

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039656.D
 Acq On : 22 Sep 2022 4:53
 Operator : SY/AP
 Sample : N4669-08DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 22 08:26:57 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)

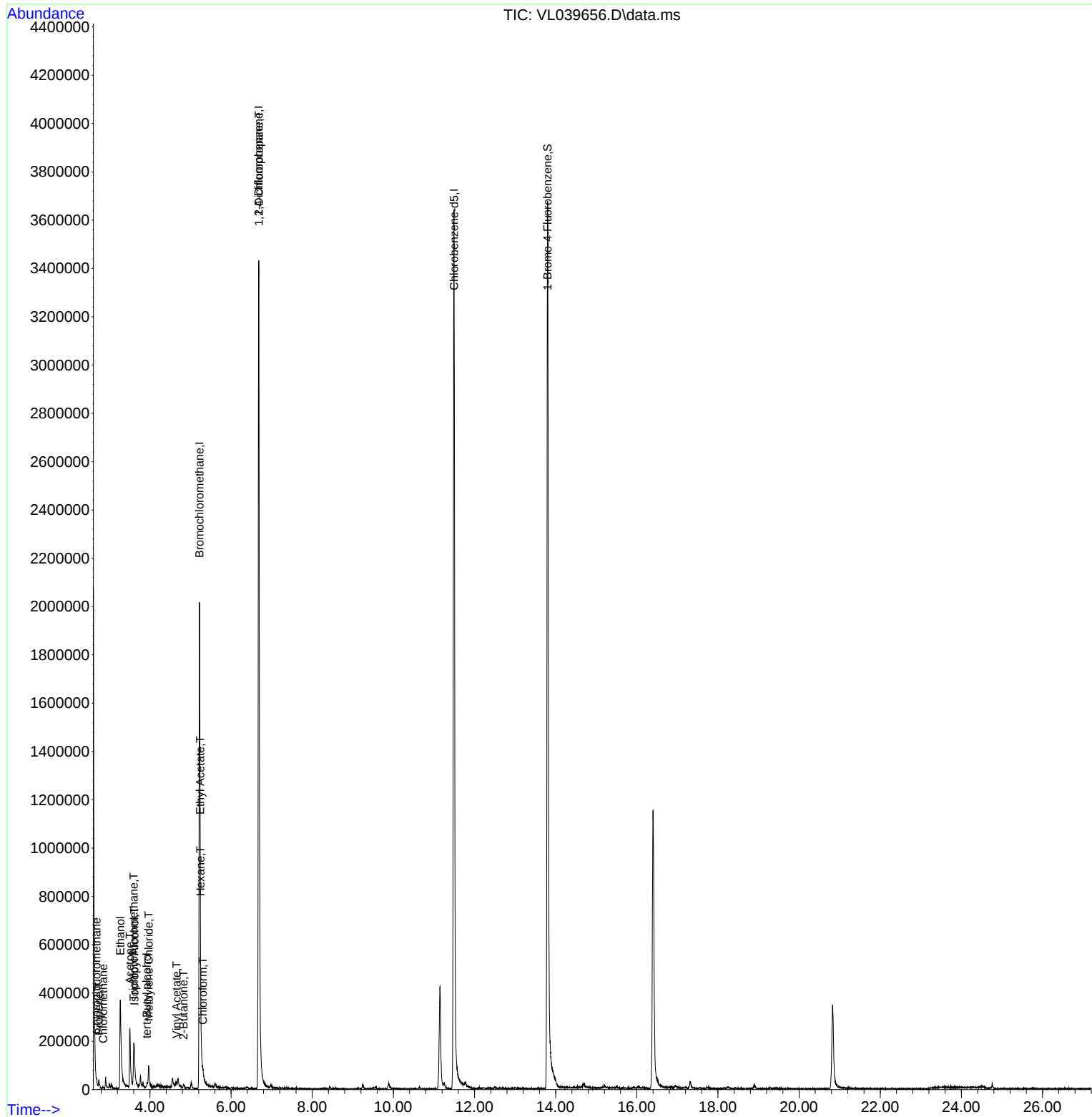
Internal Standards						
1) Bromochloromethane	5.224	49	1022542	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.681	114	2679152	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.494	117	2438289	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1863709	10.239	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.684	51	12114	0.100	ppbv #	69
4) Chloromethane	2.845	50	2212	0.030	ppbv #	62
9) Propene	2.742	41	8318	0.150	ppbv	97
11) Trichlorofluoromethane	3.600	101	85821	0.585	ppbv	97
13) Ethanol	3.269	45	463456	109.752	ppbv	70
15) Acetone	3.504	43	268168	2.357	ppbv	94
17) tert-Butyl alcohol	3.925	59	10161	0.100	ppbv #	81
19) Isopropyl Alcohol	3.616	45	123049	2.122	ppbv	98
20) Methylene Chloride	3.967	84	30951	0.588	ppbv	95
23) Vinyl Acetate	4.658	43	2116	0.041	ppbv #	1
25) Ethyl Acetate	5.240	43	17703	0.071	ppbv #	72
26) Hexane	5.247	57	12342	0.117	ppbv #	72
29) Chloroform	5.301	83	5447	0.036	ppbv #	28
34) 2-Butanone	4.825	43	15031	0.114	ppbv #	85
39) 1,2-Dichloropropane	6.684	63	647680	8.189	ppbv #	26

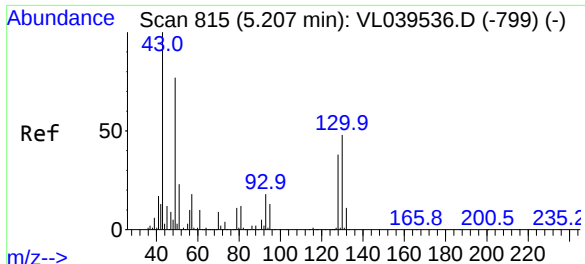
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039656.D
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Sample : N4669-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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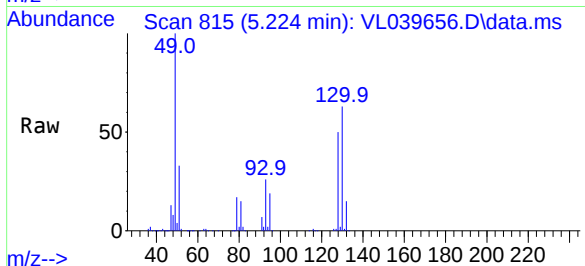
Quant Time: Sep 22 08:26:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





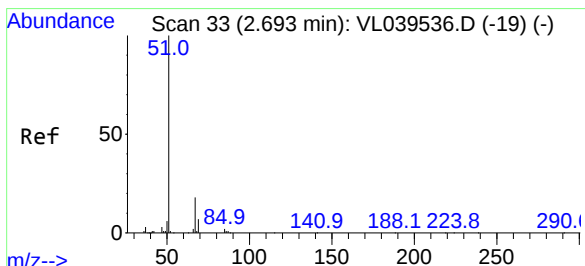
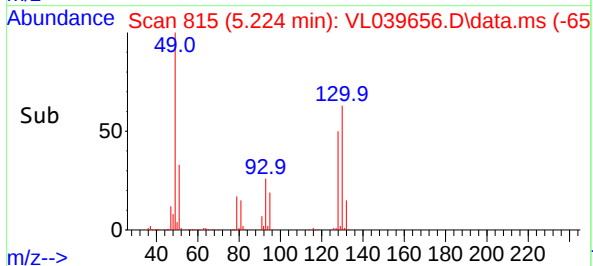
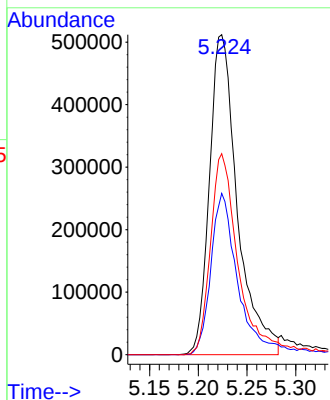
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 81
Delta R.T. 0.017 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 49 Resp: 1022542

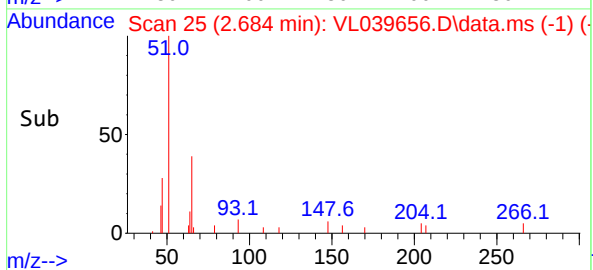
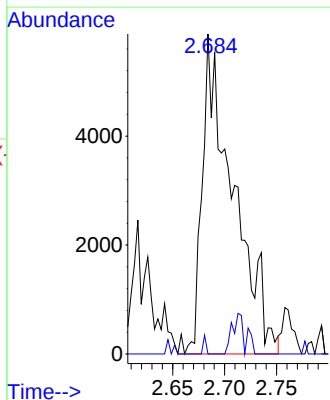
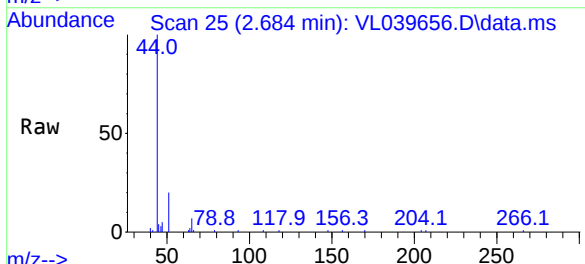
Ion	Ratio	Lower	Upper
49	100		
128	51.3	26.7	80.0
130	66.1	34.3	102.8

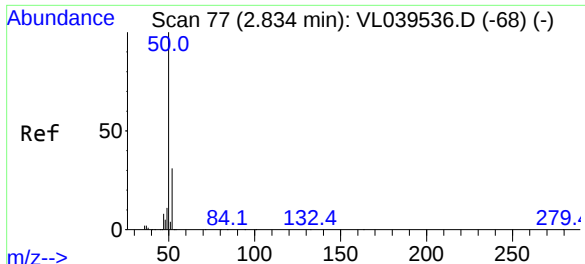


#3
Chlorodifluoromethane
Concen: 0.100 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.009 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Tgt Ion: 51 Resp: 12114

Ion	Ratio	Lower	Upper
51	100		
67	5.4	15.7	23.5

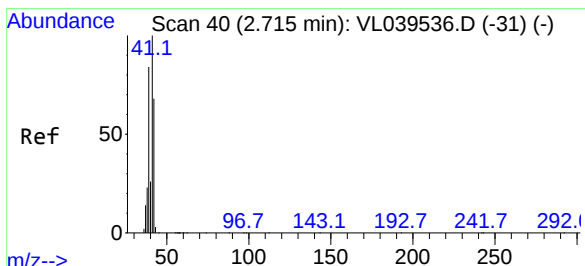
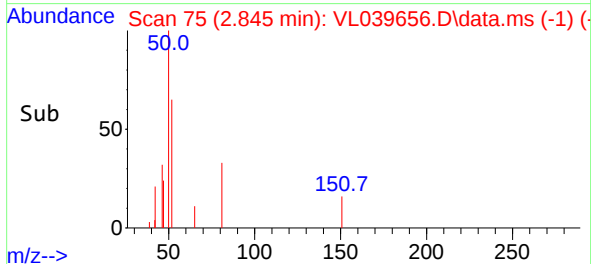
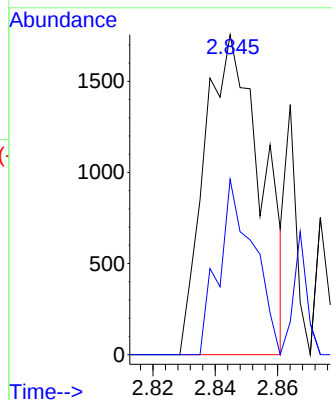
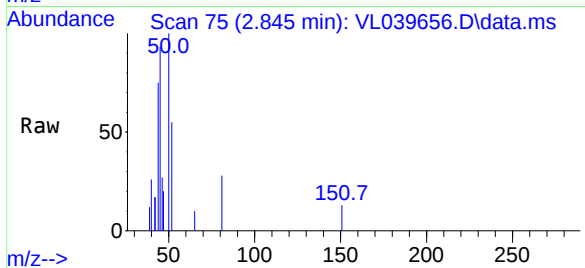




#4
Chloromethane
Concen: 0.030 ppbv
RT: 2.845 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

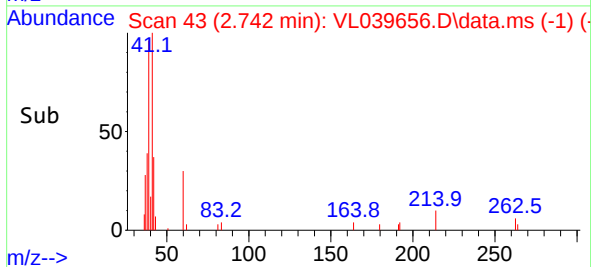
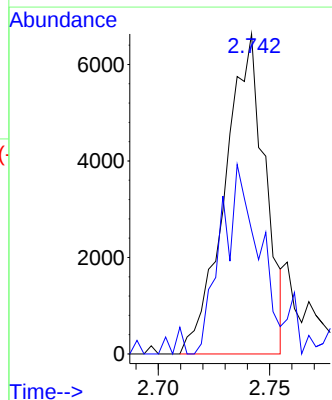
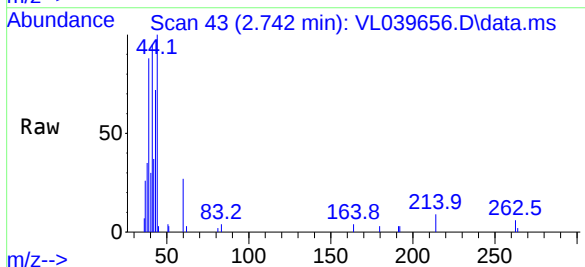
Instrument : MSVOA_L
ClientSampleId :

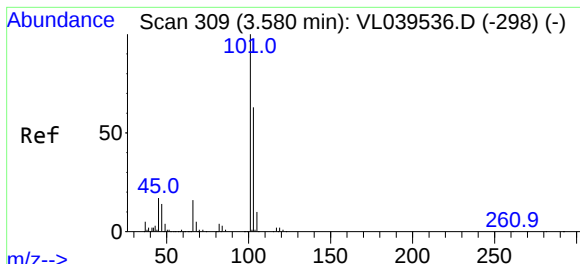
Tgt Ion: 50 Resp: 2212
Ion Ratio Lower Upper
50 100
52 54.8 26.5 39.7#



#9
Propene
Concen: 0.150 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.026 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Tgt Ion: 41 Resp: 8318
Ion Ratio Lower Upper
41 100
42 71.2 55.2 82.8

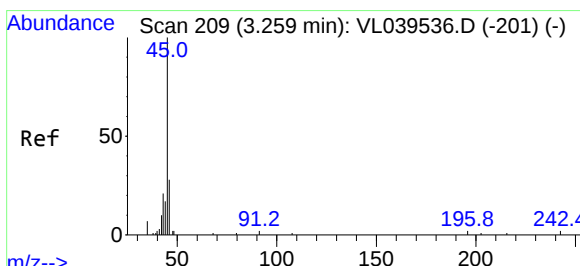
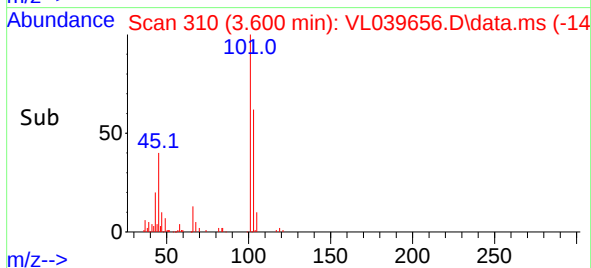
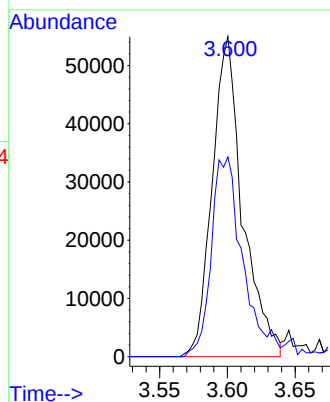
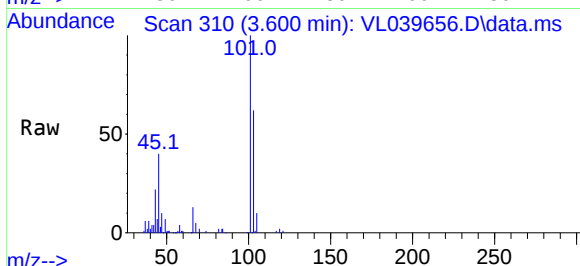




#11
 Trichlorofluoromethane
 Concen: 0.585 ppbv
 RT: 3.600 min Scan# 310
 Delta R.T. 0.020 min
 Lab File: VL039656.D
 Acq: 22 Sep 2022 4:53

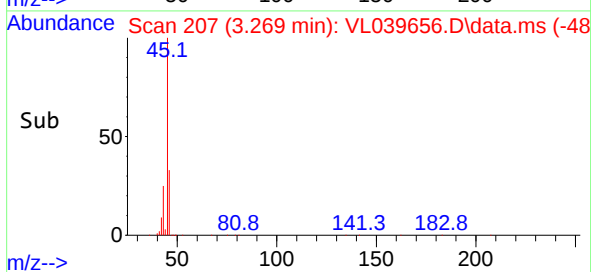
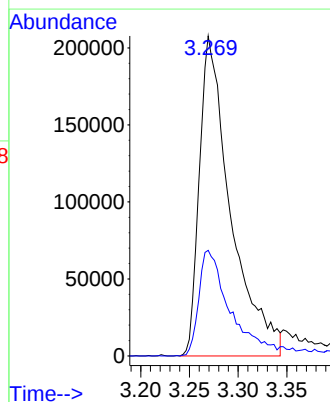
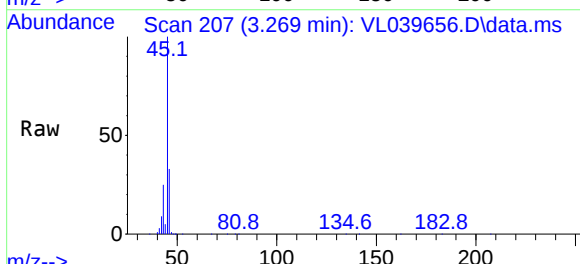
Instrument :
 MSVOA_L
 ClientSampleId :

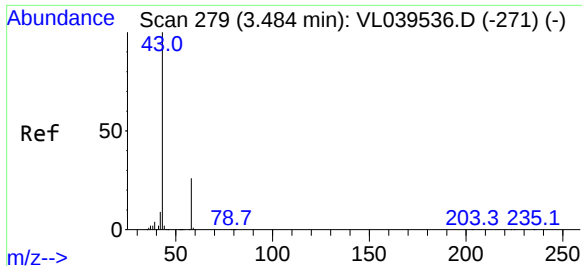
Tgt Ion:101 Resp: 85821
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.8 77.8



#13
 Ethanol
 Concen: 109.752 ppbv
 RT: 3.269 min Scan# 207
 Delta R.T. 0.010 min
 Lab File: VL039656.D
 Acq: 22 Sep 2022 4:53

Tgt Ion: 45 Resp: 463456
 Ion Ratio Lower Upper
 45 100
 46 35.1 22.8 91.2

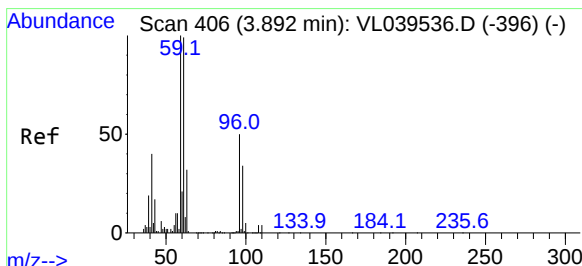
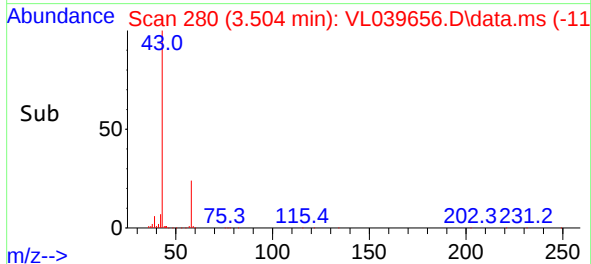
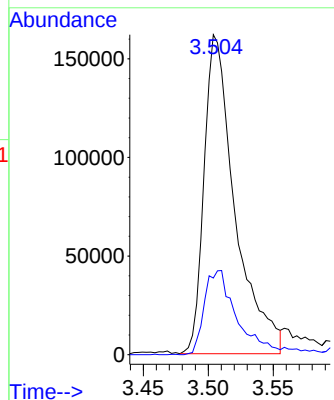
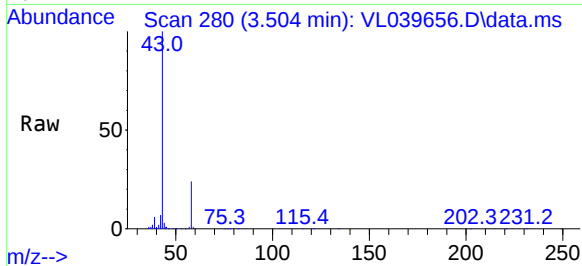




#15
Acetone
Concen: 2.357 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

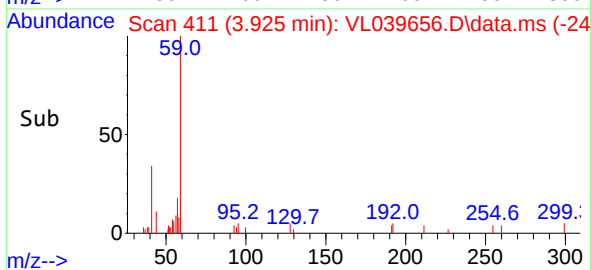
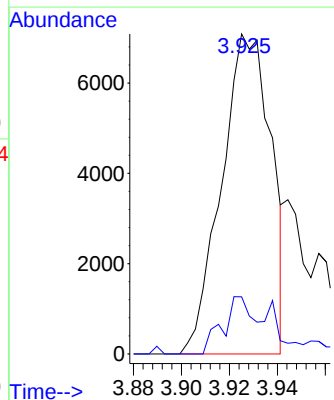
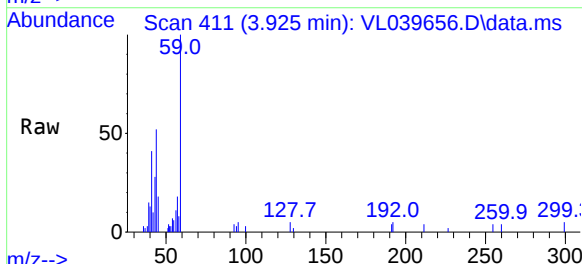
Instrument :
MSVOA_L
ClientSampleId :

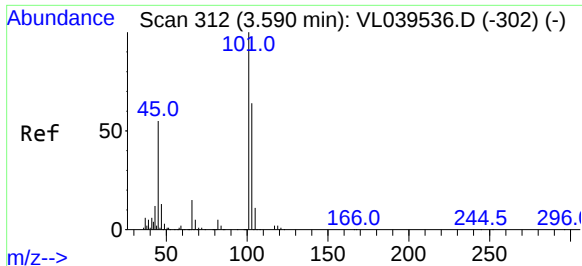
Tgt Ion: 43 Resp: 268168
Ion Ratio Lower Upper
43 100
58 29.4 21.0 31.6



#17
tert-Butyl alcohol
Concen: 0.100 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.033 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Tgt Ion: 59 Resp: 10161
Ion Ratio Lower Upper
59 100
57 17.9 8.7 13.1#

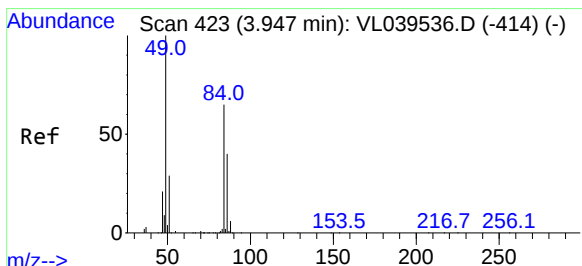
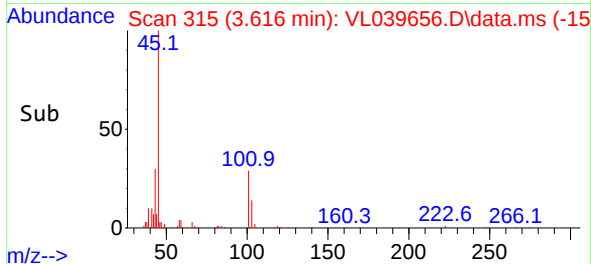
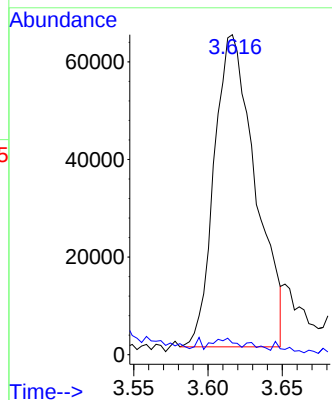
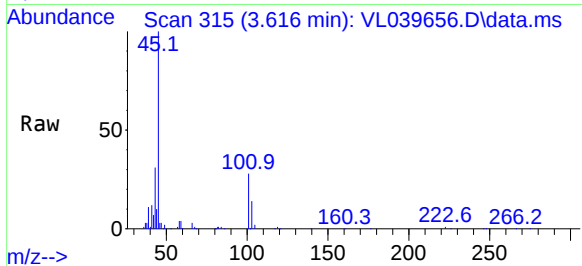




#19
Isopropyl Alcohol
Concen: 2.122 ppbv
RT: 3.616 min Scan# 315
Delta R.T. 0.026 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

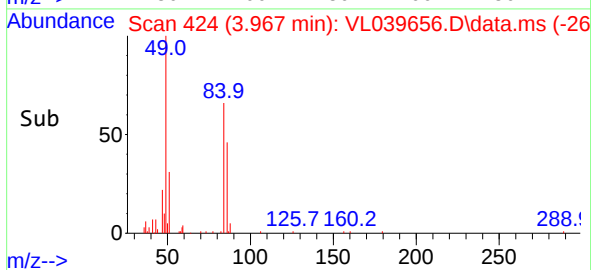
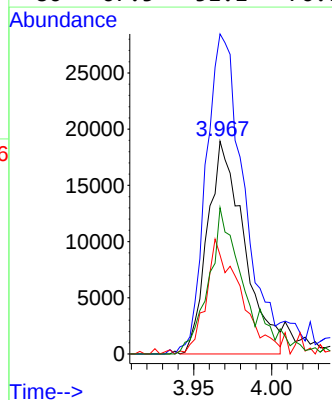
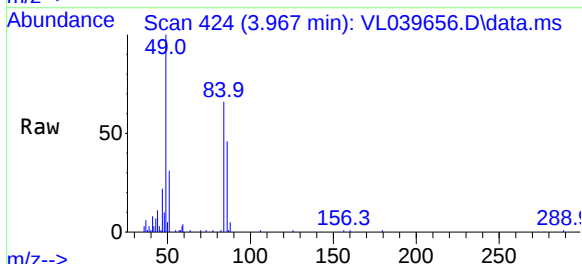
Instrument :
MSVOA_L
ClientSampleId :

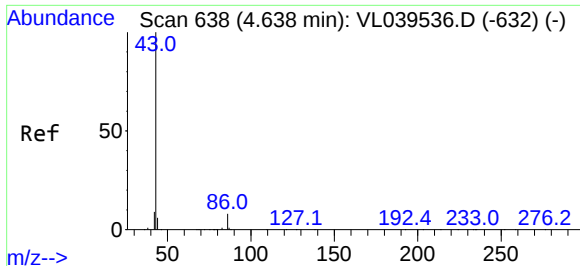
Tgt Ion: 45 Resp: 123049
Ion Ratio Lower Upper
45 100
58 4.7 3.2 4.8



#20
Methylene Chloride
Concen: 0.588 ppbv
RT: 3.967 min Scan# 424
Delta R.T. 0.020 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

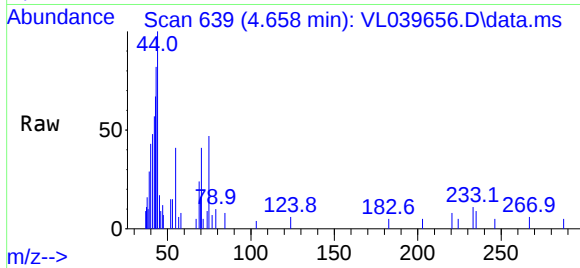
Tgt Ion: 84 Resp: 30951
Ion Ratio Lower Upper
84 100
49 145.6 123.1 184.7
51 45.1 34.4 51.6
86 67.5 51.1 76.7





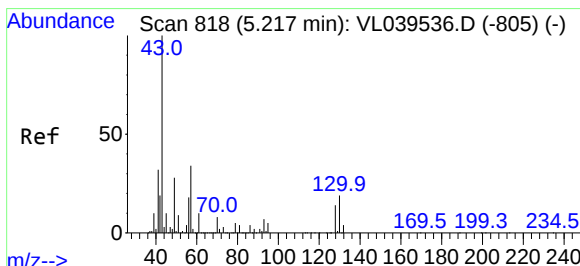
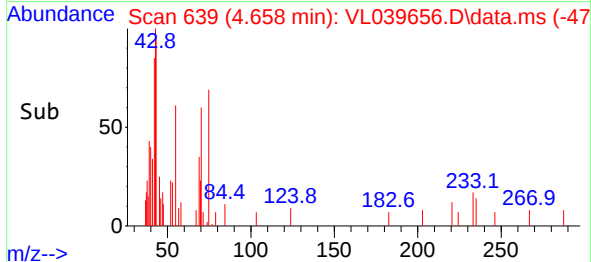
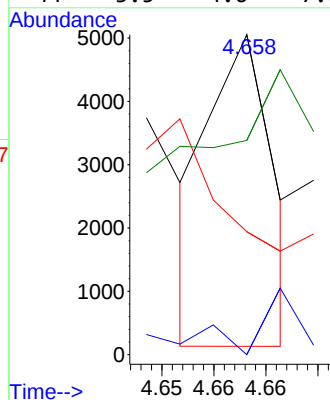
#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 4.658 min Scan# 61
 Delta R.T. 0.020 min
 Lab File: VL039656.D
 Acq: 22 Sep 2022 4:53

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 2116

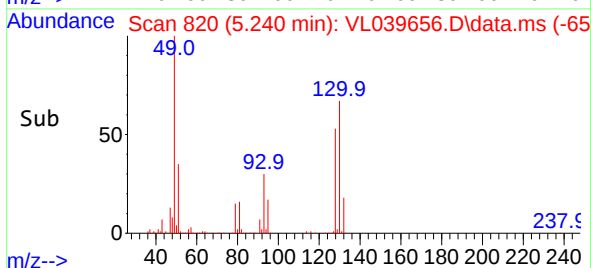
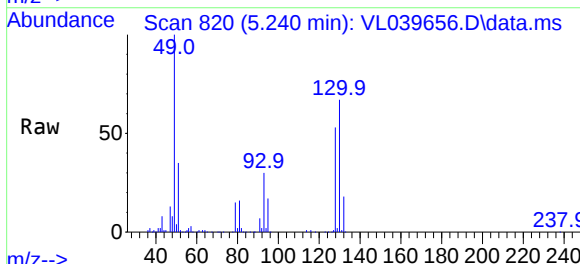
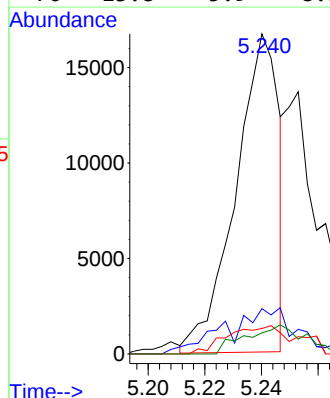
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	99.0	7.7	11.5#
44	3.5	4.6	7.0#

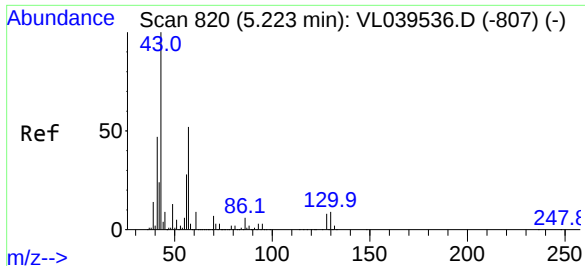


#25
 Ethyl Acetate
 Concen: 0.071 ppbv
 RT: 5.240 min Scan# 820
 Delta R.T. 0.023 min
 Lab File: VL039656.D
 Acq: 22 Sep 2022 4:53

Tgt Ion: 43 Resp: 17703

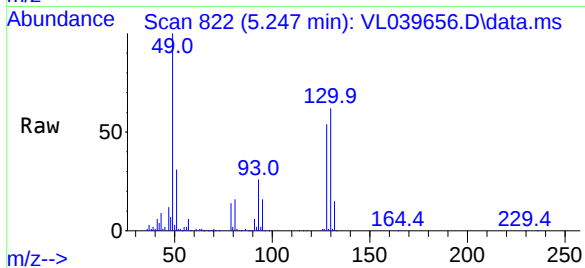
Ion	Ratio	Lower	Upper
43	100		
45	28.1	8.2	12.4#
61	15.9	8.3	12.5#
70	13.8	5.9	8.9#





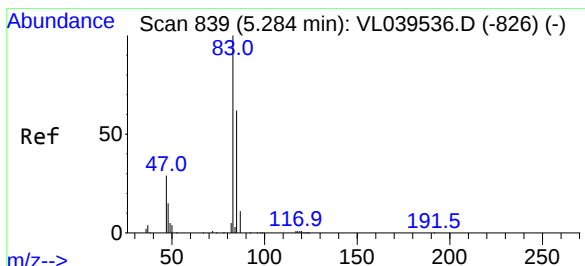
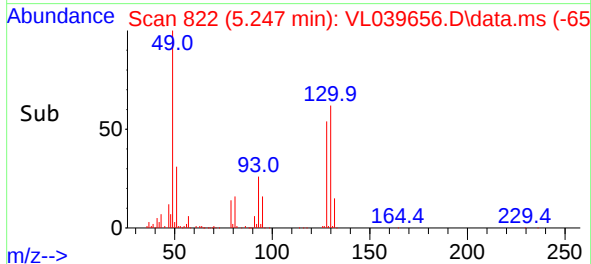
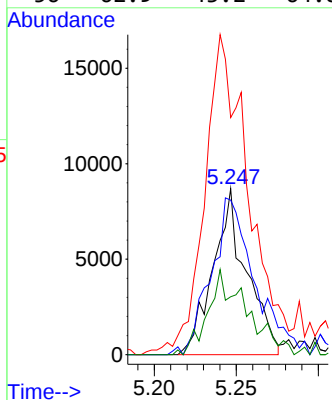
#26
Hexane
Concen: 0.117 ppbv
RT: 5.247 min Scan# 811
Delta R.T. 0.023 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 12342

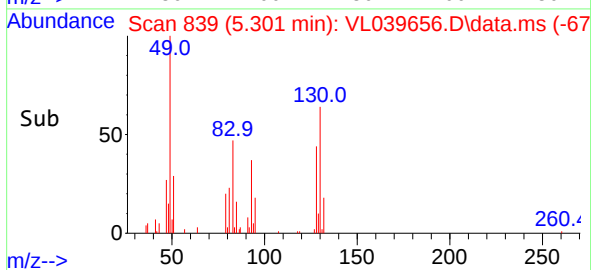
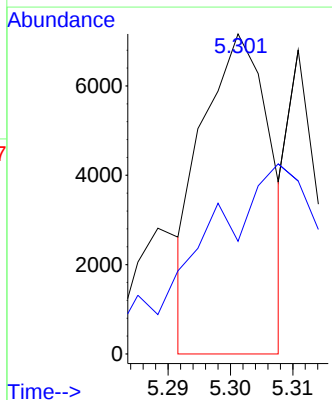
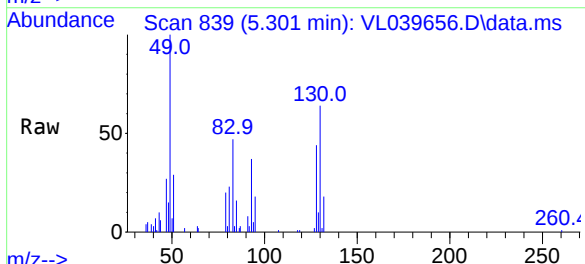
Ion	Ratio	Lower	Upper
57	100		
41	127.8	76.9	115.3#
43	288.2	191.0	286.6#
56	62.9	43.2	64.8

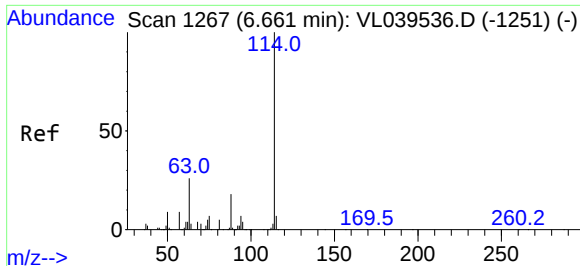


#29
Chloroform
Concen: 0.036 ppbv
RT: 5.301 min Scan# 839
Delta R.T. 0.017 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Tgt Ion: 83 Resp: 5447

Ion	Ratio	Lower	Upper
83	100		
85	8.5	52.8	79.2#

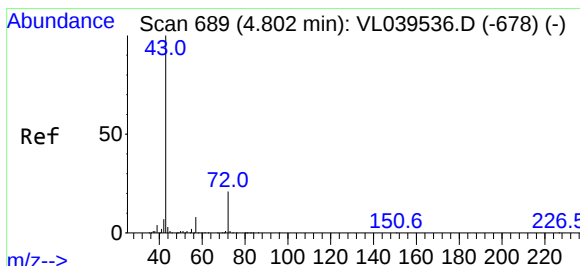
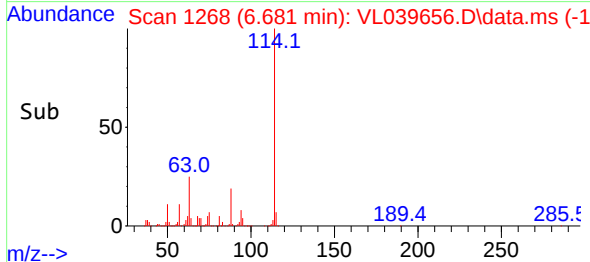
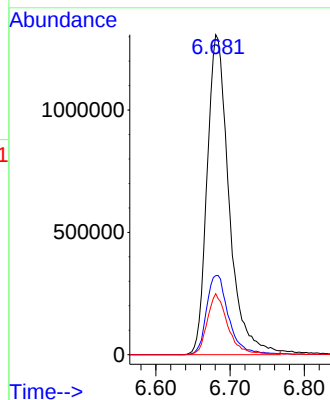
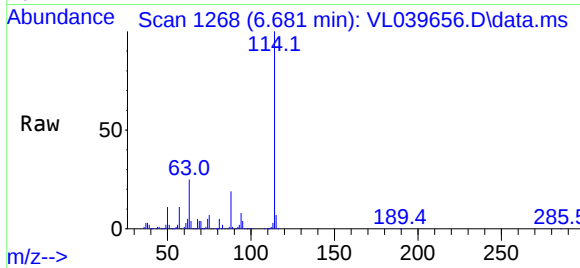




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.681 min Scan# 11
Delta R.T. 0.020 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

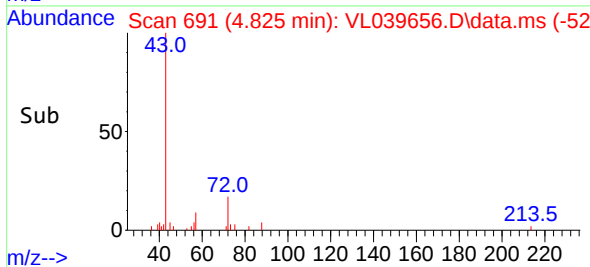
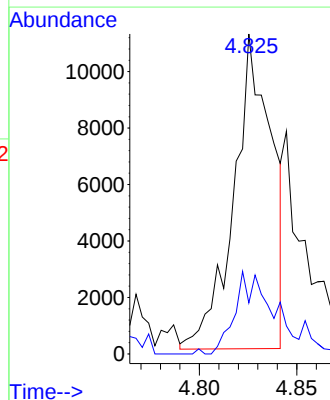
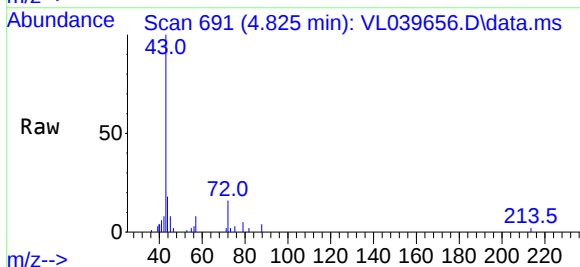
Instrument :
MSVOA_L
ClientSampleId :

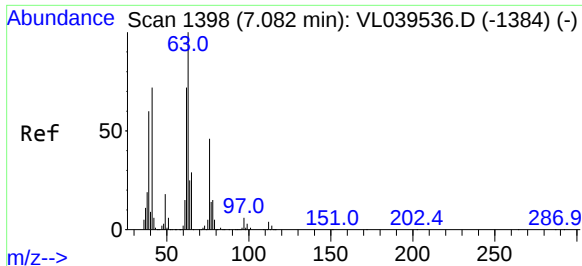
Tgt Ion:114 Resp: 2679152
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.4
88 18.1 14.5 21.7



#34
2-Butanone
Concen: 0.114 ppbv
RT: 4.825 min Scan# 691
Delta R.T. 0.023 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Tgt Ion: 43 Resp: 15031
Ion Ratio Lower Upper
43 100
72 29.5 17.9 26.9#

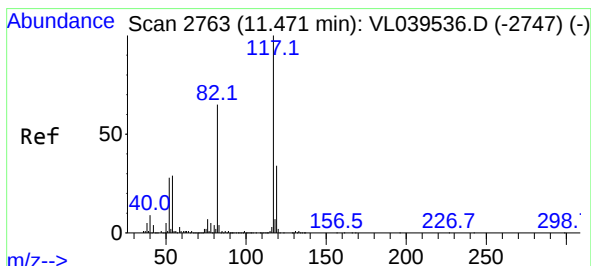
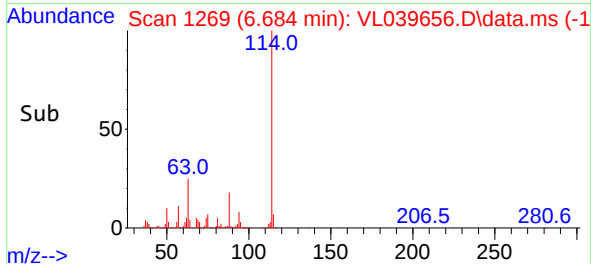
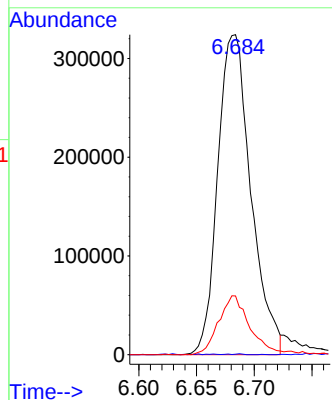
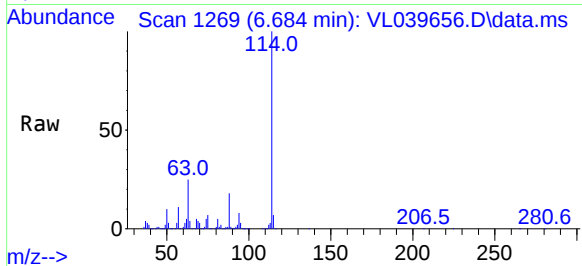




#39
1,2-Dichloropropane
Concen: 8.189 ppbv
RT: 6.684 min Scan# 11
Delta R.T. -0.398 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

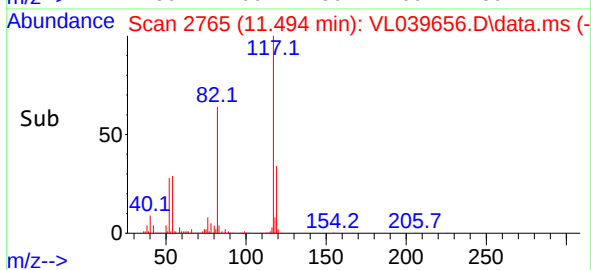
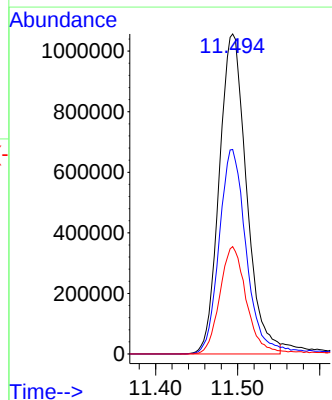
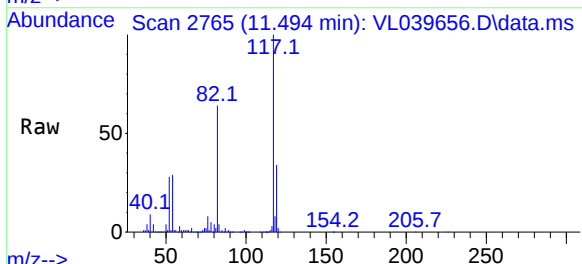
Instrument :
MSVOA_L
ClientSampleId :

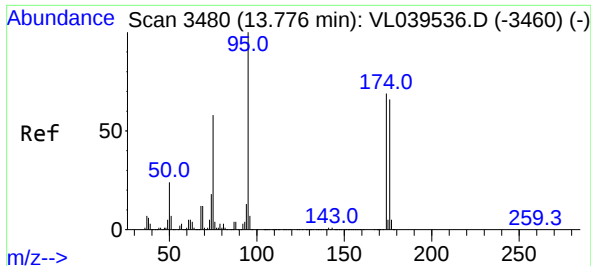
Tgt Ion: 63 Resp: 647680
Ion Ratio Lower Upper
63 100
41 0.2 59.6 89.4#
62 18.4 51.4 77.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.023 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

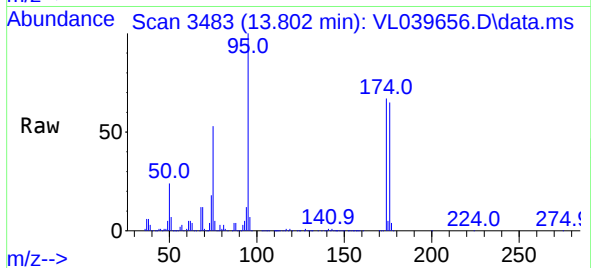
Tgt Ion: 117 Resp: 2438289
Ion Ratio Lower Upper
117 100
82 65.8 50.8 76.2
119 33.8 24.1 36.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.239 ppbv
RT: 13.802 min Scan# 34
Delta R.T. 0.027 min
Lab File: VL039656.D
Acq: 22 Sep 2022 4:53

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 95 Resp: 1863709

Ion	Ratio	Lower	Upper
95	100		
174	71.0	55.9	83.9
175	5.4	4.2	6.4

