

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039643.D
 Acq On : 21 Sep 2022 20:19
 Operator : SY/AP
 Sample : N4669-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF4

Quant Time: Sep 22 08:19:20 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	1084330	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2785494	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2485865	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.790	95	1901179	10.245	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.755	85	23353	0.186	ppbv	97
3) Chlorodifluoromethane	2.678	51	86280	0.671	ppbv #	70
4) Chloromethane	2.841	50	38744	0.499	ppbv	95
9) Propene	2.899	41	145222	2.471	ppbv	86
10) Heptane	7.594	43	147605	1.076	ppbv	99
11) Trichlorofluoromethane	3.594	101	30315	0.195	ppbv #	72
12) 1,1,2-Trichlorotrifluo...	4.086	101	3559	0.030	ppbv #	13
13) Ethanol	3.266	45	539207	120.415	ppbv	72
15) Acetone	3.488	43	9530834	78.990	ppbv	92
16) 1,3-Butadiene	2.993	39	36775	0.601	ppbv #	19
17) tert-Butyl alcohol	3.903	59	3672258	33.914	ppbv	99
19) Isopropyl Alcohol	3.603	45	573128	9.318	ppbv #	88
20) Methylene Chloride	3.960	84	187039	3.353	ppbv	98
21) Allyl Chloride	4.131	41	100503	1.223	ppbv #	70
23) Vinyl Acetate	4.629	43	221482	4.061	ppbv #	11
25) Ethyl Acetate	5.234	43	345108	1.312	ppbv #	91
26) Hexane	5.237	57	329960	2.955	ppbv #	54
27) Carbon Disulfide	4.153	76	5128	0.044	ppbv #	1
28) Methyl tert-Butyl Ether	4.613	73	30723	0.328	ppbv #	68
29) Chloroform	5.298	83	136676	0.848	ppbv	91
30) Cyclohexane	6.610	84	4950	0.057	ppbv #	1
34) 2-Butanone	4.806	43	2688265	19.648	ppbv	98
35) Carbon Tetrachloride	6.513	117	9242	0.063	ppbv #	63
36) Benzene	6.391	78	65567	0.308	ppbv #	82
37) 1,2-Dichloroethane	5.825	62	13452	0.116	ppbv #	85
39) 1,2-Dichloropropane	6.674	63	662749	8.059	ppbv #	26
41) Tetrahydrofuran	5.591	42	92694	1.104	ppbv #	51
42) Bromodichloromethane	7.266	83	11240	0.070	ppbv #	80
43) Methyl Methacrylate	7.494	69	80071	1.031	ppbv	91
44) 2,2,4-Trimethylpentane	7.349	57	48201	0.131	ppbv #	52
50) 4-Methyl-2-Pentanone	8.198	43	80894	0.376	ppbv #	81
51) 2-Hexanone	9.549	43	2056483	12.922	ppbv #	31
52) Tetrachloroethene	10.639	164	2444	0.030	ppbv #	80
53) Toluene	9.240	91	1068629	4.512	ppbv	100
58) Ethyl Benzene	12.105	91	91039	0.318	ppbv	99
59) m/p-Xylene	12.359	91	302520	1.186	ppbv	92
60) o-Xylene	13.073	91	97548	0.400	ppbv	97
61) Styrene	12.912	104	5267	0.040	ppbv #	1
64) n-propylbenzene	14.931	120	9138	0.097	ppbv	68
69) p-Isopropyltoluene	17.018	119	15480	0.041	ppbv #	26
71) 2-Chlorotoluene	14.931	91	40462	0.153	ppbv #	43
72) 4-Ethyltoluene	15.214	105	12482	0.045	ppbv #	34
74) 1,2,4-Trimethylbenzene	16.124	105	56726	0.199	ppbv #	64

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C0PF4

Quant Time: Sep 22 08:19:20 2022
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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

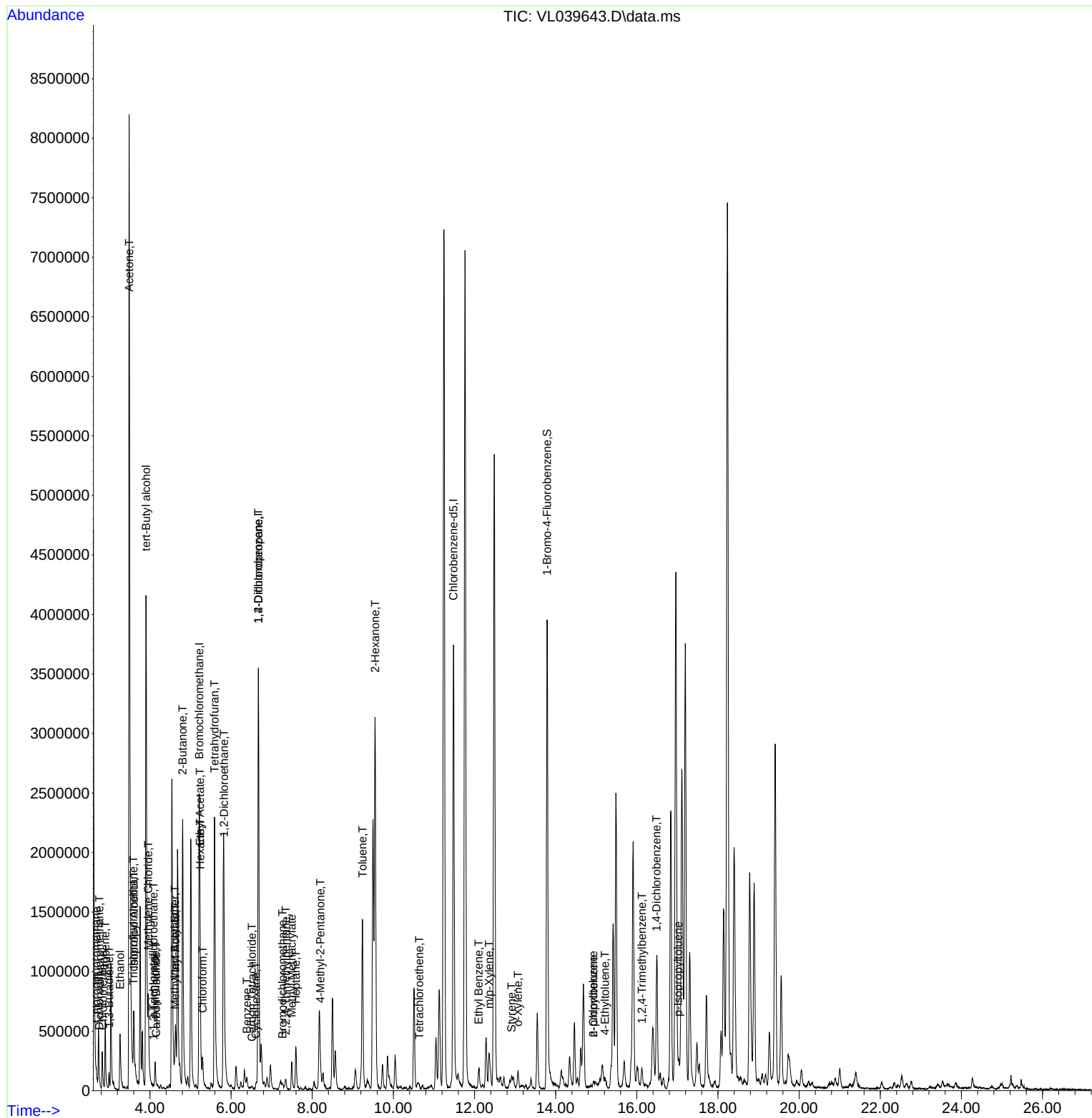
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-Dichlorobenzene	16.484	146	11969	0.070	ppbv	# 1

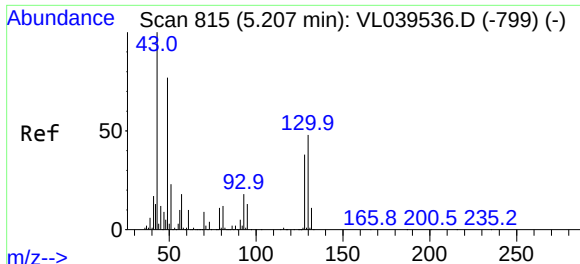
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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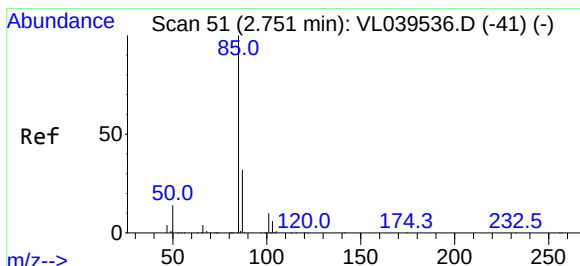
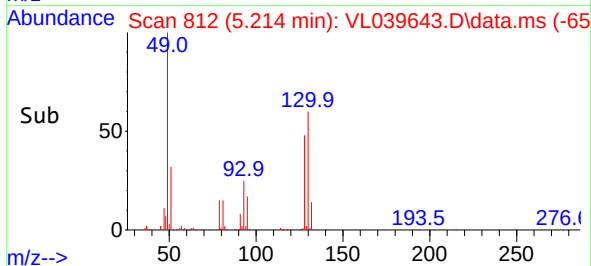
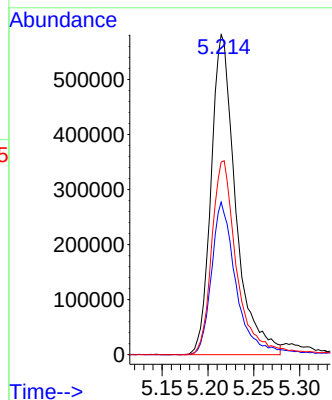
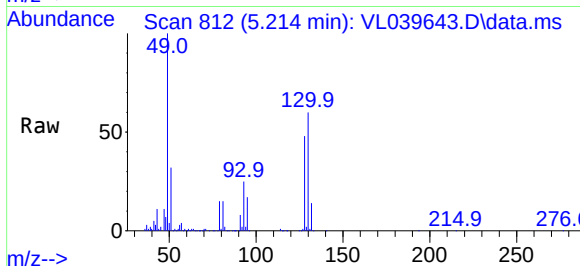




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

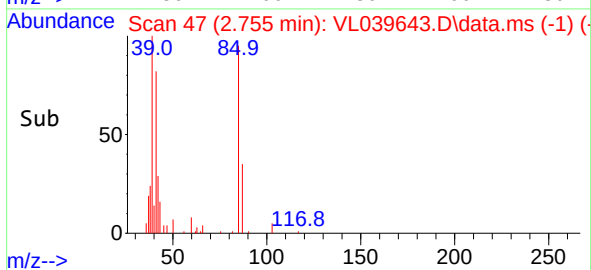
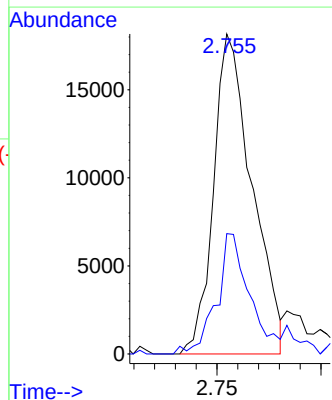
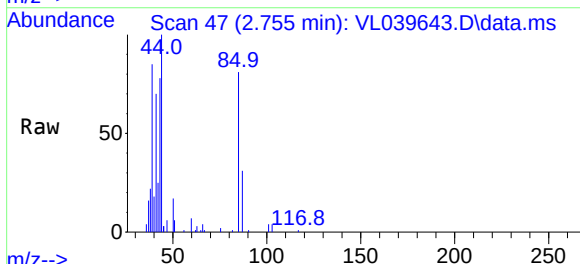
Instrument :
MSVOA_L
ClientSampleId :
COPF4

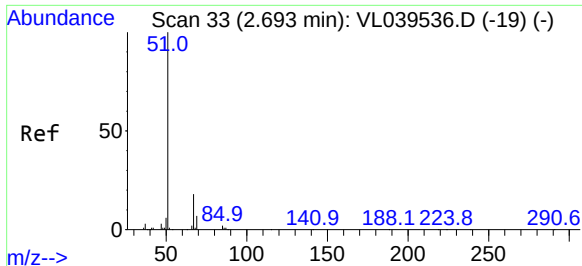
Tgt Ion: 49 Resp: 1084330
Ion Ratio Lower Upper
49 100
128 48.2 26.7 80.0
130 63.3 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.186 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 85 Resp: 23353
Ion Ratio Lower Upper
85 100
87 35.2 26.7 40.1

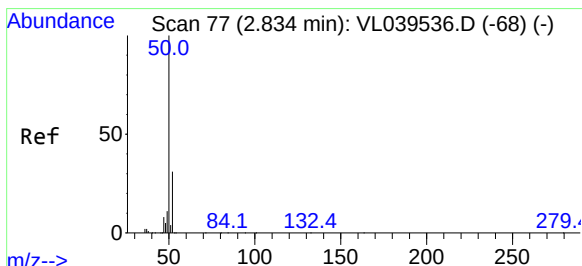
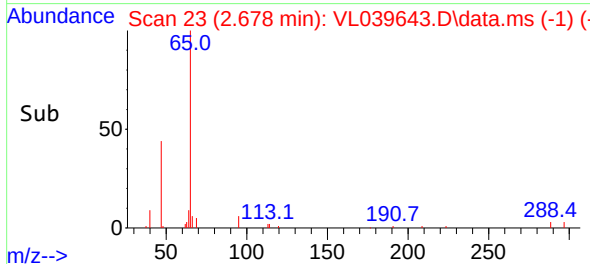
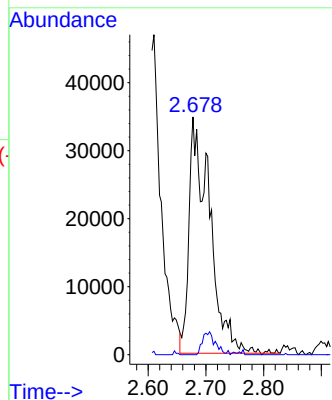
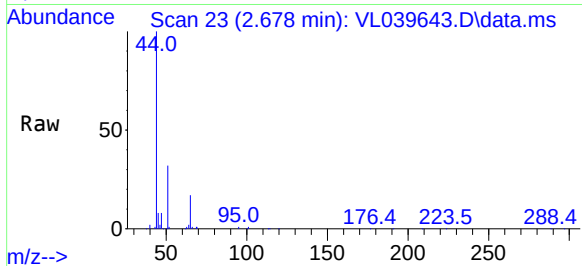




#3
Chlorodifluoromethane
Concen: 0.671 ppbv
RT: 2.678 min Scan# 21
Delta R.T. -0.015 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

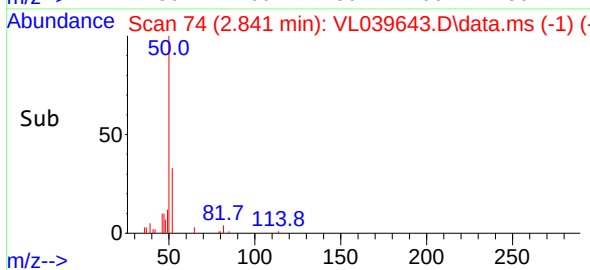
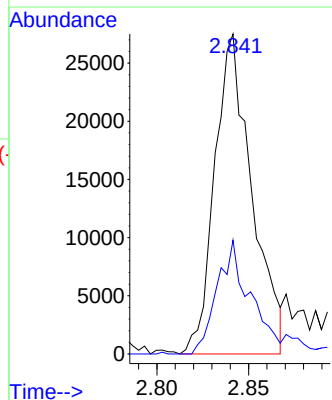
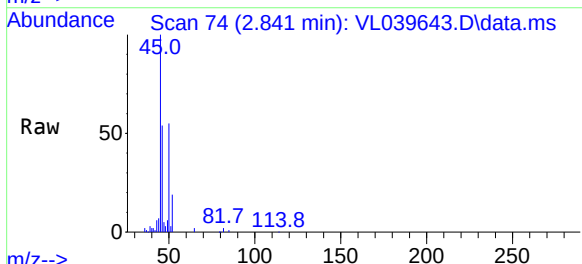
Instrument :
MSVOA_L
ClientSampleId :
COPF4

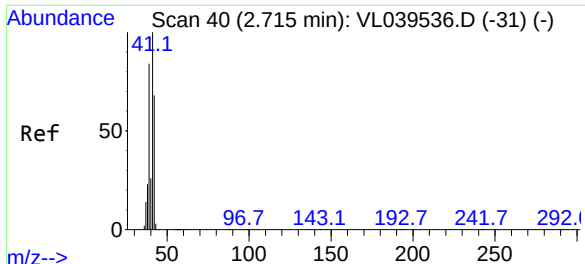
Tgt Ion: 51 Resp: 86280
Ion Ratio Lower Upper
51 100
67 6.1 15.7 23.5#



#4
Chloromethane
Concen: 0.499 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 50 Resp: 38744
Ion Ratio Lower Upper
50 100
52 35.8 26.5 39.7

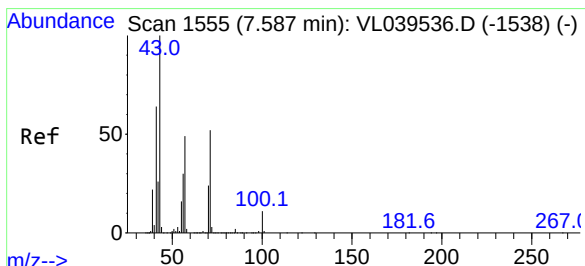
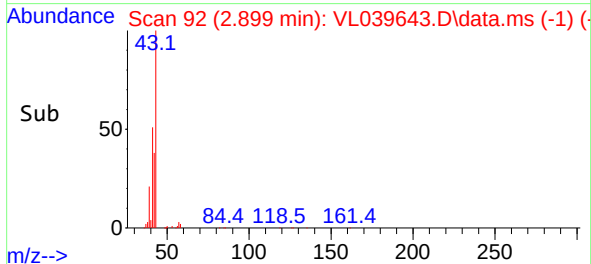
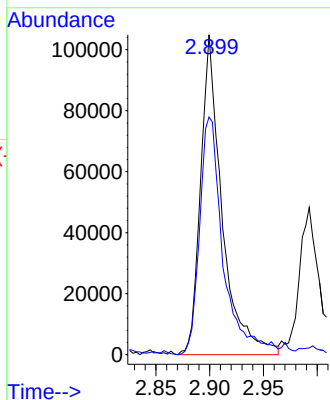
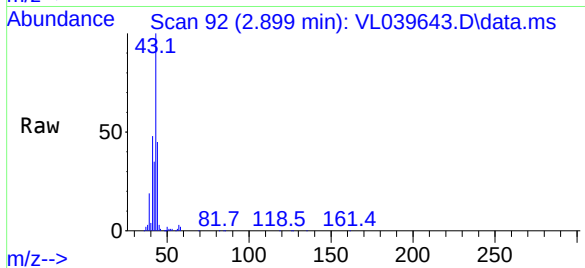




#9
Propene
Concen: 2.471 ppbv
RT: 2.899 min Scan# 91
Delta R.T. 0.184 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

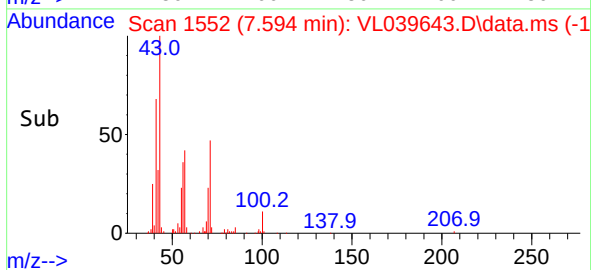
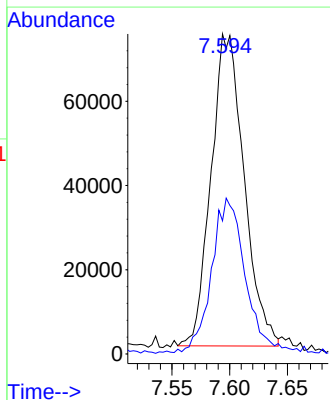
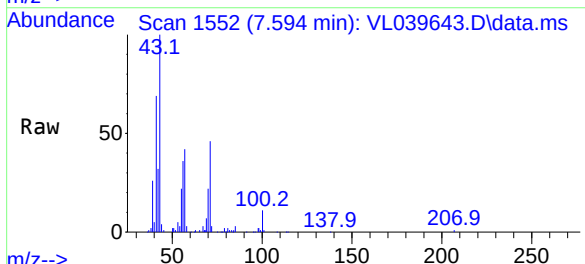
Instrument :
MSVOA_L
ClientSampleId :
COPF4

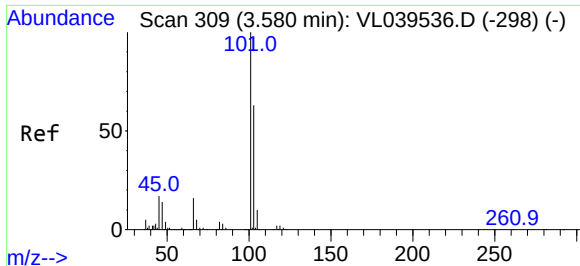
Tgt Ion: 41 Resp: 145222
Ion Ratio Lower Upper
41 100
42 80.6 55.2 82.8



#10
Heptane
Concen: 1.076 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.007 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 43 Resp: 147605
Ion Ratio Lower Upper
43 100
57 51.3 40.5 60.7

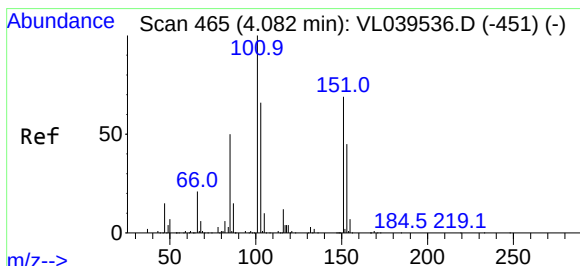
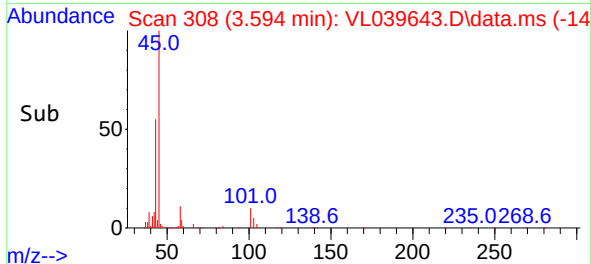
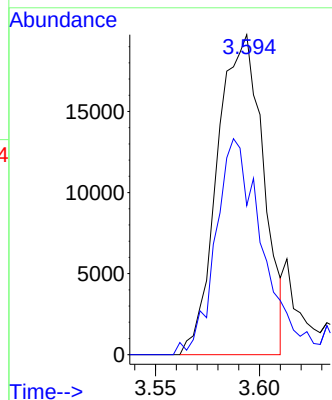
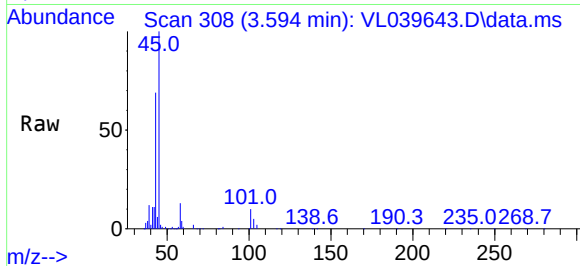




#11
Trichlorofluoromethane
Concen: 0.195 ppbv
RT: 3.594 min Scan# 309
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

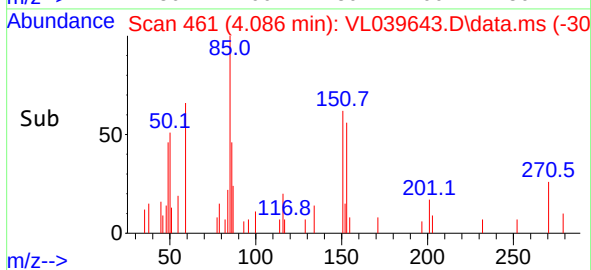
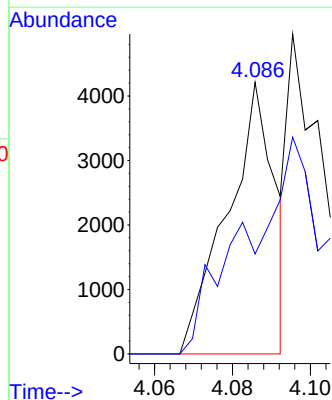
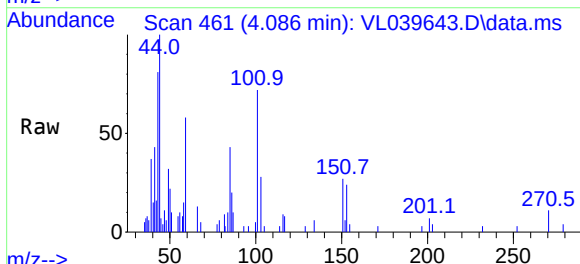
Instrument :
MSVOA_L
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COPF4

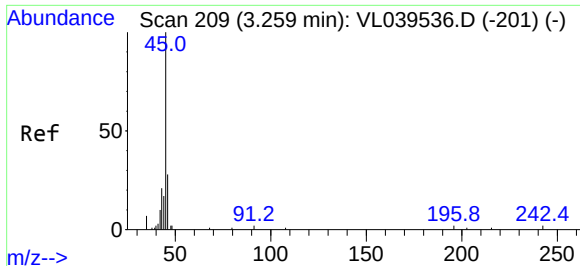
Tgt Ion:101 Resp: 30315
Ion Ratio Lower Upper
101 100
103 42.8 51.8 77.8#



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.030 ppbv
RT: 4.086 min Scan# 461
Delta R.T. 0.004 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion:101 Resp: 3559
Ion Ratio Lower Upper
101 100
151 0.0 58.9 88.3#

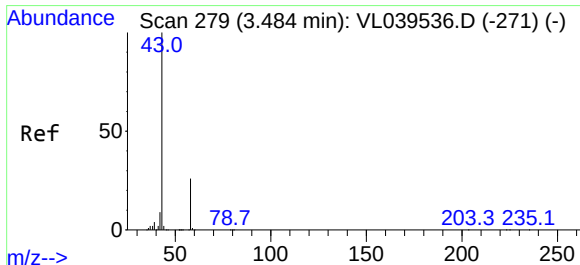
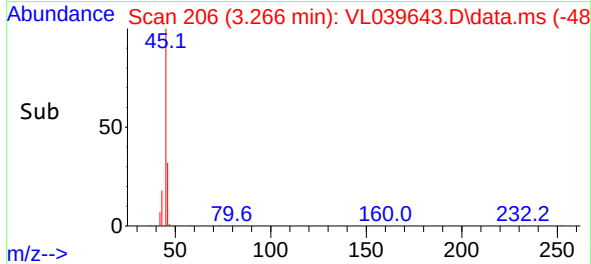
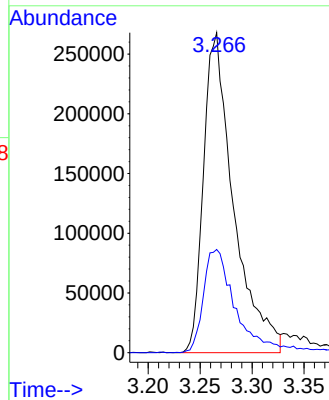
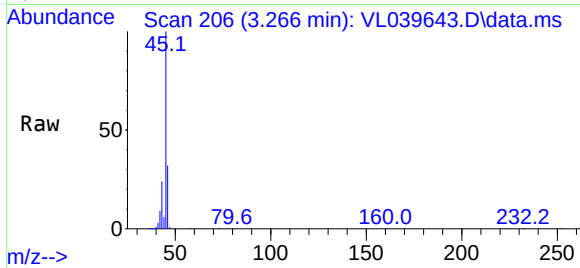




#13
Ethanol
Concen: 120.415 ppbv
RT: 3.266 min Scan# 209
Delta R.T. 0.007 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

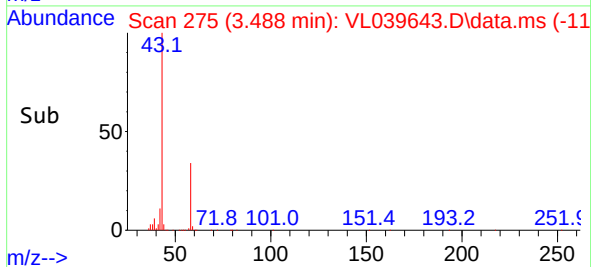
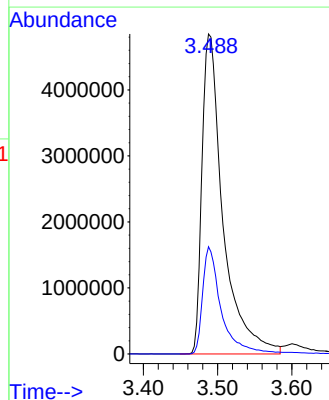
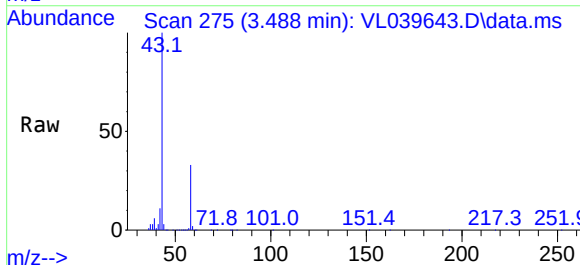
Instrument :
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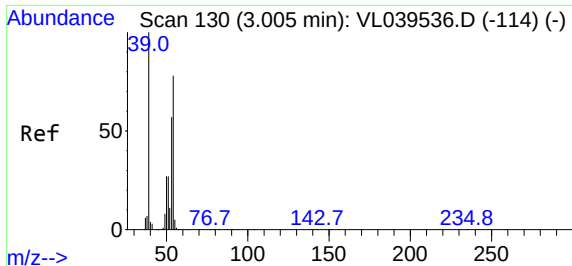
Tgt Ion: 45 Resp: 539207
Ion Ratio Lower Upper
45 100
46 36.0 22.8 91.2



#15
Acetone
Concen: 78.990 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.004 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 43 Resp: 9530834
Ion Ratio Lower Upper
43 100
58 30.2 21.0 31.6

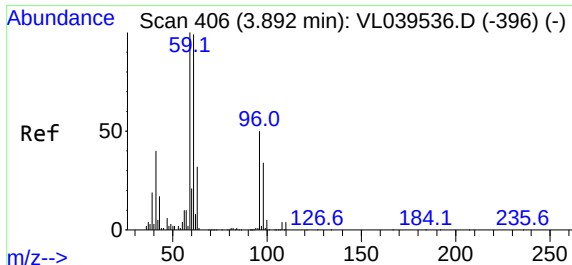
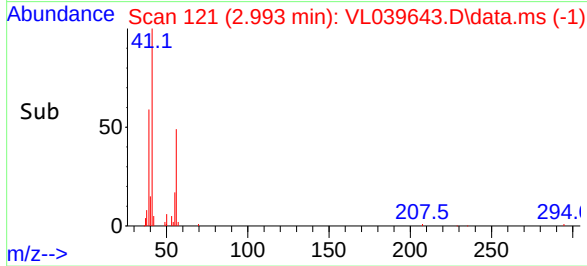
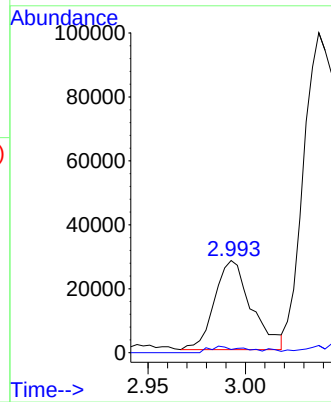
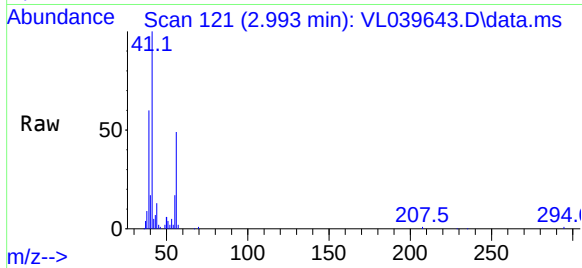




#16
1,3-Butadiene
Concen: 0.601 ppbv
RT: 2.993 min Scan# 11
Delta R.T. -0.012 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

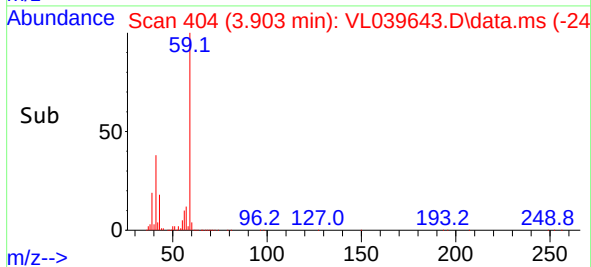
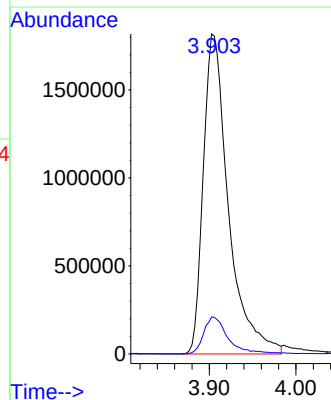
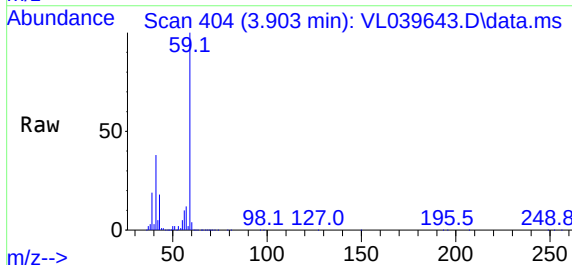
Instrument :
MSVOA_L
ClientSampleId :
COPF4

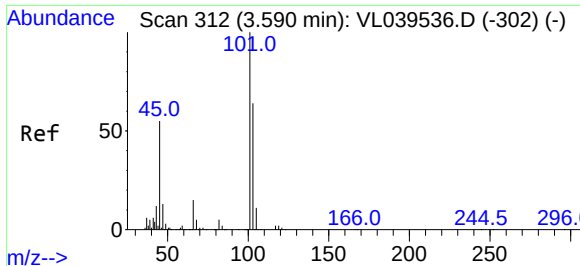
Tgt Ion: 39 Resp: 36775
Ion Ratio Lower Upper
39 100
54 8.4 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 33.914 ppbv
RT: 3.903 min Scan# 404
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 59 Resp: 3672258
Ion Ratio Lower Upper
59 100
57 11.5 8.7 13.1





#19

Isopropyl Alcohol

Concen: 9.318 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.014 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

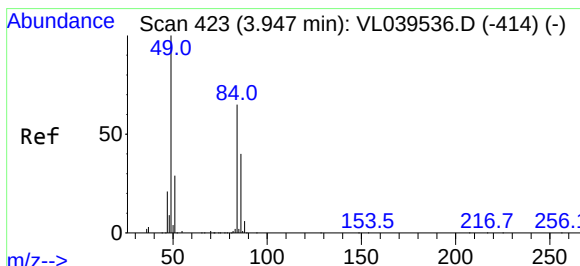
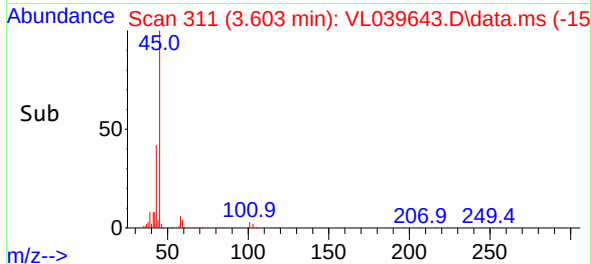
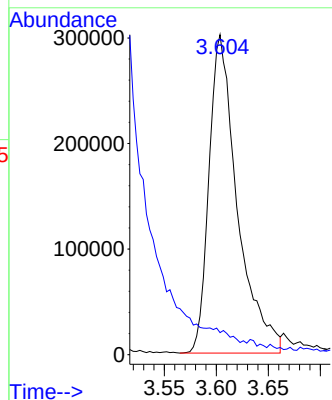
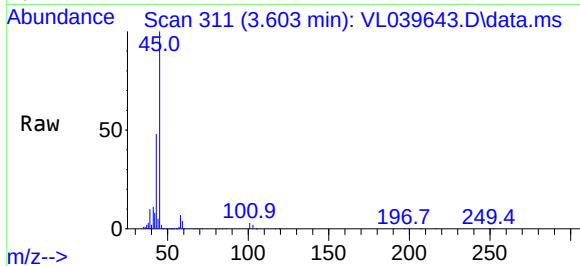
COPF4

Tgt Ion: 45 Resp: 573128

Ion Ratio Lower Upper

45 100

58 0.0 3.2 4.8#



#20

Methylene Chloride

Concen: 3.353 ppbv

RT: 3.960 min Scan# 422

Delta R.T. 0.014 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Tgt Ion: 84 Resp: 187039

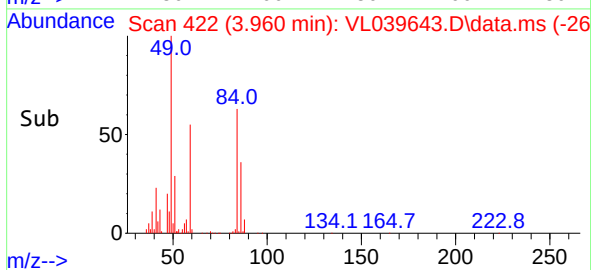
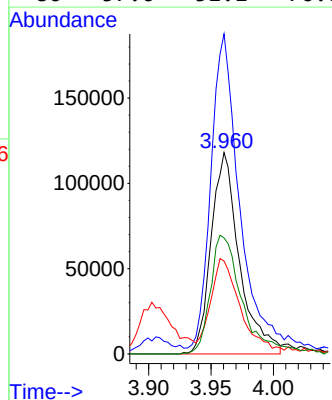
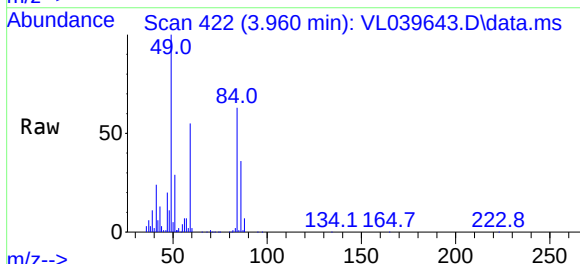
Ion Ratio Lower Upper

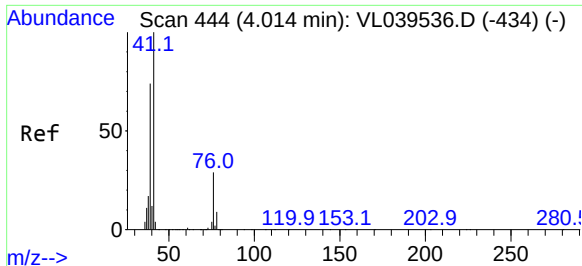
84 100

49 154.5 123.1 184.7

51 43.1 34.4 51.6

86 57.6 51.1 76.7





#21

Allyl Chloride

Concen: 1.223 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.117 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

C0PF4

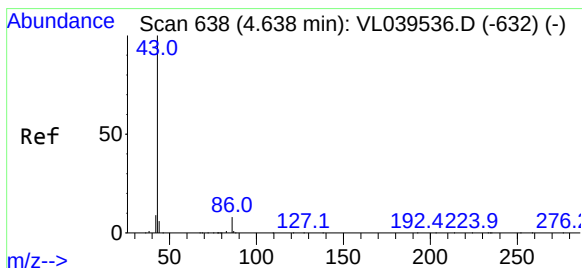
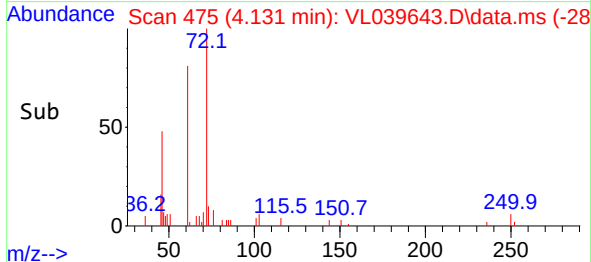
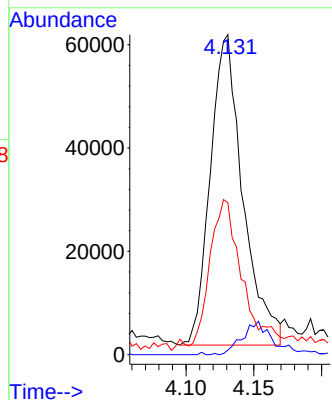
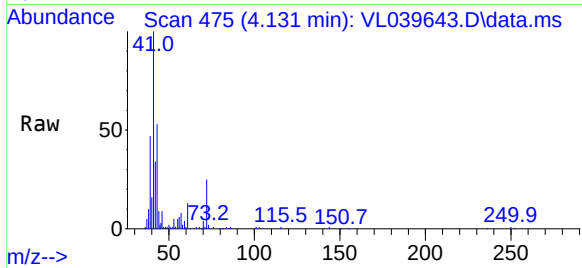
Tgt Ion: 41 Resp: 100503

Ion Ratio Lower Upper

41 100

76 11.0 24.4 36.6#

39 55.5 63.5 95.3#



#23

Vinyl Acetate

Concen: 4.061 ppbv

RT: 4.629 min Scan# 630

Delta R.T. -0.009 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Tgt Ion: 43 Resp: 221482

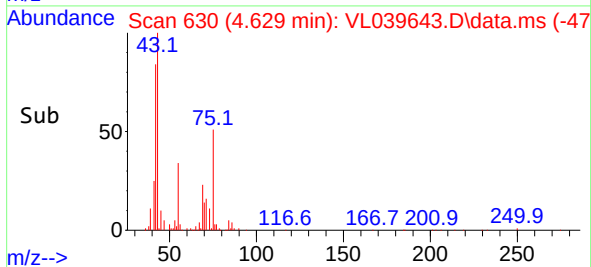
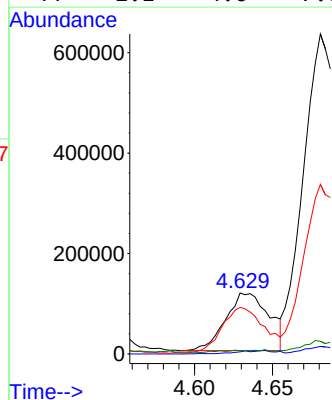
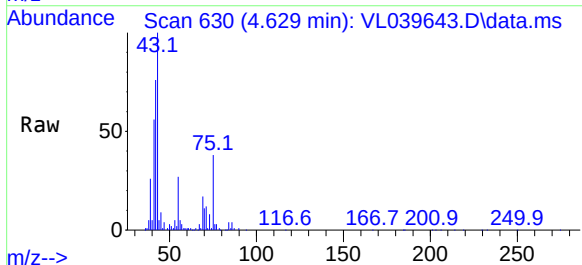
Ion Ratio Lower Upper

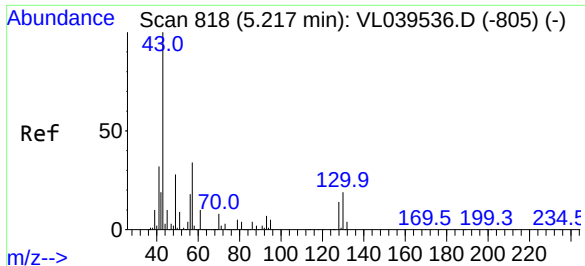
43 100

86 3.7 5.0 7.6#

42 79.1 7.7 11.5#

44 2.1 4.6 7.0#





#25

Ethyl Acetate

Concen: 1.312 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.017 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

C0PF4

Tgt Ion: 43 Resp: 345108

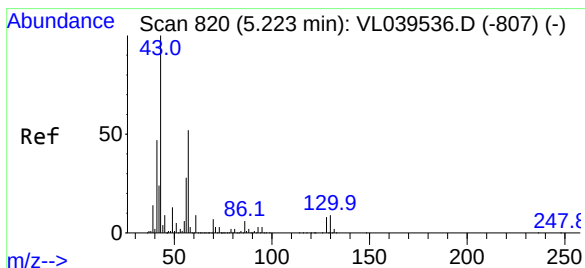
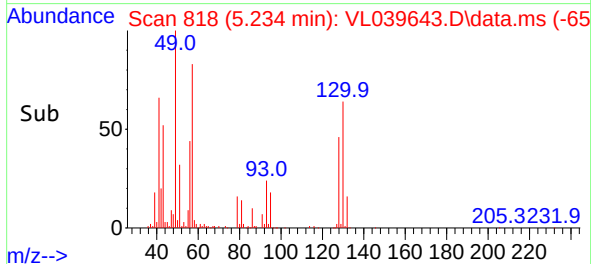
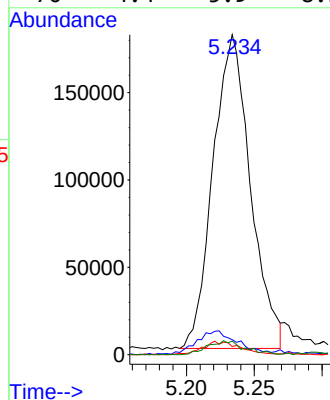
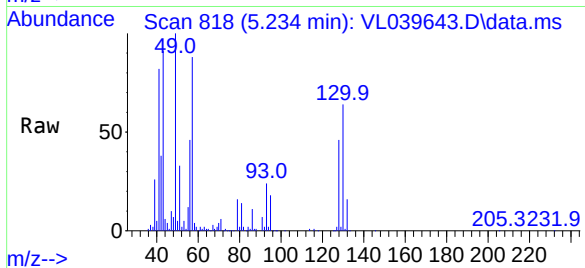
Ion Ratio Lower Upper

43 100

45 9.2 8.2 12.4

61 4.5 8.3 12.5#

70 4.4 5.9 8.9#



#26

Hexane

Concen: 2.955 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.014 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Tgt Ion: 57 Resp: 329960

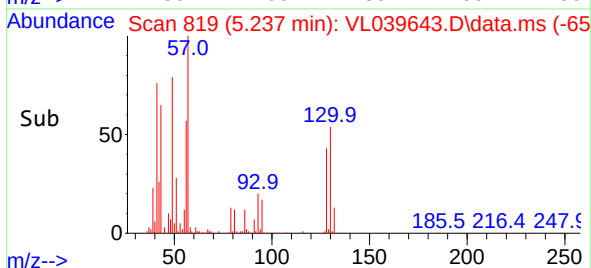
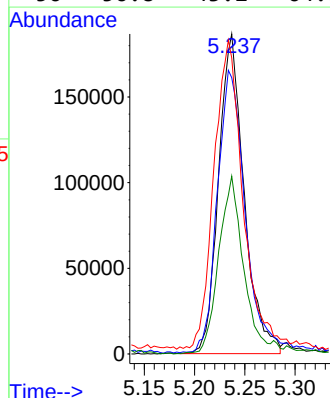
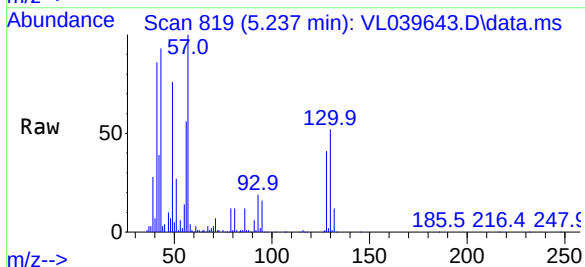
Ion Ratio Lower Upper

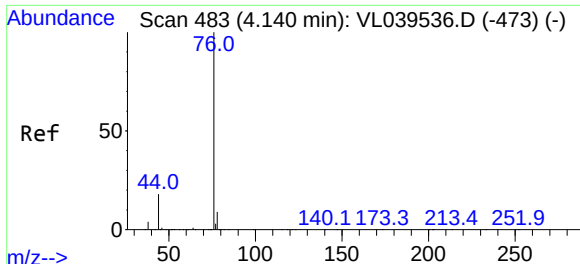
57 100

41 97.3 76.9 115.3

43 113.9 191.0 286.6#

56 56.8 43.2 64.8

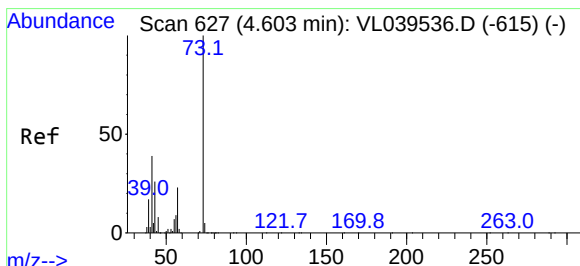
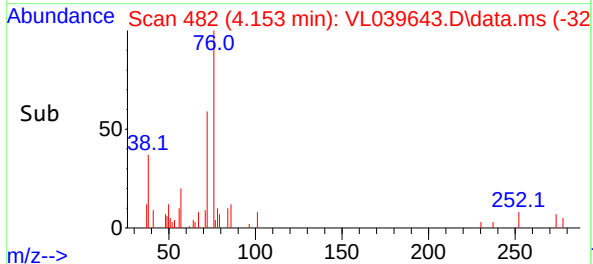
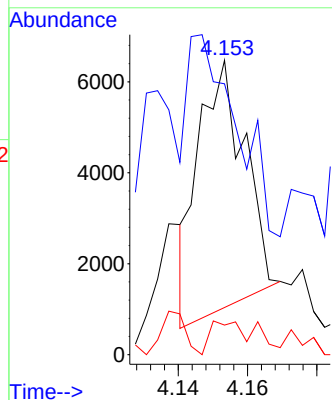
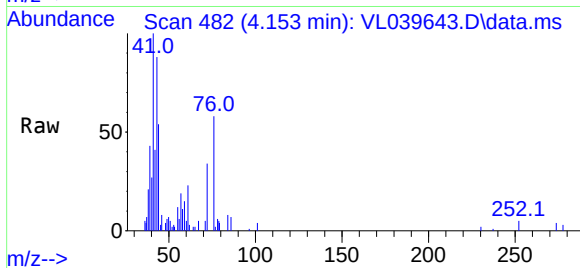




#27
Carbon Disulfide
Concen: 0.044 ppbv
RT: 4.153 min Scan# 41
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

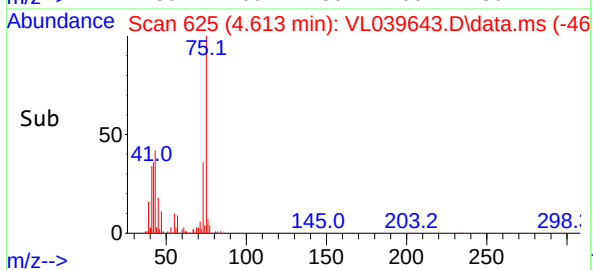
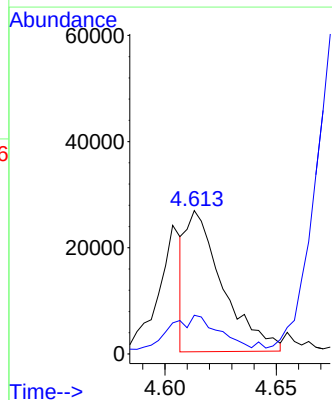
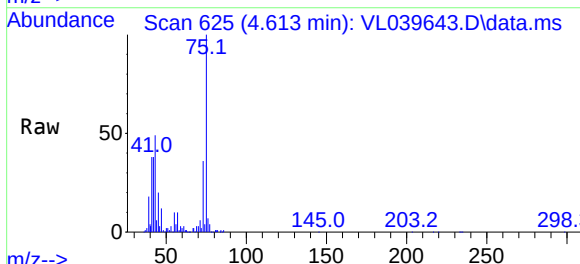
Instrument :
MSVOA_L
ClientSampleId :
COPF4

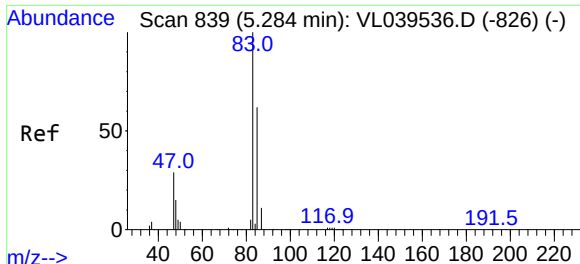
Tgt Ion: 76 Resp: 5128
Ion Ratio Lower Upper
76 100
44 120.3 14.6 21.8#
78 10.9 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 0.328 ppbv
RT: 4.613 min Scan# 625
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 73 Resp: 30723
Ion Ratio Lower Upper
73 100
57 40.6 19.8 29.8#





#29

Chloroform

Concen: 0.848 ppbv

RT: 5.298 min Scan# 81

Delta R.T. 0.014 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

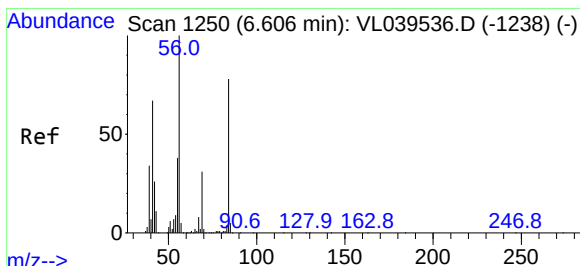
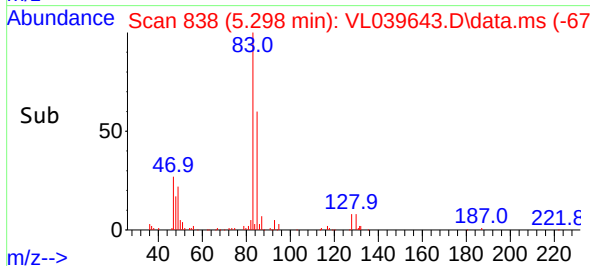
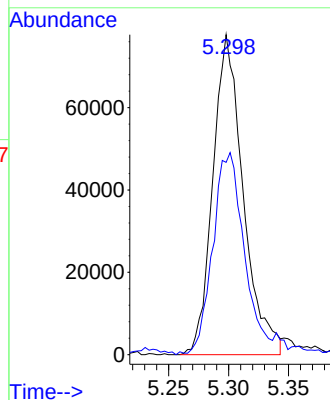
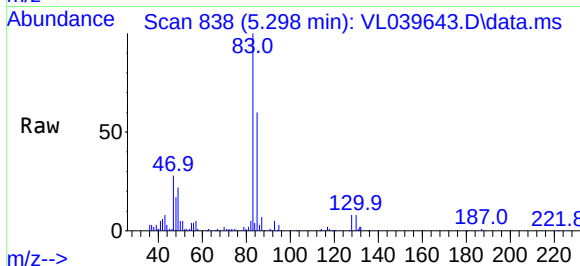
COPF4

Tgt Ion: 83 Resp: 136676

Ion Ratio Lower Upper

83 100

85 59.2 52.8 79.2



#30

Cyclohexane

Concen: 0.057 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.004 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

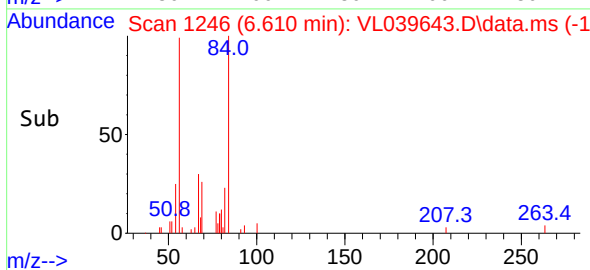
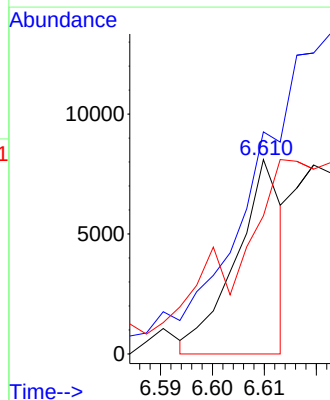
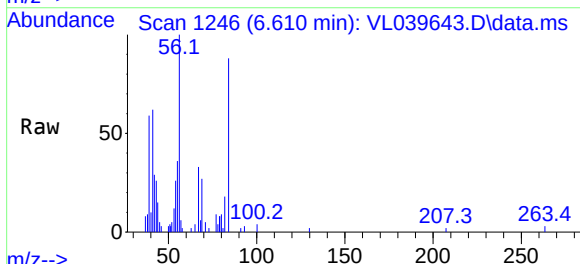
Tgt Ion: 84 Resp: 4950

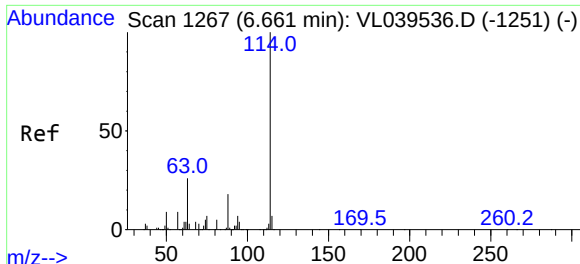
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 339.2 67.7 101.5#

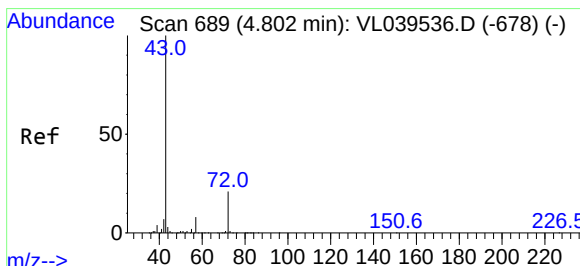
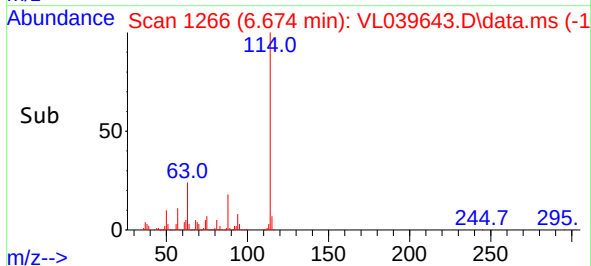
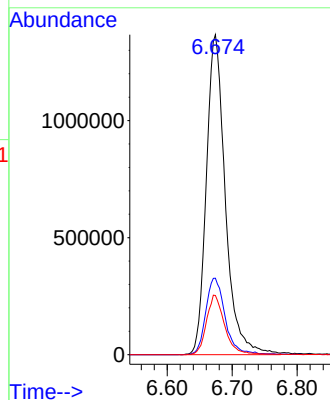
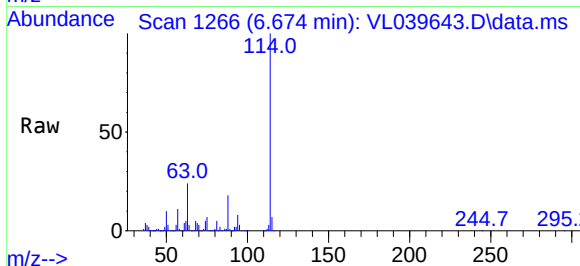




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 11
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

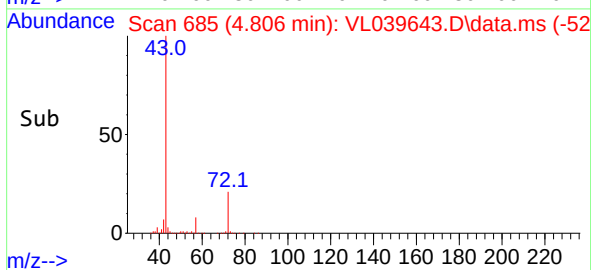
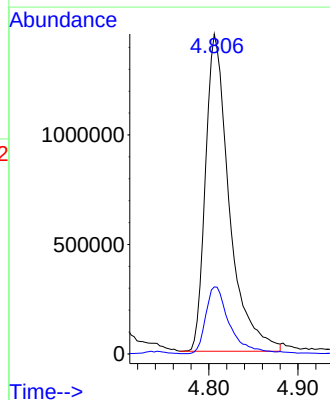
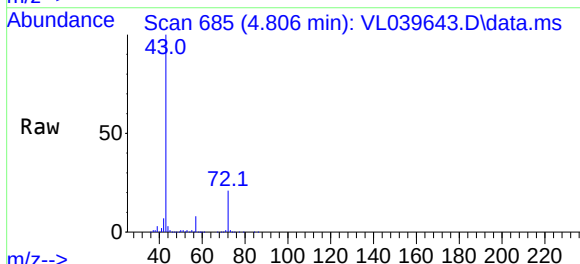
Instrument :
MSVOA_L
ClientSampleId :
COPF4

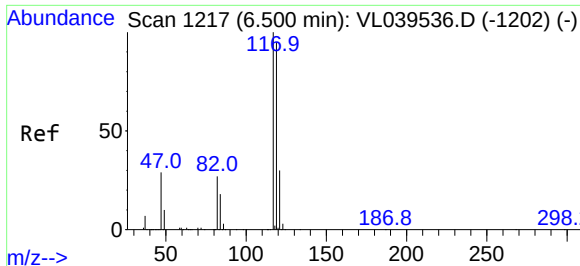
Tgt Ion:114 Resp: 2785494
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.4
88 18.0 14.5 21.7



#34
2-Butanone
Concen: 19.648 ppbv
RT: 4.806 min Scan# 685
Delta R.T. 0.004 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 43 Resp: 2688265
Ion Ratio Lower Upper
43 100
72 21.7 17.9 26.9

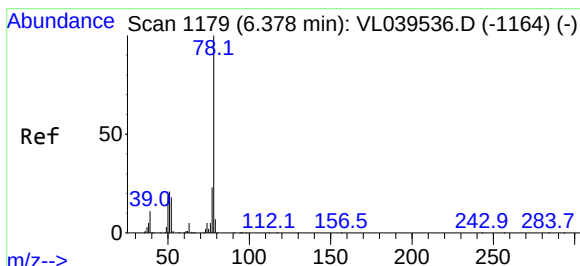
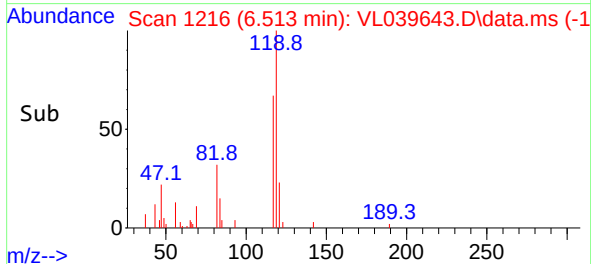
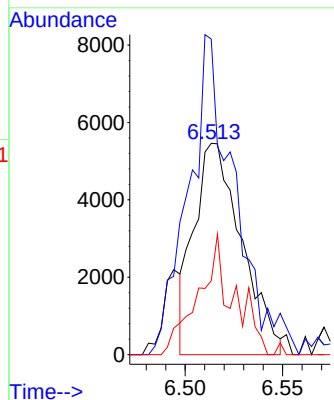
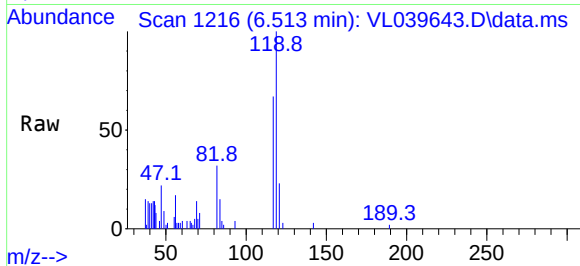




#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 6.513 min Scan# 117
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

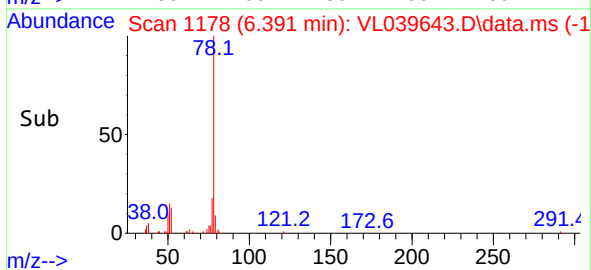
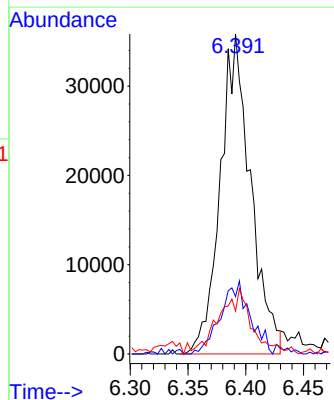
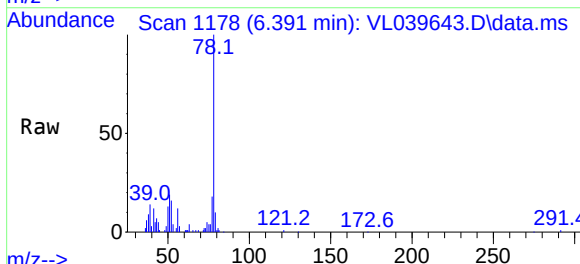
Instrument :
MSVOA_L
ClientSampleId :
COPF4

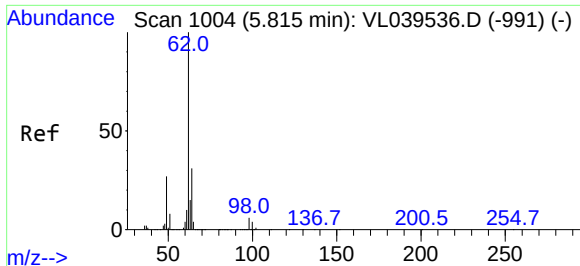
Tgt Ion:117 Resp: 9242
Ion Ratio Lower Upper
117 100
119 140.2 75.4 113.2#
121 31.7 24.2 36.2



#36
Benzene
Concen: 0.308 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 78 Resp: 65567
Ion Ratio Lower Upper
78 100
77 16.5 20.3 30.5#
50 11.1 15.5 23.3#

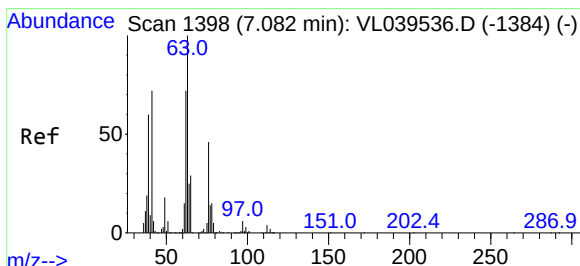
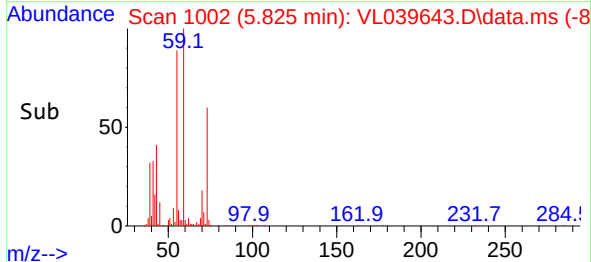
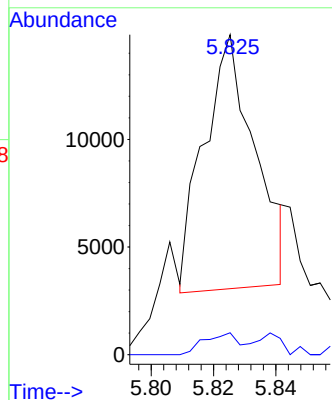
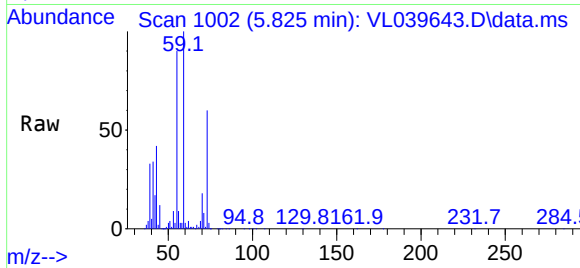




#37
1,2-Dichloroethane
Concen: 0.116 ppbv
RT: 5.825 min Scan# 1004
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

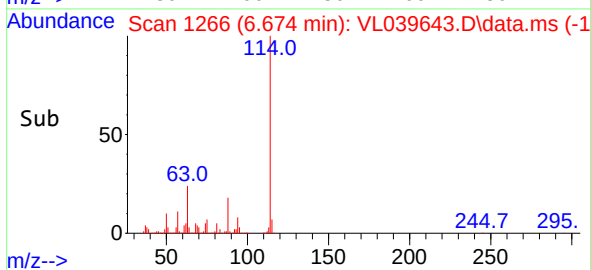
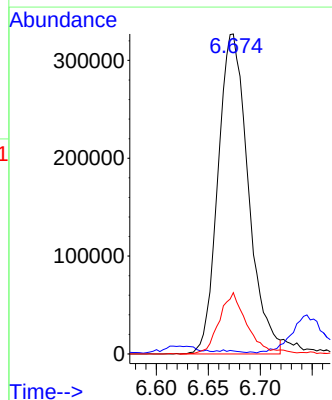
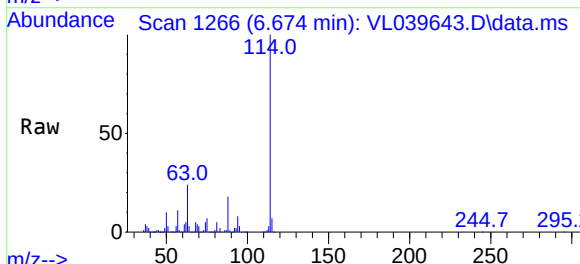
Instrument :
MSVOA_L
ClientSampleId :
COPF4

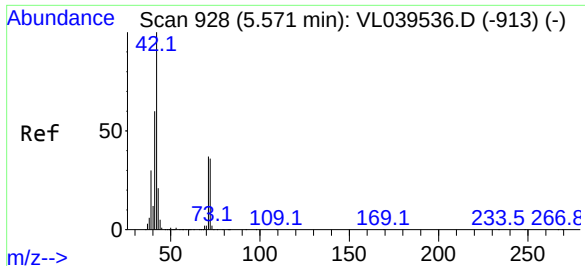
Tgt Ion: 62 Resp: 13452
Ion Ratio Lower Upper
62 100
98 11.4 5.1 7.7#



#39
1,2-Dichloropropane
Concen: 8.059 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.408 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 63 Resp: 662749
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 19.1 51.4 77.0#

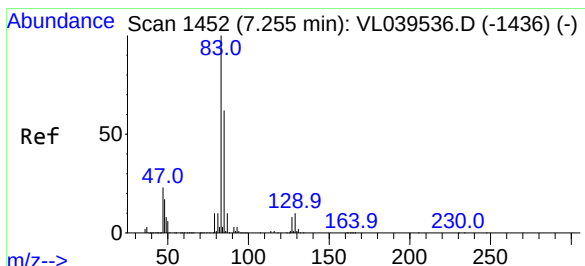
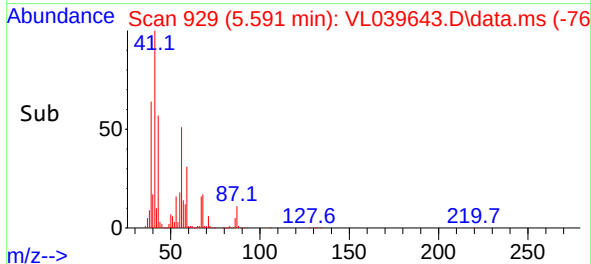
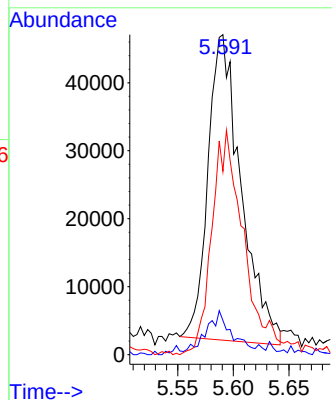
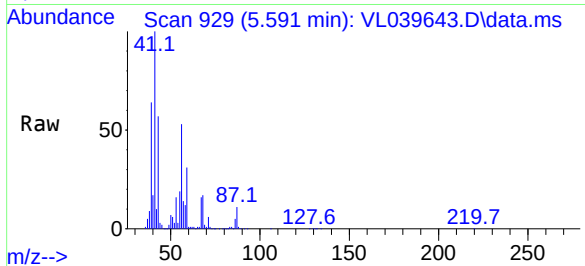




#41
Tetrahydrofuran
Concen: 1.104 ppbv
RT: 5.591 min Scan# 91
Delta R.T. 0.020 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

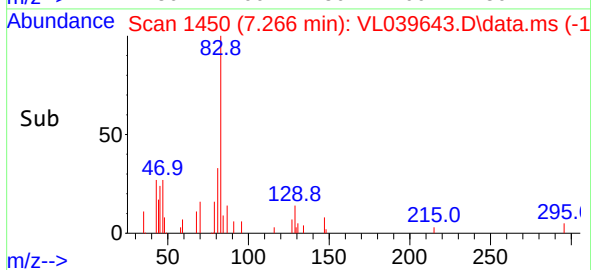
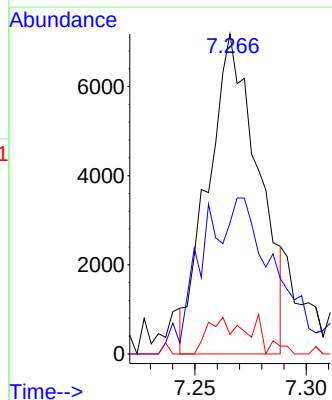
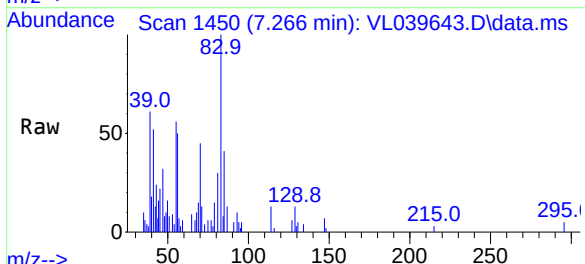
Instrument :
MSVOA_L
ClientSampleId :
COPF4

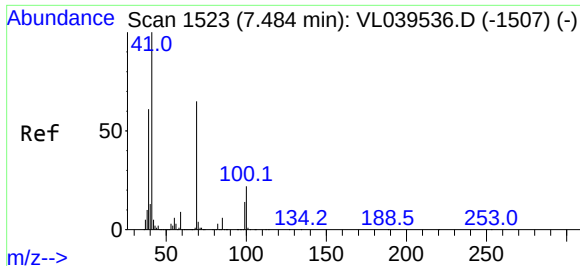
Tgt Ion: 42 Resp: 92694
Ion Ratio Lower Upper
42 100
72 13.9 31.8 47.8#
71 74.2 31.8 47.8#



#42
Bromodichloromethane
Concen: 0.070 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 83 Resp: 11240
Ion Ratio Lower Upper
83 100
85 46.4 50.7 76.1#
127 7.5 6.6 9.8

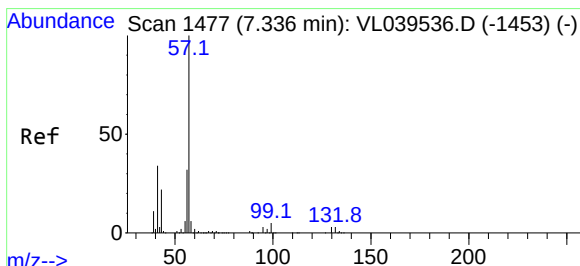
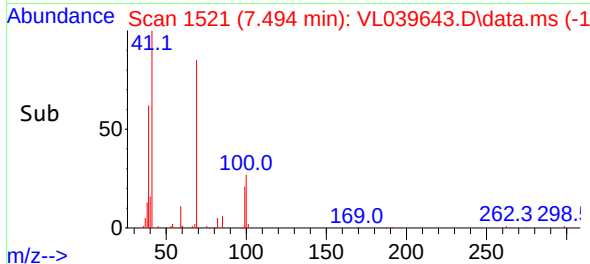
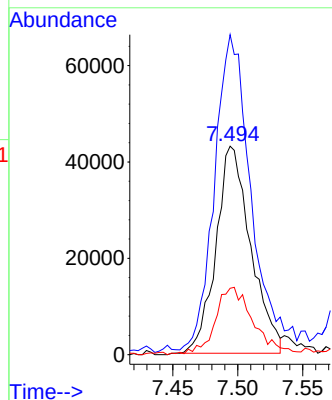
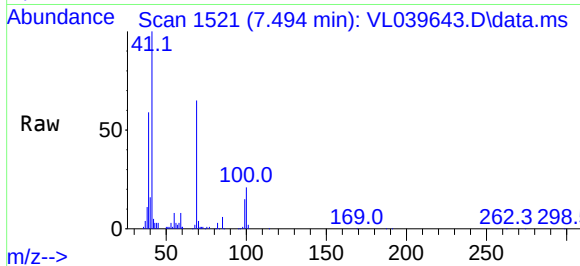




#43
Methyl Methacrylate
Concen: 1.031 ppbv
RT: 7.494 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

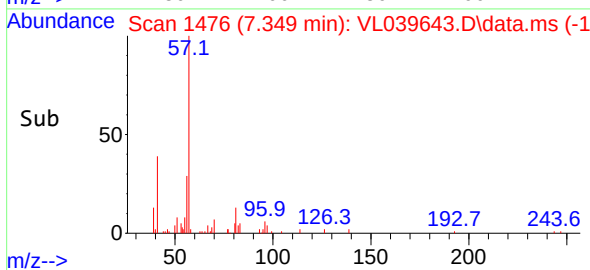
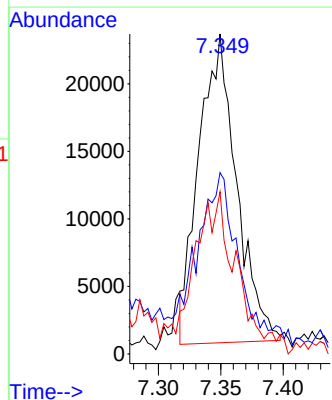
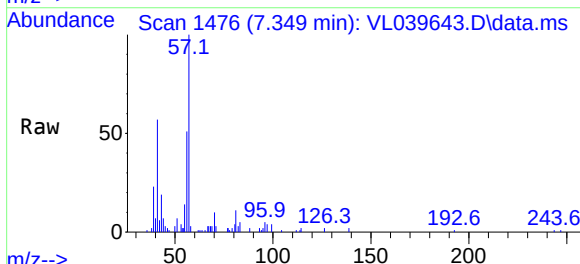
Instrument :
MSVOA_L
ClientSampleId :
COPF4

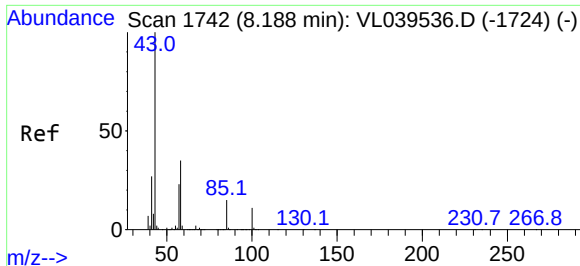
Tgt Ion: 69 Resp: 80071
Ion Ratio Lower Upper
69 100
41 164.0 120.8 181.2
100 37.1 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 0.131 ppbv
RT: 7.349 min Scan# 1476
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 57 Resp: 48201
Ion Ratio Lower Upper
57 100
41 61.8 27.4 41.2#
56 56.8 24.5 36.7#





#50

4-Methyl-2-Pentanone

Concen: 0.376 ppbv

RT: 8.198 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

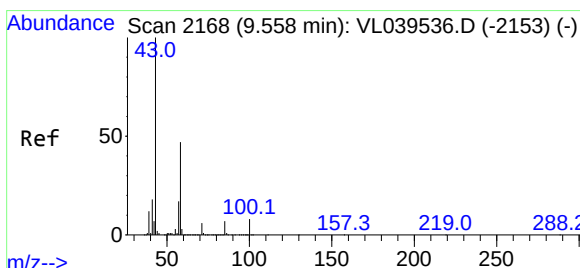
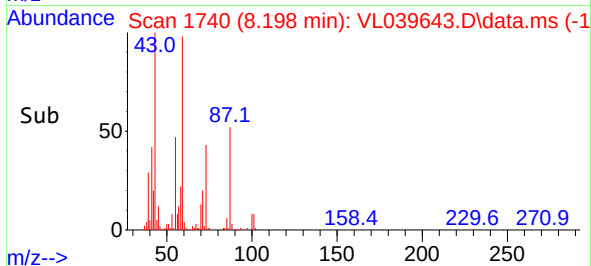
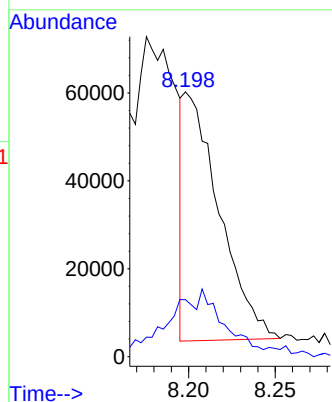
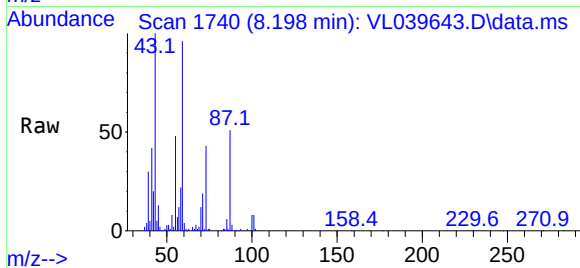
C0PF4

Tgt Ion: 43 Resp: 80894

Ion Ratio Lower Upper

43 100

58 47.2 28.8 43.2#



#51

2-Hexanone

Concen: 12.922 ppbv

RT: 9.549 min Scan# 2160

Delta R.T. -0.009 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

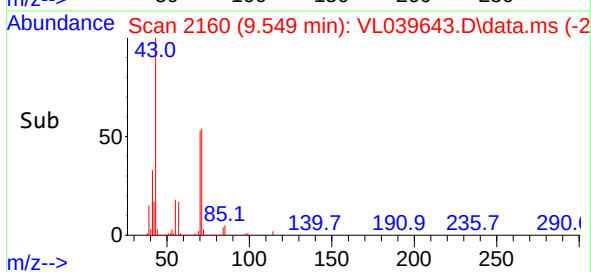
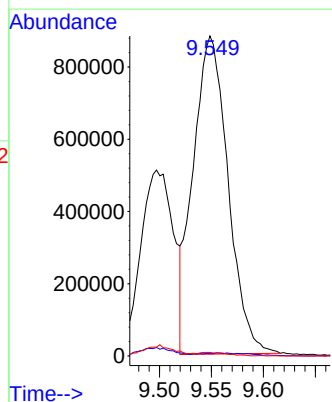
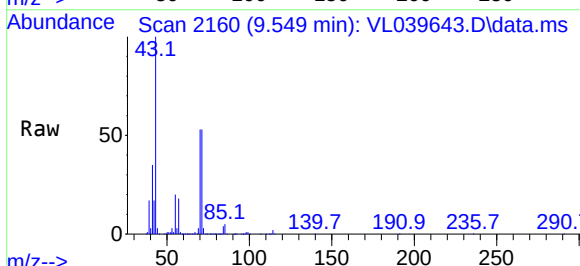
Tgt Ion: 43 Resp: 2056483

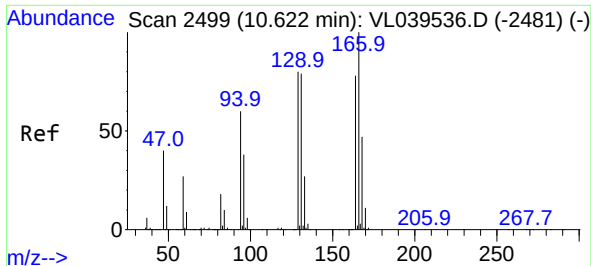
Ion Ratio Lower Upper

43 100

58 1.3 38.4 57.6#

98 0.8 0.3 0.5#

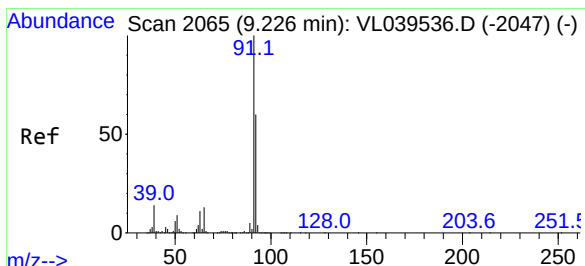
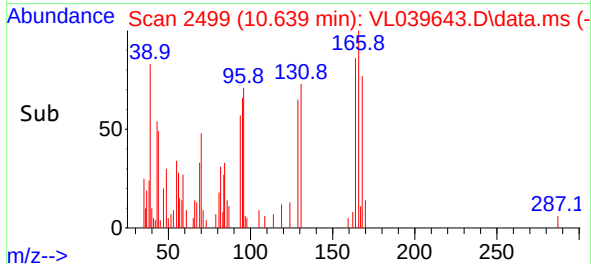
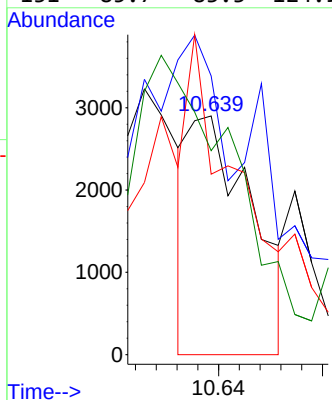
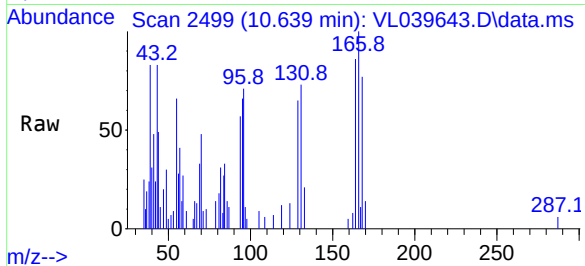




#52
Tetrachloroethene
Concen: 0.030 ppbv
RT: 10.639 min Scan# 2499
Delta R.T. 0.017 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

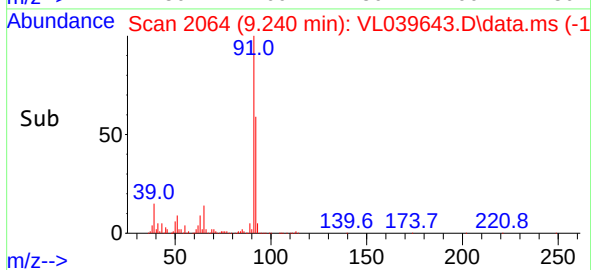
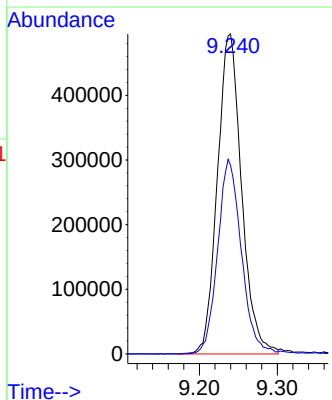
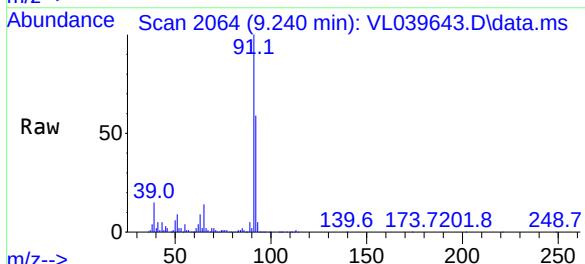
Instrument :
MSVOA_L
ClientSampleId :
COPF4

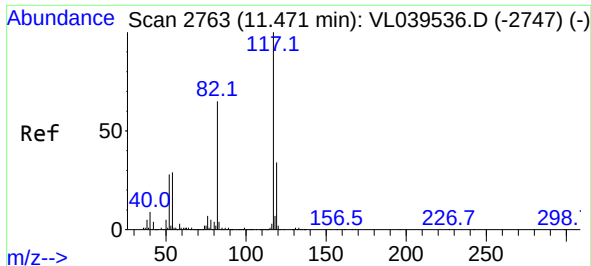
Tgt Ion:164 Resp: 2444
Ion Ratio Lower Upper
164 100
166 126.3 102.2 153.2
129 60.0 85.8 128.8#
131 85.7 83.3 124.9



#53
Toluene
Concen: 4.512 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 91 Resp: 1068629
Ion Ratio Lower Upper
91 100
92 60.1 48.2 72.2

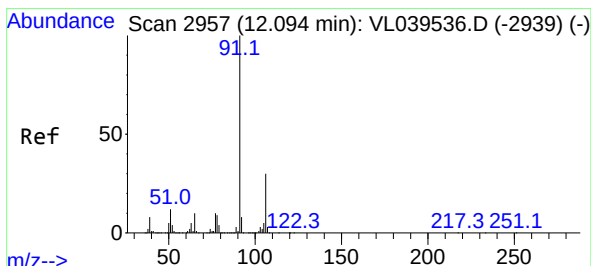
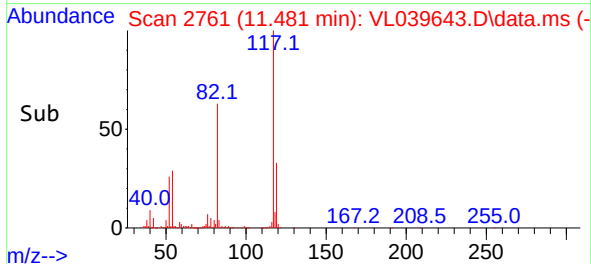
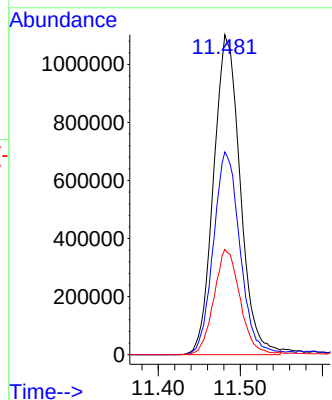
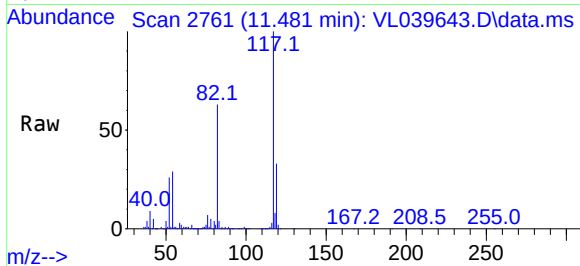




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

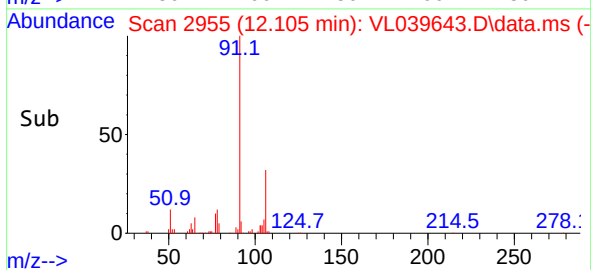
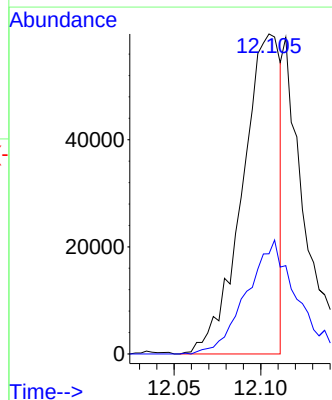
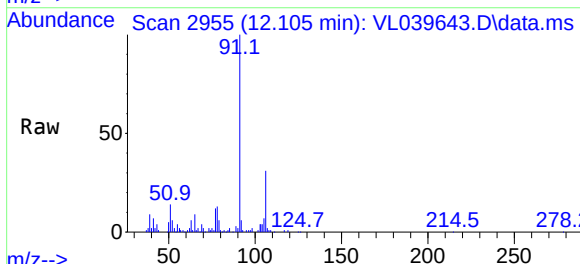
Instrument :
MSVOA_L
ClientSampleId :
COPF4

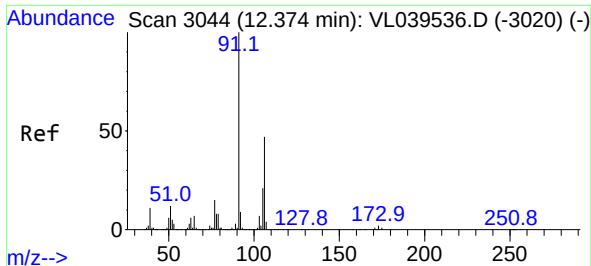
Tgt Ion:117 Resp: 2485865
Ion Ratio Lower Upper
117 100
82 63.4 50.8 76.2
119 32.9 24.1 36.1



#58
Ethyl Benzene
Concen: 0.318 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 91 Resp: 91039
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0





#59

m/p-Xylene

Concen: 1.186 ppbv

RT: 12.359 min Scan# 3044

Delta R.T. -0.015 min

Lab File: VL039643.D

Acq: 21 Sep 2022 20:19

Instrument :

MSVOA_L

ClientSampleId :

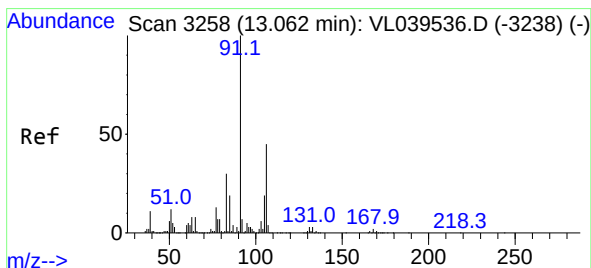
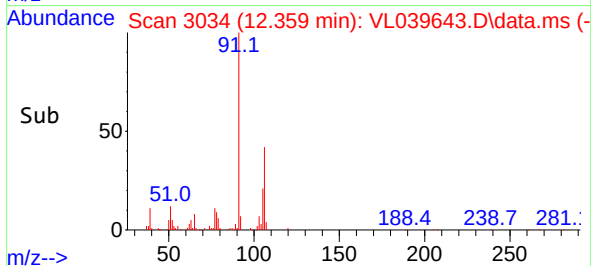
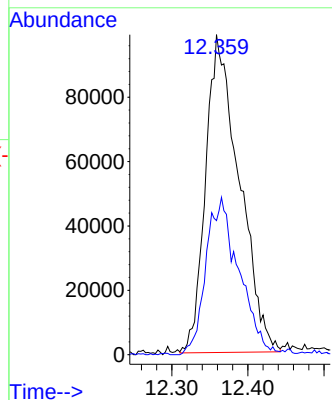
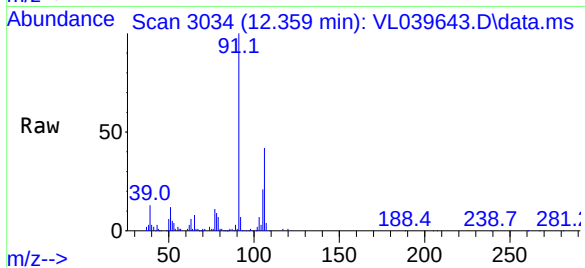
COPF4

Tgt Ion: 91 Resp: 302520

Ion Ratio Lower Upper

91 100

106 49.5 35.4 53.2



#60

o-Xylene

Concen: 0.400 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039643.D

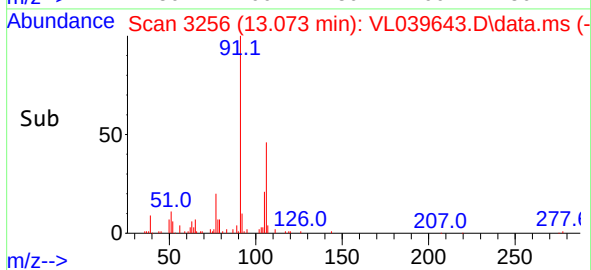
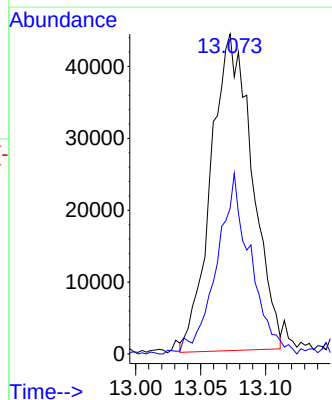
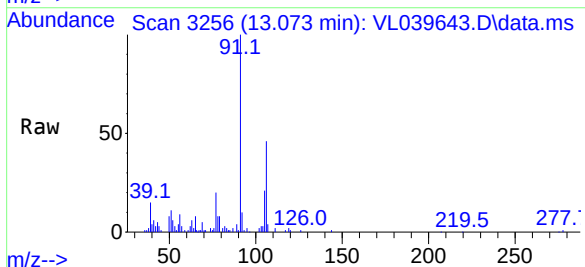
Acq: 21 Sep 2022 20:19

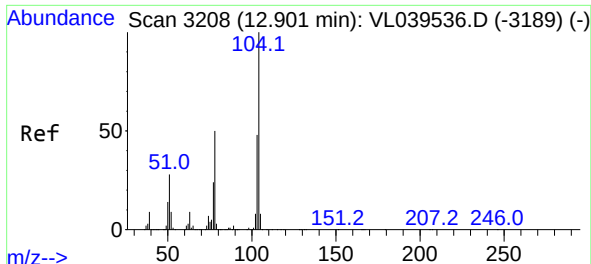
Tgt Ion: 91 Resp: 97548

Ion Ratio Lower Upper

91 100

106 46.7 22.4 67.3

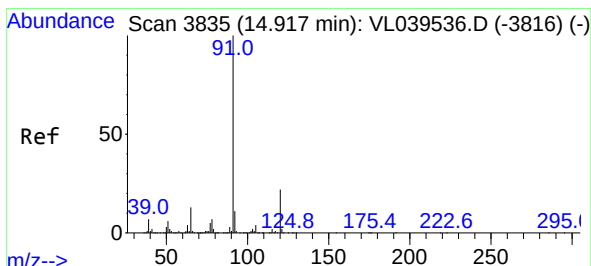
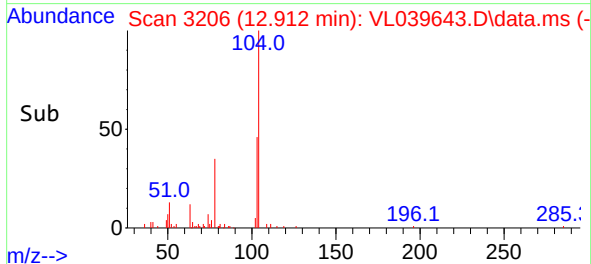
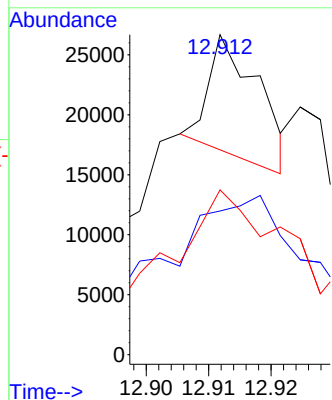
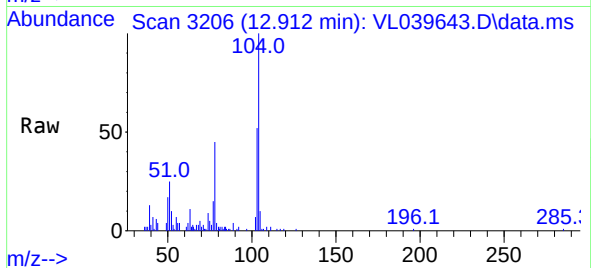




#61
Styrene
Concen: 0.040 ppbv
RT: 12.912 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

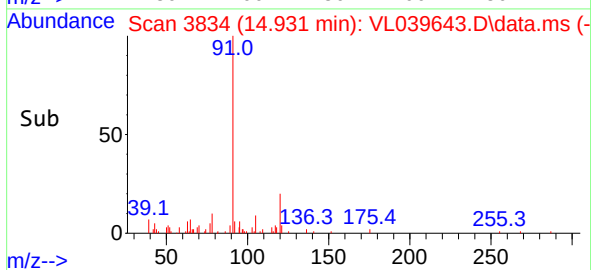
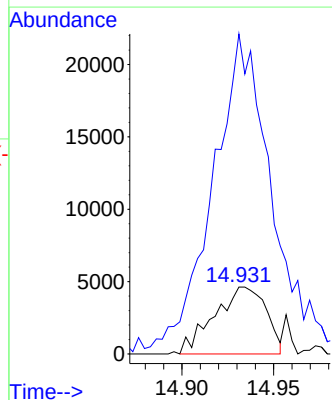
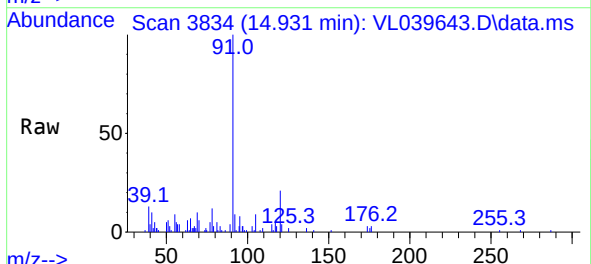
Instrument :
MSVOA_L
ClientSampleId :
COPF4

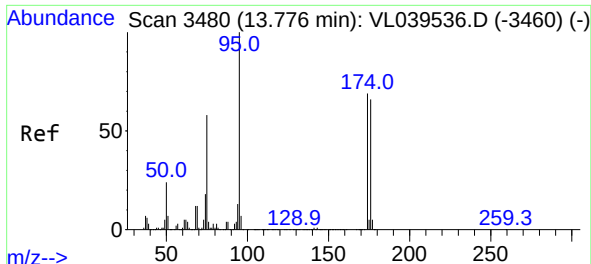
Tgt Ion:104 Resp: 5267
Ion Ratio Lower Upper
104 100
78 0.0 41.2 61.8#
103 501.6 38.7 58.1#



#64
n-propylbenzene
Concen: 0.097 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion:120 Resp: 9138
Ion Ratio Lower Upper
120 100
91 541.3 367.2 550.8

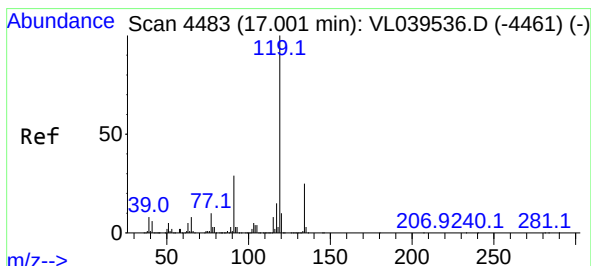
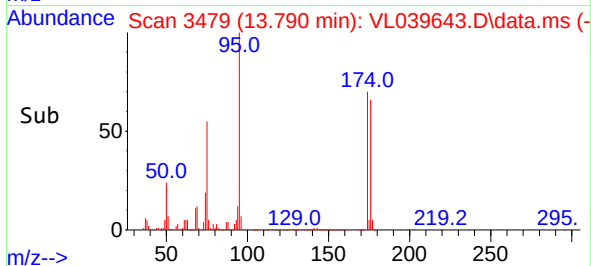
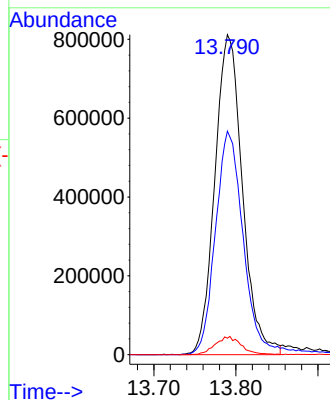
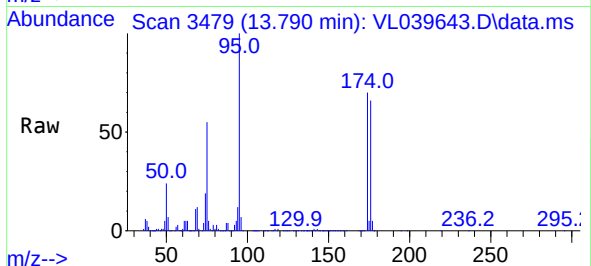




#68
1-Bromo-4-Fluorobenzene
Concen: 10.245 ppbv
RT: 13.790 min Scan# 3480
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

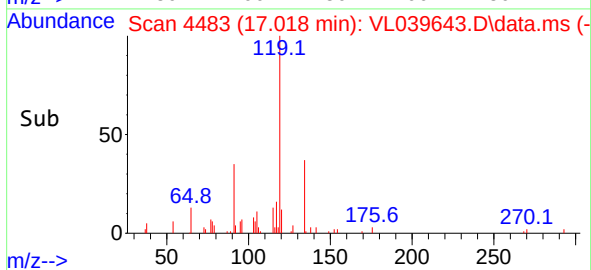
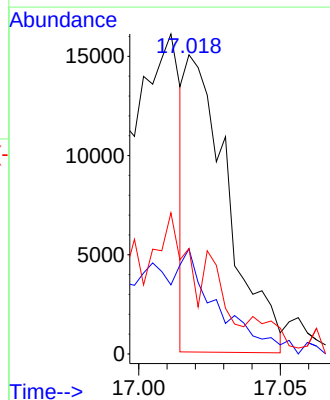
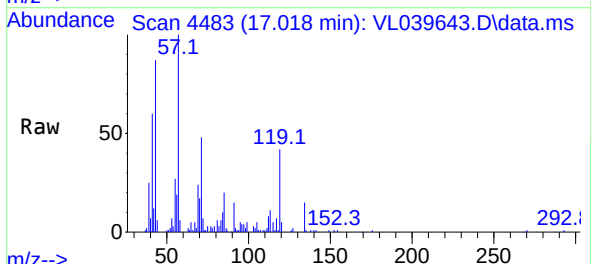
Instrument :
MSVOA_L
ClientSampleId :
COPF4

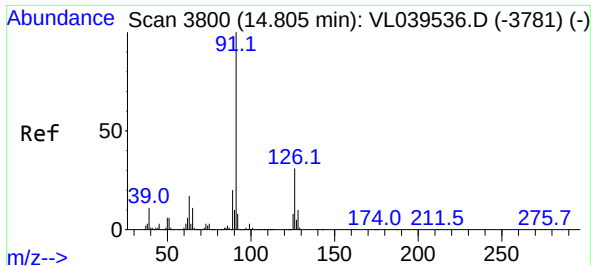
Tgt Ion: 95 Resp: 1901179
Ion Ratio Lower Upper
95 100
174 72.1 55.9 83.9
175 5.4 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.041 ppbv
RT: 17.018 min Scan# 4483
Delta R.T. 0.017 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 119 Resp: 15480
Ion Ratio Lower Upper
119 100
134 74.7 20.3 30.5#
91 0.0 22.9 34.3#

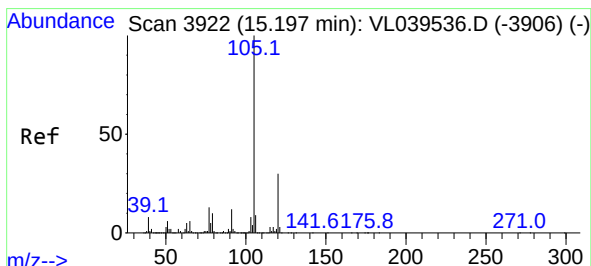
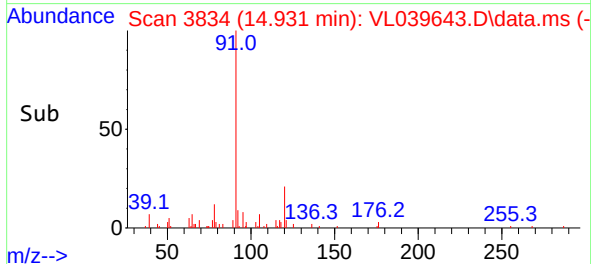
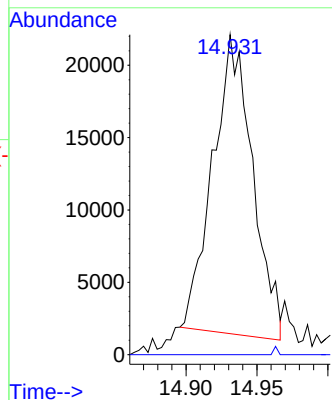
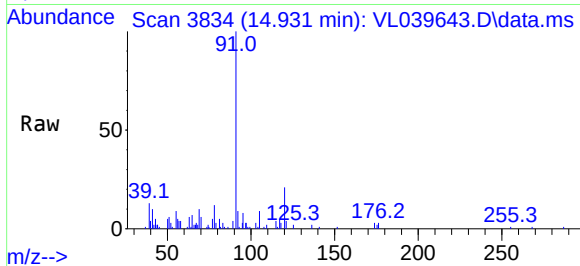




#71
2-Chlorotoluene
Concen: 0.153 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.126 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

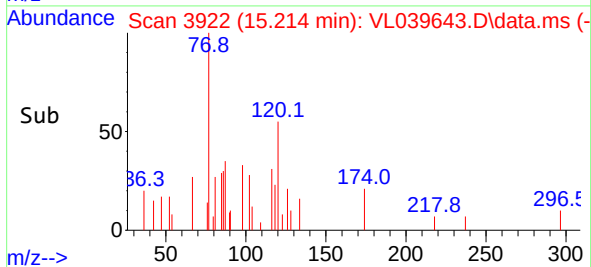
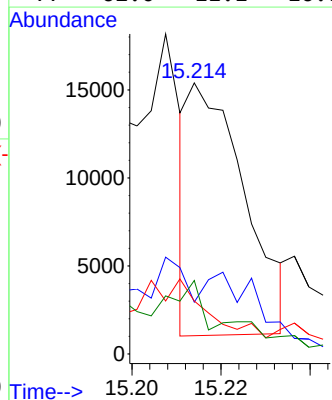
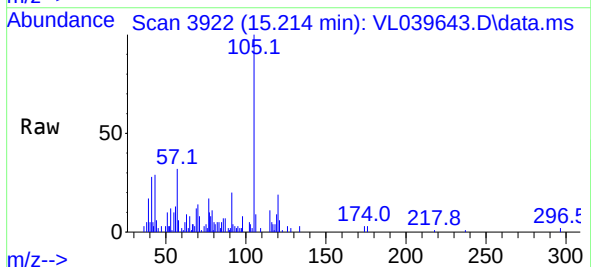
Instrument :
MSVOA_L
ClientSampleId :
COPF4

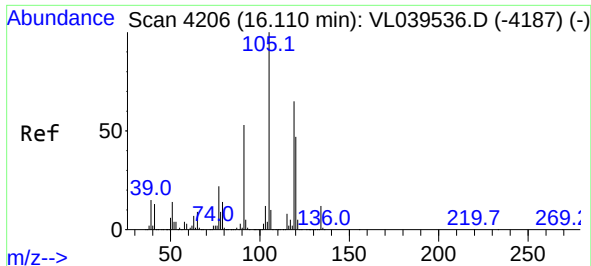
Tgt Ion: 91 Resp: 40462
Ion Ratio Lower Upper
91 100
126 0.3 13.0 51.8#



#72
4-Ethyltoluene
Concen: 0.045 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.017 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion: 105 Resp: 12482
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 0.0 10.2 15.4#
77 62.0 11.1 16.7#

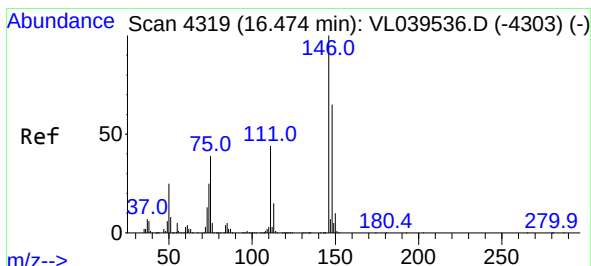
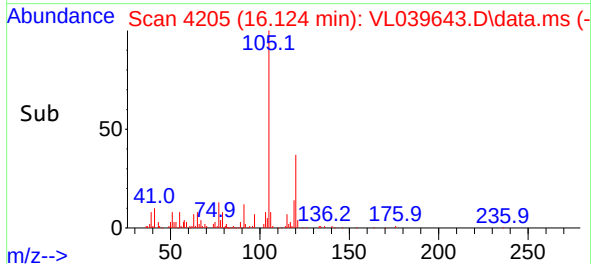
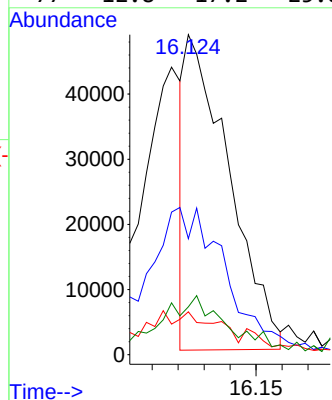
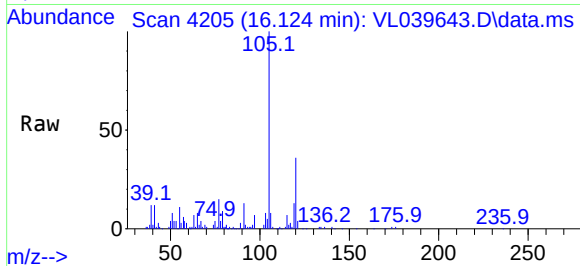




#74
1,2,4-Trimethylbenzene
Concen: 0.199 ppbv
RT: 16.124 min Scan# 4187
Delta R.T. 0.014 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Instrument :
MSVOA_L
ClientSampleId :
C0PF4

Tgt Ion:	105	Resp:	56726
Ion	Ratio	Lower	Upper
105	100		
120	32.8	39.5	59.3#
91	11.2	39.2	58.8#
77	12.8	17.2	25.8#



#76
1,4-Dichlorobenzene
Concen: 0.070 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. 0.010 min
Lab File: VL039643.D
Acq: 21 Sep 2022 20:19

Tgt Ion:	146	Resp:	11969
Ion	Ratio	Lower	Upper
146	100		
111	142.0	22.9	68.8#
148	0.0	33.6	100.8#

