

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039929.D
 Acq On : 22 Nov 2022 23:27
 Operator : SY/AP
 Sample : N5767-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 23 04:53:06 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	5.172	49	962140	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	2647871	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2320403	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1832171	10.338	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

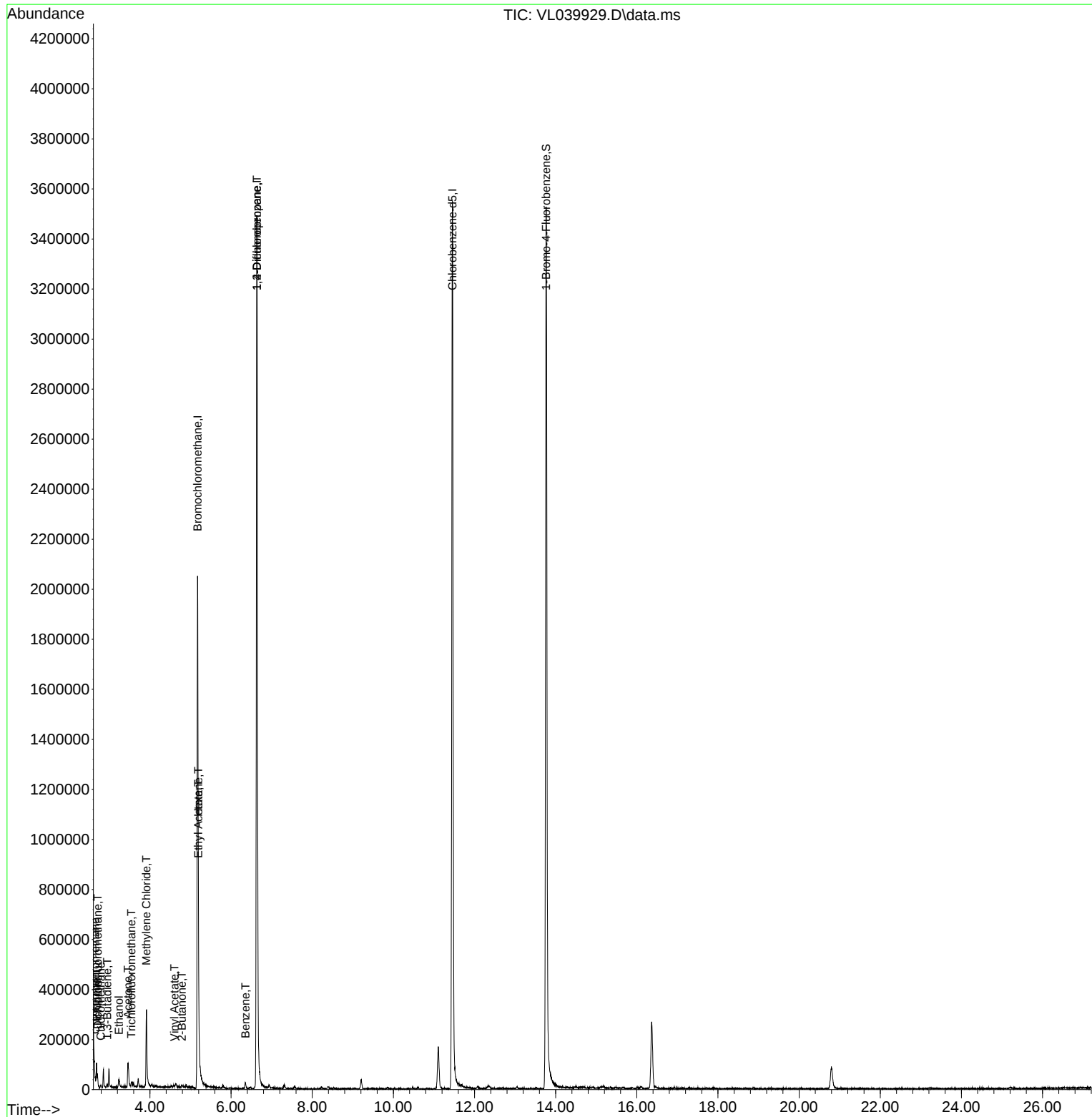
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.709	85	26599	0.193	ppbv #	79
3) Chlorodifluoromethane	2.655	51	26093	0.197	ppbv #	83
4) Chloromethane	2.790	50	6087	0.072	ppbv #	85
9) Propene	2.681	41	18650	0.298	ppbv	86
11) Trichlorofluoromethane	3.542	101	11372	0.068	ppbv #	72
13) Ethanol	3.234	45	31175	6.529	ppbv	88
15) Acetone	3.459	43	96129	0.753	ppbv	98
16) 1,3-Butadiene	2.947	39	2414	0.038	ppbv #	8
20) Methylene Chloride	3.915	84	106899	1.729	ppbv	92
23) Vinyl Acetate	4.606	43	1720	0.033	ppbv #	63
25) Ethyl Acetate	5.195	43	51305	0.219	ppbv #	77
26) Hexane	5.192	57	73079	0.714	ppbv #	40
34) 2-Butanone	4.787	43	4298	0.034	ppbv #	54
36) Benzene	6.356	78	13558	0.060	ppbv #	78
39) 1,2-Dichloropropane	6.635	63	651806	7.433	ppbv #	27

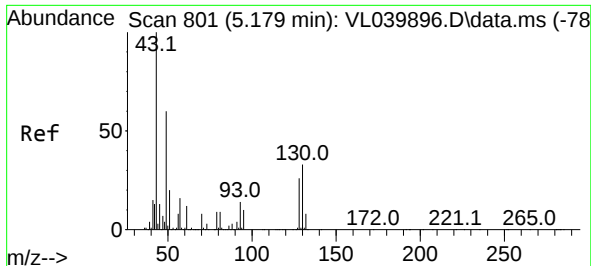
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

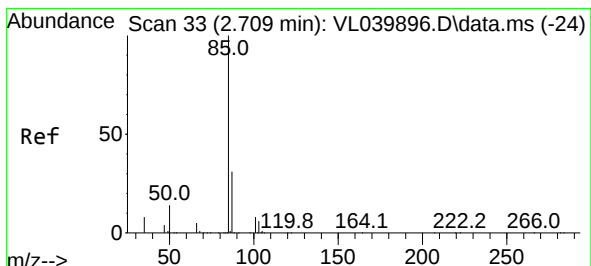
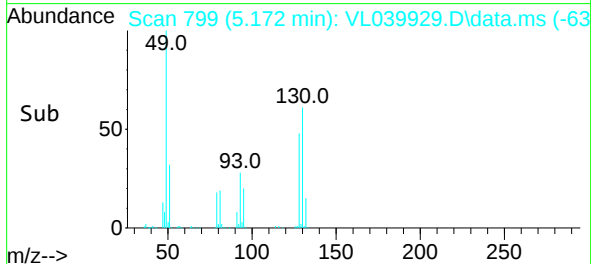
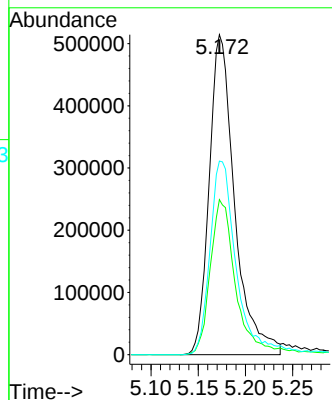
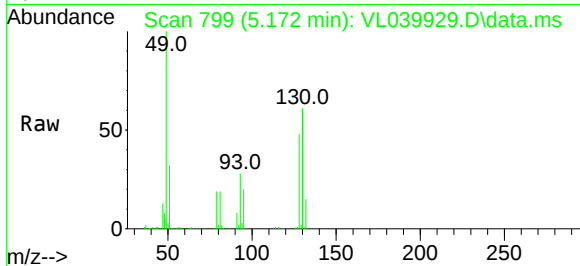




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. 0.016 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

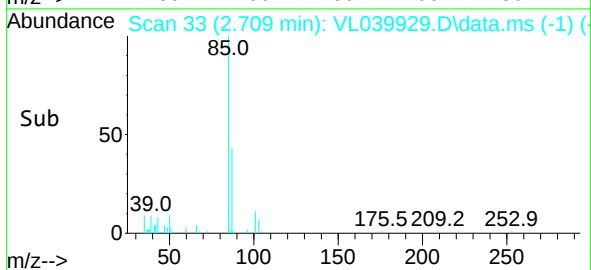
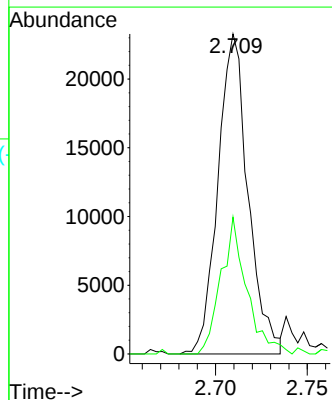
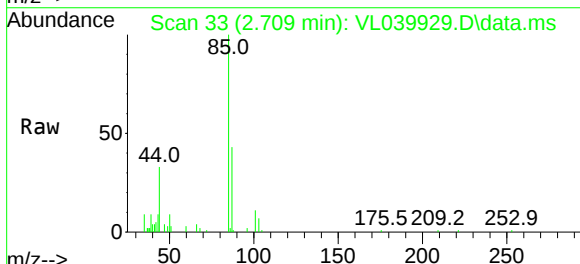
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

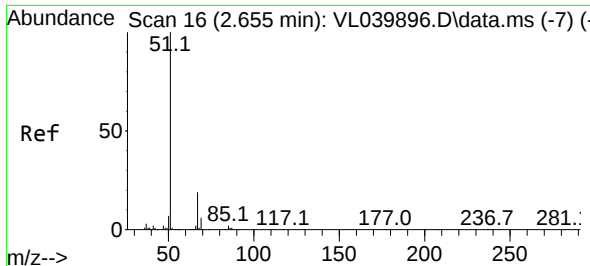
Tgt Ion: 49 Resp: 962140
Ion Ratio Lower Upper
49 100
128 49.8 22.1 66.3
130 64.6 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.193 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 85 Resp: 26599
Ion Ratio Lower Upper
85 100
87 42.8 25.0 37.4#

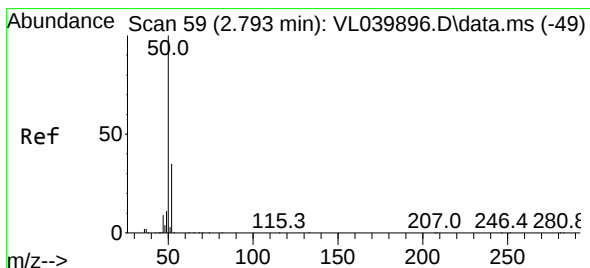
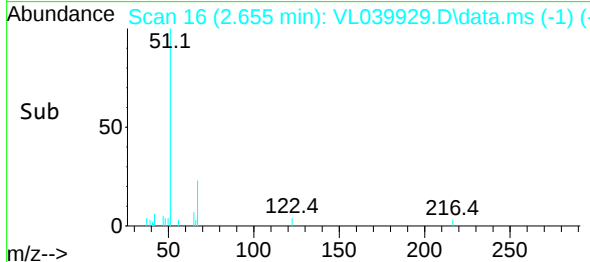
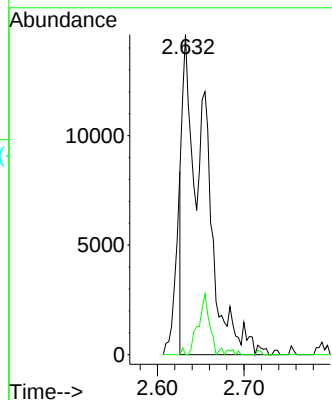
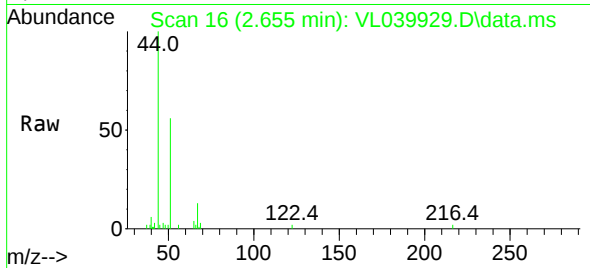




#3
Chlorodifluoromethane
Concen: 0.197 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

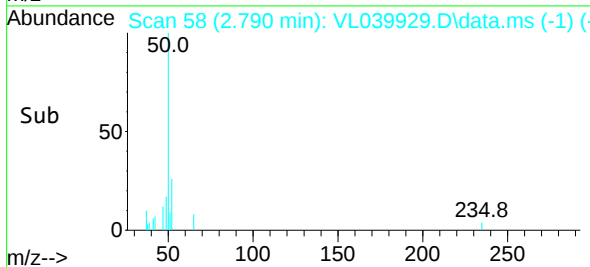
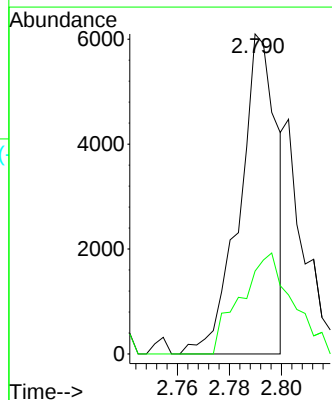
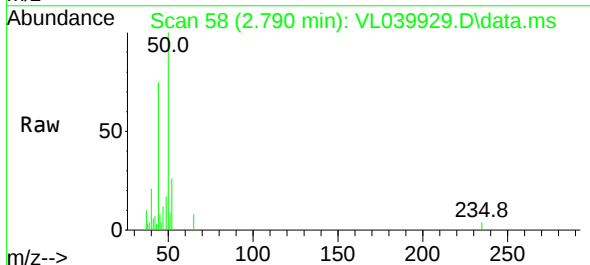
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

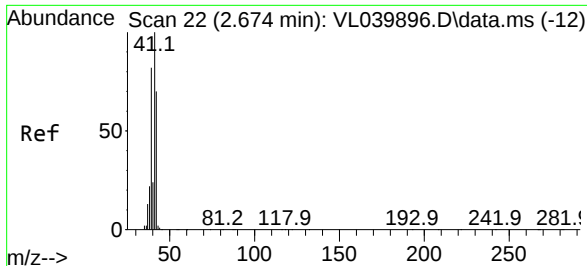
Tgt Ion: 51 Resp: 26093
Ion Ratio Lower Upper
51 100
67 10.2 14.2 21.4#



#4
Chloromethane
Concen: 0.072 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 50 Resp: 6087
Ion Ratio Lower Upper
50 100
52 25.9 27.8 41.8#





#9

Propene

Concen: 0.298 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.019 min

Lab File: VL039929.D

Acq: 22 Nov 2022 23:27

Instrument :

MSVOA_L

ClientSampleId :

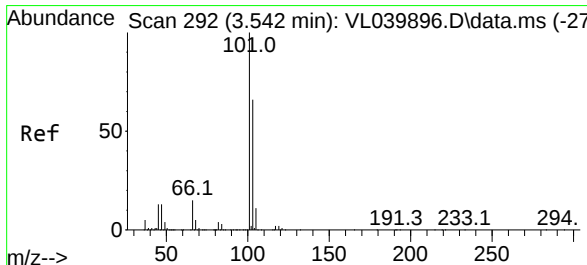
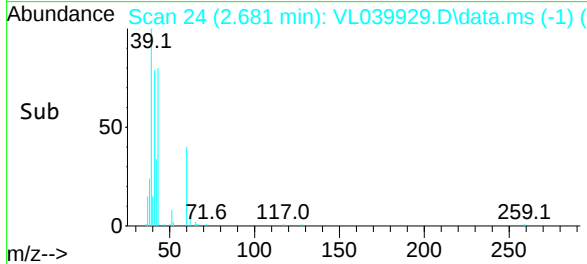
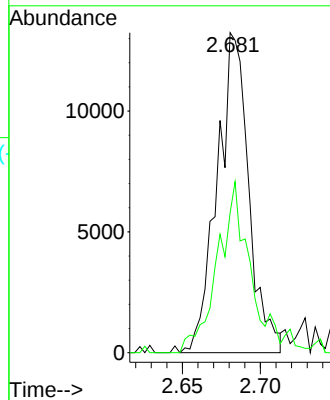
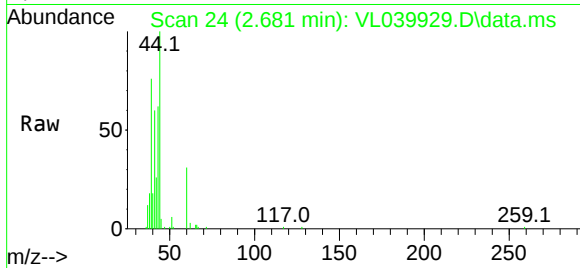
OA1DL

Tgt Ion: 41 Resp: 18650

Ion Ratio Lower Upper

41 100

42 57.9 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.068 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.013 min

Lab File: VL039929.D

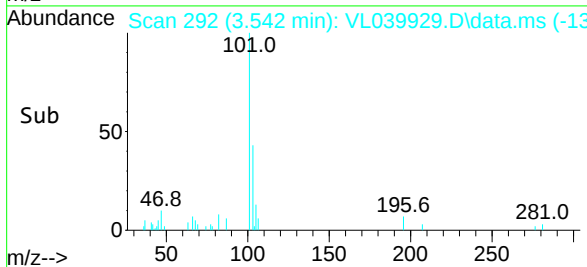
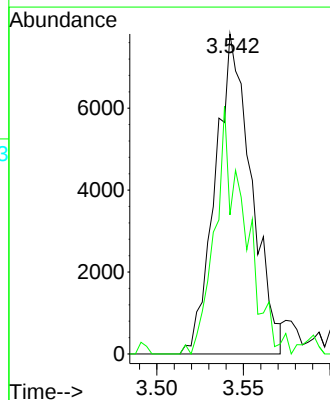
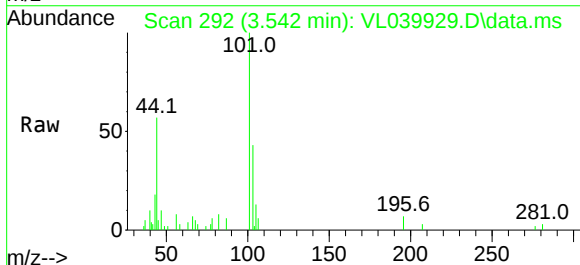
Acq: 22 Nov 2022 23:27

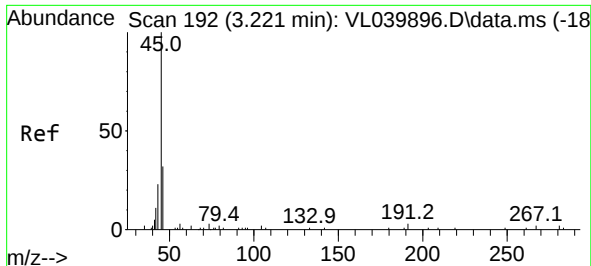
Tgt Ion: 101 Resp: 11372

Ion Ratio Lower Upper

101 100

103 43.5 52.6 78.8

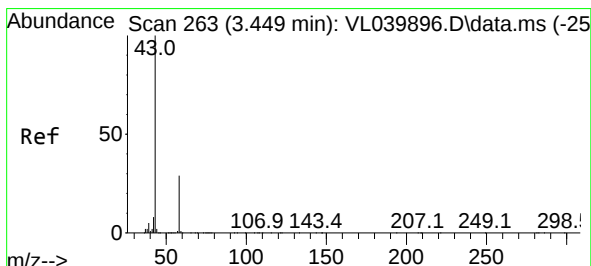
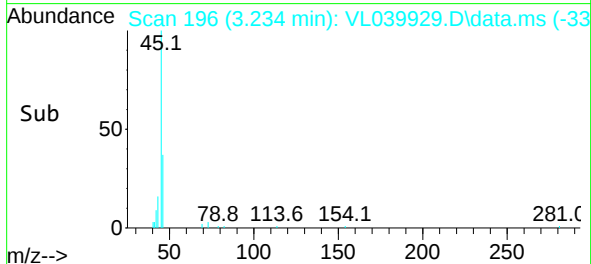
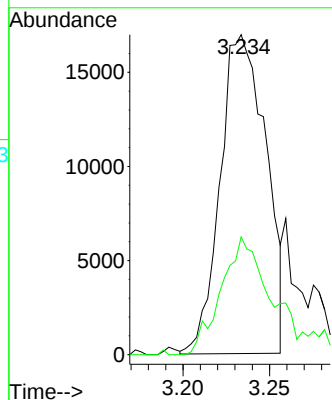
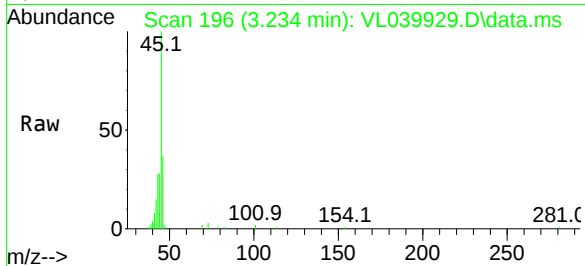




#13
Ethanol
Concen: 6.529 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.026 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

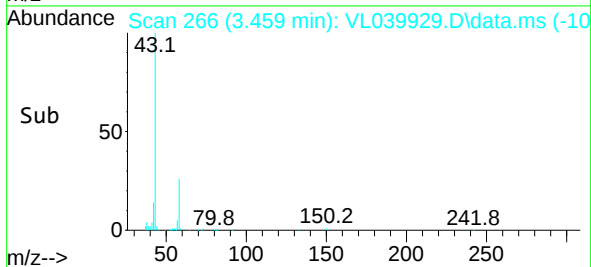
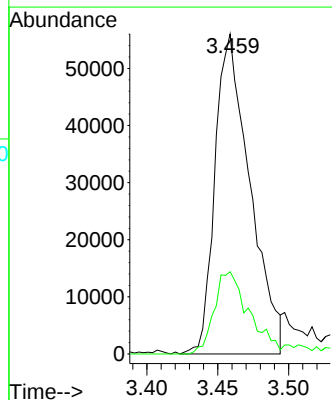
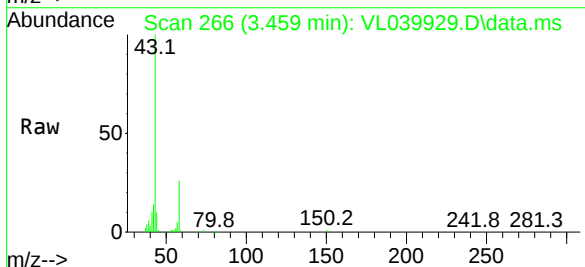
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

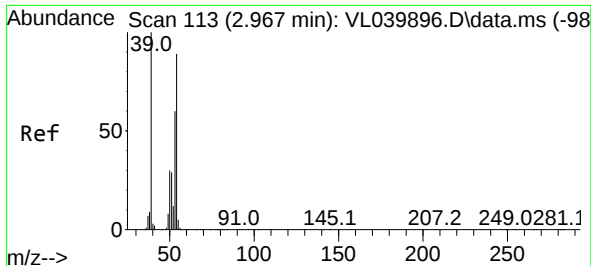
Tgt Ion: 45 Resp: 31175
Ion Ratio Lower Upper
45 100
46 43.7 14.6 58.2



#15
Acetone
Concen: 0.753 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.026 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 43 Resp: 96129
Ion Ratio Lower Upper
43 100
58 29.4 22.9 34.3

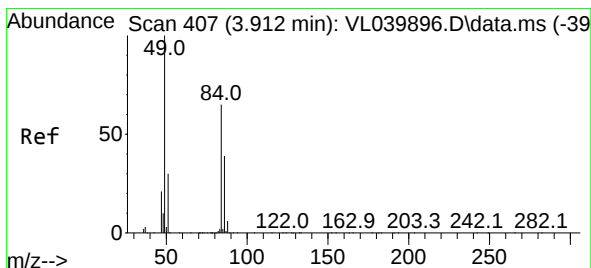
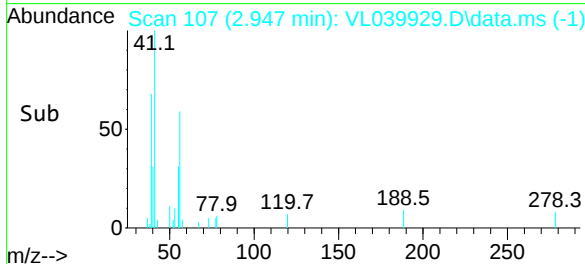
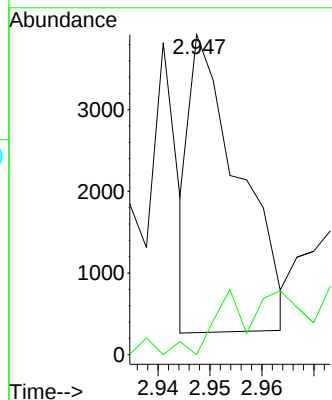
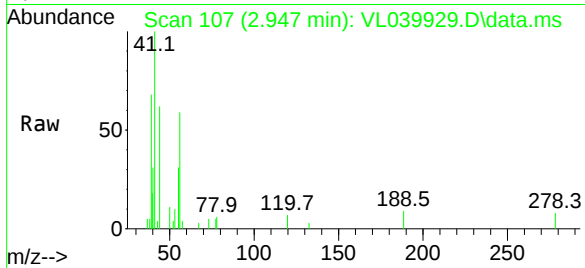




#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 2.947 min Scan# 113
Delta R.T. -0.007 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

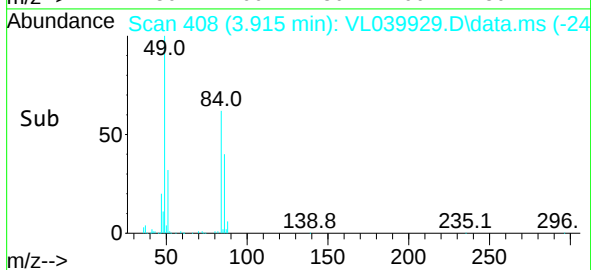
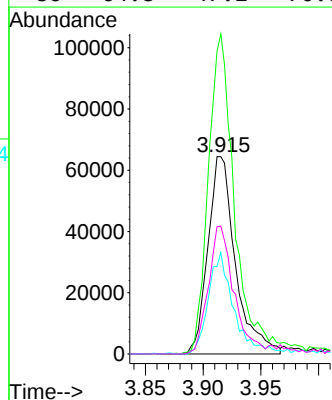
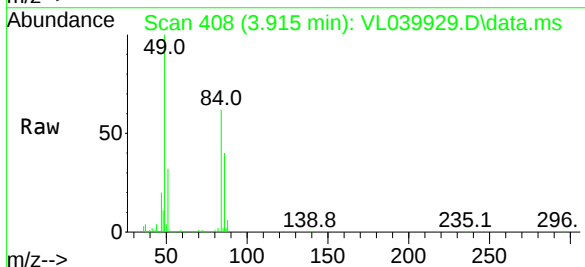
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

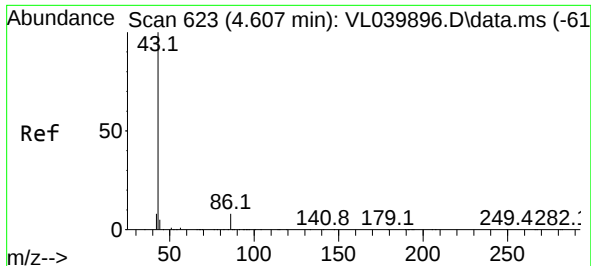
Tgt Ion: 39 Resp: 2414
Ion Ratio Lower Upper
39 100
54 0.0 66.6 99.8#



#20
Methylene Chloride
Concen: 1.729 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.016 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 84 Resp: 106899
Ion Ratio Lower Upper
84 100
49 162.1 122.2 183.4
51 51.5 36.3 54.5
86 64.8 47.2 70.8

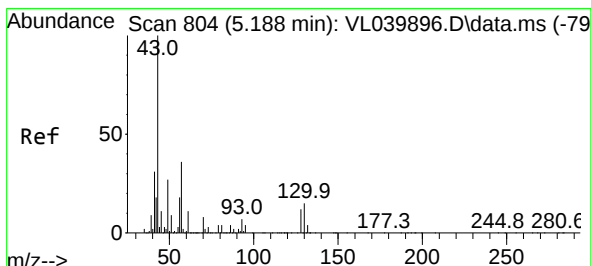
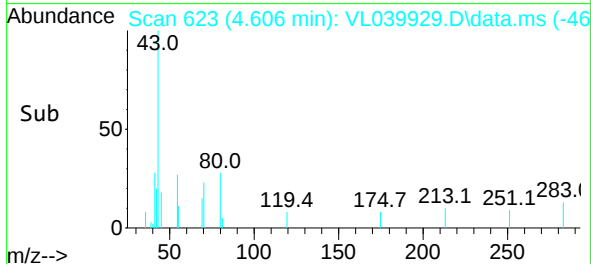
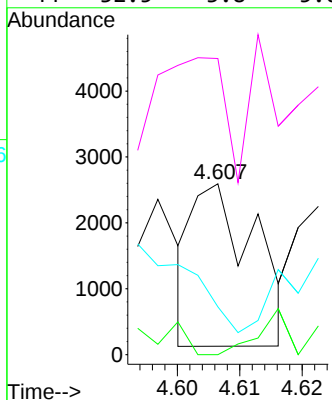
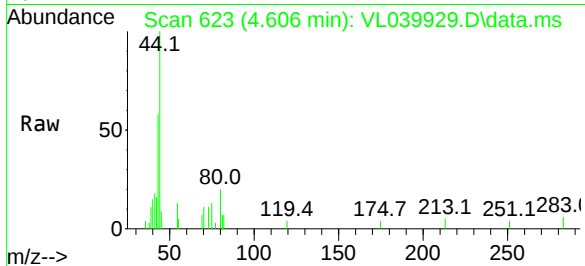




#23
 Vinyl Acetate
 Concen: 0.033 ppbv
 RT: 4.606 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL039929.D
 Acq: 22 Nov 2022 23:27

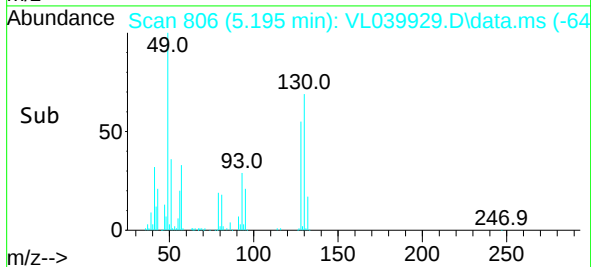
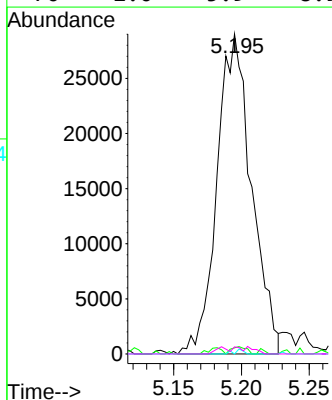
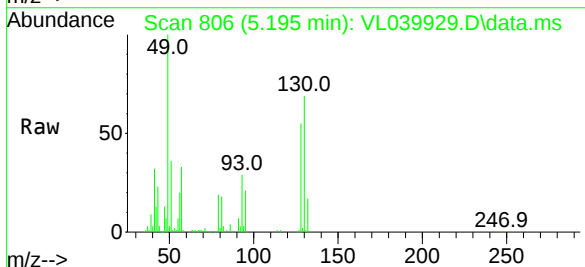
Instrument :
 MSVOA_L
 ClientSampleId :
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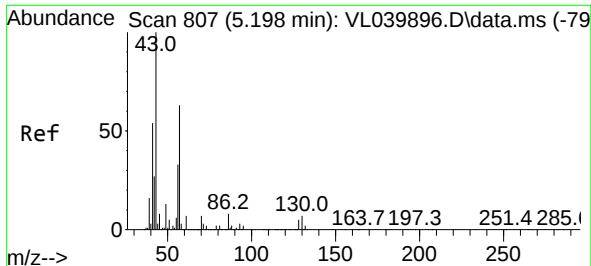
Tgt Ion: 43	Resp: 1720
Ion Ratio	Lower Upper
43 100	
86 0.0	5.0 7.4#
42 0.0	7.6 11.4#
44 32.5	3.8 5.6#



#25
 Ethyl Acetate
 Concen: 0.219 ppbv
 RT: 5.195 min Scan# 806
 Delta R.T. 0.026 min
 Lab File: VL039929.D
 Acq: 22 Nov 2022 23:27

Tgt	Ion: 43	Resp:	51305
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.4	12.6#
61	0.0	8.5	12.7#
70	2.0	5.9	8.9#

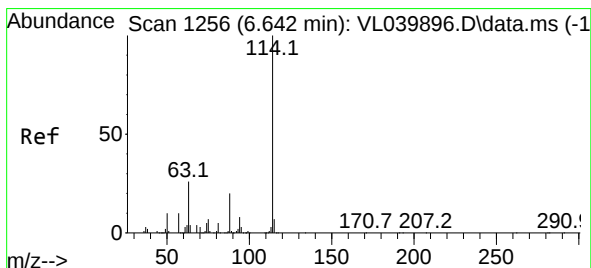
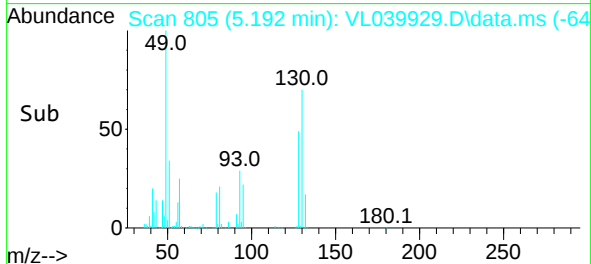
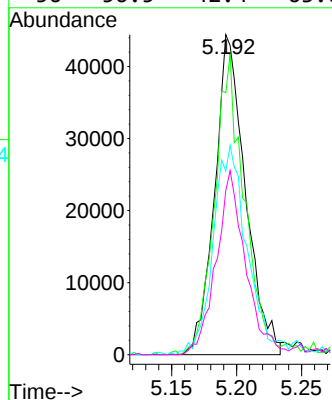
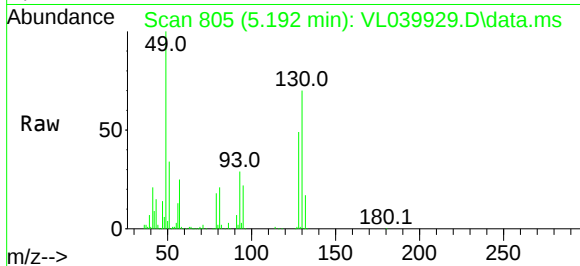




#26
Hexane
Concen: 0.714 ppbv
RT: 5.192 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

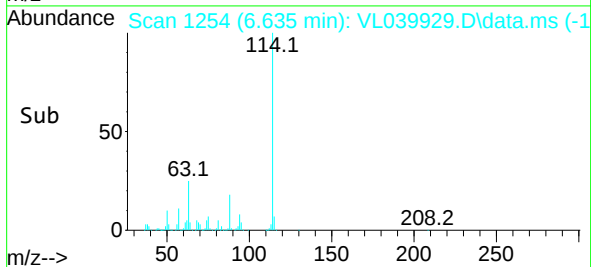
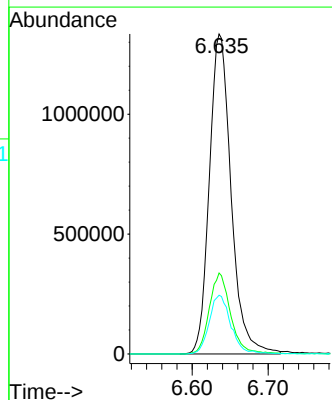
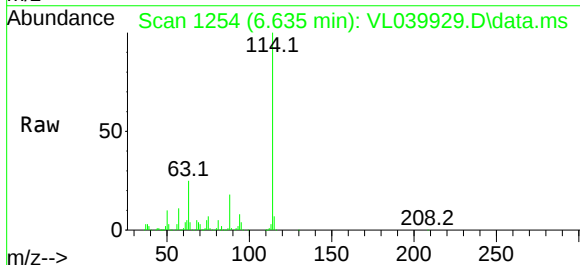
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

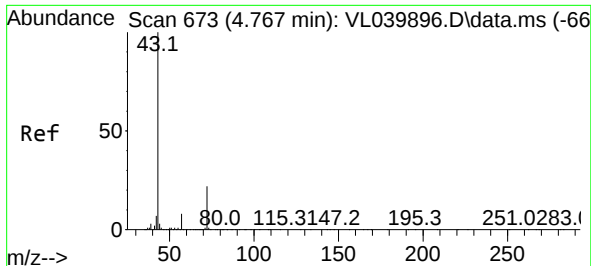
Tgt Ion: 57	Resp: 73079
Ion Ratio	Lower Upper
57 100	
41 92.8	72.3 108.5
43 76.4	188.7 283.1#
56 56.5	42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 114	Resp: 2647871
Ion Ratio	Lower Upper
114 100	
63 24.9	21.4 32.0
88 18.4	15.3 22.9

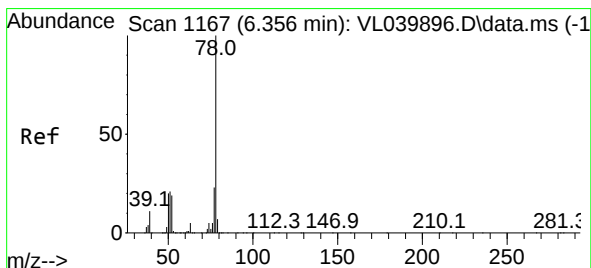
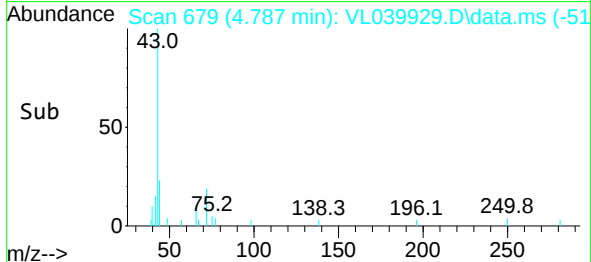
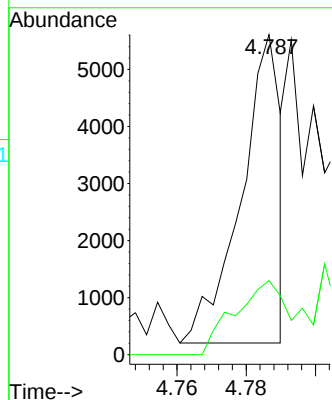
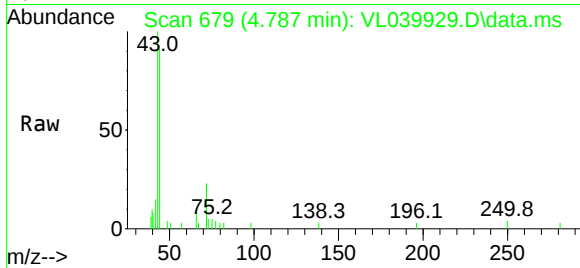




#34
2-Butanone
Concen: 0.034 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.035 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

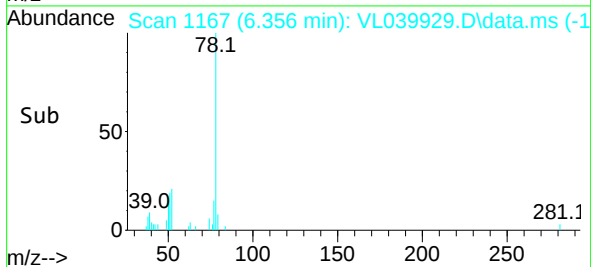
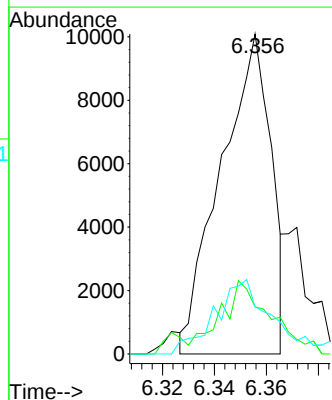
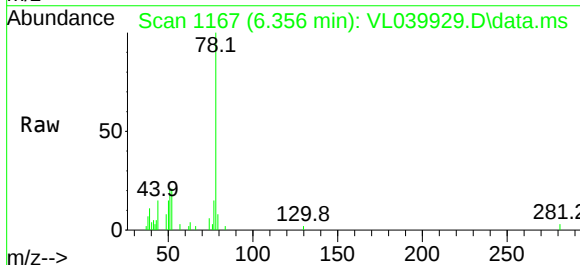
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

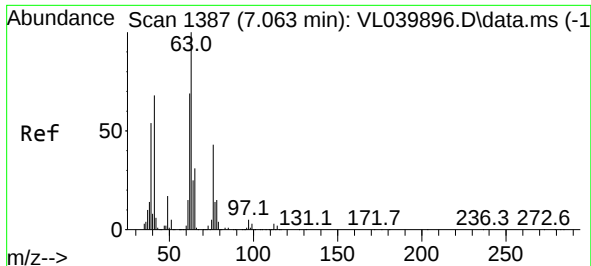
Tgt Ion: 43 Resp: 4298
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.2#



#36
Benzene
Concen: 0.060 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.019 min
Lab File: VL039929.D
Acq: 22 Nov 2022 23:27

Tgt Ion: 78 Resp: 13558
Ion Ratio Lower Upper
78 100
77 10.2 18.2 27.2#
50 11.7 15.8 23.8#





#39

1,2-Dichloropropane

Concen: 7.433 ppbv

RT: 6.635 min Scan# 1

Delta R.T. -0.405 min

Lab File: VL039929.D

Acq: 22 Nov 2022 23:27

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

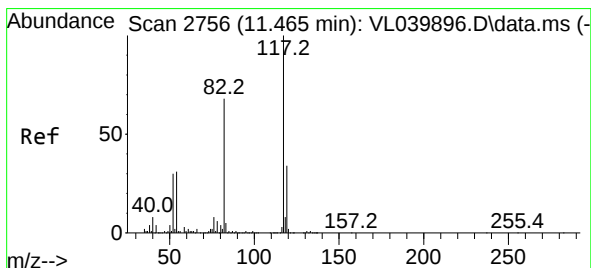
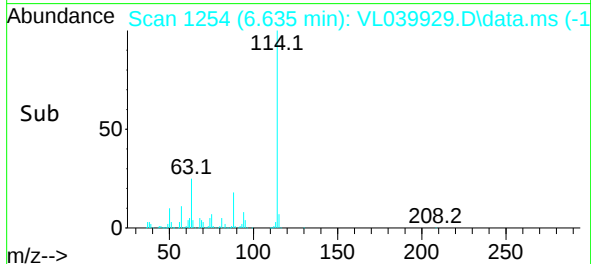
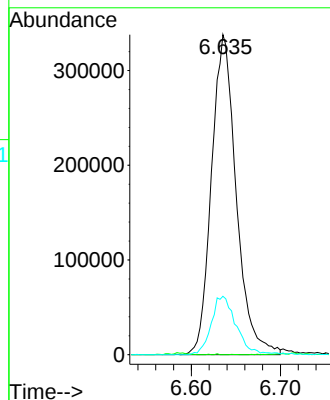
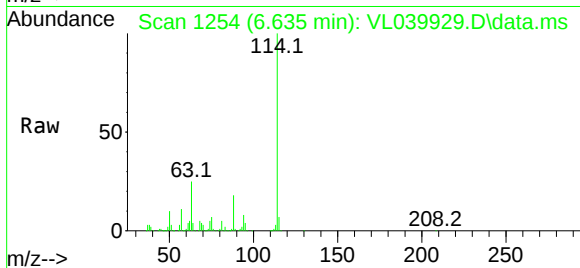
Tgt Ion: 63 Resp: 651806

Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 18.3 55.0 82.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. 0.016 min

Lab File: VL039929.D

Acq: 22 Nov 2022 23:27

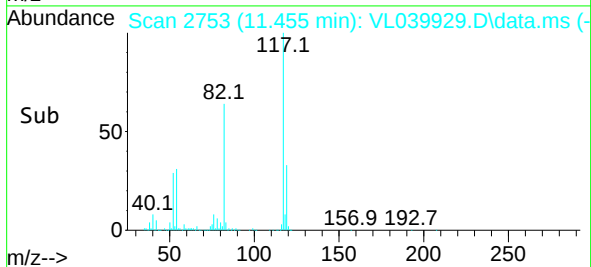
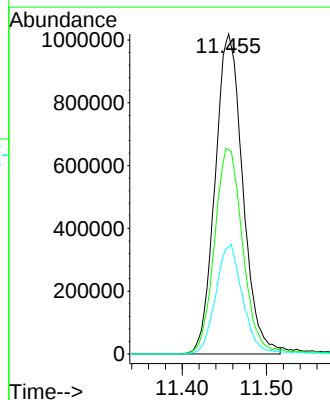
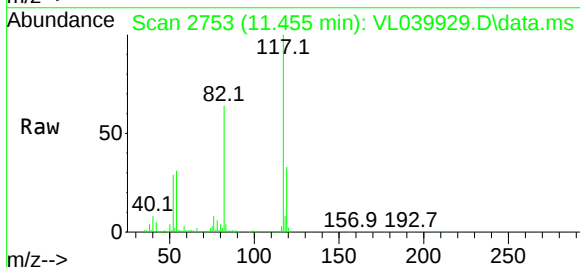
Tgt Ion: 117 Resp: 2320403

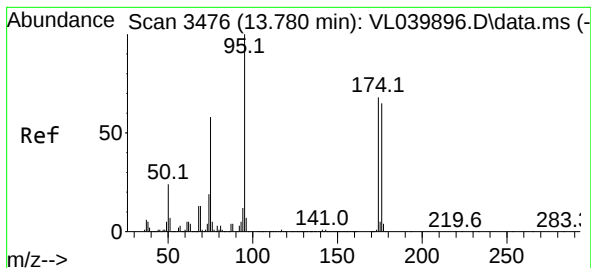
Ion Ratio Lower Upper

117 100

82 66.4 52.3 78.5

119 33.9 25.7 38.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.338 ppbv

RT: 13.764 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL039929.D

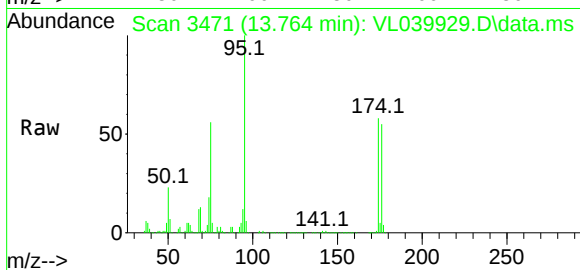
Acq: 22 Nov 2022 23:27

Instrument :

MSVOA_L

ClientSampleId :

OA1DL



Tgt Ion: 95 Resp: 1832171

Ion Ratio Lower Upper

95 100

174 61.8 53.7 80.5

175 4.5 4.0 6.0

