

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039646.D
 Acq On : 21 Sep 2022 22:18
 Operator : SY/AP
 Sample : N4669-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 22 08:20:59 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)

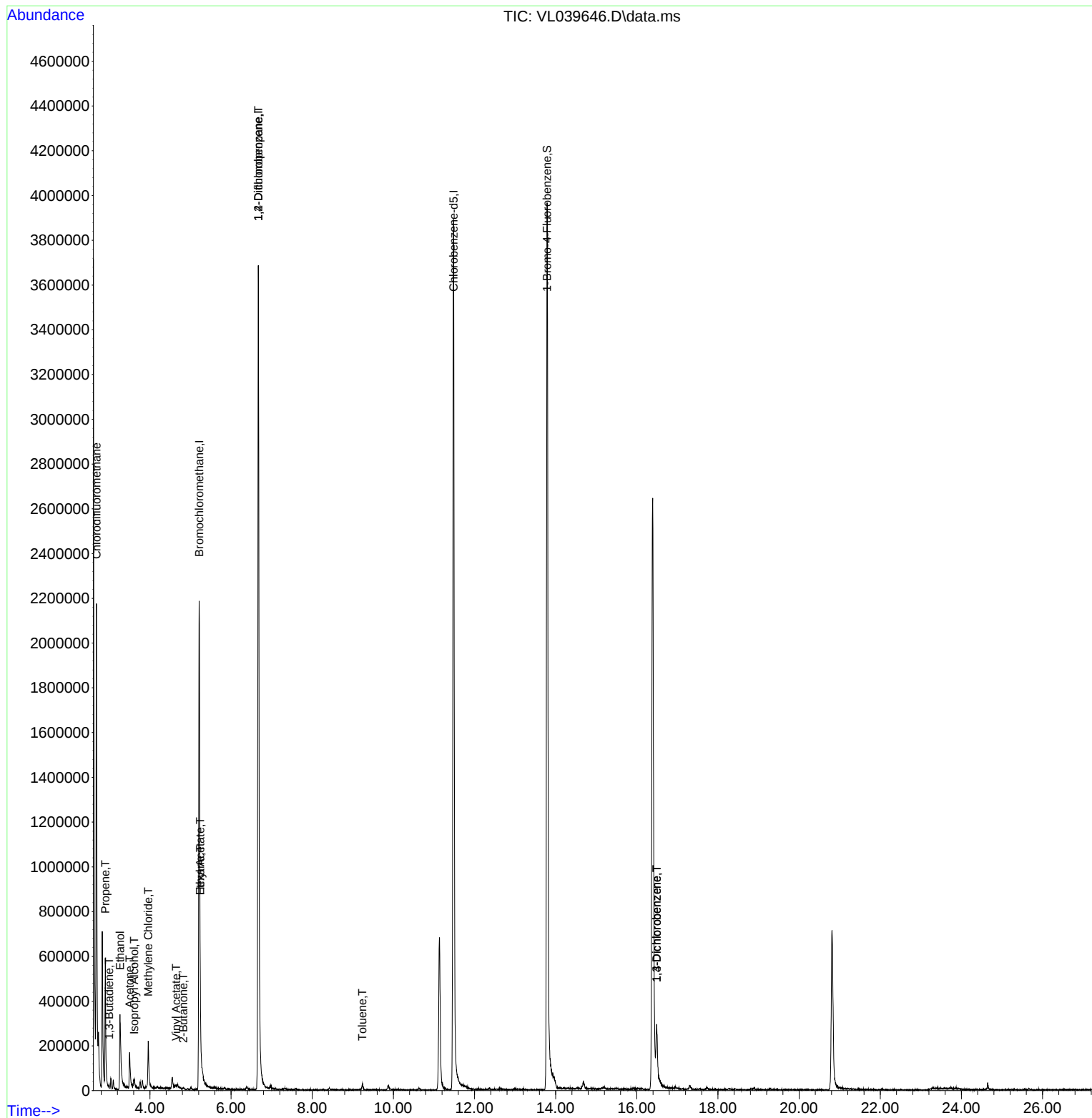
Internal Standards						
1) Bromochloromethane	5.214	49	1120631	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2897298	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2658147	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1951770	9.836	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.681	51	1418399	10.666	ppbv #	57
9) Propene	2.899	41	165008	2.717	ppbv	98
13) Ethanol	3.263	45	415335	89.747	ppbv	68
15) Acetone	3.500	43	170918	1.371	ppbv	93
16) 1,3-Butadiene	2.992	39	4098	0.065	ppbv #	25
19) Isopropyl Alcohol	3.610	45	18637	0.293	ppbv #	79
20) Methylene Chloride	3.957	84	65144	1.130	ppbv	88
23) Vinyl Acetate	4.645	43	3470	0.062	ppbv #	62
25) Ethyl Acetate	5.237	43	30986	0.114	ppbv #	94
26) Hexane	5.237	57	23422	0.203	ppbv #	58
34) 2-Butanone	4.822	43	6966	0.049	ppbv #	68
39) 1,2-Dichloropropane	6.671	63	702835	8.217	ppbv #	24
53) Toluene	9.233	91	8550	0.035	ppbv #	9
75) 1,3-Dichlorobenzene	16.494	146	78881	0.433	ppbv #	44
76) 1,4-Dichlorobenzene	16.494	146	78881	0.433	ppbv #	47

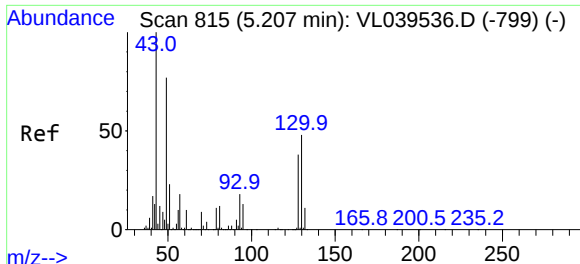
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

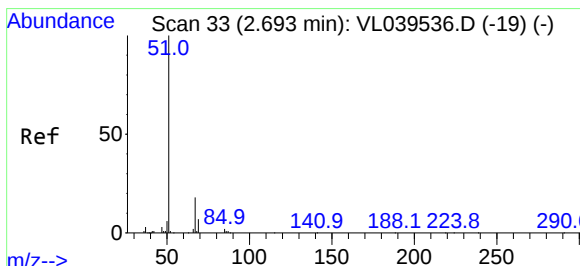
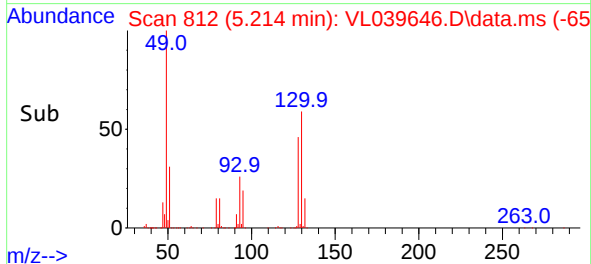
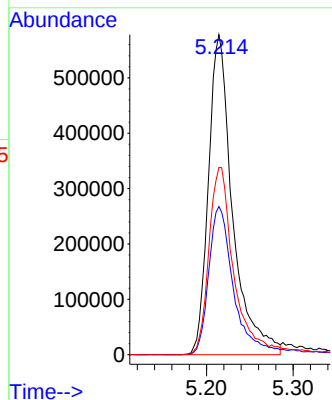
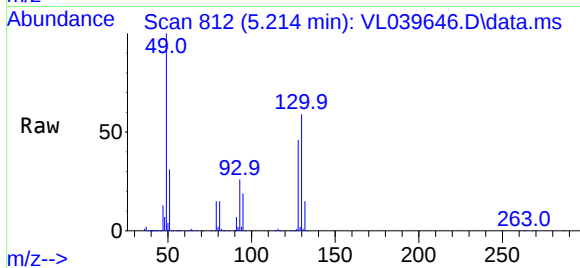




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

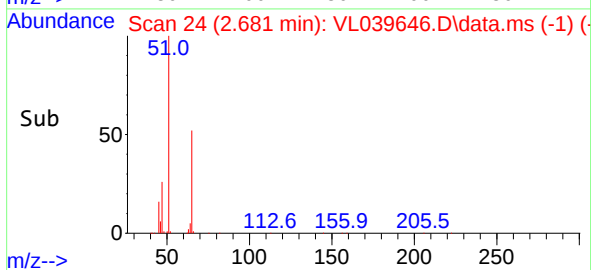
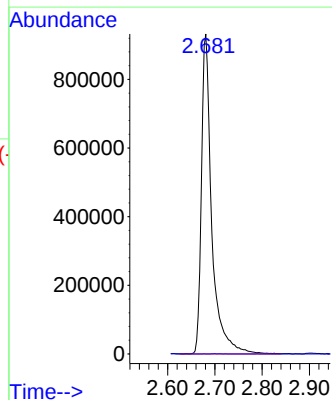
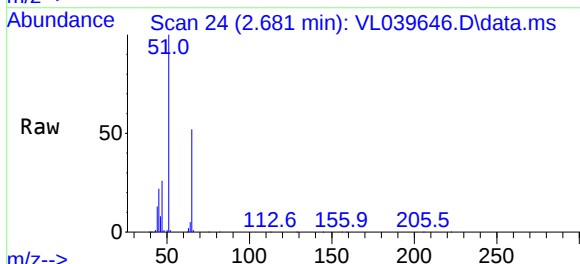
Instrument :
MSVOA_L
ClientSampleId :

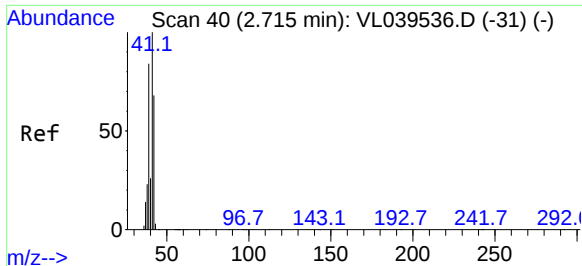
Tgt Ion: 49 Resp: 1120631
Ion Ratio Lower Upper
49 100
128 49.3 26.7 80.0
130 62.8 34.3 102.8



#3
Chlorodifluoromethane
Concen: 10.666 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.012 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

Tgt Ion: 51 Resp: 1418399
Ion Ratio Lower Upper
51 100
67 0.1 15.7 23.5#

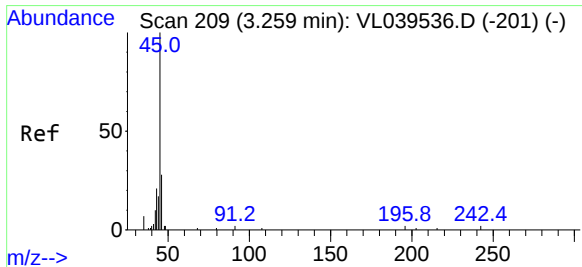
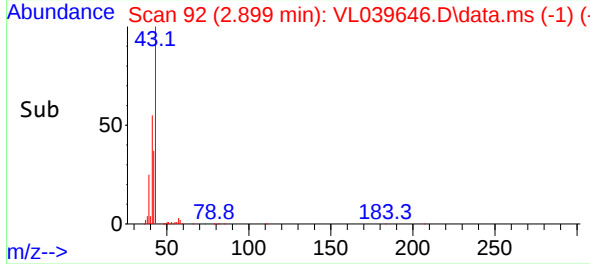
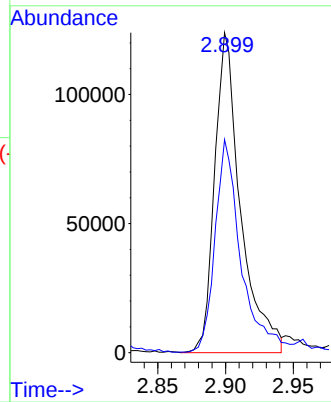
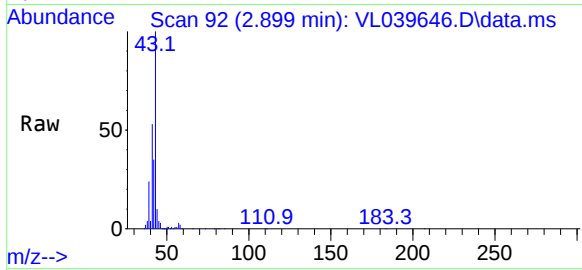




#9
 Propene
 Concen: 2.717 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.184 min
 Lab File: VL039646.D
 Acq: 21 Sep 2022 22:18

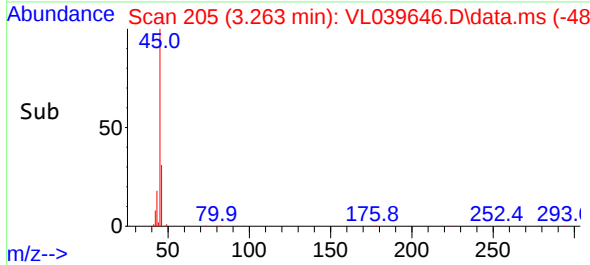
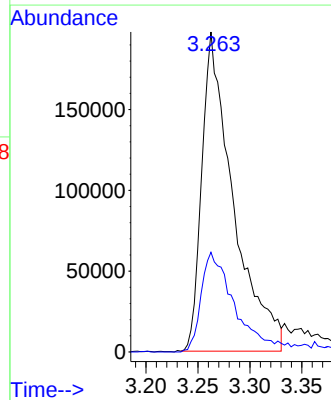
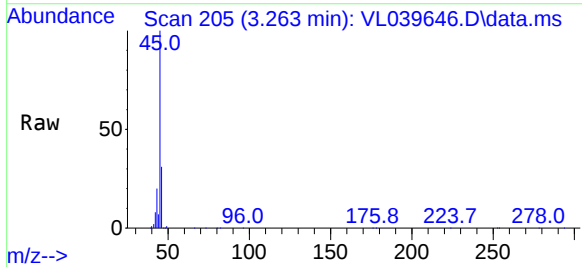
Instrument :
 MSVOA_L
 ClientSampleId :

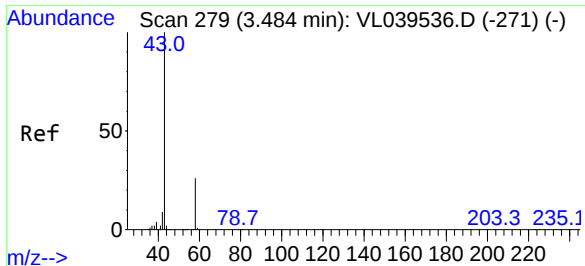
Tgt Ion: 41 Resp: 165008
 Ion Ratio Lower Upper
 41 100
 42 70.3 55.2 82.8



#13
 Ethanol
 Concen: 89.747 ppbv
 RT: 3.263 min Scan# 205
 Delta R.T. 0.004 min
 Lab File: VL039646.D
 Acq: 21 Sep 2022 22:18

Tgt Ion: 45 Resp: 415335
 Ion Ratio Lower Upper
 45 100
 46 33.3 22.8 91.2

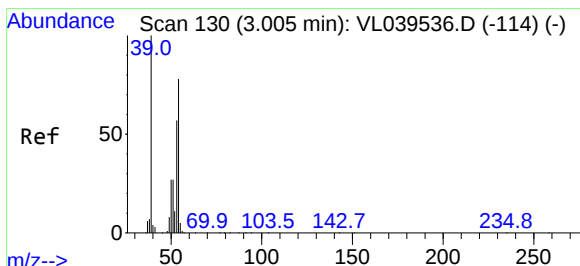
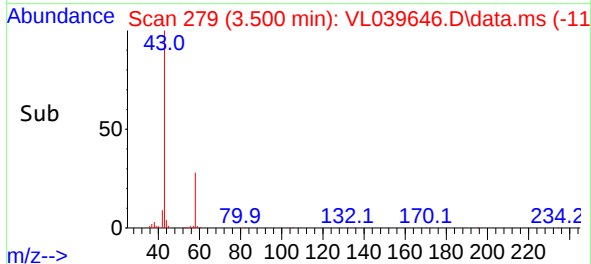
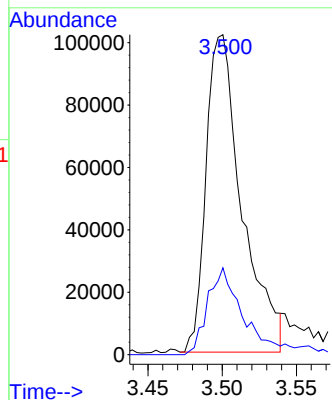
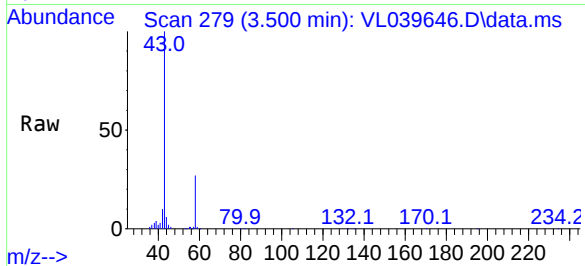




#15
Acetone
Concen: 1.371 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

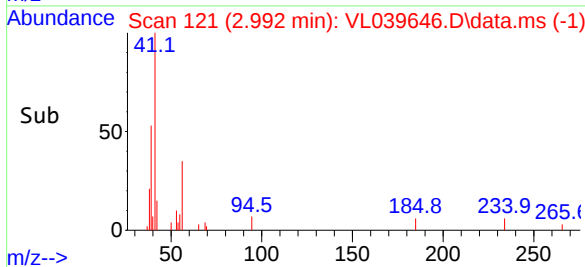
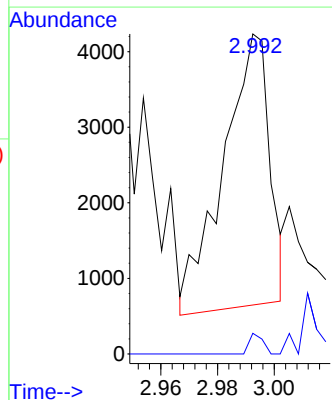
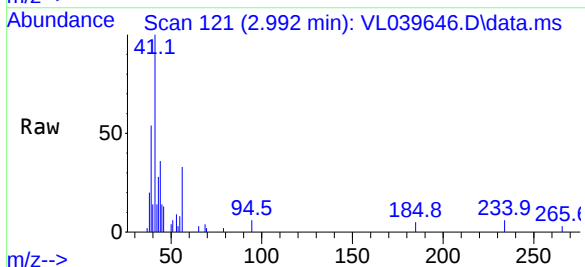
Instrument :
MSVOA_L
ClientSampleId :

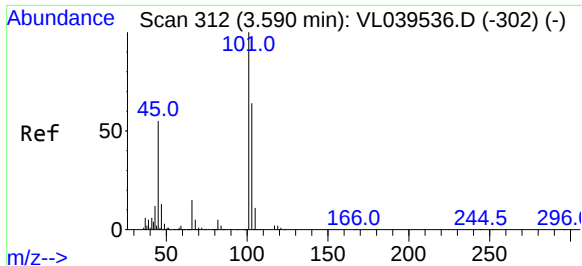
Tgt Ion: 43 Resp: 170918
Ion Ratio Lower Upper
43 100
58 29.8 21.0 31.6



#16
1,3-Butadiene
Concen: 0.065 ppbv
RT: 2.992 min Scan# 121
Delta R.T. -0.012 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

Tgt Ion: 39 Resp: 4098
Ion Ratio Lower Upper
39 100
54 13.6 63.7 95.5#





#19

Isopropyl Alcohol

Concen: 0.293 ppbv

RT: 3.610 min Scan# 312

Delta R.T. 0.020 min

Lab File: VL039646.D

Acq: 21 Sep 2022 22:18

Instrument :

MSVOA_L

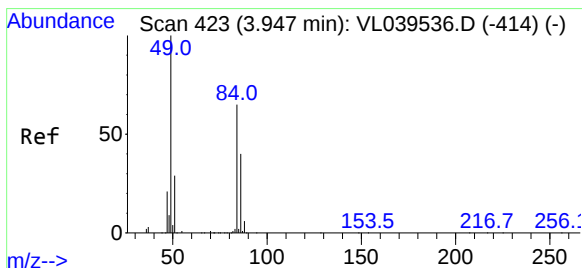
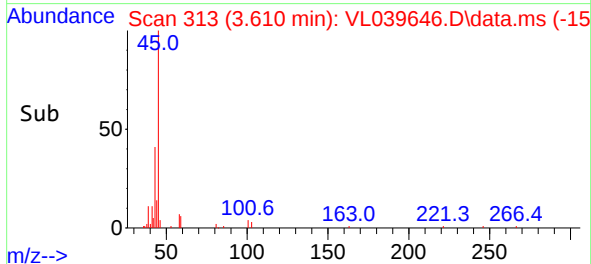
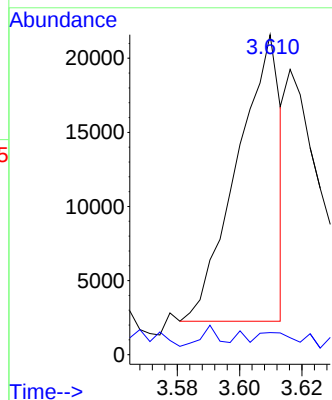
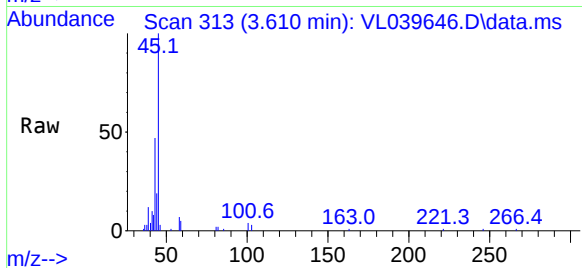
ClientSampleId :

Tgt Ion: 45 Resp: 18637

Ion Ratio Lower Upper

45 100

58 11.1 3.2 4.8#



#20

Methylene Chloride

Concen: 1.130 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL039646.D

Acq: 21 Sep 2022 22:18

Tgt Ion: 84 Resp: 65144

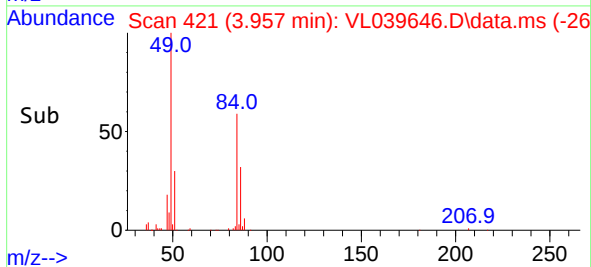
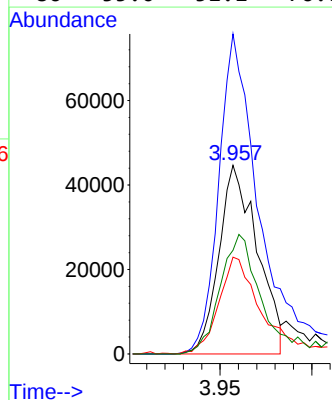
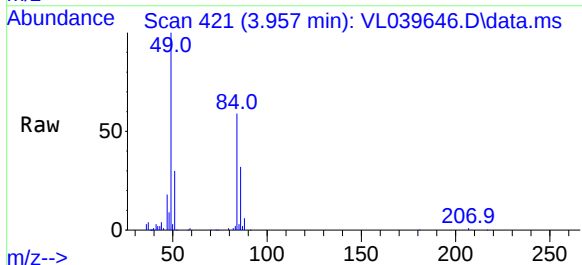
Ion Ratio Lower Upper

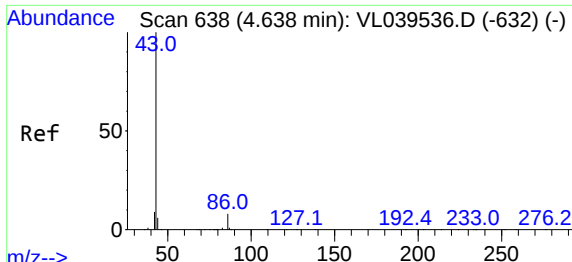
84 100

49 169.2 123.1 184.7

51 51.0 34.4 51.6

86 55.0 51.1 76.7





#23

Vinyl Acetate

Concen: 0.062 ppbv

RT: 4.645 min Scan# 61

Delta R.T. 0.007 min

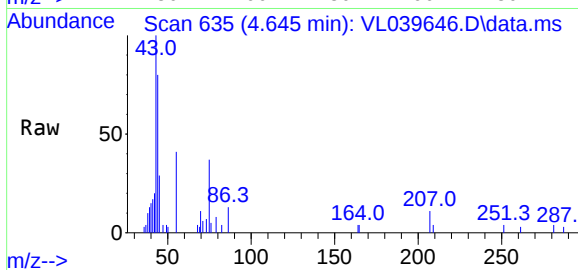
Lab File: VL039646.D

Acq: 21 Sep 2022 22:18

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 3470

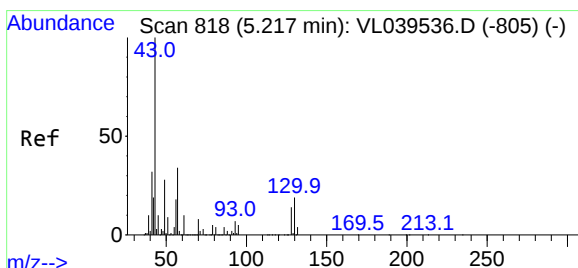
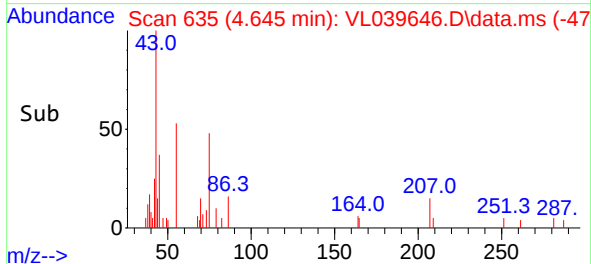
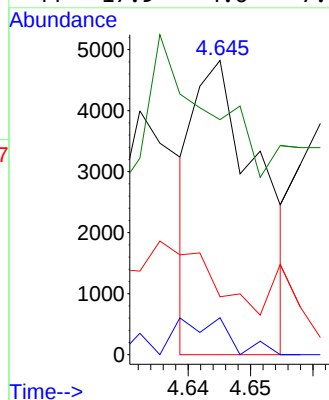
Ion	Ratio	Lower	Upper
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43	100		
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86	25.6	5.0	7.6#
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42	0.0	7.7	11.5#
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44	17.9	4.6	7.0#
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#25

Ethyl Acetate

Concen: 0.114 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.020 min

Lab File: VL039646.D

Acq: 21 Sep 2022 22:18

Tgt Ion: 43 Resp: 30986

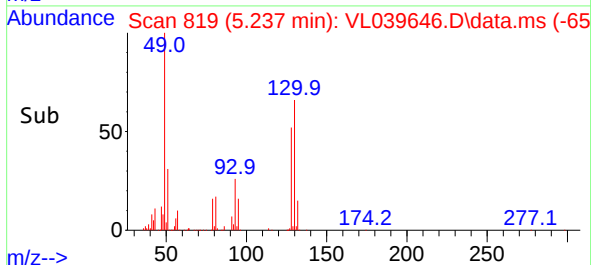
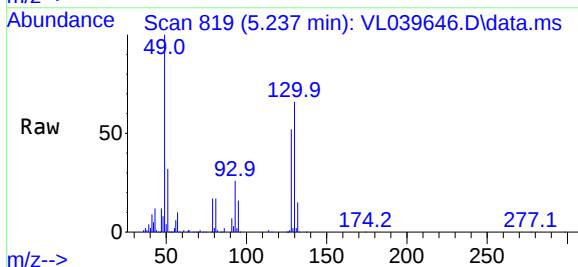
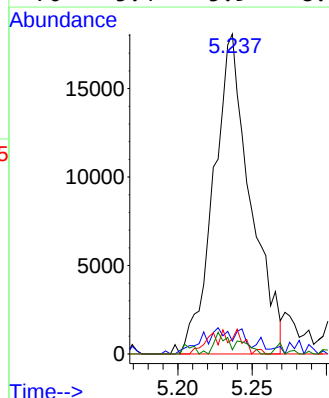
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

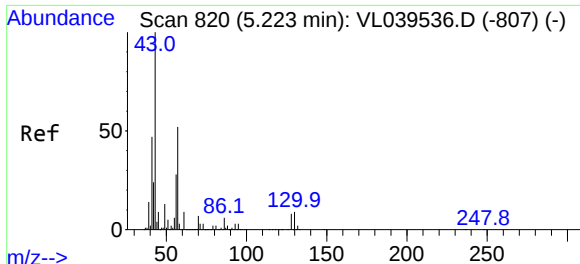
43	100		
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45	10.1	8.2	12.4
----	------	-----	------

61	6.2	8.3	12.5#
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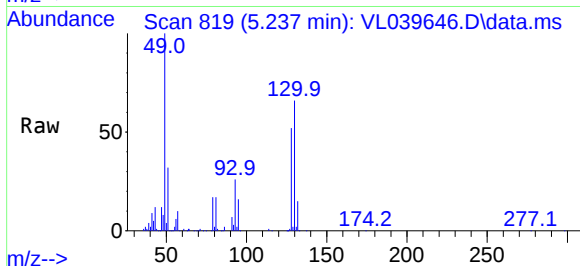
70	5.4	5.9	8.9#
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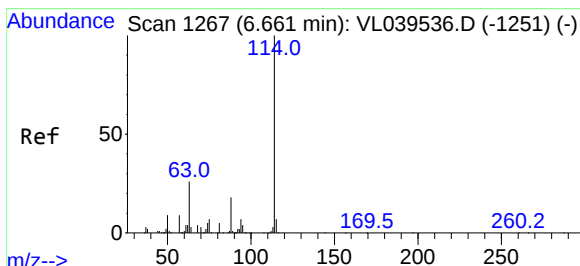
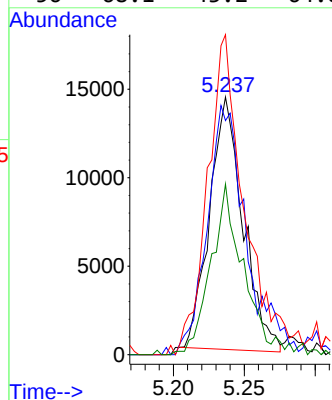
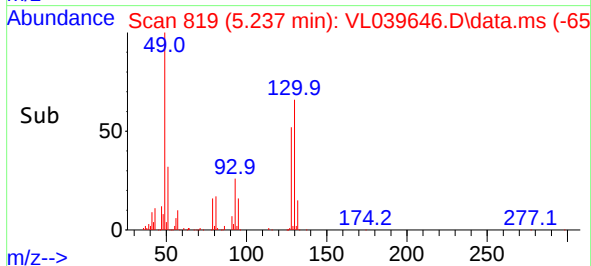


#26
Hexane
Concen: 0.203 ppbv
RT: 5.237 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

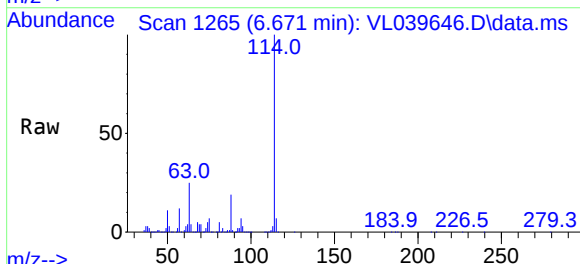
Instrument :
MSVOA_L
ClientSampleId :



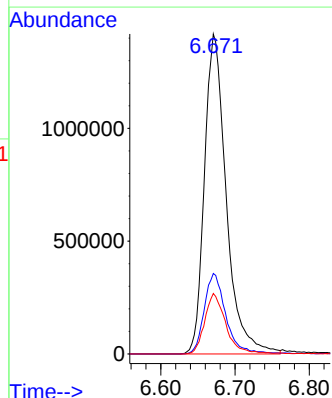
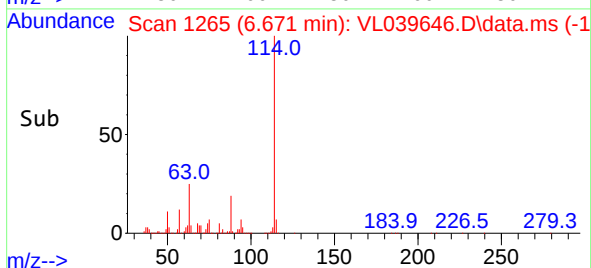
Tgt Ion:	57	Resp:	23422
Ion	Ratio	Lower	Upper
57	100		
41	120.3	76.9	115.3#
43	146.3	191.0	286.6#
56	68.1	43.2	64.8#

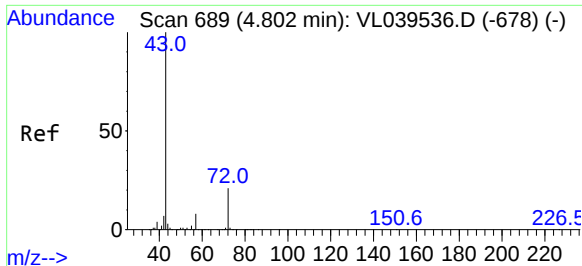


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18



Tgt Ion:	114	Resp:	2897298
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.4	14.5	21.7

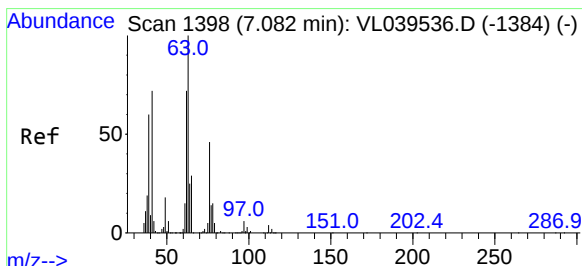
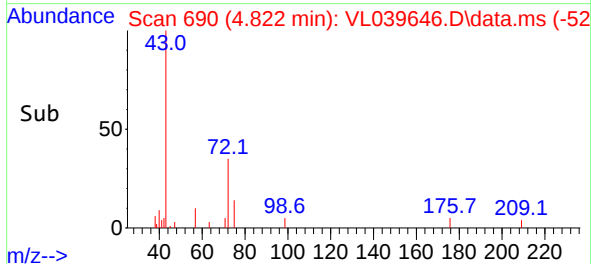
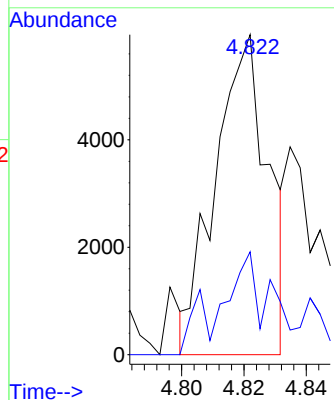
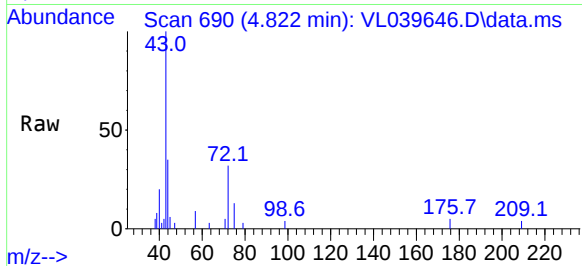




#34
2-Butanone
Concen: 0.049 ppbv
RT: 4.822 min Scan# 61
Delta R.T. 0.020 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

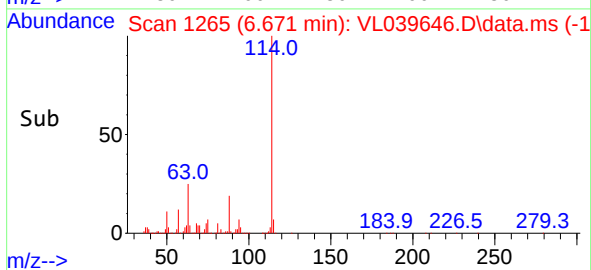
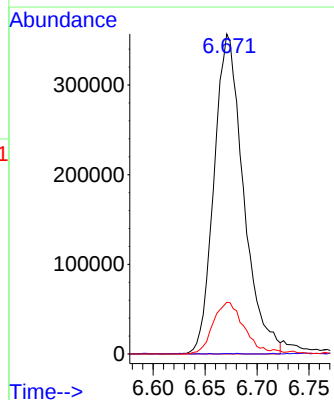
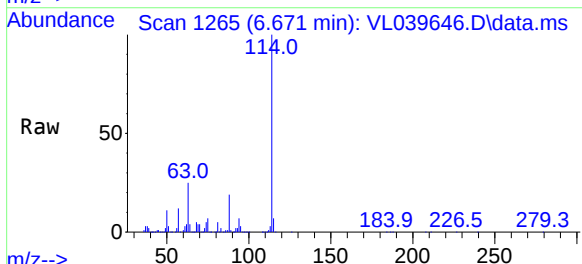
Instrument :
MSVOA_L
ClientSampleId :

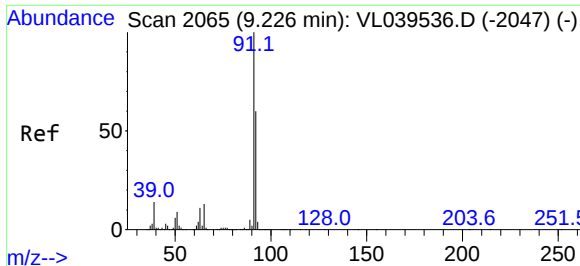
Tgt Ion: 43 Resp: 6966
Ion Ratio Lower Upper
43 100
72 37.8 17.9 26.9#



#39
1,2-Dichloropropane
Concen: 8.217 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.411 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

Tgt Ion: 63 Resp: 702835
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 16.1 51.4 77.0#

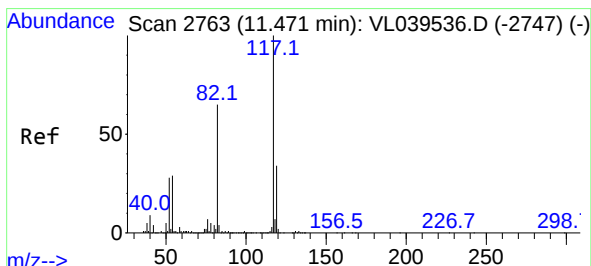
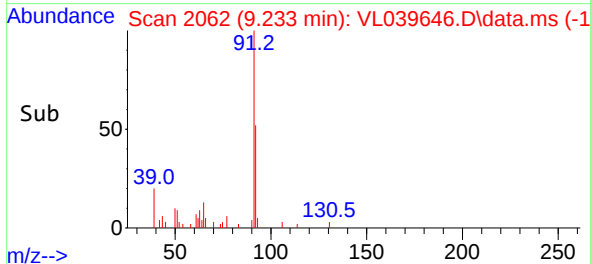
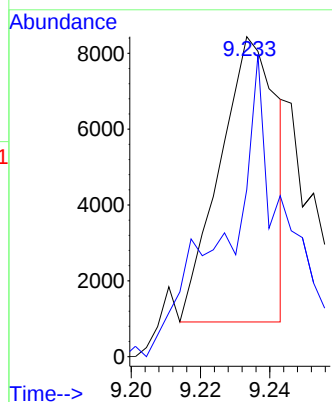
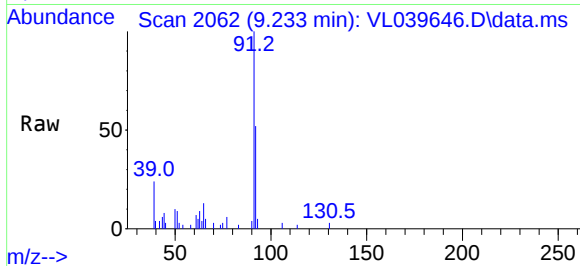




#53
Toluene
Concen: 0.035 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

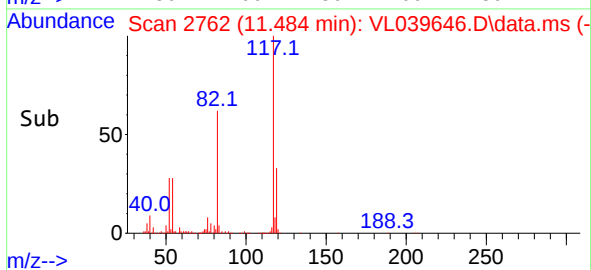
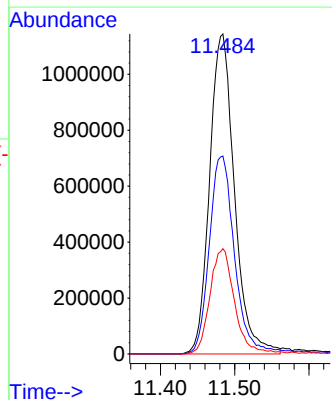
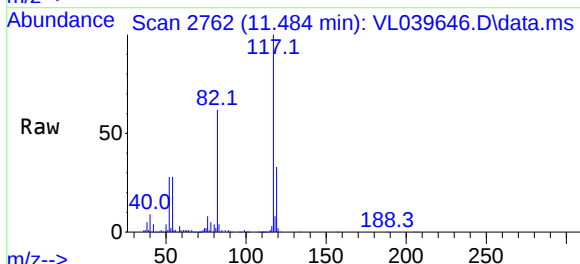
Instrument :
MSVOA_L
ClientSampleId :

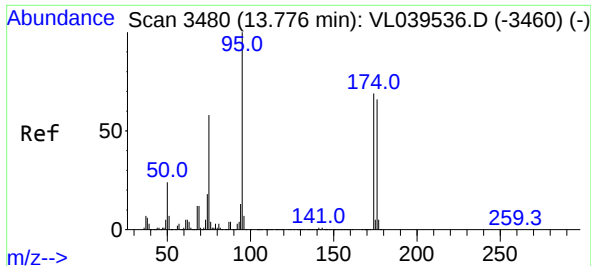
Tgt Ion: 91 Resp: 8550
Ion Ratio Lower Upper
91 100
92 129.0 48.2 72.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.013 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

Tgt Ion: 117 Resp: 2658147
Ion Ratio Lower Upper
117 100
82 64.3 50.8 76.2
119 32.8 24.1 36.1

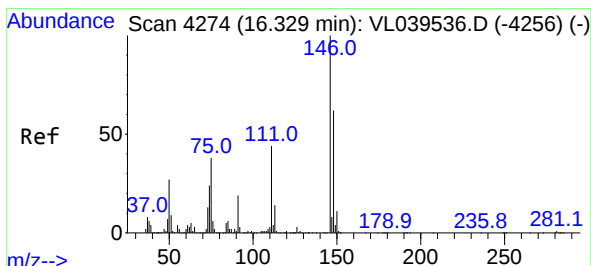
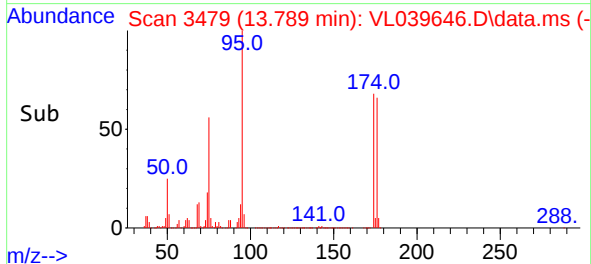
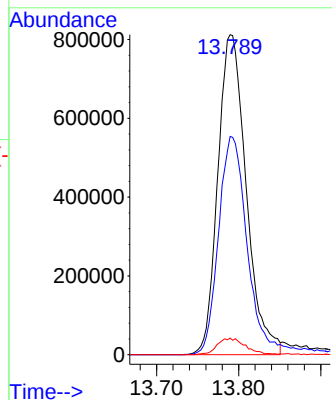
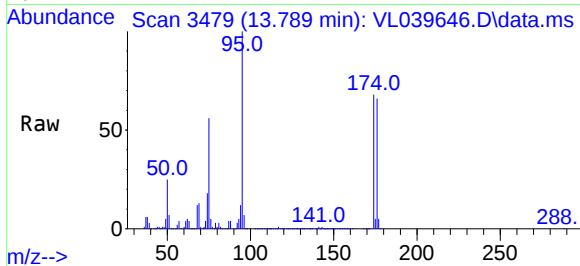




#68
1-Bromo-4-Fluorobenzene
Concen: 9.836 ppbv
RT: 13.789 min Scan# 34
Delta R.T. 0.013 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

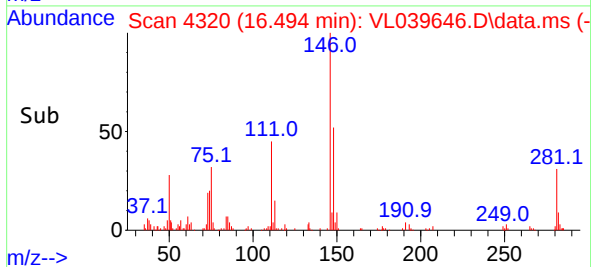
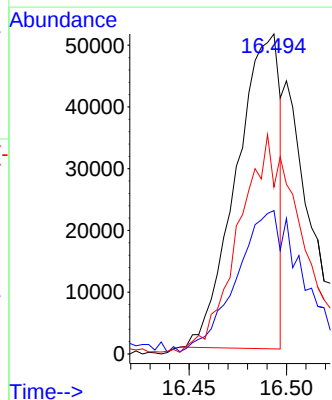
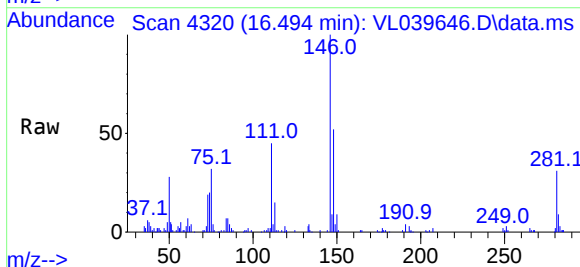
Instrument :
MSVOA_L
ClientSampleId :

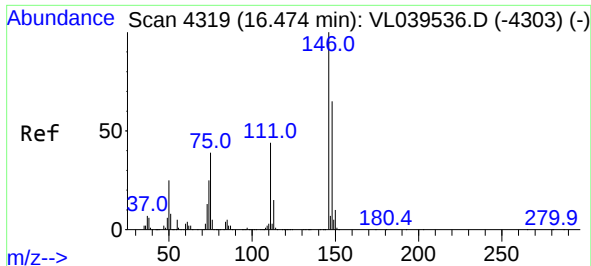
Tgt Ion: 95 Resp: 1951770
Ion Ratio Lower Upper
95 100
174 70.7 55.9 83.9
175 5.1 4.2 6.4



#75
1,3-Dichlorobenzene
Concen: 0.433 ppbv
RT: 16.494 min Scan# 4320
Delta R.T. 0.165 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

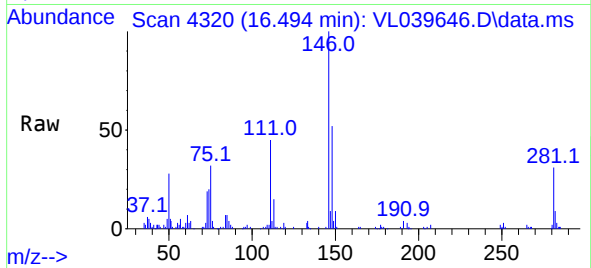
Tgt Ion:146 Resp: 78881
Ion Ratio Lower Upper
146 100
111 76.1 22.9 68.7#
148 113.6 32.1 96.5#





#76
1,4-Dichlorobenzene
Concen: 0.433 ppbv
RT: 16.494 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL039646.D
Acq: 21 Sep 2022 22:18

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:146 Resp: 78881
Ion Ratio Lower Upper
146 100
111 76.1 22.9 68.8#
148 113.6 33.6 100.8#

