

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039805.D
 Acq On : 26 Oct 2022 2:41
 Operator : SY/AP
 Sample : N5227-11DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KDL

Quant Time: Oct 28 08:14:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

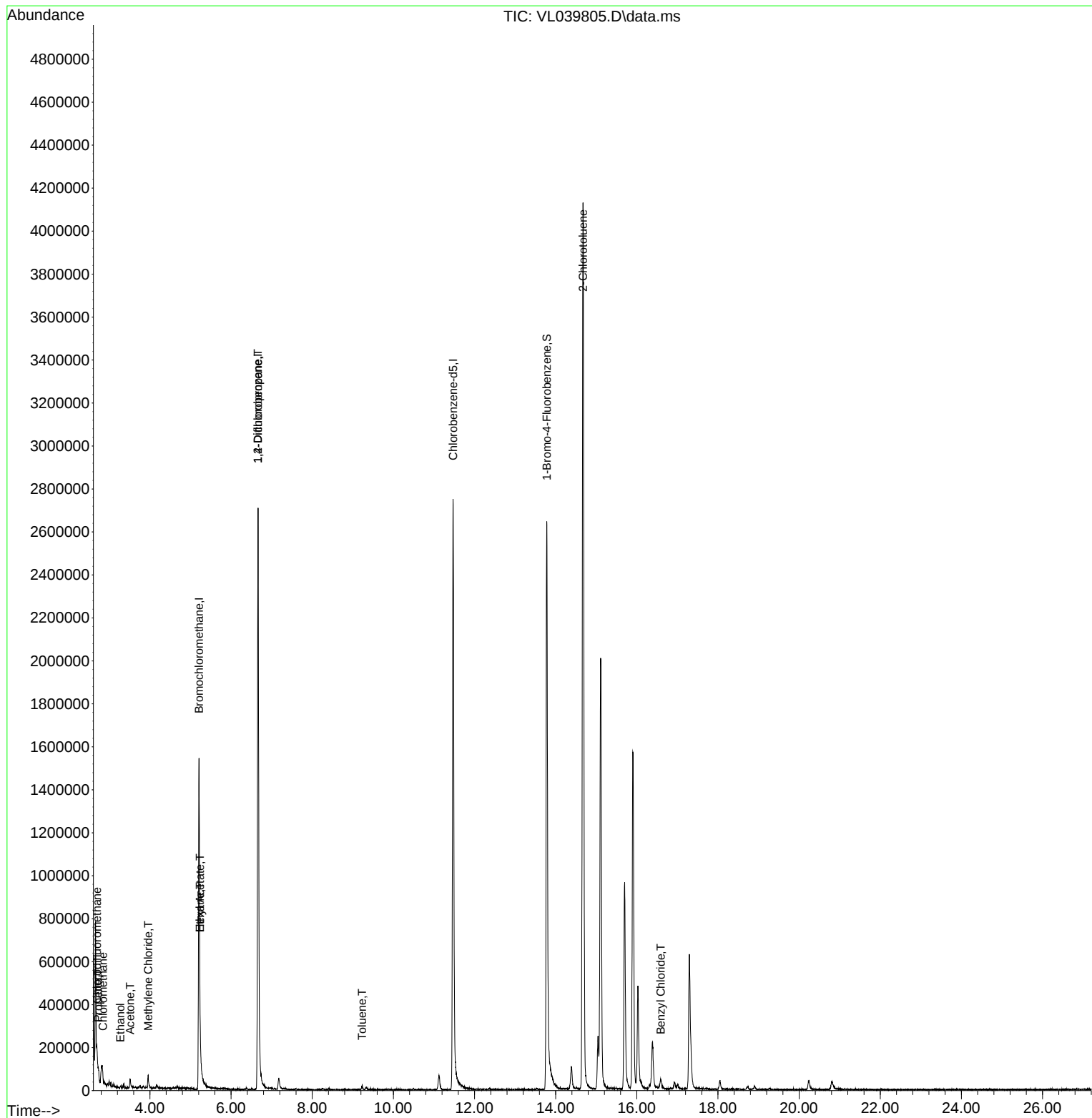
Internal Standards						
1) Bromochloromethane	5.211	49	834692	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	2168211	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	1857105	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1290164	9.766	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.694	51	44889	0.448	ppbv #	68
4) Chloromethane	2.841	50	5726	0.091	ppbv #	82
9) Propene	2.726	41	12375	0.287	ppbv	91
13) Ethanol	3.269	45	685	0.221	ppbv #	37
15) Acetone	3.513	43	25137	0.252	ppbv #	69
20) Methylene Chloride	3.957	84	14716	0.388	ppbv	92
25) Ethyl Acetate	5.230	43	8757	0.045	ppbv #	80
26) Hexane	5.230	57	8400	0.104	ppbv #	28
39) 1,2-Dichloropropane	6.664	63	535397	8.323	ppbv #	25
53) Toluene	9.230	91	6579	0.038	ppbv #	21
66) Benzyl Chloride	16.590	91	5829	0.345	ppbv #	71
71) 2-Chlorotoluene	14.674	91	1065796	5.610	ppbv #	42

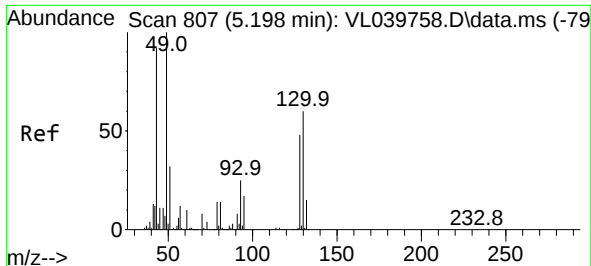
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 28 08:14:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

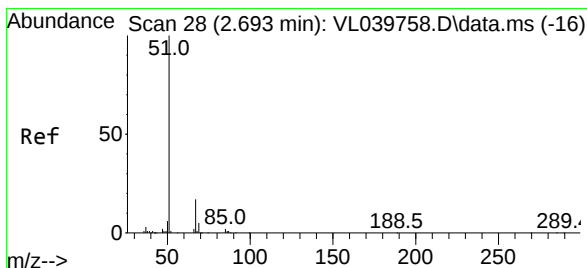
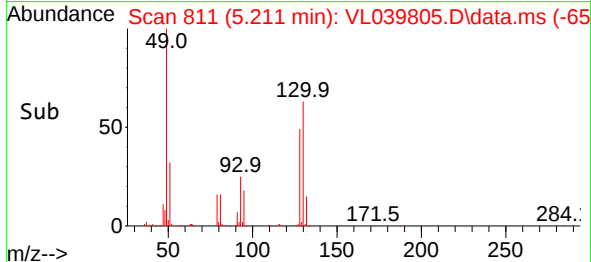
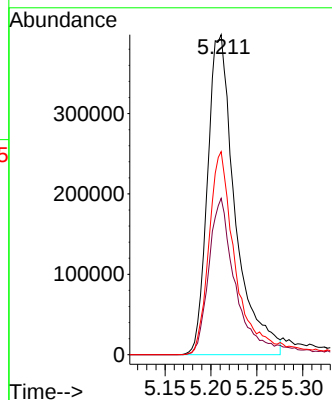
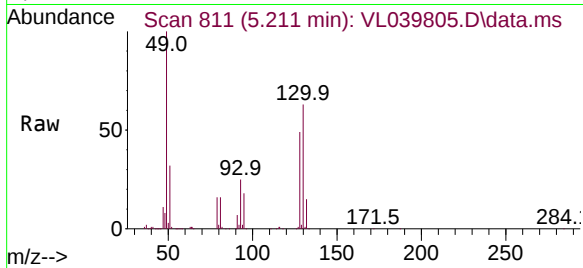




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

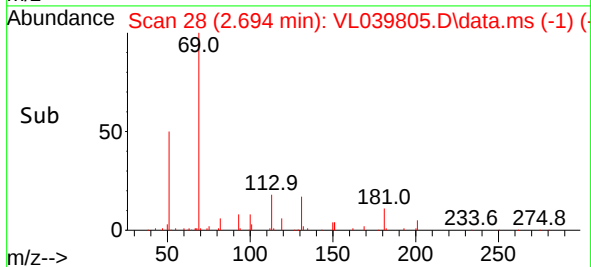
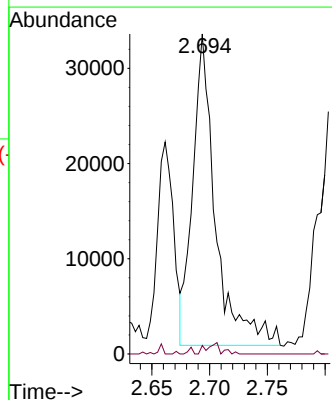
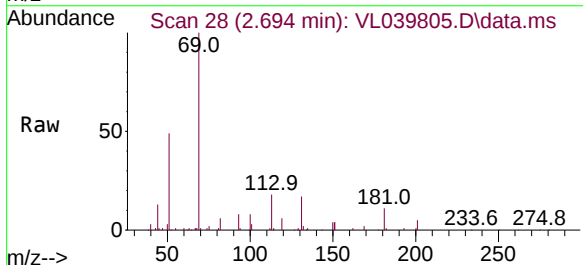
Instrument :
MSVOA_L
ClientSampleId :
KDL

Tgt Ion: 49 Resp: 834692
Ion Ratio Lower Upper
49 100
128 50.1 24.6 74.0
130 64.0 31.8 95.3

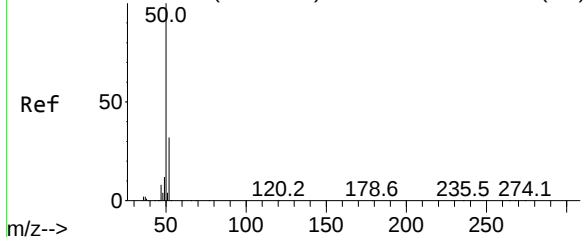


#3
Chlorodifluoromethane
Concen: 0.448 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.000 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion: 51 Resp: 44889
Ion Ratio Lower Upper
51 100
67 3.4 14.2 21.2#



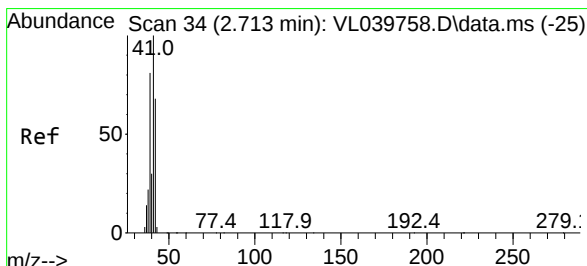
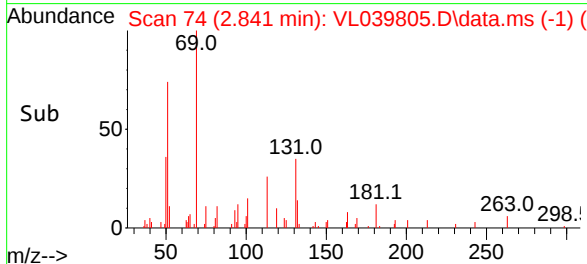
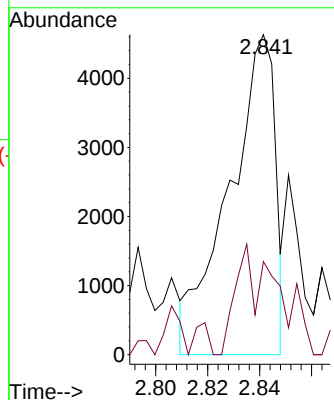
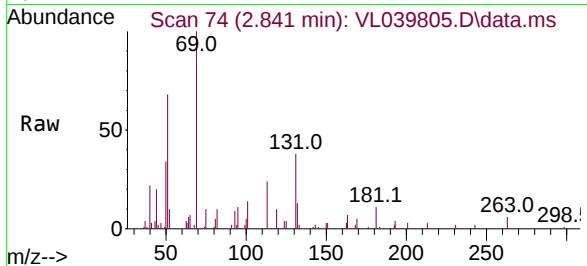
Abundance Scan 71 (2.832 min): VL039758.D\data.ms (-63)



#4
Chloromethane
Concen: 0.091 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

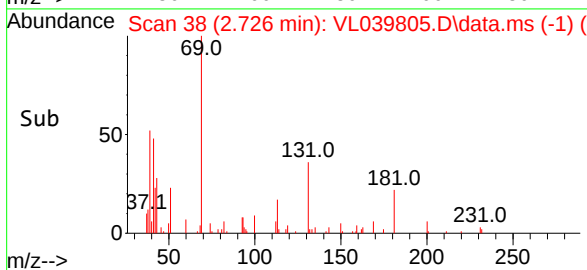
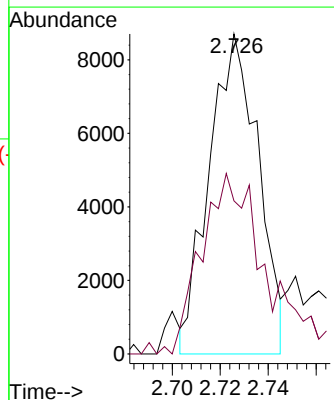
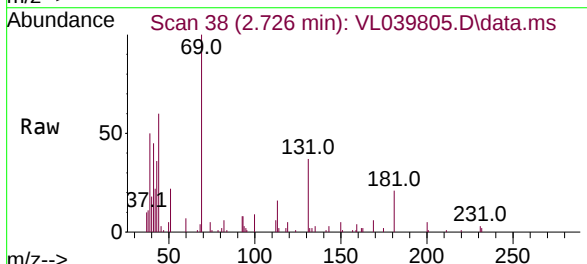
Instrument :
MSVOA_L
ClientSampleId :
KDL

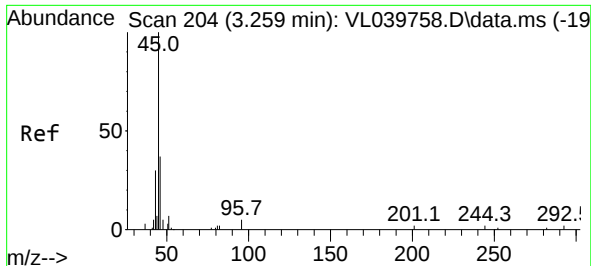
Tgt Ion: 50 Resp: 5726
Ion Ratio Lower Upper
50 100
52 22.4 25.9 38.9#



#9
Propene
Concen: 0.287 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.013 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion: 41 Resp: 12375
Ion Ratio Lower Upper
41 100
42 80.1 58.0 87.0

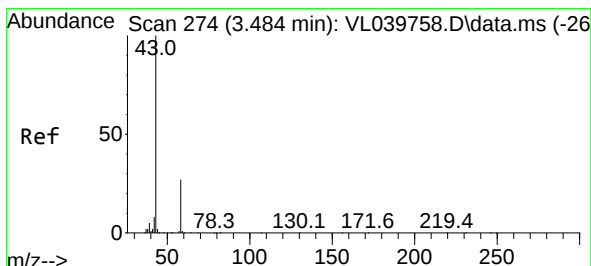
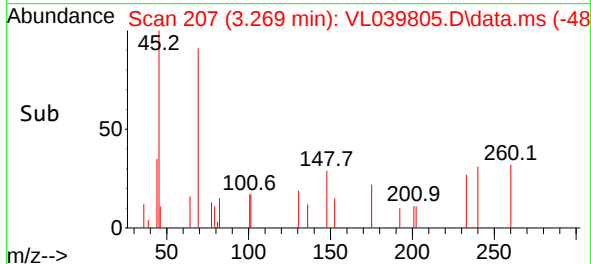
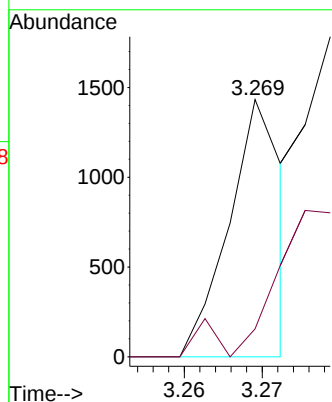
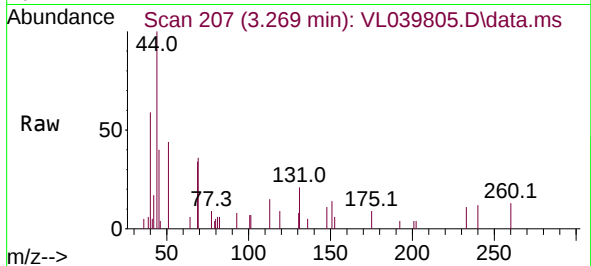




#13
 Ethanol
 Concen: 0.221 ppbv
 RT: 3.269 min Scan# 204
 Delta R.T. 0.010 min
 Lab File: VL039805.D
 Acq: 26 Oct 2022 2:41

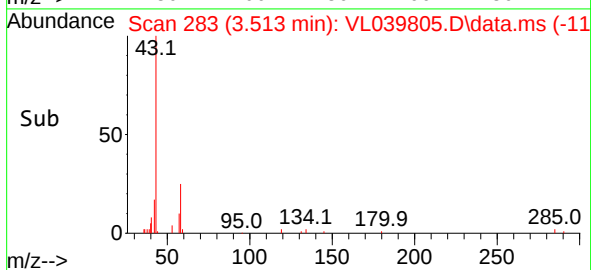
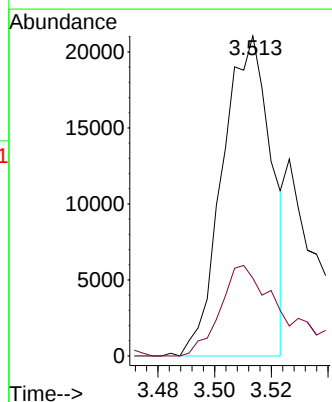
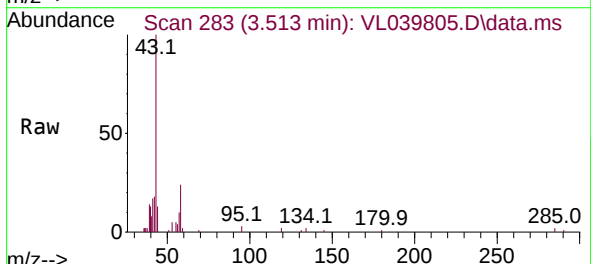
Instrument :
 MSVOA_1
 ClientSampleId :
 KDL

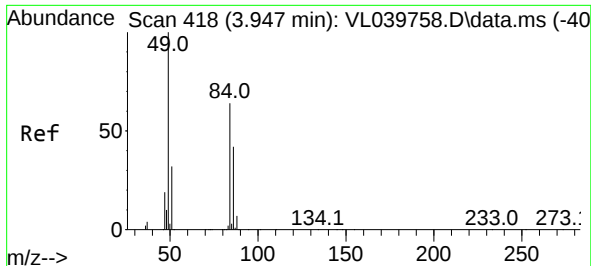
Tgt Ion: 45 Resp: 685
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#15
 Acetone
 Concen: 0.252 ppbv
 RT: 3.513 min Scan# 283
 Delta R.T. 0.029 min
 Lab File: VL039805.D
 Acq: 26 Oct 2022 2:41

Tgt Ion: 43 Resp: 25137
 Ion Ratio Lower Upper
 43 100
 58 41.9 20.7 31.1#

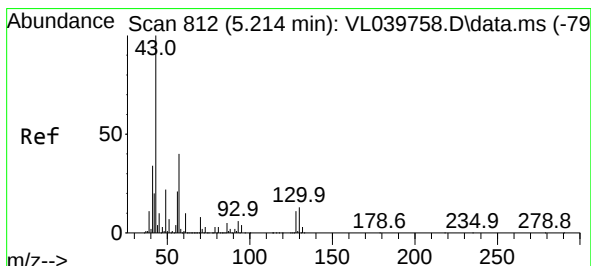
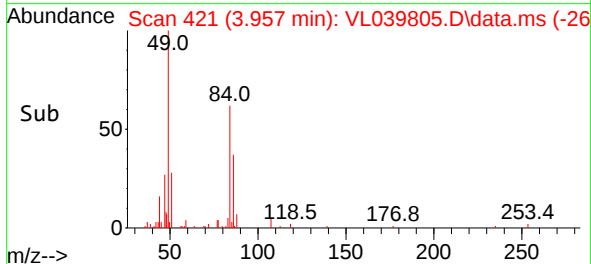
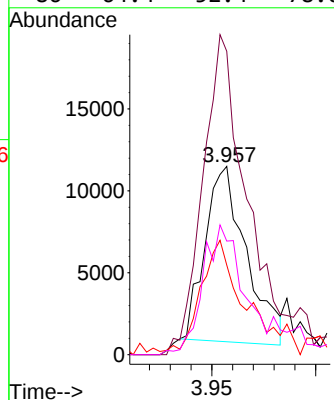
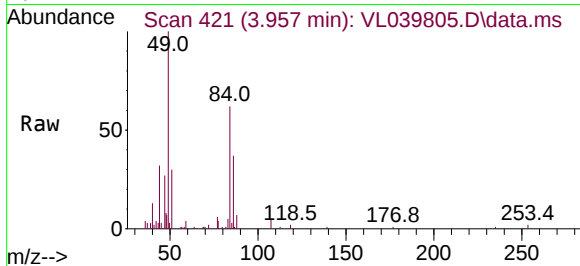




#20
Methylene Chloride
Concen: 0.388 ppbv
RT: 3.957 min Scan# 418
Delta R.T. 0.010 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

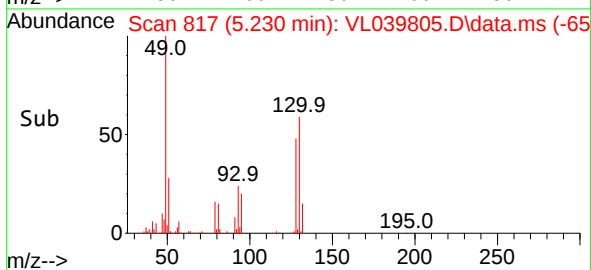
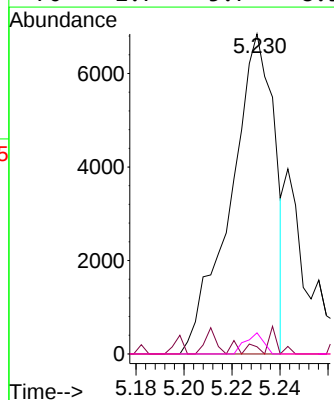
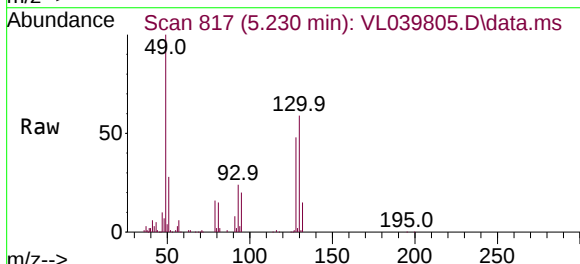
Instrument :
MSVOA_L
ClientSampleId :
KDL

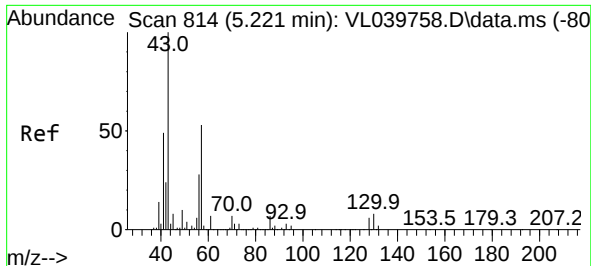
Tgt Ion:	84	Resp:	14716
Ion	Ratio	Lower	Upper
84	100		
49	172.9	126.0	189.0
51	48.8	40.9	61.3
86	64.4	52.4	78.6



#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.016 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion:	43	Resp:	8757
Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.2	12.2#
61	0.0	8.2	12.4#
70	2.7	5.7	8.5#

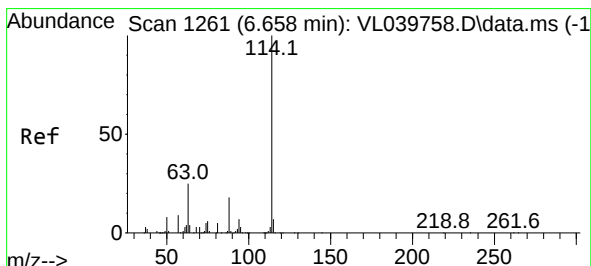
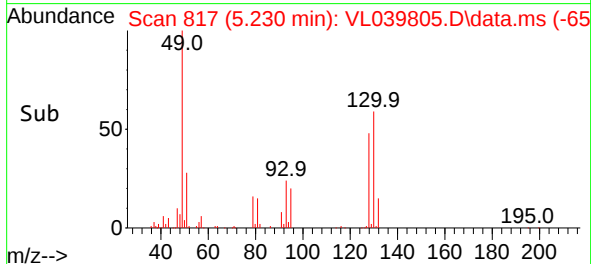
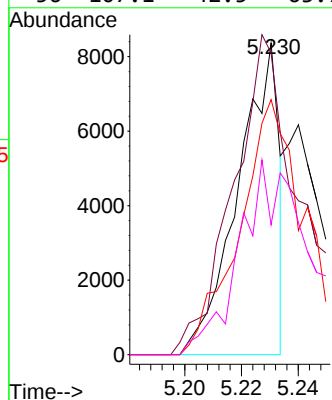
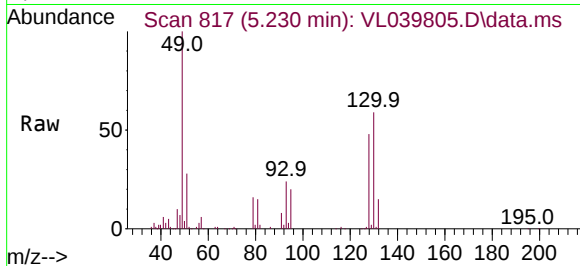




#26
Hexane
Concen: 0.104 ppbv
RT: 5.230 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

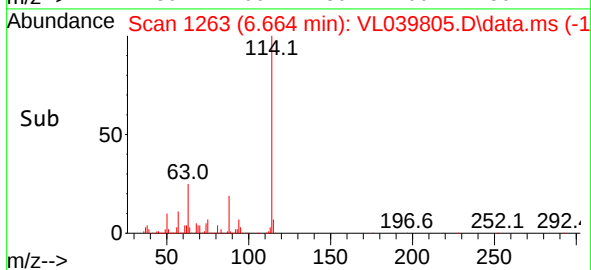
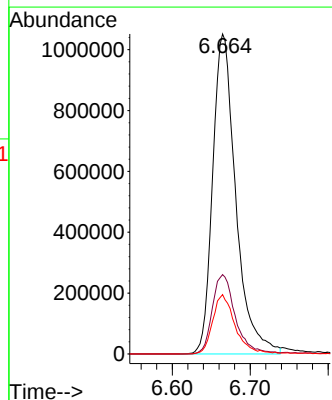
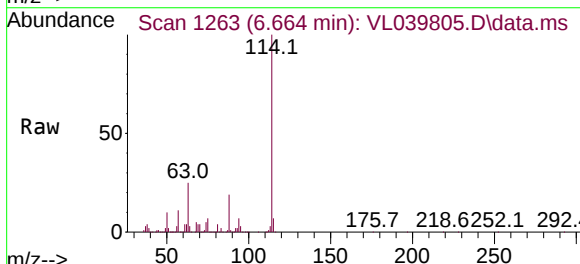
Instrument :
MSVOA_L
ClientSampleId :
KDL

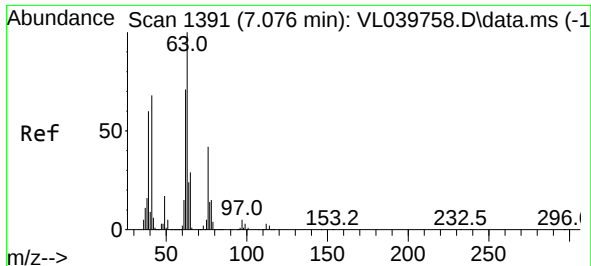
Tgt Ion: 57 Resp: 8400
Ion Ratio Lower Upper
57 100
41 187.9 76.1 114.1#
43 138.7 197.1 295.7#
56 107.1 42.5 63.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion: 114 Resp: 2168211
Ion Ratio Lower Upper
114 100
63 25.4 20.1 30.1
88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.323 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.411 min

Lab File: VL039805.D

Acq: 26 Oct 2022 2:41

Instrument :

MSVOA_L

ClientSampleId :

KDL

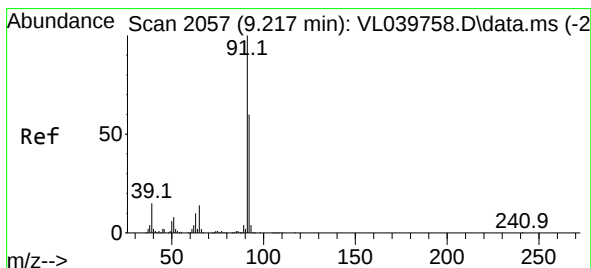
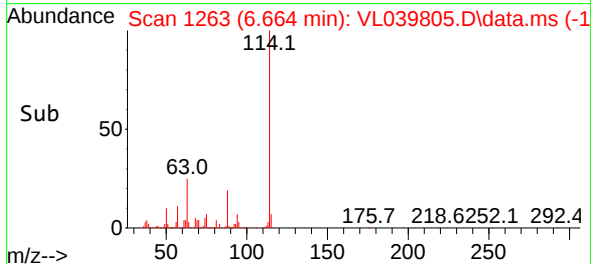
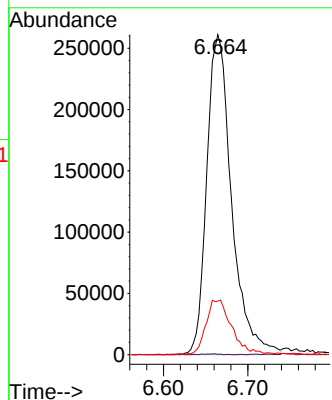
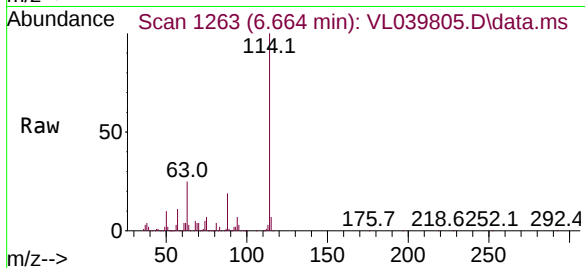
Tgt Ion: 63 Resp: 535397

Ion Ratio Lower Upper

63 100

41 0.0 54.5 81.7#

62 16.8 56.6 85.0#



#53

Toluene

Concen: 0.038 ppbv

RT: 9.230 min Scan# 2061

Delta R.T. 0.013 min

Lab File: VL039805.D

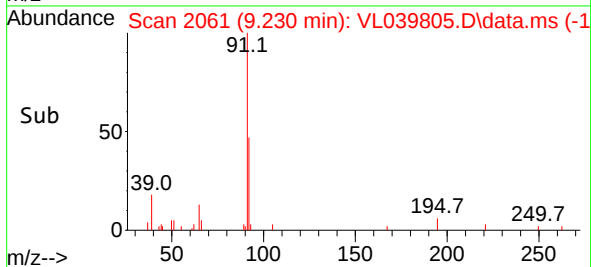
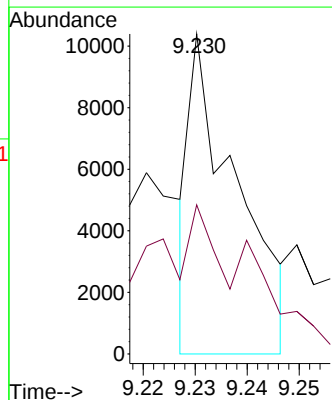
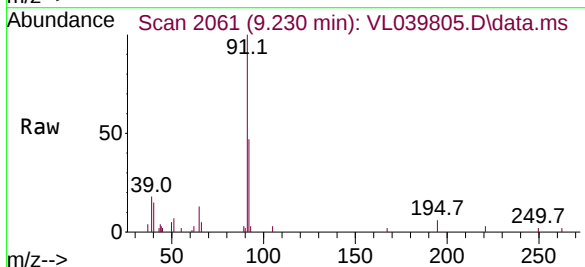
Acq: 26 Oct 2022 2:41

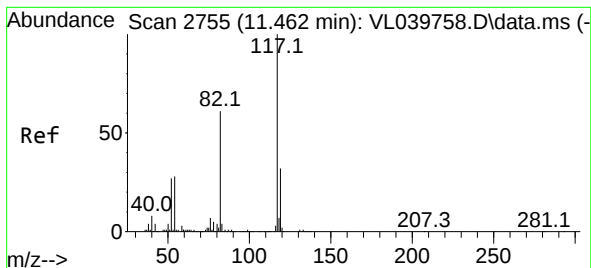
Tgt Ion: 91 Resp: 6579

Ion Ratio Lower Upper

91 100

92 119.8 48.0 72.0#

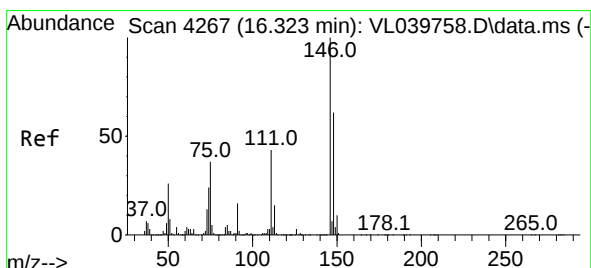
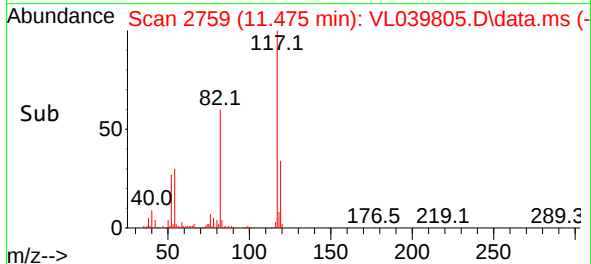
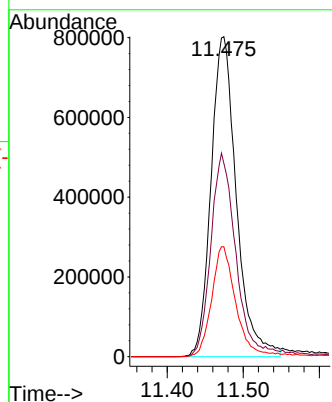
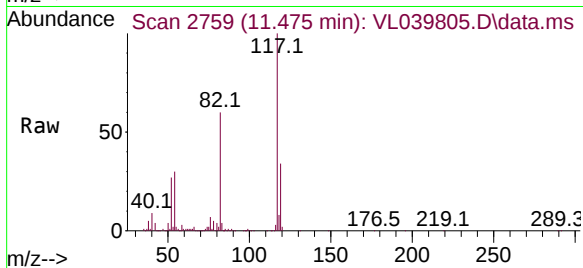




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

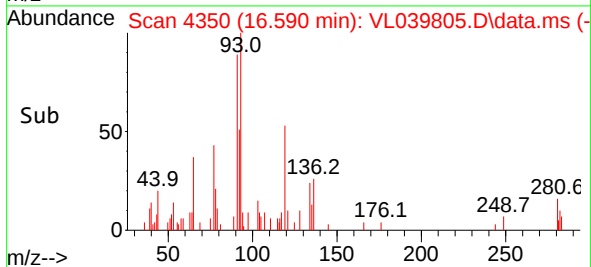
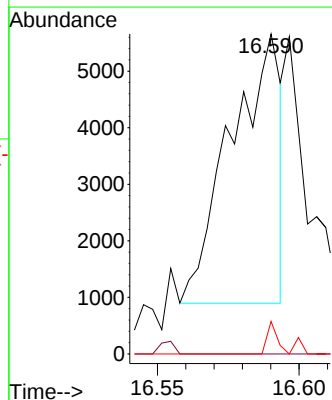
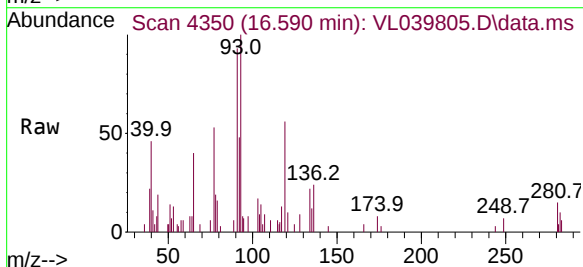
Instrument :
MSVOA_L
ClientSampleId :
KDL

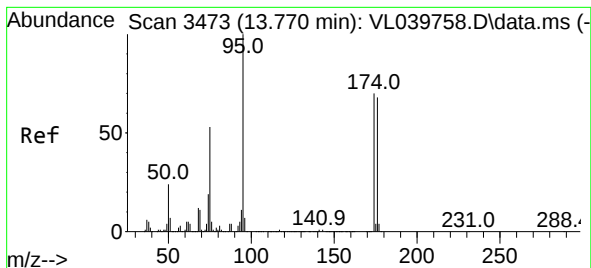
Tgt Ion:117 Resp: 1857105
Ion Ratio Lower Upper
117 100
82 65.0 49.9 74.9
119 33.3 25.2 37.8



#66
Benzyl Chloride
Concen: 0.345 ppbv
RT: 16.590 min Scan# 4350
Delta R.T. 0.267 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion: 91 Resp: 5829
Ion Ratio Lower Upper
91 100
126 1.4 13.8 20.6#
128 3.3 5.1 7.7#

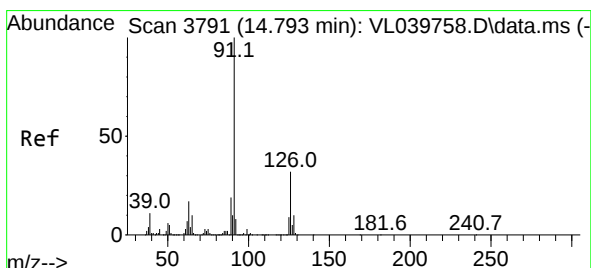
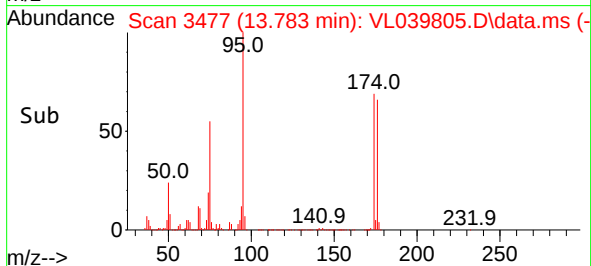
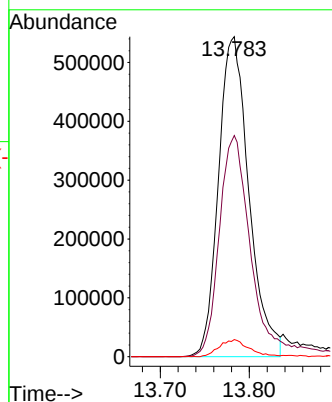
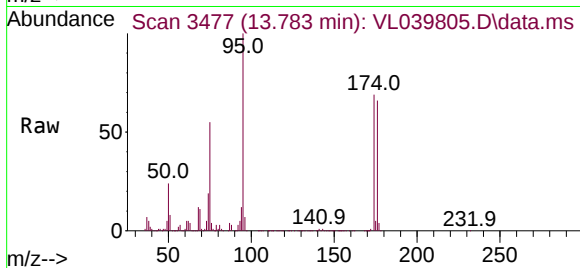




#68
1-Bromo-4-Fluorobenzene
Concen: 9.766 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.013 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Instrument :
MSVOA_L
ClientSampleId :
KDL

Tgt Ion: 95 Resp: 1290164
Ion Ratio Lower Upper
95 100
174 75.1 57.3 85.9
175 5.5 4.2 6.2



#71
2-Chlorotoluene
Concen: 5.610 ppbv
RT: 14.674 min Scan# 3754
Delta R.T. -0.119 min
Lab File: VL039805.D
Acq: 26 Oct 2022 2:41

Tgt Ion: 91 Resp: 1065796
Ion Ratio Lower Upper
91 100
126 0.0 13.0 52.0#

