

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040933.D
 Acq On : 21 Dec 2023 17:13
 Operator : SY/MD
 Sample : 05813-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10158DL

Quant Time: Dec 22 00:08:56 2023
 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 : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

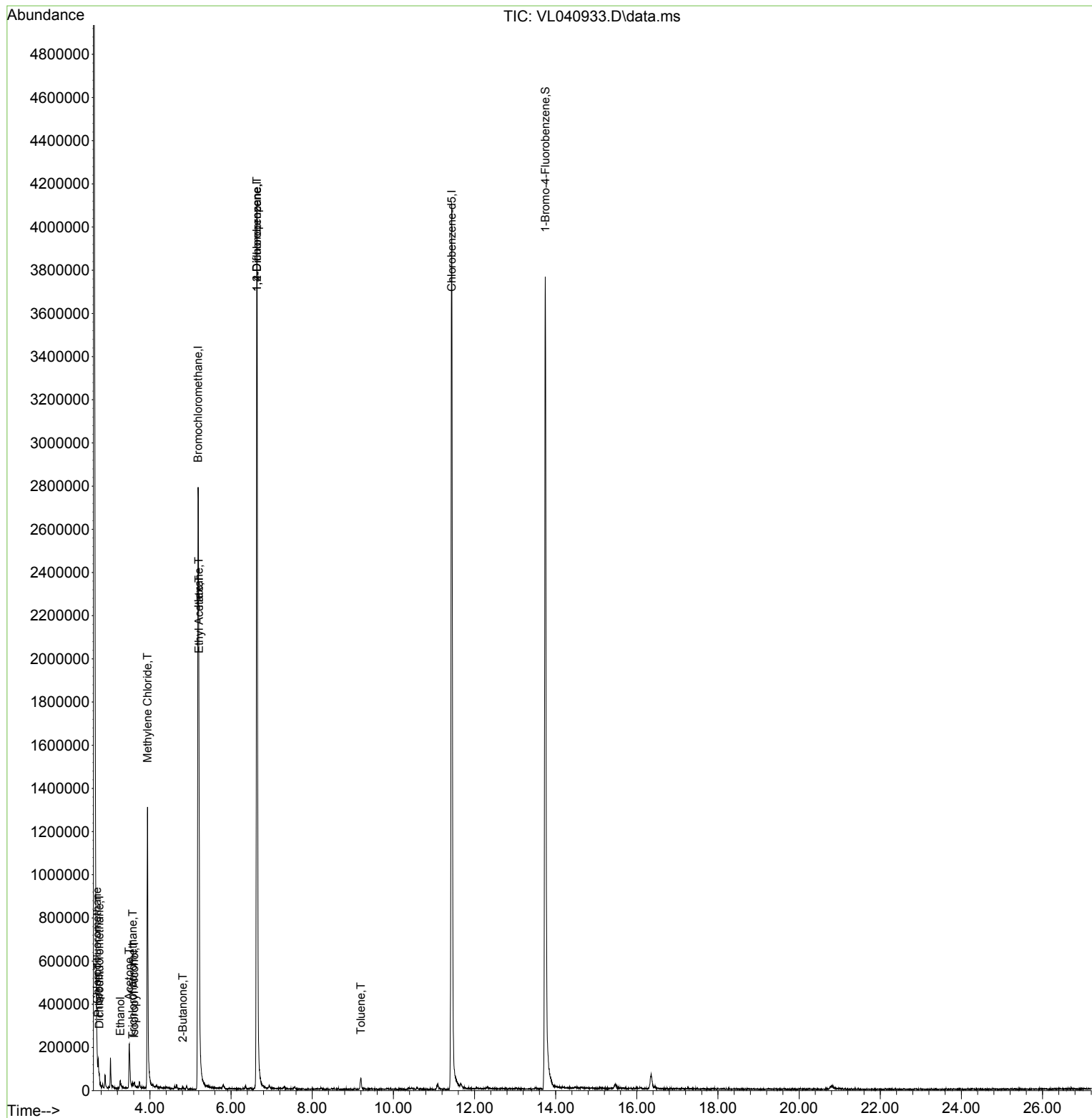
Internal Standards						
1) Bromochloromethane	5.185	49	1252599	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3080347	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2640104	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	2007820	10.325	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.751	85	26873	0.113	ppbv	95
3) Chlorodifluoromethane	2.697	51	15957	0.085	ppbv #	82
9) Propene	2.732	41	9132	0.147	ppbv #	69
11) Trichlorofluoromethane	3.578	101	8526	0.046	ppbv	96
13) Ethanol	3.269	45	33193	2.115	ppbv	80
15) Acetone	3.488	43	211380	1.407	ppbv	93
19) Isopropyl Alcohol	3.610	45	16799	0.214	ppbv #	95
20) Methylene Chloride	3.941	84	423944	7.917	ppbv	98
25) Ethyl Acetate	5.208	43	323491	1.243	ppbv #	77
26) Hexane	5.205	57	453644	3.932	ppbv #	41
34) 2-Butanone	4.809	43	10204	0.063	ppbv	96
39) 1,2-Dichloropropane	6.639	63	795222	8.404	ppbv #	24
53) Toluene	9.201	91	34732	0.130	ppbv	93

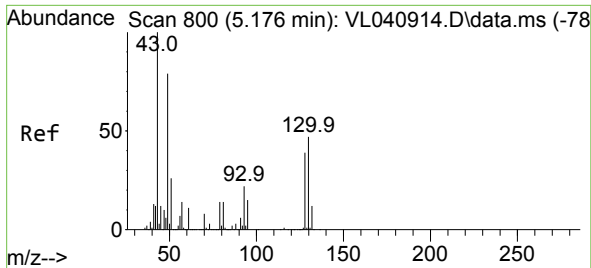
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 00:08:56 2023
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 : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

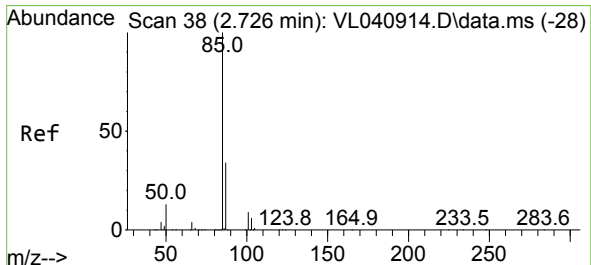
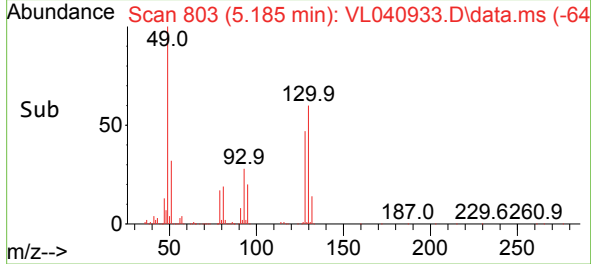
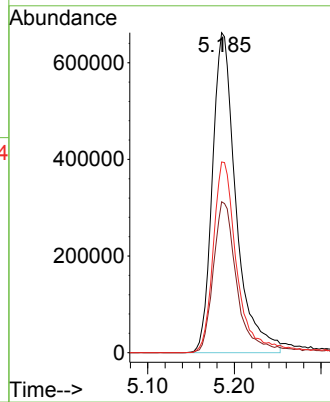
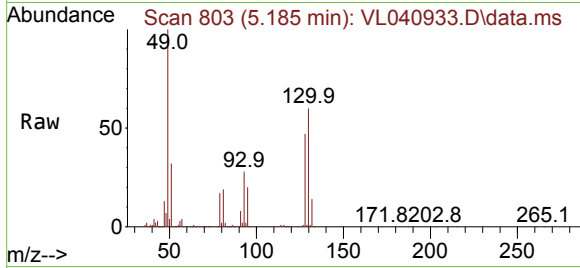




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VL040933.D
 Acq: 21 Dec 2023 17:13

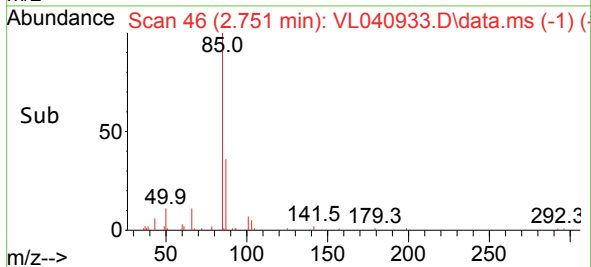
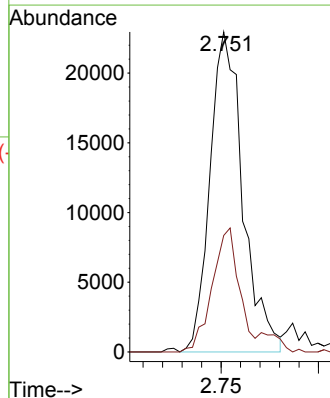
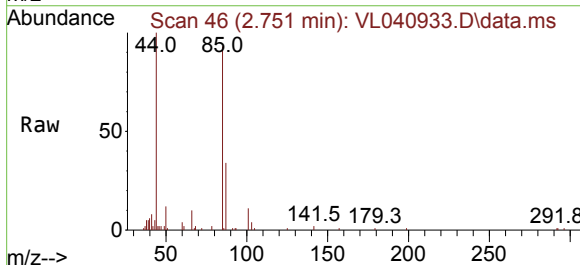
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 10158DL

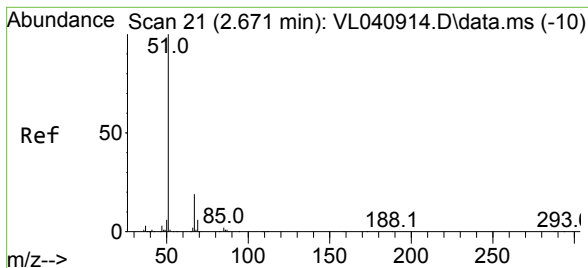
Tgt Ion: 49 Resp: 1252599
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.8 71.2
 130 61.4 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.113 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.026 min
 Lab File: VL040933.D
 Acq: 21 Dec 2023 17:13

Tgt Ion: 85 Resp: 26873
 Ion Ratio Lower Upper
 85 100
 87 36.4 27.0 40.6

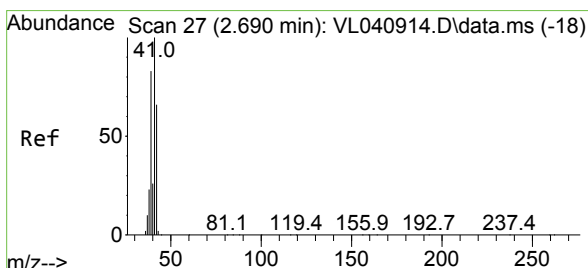
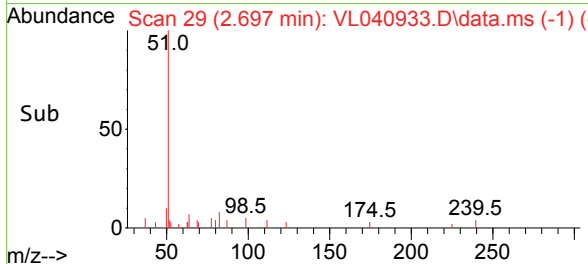
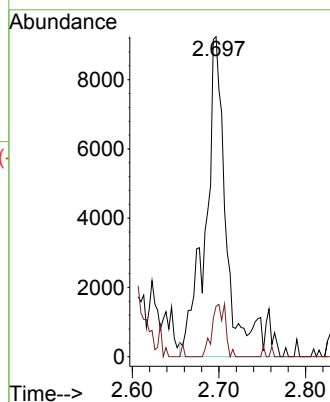
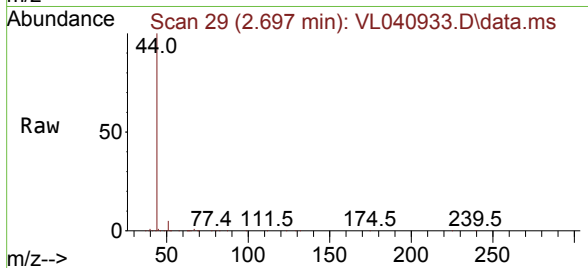




#3
Chlorodifluoromethane
Concen: 0.085 ppbv
RT: 2.697 min Scan# 24
Delta R.T. 0.026 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

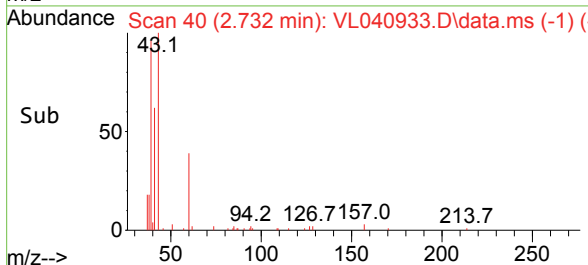
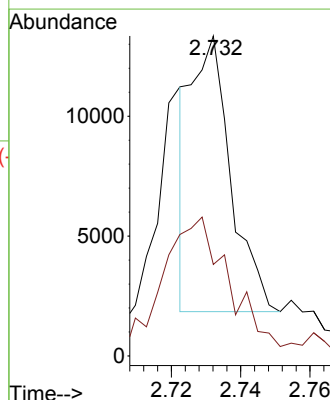
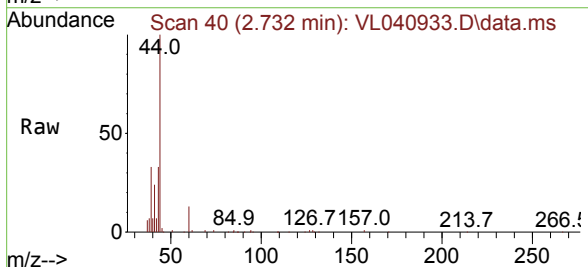
Instrument :
MSVOA_L
ClientSampleId :
10158DL

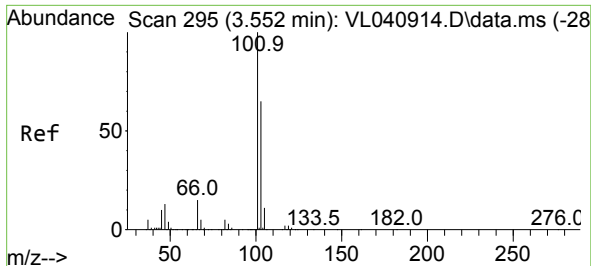
Tgt Ion: 51 Resp: 15957
Ion Ratio Lower Upper
51 100
67 10.2 14.7 22.1#



#9
Propene
Concen: 0.147 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.042 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 41 Resp: 9132
Ion Ratio Lower Upper
41 100
42 95.1 55.8 83.6#

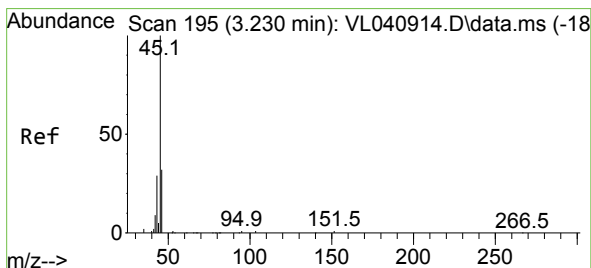
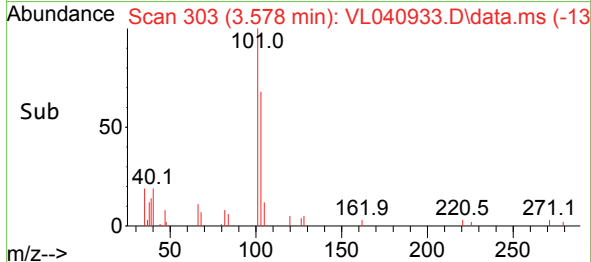
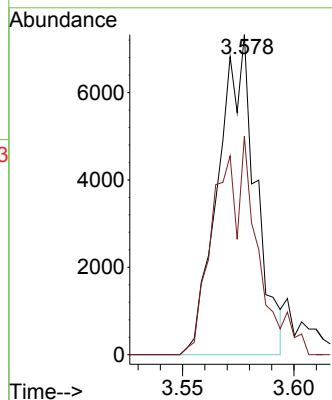
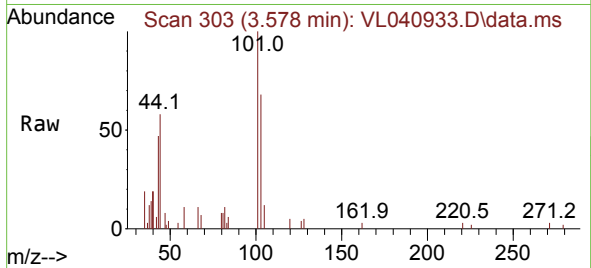




#11
 Trichlorofluoromethane
 Concen: 0.046 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. 0.026 min
 Lab File: VL040933.D
 Acq: 21 Dec 2023 17:13

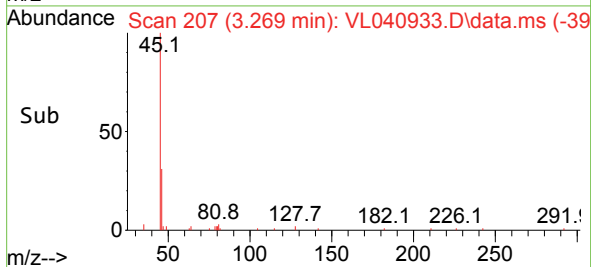
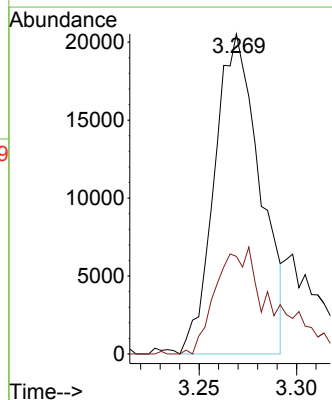
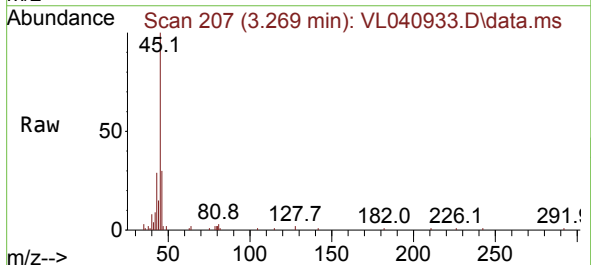
Instrument :
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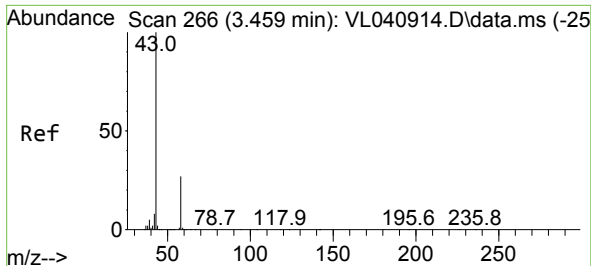
Tgt Ion:101 Resp: 8526
 Ion Ratio Lower Upper
 101 100
 103 68.3 51.9 77.9



#13
 Ethanol
 Concen: 2.115 ppbv
 RT: 3.269 min Scan# 207
 Delta R.T. 0.039 min
 Lab File: VL040933.D
 Acq: 21 Dec 2023 17:13

Tgt Ion: 45 Resp: 33193
 Ion Ratio Lower Upper
 45 100
 46 49.4 15.0 60.0

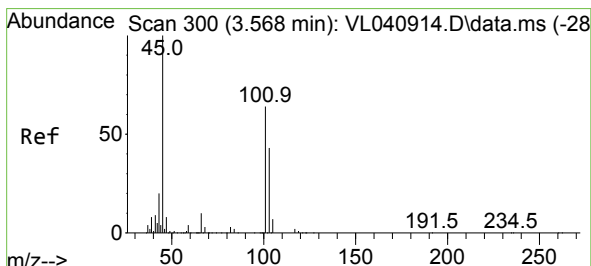
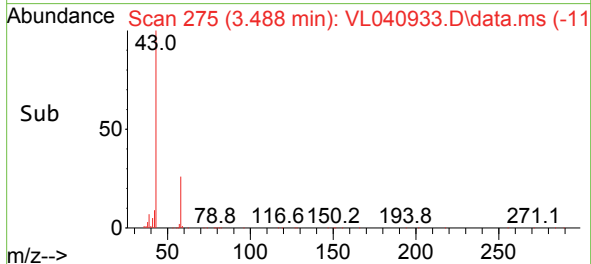
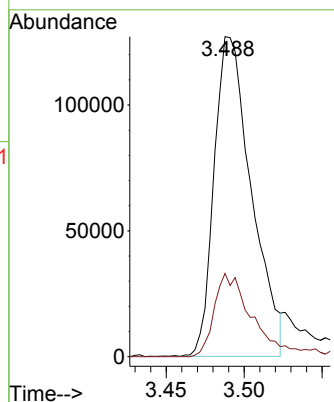
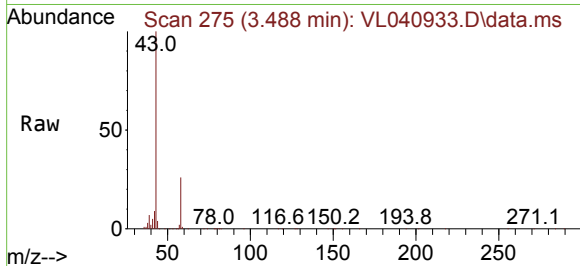




#15
Acetone
Concen: 1.407 ppbv
RT: 3.488 min Scan# 211
Delta R.T. 0.029 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

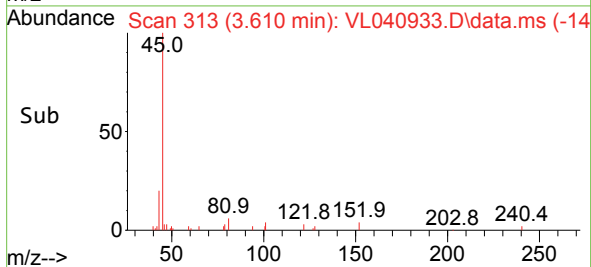
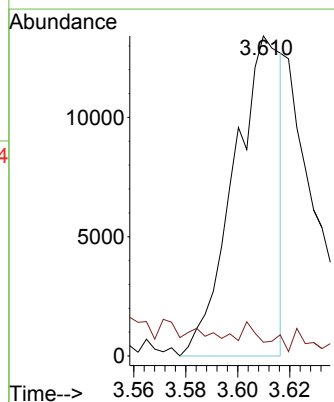
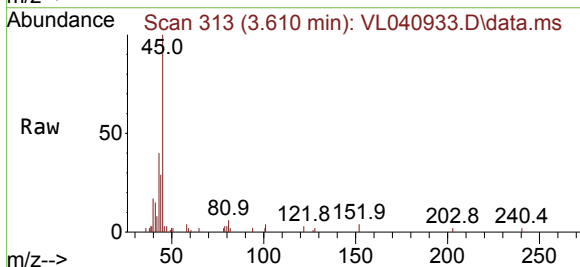
Instrument :
MSVOA_L
ClientSampleId :
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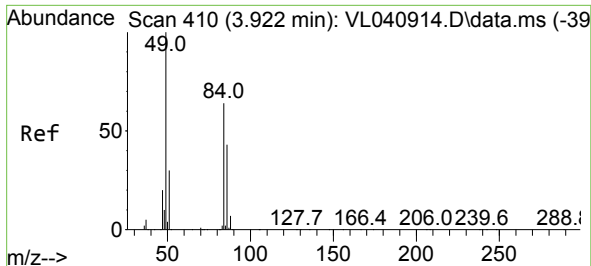
Tgt Ion: 43 Resp: 211380
Ion Ratio Lower Upper
43 100
58 29.1 20.6 30.8



#19
Isopropyl Alcohol
Concen: 0.214 ppbv
RT: 3.610 min Scan# 313
Delta R.T. 0.042 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 45 Resp: 16799
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#

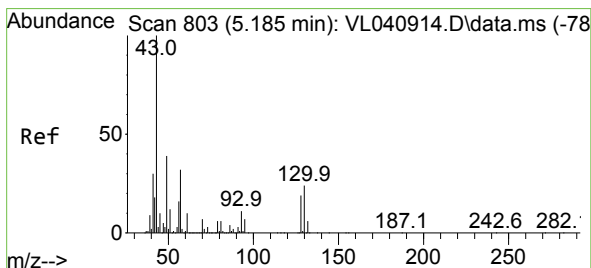
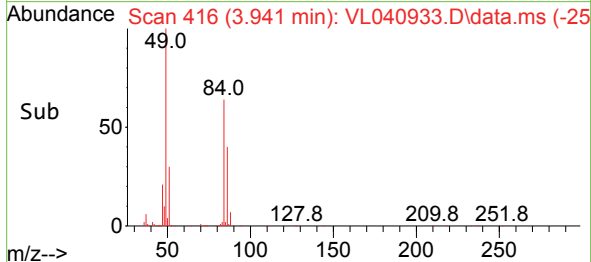
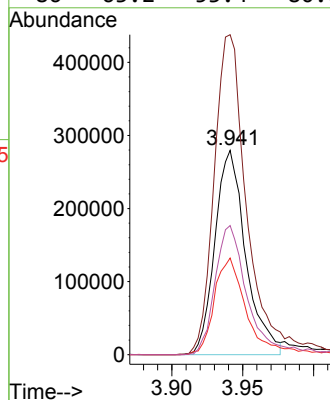
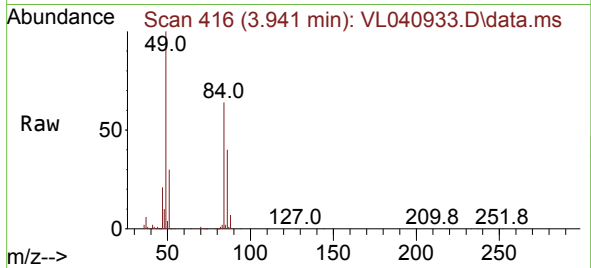




#20
Methylene Chloride
Concen: 7.917 ppbv
RT: 3.941 min Scan# 410
Delta R.T. 0.019 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

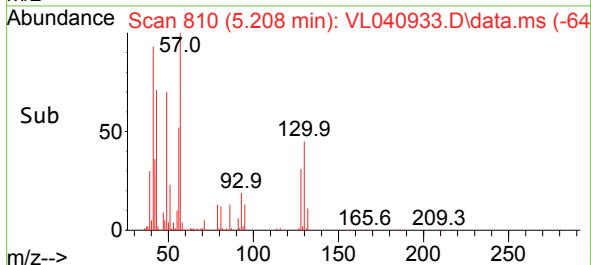
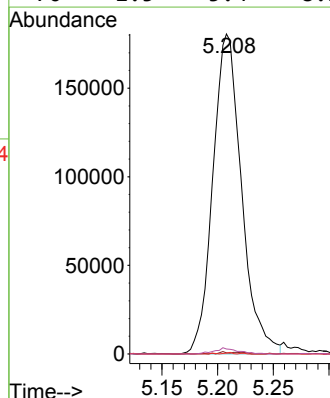
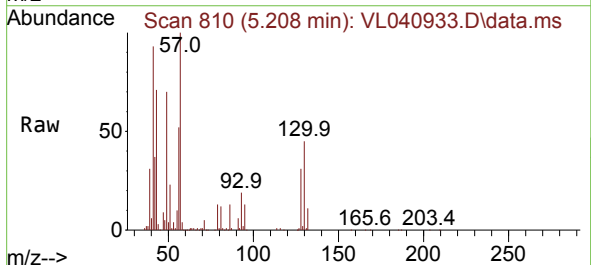
Instrument :
MSVOA_L
ClientSampleId :
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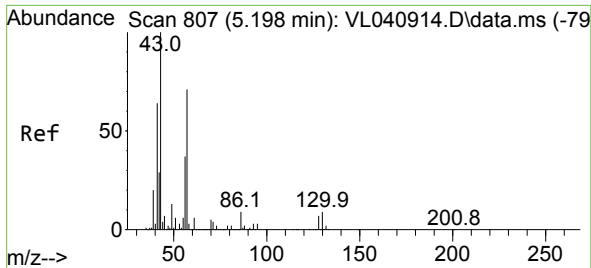
Tgt Ion: 84 Resp: 423944
Ion Ratio Lower Upper
84 100
49 156.3 124.6 187.0
51 47.3 37.2 55.8
86 63.2 53.4 80.0



#25
Ethyl Acetate
Concen: 1.243 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 43 Resp: 323491
Ion Ratio Lower Upper
43 100
45 0.5 8.2 12.2#
61 0.2 7.6 11.4#
70 1.5 5.4 8.2#

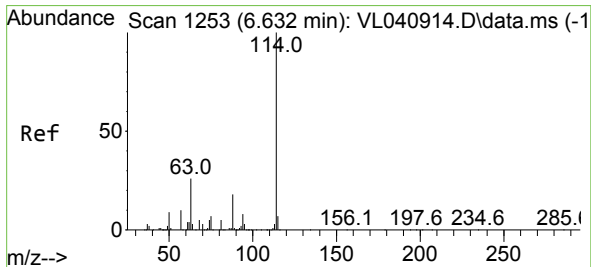
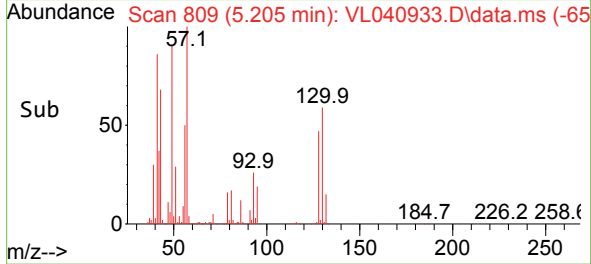
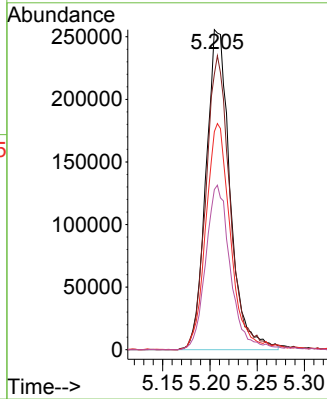
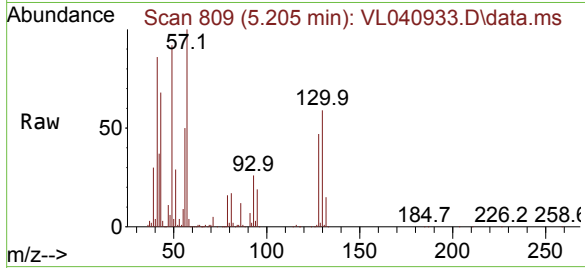




#26
Hexane
Concen: 3.932 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

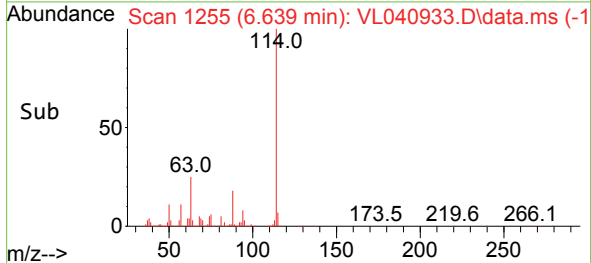
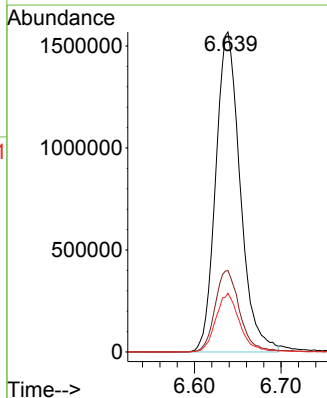
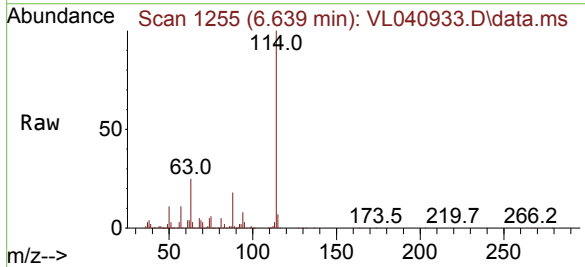
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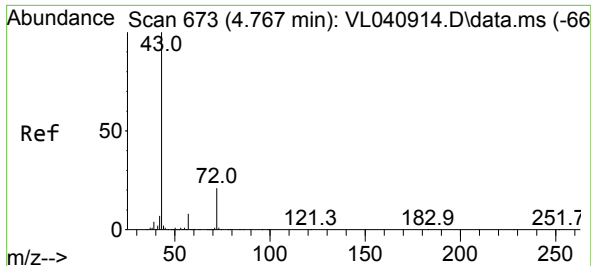
Tgt Ion: 57 Resp: 453644
Ion Ratio Lower Upper
57 100
41 93.6 75.2 112.8
43 73.4 188.0 282.0#
56 53.1 42.3 63.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.007 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion:114 Resp: 3080347
Ion Ratio Lower Upper
114 100
63 25.9 21.0 31.6
88 18.0 14.3 21.5

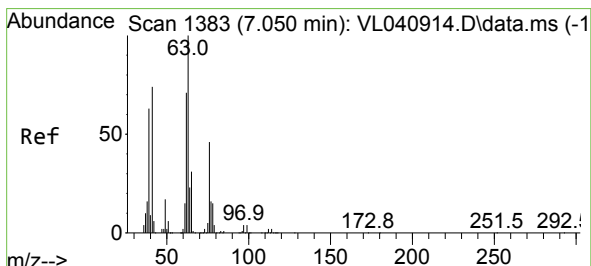
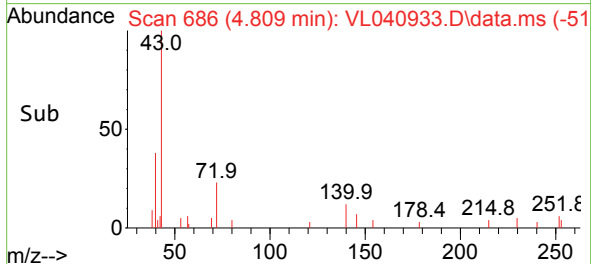
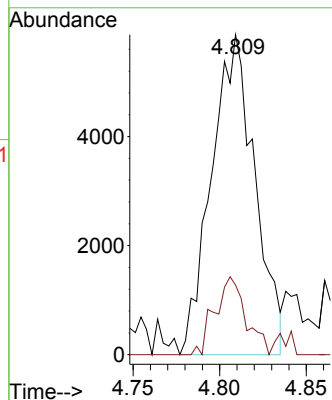
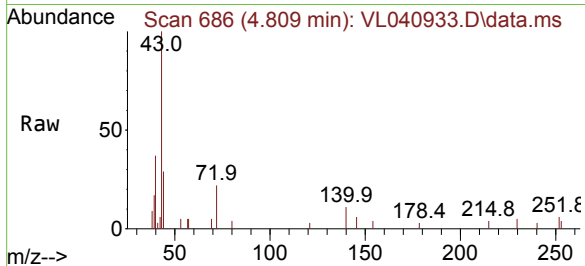




#34
2-Butanone
Concen: 0.063 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.042 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

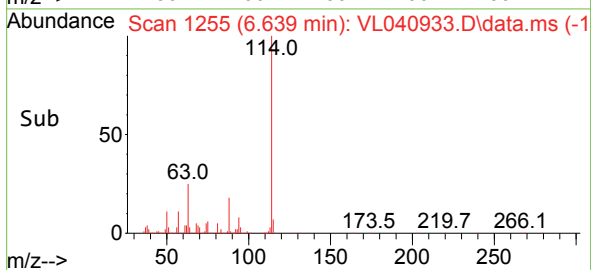
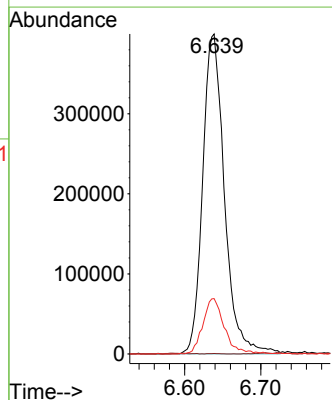
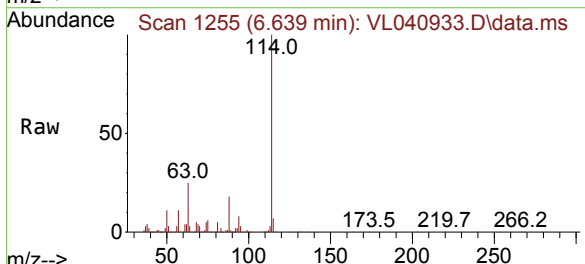
Instrument :
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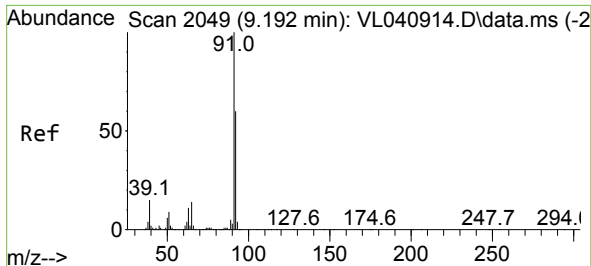
Tgt Ion: 43 Resp: 10204
Ion Ratio Lower Upper
43 100
72 19.7 17.2 25.8



#39
1,2-Dichloropropane
Concen: 8.404 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.411 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 63 Resp: 795222
Ion Ratio Lower Upper
63 100
41 0.0 59.0 88.6#
62 17.1 56.6 85.0#

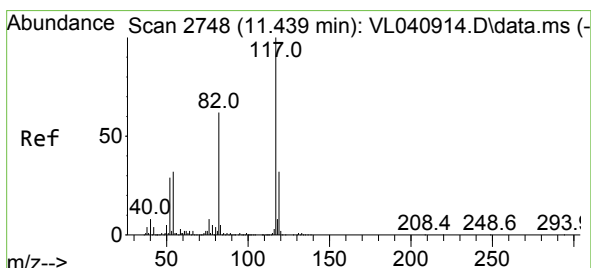
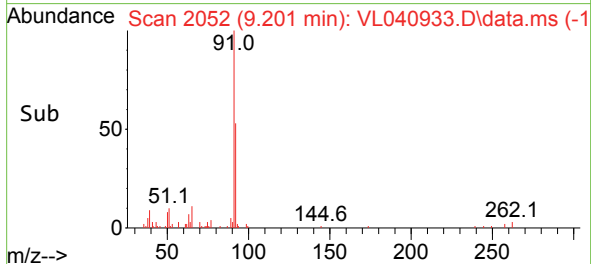
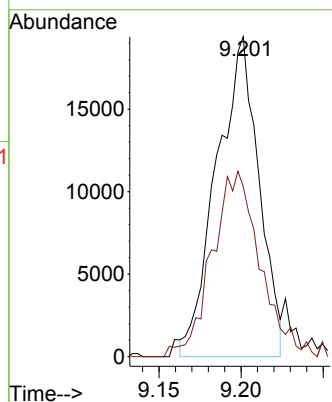
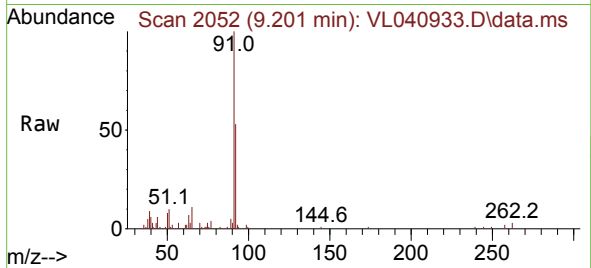




#53
Toluene
Concen: 0.130 ppbv
RT: 9.201 min Scan# 2049
Delta R.T. 0.010 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

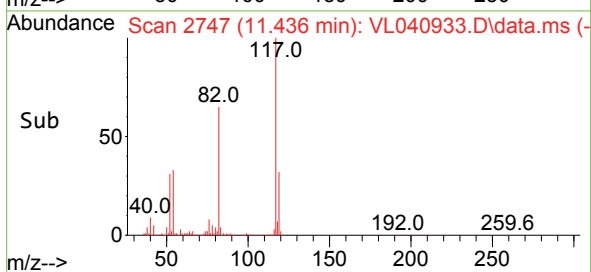
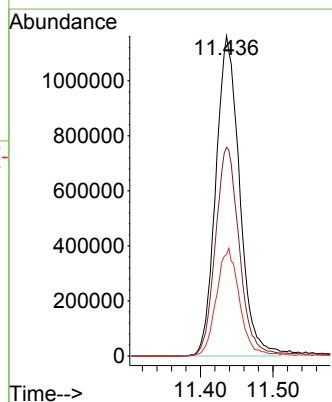
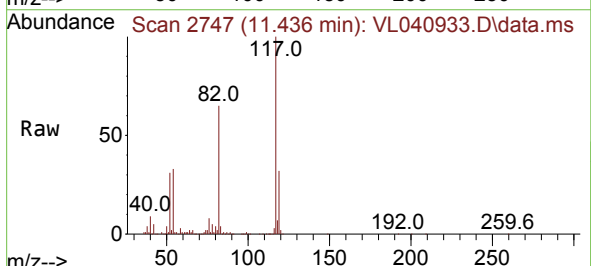
Instrument :
MSVOA_L
ClientSampleId :
10158DL

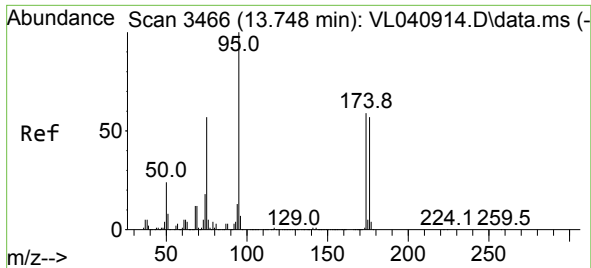
Tgt Ion: 91 Resp: 34732
Ion Ratio Lower Upper
91 100
92 66.9 49.2 73.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040933.D
Acq: 21 Dec 2023 17:13

Tgt Ion: 117 Resp: 2640104
Ion Ratio Lower Upper
117 100
82 67.1 49.6 74.4
119 33.1 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.325 ppbv
 RT: 13.745 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL040933.D
 Acq: 21 Dec 2023 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 10158DL

Tgt Ion: 95 Resp: 2007820
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.0 72.0
 175 4.3 3.7 5.5

