

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039640.D
 Acq On : 21 Sep 2022 18:19
 Operator : SY/AP
 Sample : N4669-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3

Quant Time: Sep 22 08:17:44 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	5.211	49	1053593	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2692526	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2446774	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1863745 10.204 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.758	85	31194	0.255	ppbv #	88
3) Chlorodifluoromethane	2.677	51	147567	1.180	ppbv #	68
4) Chloromethane	2.838	50	31290	0.415	ppbv	92
9) Propene	2.899	41	390511	6.839	ppbv	95
10) Heptane	7.600	43	13639	0.102	ppbv #	1
11) Trichlorofluoromethane	3.587	101	31364	0.207	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.092	101	6714	0.059	ppbv #	81
13) Ethanol	3.263	45	505511	116.183	ppbv	77
15) Acetone	3.491	43	2992903	25.528	ppbv	99
16) 1,3-Butadiene	2.993	39	8932	0.150	ppbv #	10
17) tert-Butyl alcohol	3.912	59	31201	0.297	ppbv #	84
19) Isopropyl Alcohol	3.603	45	211046	3.532	ppbv #	1
20) Methylene Chloride	3.957	84	1151237	21.239	ppbv	94
21) Allyl Chloride	3.957	41	50679	0.635	ppbv #	29
23) Vinyl Acetate	4.645	43	18675	0.352	ppbv #	53
25) Ethyl Acetate	5.234	43	339134	1.327	ppbv #	86
26) Hexane	5.234	57	387693	3.574	ppbv #	46
27) Carbon Disulfide	4.144	76	8041	0.071	ppbv #	35
29) Chloroform	5.330	83	6698	0.043	ppbv	99
30) Cyclohexane	6.616	84	13833	0.165	ppbv #	1
34) 2-Butanone	4.812	43	166531	1.259	ppbv	100
35) Carbon Tetrachloride	6.510	117	11794	0.083	ppbv #	81
36) Benzene	6.391	78	49318	0.240	ppbv #	83
37) 1,2-Dichloroethane	5.822	62	10987	0.098	ppbv #	81
39) 1,2-Dichloropropane	6.671	63	647799	8.150	ppbv #	26
41) Tetrahydrofuran	5.590	42	4569	0.056	ppbv #	35
43) Methyl Methacrylate	7.494	69	84248	1.123	ppbv	96
44) 2,2,4-Trimethylpentane	7.343	57	19587	0.055	ppbv #	1
50) 4-Methyl-2-Pentanone	8.217	43	29880	0.144	ppbv #	78
53) Toluene	9.237	91	901067	3.936	ppbv	100
58) Ethyl Benzene	12.105	91	115628	0.410	ppbv	98
59) m/p-Xylene	12.359	91	310104	1.235	ppbv	97
60) o-Xylene	13.072	91	102628	0.428	ppbv	99
61) Styrene	12.912	104	45745	0.354	ppbv #	86
65) tert-Butylbenzene	16.114	119	11436	0.036	ppbv #	24
66) Benzyl Chloride	16.333	91	1107	0.044	ppbv #	67
69) p-Isopropyltoluene	17.008	119	28829	0.078	ppbv #	67
71) 2-Chlorotoluene	14.687	91	358489	1.376	ppbv #	42
72) 4-Ethyltoluene	15.211	105	25179	0.092	ppbv #	49
73) 1,3,5-Trimethylbenzene	15.365	105	39993	0.160	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.124	105	220691	0.786	ppbv #	68
76) 1,4-Dichlorobenzene	16.490	146	66168	0.395	ppbv	88
79) Naphthalene	21.397	128	1653922	8.927	ppbv	99

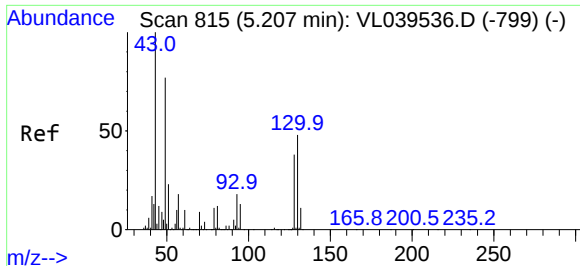
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039640.D
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.381	142	7095	0.102	ppbv	# 86

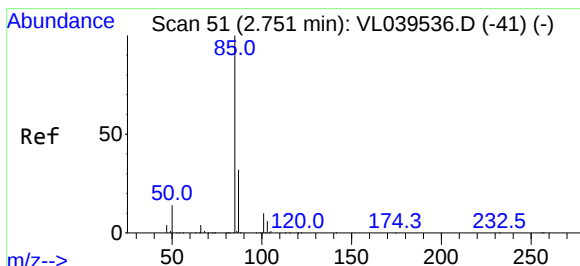
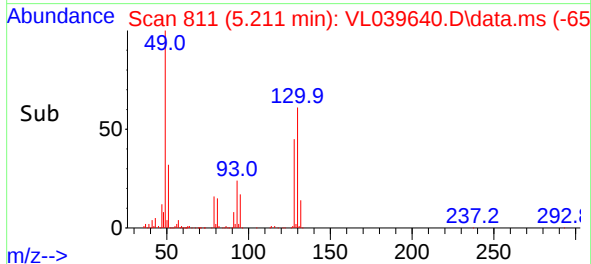
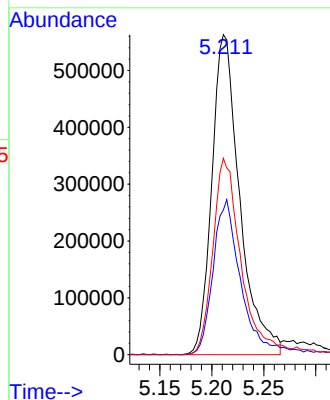
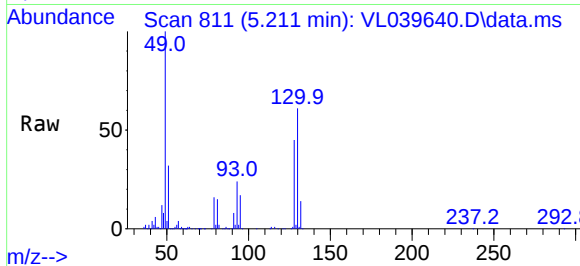
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

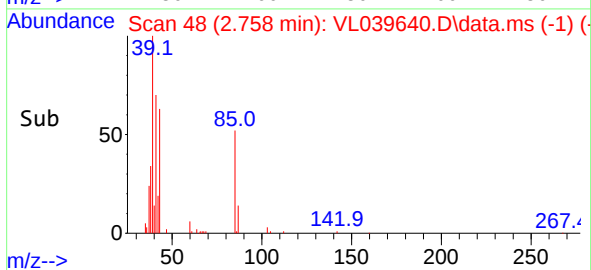
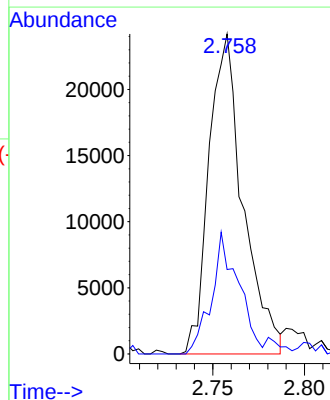
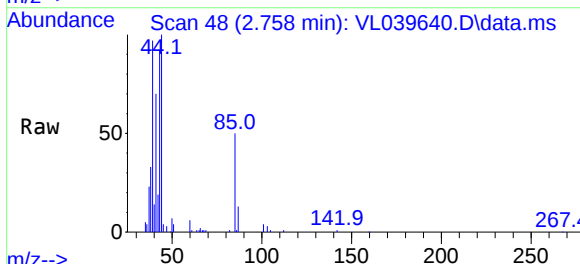
Instrument :
MSVOA_L
ClientSampleId :
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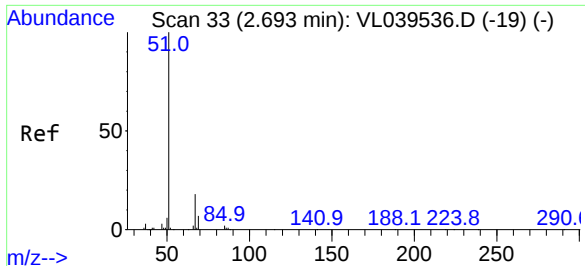
Tgt Ion: 49 Resp: 1053593
Ion Ratio Lower Upper
49 100
128 49.9 26.7 80.0
130 64.2 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.255 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 85 Resp: 31194
Ion Ratio Lower Upper
85 100
87 26.4 26.7 40.1#





#3
Chlorodifluoromethane
Concen: 1.180 ppbv
RT: 2.677 min Scan# 21
Delta R.T. -0.015 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

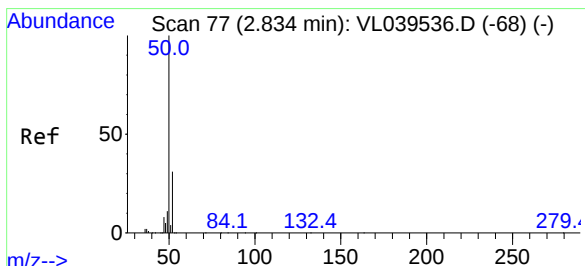
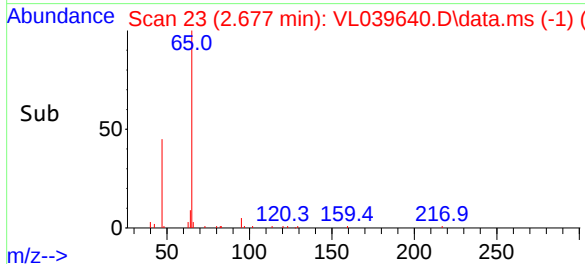
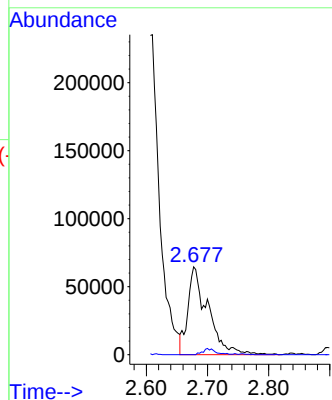
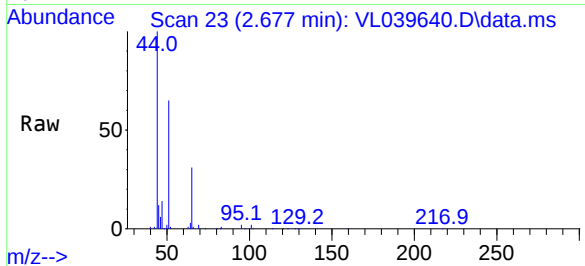
Instrument :

MSVOA_L

ClientSampleId :

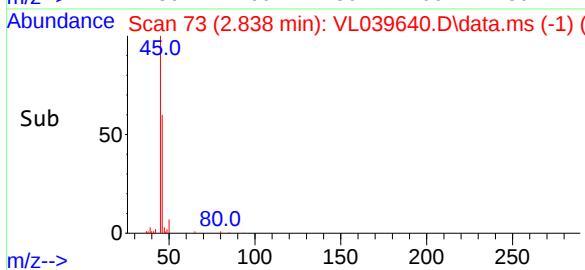
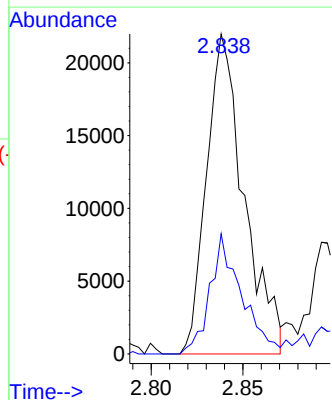
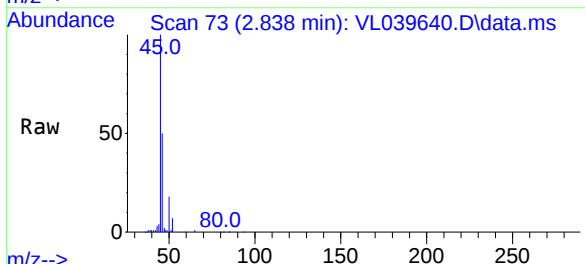
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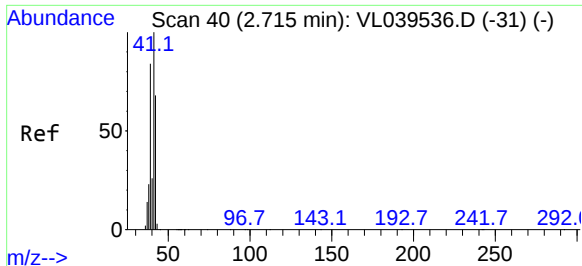
Tgt Ion: 51 Resp: 147567
Ion Ratio Lower Upper
51 100
67 5.0 15.7 23.5#



#4
Chloromethane
Concen: 0.415 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 50 Resp: 31290
Ion Ratio Lower Upper
50 100
52 37.5 26.5 39.7

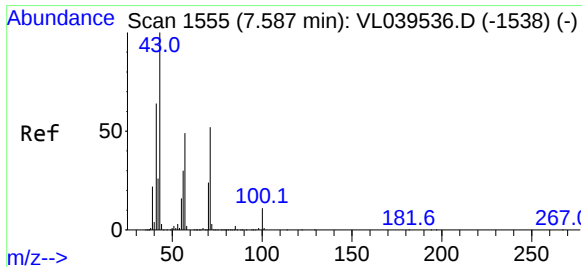
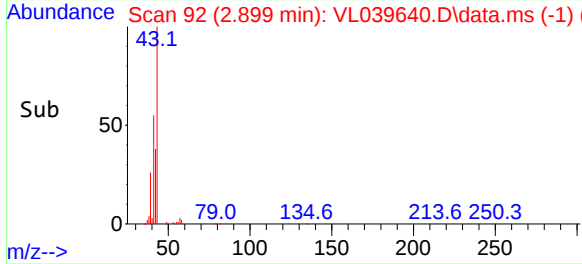
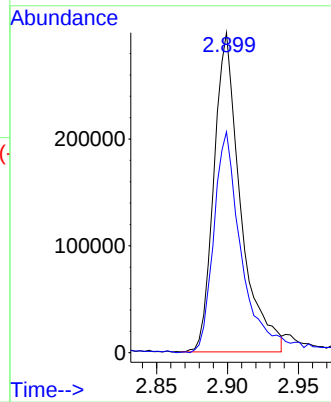
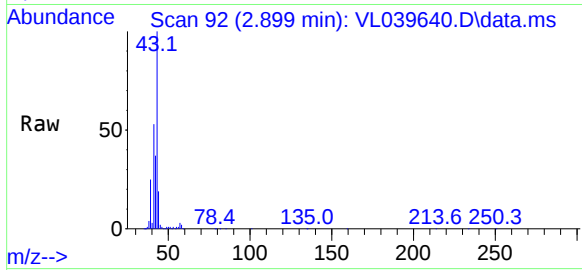




#9
 Propene
 Concen: 6.839 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.184 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

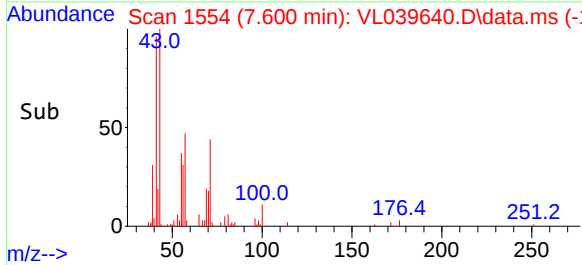
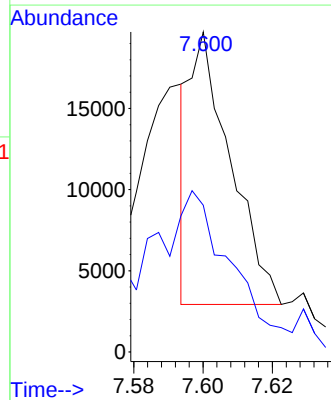
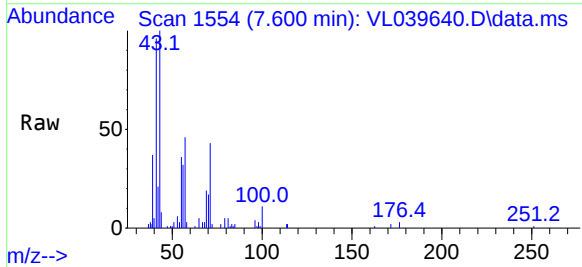
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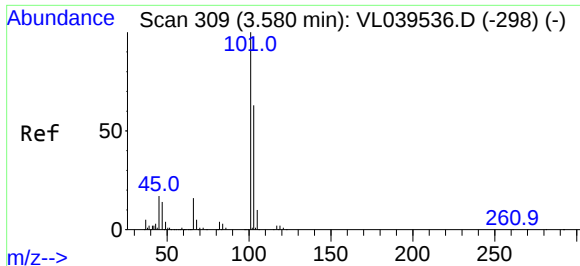
Tgt Ion: 41 Resp: 390511
 Ion Ratio Lower Upper
 41 100
 42 73.3 55.2 82.8



#10
 Heptane
 Concen: 0.102 ppbv
 RT: 7.600 min Scan# 1554
 Delta R.T. 0.013 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

Tgt Ion: 43 Resp: 13639
 Ion Ratio Lower Upper
 43 100
 57 141.8 40.5 60.7#

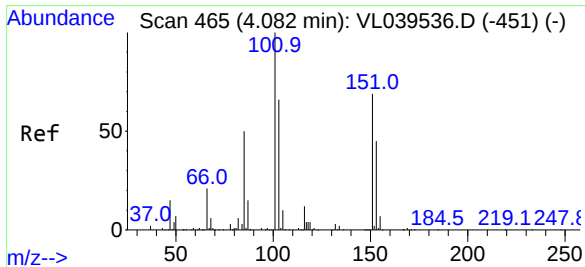
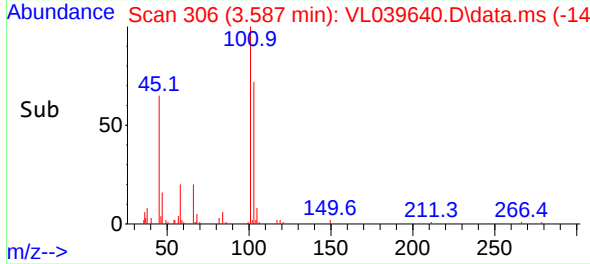
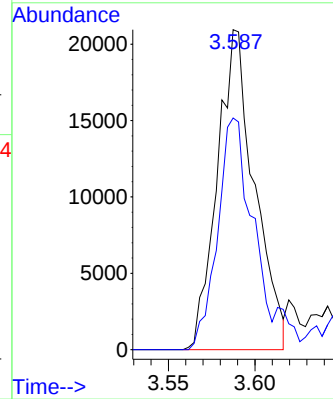
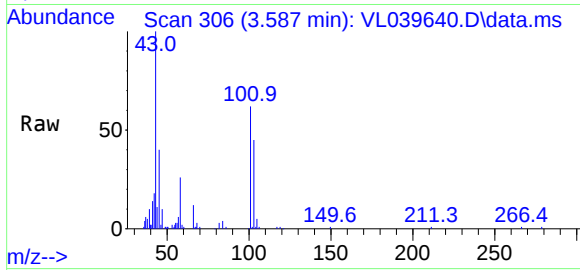




#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.587 min Scan# 309
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

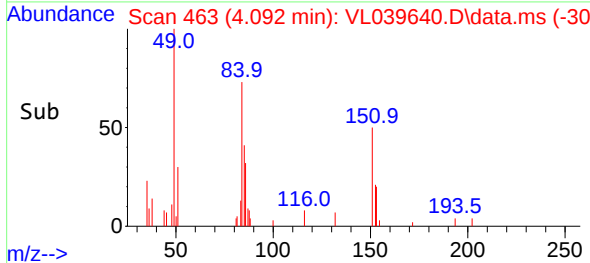
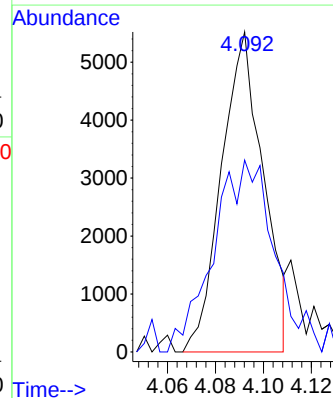
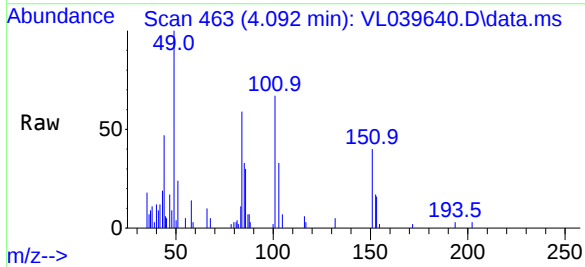
Instrument :
MSVOA_L
ClientSampleId :
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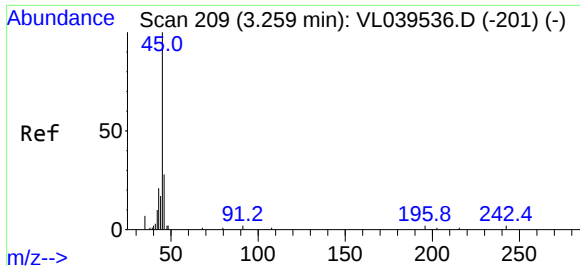
Tgt Ion:101 Resp: 31364
Ion Ratio Lower Upper
101 100
103 72.4 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.092 min Scan# 463
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion:101 Resp: 6714
Ion Ratio Lower Upper
101 100
151 89.3 58.9 88.3#

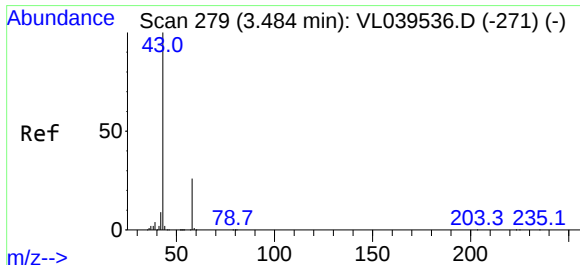
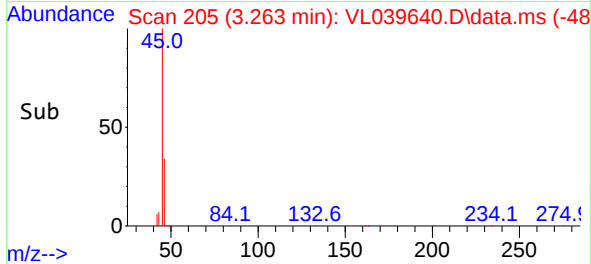
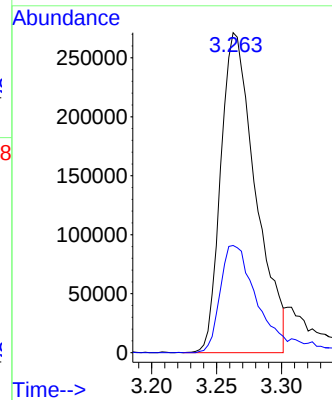
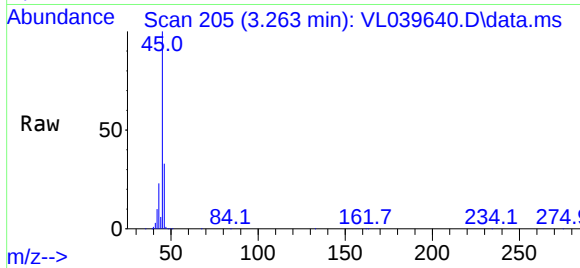




#13
Ethanol
Concen: 116.183 ppbv
RT: 3.263 min Scan# 209
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

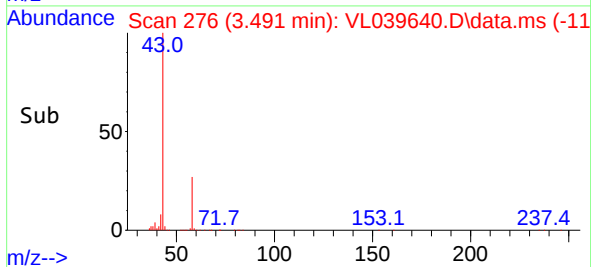
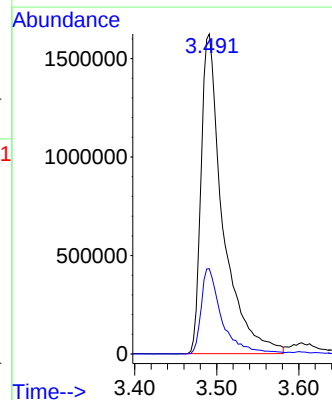
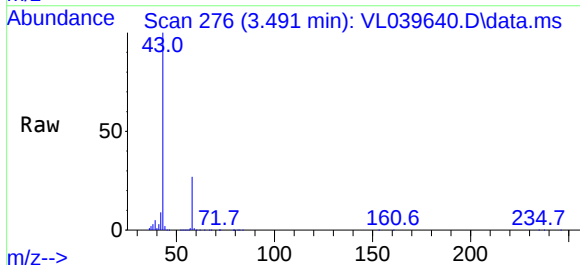
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MSVOA_L
ClientSampleId :
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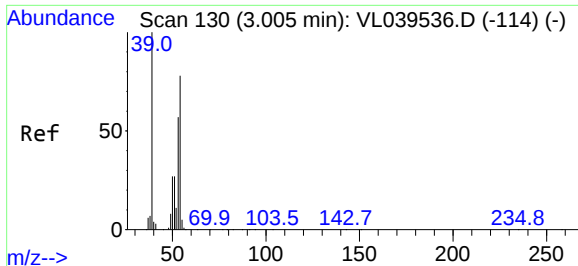
Tgt Ion: 45 Resp: 505511
Ion Ratio Lower Upper
45 100
46 39.7 22.8 91.2



#15
Acetone
Concen: 25.528 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 43 Resp: 2992903
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.6

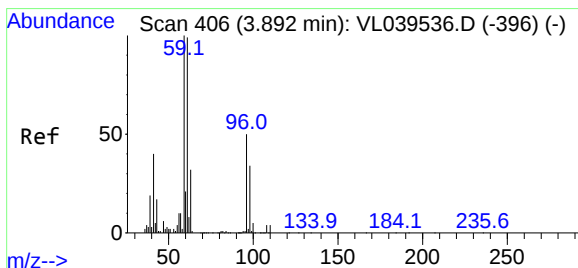
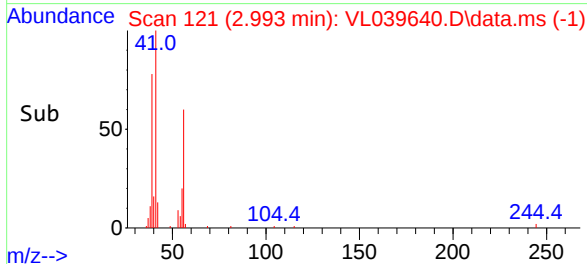
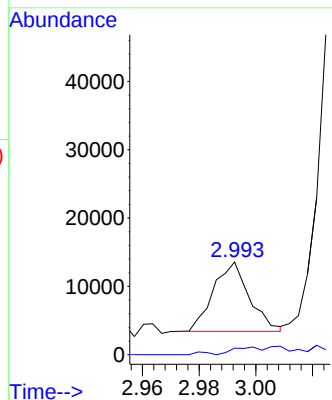
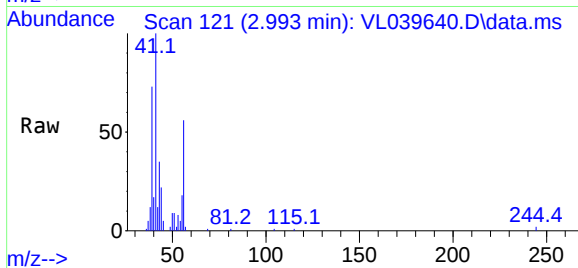




#16
1,3-Butadiene
Concen: 0.150 ppbv
RT: 2.993 min Scan# 11
Delta R.T. -0.012 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

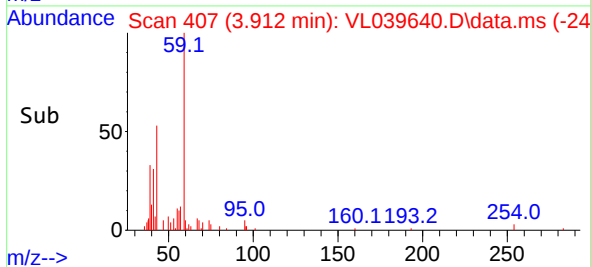
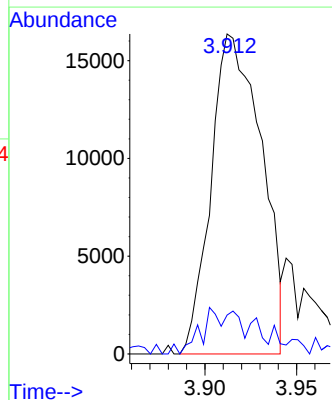
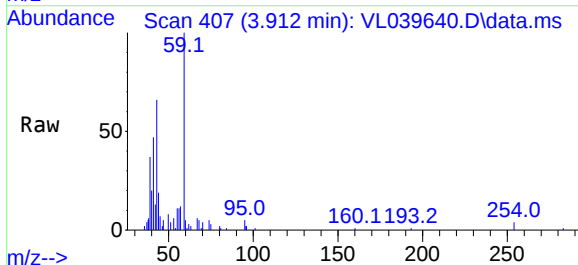
Instrument :
MSVOA_L
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COPF3

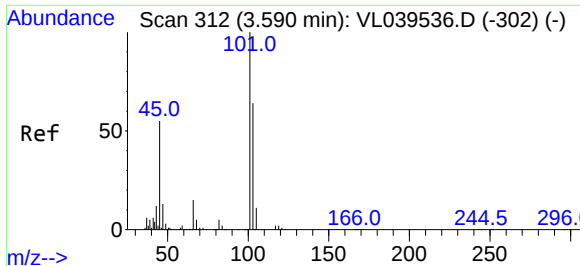
Tgt Ion: 39 Resp: 8932
Ion Ratio Lower Upper
39 100
54 0.0 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 0.297 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.020 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 59 Resp: 31201
Ion Ratio Lower Upper
59 100
57 16.8 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 3.532 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.014 min
Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

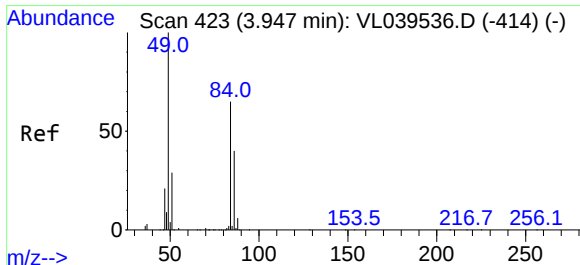
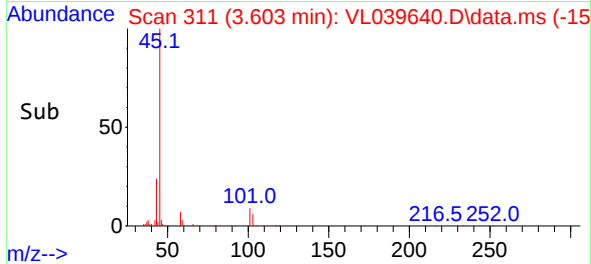
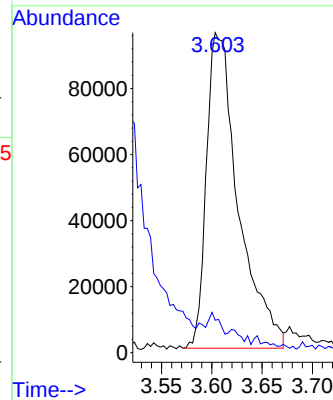
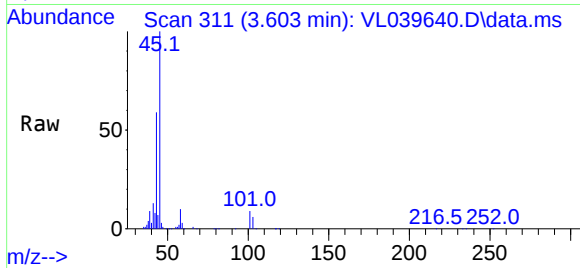
COPF3

Tgt Ion: 45 Resp: 211046

Ion Ratio Lower Upper

45 100

58 362.9 3.2 4.8#



#20

Methylene Chloride

Concen: 21.239 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Tgt Ion: 84 Resp: 1151237

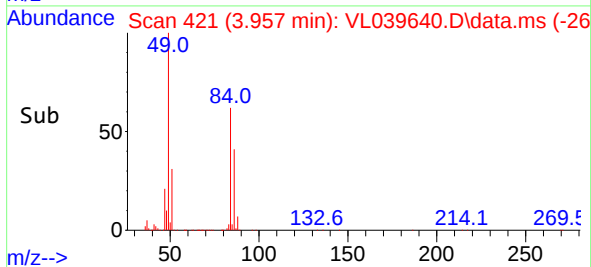
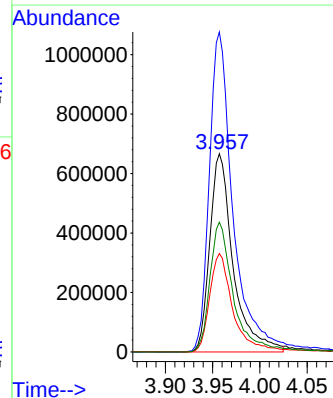
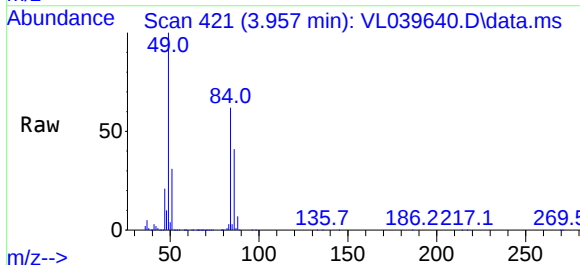
Ion Ratio Lower Upper

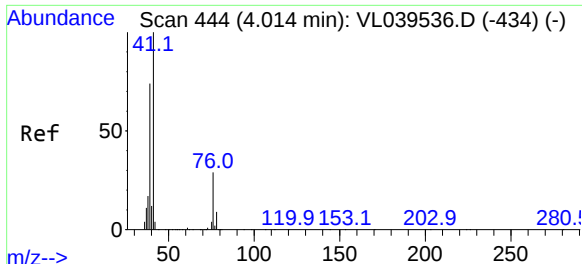
84 100

49 161.4 123.1 184.7

51 49.6 34.4 51.6

86 65.4 51.1 76.7

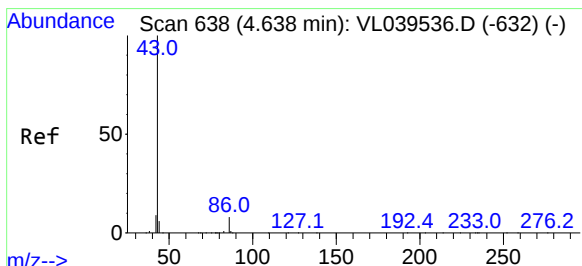
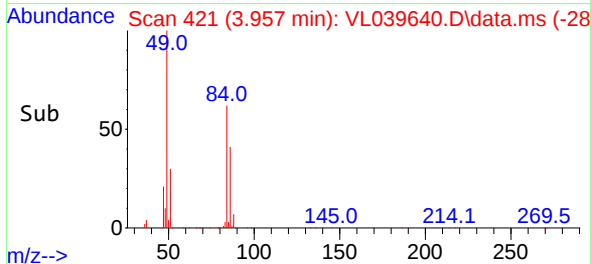
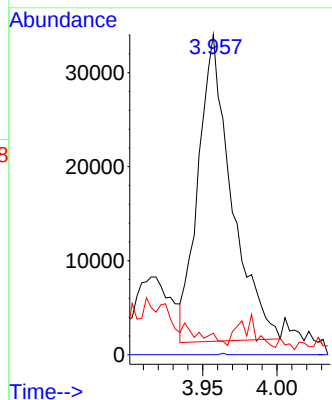
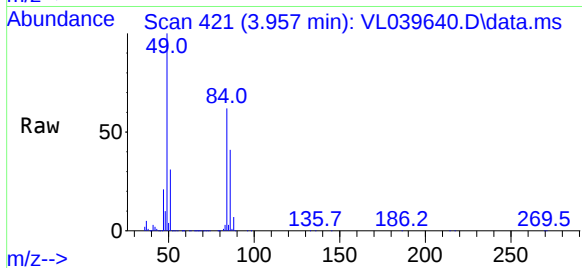




#21
 Allyl Chloride
 Concen: 0.635 ppbv
 RT: 3.957 min Scan# 41
 Delta R.T. -0.057 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

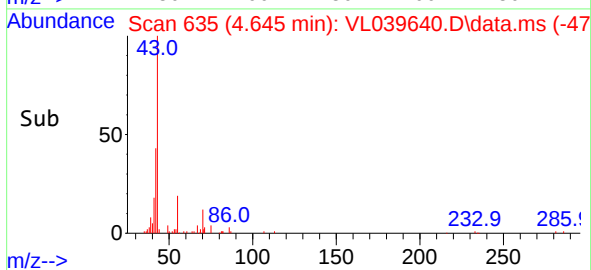
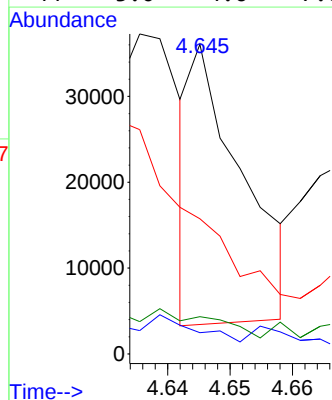
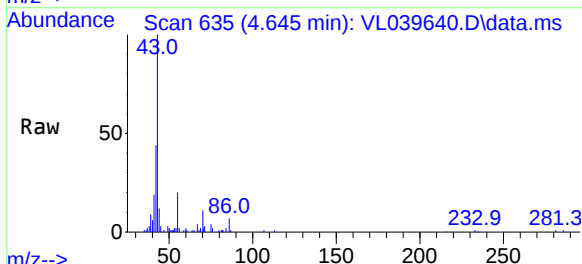
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3

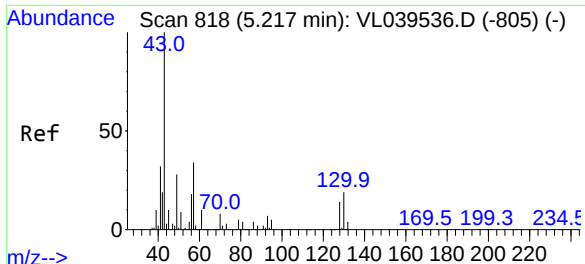
Tgt Ion: 41 Resp: 50679
 Ion Ratio Lower Upper
 41 100
 76 20.2 24.4 36.6#
 39 0.0 63.5 95.3#



#23
 Vinyl Acetate
 Concen: 0.352 ppbv
 RT: 4.645 min Scan# 635
 Delta R.T. 0.007 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

Tgt Ion: 43 Resp: 18675
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.0 7.6#
 42 42.2 7.7 11.5#
 44 3.0 4.6 7.0#





#25

Ethyl Acetate

Concen: 1.327 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.017 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

COPF3

Tgt Ion: 43 Resp: 339134

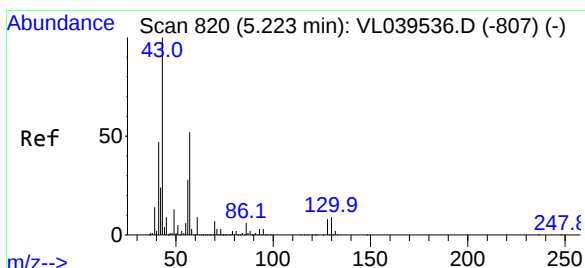
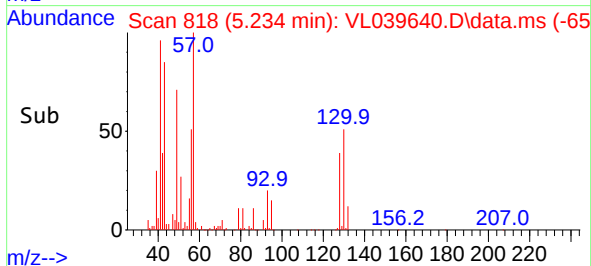
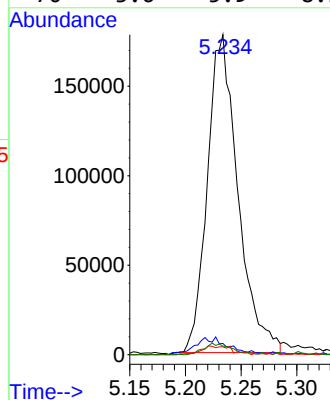
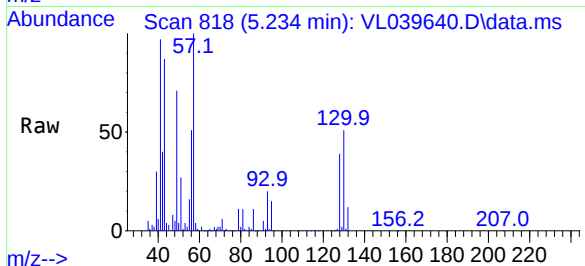
Ion Ratio Lower Upper

43 100

45 6.7 8.2 12.4#

61 3.0 8.3 12.5#

70 3.6 5.9 8.9#



#26

Hexane

Concen: 3.574 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.010 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Tgt Ion: 57 Resp: 387693

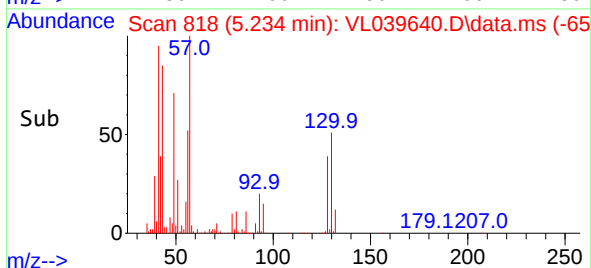
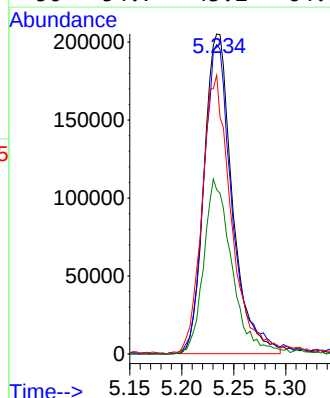
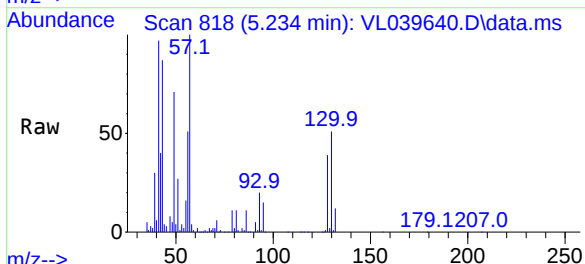
Ion Ratio Lower Upper

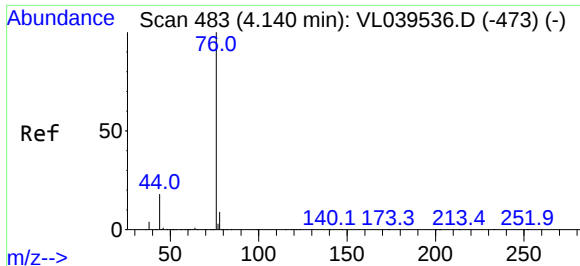
57 100

41 98.6 76.9 115.3

43 91.2 191.0 286.6#

56 54.7 43.2 64.8





#27

Carbon Disulfide

Concen: 0.071 ppbv

RT: 4.144 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

COPF3

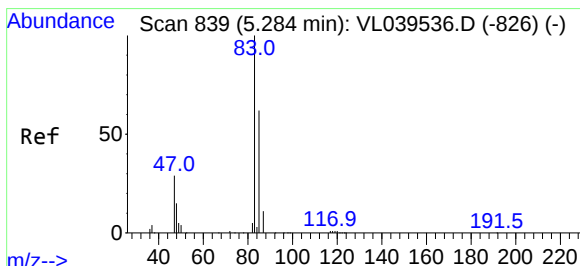
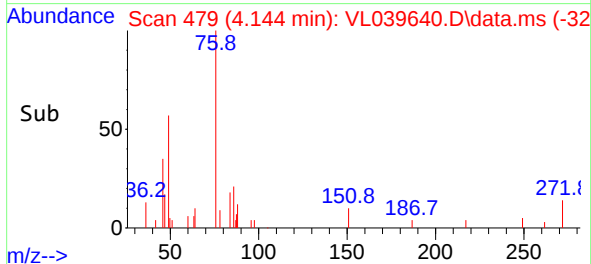
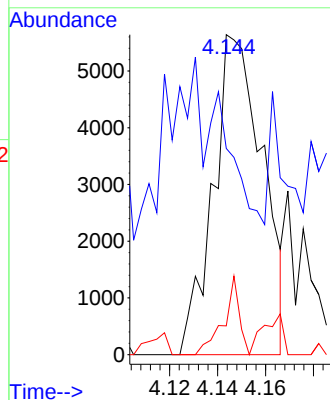
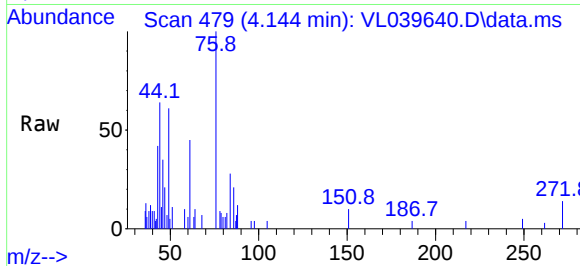
Tgt Ion: 76 Resp: 8041

Ion Ratio Lower Upper

76 100

44 61.2 14.6 21.8#

78 11.8 7.8 11.6#



#29

Chloroform

Concen: 0.043 ppbv

RT: 5.330 min Scan# 848

Delta R.T. 0.046 min

Lab File: VL039640.D

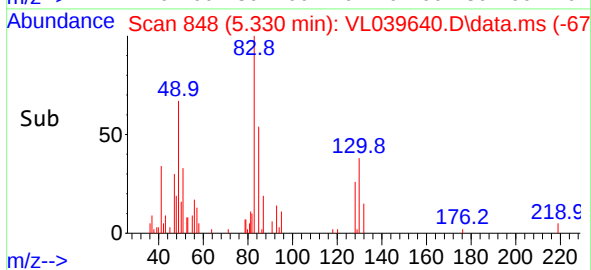
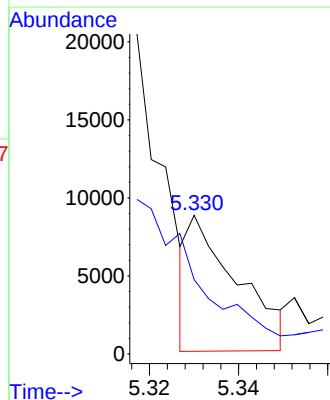
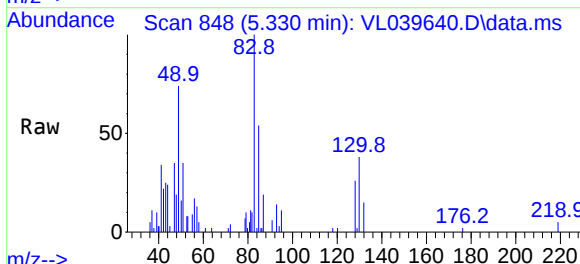
Acq: 21 Sep 2022 18:19

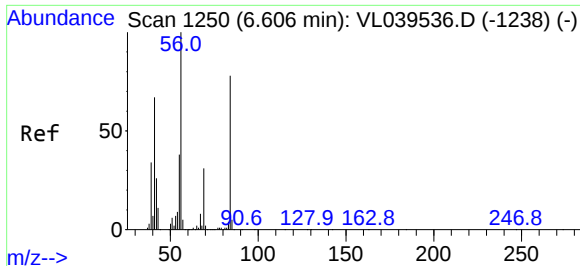
Tgt Ion: 83 Resp: 6698

Ion Ratio Lower Upper

83 100

85 65.0 52.8 79.2

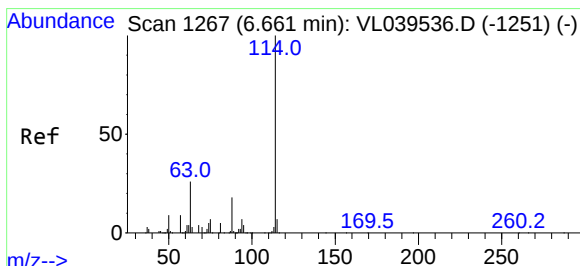
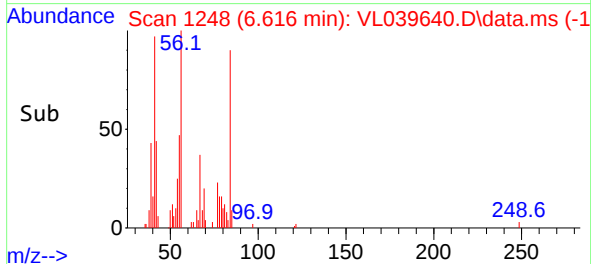
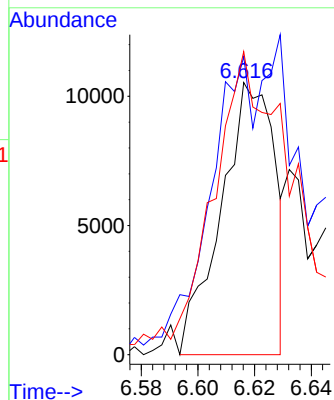
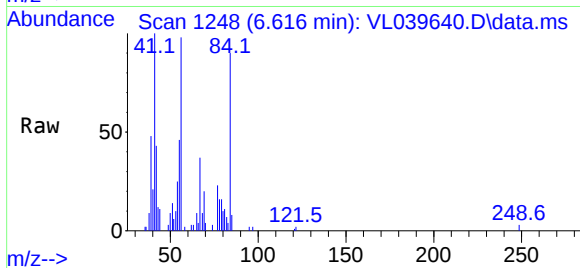




#30
Cyclohexane
Concen: 0.165 ppbv
RT: 6.616 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

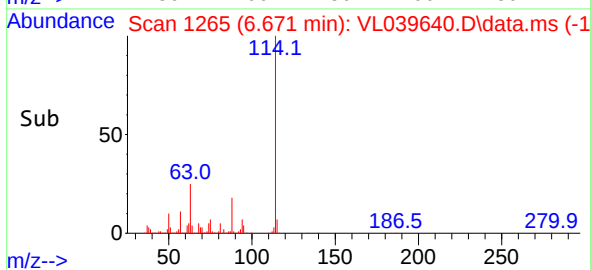
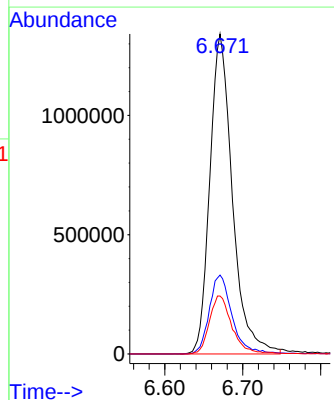
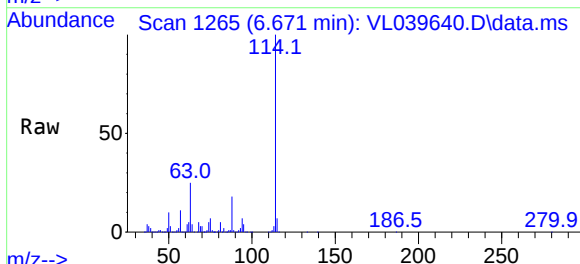
Instrument :
MSVOA_L
ClientSampleId :
COPF3

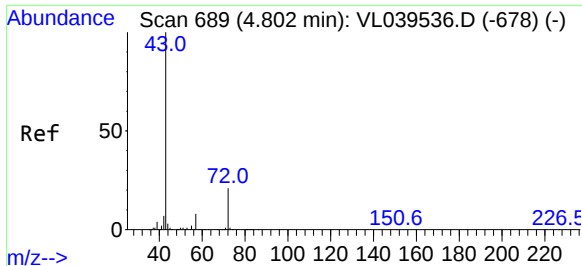
Tgt Ion: 84 Resp: 13833
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 174.6 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 114 Resp: 2692526
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.4 14.5 21.7

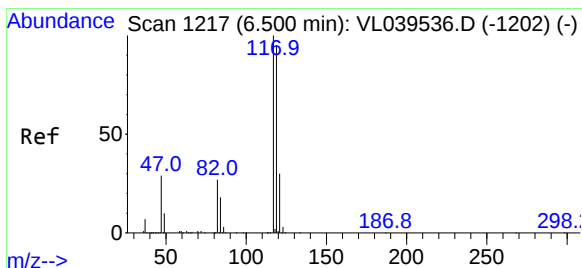
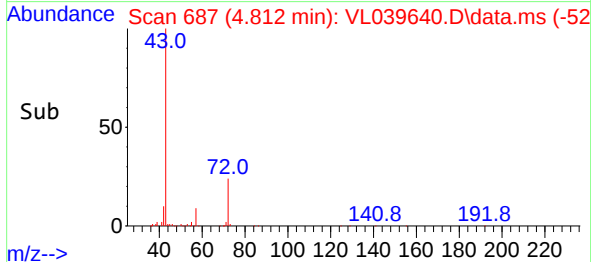
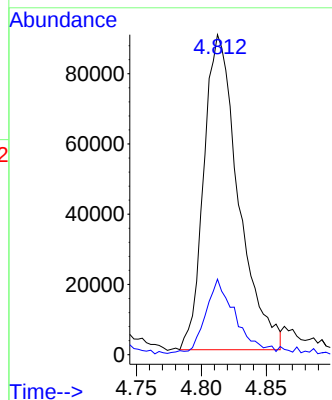
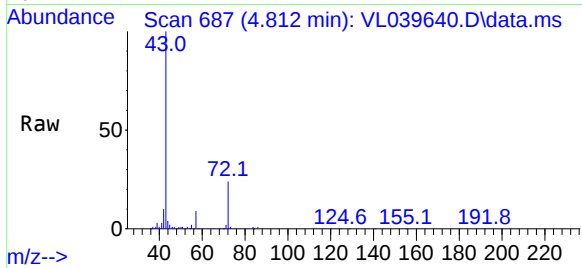




#34
2-Butanone
Concen: 1.259 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

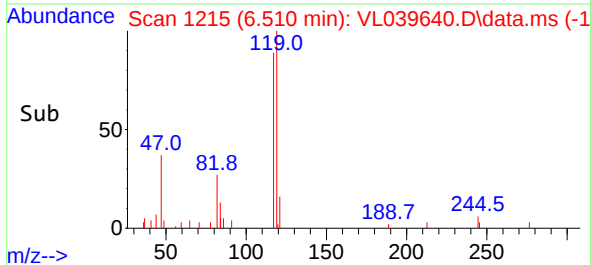
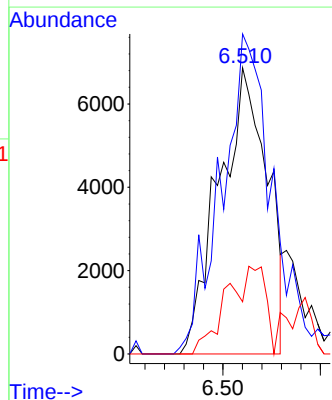
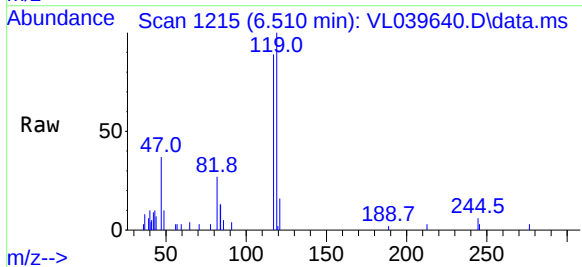
Instrument :
MSVOA_L
ClientSampleId :
COPF3

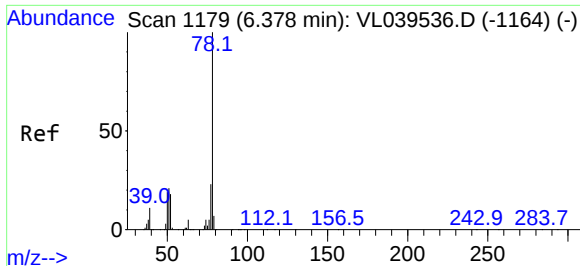
Tgt Ion: 43 Resp: 166531
Ion Ratio Lower Upper
43 100
72 22.5 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.083 ppbv
RT: 6.510 min Scan# 1215
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 117 Resp: 11794
Ion Ratio Lower Upper
117 100
119 112.1 75.4 113.2
121 18.3 24.2 36.2#

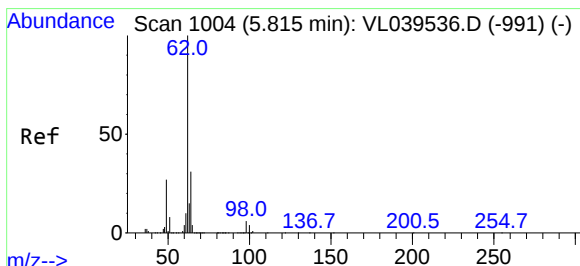
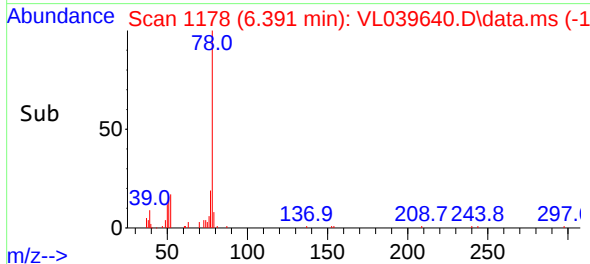
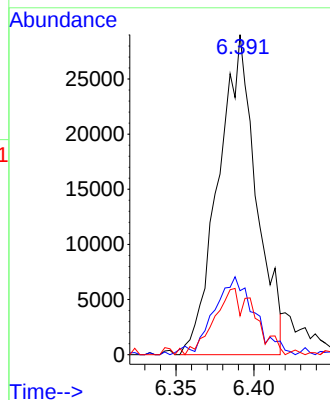
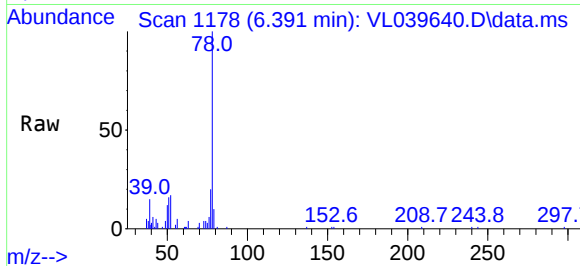




#36
Benzene
Concen: 0.240 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

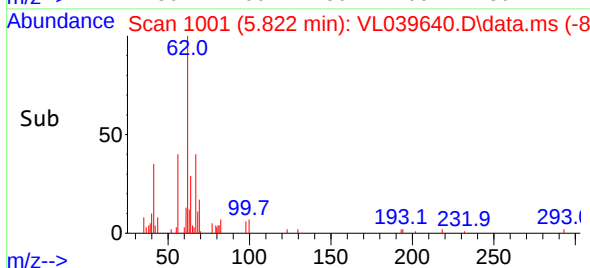
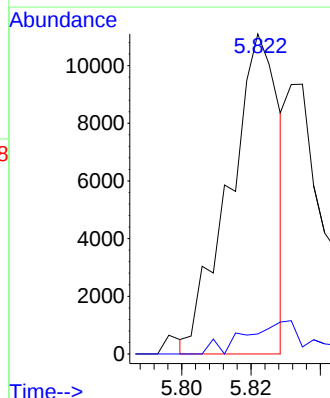
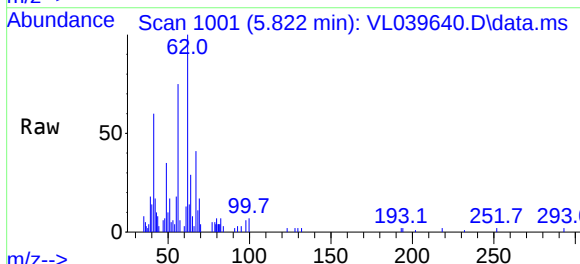
Instrument :
MSVOA_L
ClientSampleId :
COPF3

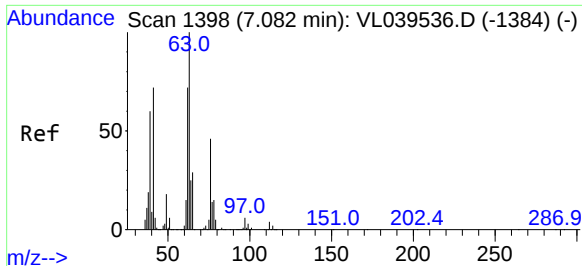
Tgt Ion: 78 Resp: 49318
Ion Ratio Lower Upper
78 100
77 18.3 20.3 30.5#
50 10.2 15.5 23.3#



#37
1,2-Dichloroethane
Concen: 0.098 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 62 Resp: 10987
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7#





#39

1,2-Dichloropropane

Concen: 8.150 ppbv

RT: 6.671 min Scan# 1

Delta R.T. -0.411 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

COPF3

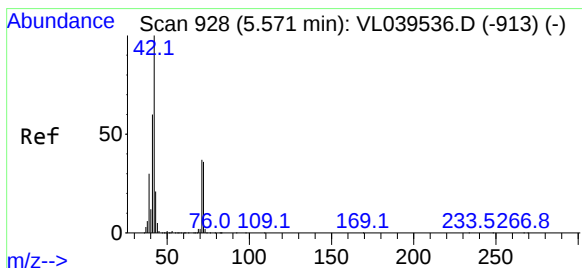
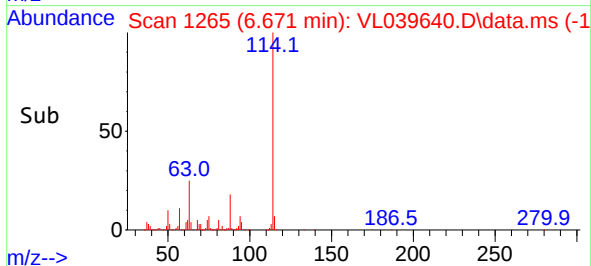
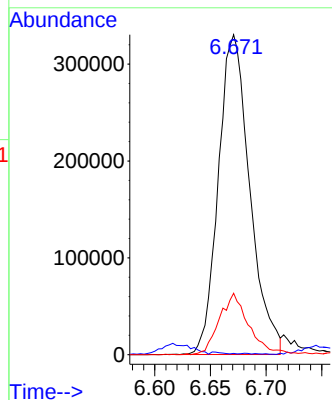
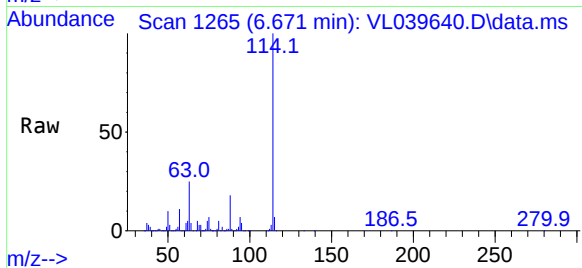
Tgt Ion: 63 Resp: 647799

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 19.2 51.4 77.0#



#41

Tetrahydrofuran

Concen: 0.056 ppbv

RT: 5.590 min Scan# 929

Delta R.T. 0.020 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

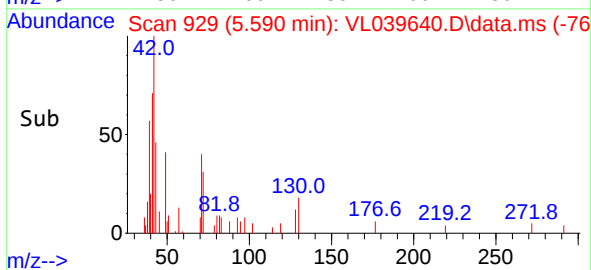
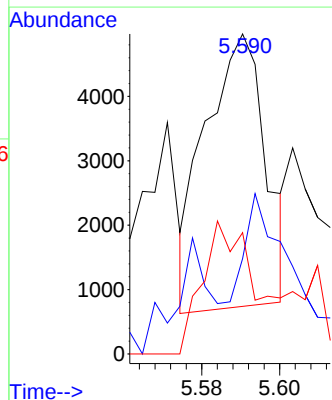
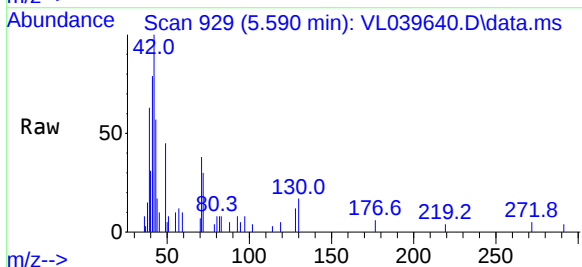
Tgt Ion: 42 Resp: 4569

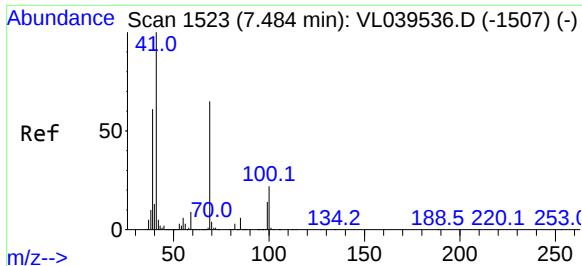
Ion Ratio Lower Upper

42 100

72 91.3 31.8 47.8#

71 68.4 31.8 47.8#





#43

Methyl Methacrylate

Concen: 1.123 ppbv

RT: 7.494 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

COPF3

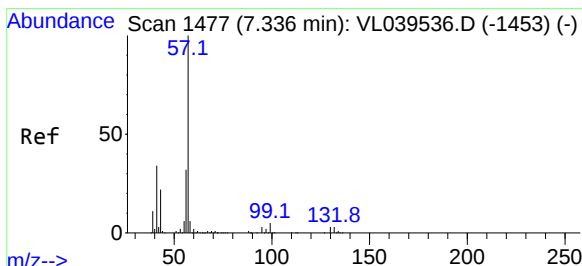
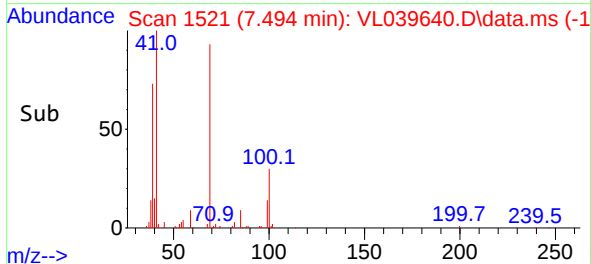
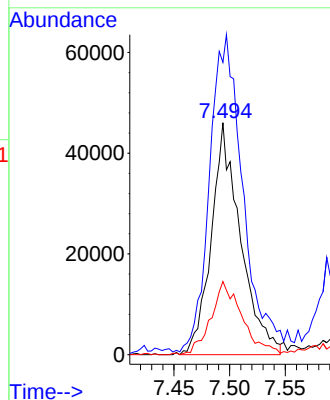
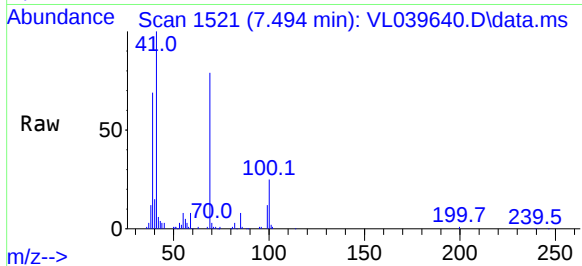
Tgt Ion: 69 Resp: 84248

Ion Ratio Lower Upper

69 100

41 157.2 120.8 181.2

100 33.7 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 0.055 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.007 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

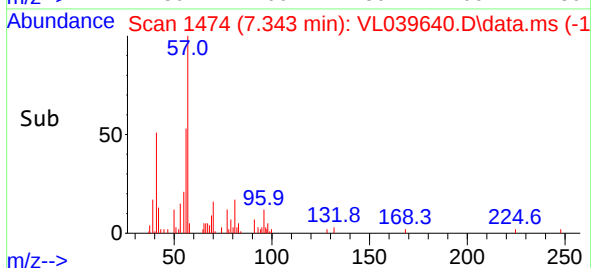
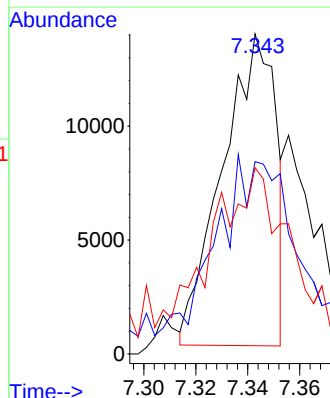
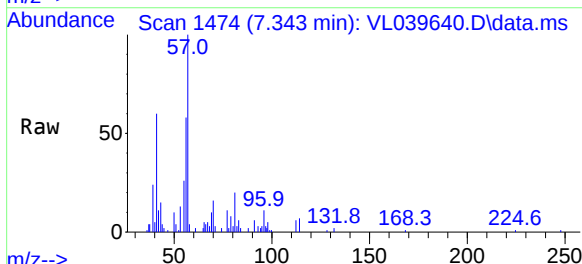
Tgt Ion: 57 Resp: 19587

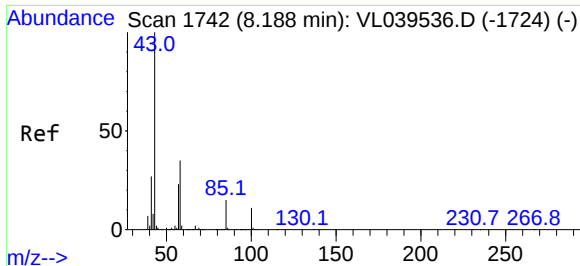
Ion Ratio Lower Upper

57 100

41 106.9 27.4 41.2#

56 123.8 24.5 36.7#

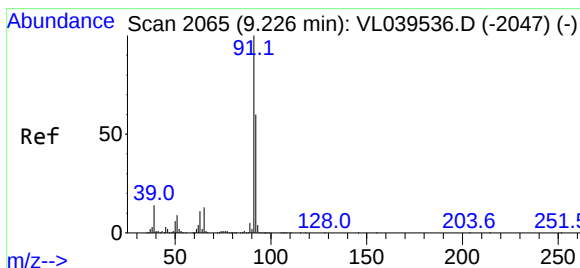
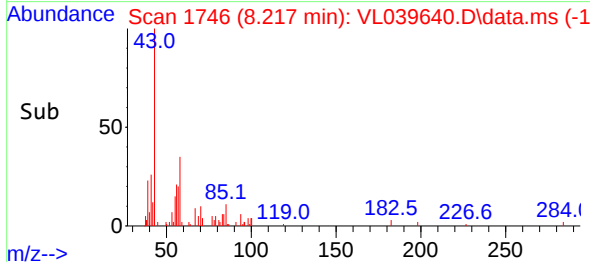
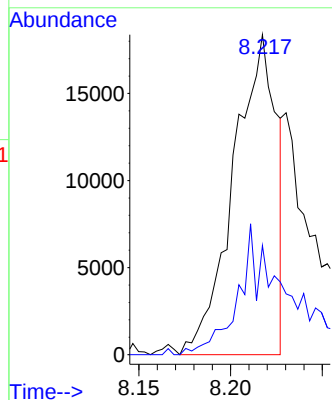
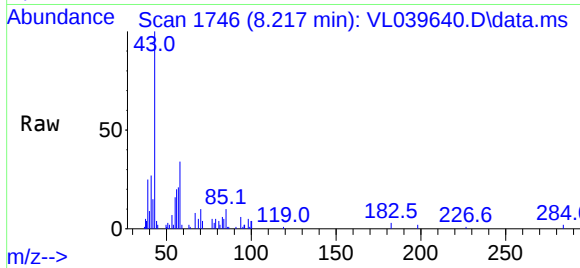




#50
4-Methyl-2-Pentanone
Concen: 0.144 ppbv
RT: 8.217 min Scan# 11
Delta R.T. 0.030 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

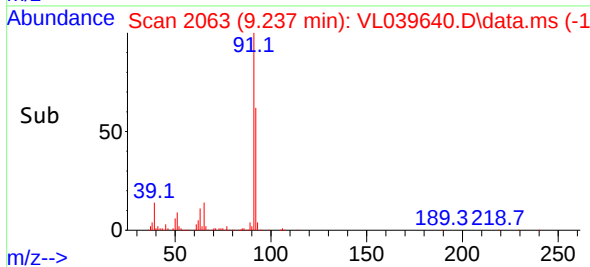
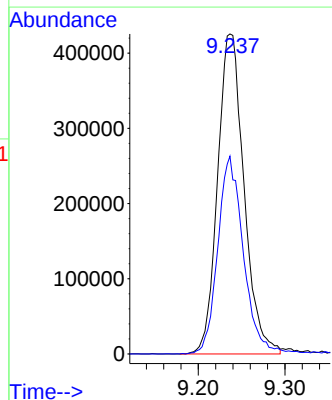
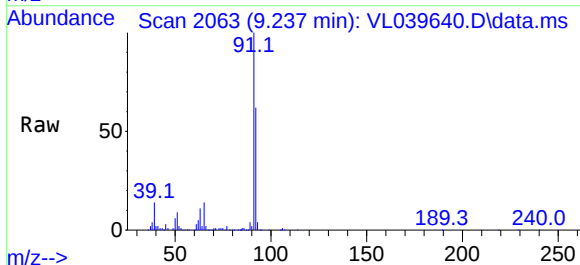
Instrument :
MSVOA_L
ClientSampleId :
COPF3

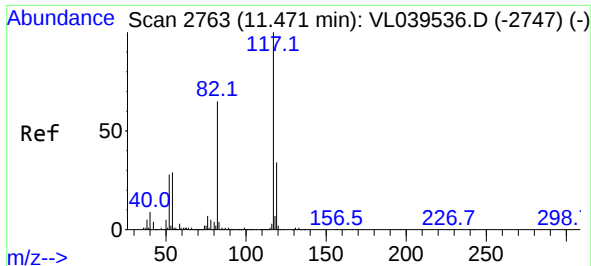
Tgt Ion: 43 Resp: 29880
Ion Ratio Lower Upper
43 100
58 49.2 28.8 43.2#



#53
Toluene
Concen: 3.936 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 91 Resp: 901067
Ion Ratio Lower Upper
91 100
92 60.1 48.2 72.2



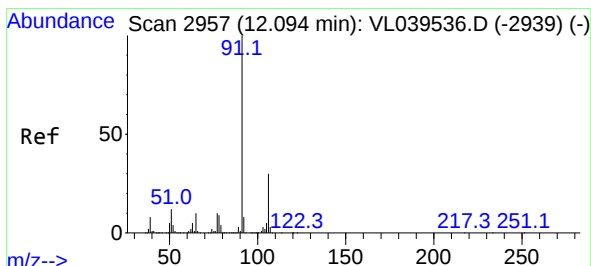
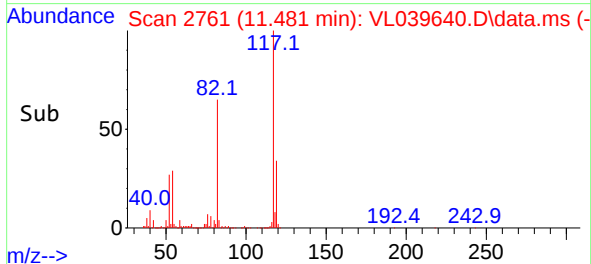
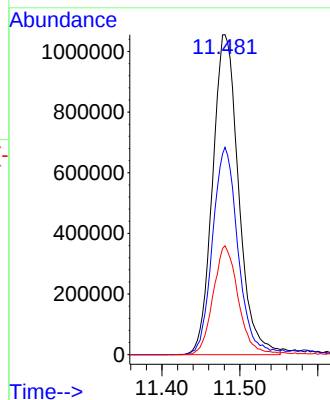
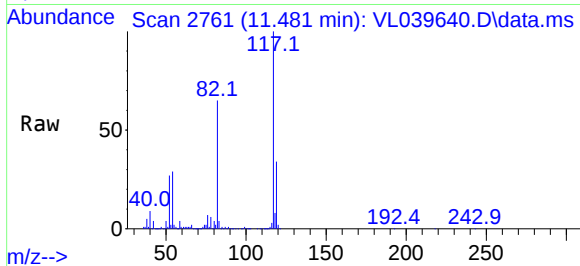


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
COPF3

Tgt Ion:117 Resp: 2446774

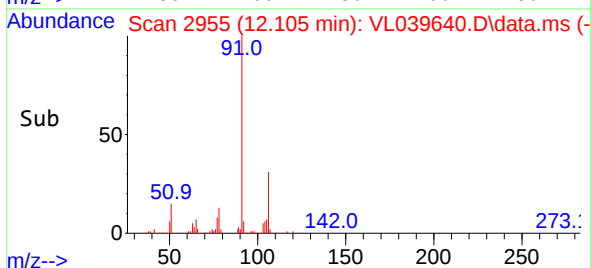
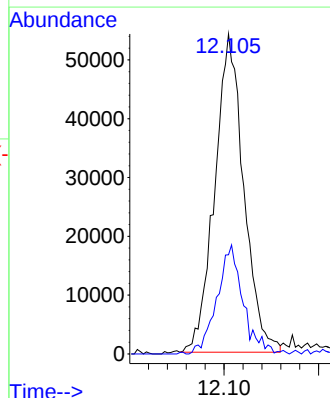
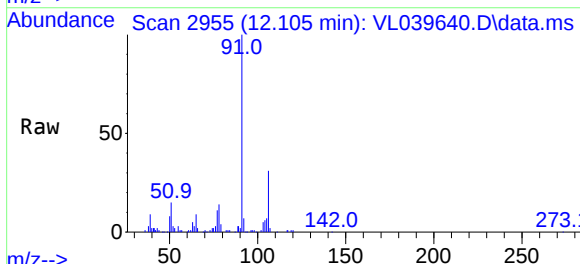
Ion	Ratio	Lower	Upper
117	100		
82	63.6	50.8	76.2
119	33.7	24.1	36.1

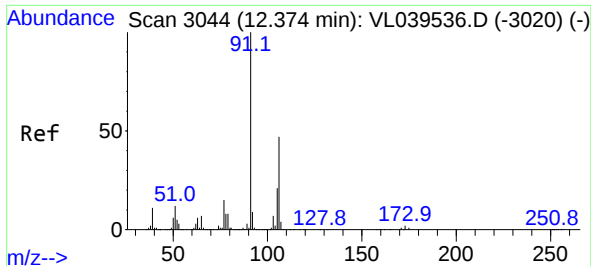


#58
Ethyl Benzene
Concen: 0.410 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 91 Resp: 115628

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.4	38.0

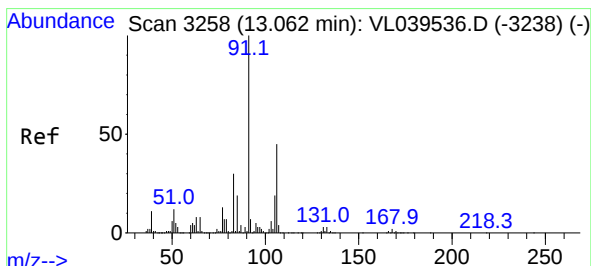
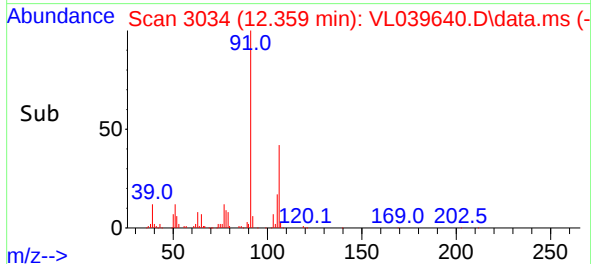
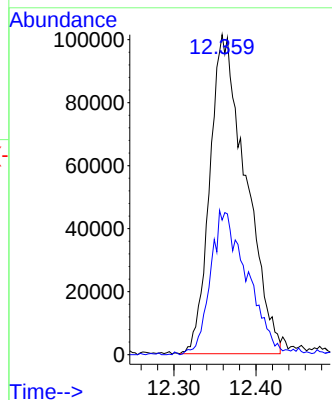
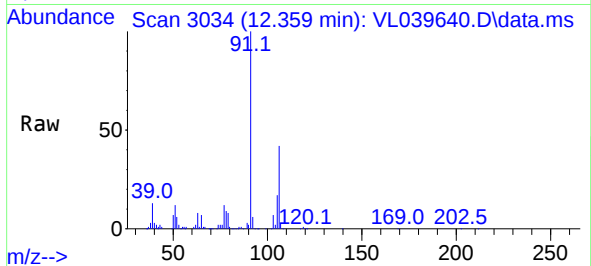




#59
m/p-Xylene
Concen: 1.235 ppbv
RT: 12.359 min Scan# 3044
Delta R.T. -0.015 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

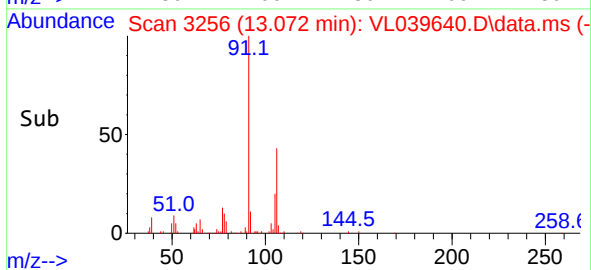
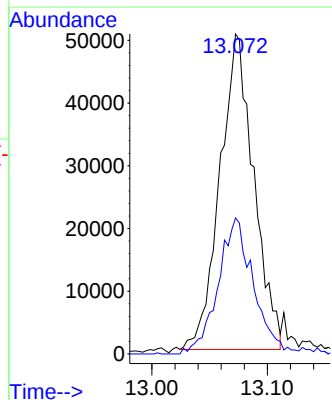
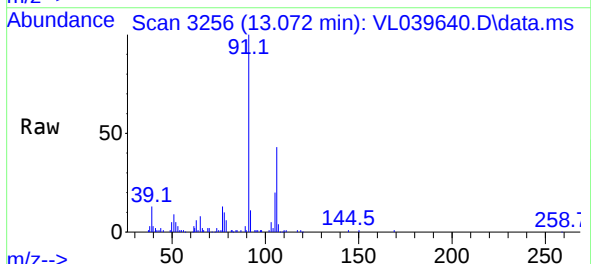
Instrument :
MSVOA_L
ClientSampleId :
COPF3

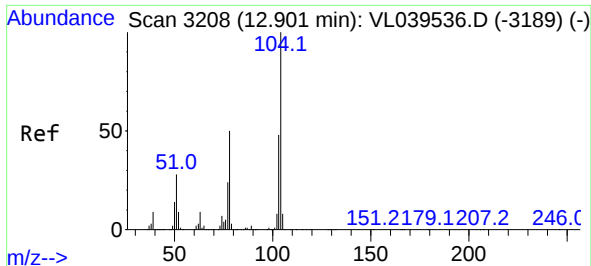
Tgt Ion: 91 Resp: 310104
Ion Ratio Lower Upper
91 100
106 46.4 35.4 53.2



#60
o-Xylene
Concen: 0.428 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 91 Resp: 102628
Ion Ratio Lower Upper
91 100
106 45.8 22.4 67.3

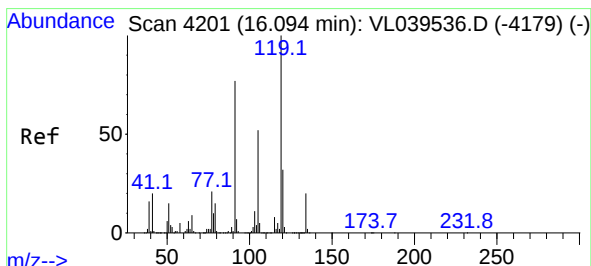
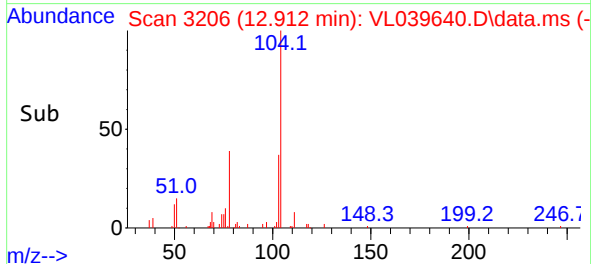
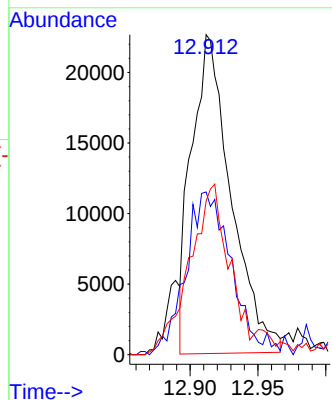
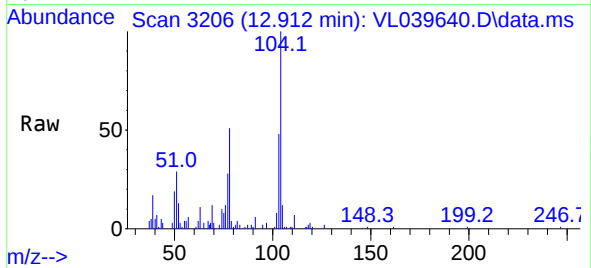




#61
Styrene
Concen: 0.354 ppbv
RT: 12.912 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

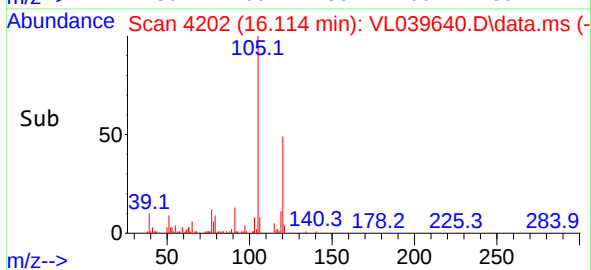
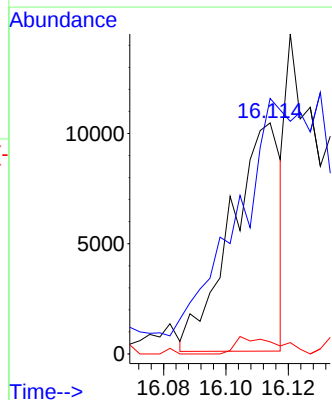
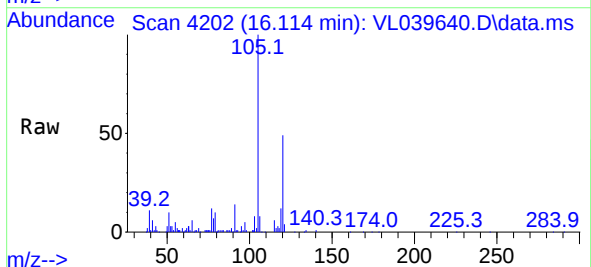
Instrument :
MSVOA_L
ClientSampleId :
COPF3

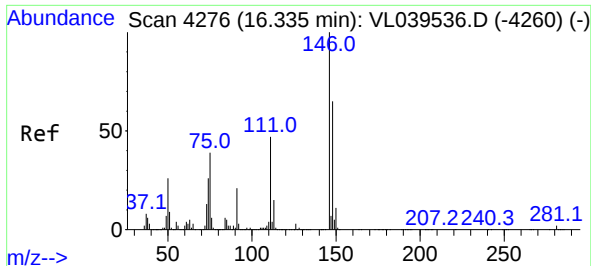
Tgt Ion:104 Resp: 45745
Ion Ratio Lower Upper
104 100
78 60.1 41.2 61.8
103 58.9 38.7 58.1#



#65
tert-Butylbenzene
Concen: 0.036 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. 0.020 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion:119 Resp: 11436
Ion Ratio Lower Upper
119 100
91 0.0 63.4 95.2#
134 11.8 15.9 23.9#

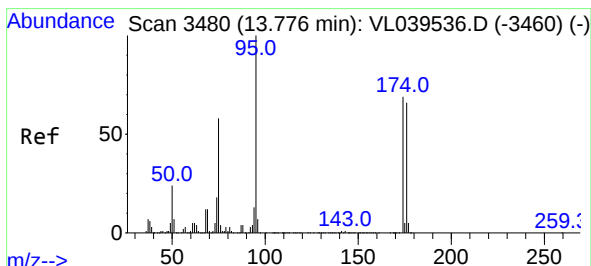
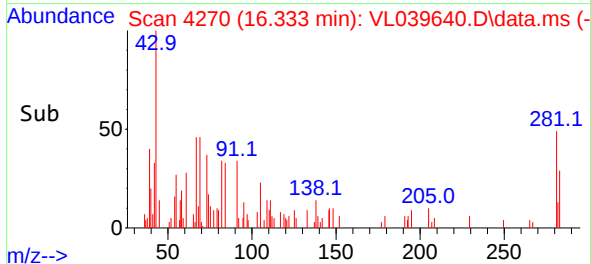
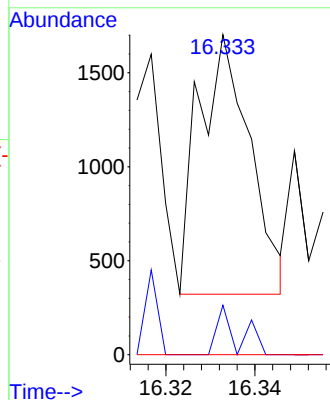
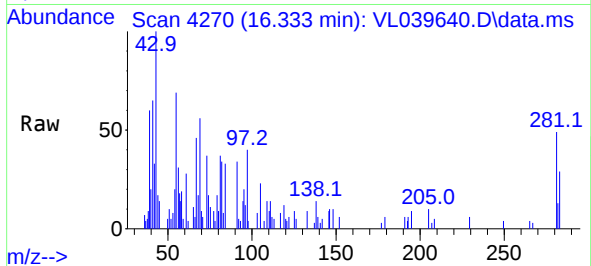




#66
Benzyl Chloride
Concen: 0.044 ppbv
RT: 16.333 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

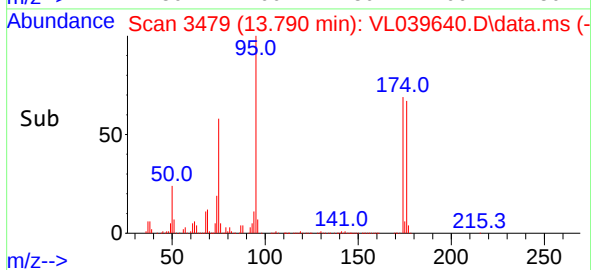
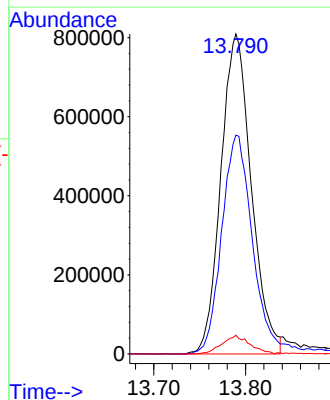
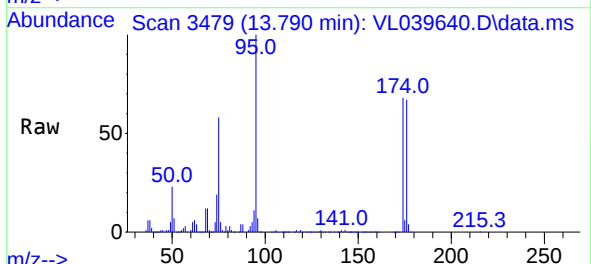
Instrument :
MSVOA_L
ClientSampleId :
COPF3

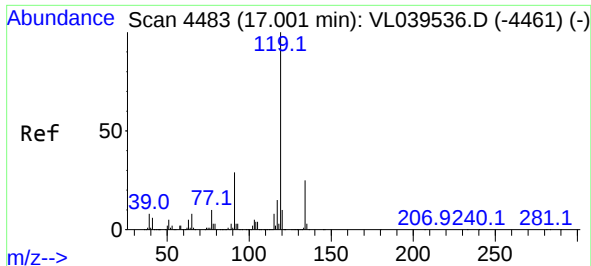
Tgt Ion: 91 Resp: 1107
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.204 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 95 Resp: 1863745
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.5 4.2 6.4

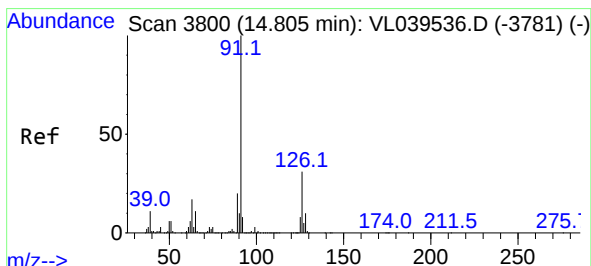
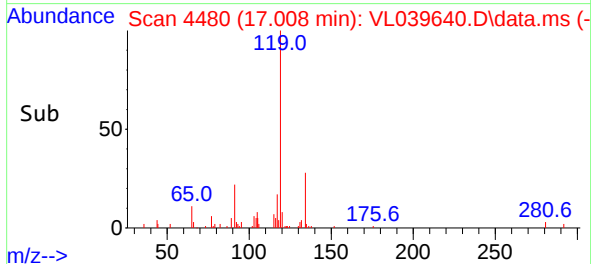
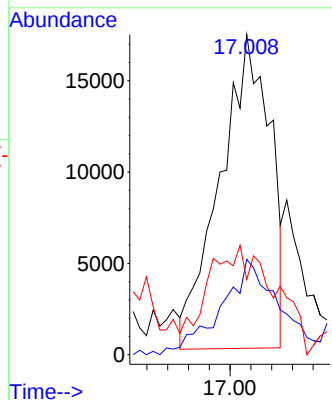
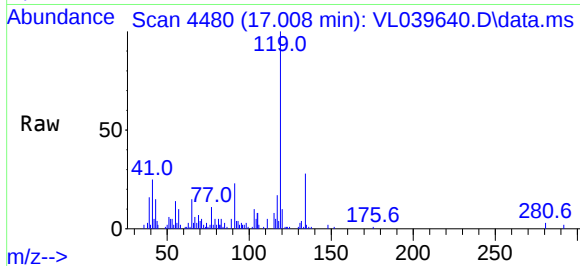




#69
p-Isopropyltoluene
Concen: 0.078 ppbv
RT: 17.008 min Scan# 4480
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

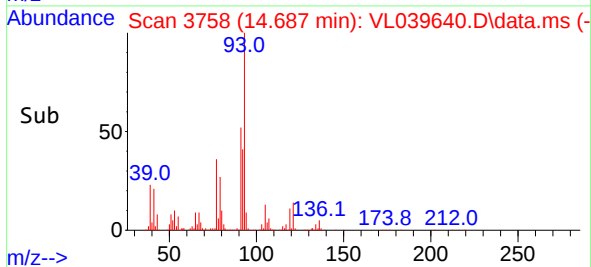
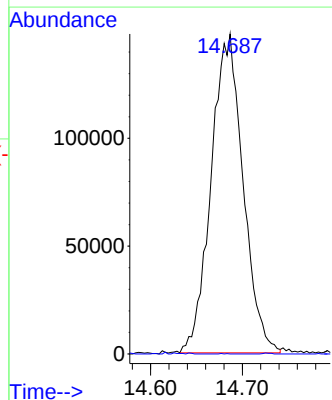
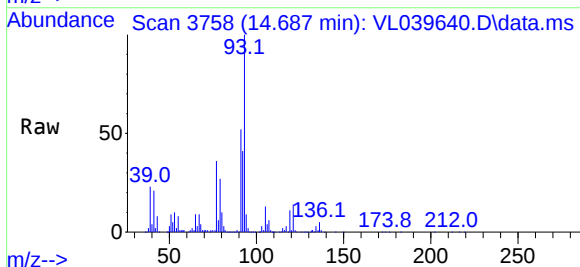
Instrument :
MSVOA_L
ClientSampleId :
COPF3

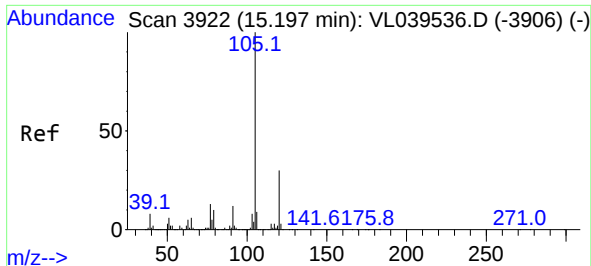
Tgt Ion: 119 Resp: 28829
Ion Ratio Lower Upper
119 100
134 37.8 20.3 30.5#
91 50.5 22.9 34.3#



#71
2-Chlorotoluene
Concen: 1.376 ppbv
RT: 14.687 min Scan# 3758
Delta R.T. -0.118 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 91 Resp: 358489
Ion Ratio Lower Upper
91 100
126 0.1 13.0 51.8#

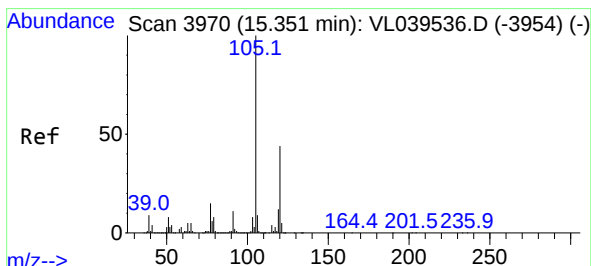
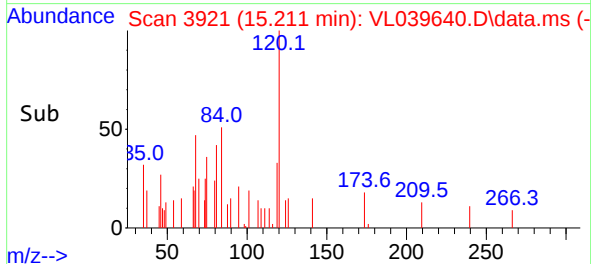
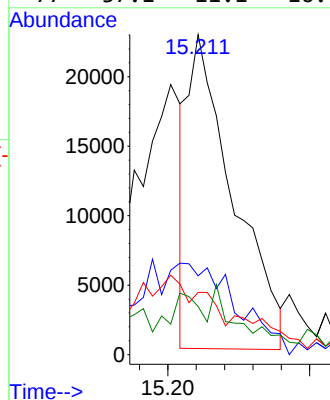
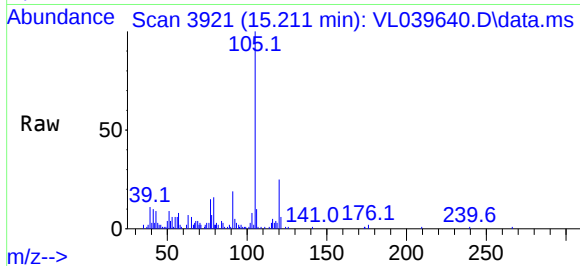




#72
4-Ethyltoluene
Concen: 0.092 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.013 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

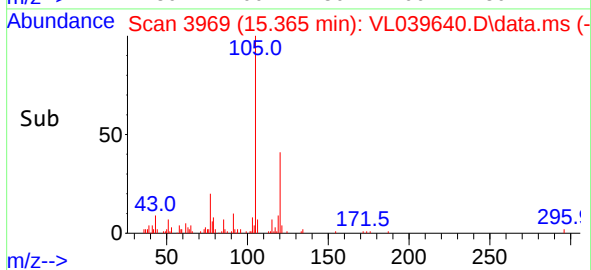
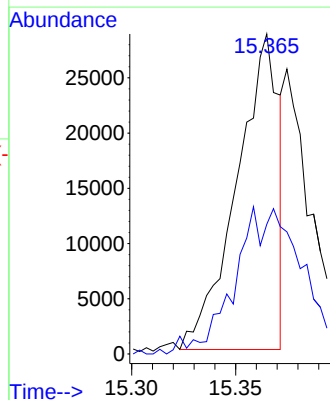
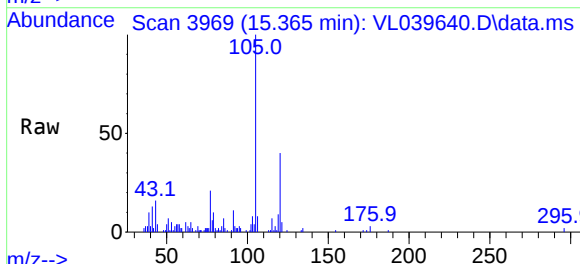
Instrument :
MSVOA_L
ClientSampleId :
COPF3

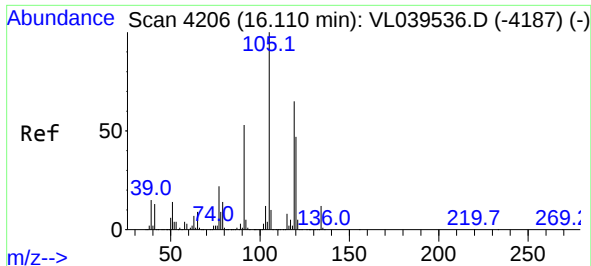
Tgt Ion:	105	Resp:	25179
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	0.0	10.2	15.4#
77	37.1	11.1	16.7#



#73
1,3,5-Trimethylbenzene
Concen: 0.160 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion:	105	Resp:	39993
Ion	Ratio	Lower	Upper
105	100		
120	35.4	38.2	57.4#

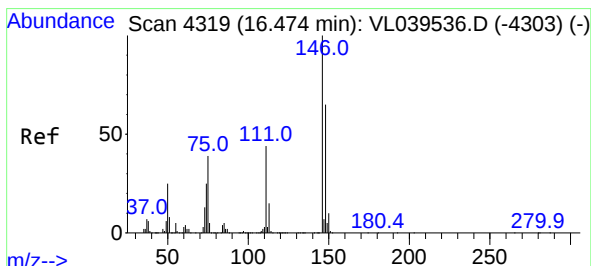
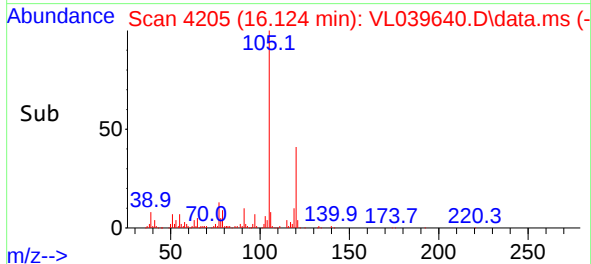
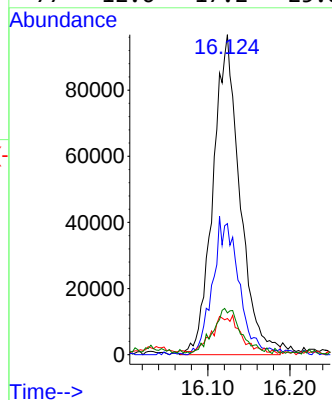
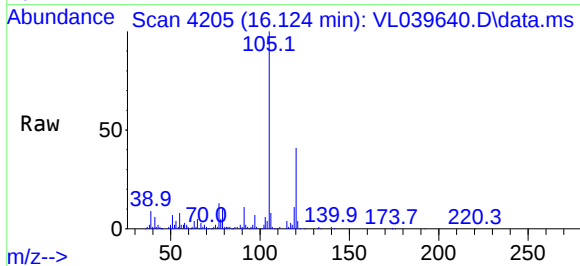




#74
1,2,4-Trimethylbenzene
Concen: 0.786 ppbv
RT: 16.124 min Scan# 4187
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

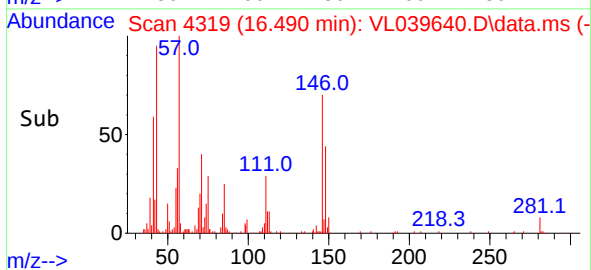
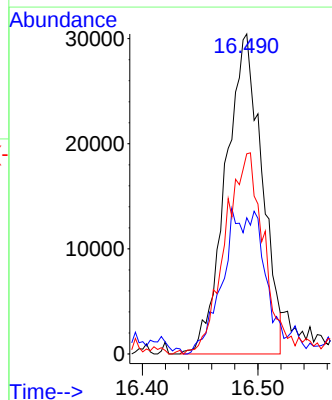
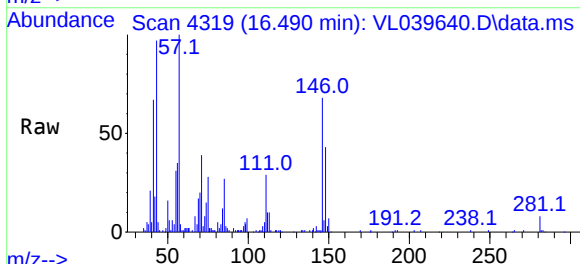
Instrument :
MSVOA_L
ClientSampleId :
COPF3

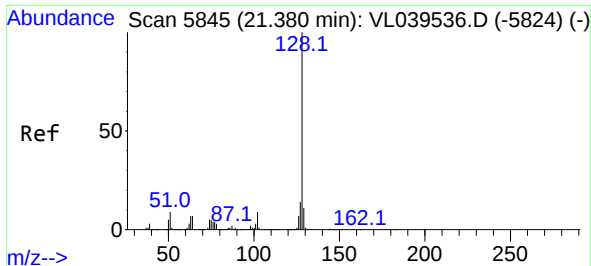
Tgt Ion:	105	Resp:	220691
Ion	Ratio	Lower	Upper
105	100		
120	40.5	39.5	59.3
91	10.4	39.2	58.8#
77	12.6	17.2	25.8#



#76
1,4-Dichlorobenzene
Concen: 0.395 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.017 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

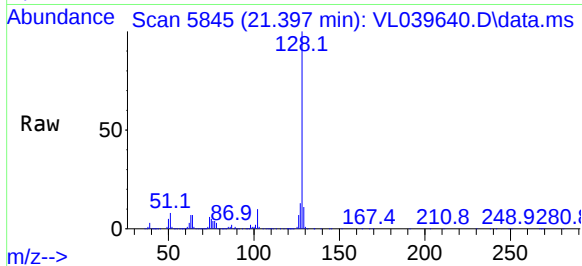
Tgt Ion:	146	Resp:	66168
Ion	Ratio	Lower	Upper
146	100		
111	58.6	22.9	68.8
148	72.8	33.6	100.8





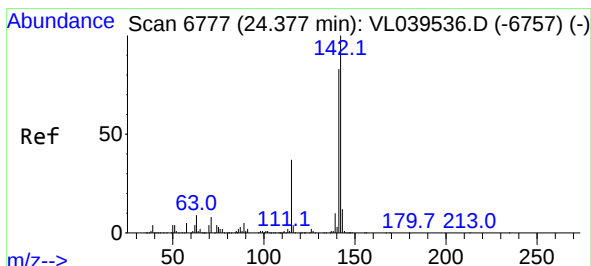
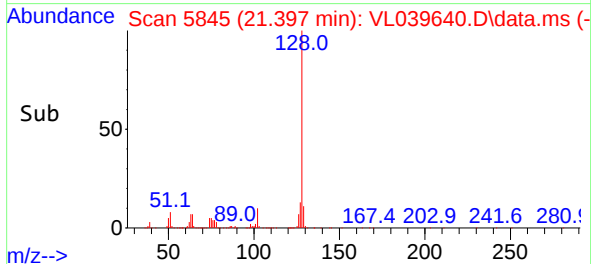
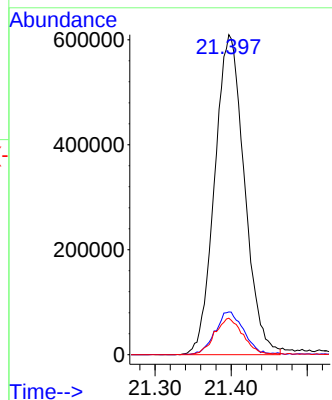
#79
Naphthalene
Concen: 8.927 ppbv
RT: 21.397 min Scan# 51
Delta R.T. 0.017 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
COPF3



Tgt Ion:128 Resp: 1653922

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.4	8.8	13.2



#80
Naphthalene,2-methyl-
Concen: 0.102 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion:142 Resp: 7095

Ion	Ratio	Lower	Upper
142	100		
141	82.0	68.9	103.3
115	59.0	30.0	45.0

