

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040014.D
 Acq On : 13 Dec 2022 20:52
 Operator : SY/MD
 Sample : N5971-12DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Dec 21 15:06:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1114708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	3028427	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2641990	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2010213	9.961	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	14405	0.090	ppbv	90
3) Chlorodifluoromethane	2.658	51	14039	0.091	ppbv	99
4) Chloromethane	2.793	50	4420	0.045	ppbv	98
9) Propene	2.687	41	12698	0.175	ppbv	87
13) Ethanol	3.221	45	385636	69.711	ppbv	98
15) Acetone	3.456	43	220081	1.489	ppbv	98
19) Isopropyl Alcohol	3.571	45	39073	0.488	ppbv #	1
20) Methylene Chloride	3.919	84	180881	2.525	ppbv	99
25) Ethyl Acetate	5.195	43	66498	0.245	ppbv #	81
26) Hexane	5.198	57	93414	0.788	ppbv #	40
34) 2-Butanone	4.777	43	13246	0.091	ppbv #	51
39) 1,2-Dichloropropane	6.632	63	740948	7.388	ppbv #	25
53) Toluene	9.208	91	17616	0.060	ppbv #	49

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

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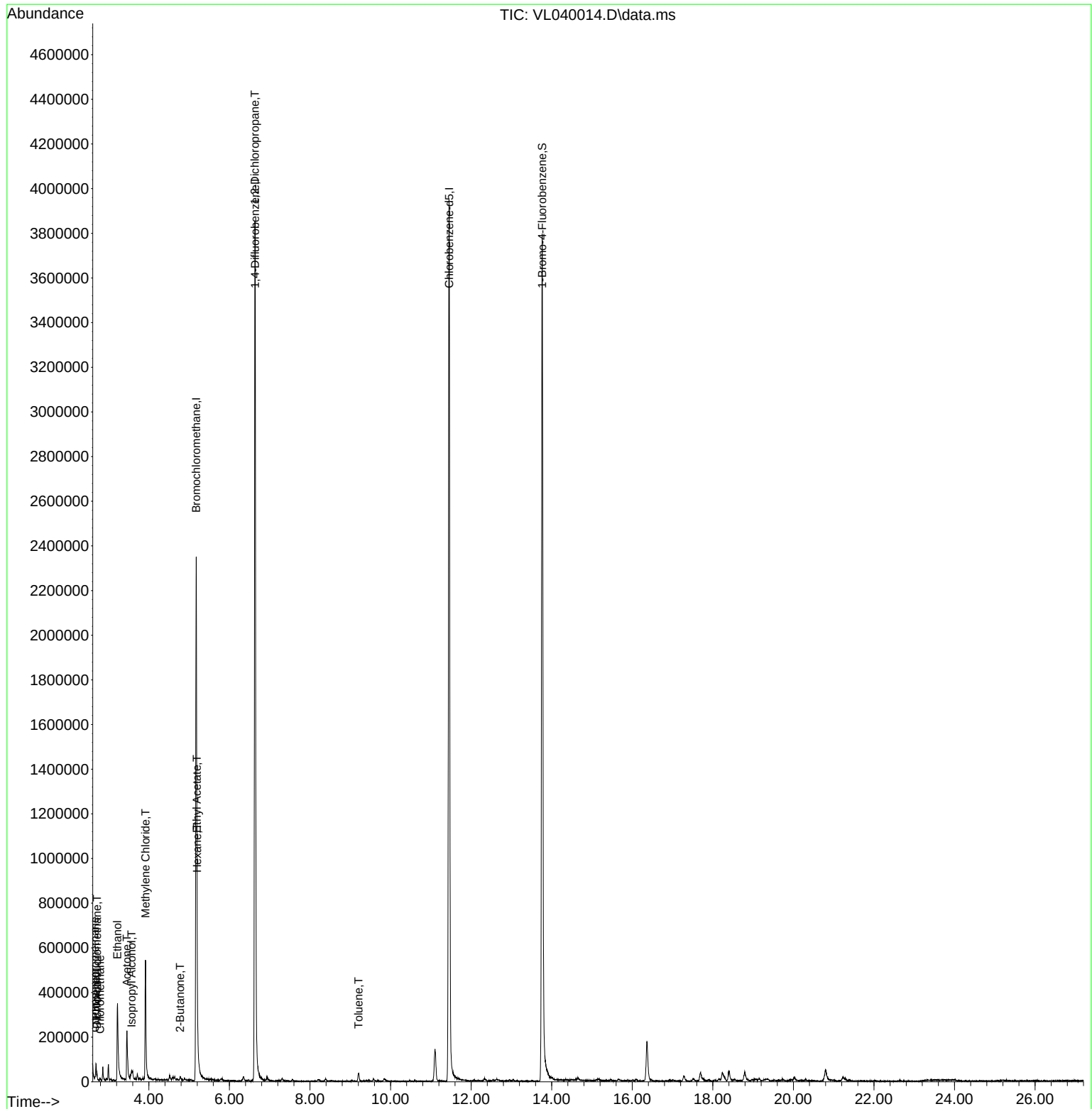
Quant Time: Dec 21 15:06:32 2022

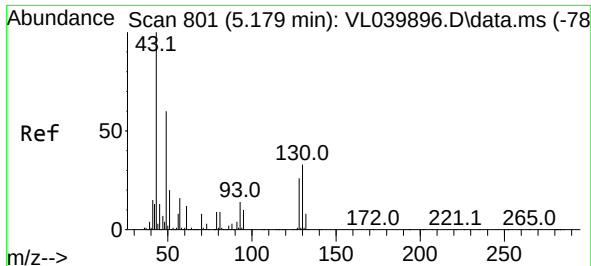
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

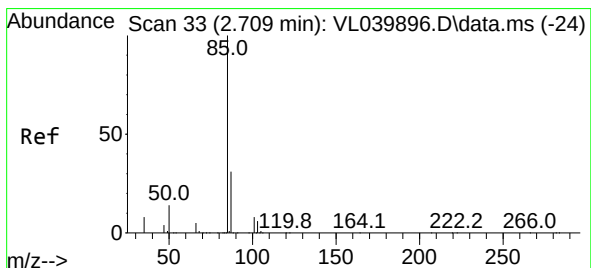
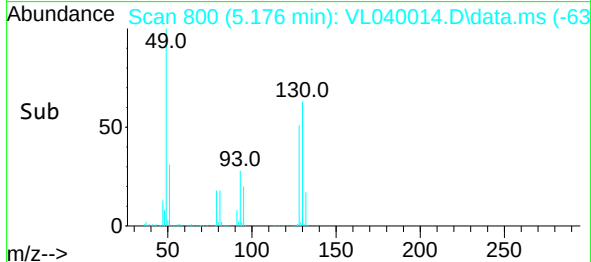
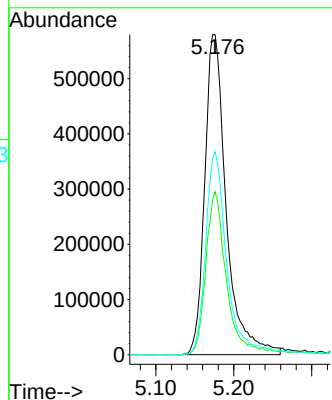
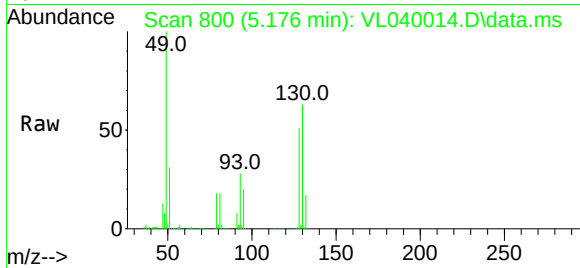




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. 0.020 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

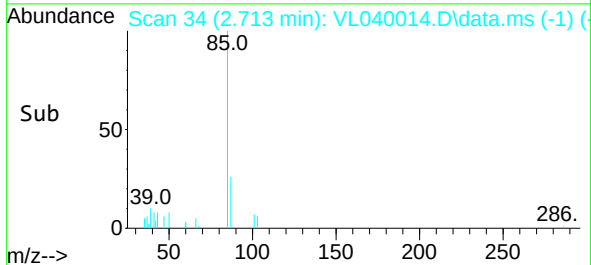
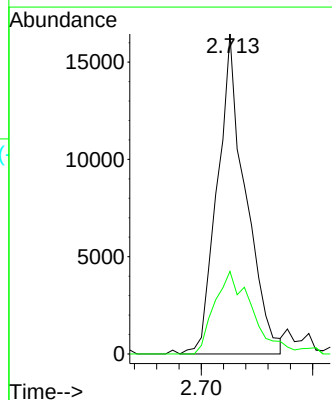
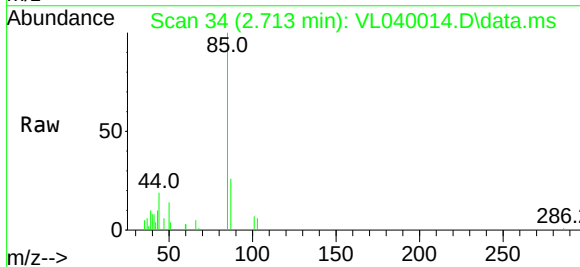
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

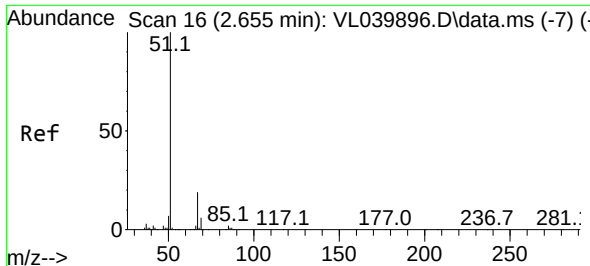
Tgt Ion: 49 Resp: 1114708
 Ion Ratio Lower Upper
 49 100
 128 50.6 22.1 66.3
 130 63.9 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.090 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.016 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

Tgt Ion: 85 Resp: 14405
 Ion Ratio Lower Upper
 85 100
 87 25.8 25.0 37.4

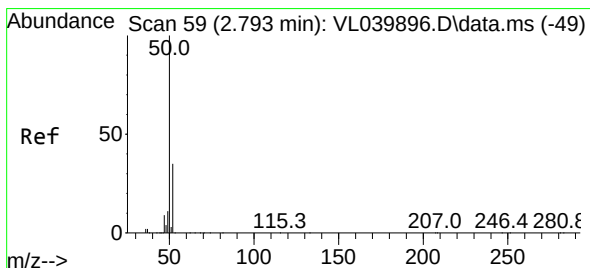
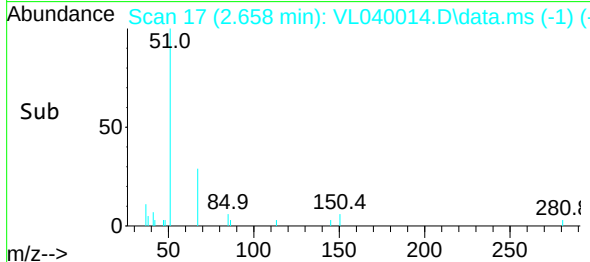
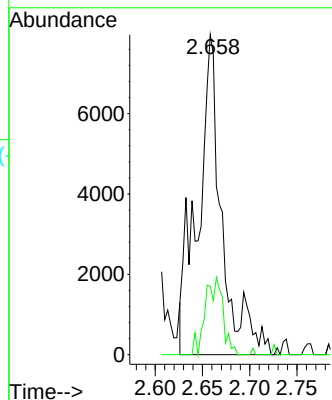
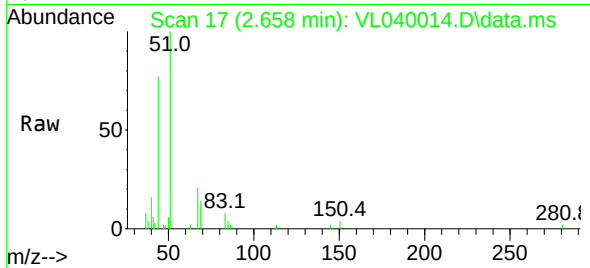




#3
Chlorodifluoromethane
Concen: 0.091 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

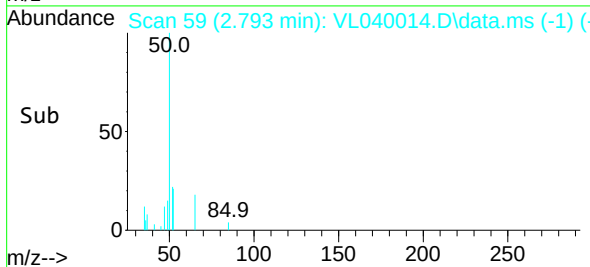
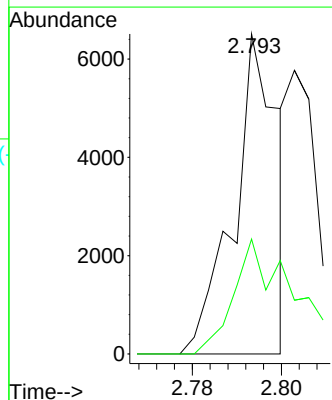
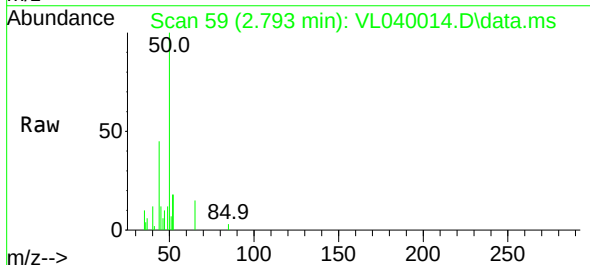
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

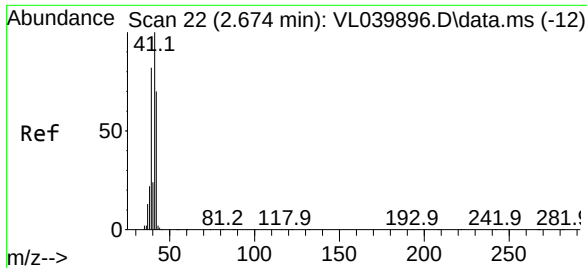
Tgt Ion: 51 Resp: 14039
Ion Ratio Lower Upper
51 100
67 18.0 14.2 21.4



#4
Chloromethane
Concen: 0.045 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 50 Resp: 4420
Ion Ratio Lower Upper
50 100
52 35.9 27.8 41.8

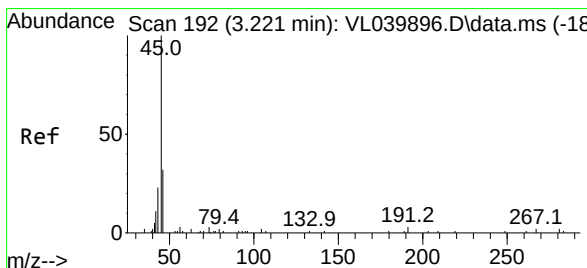
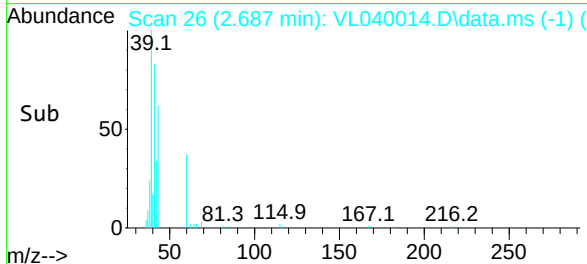
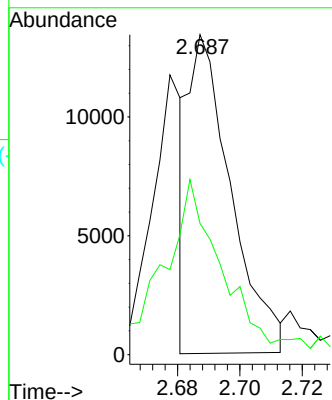
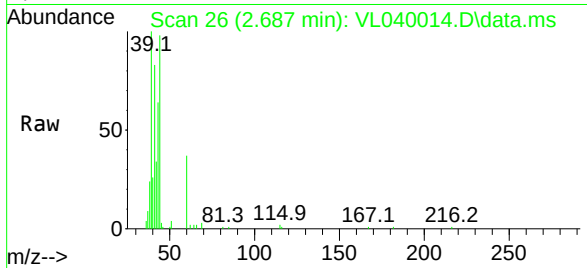




#9
 Propene
 Concen: 0.175 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.026 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

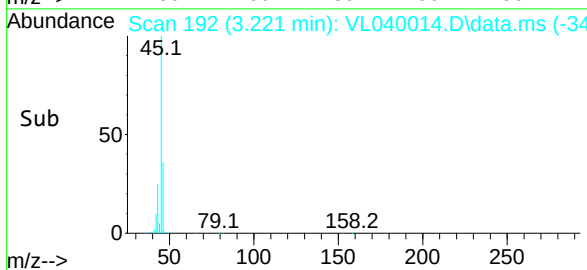
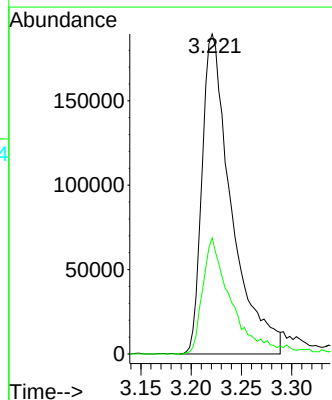
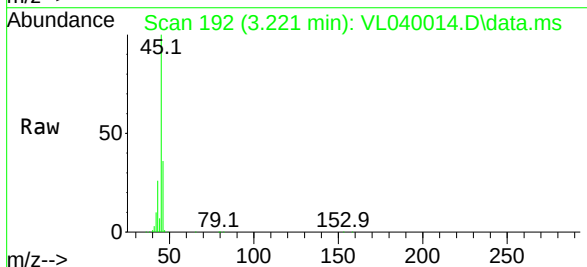
Instrument :
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 ClientSampleId :
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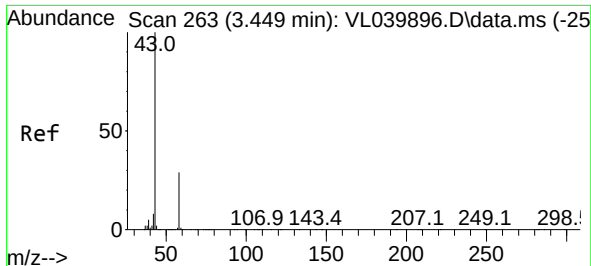
Tgt Ion: 41 Resp: 12698
 Ion Ratio Lower Upper
 41 100
 42 80.1 55.8 83.6



#13
 Ethanol
 Concen: 69.711 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. 0.007 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

Tgt Ion: 45 Resp: 385636
 Ion Ratio Lower Upper
 45 100
 46 37.6 14.6 58.2

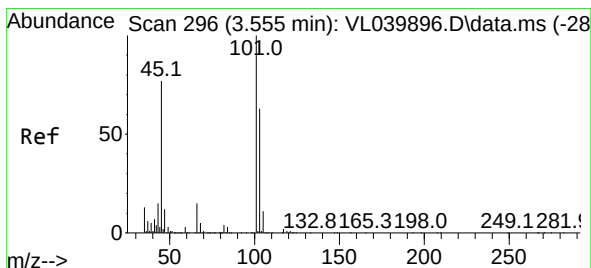
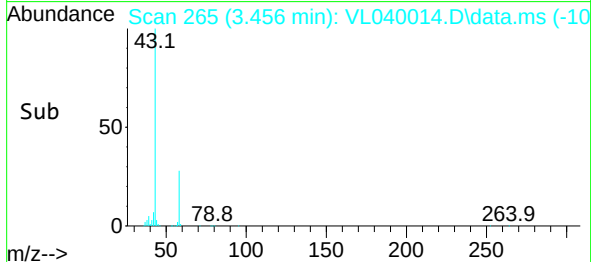
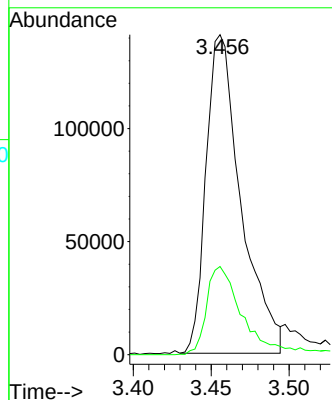
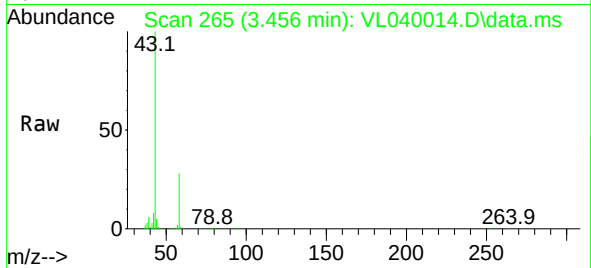




#15
Acetone
Concen: 1.489 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

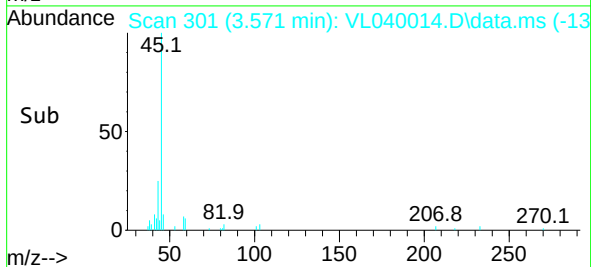
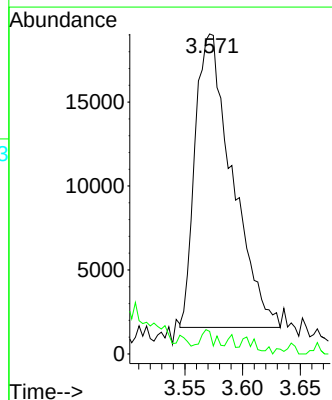
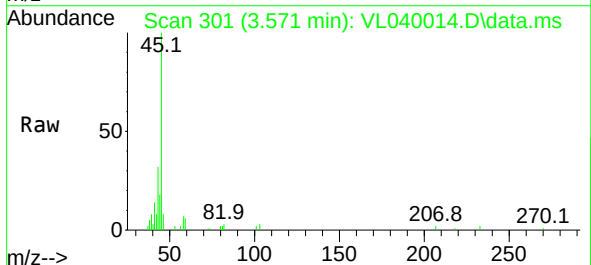
Instrument :
MSVOA_L
ClientSampleId :
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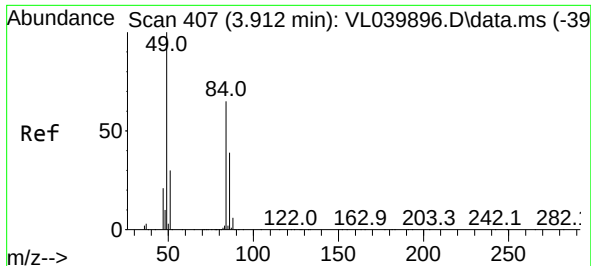
Tgt Ion: 43 Resp: 220081
Ion Ratio Lower Upper
43 100
58 29.9 22.9 34.3



#19
Isopropyl Alcohol
Concen: 0.488 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.029 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 45 Resp: 39073
Ion Ratio Lower Upper
45 100
58 172.5 38.7 58.1#

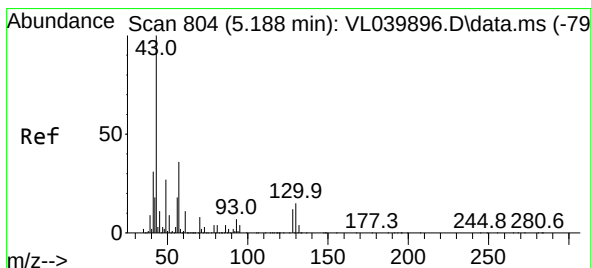
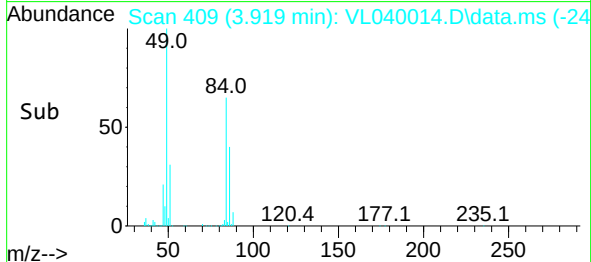
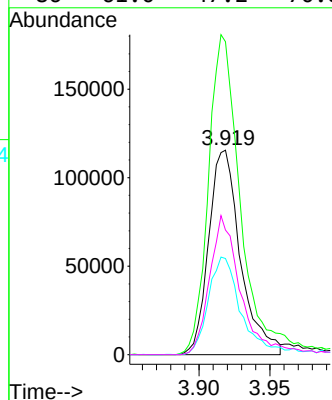
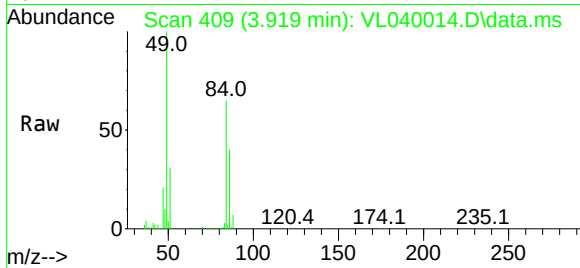




#20
Methylene Chloride
Concen: 2.525 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

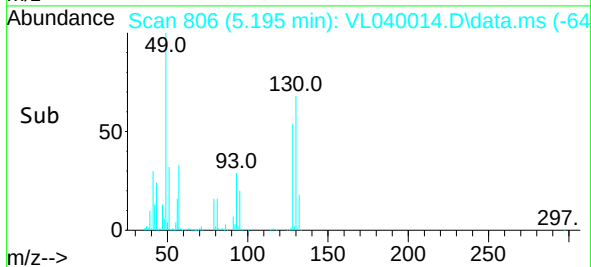
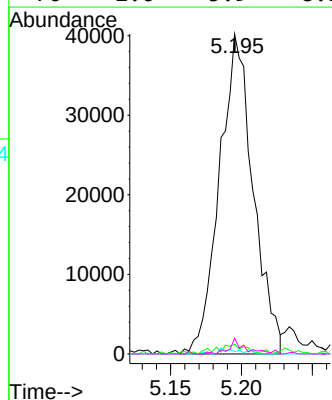
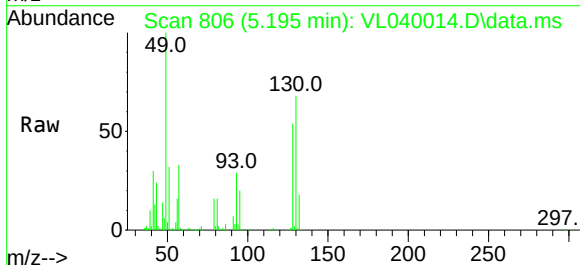
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

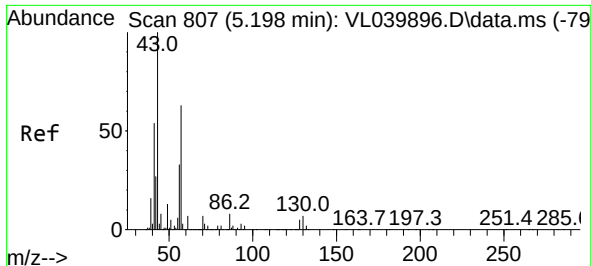
Tgt Ion: 84 Resp: 180881
Ion Ratio Lower Upper
84 100
49 152.5 122.2 183.4
51 46.8 36.3 54.5
86 61.0 47.2 70.8



#25
Ethyl Acetate
Concen: 0.245 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.026 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 43 Resp: 66498
Ion Ratio Lower Upper
43 100
45 4.1 8.4 12.6#
61 1.1 8.5 12.7#
70 2.6 5.9 8.9#



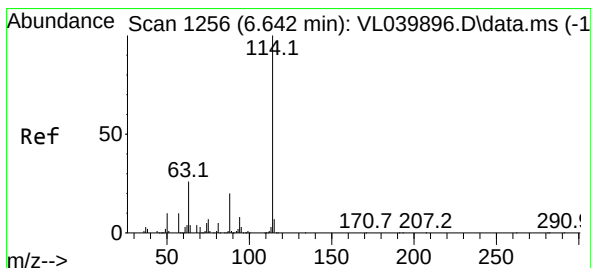
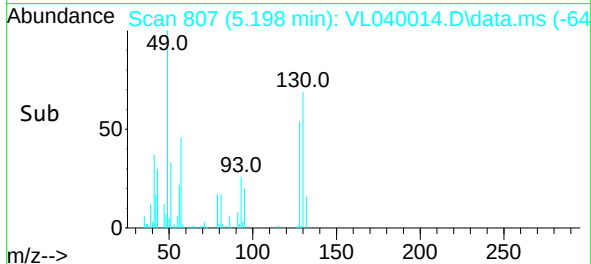
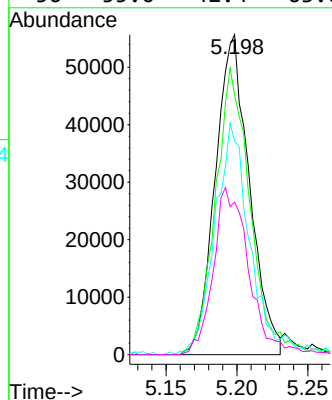
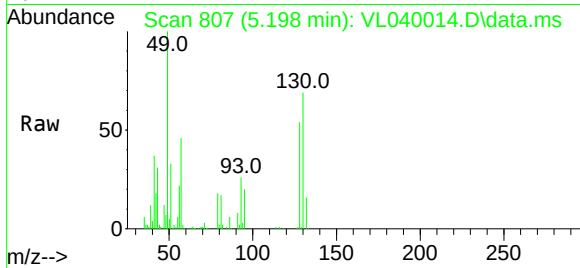


#26
Hexane
Concen: 0.788 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 57 Resp: 93414

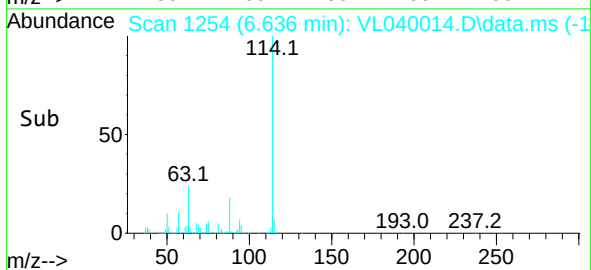
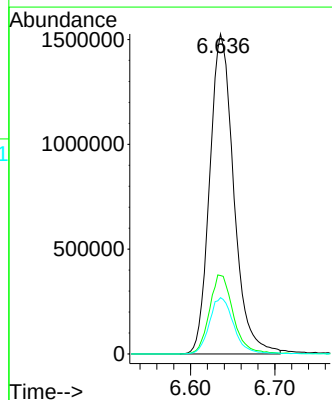
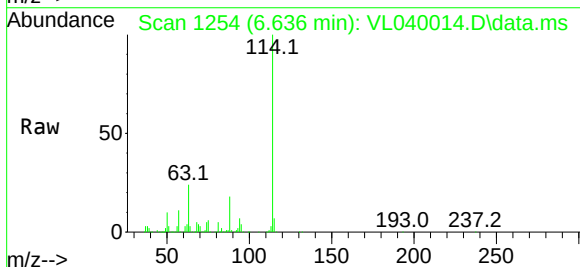
Ion	Ratio	Lower	Upper
57	100		
41	93.1	72.3	108.5
43	76.1	188.7	283.1#
56	55.0	42.4	63.6

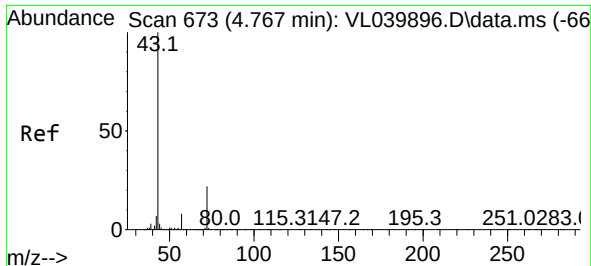


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.636 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 114 Resp: 3028427

Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.4	32.0
88	17.9	15.3	22.9

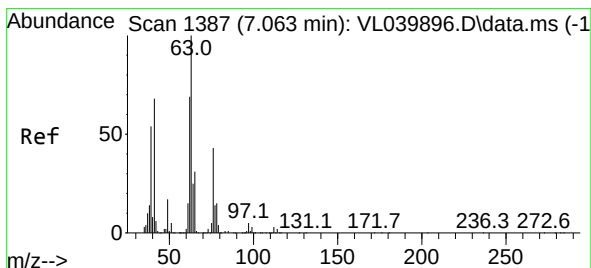
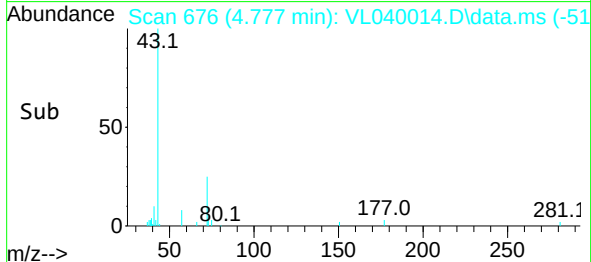
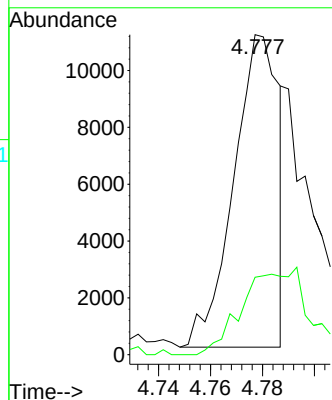
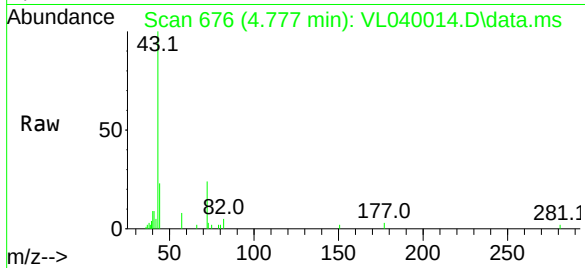




#34
2-Butanone
Concen: 0.091 ppbv
RT: 4.777 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

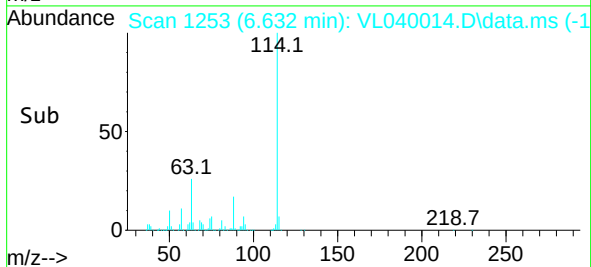
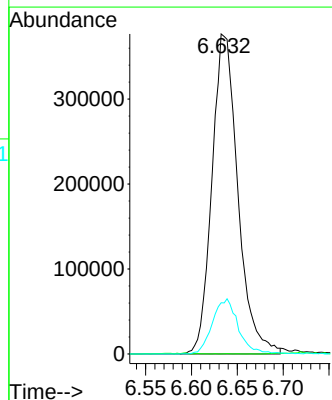
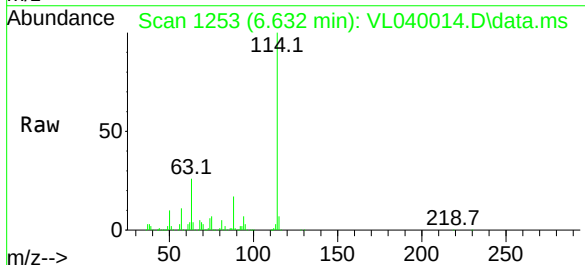
Instrument :
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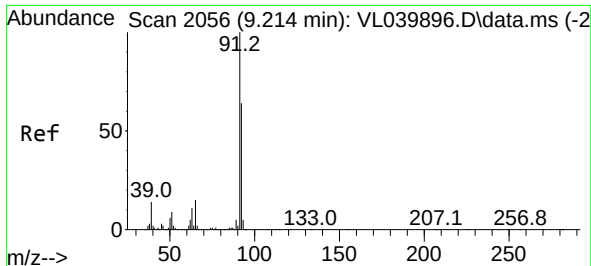
Tgt Ion: 43 Resp: 13246
Ion Ratio Lower Upper
43 100
72 45.0 17.4 26.2#



#39
1,2-Dichloropropane
Concen: 7.388 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.402 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 63 Resp: 740948
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 16.0 55.0 82.6#

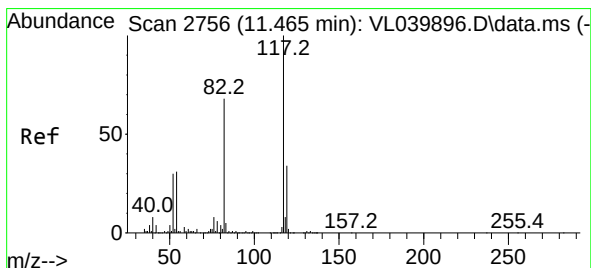
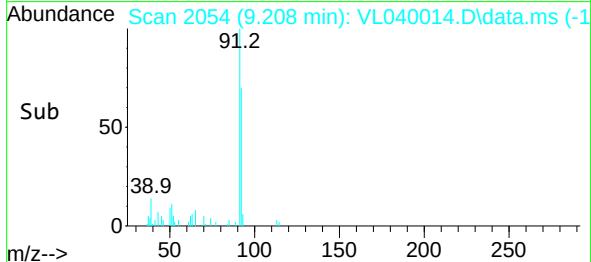
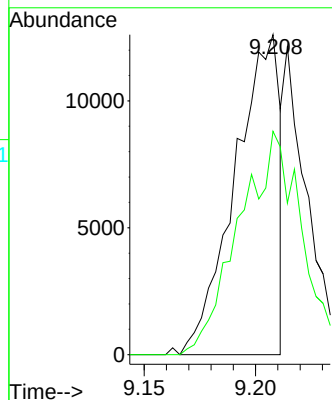
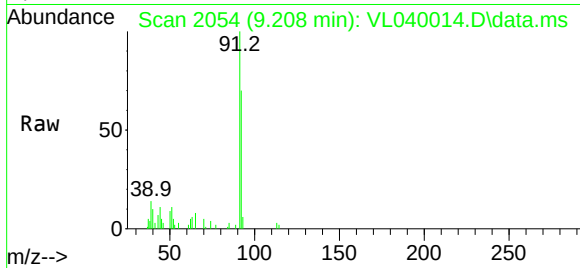




#53
Toluene
Concen: 0.060 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

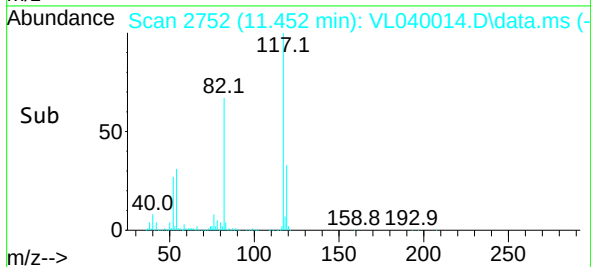
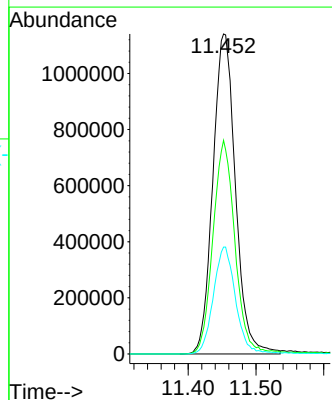
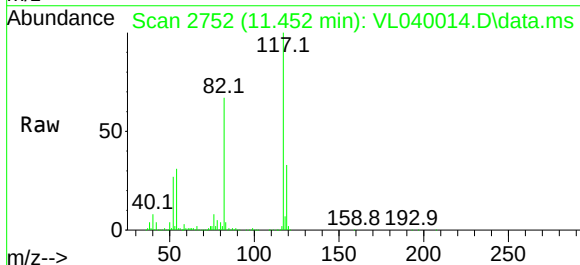
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

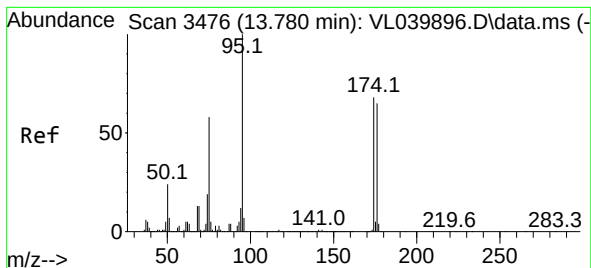
Tgt Ion: 91 Resp: 17616
Ion Ratio Lower Upper
91 100
92 101.3 49.8 74.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.020 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 117 Resp: 2641990
Ion Ratio Lower Upper
117 100
82 65.2 52.3 78.5
119 33.2 25.7 38.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.961 ppbv

RT: 13.764 min Scan# 34

Delta R.T. 0.023 min

Lab File: VL040014.D

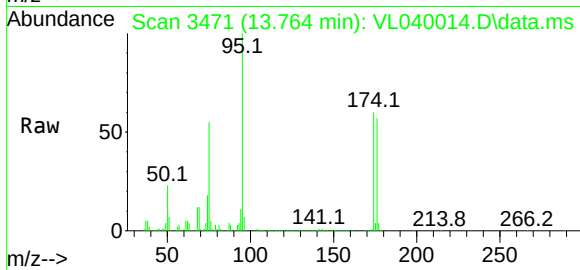
Acq: 13 Dec 2022 20:52

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL



Tgt Ion: 95 Resp: 2010213

Ion Ratio Lower Upper

95 100

174 62.2 53.7 80.5

175 4.5 4.0 6.0

