

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039650.D
 Acq On : 22 Sep 2022 00:57
 Operator : SY/AP
 Sample : N4669-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 22 08:23:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

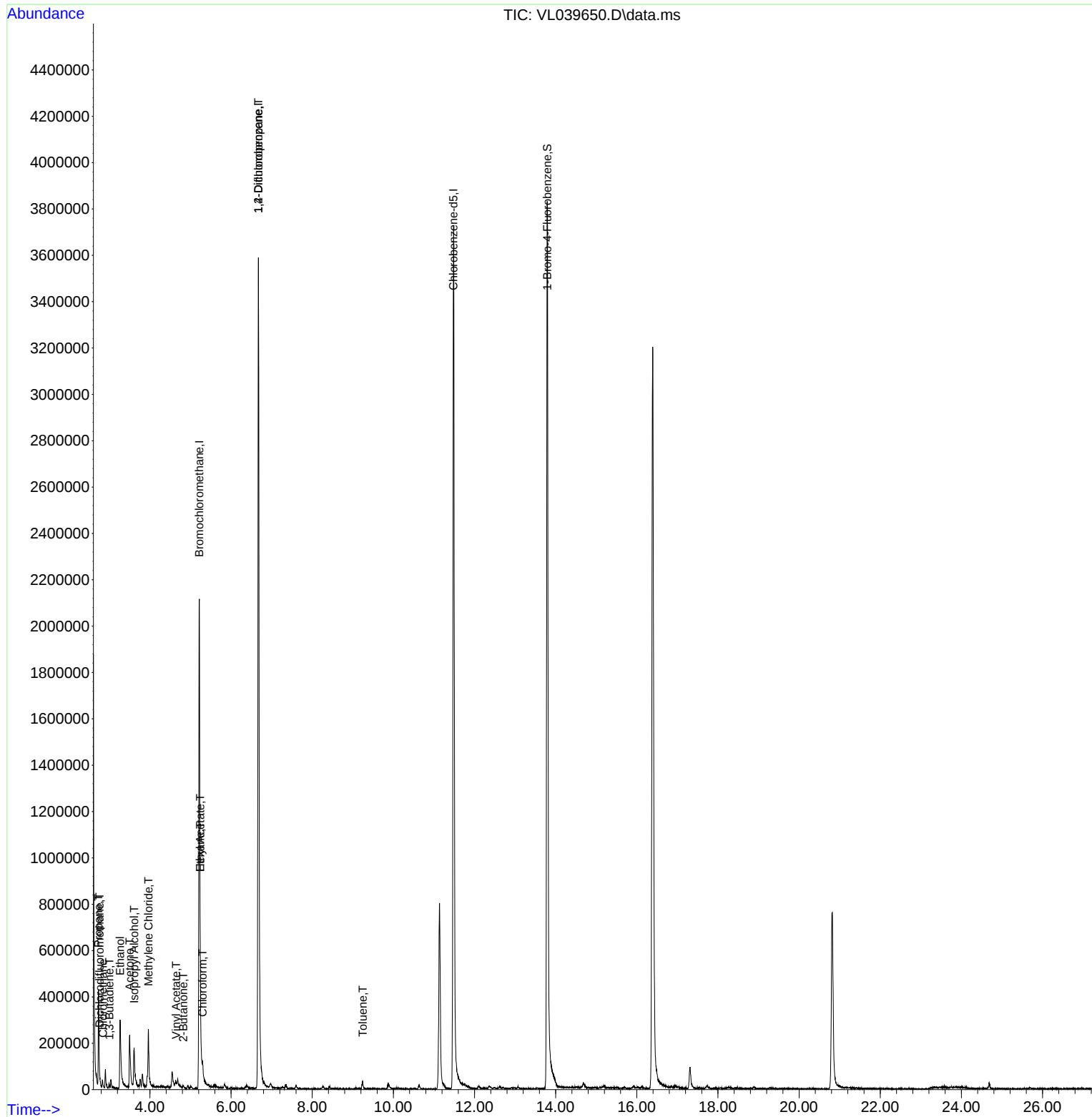
Internal Standards						
1) Bromochloromethane	5.214	49	1091031	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2798861	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2521460	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1890536	10.044	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	7898	0.062	ppbv #	81
4) Chloromethane	2.838	50	3123	0.040	ppbv	98
9) Propene	2.732	41	91016	1.539	ppbv #	67
13) Ethanol	3.266	45	372049	82.575	ppbv	71
15) Acetone	3.500	43	261812	2.157	ppbv	99
16) 1,3-Butadiene	3.002	39	2071	0.034	ppbv #	28
19) Isopropyl Alcohol	3.610	45	194275	3.139	ppbv #	96
20) Methylene Chloride	3.963	84	80485	1.434	ppbv	96
23) Vinyl Acetate	4.648	43	3262	0.059	ppbv #	7
25) Ethyl Acetate	5.237	43	38832	0.147	ppbv #	96
26) Hexane	5.237	57	32296	0.287	ppbv #	56
29) Chloroform	5.298	83	30051	0.185	ppbv	97
34) 2-Butanone	4.822	43	8449	0.061	ppbv #	53
39) 1,2-Dichloropropane	6.674	63	706904	8.555	ppbv #	25
53) Toluene	9.243	91	16799	0.071	ppbv #	78

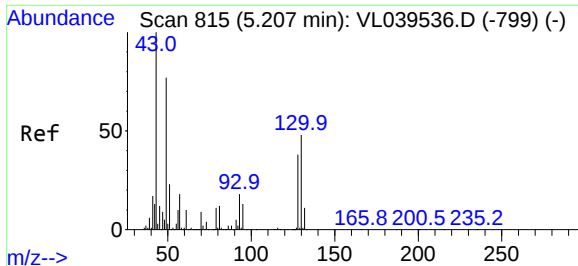
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

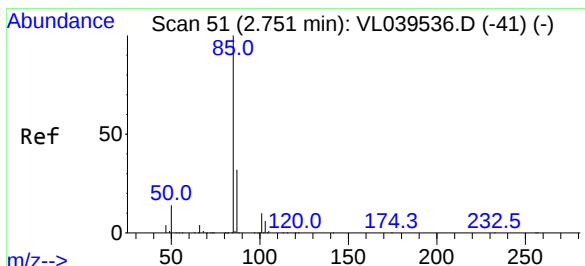
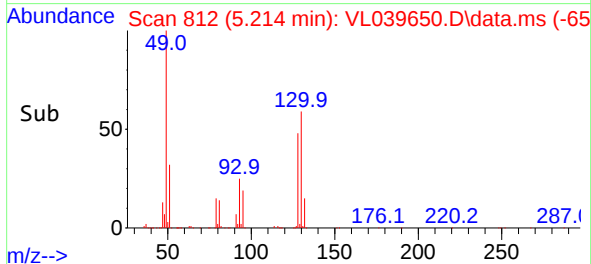
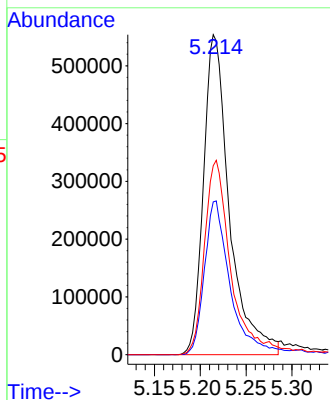
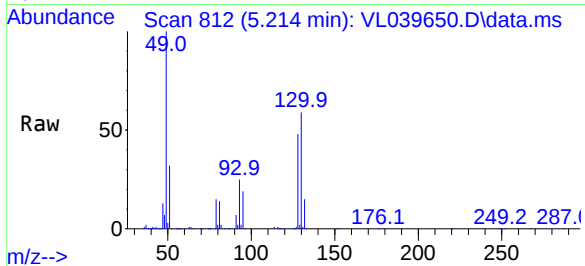




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL039650.D
 Acq: 22 Sep 2022 00:57

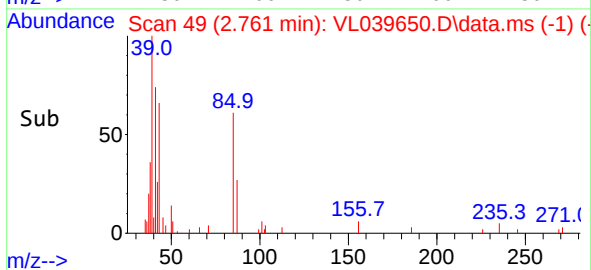
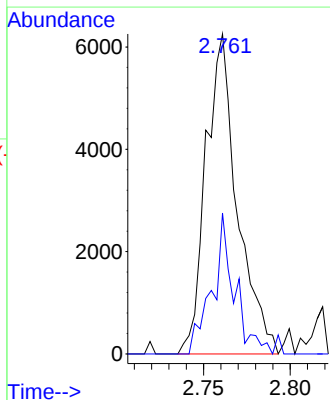
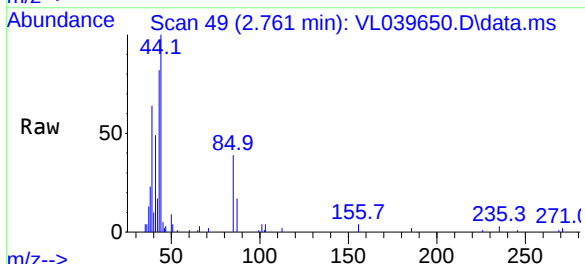
Instrument :
 MSVOA_L
 ClientSampleId :

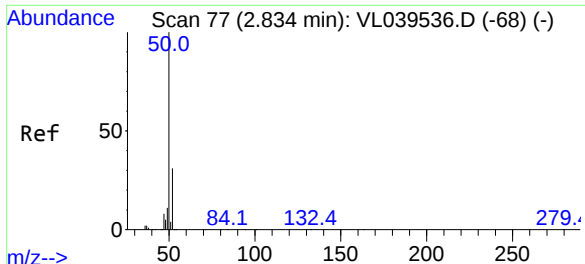
Tgt Ion: 49 Resp: 1091031
 Ion Ratio Lower Upper
 49 100
 128 49.9 26.7 80.0
 130 63.8 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.062 ppbv
 RT: 2.761 min Scan# 49
 Delta R.T. 0.010 min
 Lab File: VL039650.D
 Acq: 22 Sep 2022 00:57

Tgt Ion: 85 Resp: 7898
 Ion Ratio Lower Upper
 85 100
 87 44.0 26.7 40.1#

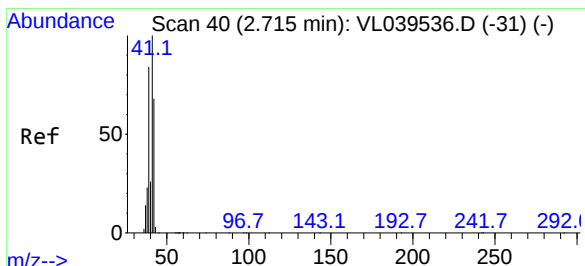
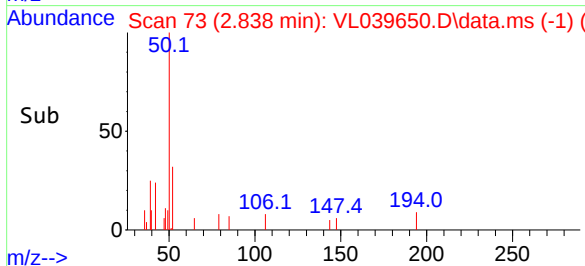
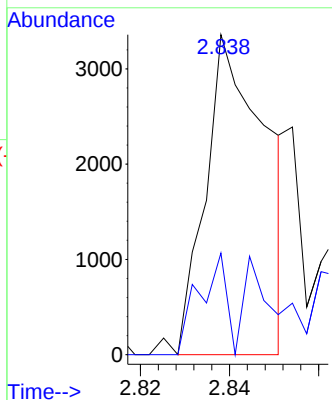
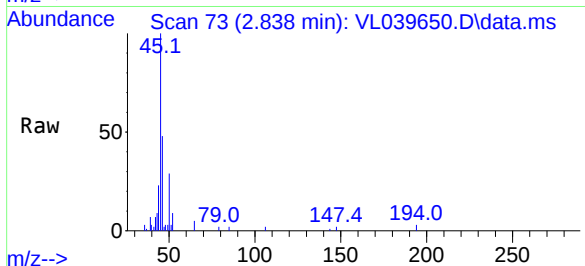




#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.838 min Scan# 71
Delta R.T. 0.004 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

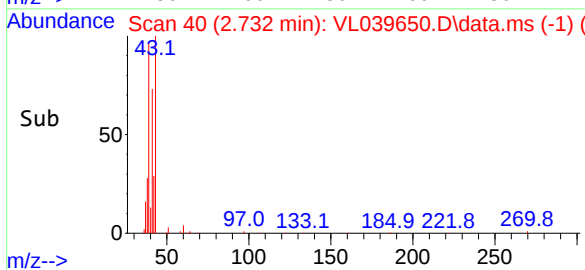
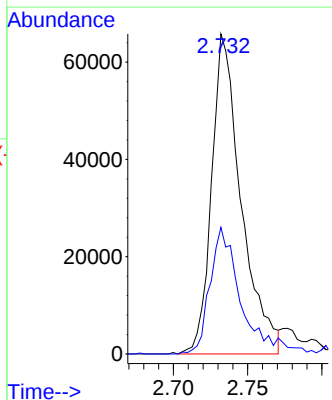
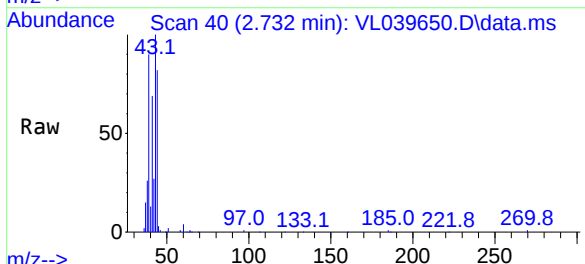
Instrument :
MSVOA_L
ClientSampleId :

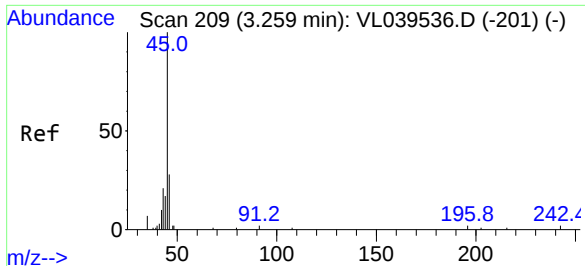
Tgt Ion: 50 Resp: 3123
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7



#9
Propene
Concen: 1.539 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.017 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Tgt Ion: 41 Resp: 91016
Ion Ratio Lower Upper
41 100
42 41.9 55.2 82.8#

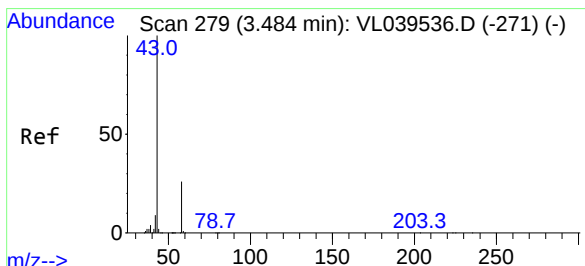
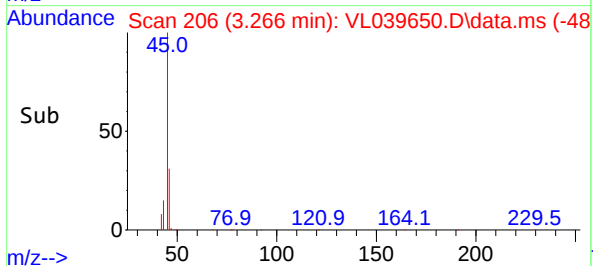
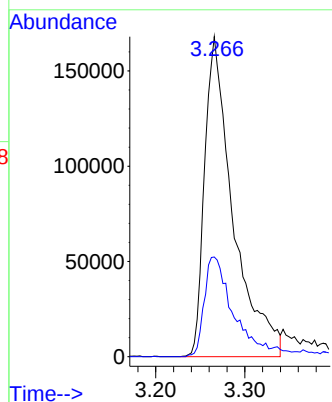
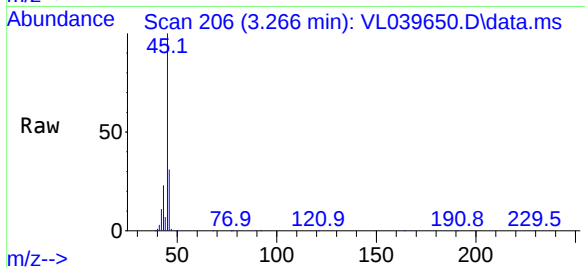




#13
Ethanol
Concen: 82.575 ppbv
RT: 3.266 min Scan# 209
Delta R.T. 0.007 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

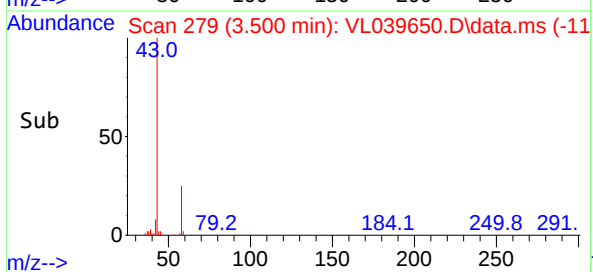
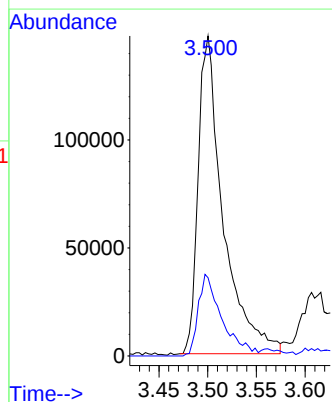
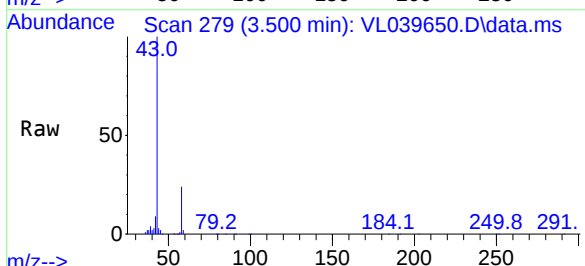
Instrument :
MSVOA_L
ClientSampleId :

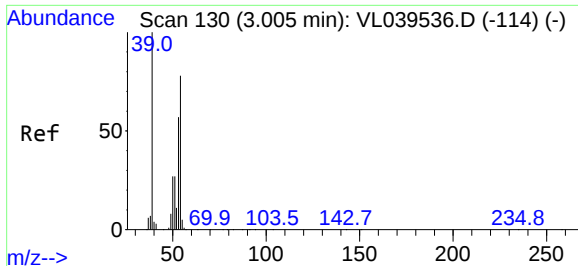
Tgt Ion: 45 Resp: 372049
Ion Ratio Lower Upper
45 100
46 35.7 22.8 91.2



#15
Acetone
Concen: 2.157 ppbv
RT: 3.500 min Scan# 279
Delta R.T. 0.017 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Tgt Ion: 43 Resp: 261812
Ion Ratio Lower Upper
43 100
58 25.9 21.0 31.6





#16

1,3-Butadiene

Concen: 0.034 ppbv

RT: 3.002 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL039650.D

Acq: 22 Sep 2022 00:57

Instrument :

MSVOA_L

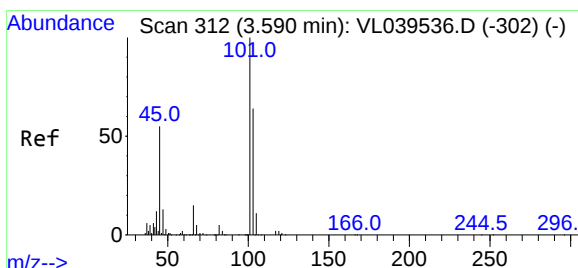
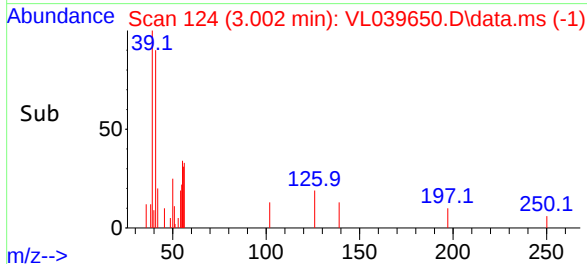
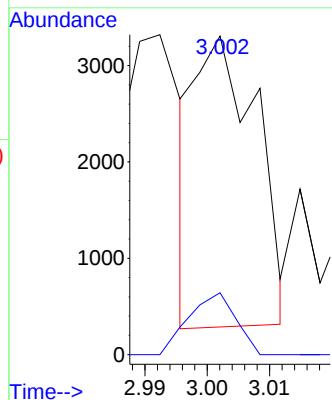
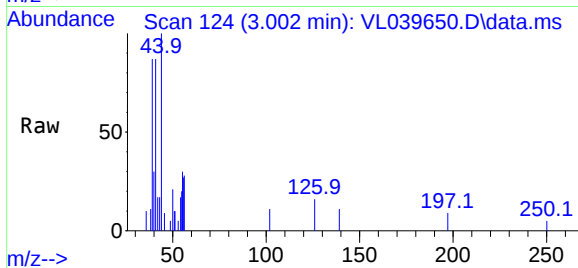
ClientSampleId :

Tgt Ion: 39 Resp: 2071

Ion Ratio Lower Upper

39 100

54 16.3 63.7 95.5#



#19

Isopropyl Alcohol

Concen: 3.139 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.020 min

Lab File: VL039650.D

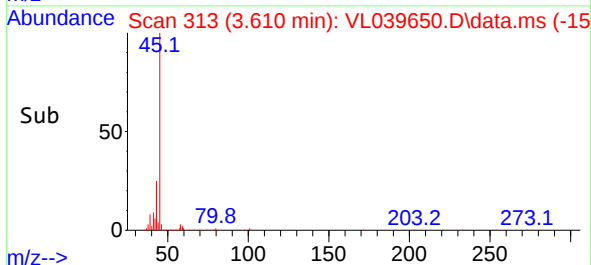
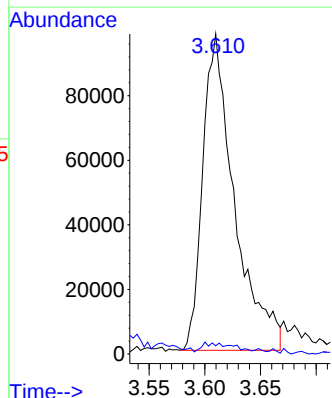
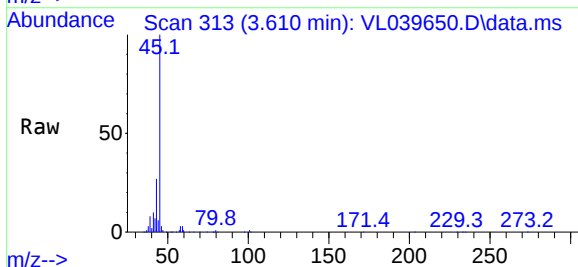
Acq: 22 Sep 2022 00:57

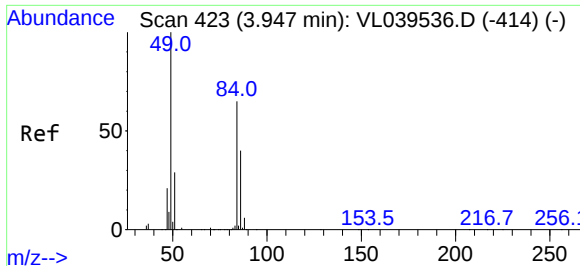
Tgt Ion: 45 Resp: 194275

Ion Ratio Lower Upper

45 100

58 5.5 3.2 4.8#





#20

Methylene Chloride

Concen: 1.434 ppbv

RT: 3.963 min Scan# 41

Delta R.T. 0.017 min

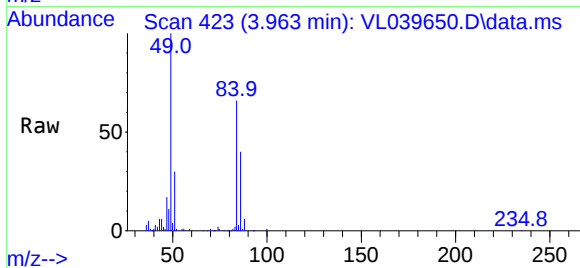
Lab File: VL039650.D

Acq: 22 Sep 2022 00:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 80485

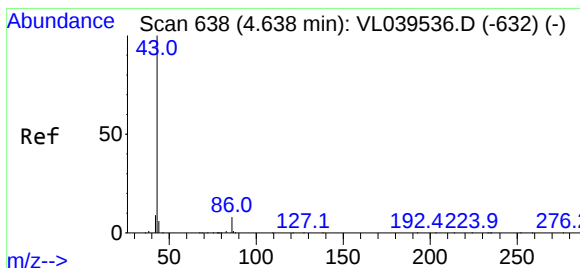
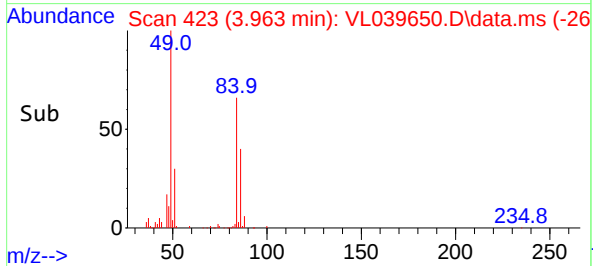
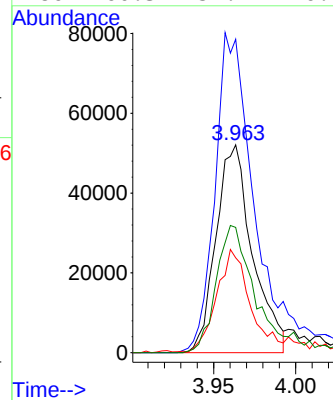
Ion Ratio Lower Upper

84 100

49 149.8 123.1 184.7

51 45.0 34.4 51.6

86 60.3 51.1 76.7



#23

Vinyl Acetate

Concen: 0.059 ppbv

RT: 4.648 min Scan# 636

Delta R.T. 0.010 min

Lab File: VL039650.D

Acq: 22 Sep 2022 00:57

Tgt Ion: 43 Resp: 3262

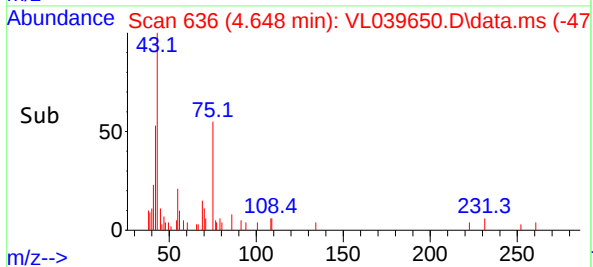
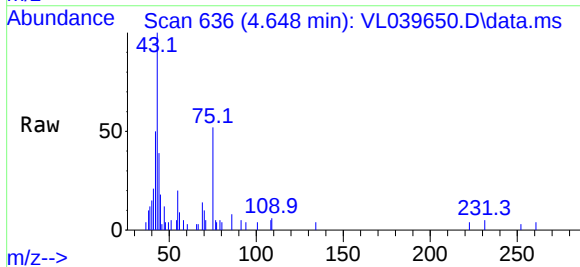
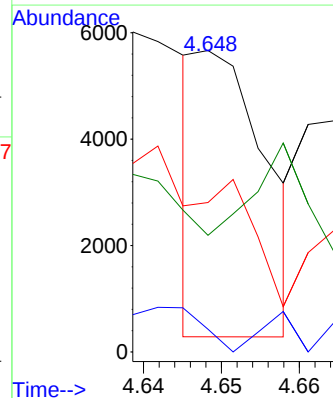
Ion Ratio Lower Upper

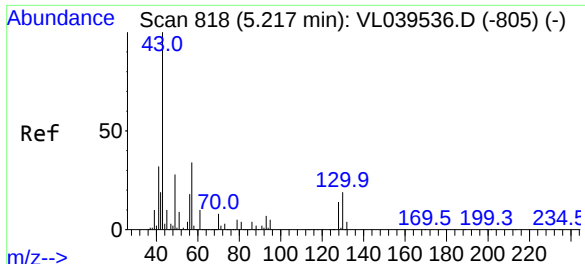
43 100

86 0.0 5.0 7.6#

42 78.5 7.7 11.5#

44 0.0 4.6 7.0#





#25

Ethyl Acetate

Concen: 0.147 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.020 min

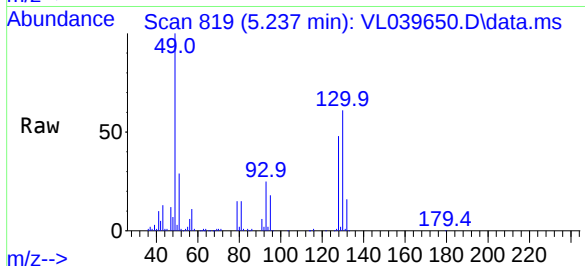
Lab File: VL039650.D

Acq: 22 Sep 2022 00:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 38832

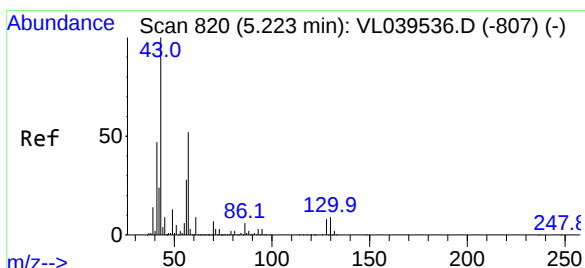
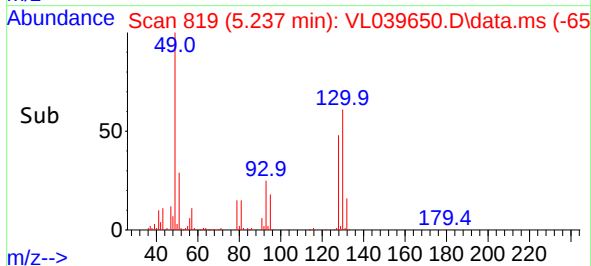
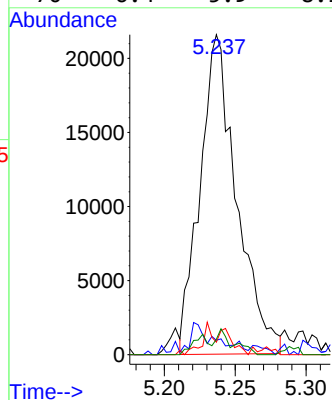
Ion Ratio Lower Upper

43 100

45 9.8 8.2 12.4

61 7.2 8.3 12.5#

70 6.4 5.9 8.9



#26

Hexane

Concen: 0.287 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.013 min

Lab File: VL039650.D

Acq: 22 Sep 2022 00:57

Tgt Ion: 57 Resp: 32296

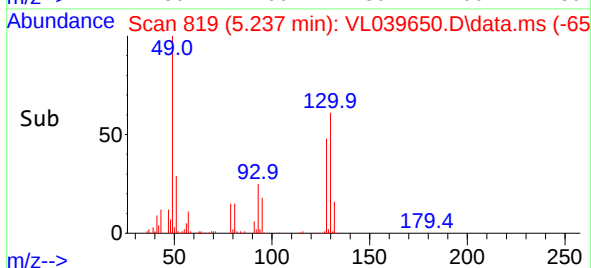
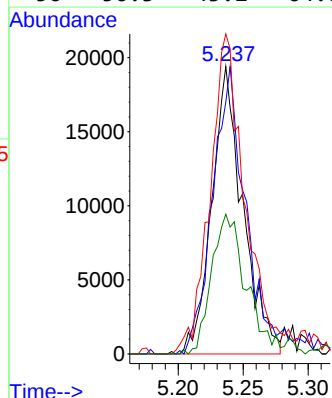
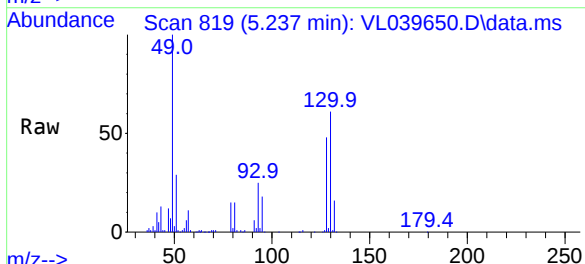
Ion Ratio Lower Upper

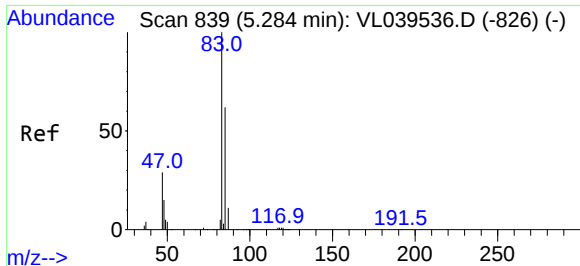
57 100

41 113.9 76.9 115.3

43 130.4 191.0 286.6#

56 56.3 43.2 64.8

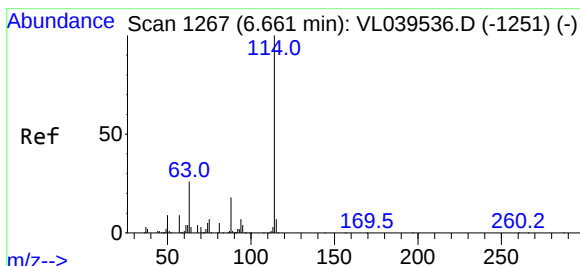
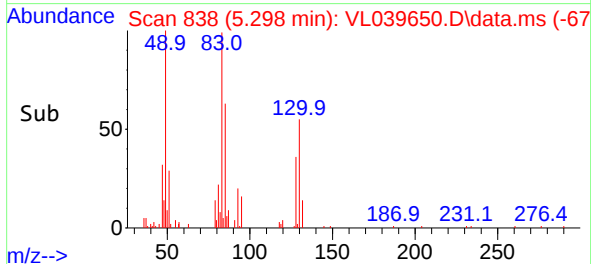
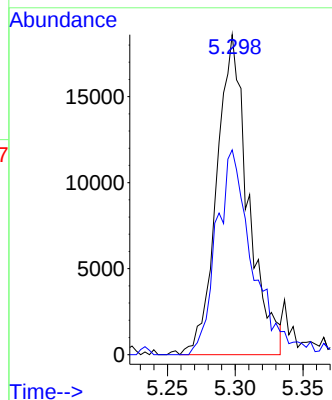
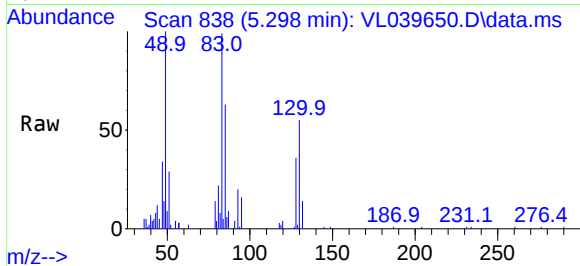




#29
Chloroform
Concen: 0.185 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

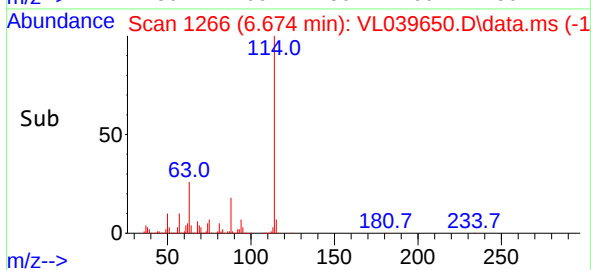
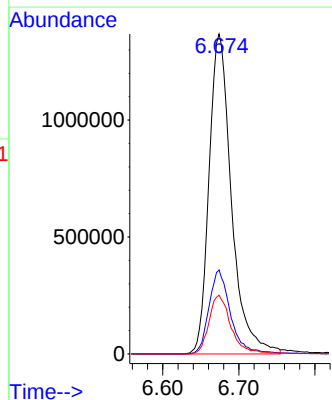
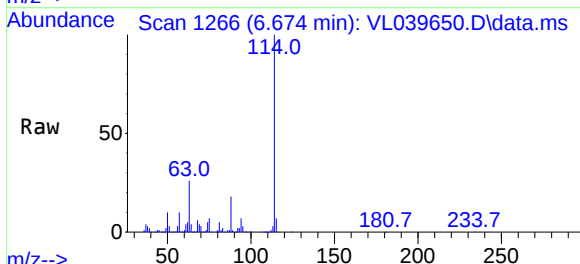
Instrument :
MSVOA_L
ClientSampleId :

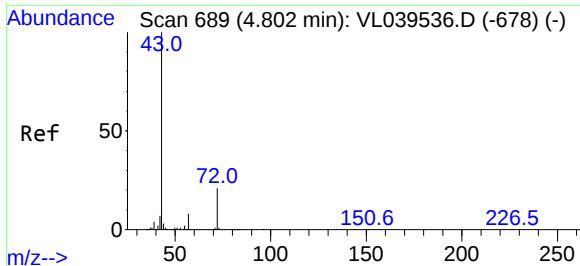
Tgt Ion: 83 Resp: 30051
Ion Ratio Lower Upper
83 100
85 64.0 52.8 79.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.013 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Tgt Ion: 114 Resp: 2798861
Ion Ratio Lower Upper
114 100
63 25.7 20.2 30.4
88 18.2 14.5 21.7

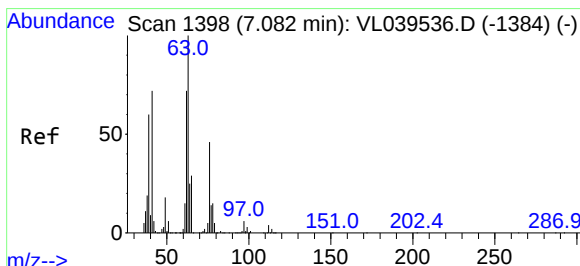
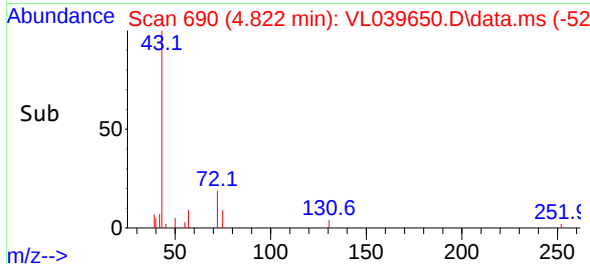
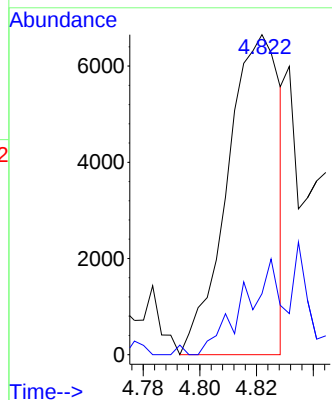
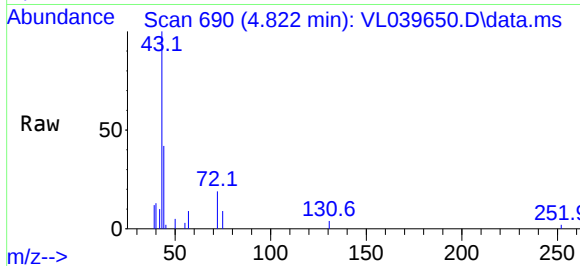




#34
2-Butanone
Concen: 0.061 ppbv
RT: 4.822 min Scan# 61
Delta R.T. 0.020 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

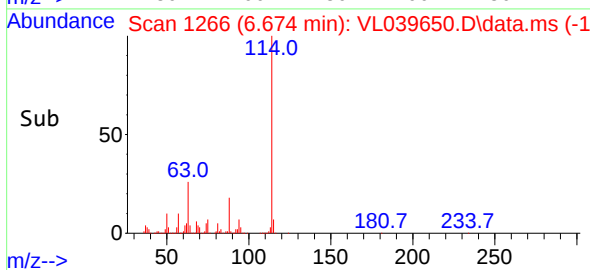
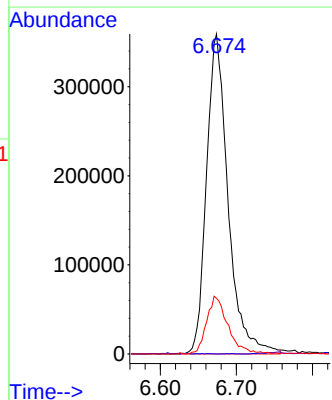
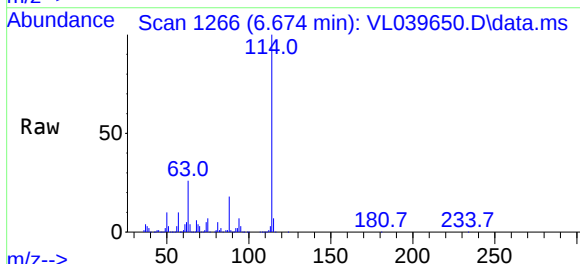
Instrument :
MSVOA_L
ClientSampleId :

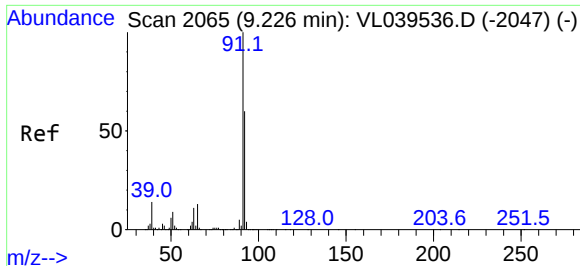
Tgt Ion: 43 Resp: 8449
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#



#39
1,2-Dichloropropane
Concen: 8.555 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.408 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Tgt Ion: 63 Resp: 706904
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 17.2 51.4 77.0#

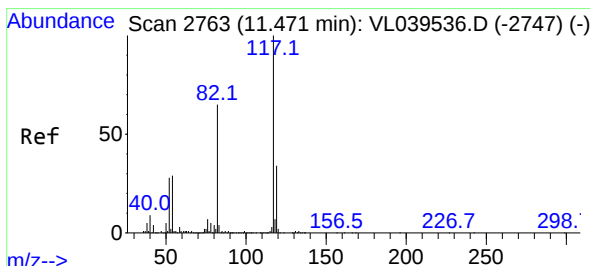
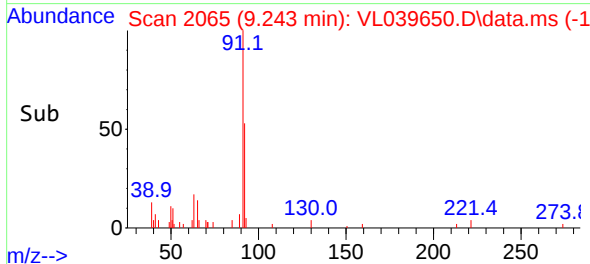
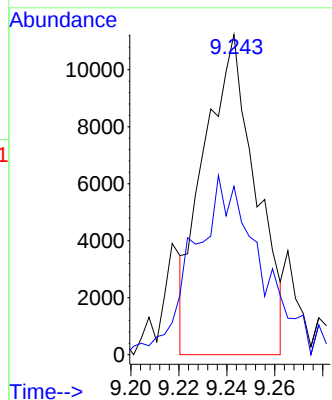
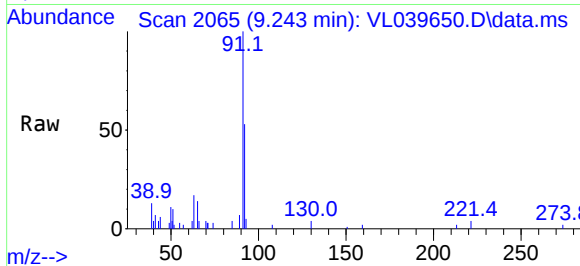




#53
Toluene
Concen: 0.071 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.017 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

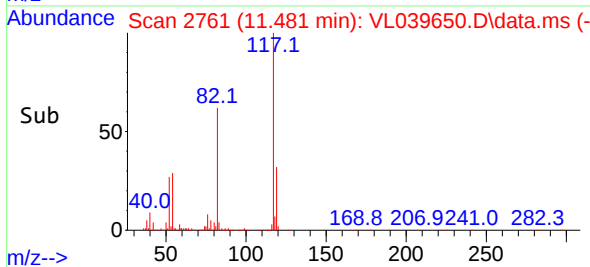
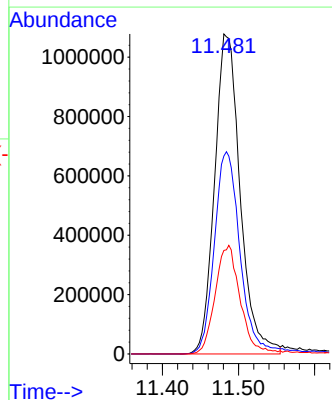
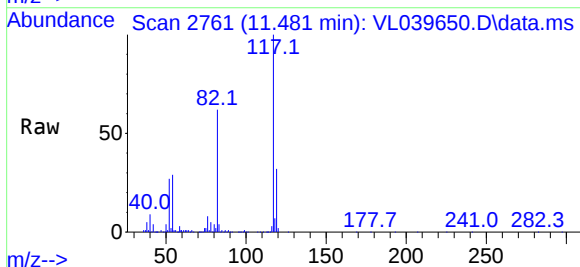
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 16799
Ion Ratio Lower Upper
91 100
92 77.0 48.2 72.2#

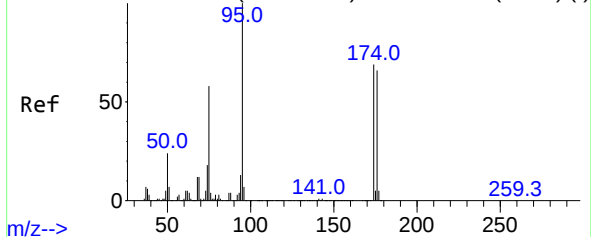


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.010 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Tgt Ion: 117 Resp: 2521460
Ion Ratio Lower Upper
117 100
82 65.0 50.8 76.2
119 34.1 24.1 36.1



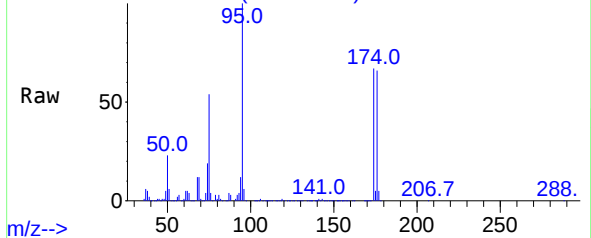
Abundance Scan 3480 (13.776 min): VL039536.D (-3460) (-)



#68
1-Bromo-4-Fluorobenzene
Concen: 10.044 ppbv
RT: 13.796 min Scan# 34
Delta R.T. 0.020 min
Lab File: VL039650.D
Acq: 22 Sep 2022 00:57

Instrument :
MSVOA_L
ClientSampleId :

Abundance Scan 3481 (13.796 min): VL039650.D\data.ms



Tgt Ion: 95 Resp: 1890536
Ion Ratio Lower Upper
95 100
174 72.4 55.9 83.9
175 5.6 4.2 6.4

Abundance Scan 3481 (13.796 min): VL039650.D\data.ms (-

