

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039753.D
 Acq On : 21 Oct 2022 21:18
 Operator : SY/AP
 Sample : N5259-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Oct 22 04:26:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Sat Oct 22 02:12:34 2022
 Response via : Initial Calibration

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

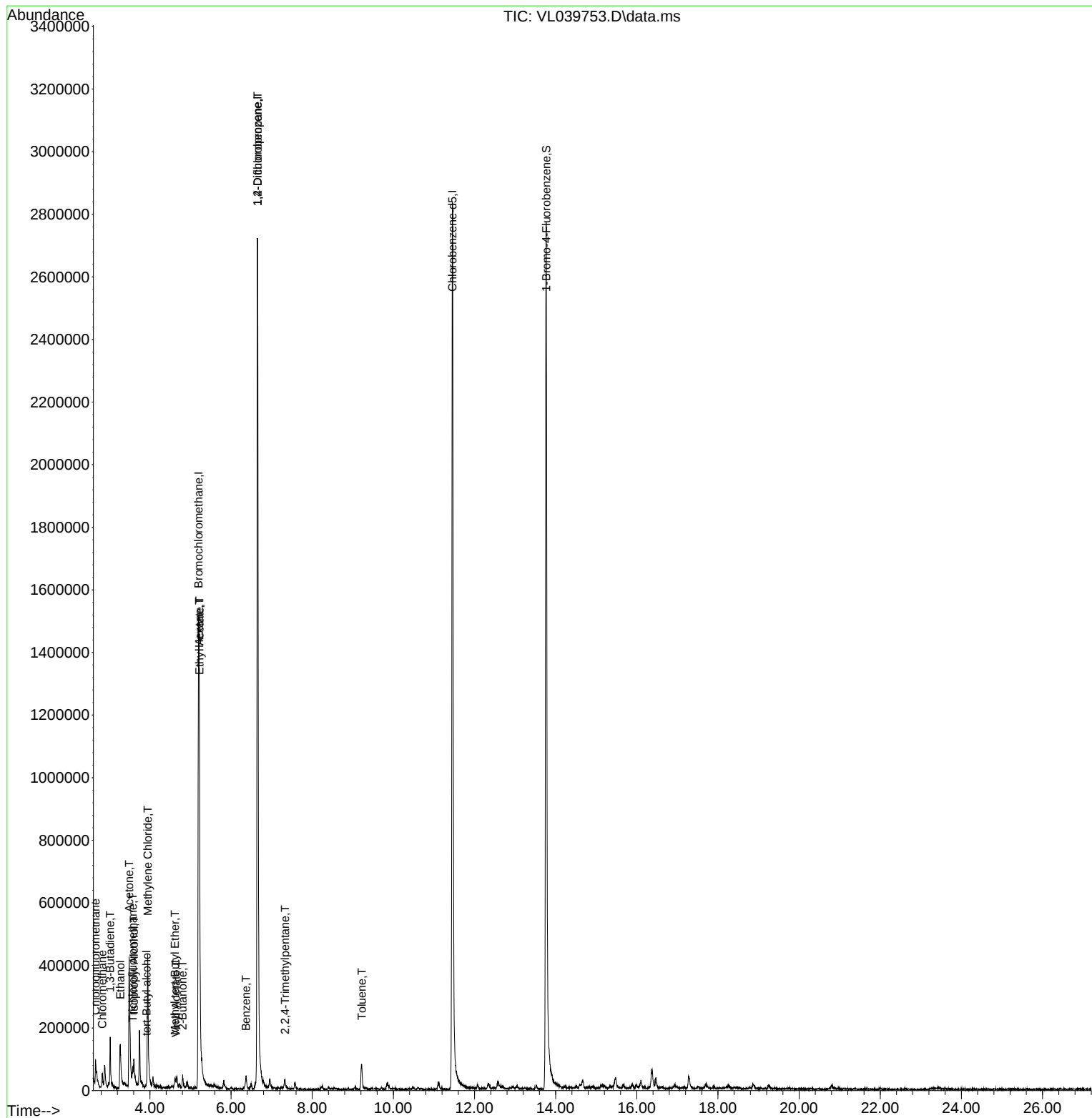
Internal Standards						
1) Bromochloromethane	5.198	49	723725	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2133791	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	1923788	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1360104	9.959	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.661	51	93508	1.014	ppbv #	76
4) Chloromethane	2.825	50	38455	0.667	ppbv #	89
11) Trichlorofluoromethane	3.578	101	31093	0.276	ppbv	96
13) Ethanol	3.269	45	172164	60.013	ppbv	98
15) Acetone	3.488	43	462686	5.295	ppbv	97
16) 1,3-Butadiene	3.022	39	21669	0.494	ppbv #	9
17) tert-Butyl alcohol	3.919	59	4606	0.062	ppbv #	72
19) Isopropyl Alcohol	3.603	45	61487	1.441	ppbv #	78
20) Methylene Chloride	3.948	84	135644	3.861	ppbv	94
23) Vinyl Acetate	4.639	43	2970	0.081	ppbv #	75
25) Ethyl Acetate	5.221	43	263642	1.506	ppbv #	82
26) Hexane	5.218	57	351955	4.936	ppbv #	39
28) Methyl tert-Butyl Ether	4.613	73	3599	0.053	ppbv #	51
34) 2-Butanone	4.806	43	21762	0.221	ppbv #	29
36) Benzene	6.369	78	27698	0.172	ppbv #	95
39) 1,2-Dichloropropane	6.655	63	519340	8.407	ppbv #	22
44) 2,2,4-Trimethylpentane	7.330	57	12484	0.046	ppbv #	20
53) Toluene	9.221	91	24869	0.143	ppbv #	21

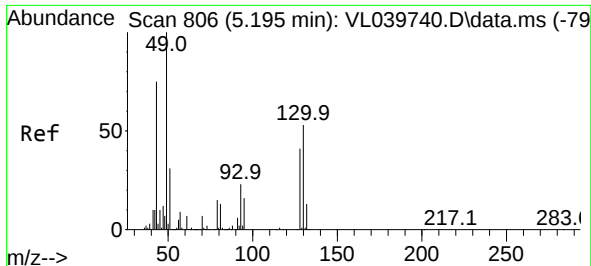
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
Data File : VL039753.D
Acq On : 21 Oct 2022 21:18
Operator : SY/AP
Sample : N5259-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Oct 22 04:26:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Sat Oct 22 02:12:34 2022
Response via : Initial Calibration

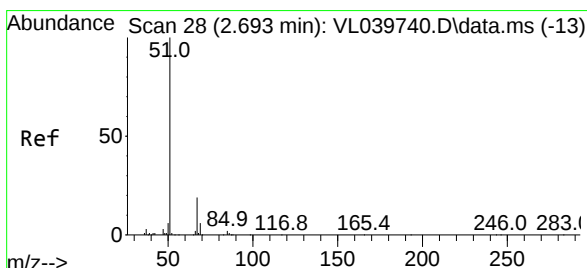
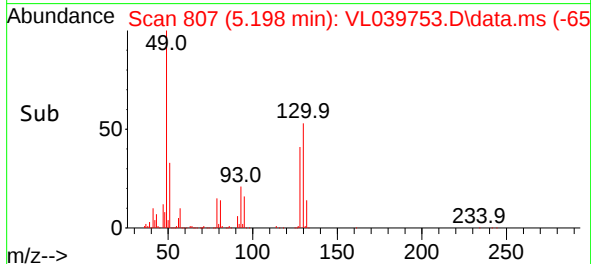
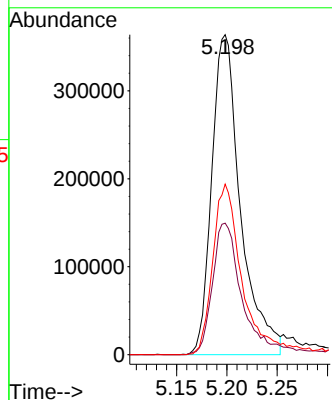
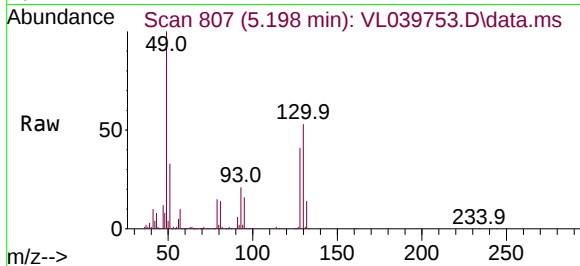




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL039753.D
 Acq: 21 Oct 2022 21:18

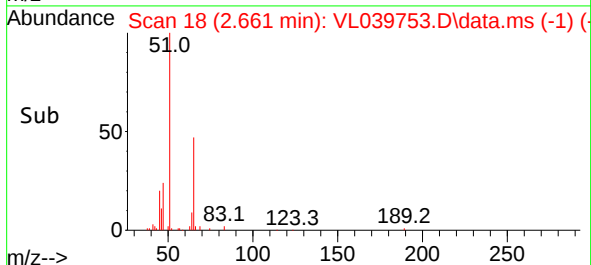
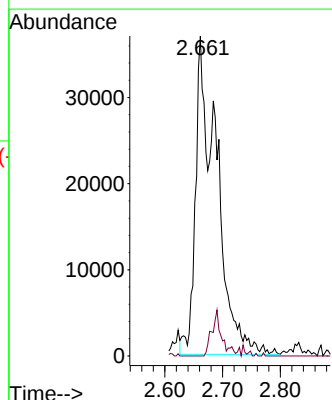
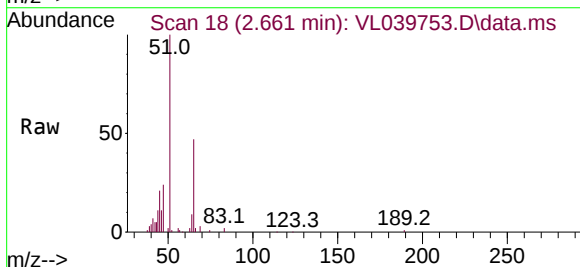
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

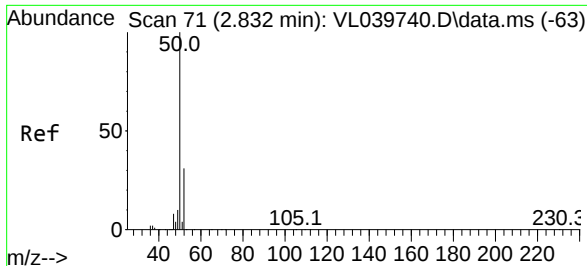
Tgt Ion: 49 Resp: 723725
 Ion Ratio Lower Upper
 49 100
 128 44.2 22.6 67.8
 130 56.9 29.0 87.0



#3
 Chlorodifluoromethane
 Concen: 1.014 ppbv
 RT: 2.661 min Scan# 18
 Delta R.T. -0.032 min
 Lab File: VL039753.D
 Acq: 21 Oct 2022 21:18

Tgt Ion: 51 Resp: 93508
 Ion Ratio Lower Upper
 51 100
 67 7.7 14.6 21.8

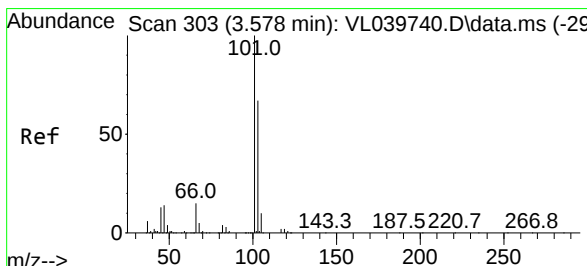
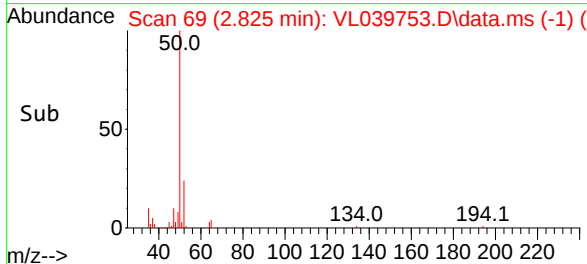
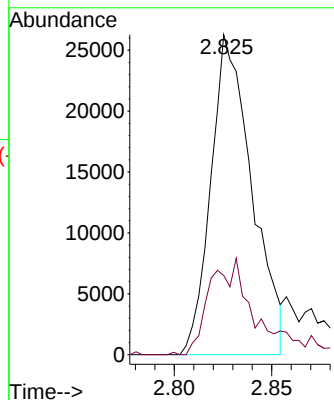
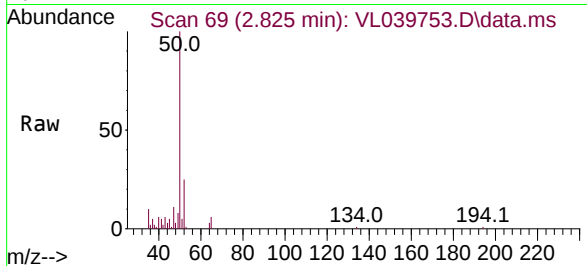




#4
Chloromethane
Concen: 0.667 ppbv
RT: 2.825 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

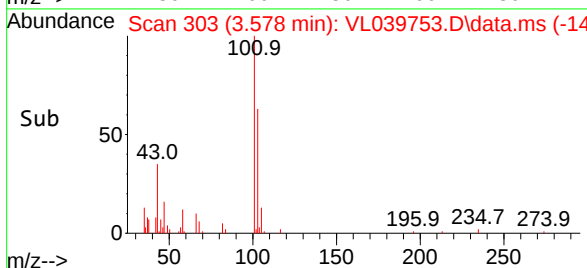
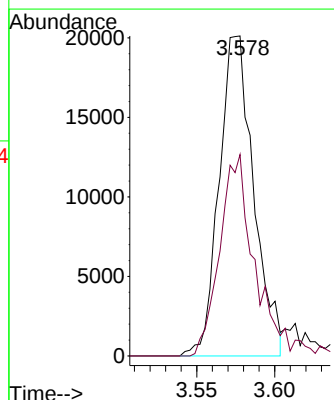
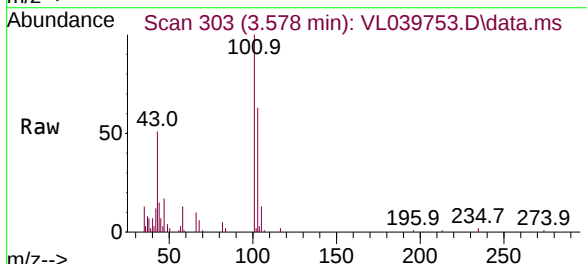
Instrument :
MSVOA_L
ClientSampleId :
IA-1

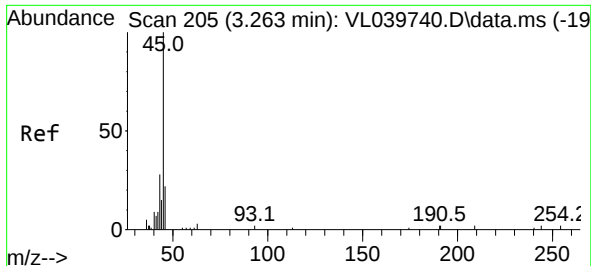
Tgt Ion: 50 Resp: 38455
Ion Ratio Lower Upper
50 100
52 24.7 24.8 37.2#



#11
Trichlorofluoromethane
Concen: 0.276 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.000 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Tgt Ion: 101 Resp: 31093
Ion Ratio Lower Upper
101 100
103 63.0 53.2 79.8

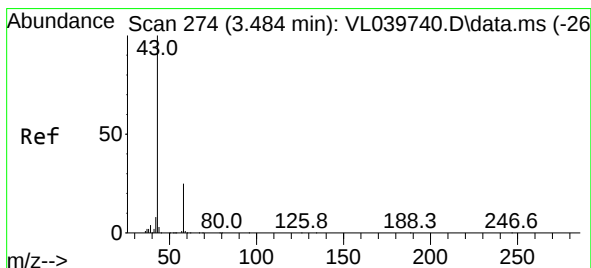
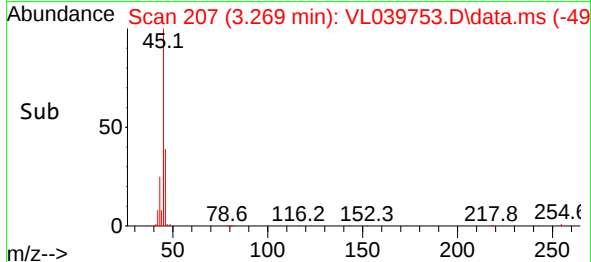
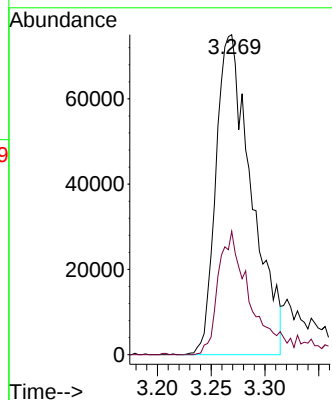
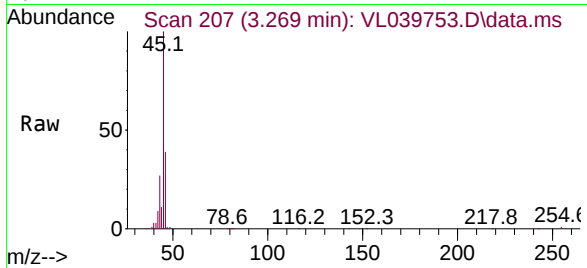




#13
Ethanol
Concen: 60.013 ppbv
RT: 3.269 min Scan# 205
Delta R.T. 0.007 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

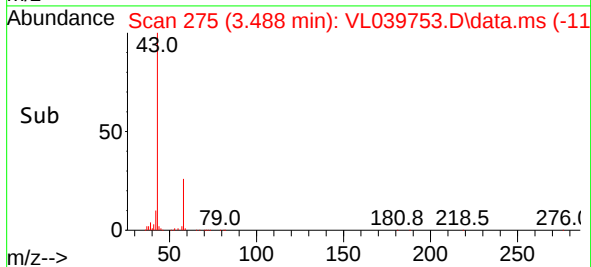
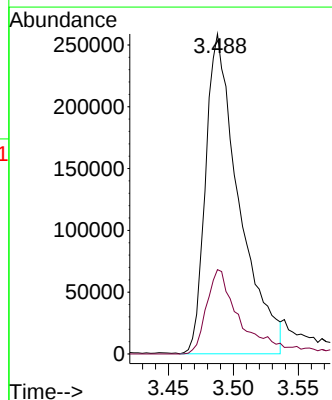
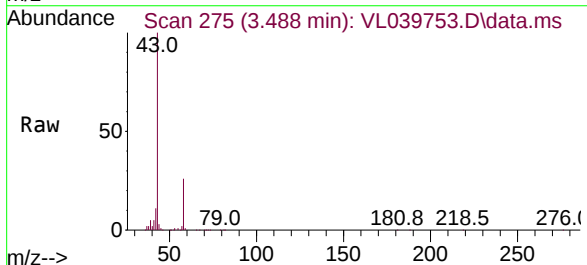
Instrument :
MSVOA_1
ClientSampleId :
IA-1

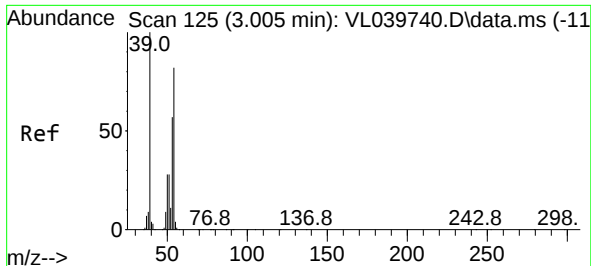
Tgt Ion: 45 Resp: 172164
Ion Ratio Lower Upper
45 100
46 38.3 14.8 59.2



#15
Acetone
Concen: 5.295 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.003 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Tgt Ion: 43 Resp: 462686
Ion Ratio Lower Upper
43 100
58 27.8 20.9 31.3

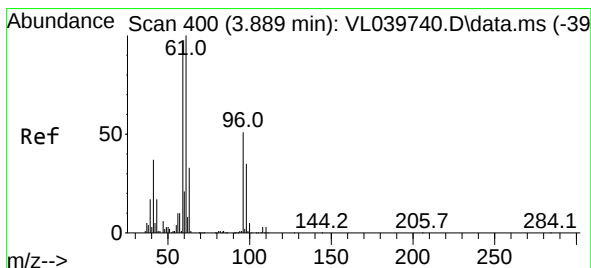
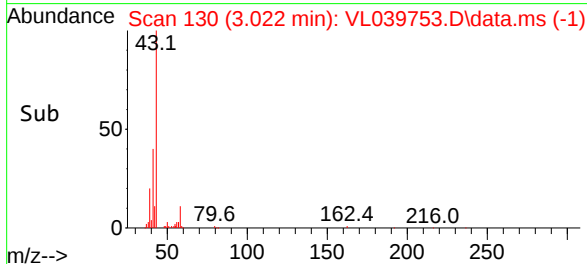
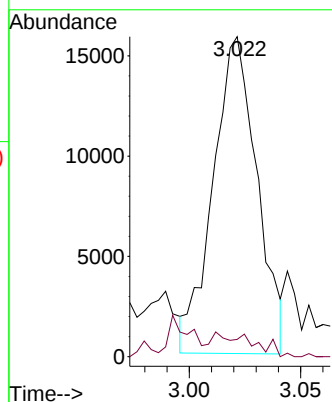
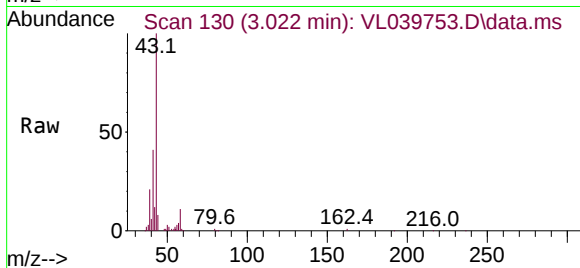




#16
1,3-Butadiene
Concen: 0.494 ppbv
RT: 3.022 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

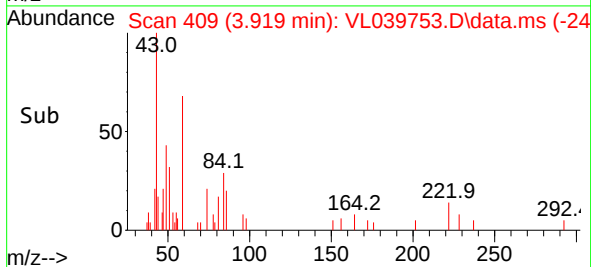
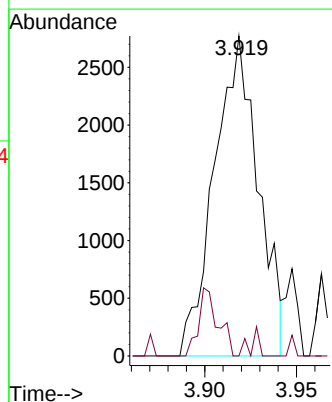
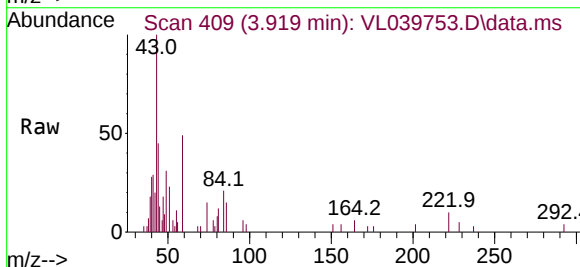
Instrument :
MSVOA_L
ClientSampleId :
IA-1

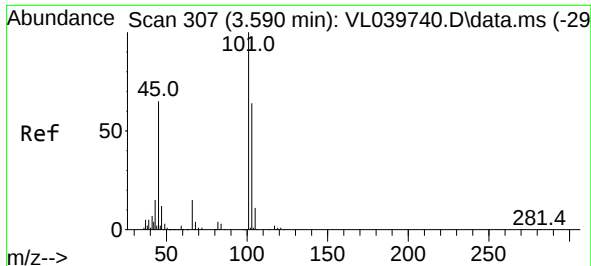
Tgt Ion: 39 Resp: 21669
Ion Ratio Lower Upper
39 100
54 0.0 65.2 97.8#



#17
tert-Butyl alcohol
Concen: 0.062 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.029 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Tgt Ion: 59 Resp: 4606
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 1.441 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.013 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

Instrument :

MSVOA_L

ClientSampleId :

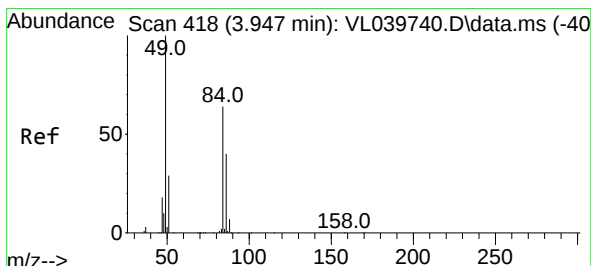
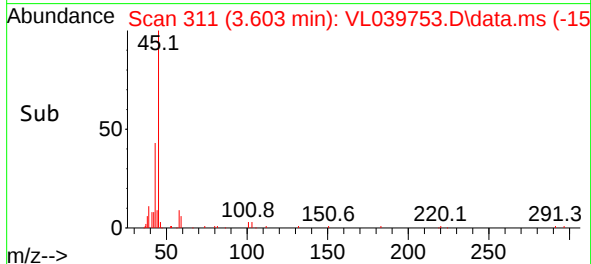
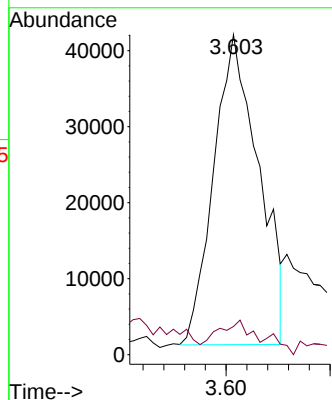
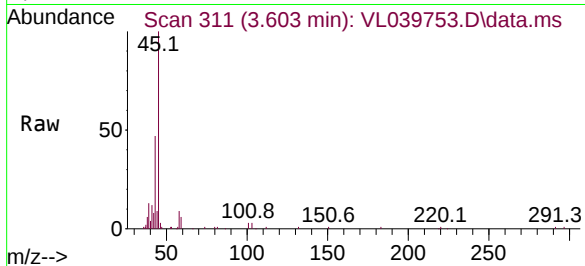
IA-1

Tgt Ion: 45 Resp: 61487

Ion Ratio Lower Upper

45 100

58 11.3 3.3 4.9#



#20

Methylene Chloride

Concen: 3.861 ppbv

RT: 3.948 min Scan# 418

Delta R.T. 0.000 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

Tgt Ion: 84 Resp: 135644

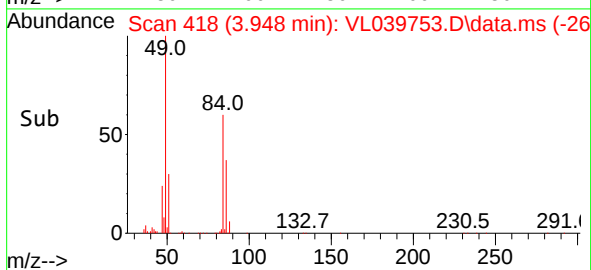
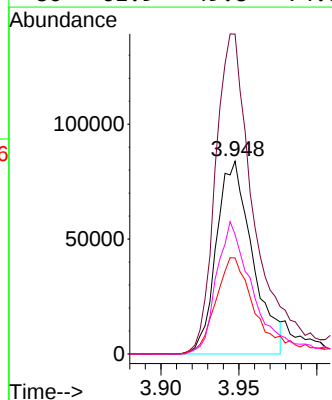
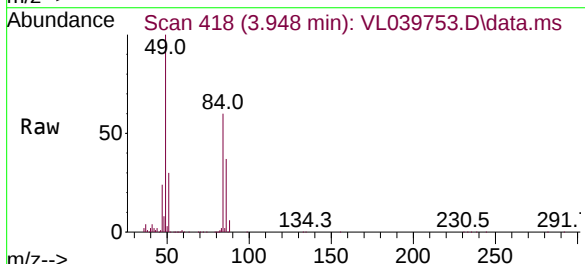
Ion Ratio Lower Upper

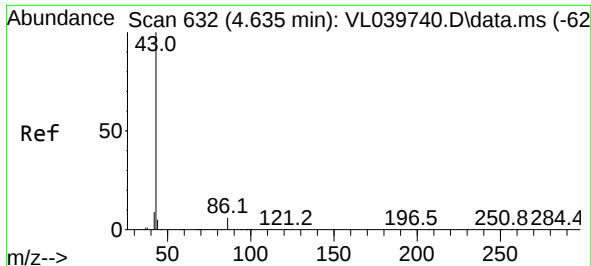
84 100

49 165.8 124.2 186.4

51 49.8 36.6 54.8

86 61.9 49.8 74.8

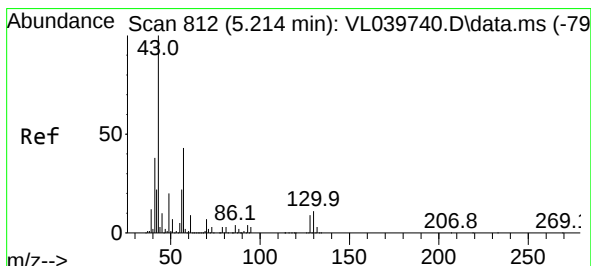
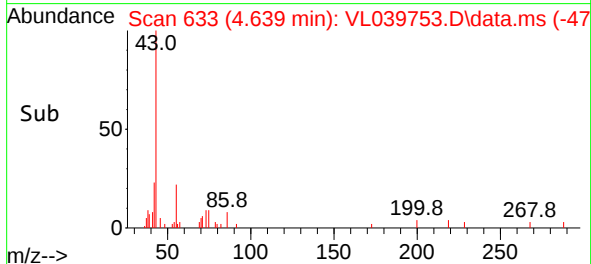
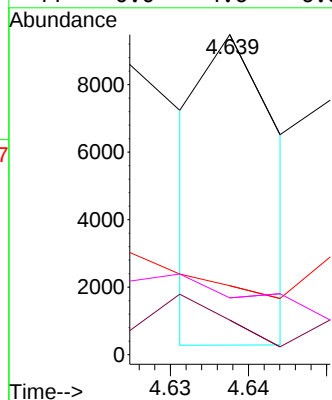
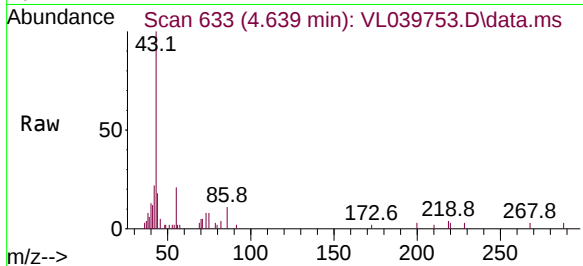




#23
 Vinyl Acetate
 Concen: 0.081 ppbv
 RT: 4.639 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL039753.D
 Acq: 21 Oct 2022 21:18

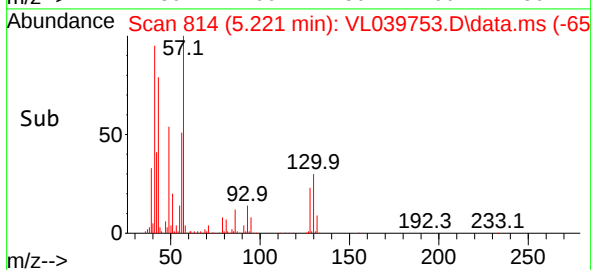
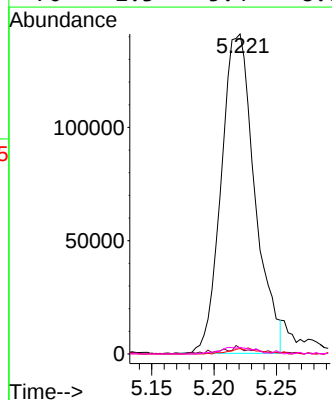
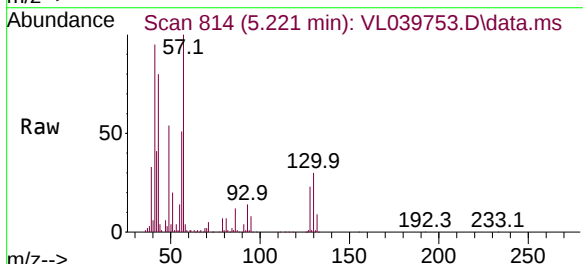
Instrument :
 MSVOA_1
 ClientSampleId :
 IA-1

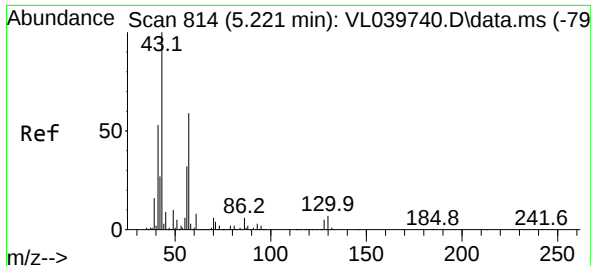
Tgt Ion:	43	Resp:	2970
Ion	Ratio	Lower	Upper
43	100		
86	26.6	4.3	6.5#
42	12.7	7.9	11.9#
44	0.0	4.6	6.8#



#25
 Ethyl Acetate
 Concen: 1.506 ppbv
 RT: 5.221 min Scan# 814
 Delta R.T. 0.007 min
 Lab File: VL039753.D
 Acq: 21 Oct 2022 21:18

Tgt Ion:	43	Resp:	263642
Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.1	12.1#
61	1.8	7.5	11.3#
70	2.3	5.4	8.0#

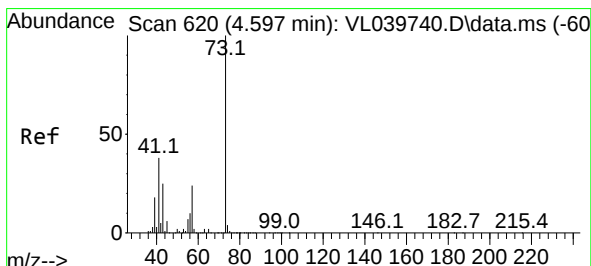
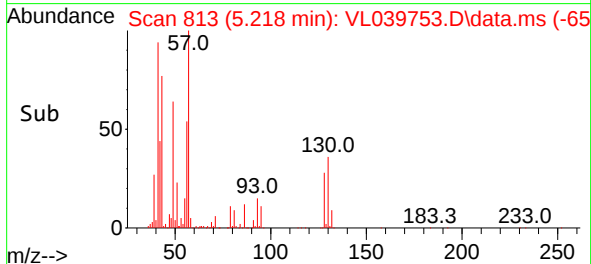
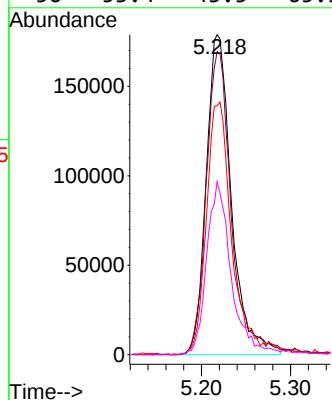
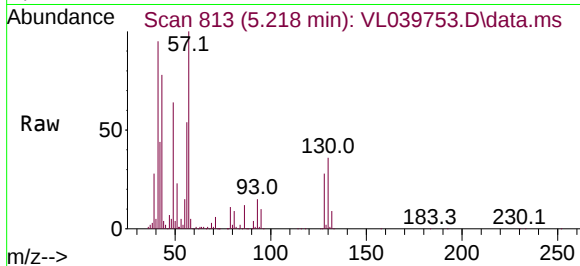




#26
Hexane
Concen: 4.936 ppbv
RT: 5.218 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

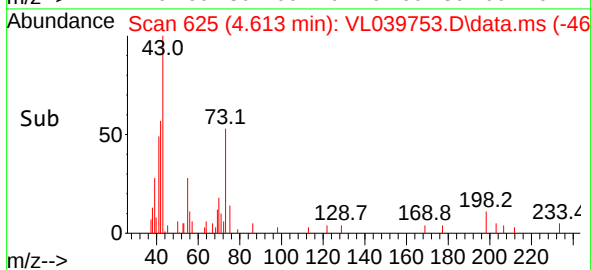
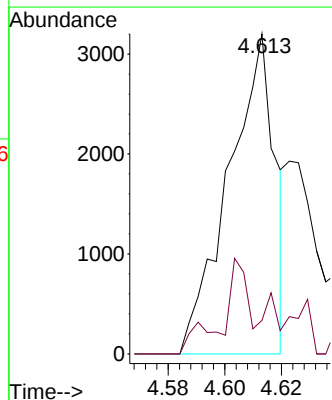
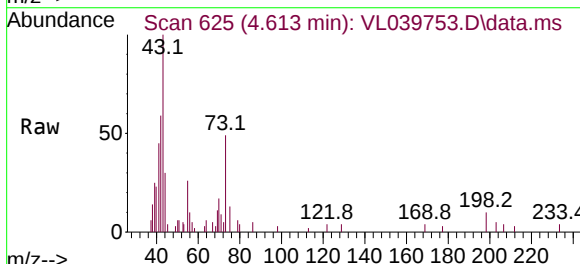
Instrument :
MSVOA_1
ClientSampleId :
IA-1

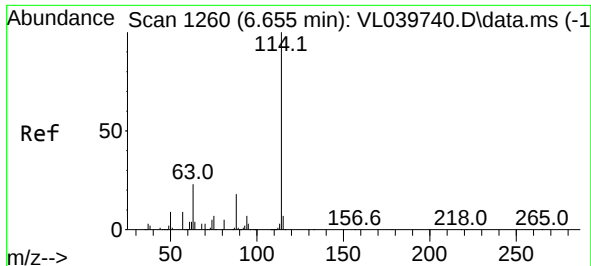
Tgt Ion: 57 Resp: 351955
Ion Ratio Lower Upper
57 100
41 95.7 76.8 115.2
43 80.7 201.0 301.4#
56 53.4 43.5 65.3



#28
Methyl tert-Butyl Ether
Concen: 0.053 ppbv
RT: 4.613 min Scan# 625
Delta R.T. 0.016 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Tgt Ion: 73 Resp: 3599
Ion Ratio Lower Upper
73 100
57 0.0 19.4 29.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

Instrument :

MSVOA_L

ClientSampleId :

IA-1

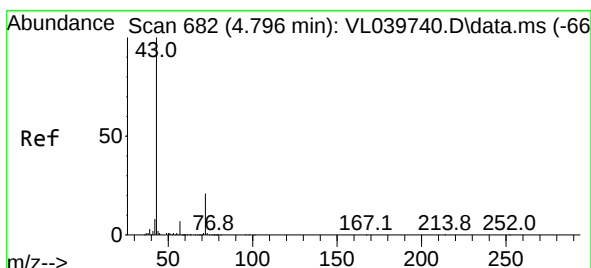
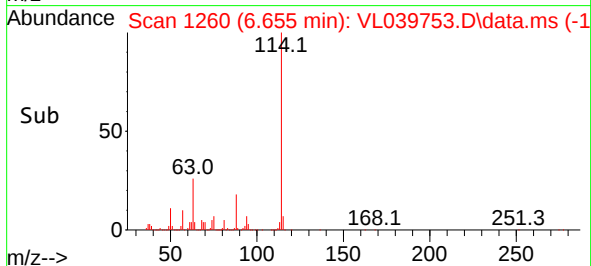
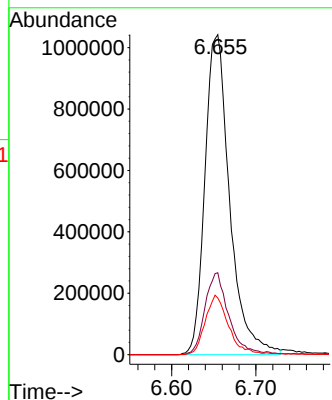
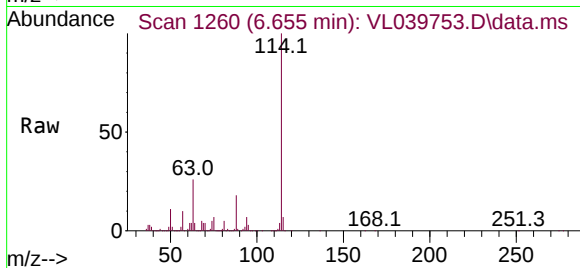
Tgt Ion:114 Resp: 2133791

Ion Ratio Lower Upper

114 100

63 25.3 19.8 29.6

88 17.7 14.2 21.4



#34

2-Butanone

Concen: 0.221 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.010 min

Lab File: VL039753.D

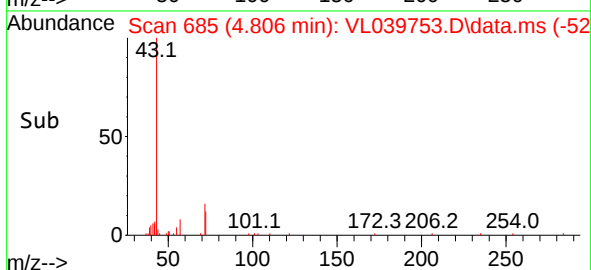
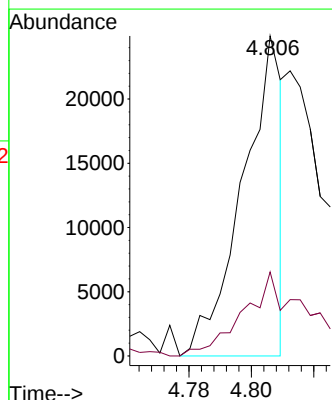
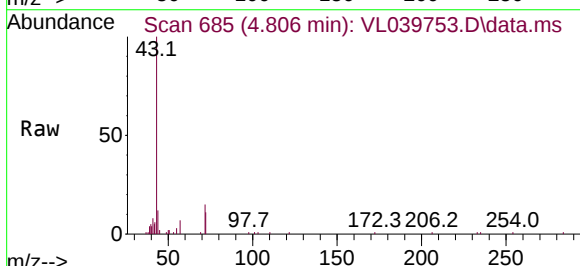
Acq: 21 Oct 2022 21:18

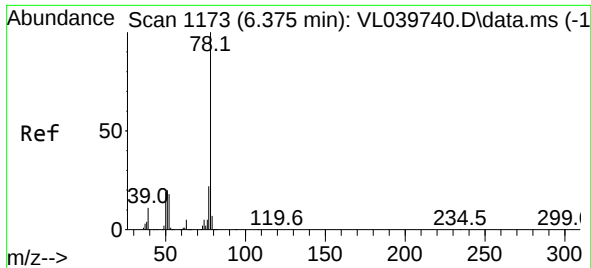
Tgt Ion: 43 Resp: 21762

Ion Ratio Lower Upper

43 100

72 55.0 17.1 25.7#





#36

Benzene

Concen: 0.172 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

Instrument :

MSVOA_1

ClientSampleId :

IA-1

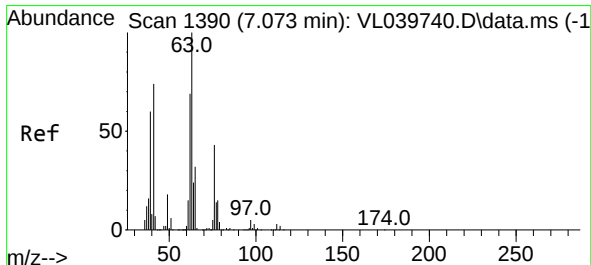
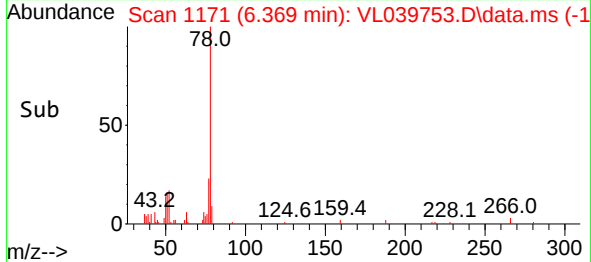
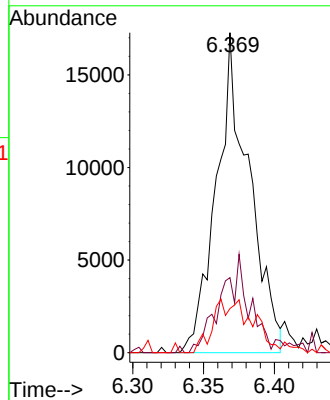
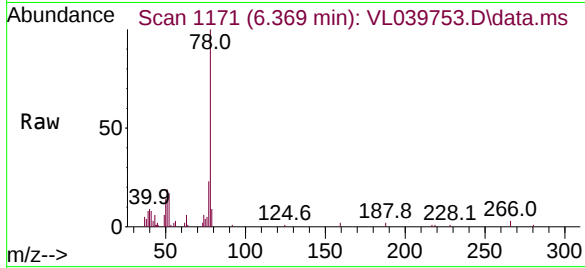
Tgt Ion: 78 Resp: 27698

Ion Ratio Lower Upper

78 100

77 21.4 17.3 25.9

50 13.8 14.9 22.3#



#39

1,2-Dichloropropane

Concen: 8.407 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.418 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

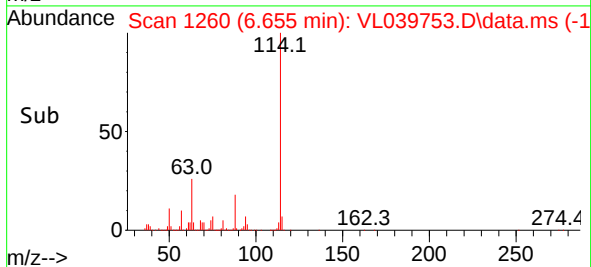
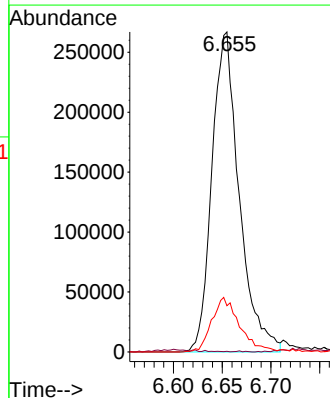
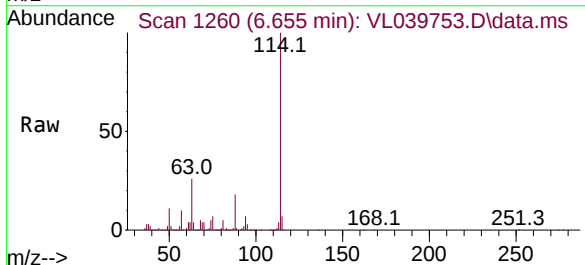
Tgt Ion: 63 Resp: 519340

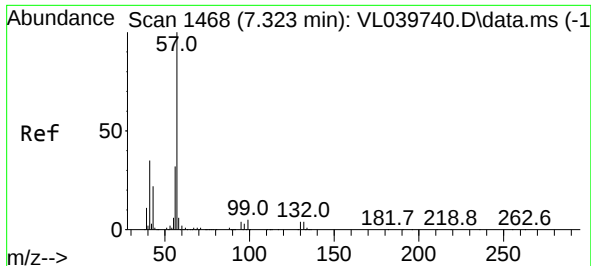
Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

62 14.5 55.2 82.8#





#44

2,2,4-Trimethylpentane

Concen: 0.046 ppbv

RT: 7.330 min Scan# 1468

Delta R.T. 0.007 min

Lab File: VL039753.D

Acq: 21 Oct 2022 21:18

Instrument :

MSVOA_L

ClientSampleId :

IA-1

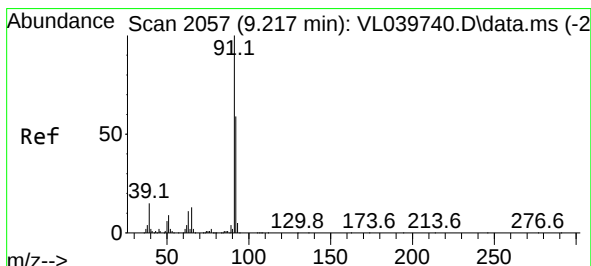
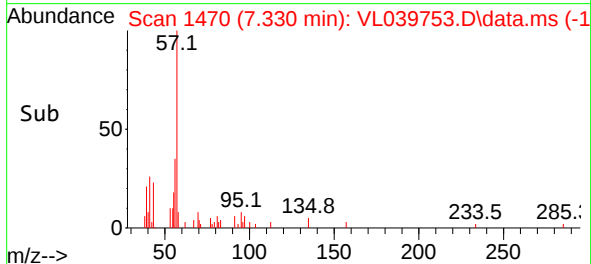
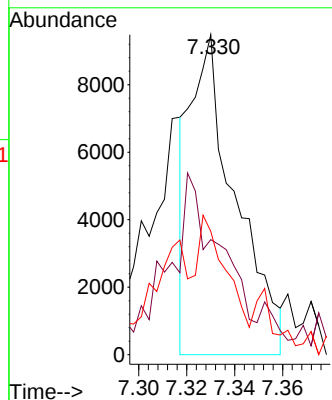
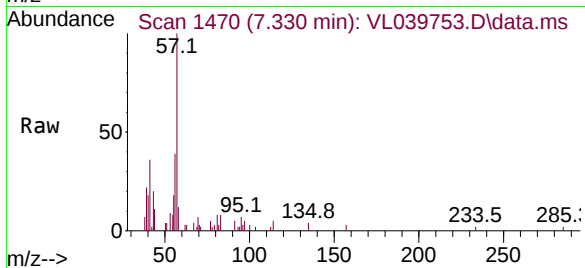
Tgt Ion: 57 Resp: 12484

Ion Ratio Lower Upper

57 100

41 79.6 27.1 40.7#

56 75.9 25.2 37.8#



#53

Toluene

Concen: 0.143 ppbv

RT: 9.221 min Scan# 2058

Delta R.T. 0.003 min

Lab File: VL039753.D

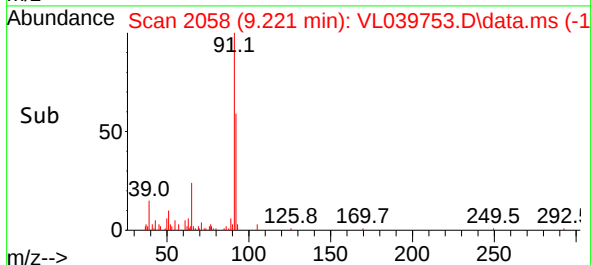
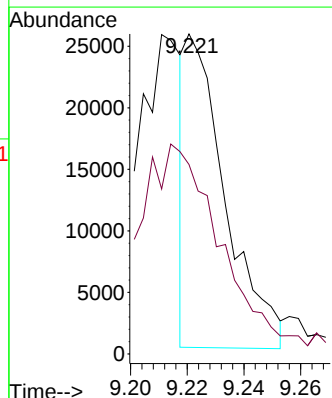
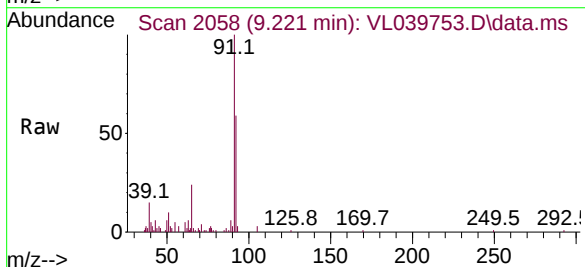
Acq: 21 Oct 2022 21:18

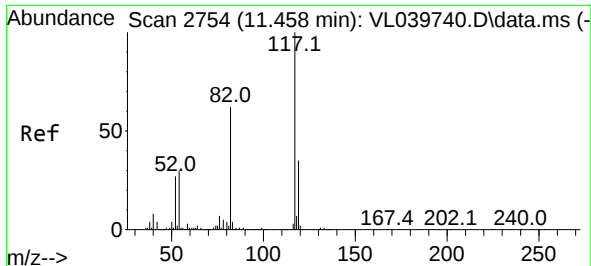
Tgt Ion: 91 Resp: 24869

Ion Ratio Lower Upper

91 100

92 0.0 47.7 71.5#

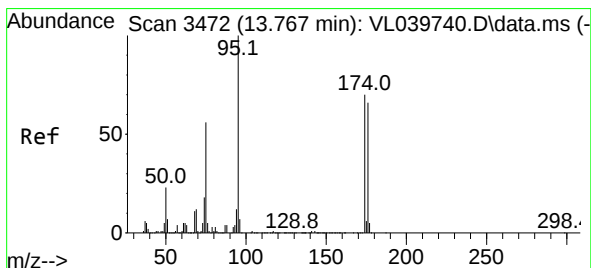
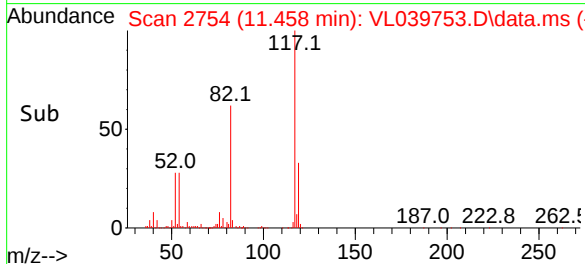
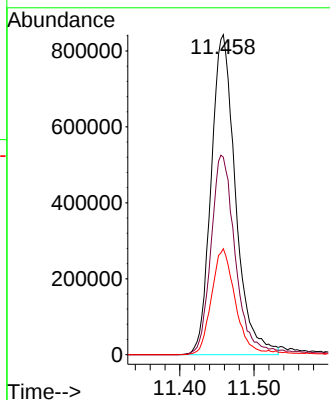
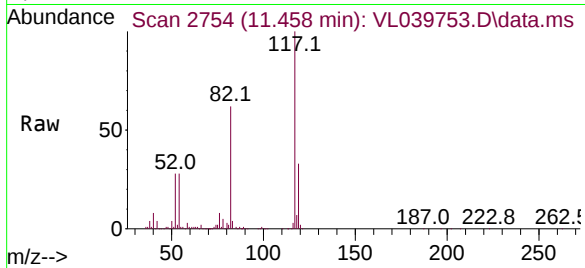




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. 0.000 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Instrument :
MSVOA_1
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 1923788
Ion Ratio Lower Upper
117 100
82 64.0 51.4 77.0
119 33.2 24.6 36.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.959 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.000 min
Lab File: VL039753.D
Acq: 21 Oct 2022 21:18

Tgt Ion: 95 Resp: 1360104
Ion Ratio Lower Upper
95 100
174 72.9 56.5 84.7
175 5.5 4.2 6.4

