

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039912.D
 Acq On : 21 Nov 2022 16:25
 Operator : SY/AP
 Sample : N5724-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 22 03:49:14 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 : Tue Nov 22 03:45:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1142101	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	3122356	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2801590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2230172	10.422	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	20144	0.123	ppbv	94
3) Chlorodifluoromethane	2.655	51	14666	0.093	ppbv #	89
4) Chloromethane	2.783	50	4551	0.045	ppbv #	76
9) Propene	2.677	41	6000	0.081	ppbv #	47
11) Trichlorofluoromethane	3.539	101	11529	0.058	ppbv	86
13) Ethanol	3.234	45	19923	3.515	ppbv	93
15) Acetone	3.452	43	139396	0.920	ppbv	99
20) Methylene Chloride	3.909	84	791142	10.780	ppbv	98
23) Vinyl Acetate	4.606	43	5367	0.086	ppbv #	21
25) Ethyl Acetate	5.185	43	298982	1.075	ppbv #	75
26) Hexane	5.188	57	421653	3.470	ppbv #	38
39) 1,2-Dichloropropane	6.629	63	782560	7.568	ppbv #	27
41) Tetrahydrofuran	5.192	42	86317	0.837	ppbv #	61
53) Toluene	9.201	91	12011	0.040	ppbv #	79

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

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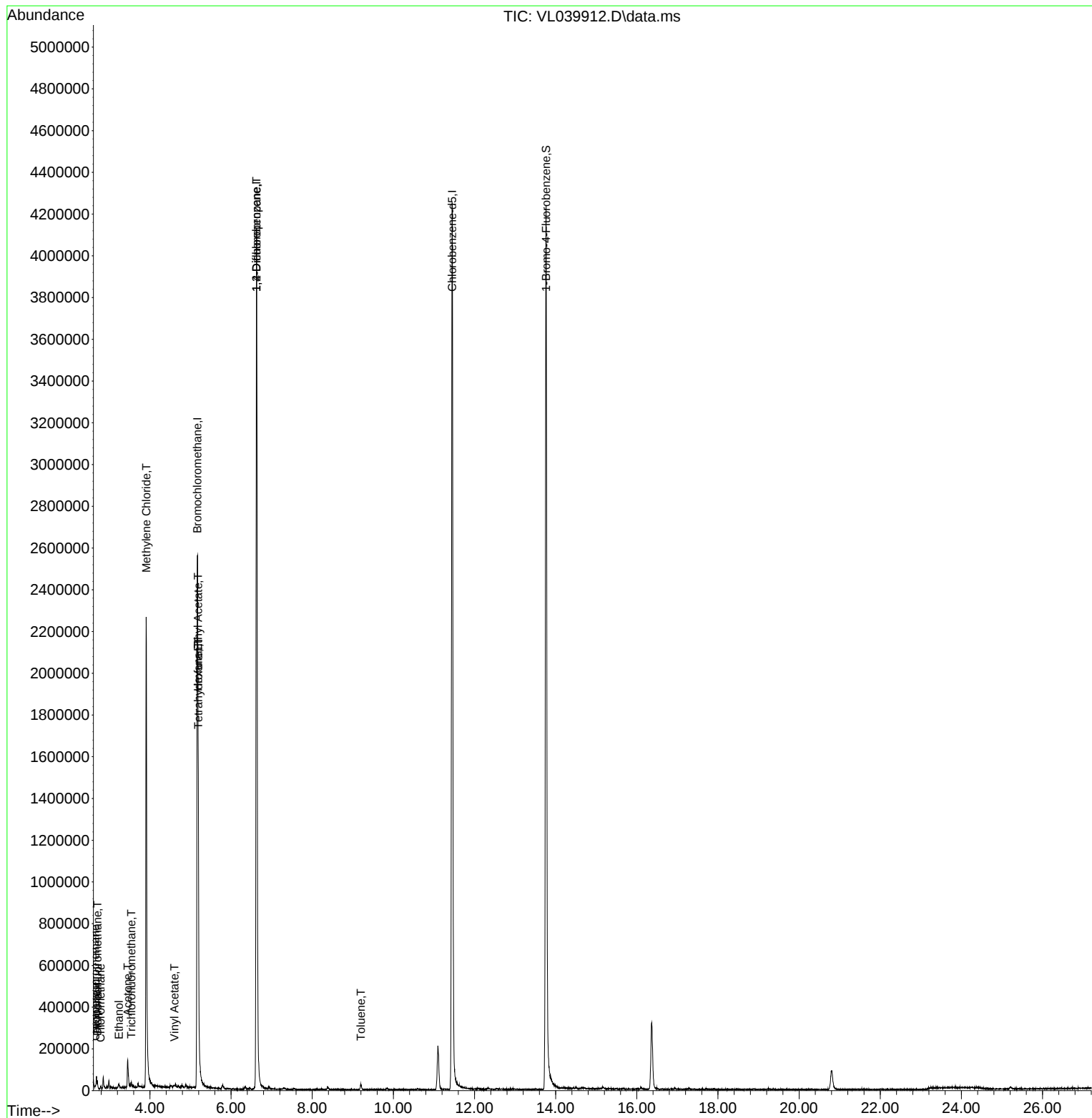
Quant Time: Nov 22 03:49:14 2022

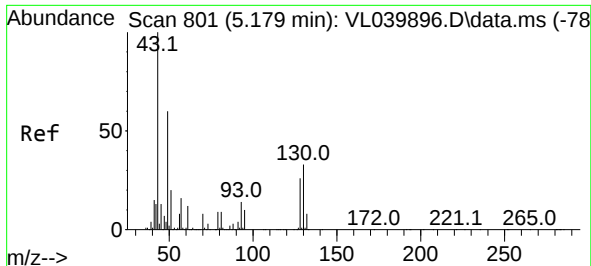
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

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

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

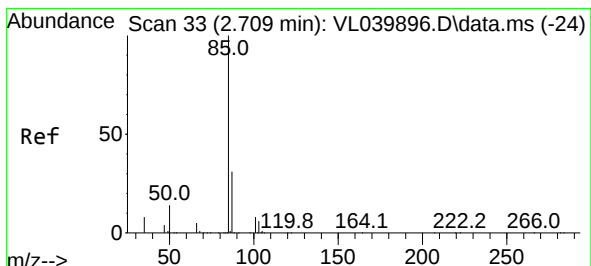
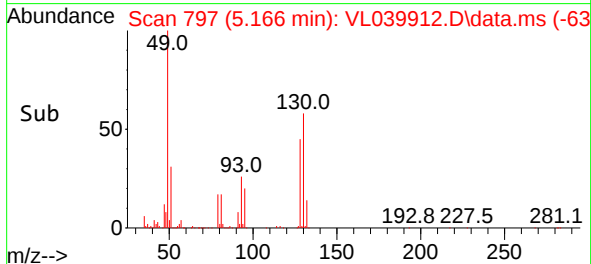
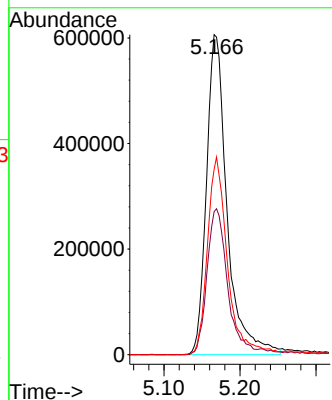
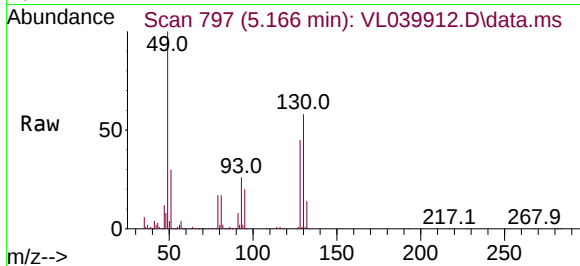




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

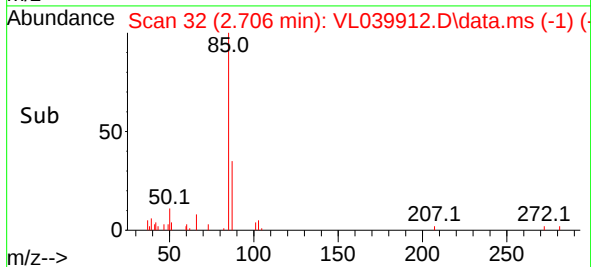
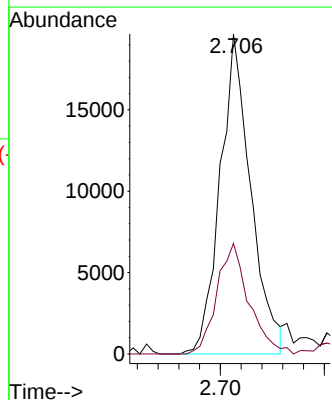
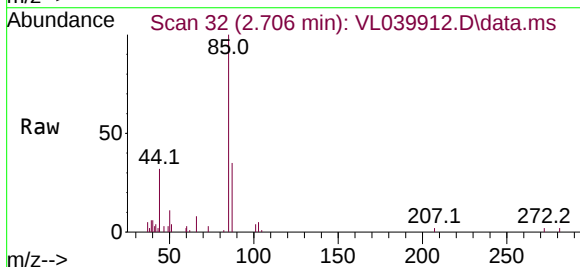
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

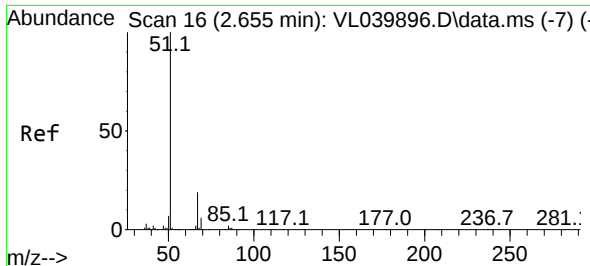
Tgt Ion: 49 Resp: 1142101
Ion Ratio Lower Upper
49 100
128 47.6 22.1 66.3
130 62.7 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 85 Resp: 20144
Ion Ratio Lower Upper
85 100
87 34.6 25.0 37.4

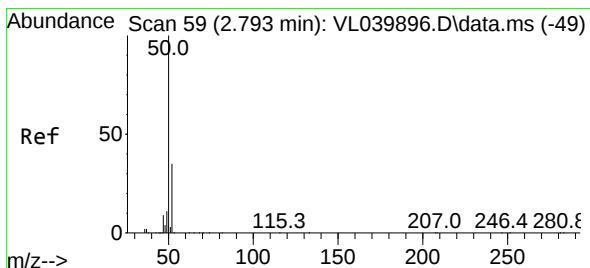
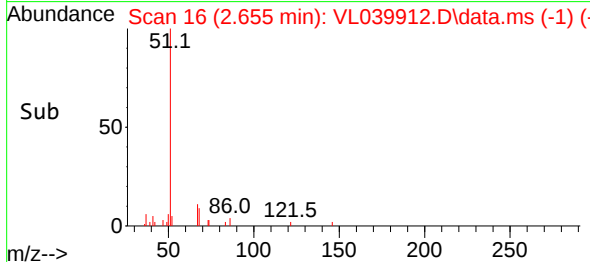
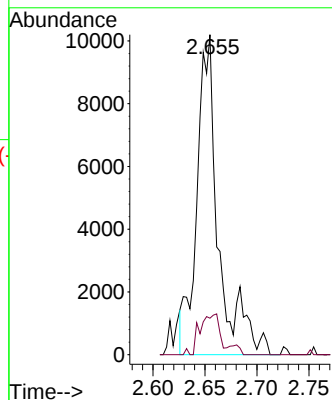
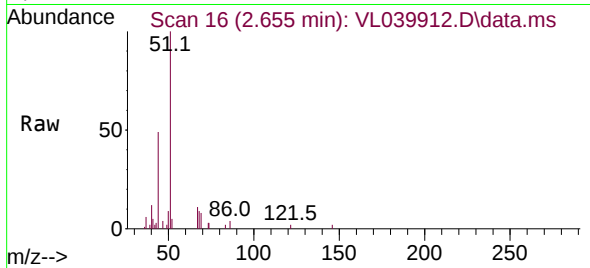




#3
Chlorodifluoromethane
Concen: 0.093 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

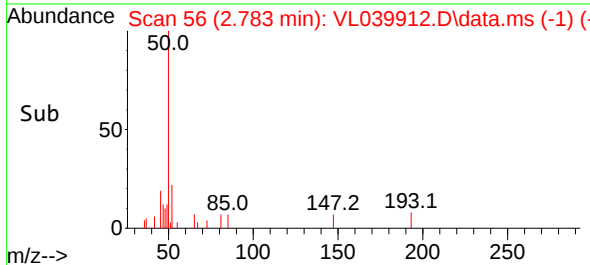
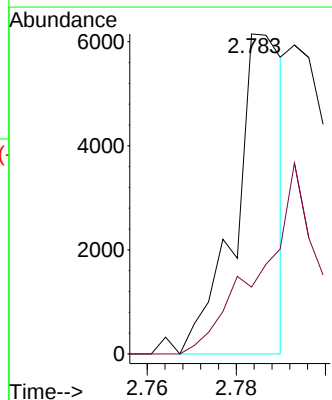
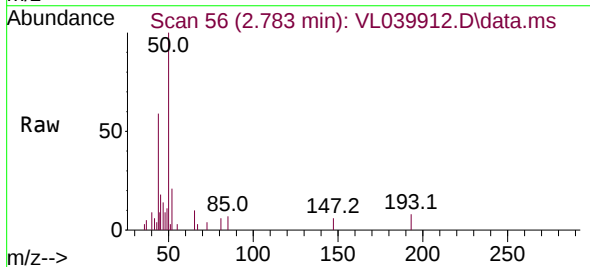
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

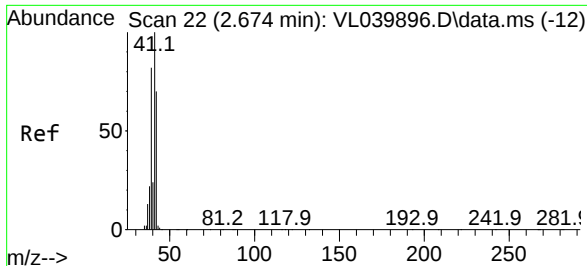
Tgt Ion: 51 Resp: 14666
Ion Ratio Lower Upper
51 100
67 13.0 14.2 21.4#



#4
Chloromethane
Concen: 0.045 ppbv
RT: 2.783 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 50 Resp: 4551
Ion Ratio Lower Upper
50 100
52 20.9 27.8 41.8#

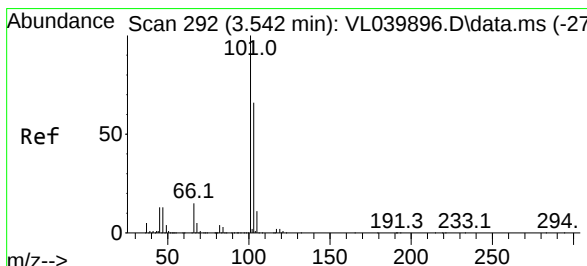
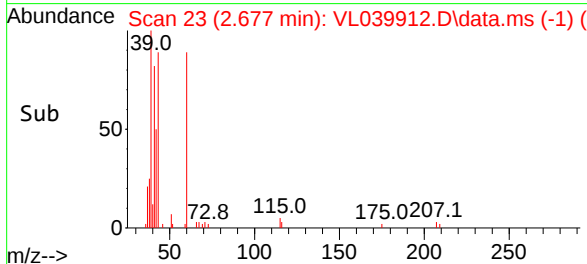
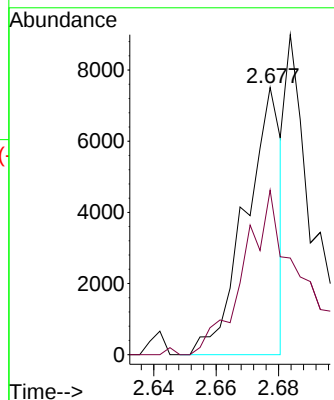
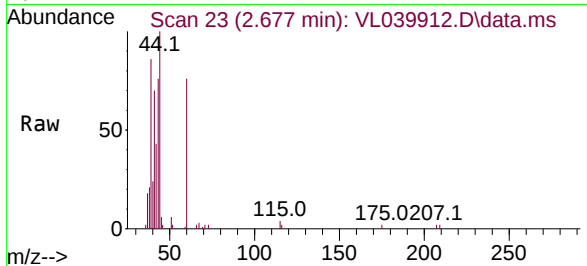




#9
 Propene
 Concen: 0.081 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL039912.D
 Acq: 21 Nov 2022 16:25

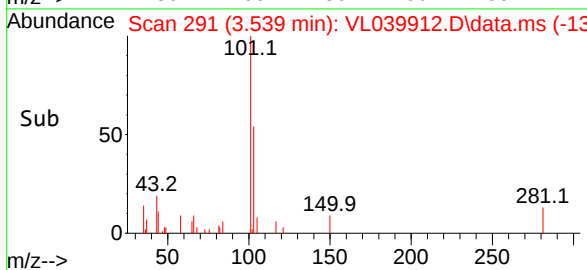
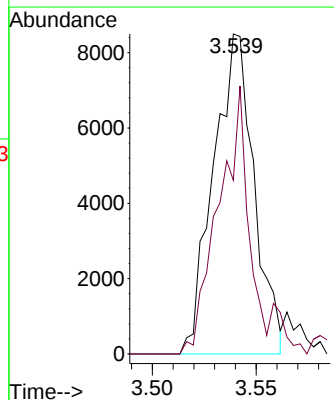
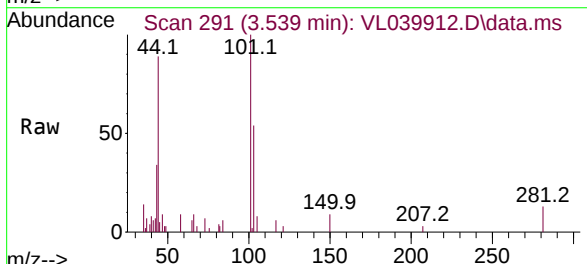
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

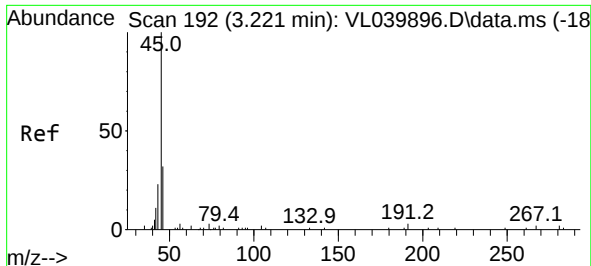
Tgt Ion: 41 Resp: 6000
 Ion Ratio Lower Upper
 41 100
 42 112.8 55.8 83.6#



#11
 Trichlorofluoromethane
 Concen: 0.058 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039912.D
 Acq: 21 Nov 2022 16:25

Tgt Ion: 101 Resp: 11529
 Ion Ratio Lower Upper
 101 100
 103 54.3 52.6 78.8

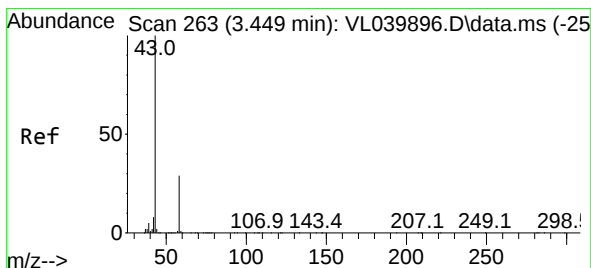
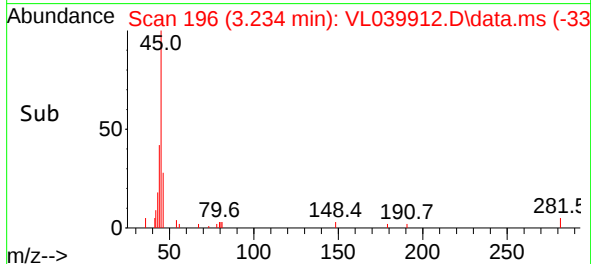
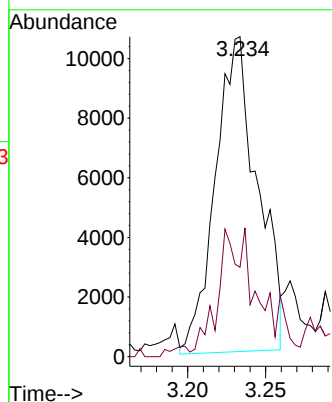
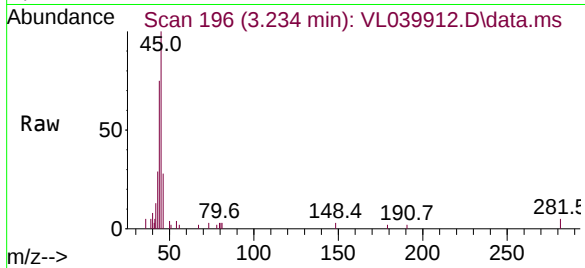




#13
Ethanol
Concen: 3.515 ppbv
RT: 3.234 min Scan# 19
Delta R.T. 0.026 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

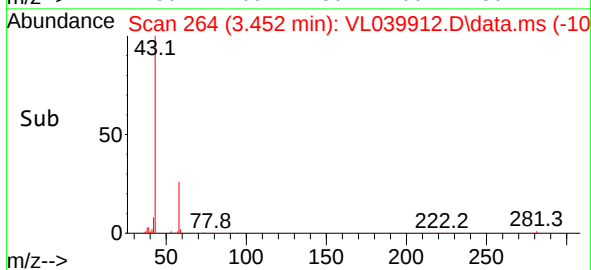
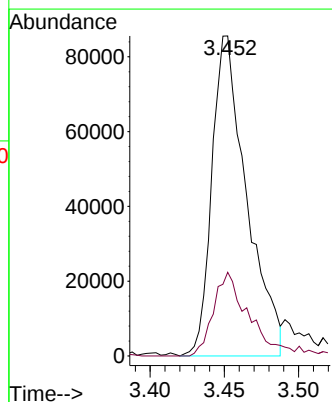
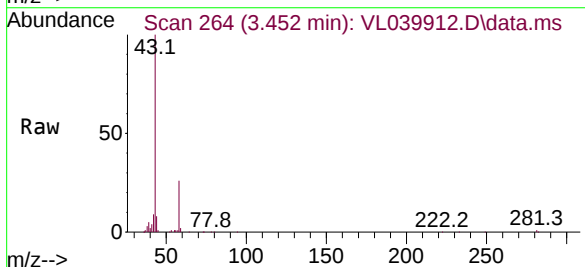
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

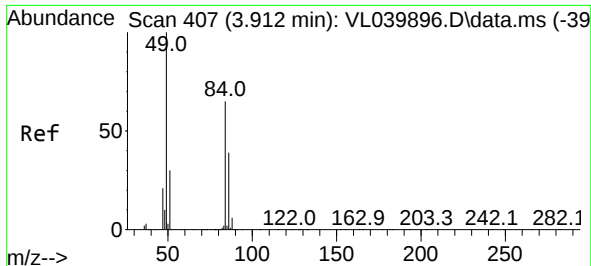
Tgt Ion: 45 Resp: 19923
Ion Ratio Lower Upper
45 100
46 40.3 14.6 58.2



#15
Acetone
Concen: 0.920 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 43 Resp: 139396
Ion Ratio Lower Upper
43 100
58 28.1 22.9 34.3



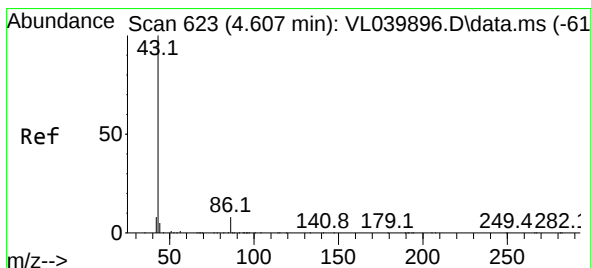
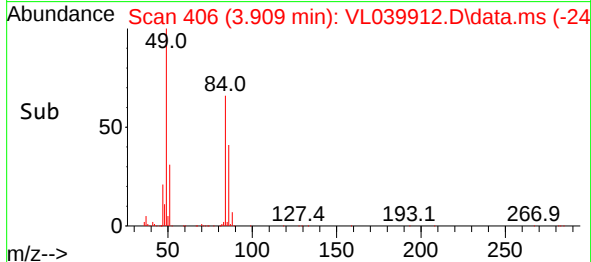
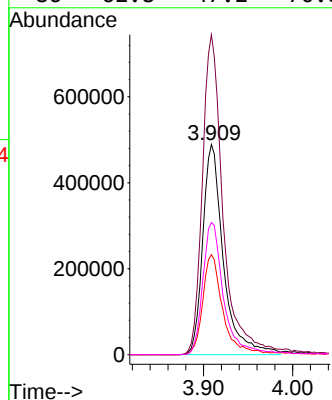
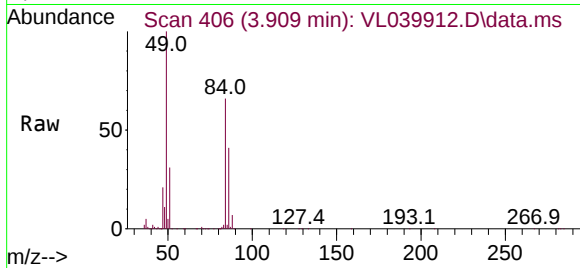


#20
Methylene Chloride
Concen: 10.780 ppbv
RT: 3.909 min Scan# 407
Delta R.T. 0.010 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Instrument :
MSVOA_1
ClientSampleId :
OA1DL

Tgt Ion: 84 Resp: 791142

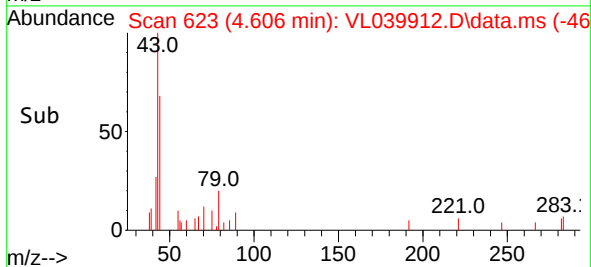
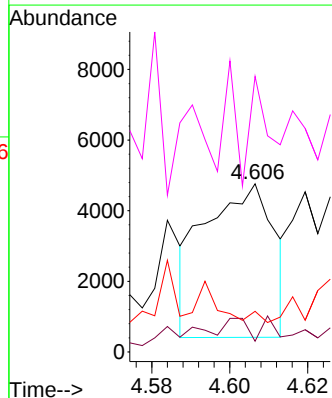
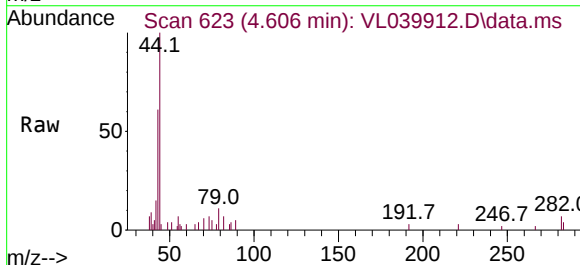
Ion	Ratio	Lower	Upper
84	100		
49	152.1	122.2	183.4
51	47.5	36.3	54.5
86	62.8	47.2	70.8

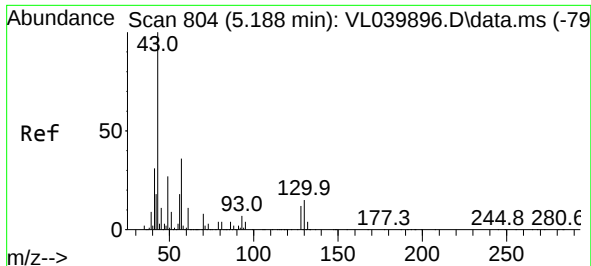


#23
Vinyl Acetate
Concen: 0.086 ppbv
RT: 4.606 min Scan# 623
Delta R.T. 0.016 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 43 Resp: 5367

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	9.0	7.6	11.4
44	109.8	3.8	5.6#

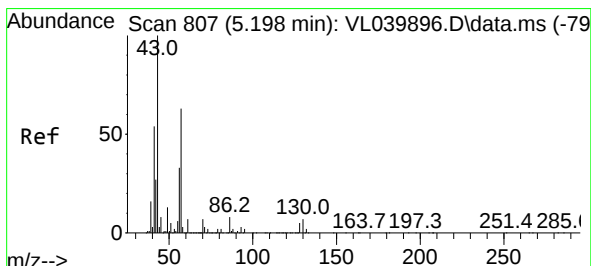
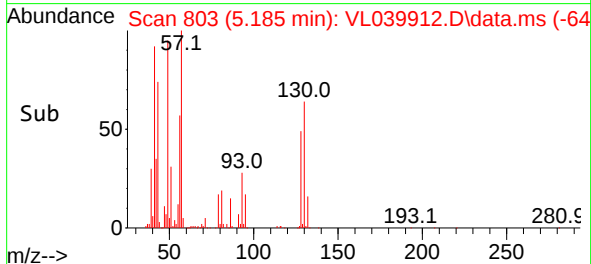
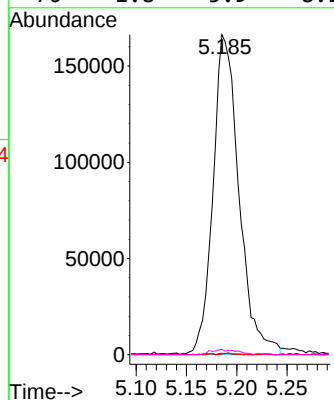
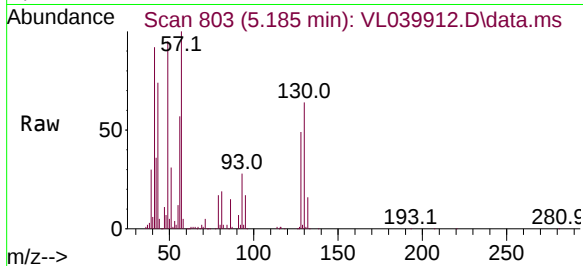




#25
Ethyl Acetate
Concen: 1.075 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.016 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

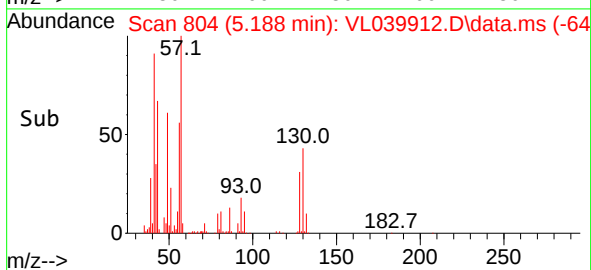
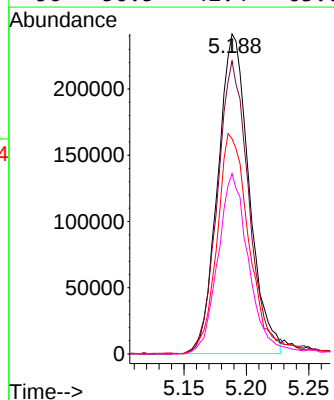
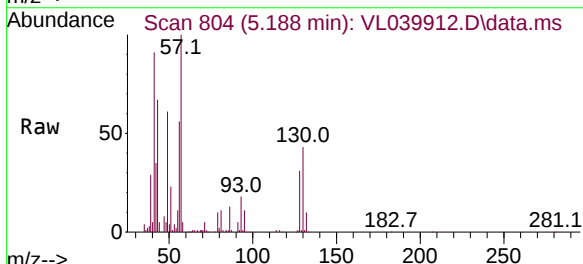
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

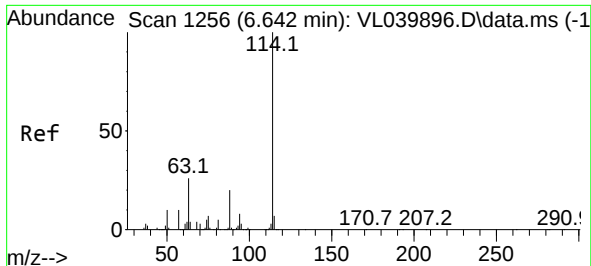
Tgt Ion: 43 Resp: 298982
Ion Ratio Lower Upper
43 100
45 0.3 8.4 12.6#
61 0.0 8.5 12.7#
70 1.8 5.9 8.9#



#26
Hexane
Concen: 3.470 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 57 Resp: 421653
Ion Ratio Lower Upper
57 100
41 94.8 72.3 108.5
43 73.1 188.7 283.1#
56 56.5 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL039912.D

Acq: 21 Nov 2022 16:25

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

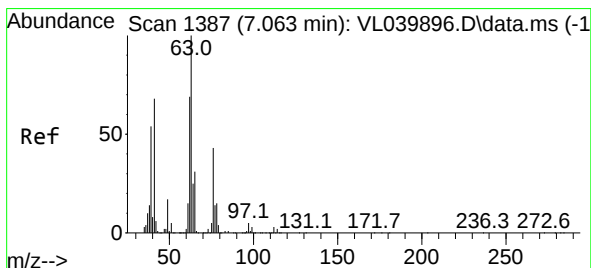
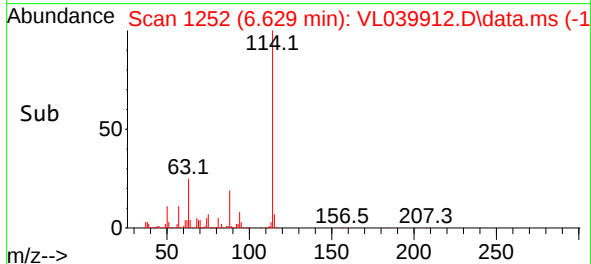
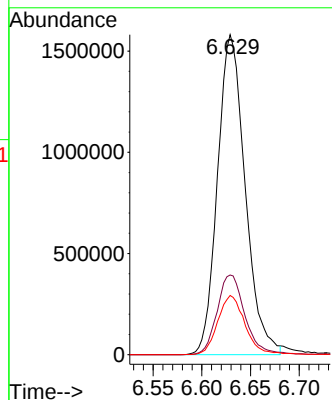
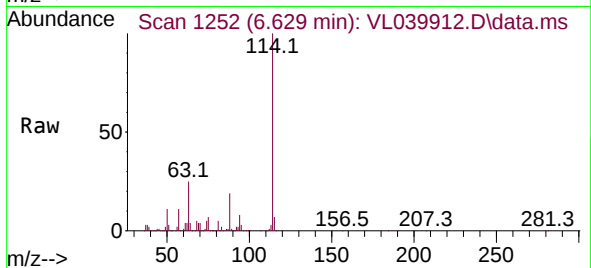
Tgt Ion:114 Resp: 3122356

Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

88 18.5 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.568 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.412 min

Lab File: VL039912.D

Acq: 21 Nov 2022 16:25

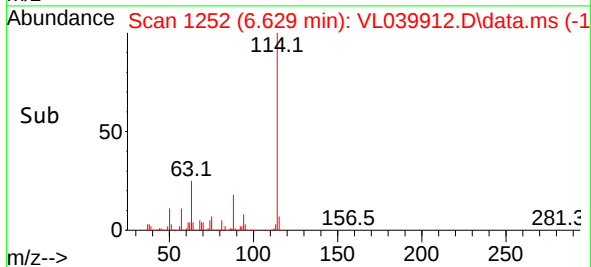
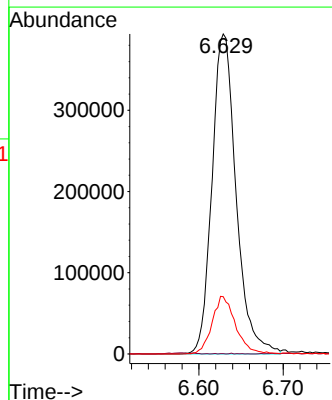
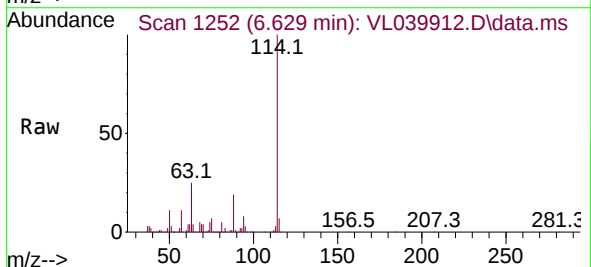
Tgt Ion: 63 Resp: 782560

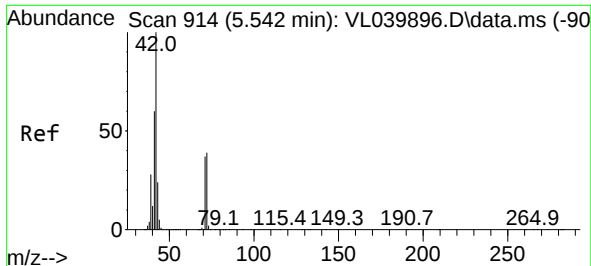
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 17.9 55.0 82.6#





#41

Tetrahydrofuran

Concen: 0.837 ppbv

RT: 5.192 min Scan# 805

Delta R.T. -0.331 min

Lab File: VL039912.D

Acq: 21 Nov 2022 16:25

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

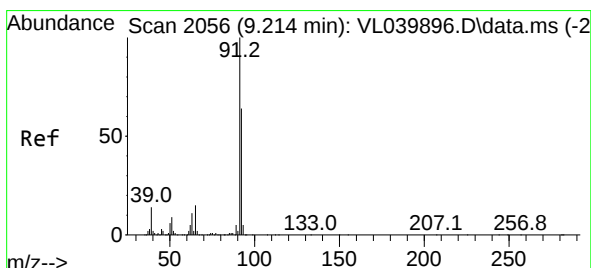
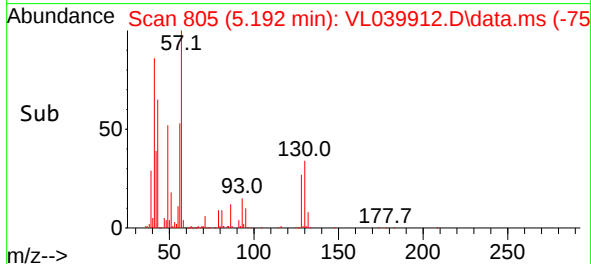
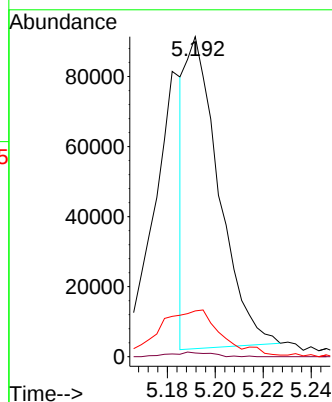
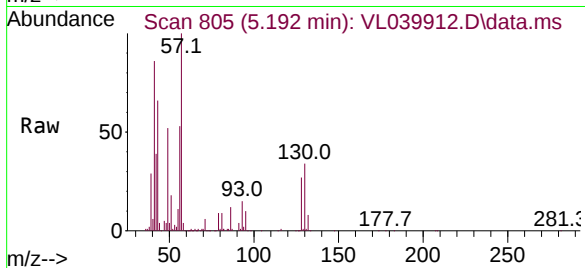
Tgt Ion: 42 Resp: 86317

Ion Ratio Lower Upper

42 100

72 2.0 31.6 47.4#

71 28.9 31.2 46.8#



#53

Toluene

Concen: 0.040 ppbv

RT: 9.201 min Scan# 2052

Delta R.T. 0.010 min

Lab File: VL039912.D

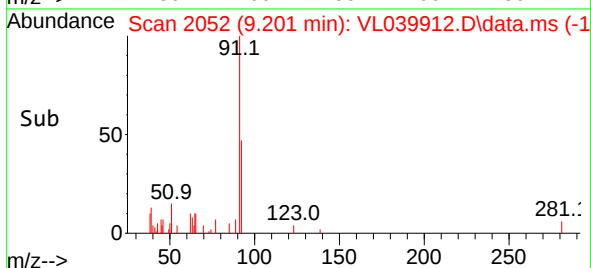
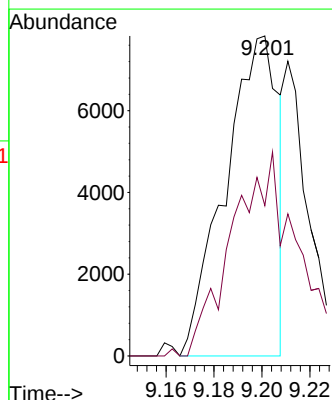
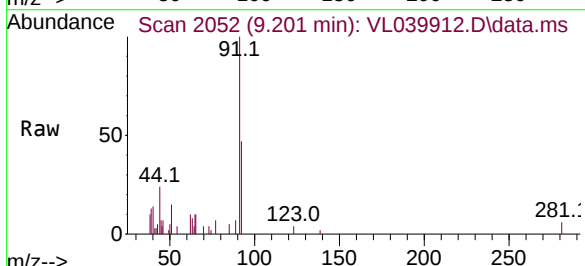
Acq: 21 Nov 2022 16:25

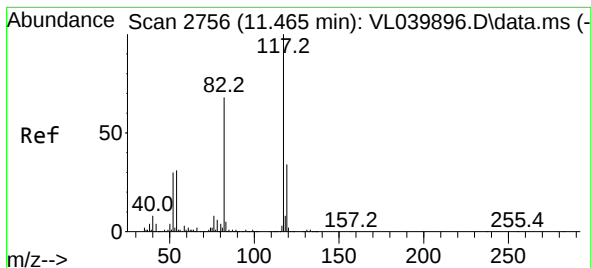
Tgt Ion: 91 Resp: 12011

Ion Ratio Lower Upper

91 100

92 78.5 49.8 74.6#

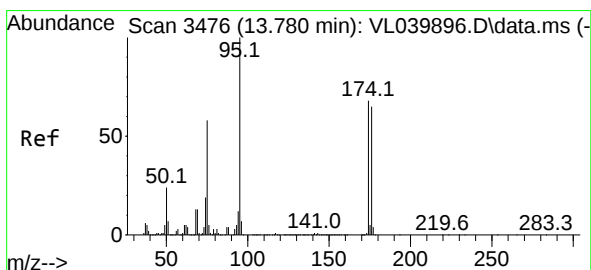
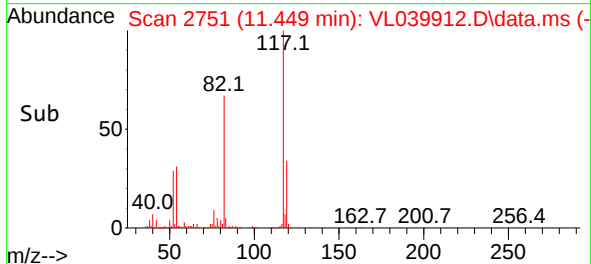
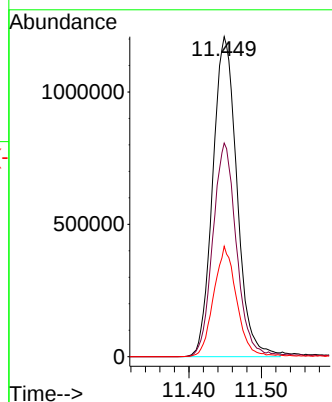
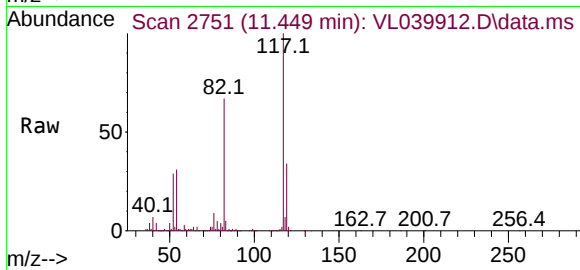




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:117 Resp: 2801590
Ion Ratio Lower Upper
117 100
82 65.8 52.3 78.5
119 33.0 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.422 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.010 min
Lab File: VL039912.D
Acq: 21 Nov 2022 16:25

Tgt Ion: 95 Resp: 2230172
Ion Ratio Lower Upper
95 100
174 61.4 53.7 80.5
175 4.4 4.0 6.0

