

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039648.D
 Acq On : 21 Sep 2022 23:37
 Operator : SY/AP
 Sample : N4669-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6DL

Quant Time: Sep 22 08:21:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

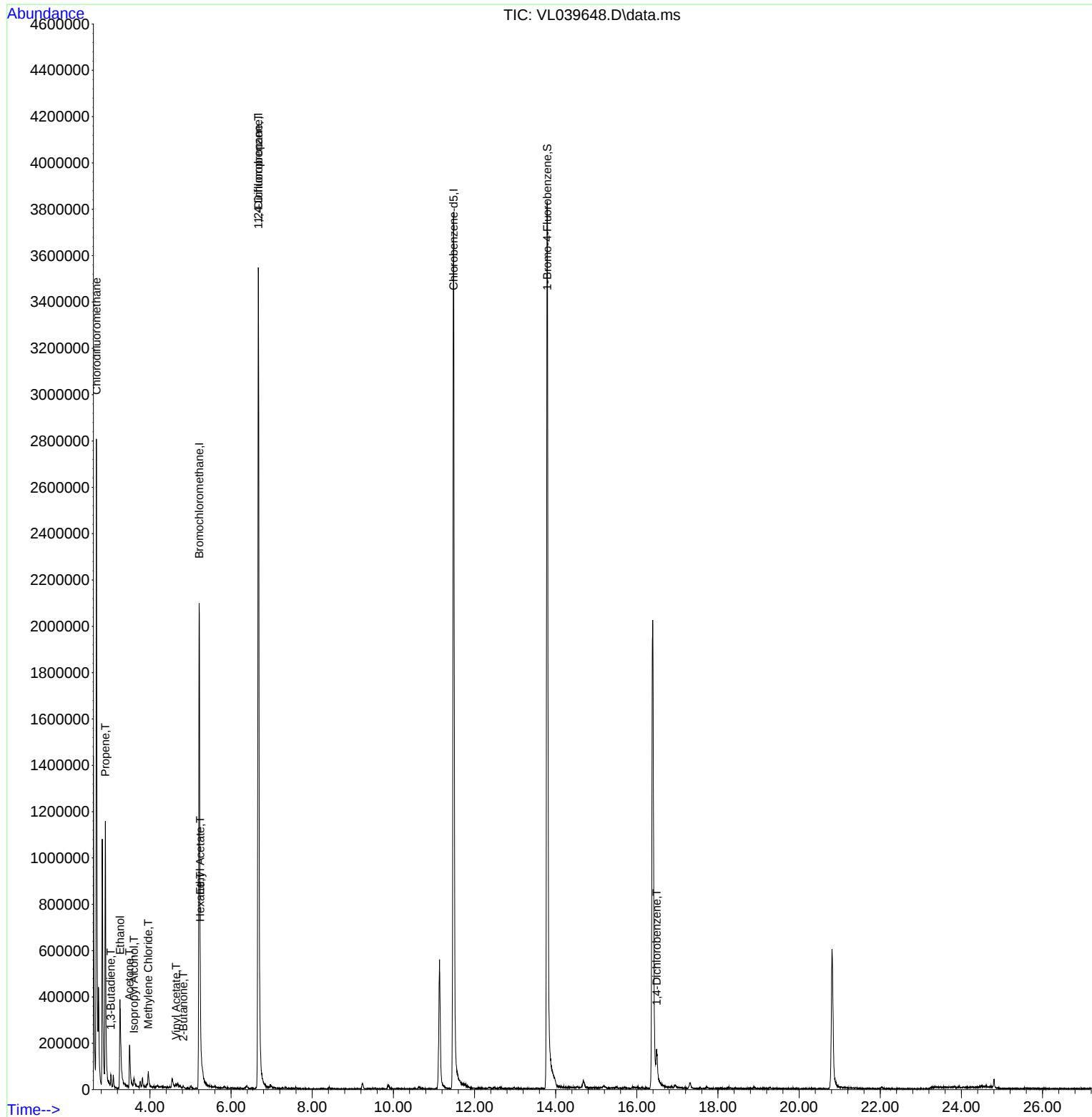
Internal Standards						
1) Bromochloromethane	5.214	49	1092075	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2812926	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2567052	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1892526	9.876	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.681	51	1867244	14.408	ppbv #	57
9) Propene	2.902	41	356592	6.025	ppbv	95
13) Ethanol	3.263	45	494235	109.589	ppbv	72
15) Acetone	3.497	43	92437	0.761	ppbv #	27
16) 1,3-Butadiene	3.037	39	4264	0.069	ppbv #	28
19) Isopropyl Alcohol	3.607	45	27848	0.450	ppbv #	75
20) Methylene Chloride	3.957	84	19918	0.355	ppbv #	92
23) Vinyl Acetate	4.645	43	5220	0.095	ppbv #	74
25) Ethyl Acetate	5.237	43	23690	0.089	ppbv #	89
26) Hexane	5.240	57	7493	0.067	ppbv #	16
34) 2-Butanone	4.819	43	7590	0.055	ppbv #	53
39) 1,2-Dichloropropane	6.674	63	688894	8.296	ppbv #	26
76) 1,4-Dichlorobenzene	16.493	146	25567	0.145	ppbv #	1

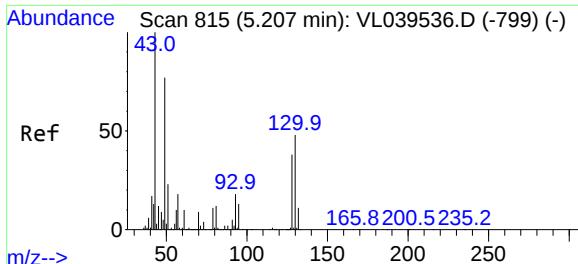
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 08:21:58 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

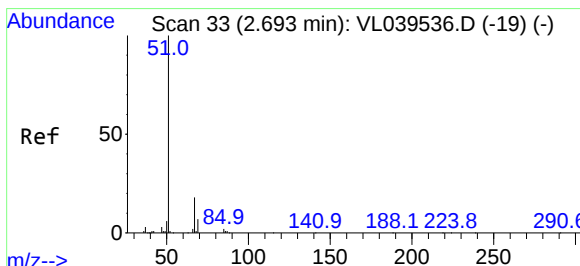
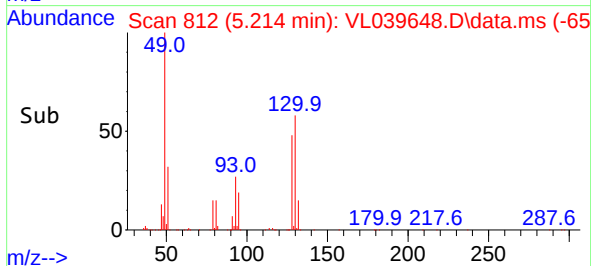
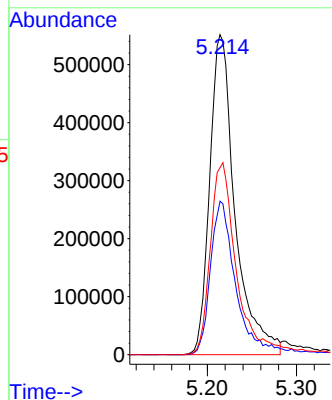
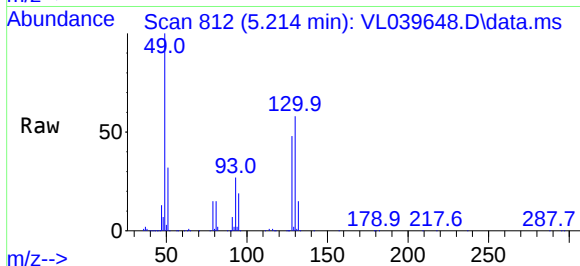




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL039648.D
 Acq: 21 Sep 2022 23:37

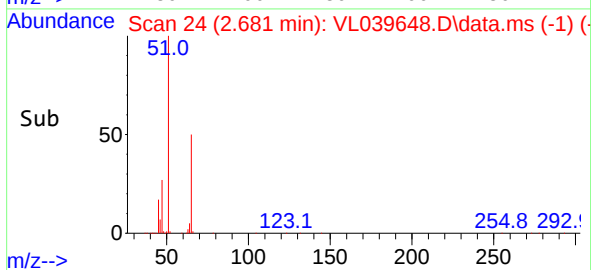
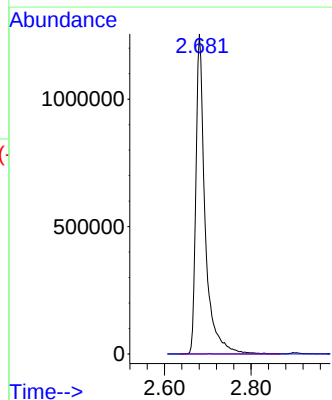
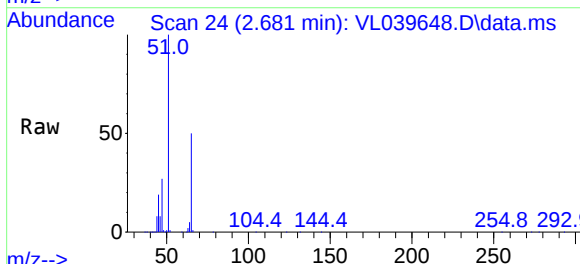
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6DL

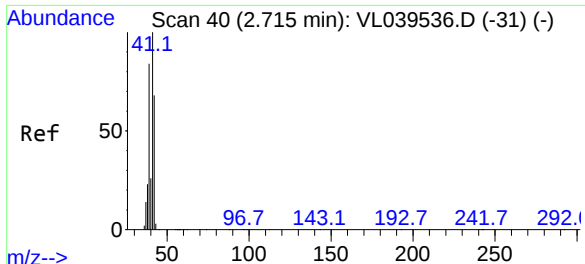
Tgt Ion: 49 Resp: 1092075
 Ion Ratio Lower Upper
 49 100
 128 49.6 26.7 80.0
 130 63.5 34.3 102.8



#3
 Chlorodifluoromethane
 Concen: 14.408 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: VL039648.D
 Acq: 21 Sep 2022 23:37

Tgt Ion: 51 Resp: 1867244
 Ion Ratio Lower Upper
 51 100
 67 0.0 15.7 23.5#

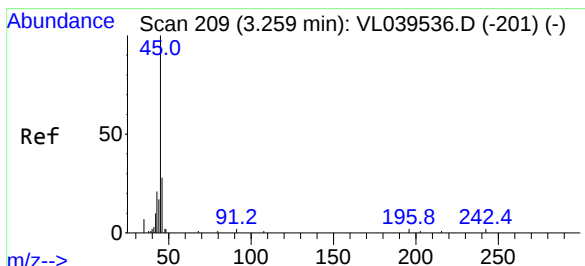
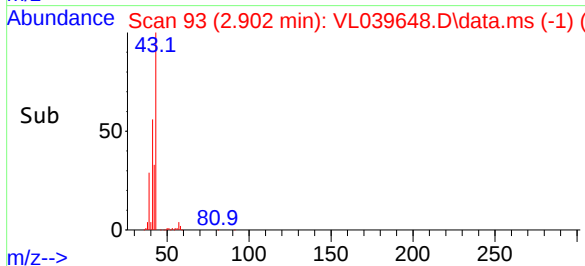
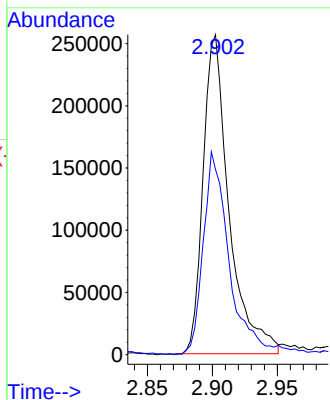
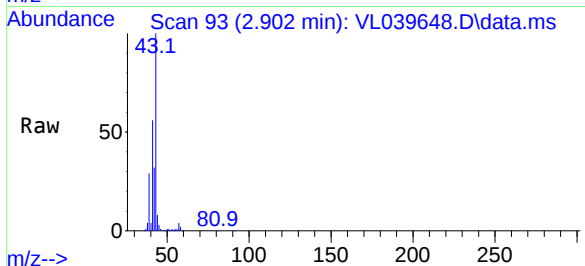




#9
 Propene
 Concen: 6.025 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.187 min
 Lab File: VL039648.D
 Acq: 21 Sep 2022 23:37

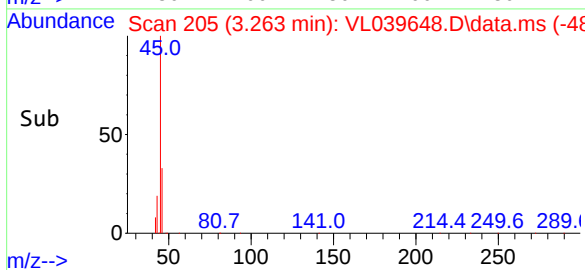
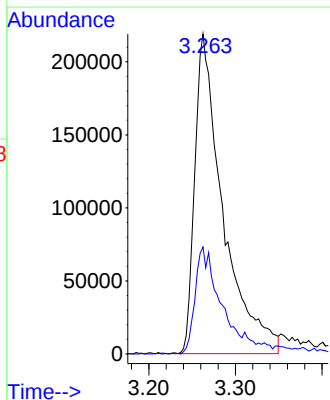
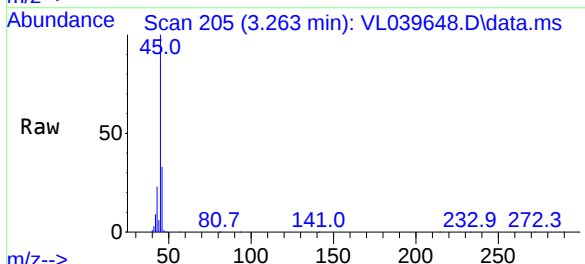
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6DL

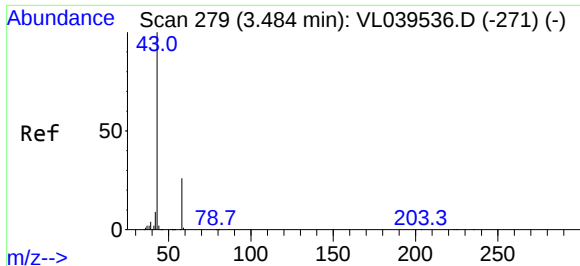
Tgt Ion: 41 Resp: 356592
 Ion Ratio Lower Upper
 41 100
 42 65.3 55.2 82.8



#13
 Ethanol
 Concen: 109.589 ppbv
 RT: 3.263 min Scan# 205
 Delta R.T. 0.004 min
 Lab File: VL039648.D
 Acq: 21 Sep 2022 23:37

Tgt Ion: 45 Resp: 494235
 Ion Ratio Lower Upper
 45 100
 46 36.7 22.8 91.2

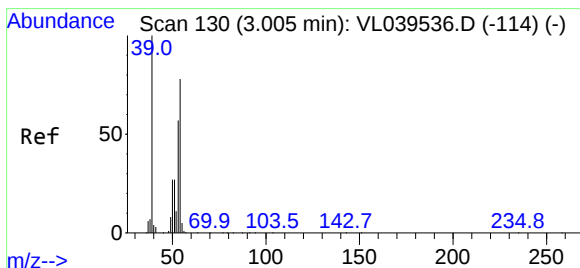
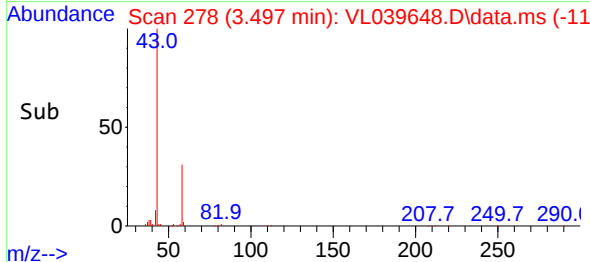
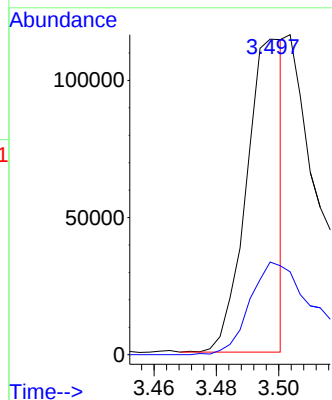
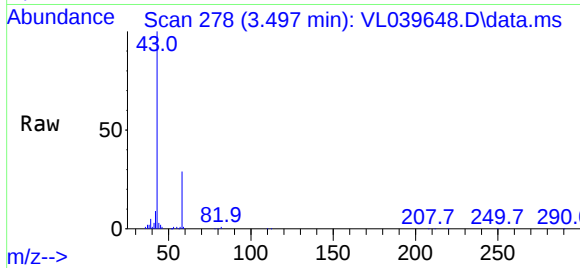




#15
Acetone
Concen: 0.761 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

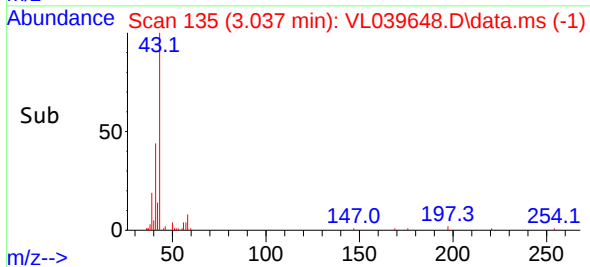
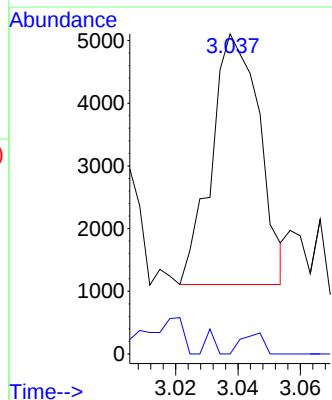
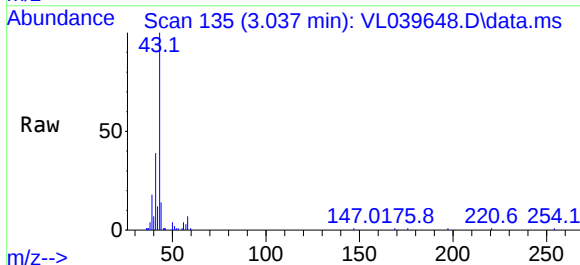
Instrument :
MSVOA_L
ClientSampleId :
C0PF6DL

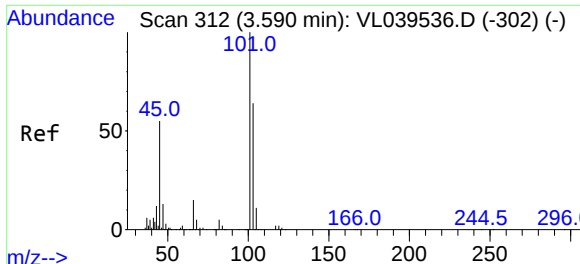
Tgt Ion: 43 Resp: 92437
Ion Ratio Lower Upper
43 100
58 63.6 21.0 31.6#



#16
1,3-Butadiene
Concen: 0.069 ppbv
RT: 3.037 min Scan# 135
Delta R.T. 0.033 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

Tgt Ion: 39 Resp: 4264
Ion Ratio Lower Upper
39 100
54 16.7 63.7 95.5#

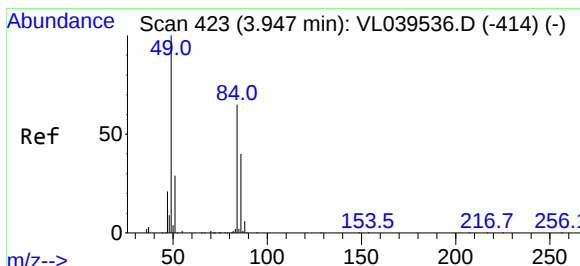
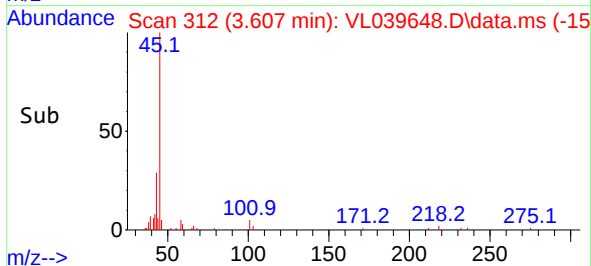
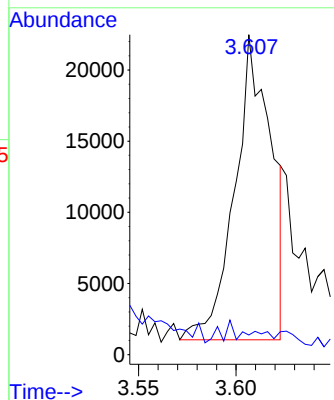
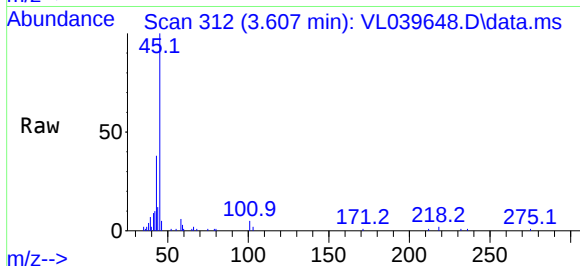




#19
Isopropyl Alcohol
Concen: 0.450 ppbv
RT: 3.607 min Scan# 312
Delta R.T. 0.017 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

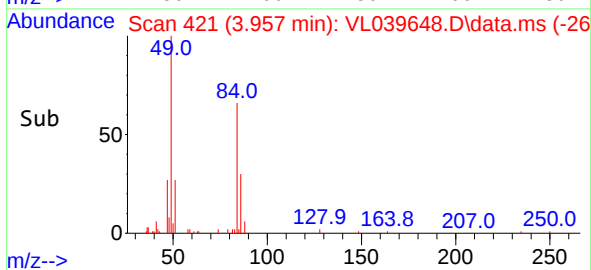
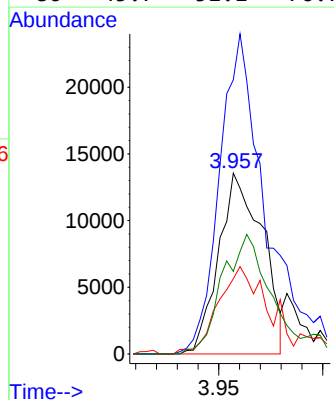
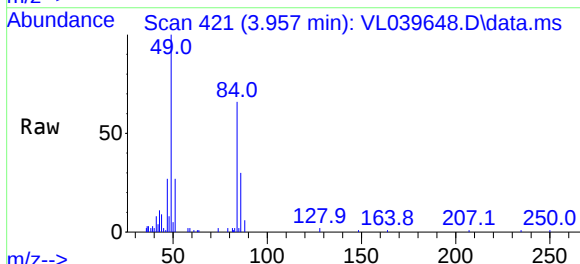
Instrument :
MSVOA_1
ClientSampleId :
C0PF6DL

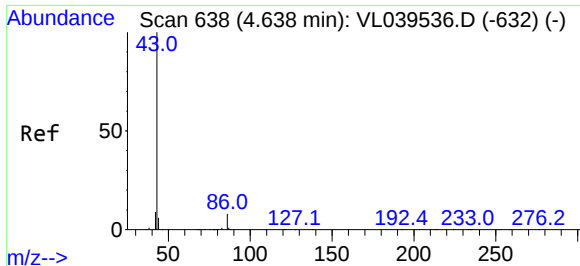
Tgt Ion: 45 Resp: 27848
Ion Ratio Lower Upper
45 100
58 12.3 3.2 4.8#



#20
Methylene Chloride
Concen: 0.355 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.010 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

Tgt Ion: 84 Resp: 19918
Ion Ratio Lower Upper
84 100
49 150.3 123.1 184.7
51 39.2 34.4 51.6
86 45.7 51.1 76.7#





#23

Vinyl Acetate

Concen: 0.095 ppbv

RT: 4.645 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL039648.D

Acq: 21 Sep 2022 23:37

Instrument :

MSVOA_L

ClientSampleId :

C0PF6DL

Tgt Ion: 43 Resp: 5220

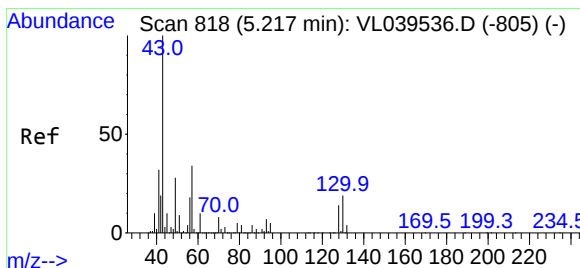
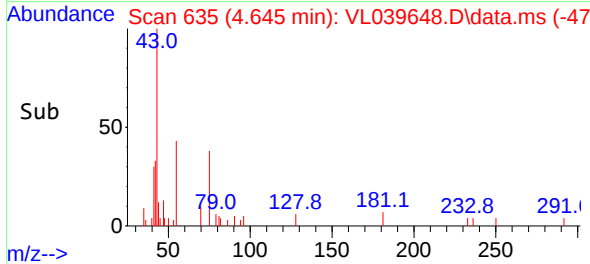
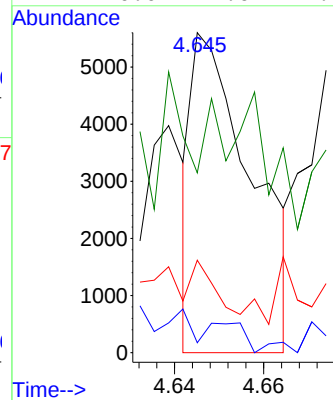
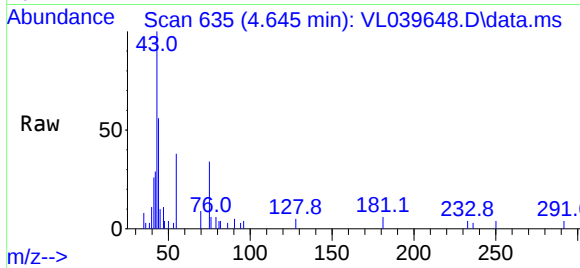
Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.6#

42 23.2 7.7 11.5#

44 0.0 4.6 7.0#



#25

Ethyl Acetate

Concen: 0.089 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.020 min

Lab File: VL039648.D

Acq: 21 Sep 2022 23:37

Tgt Ion: 43 Resp: 23690

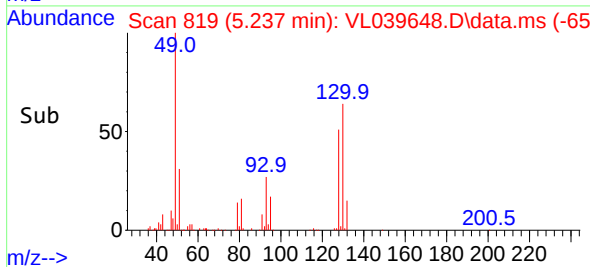
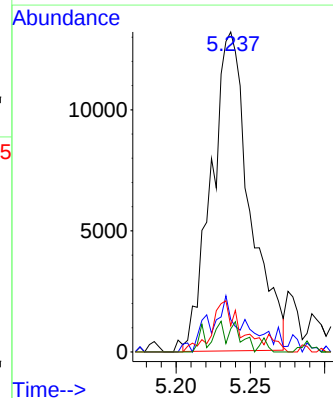
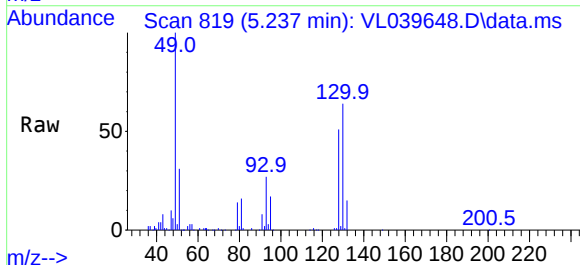
Ion Ratio Lower Upper

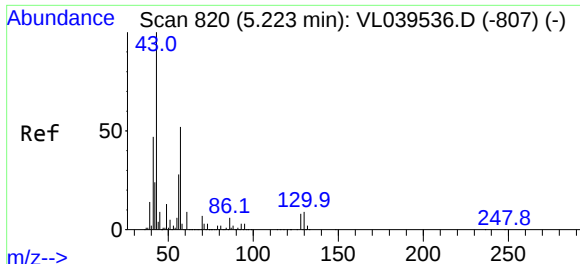
43 100

45 18.6 8.2 12.4#

61 13.3 8.3 12.5#

70 7.7 5.9 8.9



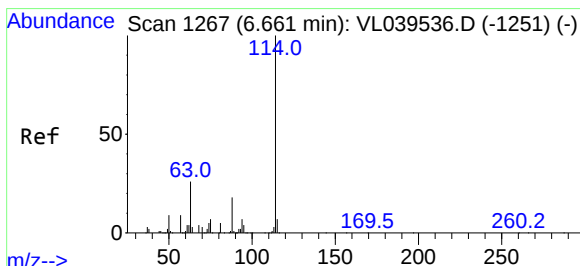
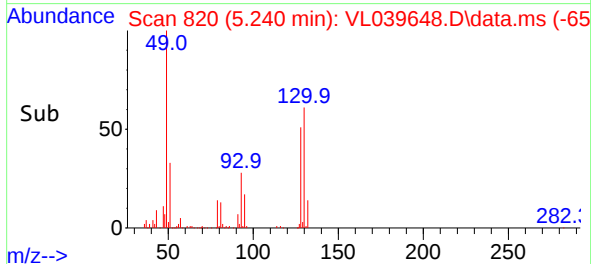
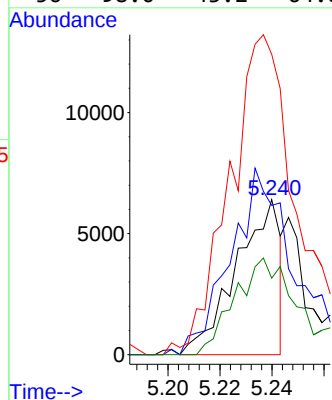
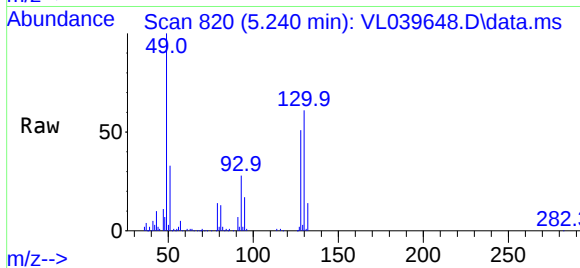


#26
Hexane
Concen: 0.067 ppbv
RT: 5.240 min Scan# 81
Delta R.T. 0.017 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

Instrument :
MSVOA_L
ClientSampleId :
C0PF6DL

Tgt Ion: 57 Resp: 7493

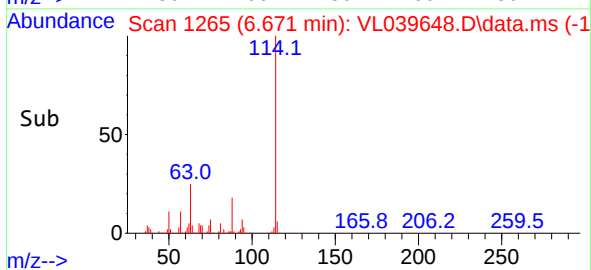
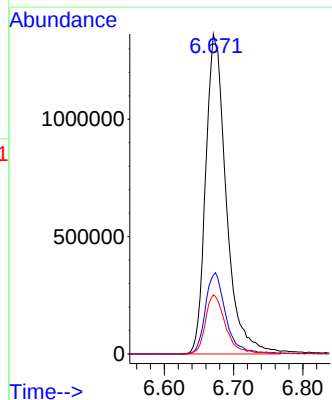
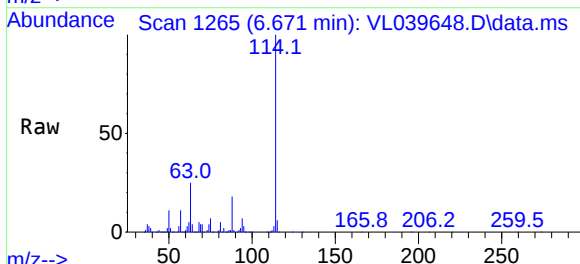
Ion	Ratio	Lower	Upper
57	100		
41	188.0	76.9	115.3#
43	381.9	191.0	286.6#
56	98.0	43.2	64.8#

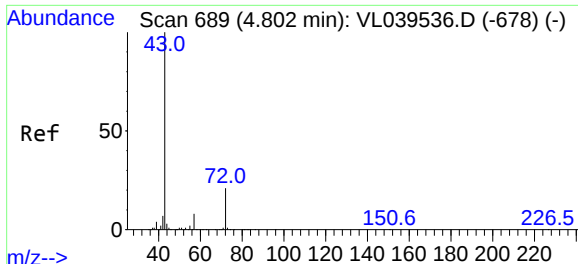


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

Tgt Ion: 114 Resp: 2812926

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.2	30.4
88	18.4	14.5	21.7

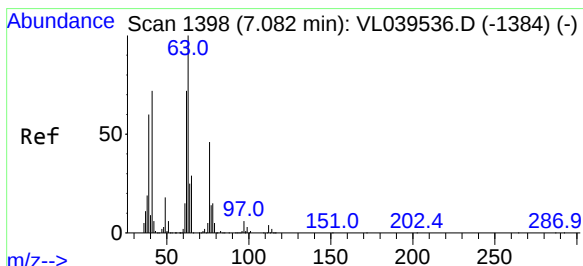
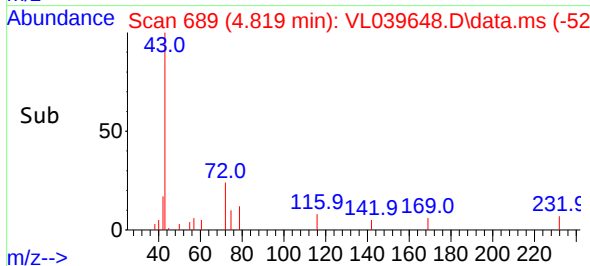
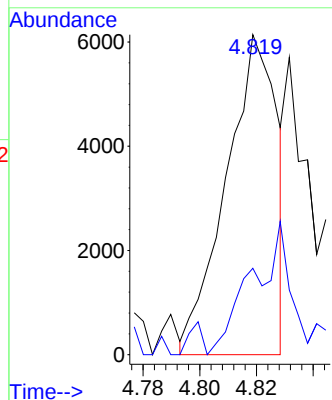
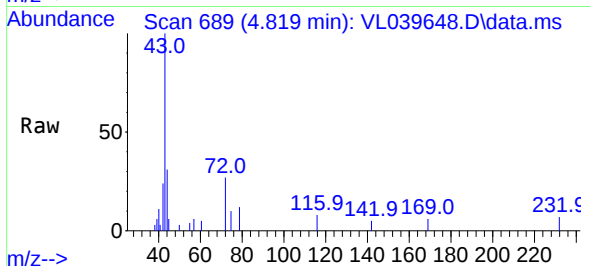




#34
2-Butanone
Concen: 0.055 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.017 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

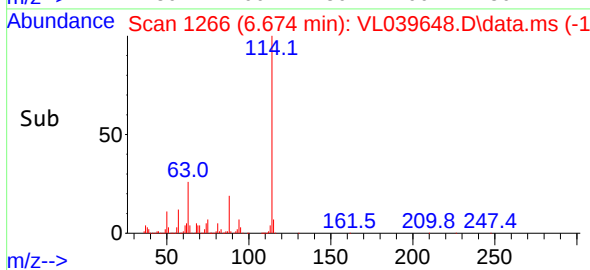
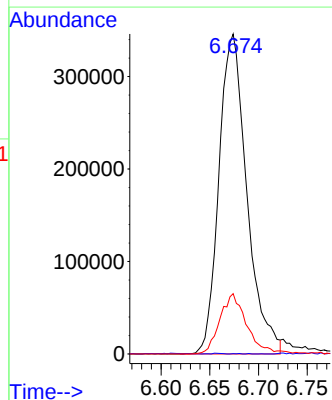
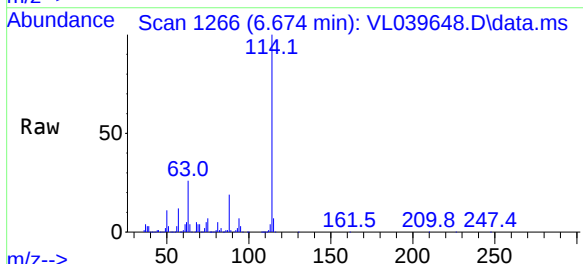
Instrument :
MSVOA_L
ClientSampleId :
C0PF6DL

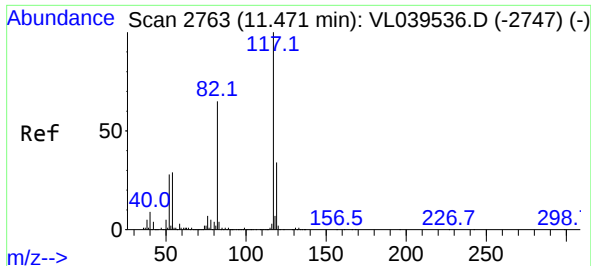
Tgt Ion: 43 Resp: 7590
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#



#39
1,2-Dichloropropane
Concen: 8.296 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.408 min
Lab File: VL039648.D
Acq: 21 Sep 2022 23:37

Tgt Ion: 63 Resp: 688894
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 18.8 51.4 77.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL039648.D

Acq: 21 Sep 2022 23:37

Instrument :

MSVOA_L

ClientSampleId :

C0PF6DL

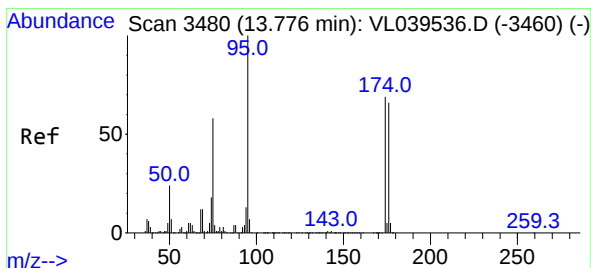
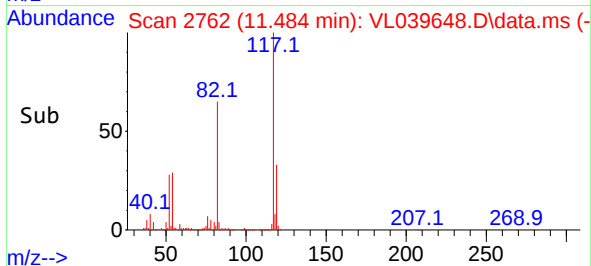
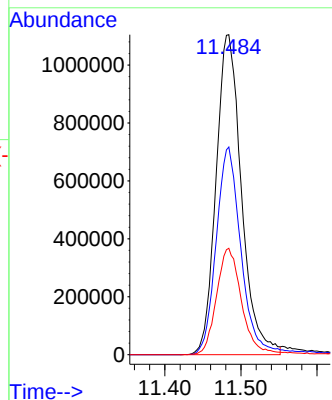
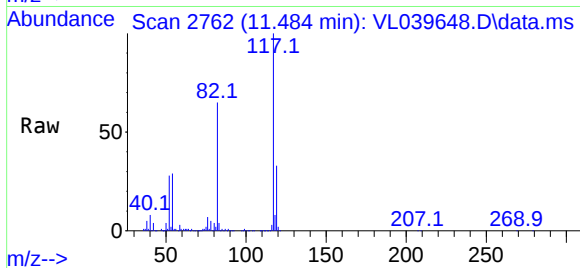
Tgt Ion:117 Resp: 2567052

Ion Ratio Lower Upper

117 100

82 65.0 50.8 76.2

119 33.4 24.1 36.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.876 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.017 min

Lab File: VL039648.D

Acq: 21 Sep 2022 23:37

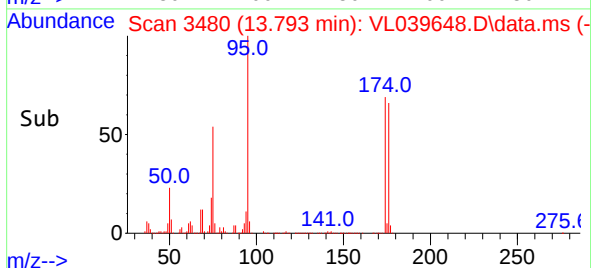
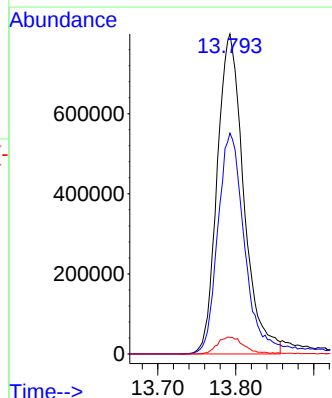
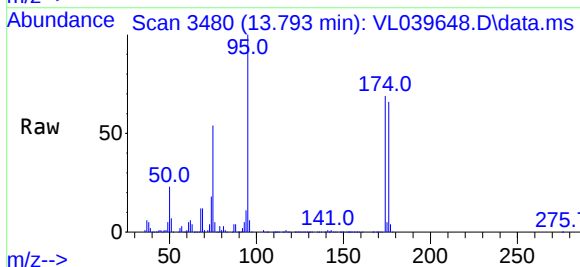
Tgt Ion: 95 Resp: 1892526

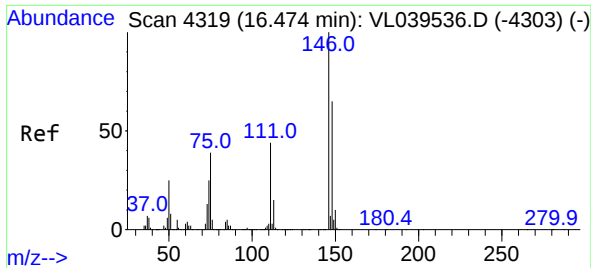
Ion Ratio Lower Upper

95 100

174 73.5 55.9 83.9

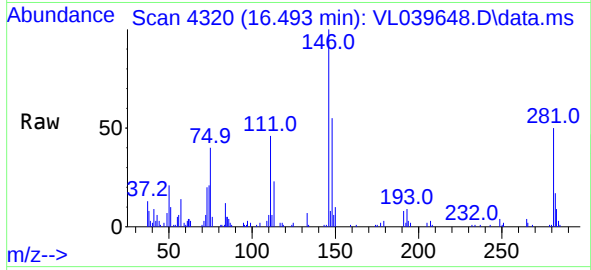
175 5.4 4.2 6.4





#76
 1,4-Dichlorobenzene
 Concen: 0.145 ppbv
 RT: 16.493 min Scan# 41
 Delta R.T. 0.020 min
 Lab File: VL039648.D
 Acq: 21 Sep 2022 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF6DL



Tgt Ion:146 Resp: 25567

Ion	Ratio	Lower	Upper
146	100		
111	117.2	22.9	68.8#
148	176.0	33.6	100.8#

