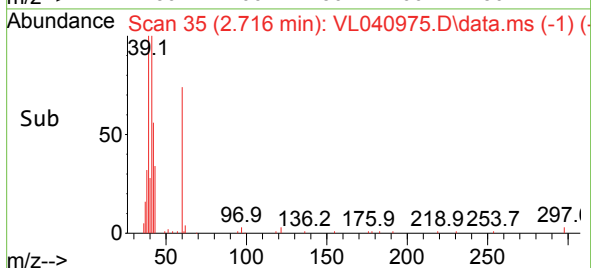
Tgt Ion: 49 Resp: 1356798
Ion Ratio Lower Upper
49 100
128 49.5 23.8 71.2
130 64.2 30.1 90.5

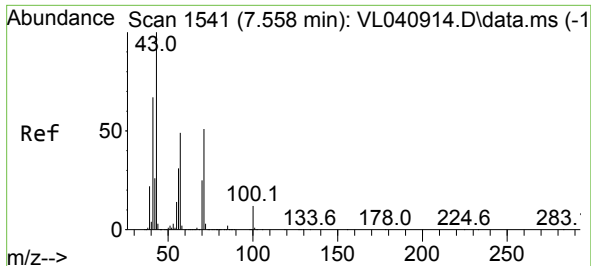


#9
Propene
Concen: 0.534 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.029 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13



Tgt Ion: 41 Resp: 35982
Ion Ratio Lower Upper
41 100
42 57.7 55.8 83.6

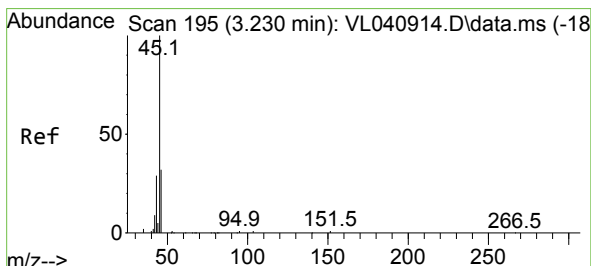
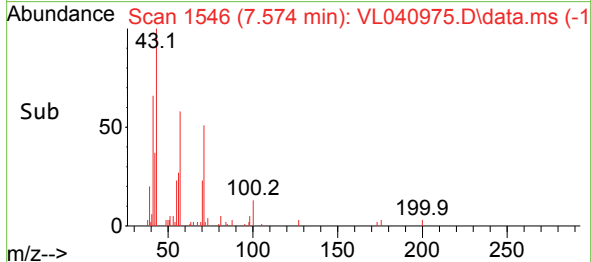
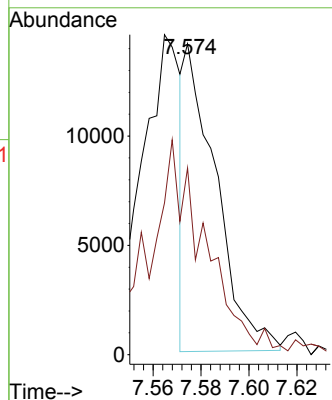
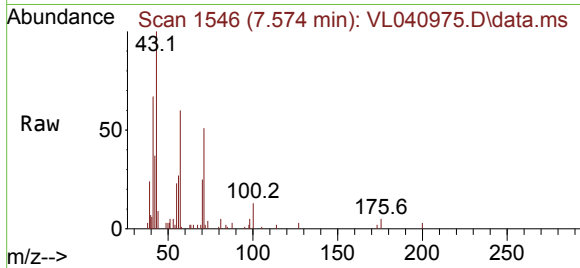




#10
 Heptane
 Concen: 0.077 ppbv
 RT: 7.574 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL040975.D
 Acq: 15 Jan 2024 18:13

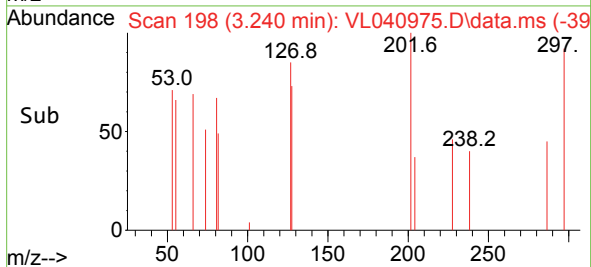
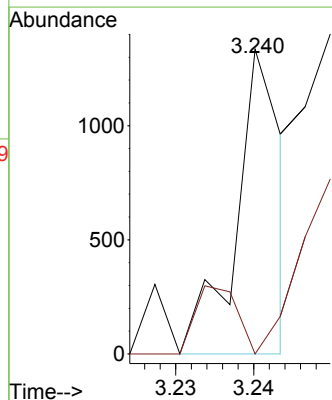
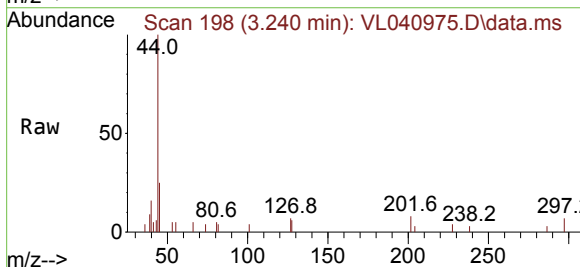
Instrument :
 MSVOA_L
 ClientSampleId :

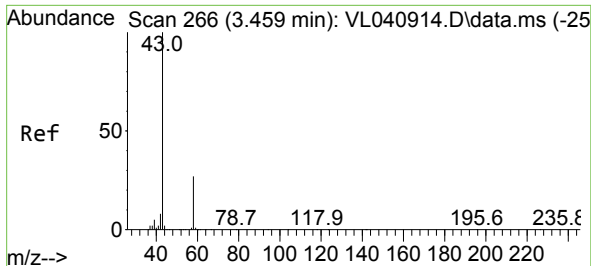
Tgt Ion: 43 Resp: 12838
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.3 58.9#



#13
 Ethanol
 Concen: 0.032 ppbv
 RT: 3.240 min Scan# 198
 Delta R.T. 0.010 min
 Lab File: VL040975.D
 Acq: 15 Jan 2024 18:13

Tgt Ion: 45 Resp: 547
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.0 60.0#

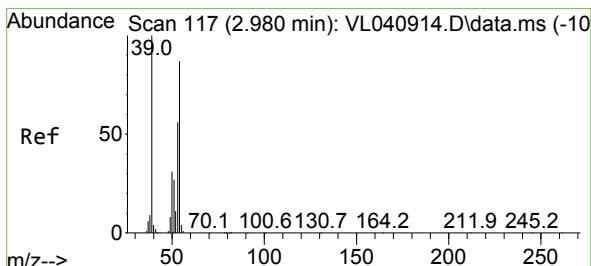
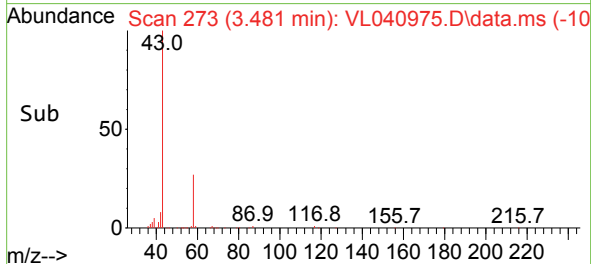
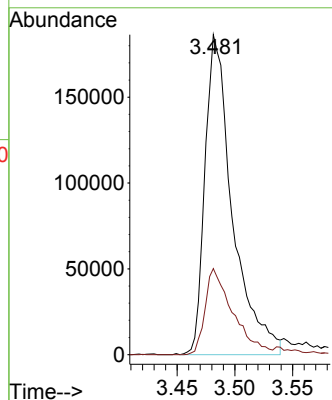
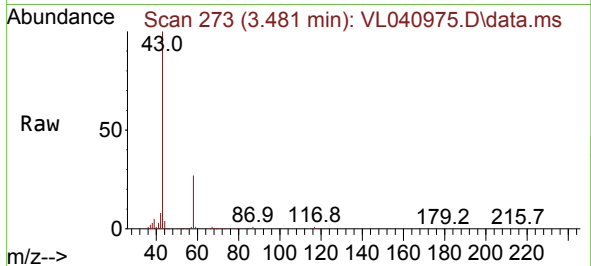




#15
Acetone
Concen: 1.896 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

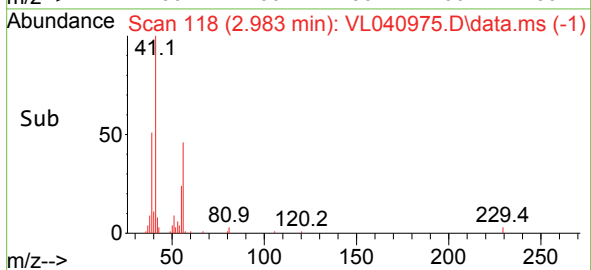
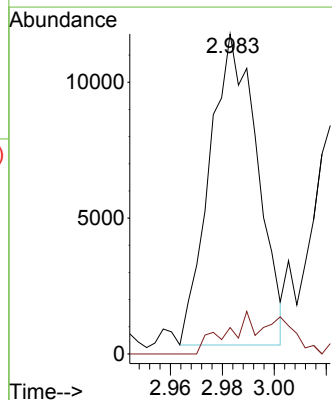
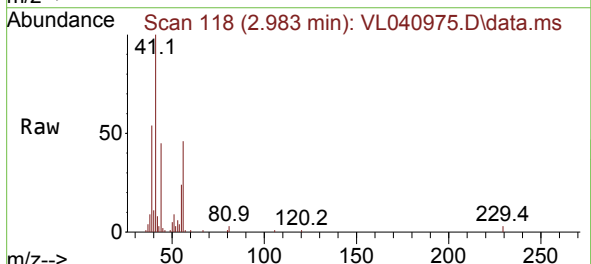
Instrument :
MSVOA_L
ClientSampleId :

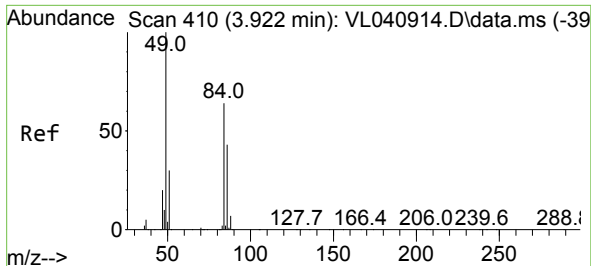
Tgt Ion: 43 Resp: 308482
Ion Ratio Lower Upper
43 100
58 29.2 20.6 30.8



#16
1,3-Butadiene
Concen: 0.208 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

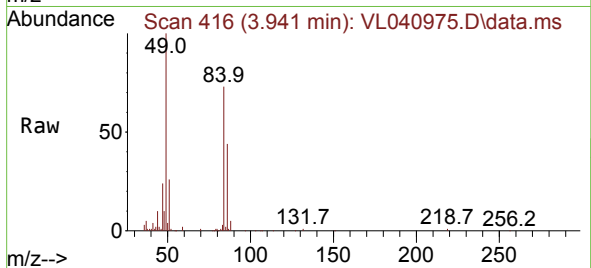
Tgt Ion: 39 Resp: 14590
Ion Ratio Lower Upper
39 100
54 17.5 63.8 95.6#



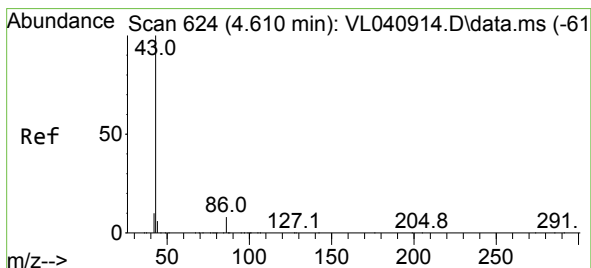
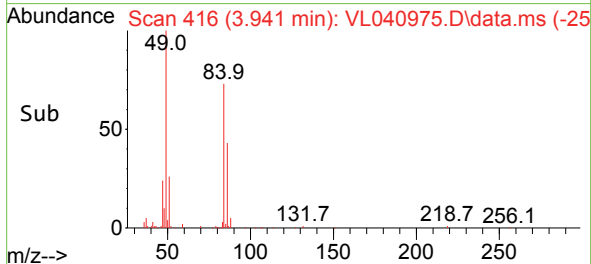
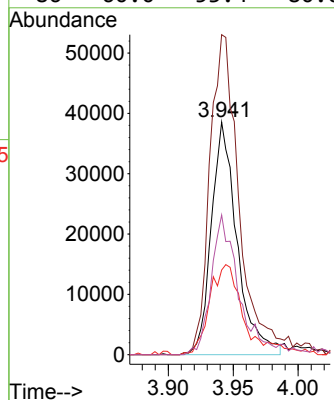


#20
Methylene Chloride
Concen: 0.917 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :

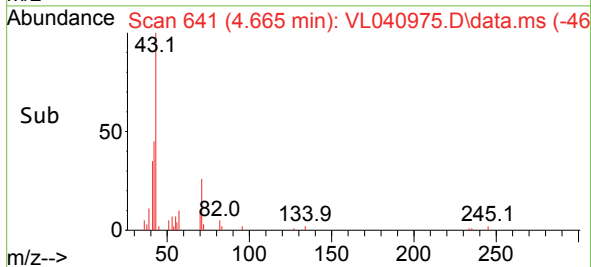
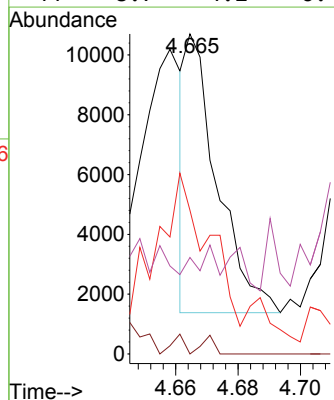
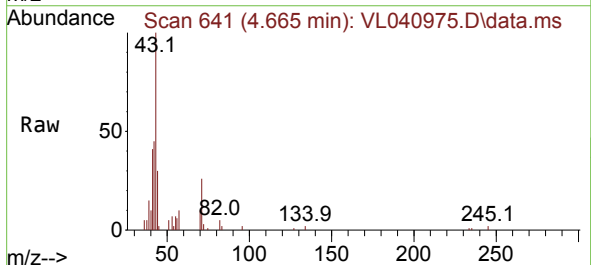


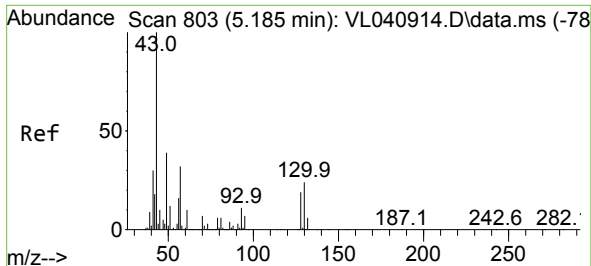
Tgt Ion: 84 Resp: 53197
Ion Ratio Lower Upper
84 100
49 137.6 124.6 187.0
51 36.4 37.2 55.8#
86 60.0 53.4 80.0



#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 4.665 min Scan# 641
Delta R.T. 0.055 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#
42 60.3 8.4 12.6#
44 8.7 4.2 6.4#

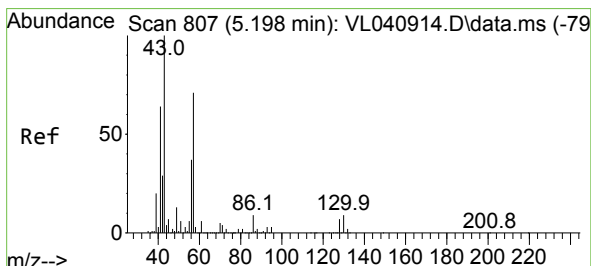
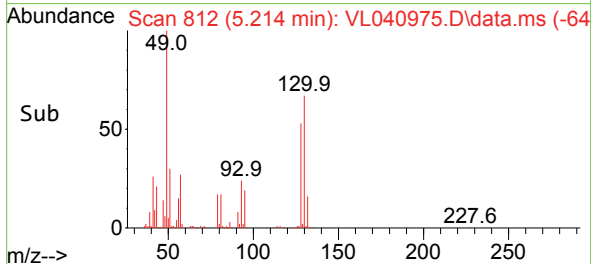
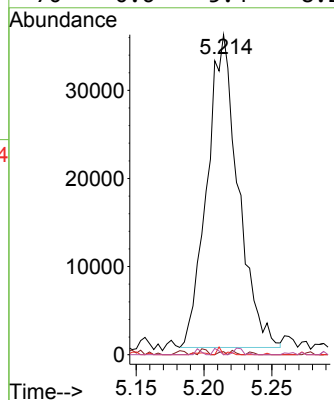
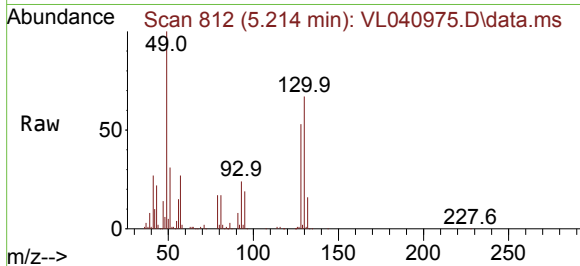




#25
Ethyl Acetate
Concen: 0.201 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.026 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

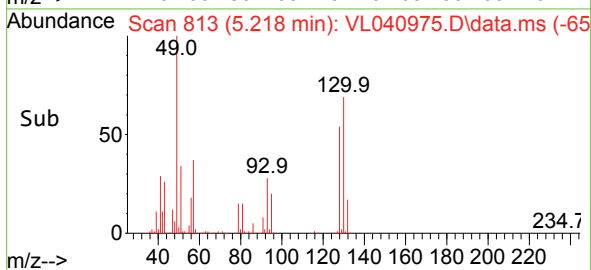
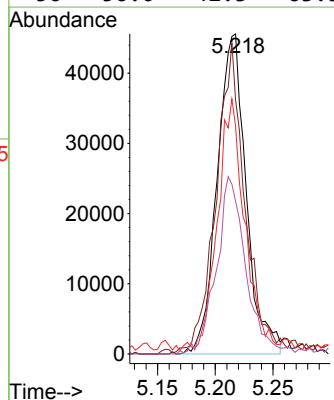
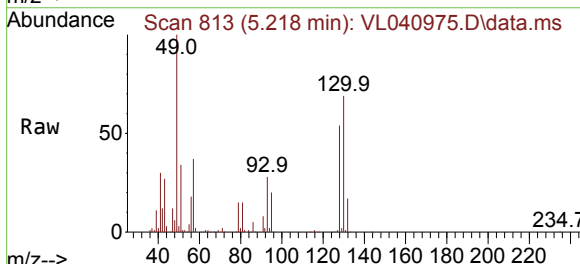
Instrument :
MSVOA_L
ClientSampleId :

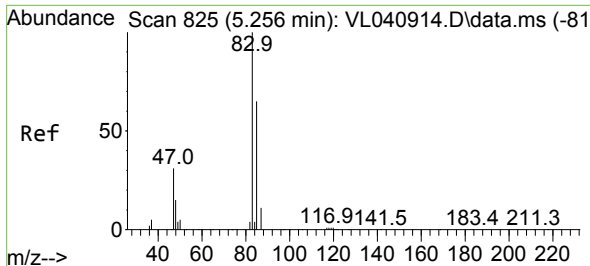
Tgt Ion: 43 Resp: 56792
Ion Ratio Lower Upper
43 100
45 0.6 8.2 12.2#
61 0.5 7.6 11.4#
70 0.6 5.4 8.2#



#26
Hexane
Concen: 0.638 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.023 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 57 Resp: 79763
Ion Ratio Lower Upper
57 100
41 101.7 75.2 112.8
43 74.8 188.0 282.0#
56 56.0 42.3 63.5

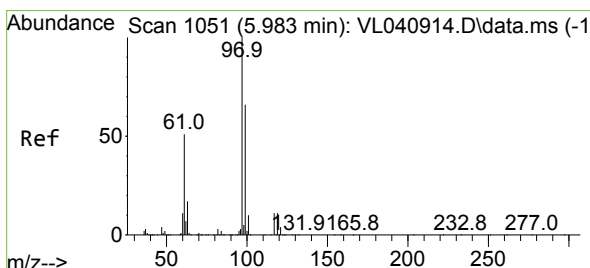
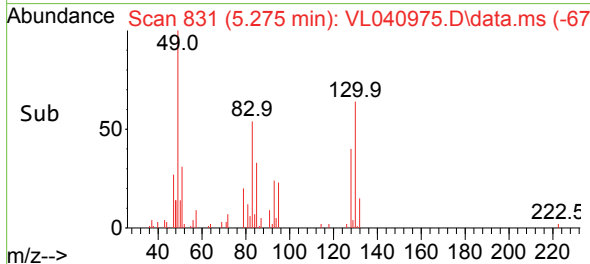
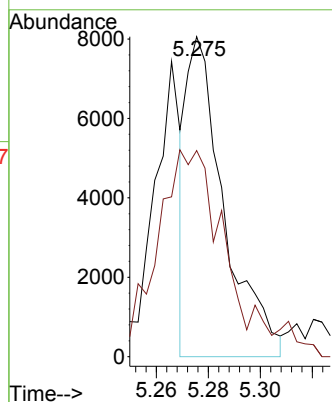
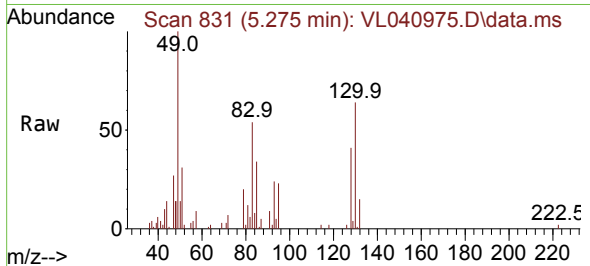




#29
Chloroform
Concen: 0.038 ppbv
RT: 5.275 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

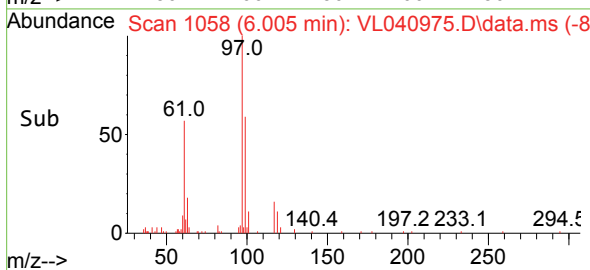
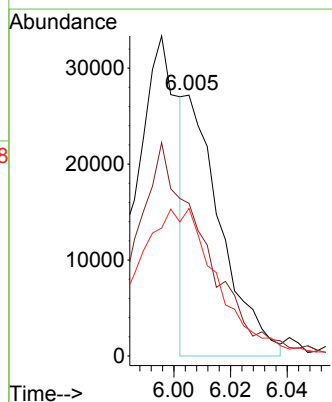
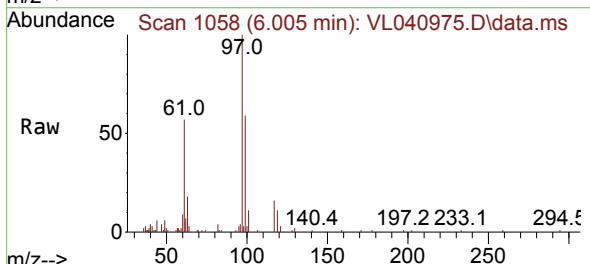
Instrument :
MSVOA_L
ClientSampleId :

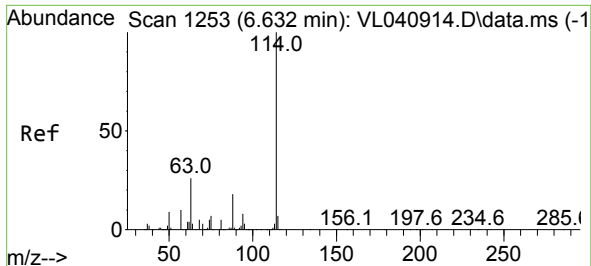
Tgt Ion: 83 Resp: 8117
Ion Ratio Lower Upper
83 100
85 59.8 52.3 78.5



#32
1,1,1-Trichloroethane
Concen: 0.116 ppbv
RT: 6.005 min Scan# 1058
Delta R.T. 0.019 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 97 Resp: 23703
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 135.9 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

Instrument :

MSVOA_L

ClientSampleId :

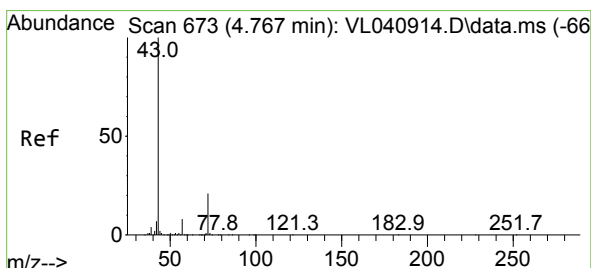
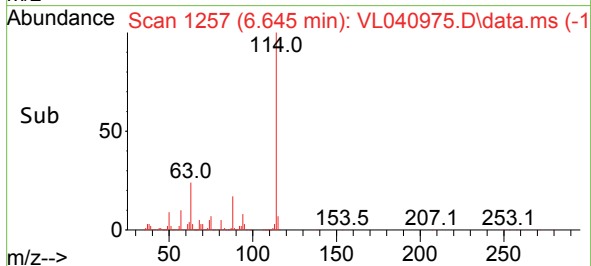
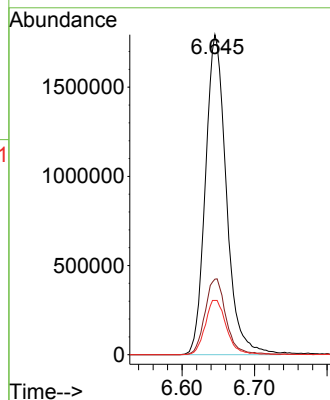
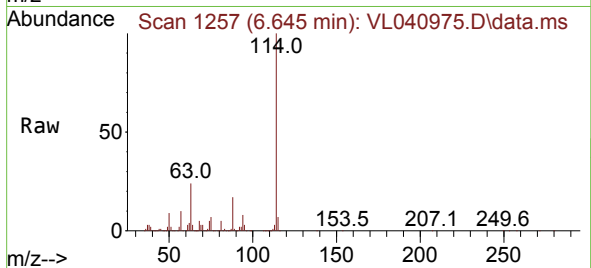
Tgt Ion:114 Resp: 3596739

Ion Ratio Lower Upper

114 100

63 24.1 21.0 31.6

88 17.5 14.3 21.5



#34

2-Butanone

Concen: 2.740 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.019 min

Lab File: VL040975.D

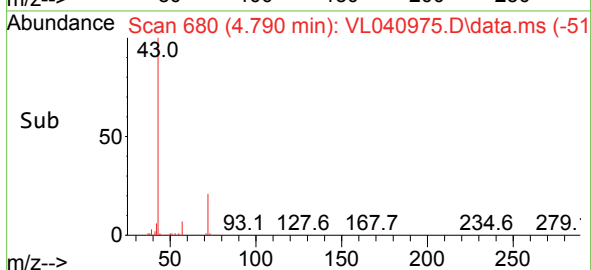
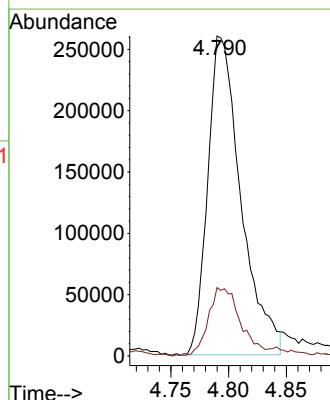
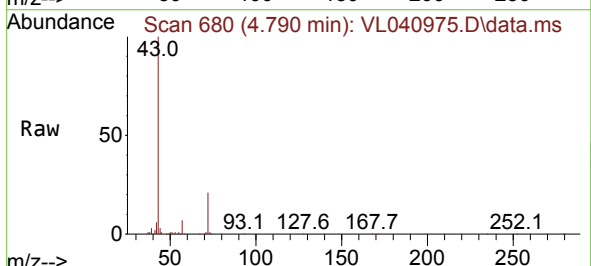
Acq: 15 Jan 2024 18:13

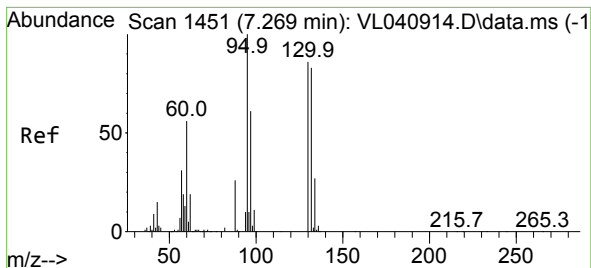
Tgt Ion: 43 Resp: 521372

Ion Ratio Lower Upper

43 100

72 23.0 17.2 25.8





#38

Trichloroethene

Concen: 0.940 ppbv

RT: 7.282 min Scan# 1451

Delta R.T. 0.013 min

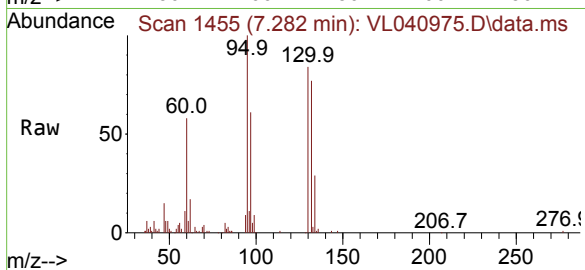
Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:130 Resp: 99265

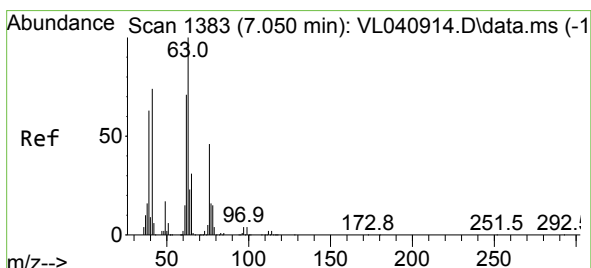
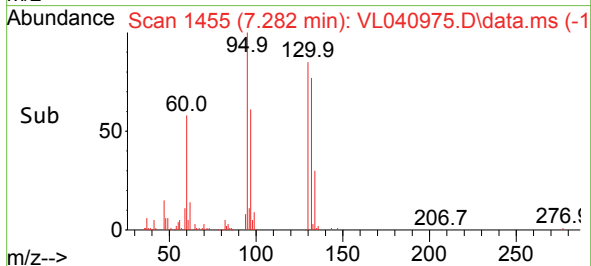
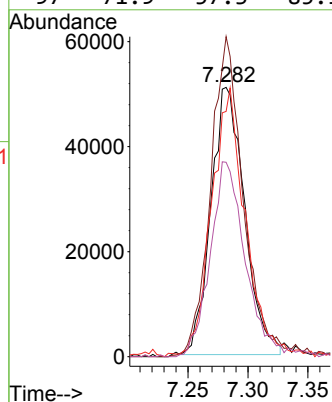
Ion Ratio Lower Upper

130 100

95 118.6 93.5 140.3

132 90.9 77.4 116.2

97 71.9 57.3 85.9



#39

1,2-Dichloropropane

Concen: 7.697 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.405 min

Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

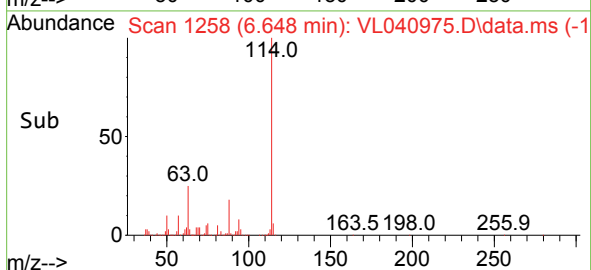
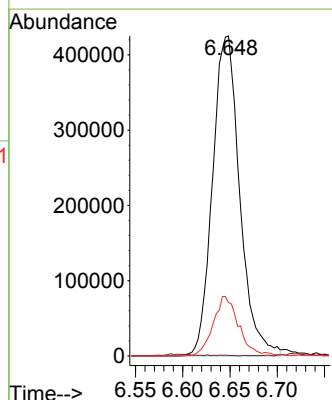
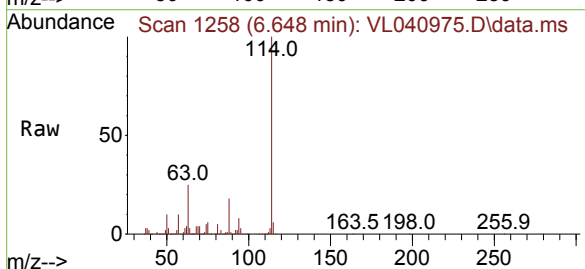
Tgt Ion: 63 Resp: 850492

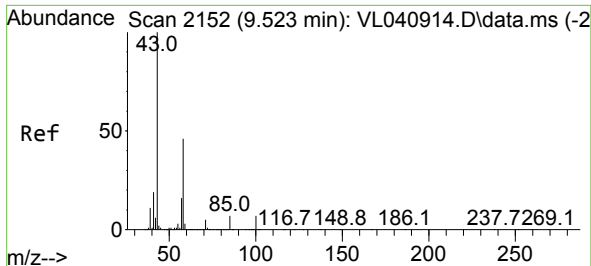
Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 16.7 56.6 85.0#

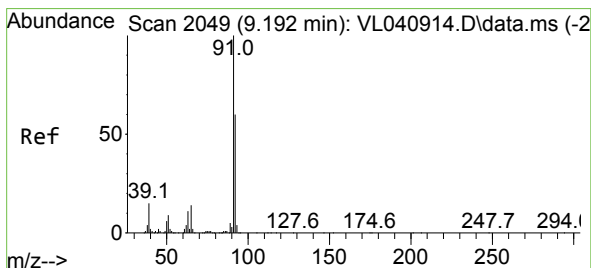
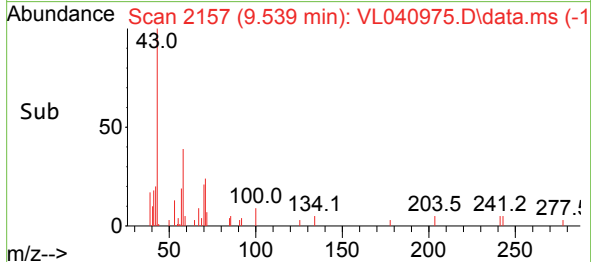
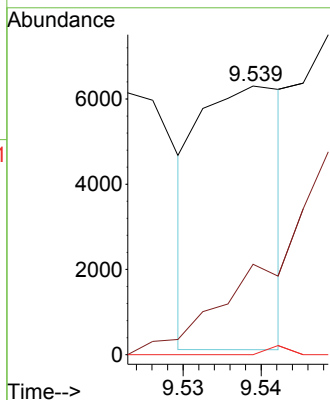
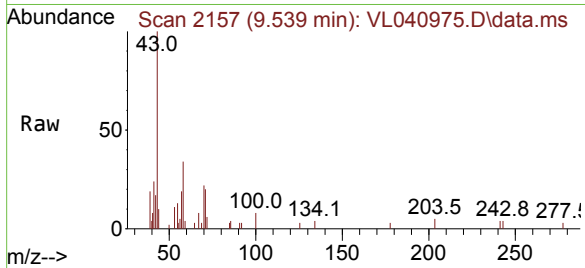




#51
2-Hexanone
Concen: 0.022 ppbv
RT: 9.539 min Scan# 2152
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

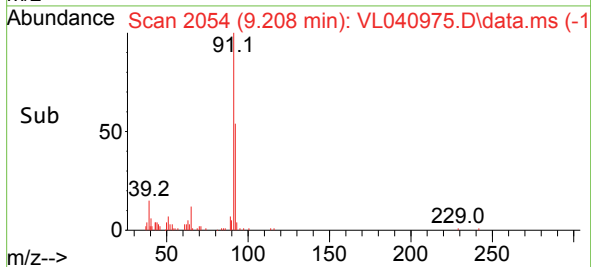
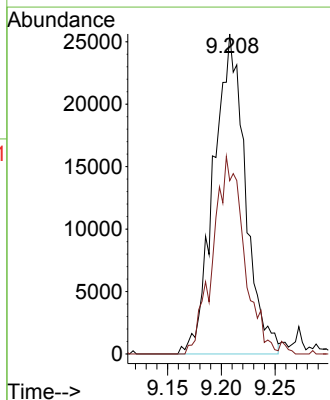
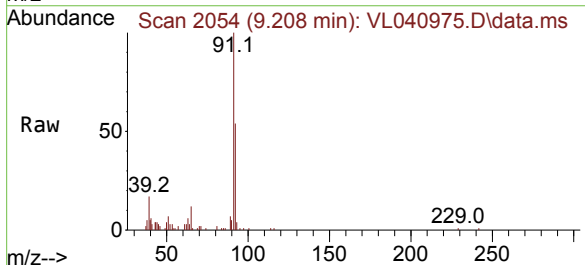
Instrument :
MSVOA_L
ClientSampleId :

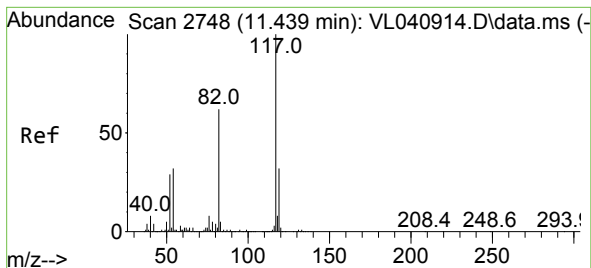
Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 0.0 0.2 0.2#



#53
Toluene
Concen: 0.168 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 91 Resp: 52472
Ion Ratio Lower Upper
91 100
92 61.5 49.2 73.8

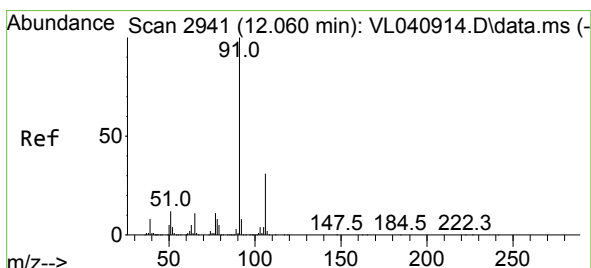
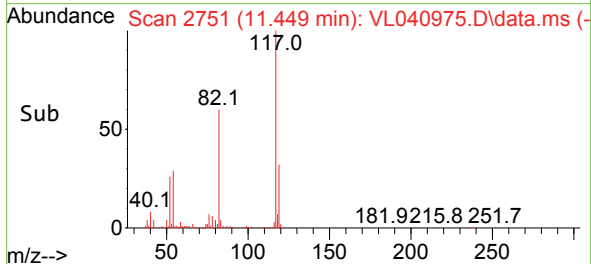
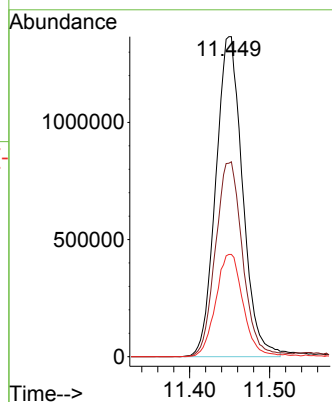
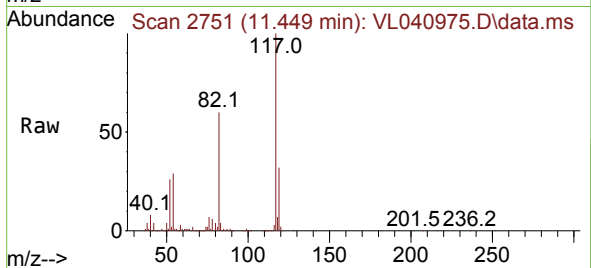




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

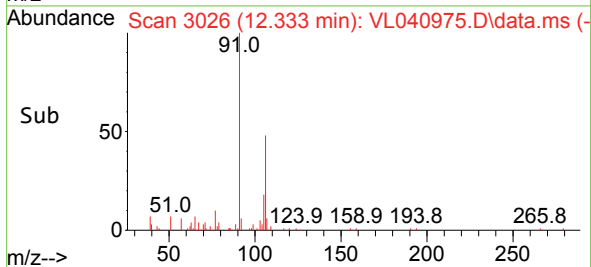
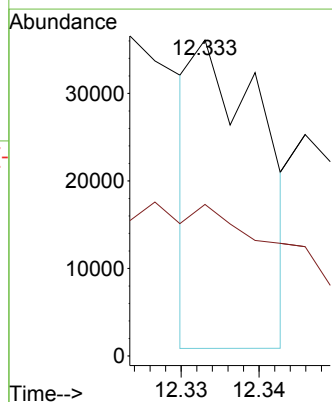
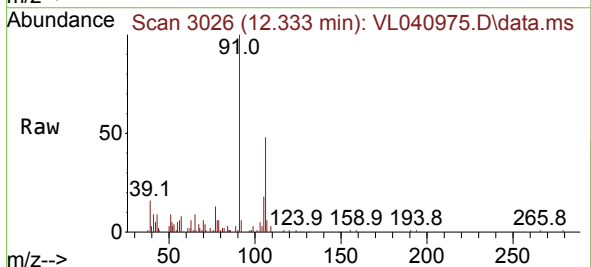
Instrument :
MSVOA_L
ClientSampleId :

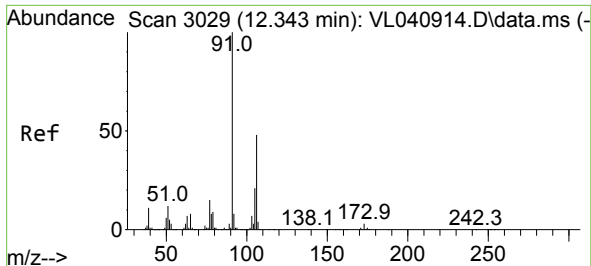
Tgt Ion:117 Resp: 3173128
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 33.3 23.4 35.0



#58
Ethyl Benzene
Concen: 0.053 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. 0.270 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 91 Resp: 21685
Ion Ratio Lower Upper
91 100
106 29.4 24.9 37.3





#59

m/p-Xylene

Concen: 0.086 ppbv

RT: 12.346 min Scan# 3029

Delta R.T. -0.003 min

Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

Instrument :

MSVOA_L

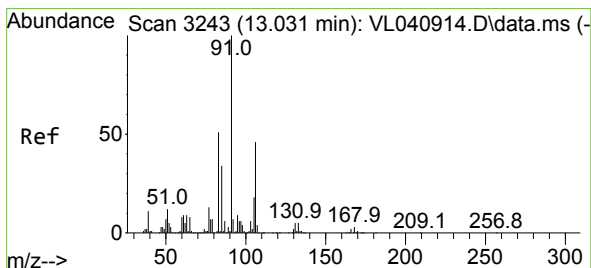
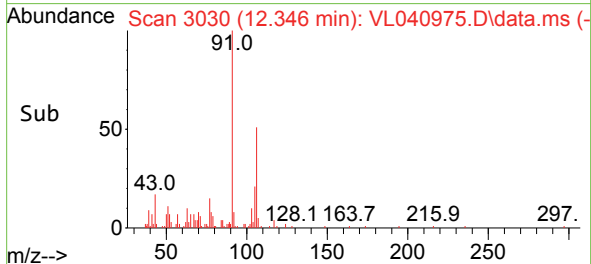
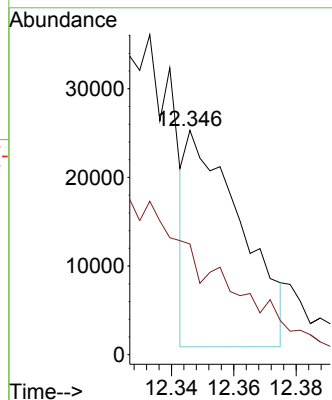
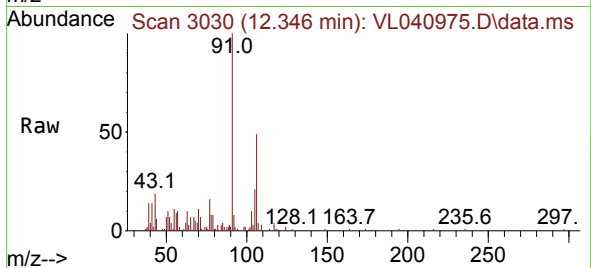
ClientSampleId :

Tgt Ion: 91 Resp: 29682

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.146 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. 0.006 min

Lab File: VL040975.D

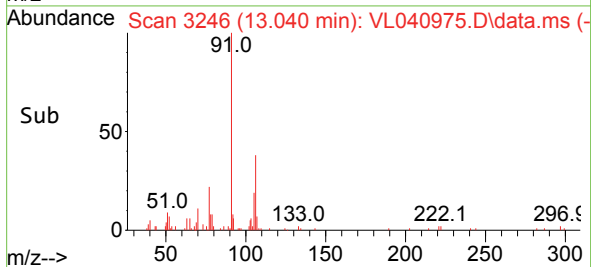
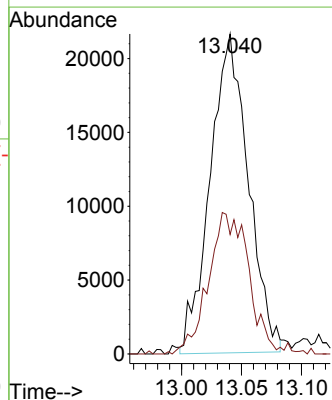
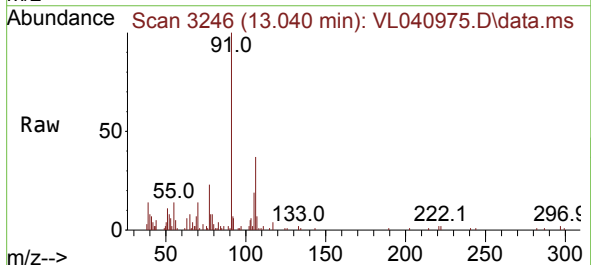
Acq: 15 Jan 2024 18:13

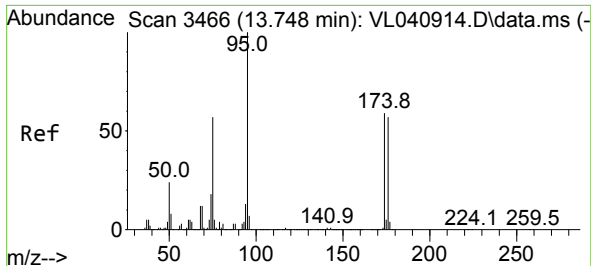
Tgt Ion: 91 Resp: 47756

Ion Ratio Lower Upper

91 100

106 47.5 22.6 67.7

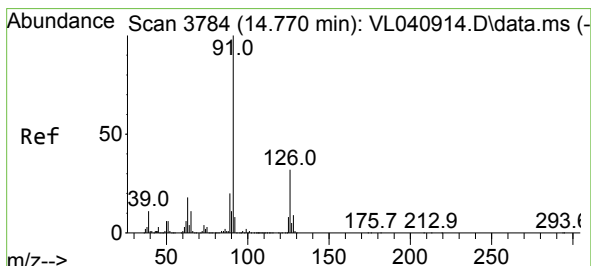
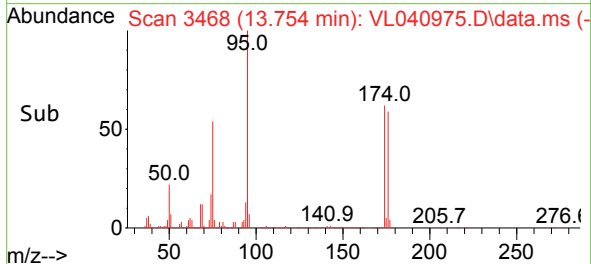
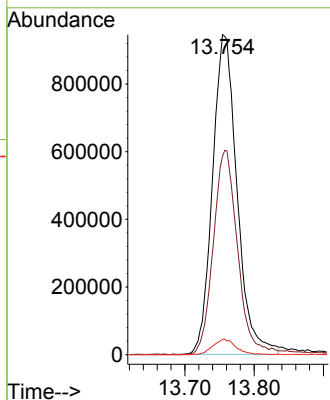
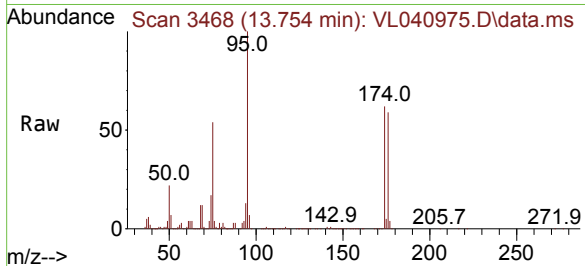




#68
1-Bromo-4-Fluorobenzene
Concen: 9.966 ppbv
RT: 13.754 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

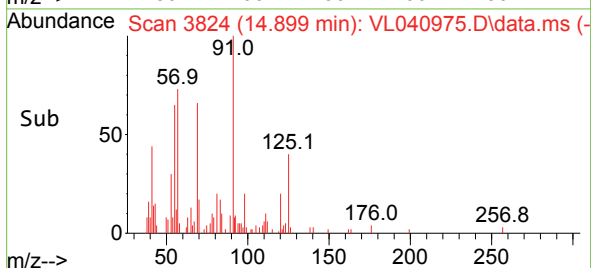
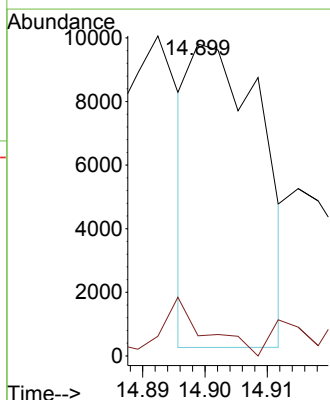
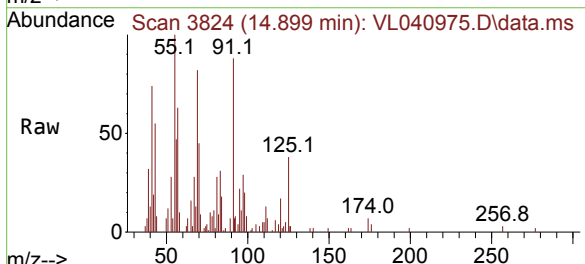
Instrument :
MSVOA_L
ClientSampleId :

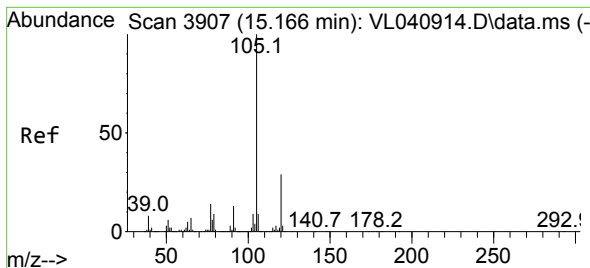
Tgt Ion: 95 Resp: 2329237
Ion Ratio Lower Upper
95 100
174 65.0 48.0 72.0
175 4.7 3.7 5.5



#71
2-Chlorotoluene
Concen: 0.020 ppbv
RT: 14.899 min Scan# 3824
Delta R.T. 0.122 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 91 Resp: 7586
Ion Ratio Lower Upper
91 100
126 34.9 12.4 49.6

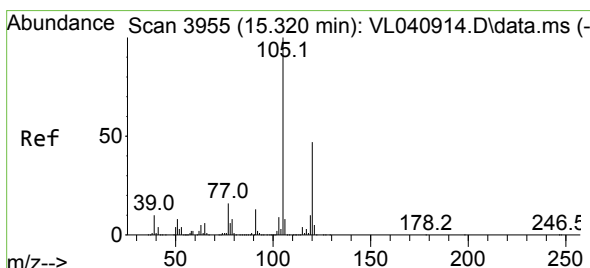
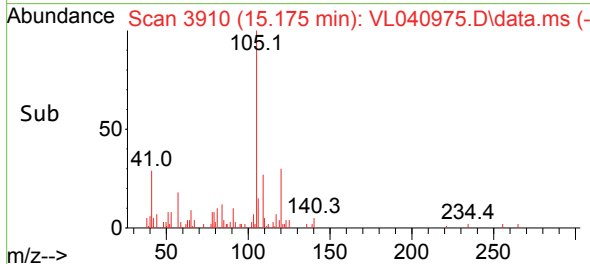
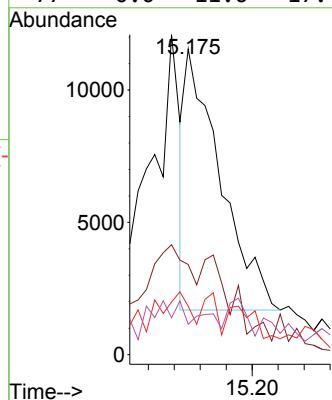
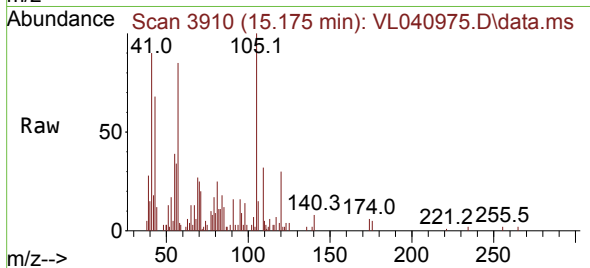




#72
4-Ethyltoluene
Concen: 0.026 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

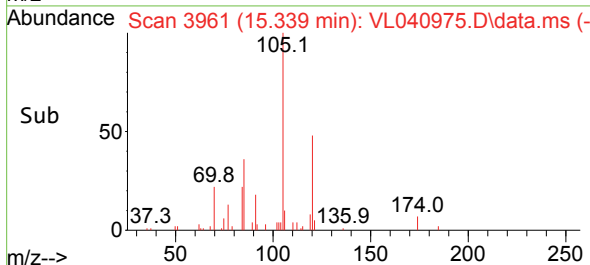
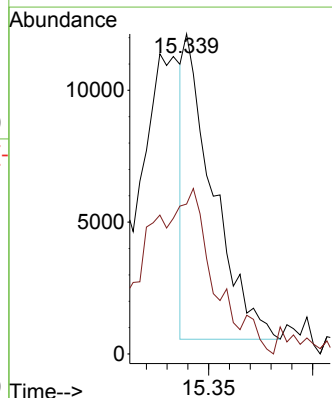
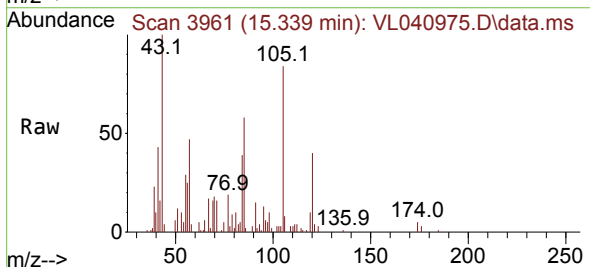
Instrument :
MSVOA_L
ClientSampleId :

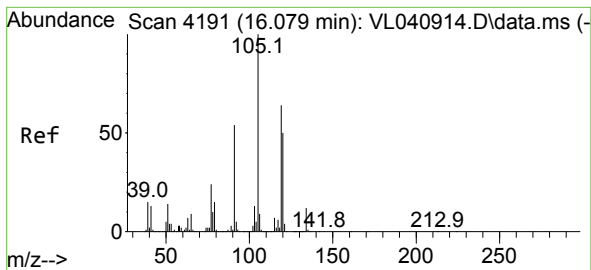
Tgt Ion:	105	Resp:	9309
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.8	35.8#
91	31.3	10.9	16.3#
77	0.0	11.6	17.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 15.339 min Scan# 3961
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

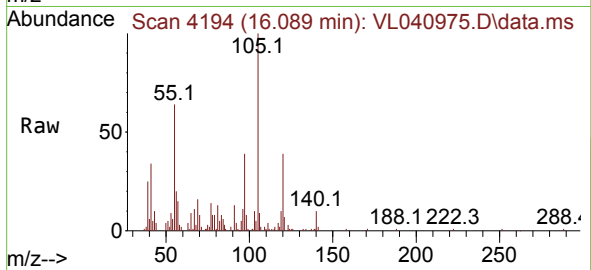
Tgt Ion:	105	Resp:	11202
Ion Ratio	Lower	Upper	
105	100		
120	40.2	37.8	56.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.196 ppbv
 RT: 16.089 min Scan# 4194
 Delta R.T. 0.003 min
 Lab File: VL040975.D
 Acq: 15 Jan 2024 18:13

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	105	Resp:	67489
Ion	Ratio	Lower	Upper
105	100		
120	45.2	40.2	60.4
91	11.1	43.0	64.6#
77	19.5	18.9	28.3

