

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039803.D
 Acq On : 26 Oct 2022 1:20
 Operator : SY/AP
 Sample : N5227-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 JDL

Quant Time: Oct 28 08:13:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Oct 24 20:00:55 2022
 Response via : Initial Calibration

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

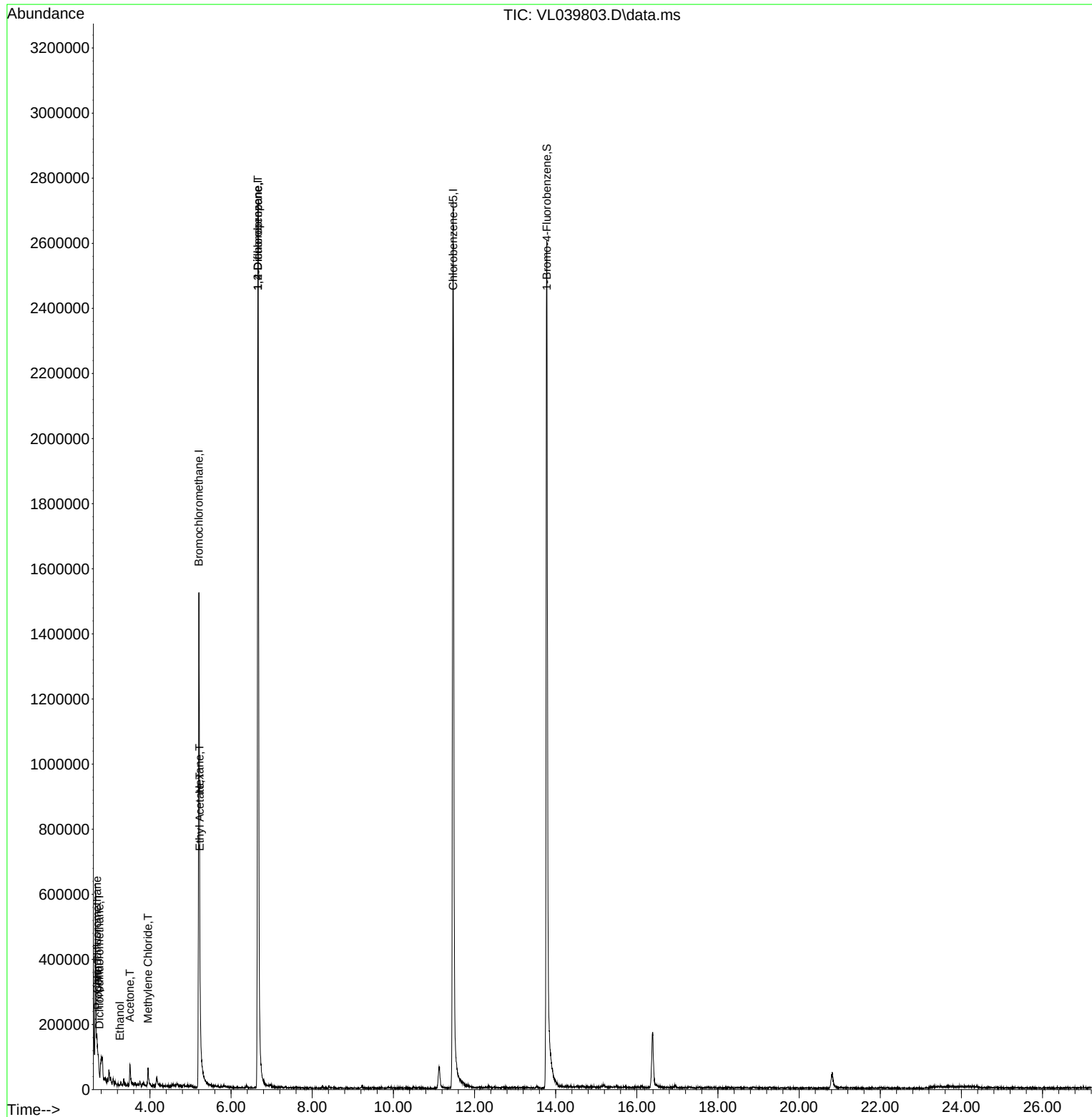
Internal Standards						
1) Bromochloromethane	5.205	49	843503	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2159904	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1881293	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1278440	9.553	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	4246	0.048	ppbv #	75
3) Chlorodifluoromethane	2.697	51	53572	0.529	ppbv #	63
9) Propene	2.719	41	17570	0.404	ppbv	100
13) Ethanol	3.259	45	297	0.095	ppbv #	37
15) Acetone	3.504	43	64192	0.637	ppbv	97
20) Methylene Chloride	3.951	84	7586	0.198	ppbv #	79
25) Ethyl Acetate	5.227	43	6566	0.033	ppbv #	77
26) Hexane	5.224	57	6668	0.081	ppbv #	40
39) 1,2-Dichloropropane	6.661	63	540361	8.432	ppbv #	25

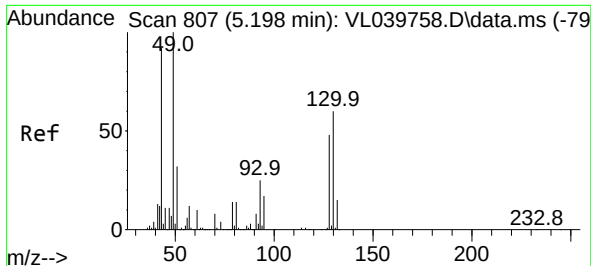
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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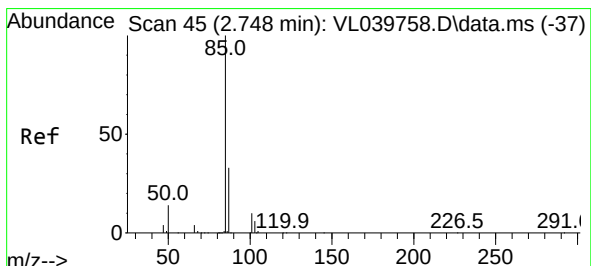
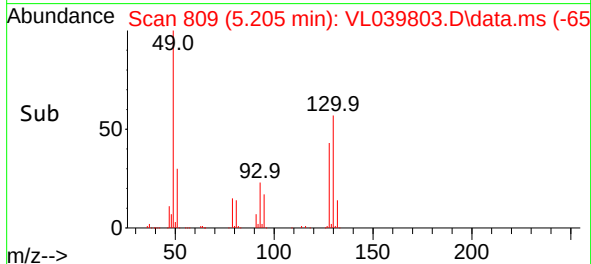
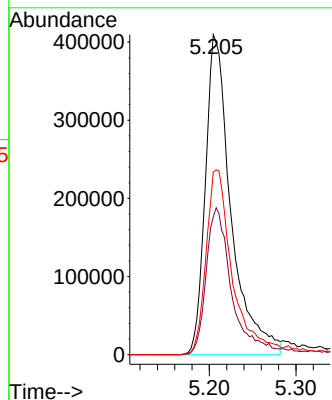
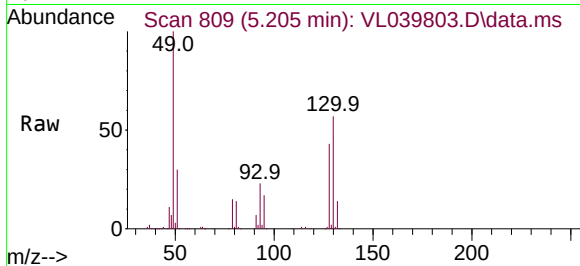




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

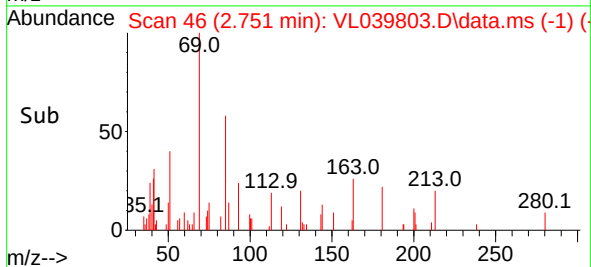
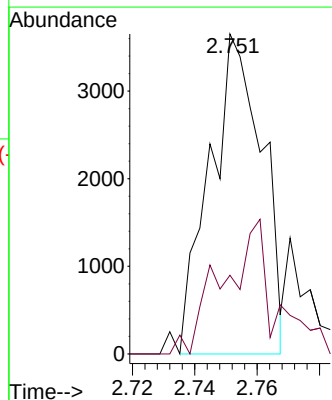
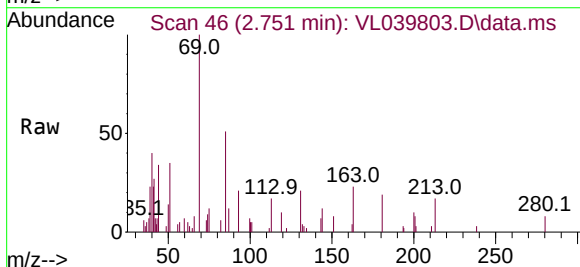
Instrument :
MSVOA_L
ClientSampleId :
JDL

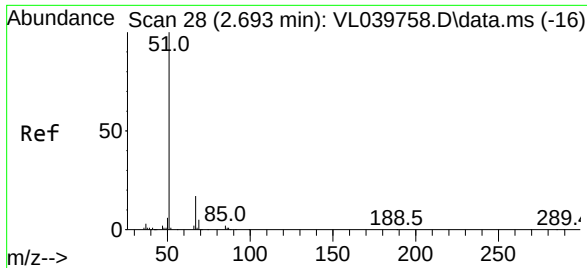
Tgt Ion: 49 Resp: 843503
Ion Ratio Lower Upper
49 100
128 47.1 24.6 74.0
130 62.0 31.8 95.3



#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Tgt Ion: 85 Resp: 4246
Ion Ratio Lower Upper
85 100
87 18.7 26.1 39.1#

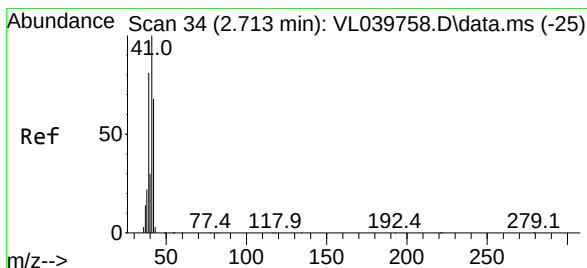
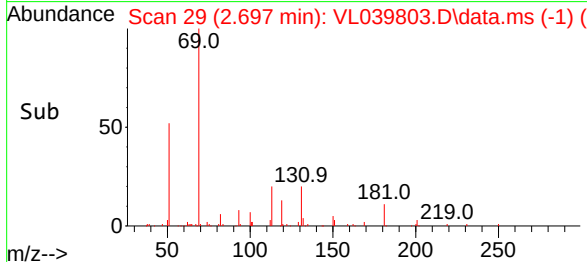
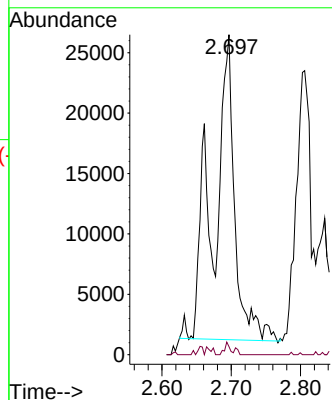
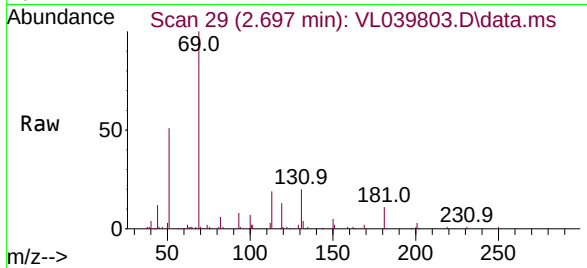




#3
Chlorodifluoromethane
Concen: 0.529 ppbv
RT: 2.697 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

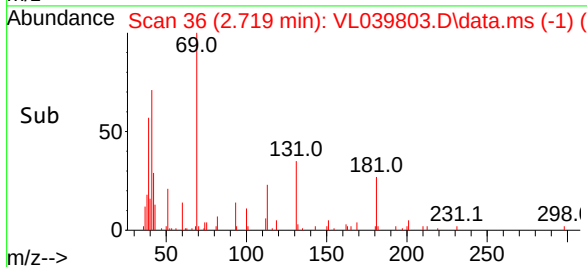
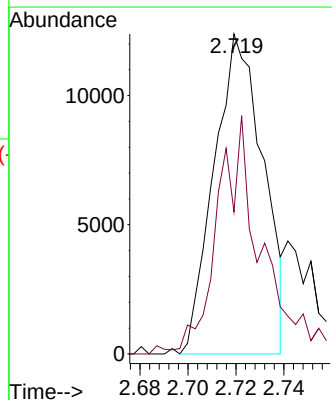
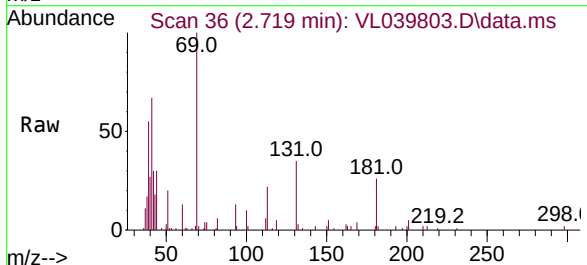
Instrument :
MSVOA_L
ClientSampleId :
JDL

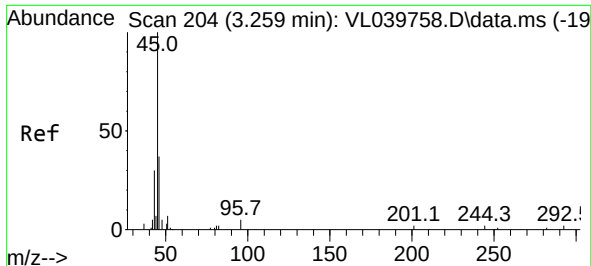
Tgt Ion: 51 Resp: 53572
Ion Ratio Lower Upper
51 100
67 1.4 14.2 21.2#



#9
Propene
Concen: 0.404 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.006 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Tgt Ion: 41 Resp: 17570
Ion Ratio Lower Upper
41 100
42 72.2 58.0 87.0

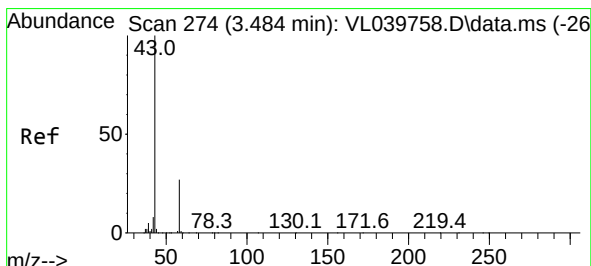
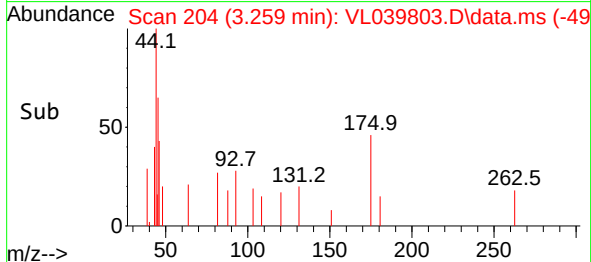
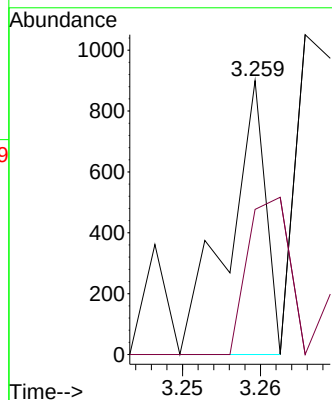
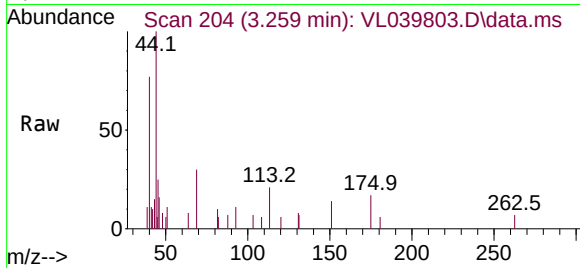




#13
Ethanol
Concen: 0.095 ppbv
RT: 3.259 min Scan# 204
Delta R.T. -0.000 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

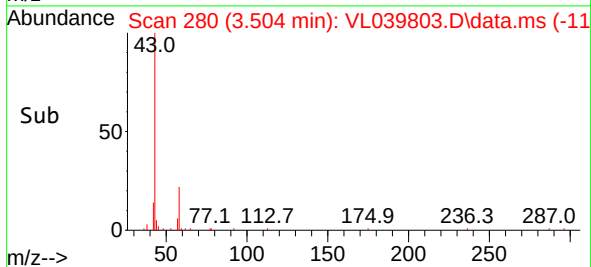
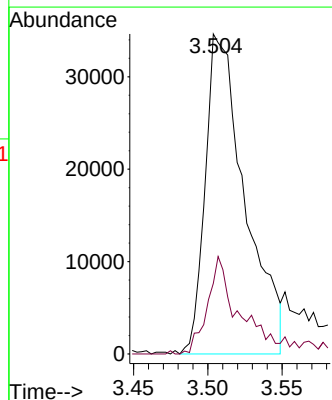
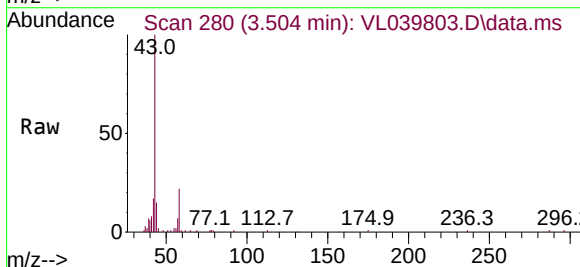
Instrument :
MSVOA_L
ClientSampleId :
JDL

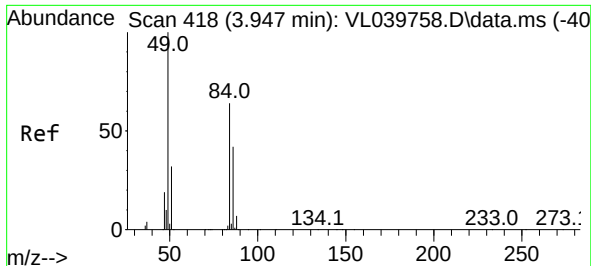
Tgt Ion: 45 Resp: 297
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#15
Acetone
Concen: 0.637 ppbv
RT: 3.504 min Scan# 280
Delta R.T. 0.019 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Tgt Ion: 43 Resp: 64192
Ion Ratio Lower Upper
43 100
58 24.1 20.7 31.1



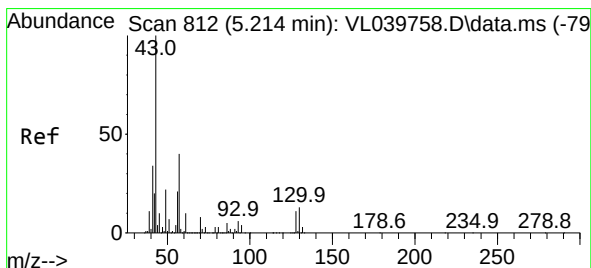
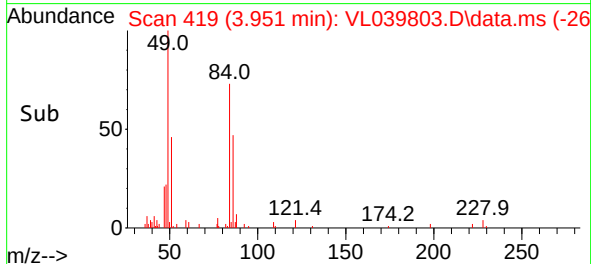
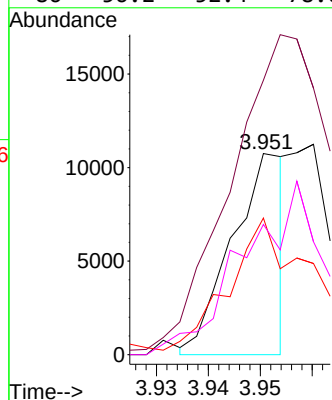
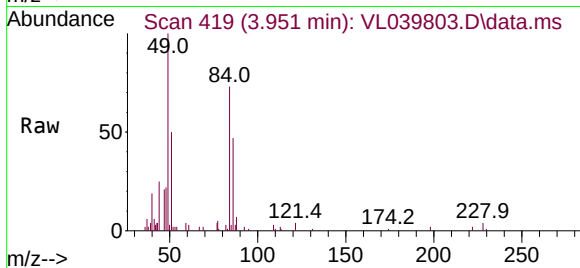


#20
Methylene Chloride
Concen: 0.198 ppbv
RT: 3.951 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Instrument :
MSVOA_L
ClientSampleId :
JDL

Tgt Ion: 84 Resp: 7586

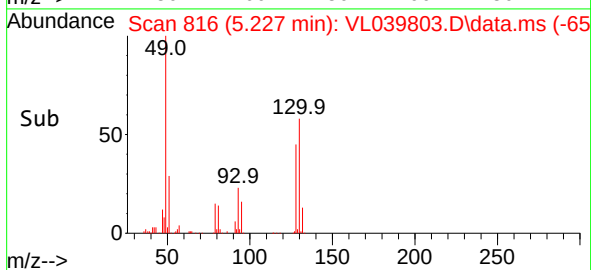
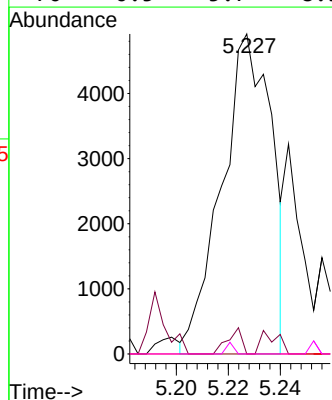
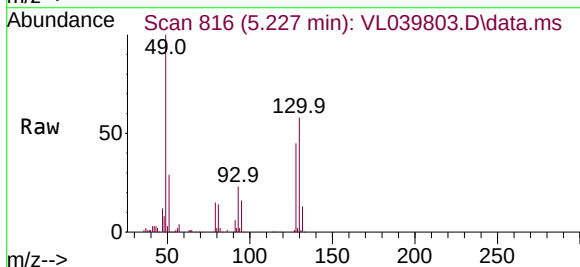
Ion	Ratio	Lower	Upper
84	100		
49	124.6	126.0	189.0#
51	63.6	40.9	61.3#
86	56.2	52.4	78.6

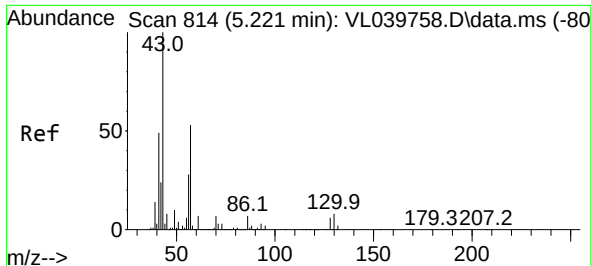


#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.013 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Tgt Ion: 43 Resp: 6566

Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.2#
61	0.0	8.2	12.4#
70	0.5	5.7	8.5#

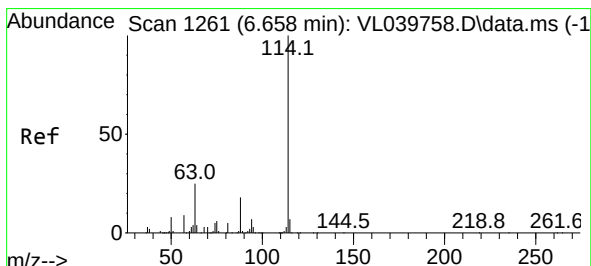
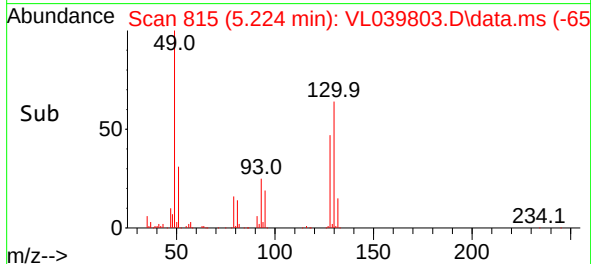
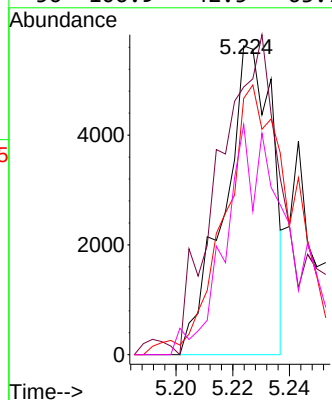
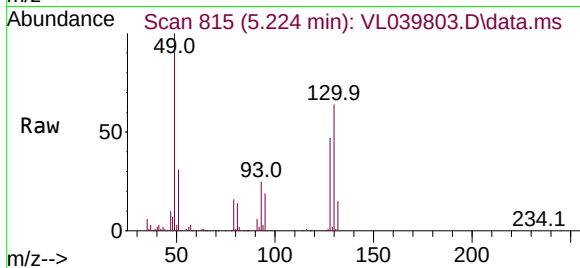




#26
Hexane
Concen: 0.081 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

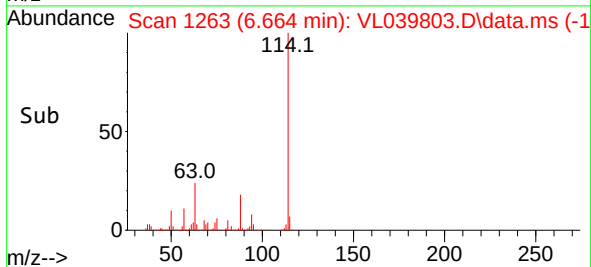
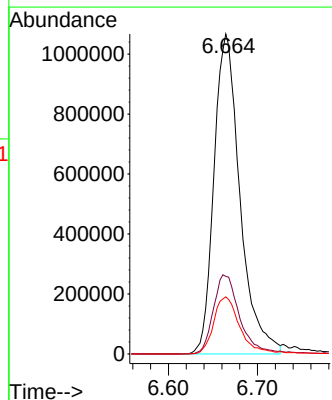
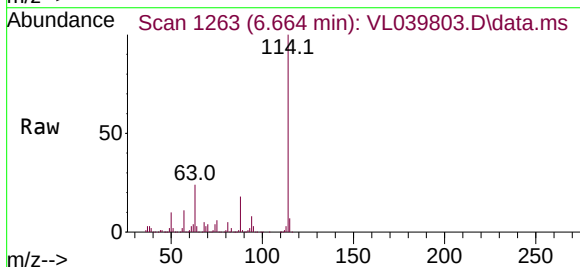
Instrument :
MSVOA_L
ClientSampleId :
JDL

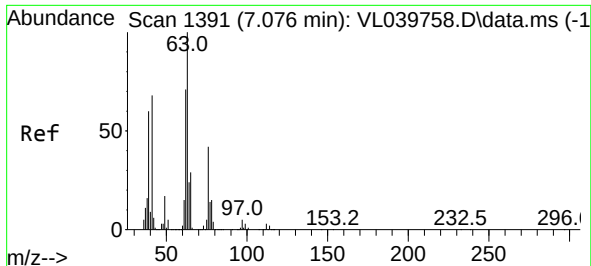
Tgt Ion: 57 Resp: 6668
Ion Ratio Lower Upper
57 100
41 152.9 76.1 114.1#
43 147.2 197.1 295.7#
56 106.9 42.5 63.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VL039803.D
Acq: 26 Oct 2022 1:20

Tgt Ion: 114 Resp: 2159904
Ion Ratio Lower Upper
114 100
63 25.7 20.1 30.1
88 18.5 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.432 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL039803.D

Acq: 26 Oct 2022 1:20

Instrument :

MSVOA_L

ClientSampleId :

JDL

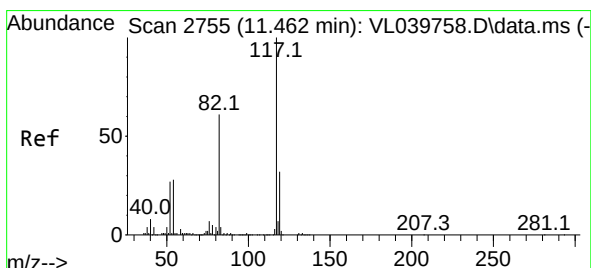
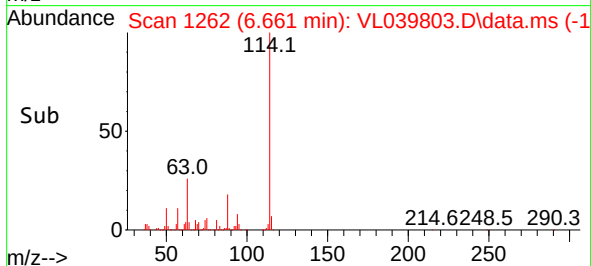
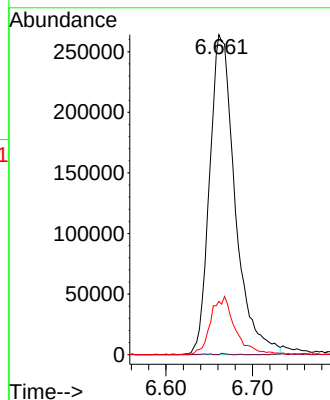
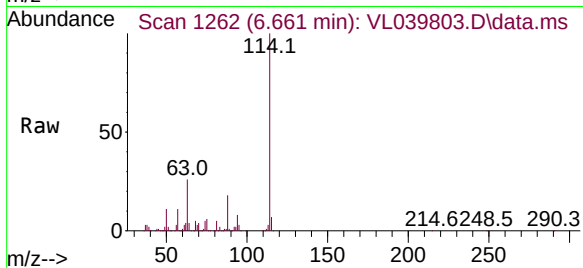
Tgt Ion: 63 Resp: 540361

Ion Ratio Lower Upper

63 100

41 0.0 54.5 81.7#

62 16.6 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. 0.010 min

Lab File: VL039803.D

Acq: 26 Oct 2022 1:20

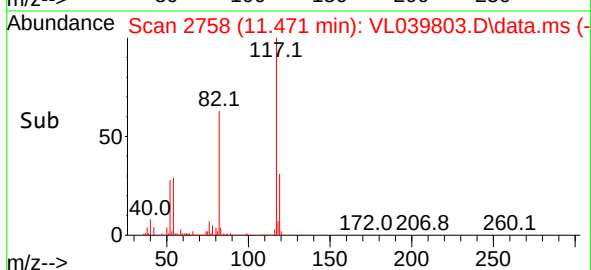
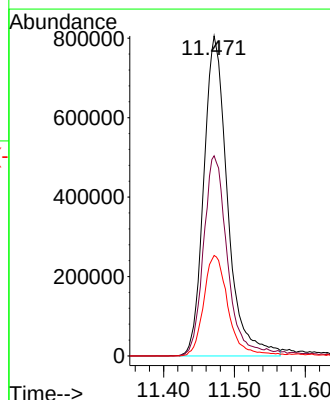
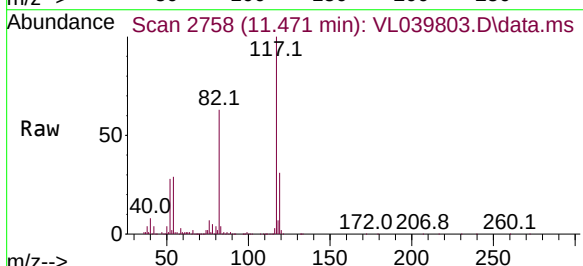
Tgt Ion: 117 Resp: 1881293

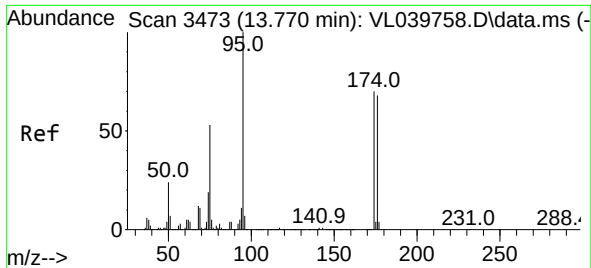
Ion Ratio Lower Upper

117 100

82 64.2 49.9 74.9

119 32.4 25.2 37.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.553 ppbv
 RT: 13.780 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL039803.D
 Acq: 26 Oct 2022 1:20

Instrument :
 MSVOA_L
 ClientSampleId :
 JDL

Tgt Ion: 95 Resp: 1278440
 Ion Ratio Lower Upper
 95 100
 174 77.0 57.3 85.9
 175 5.7 4.2 6.2

