

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039947.D
 Acq On : 1 Dec 2022 18:22
 Operator : SY/MD
 Sample : N5824-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SS

Quant Time: Dec 02 05:34:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.163	49	1239051	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.626	114	3332732	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2941389	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2349244	10.457	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.700	85	124709	0.703	ppbv	98
4) Chloromethane	2.787	50	7340	0.067	ppbv #	86
8) Dichlorotetrafluoroethane	2.825	85	18663	0.092	ppbv	89
9) Propene	2.841	41	526833	6.541	ppbv	92
10) Heptane	7.549	43	41822	0.215	ppbv #	56
11) Trichlorofluoromethane	3.533	101	385298	1.780	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.034	101	64949	0.396	ppbv	94
13) Ethanol	3.234	45	7963840	1295.139	ppbv	98
15) Acetone	3.433	43	15166129	92.282	ppbv #	60
16) 1,3-Butadiene	2.938	39	25794	0.315	ppbv #	32
17) tert-Butyl alcohol	3.873	59	2686635	14.218	ppbv	100
19) Isopropyl Alcohol	3.571	45	7077723	79.540	ppbv #	29
20) Methylene Chloride	3.906	84	1196680	15.029	ppbv	97
21) Allyl Chloride	3.877	41	669893	5.876	ppbv #	56
22) trans-1,2-Dichloroethene	4.420	96	5759	0.076	ppbv #	56
23) Vinyl Acetate	4.594	43	3668	0.054	ppbv #	53
25) Ethyl Acetate	5.179	43	707157	2.344	ppbv #	84
26) Hexane	5.182	57	770500	5.845	ppbv #	47
27) Carbon Disulfide	4.095	76	13115	0.079	ppbv #	1
28) Methyl tert-Butyl Ether	4.555	73	5337	0.032	ppbv	97
29) Chloroform	5.243	83	43442	0.248	ppbv	95
30) Cyclohexane	6.571	84	15642	0.121	ppbv #	1
34) 2-Butanone	4.761	43	171655	1.076	ppbv #	38
35) Carbon Tetrachloride	6.468	117	6221	0.033	ppbv #	71
36) Benzene	6.343	78	36467	0.129	ppbv #	1
38) Trichloroethene	7.266	130	22521	0.142	ppbv	97
39) 1,2-Dichloropropane	6.629	63	800726	7.255	ppbv #	28
40) 1,4-Dioxane	7.262	88	18635	0.424	ppbv #	1
41) Tetrahydrofuran	5.523	42	96900	0.880	ppbv #	61
50) 4-Methyl-2-Pentanone	8.163	43	39938	0.140	ppbv	94
51) 2-Hexanone	9.526	43	31213	0.141	ppbv #	27
52) Tetrachloroethene	10.593	164	4962787	46.830	ppbv	99
53) Toluene	9.192	91	297247	0.921	ppbv	99
58) Ethyl Benzene	12.063	91	40654	0.102	ppbv #	87
59) m/p-Xylene	12.320	91	178611	0.535	ppbv	98
60) o-Xylene	13.031	91	76070	0.239	ppbv	73
61) Styrene	12.870	104	78823	0.415	ppbv	97
62) Isopropylbenzene	14.008	105	37704	0.082	ppbv #	48
64) n-propylbenzene	14.896	120	3637	0.030	ppbv #	1
69) p-Isopropyltoluene	16.973	119	100612	0.221	ppbv	94
70) n-Butylbenzene	17.866	91	24338	0.054	ppbv #	44
71) 2-Chlorotoluene	15.082	91	18736	0.054	ppbv	69
72) 4-Ethyltoluene	15.166	105	37321	0.104	ppbv #	80

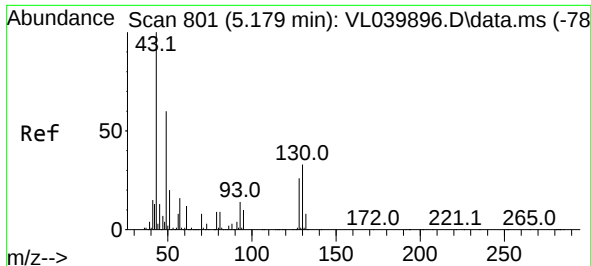
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.326	105	44859	0.137	ppbv	95
74) 1,2,4-Trimethylbenzene	16.085	105	57807	0.167	ppbv #	74
76) 1,4-Dichlorobenzene	16.445	146	11814	0.061	ppbv #	30
79) Naphthalene	21.355	128	36953	0.178	ppbv #	79
80) Naphthalene,2-methyl-	24.352	142	21295	0.365	ppbv #	1

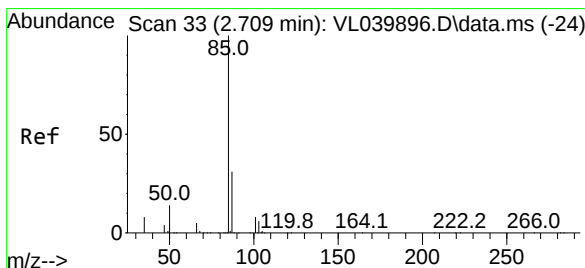
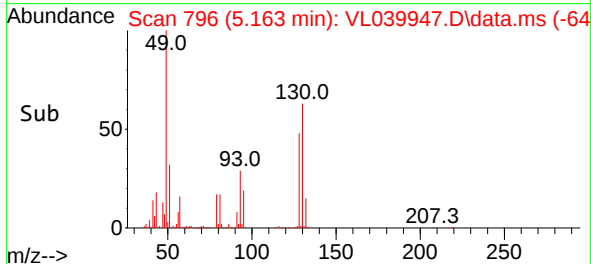
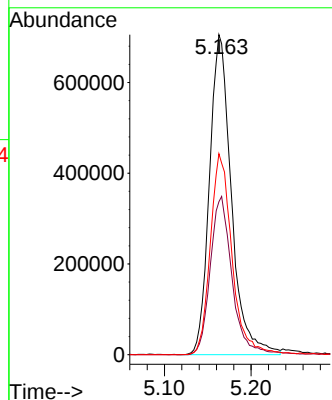
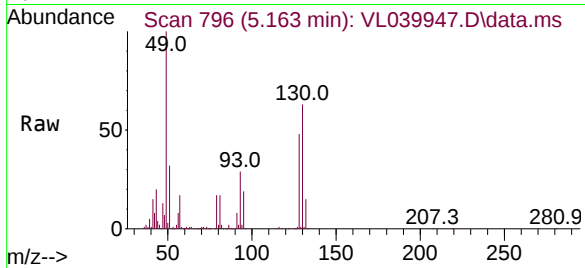
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.163 min Scan# 79
 Delta R.T. -0.010 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

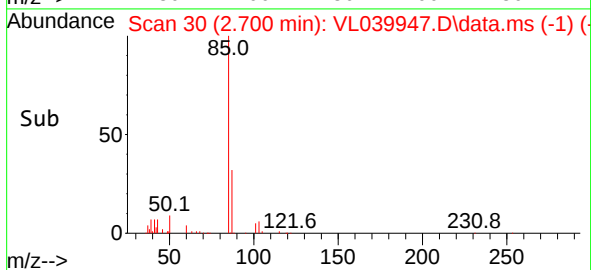
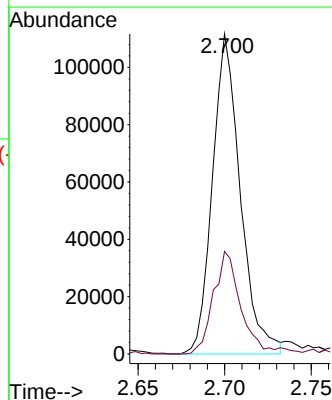
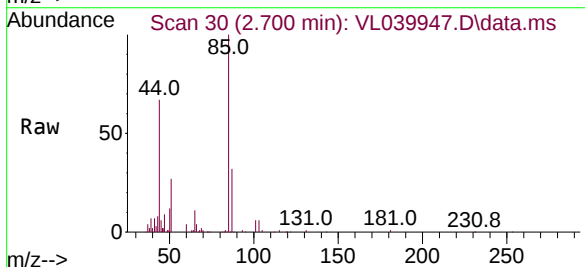
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 ClientSampleId :
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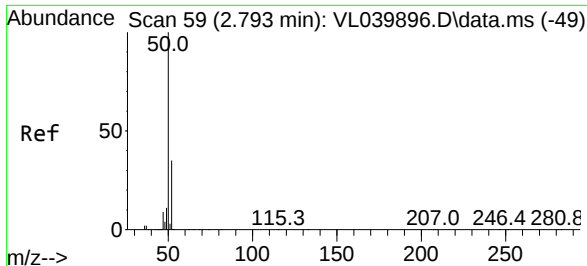
Tgt Ion: 49 Resp: 1239051
 Ion Ratio Lower Upper
 49 100
 128 49.6 22.1 66.3
 130 62.5 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.703 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion: 85 Resp: 124709
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4

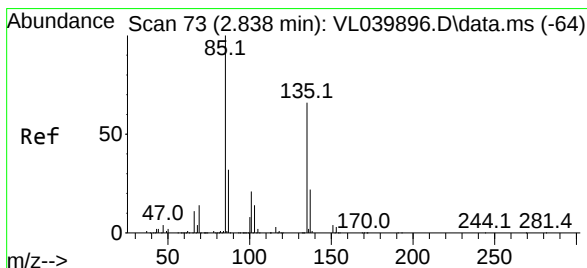
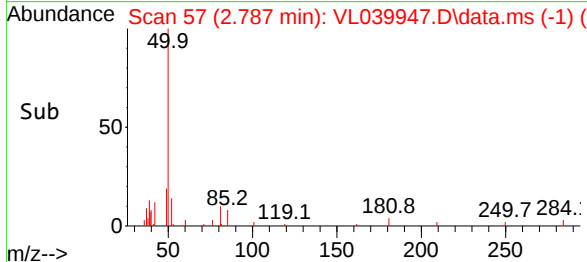
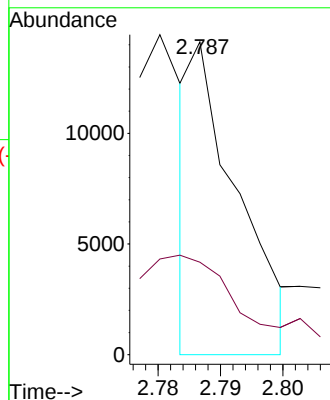
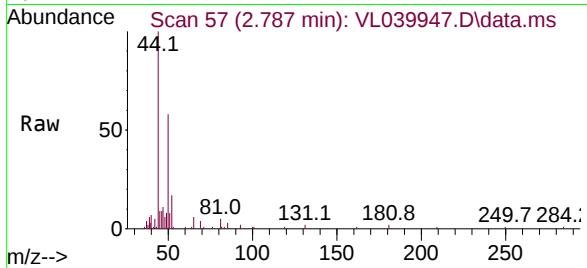




#4
Chloromethane
Concen: 0.067 ppbv
RT: 2.787 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

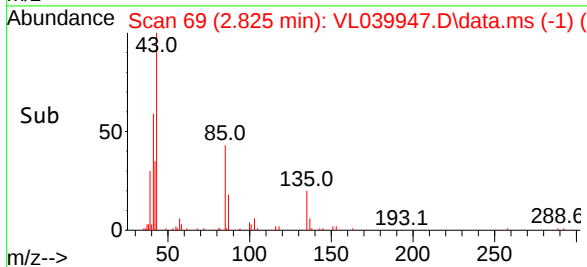
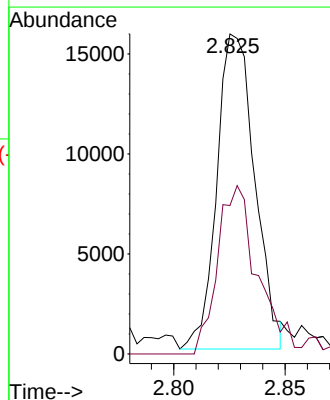
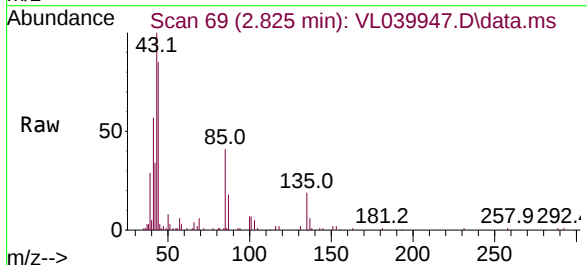
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ClientSampleId :
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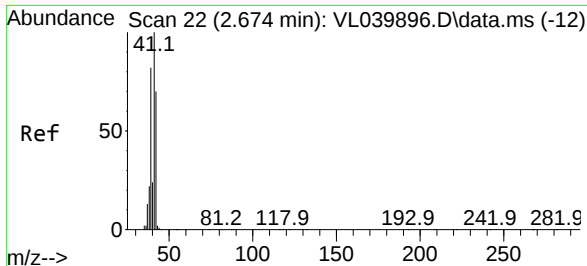
Tgt Ion: 50 Resp: 7340
Ion Ratio Lower Upper
50 100
52 26.7 27.8 41.8#



#8
Dichlorotetrafluoroethane
Concen: 0.092 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 85 Resp: 18663
Ion Ratio Lower Upper
85 100
135 58.8 54.1 81.1

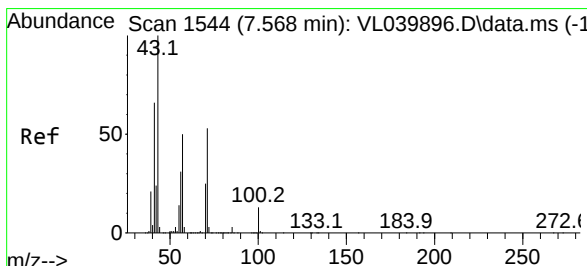
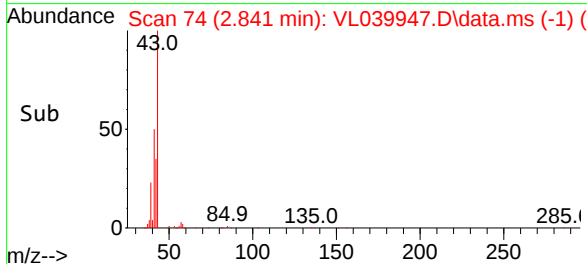
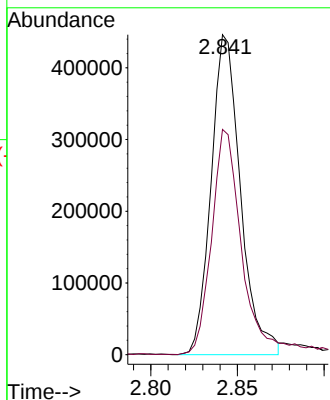
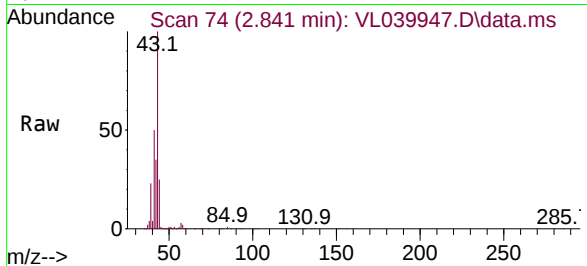




#9
 Propene
 Concen: 6.541 ppbv
 RT: 2.841 min Scan# 74
 Delta R.T. 0.170 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

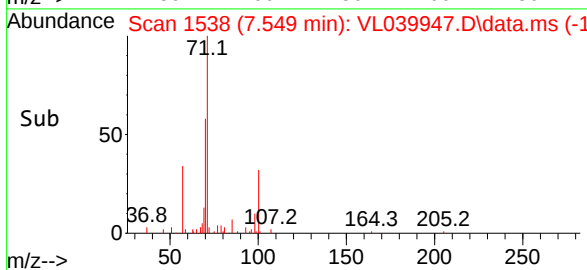
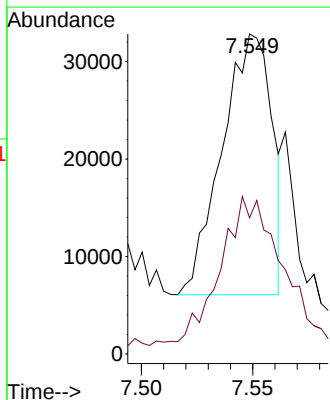
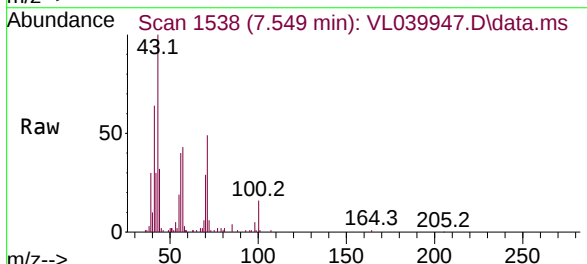
Instrument :
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 ClientSampleId :
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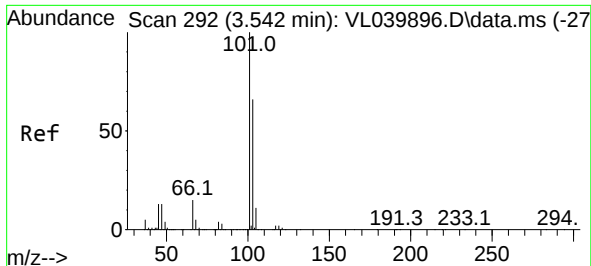
Tgt Ion: 41 Resp: 526833
 Ion Ratio Lower Upper
 41 100
 42 76.2 55.8 83.6



#10
 Heptane
 Concen: 0.215 ppbv
 RT: 7.549 min Scan# 1538
 Delta R.T. -0.016 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion: 43 Resp: 41822
 Ion Ratio Lower Upper
 43 100
 57 81.8 40.7 61.1#

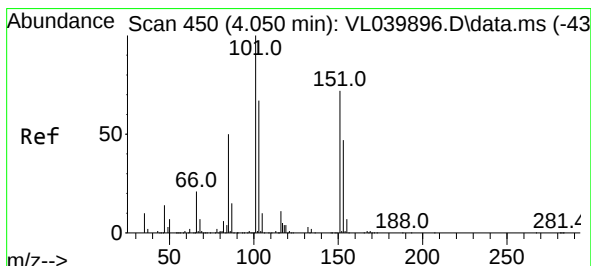
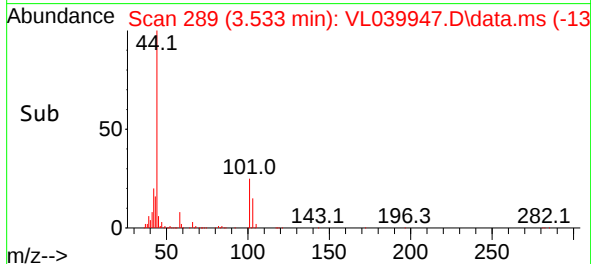
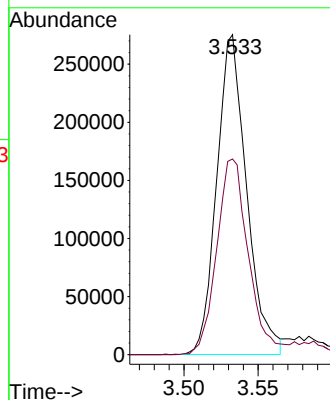
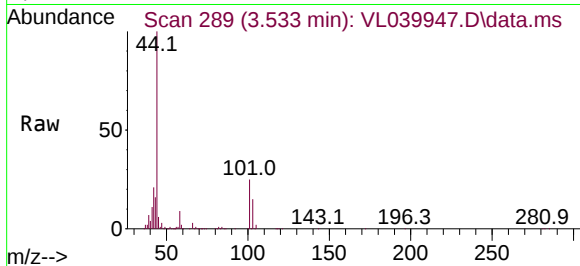




#11
 Trichlorofluoromethane
 Concen: 1.780 ppbv
 RT: 3.533 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

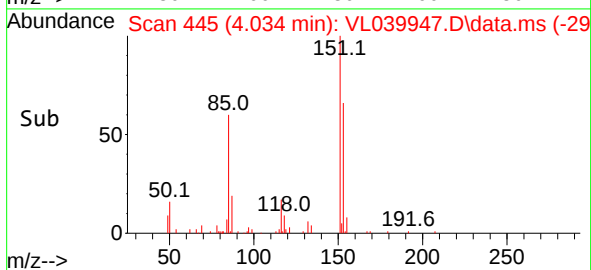
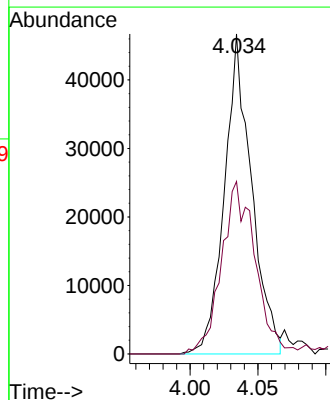
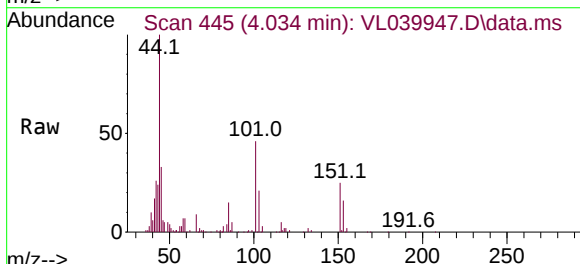
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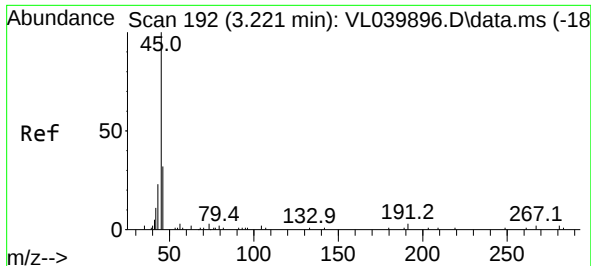
Tgt Ion:101 Resp: 385298
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.396 ppbv
 RT: 4.034 min Scan# 445
 Delta R.T. -0.013 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion:101 Resp: 64949
 Ion Ratio Lower Upper
 101 100
 151 69.8 59.6 89.4

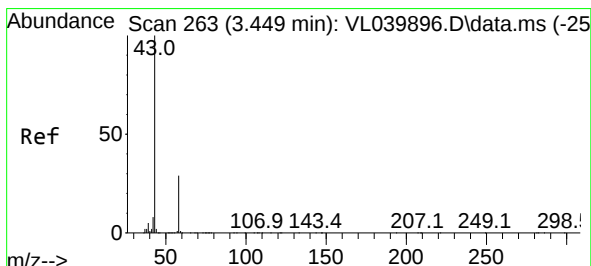
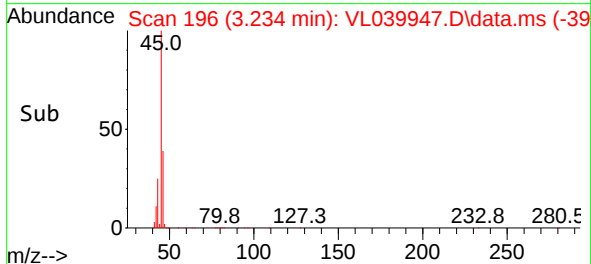
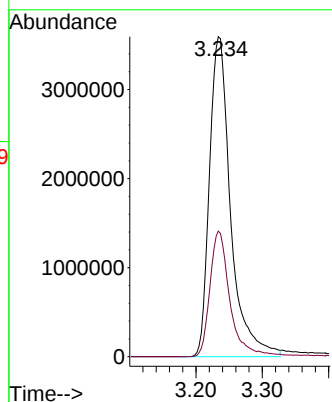
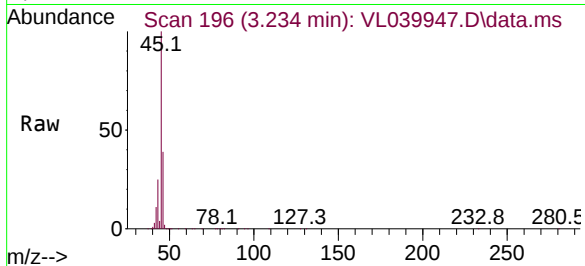




#13
Ethanol
Concen: 1295.139 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.006 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

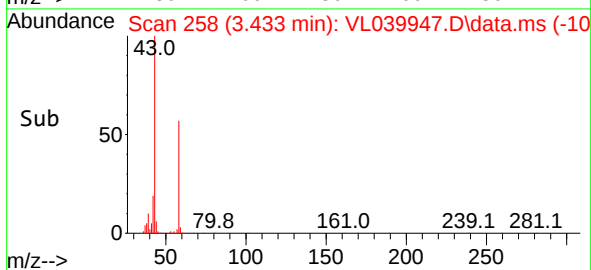
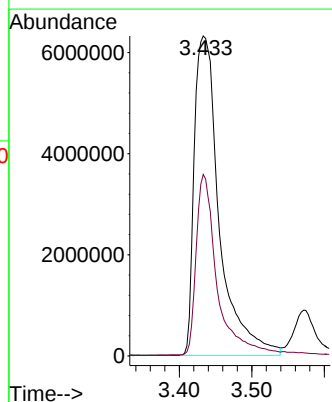
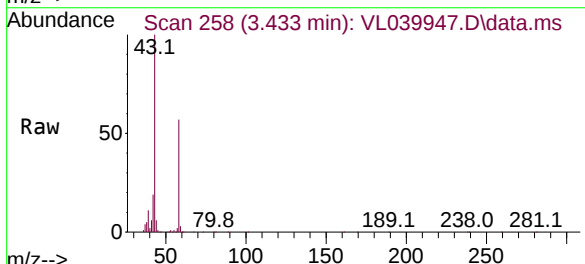
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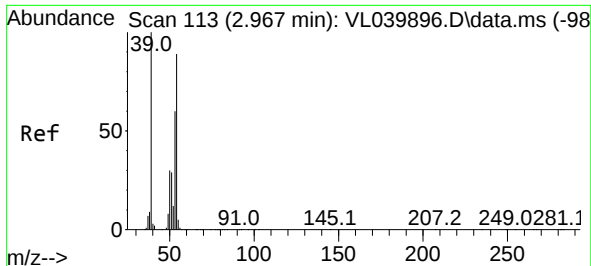
Tgt Ion: 45 Resp: 7963840
Ion Ratio Lower Upper
45 100
46 37.8 14.6 58.2



#15
Acetone
Concen: 92.282 ppbv
RT: 3.433 min Scan# 258
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 43 Resp: 15166129
Ion Ratio Lower Upper
43 100
58 49.7 22.9 34.3#

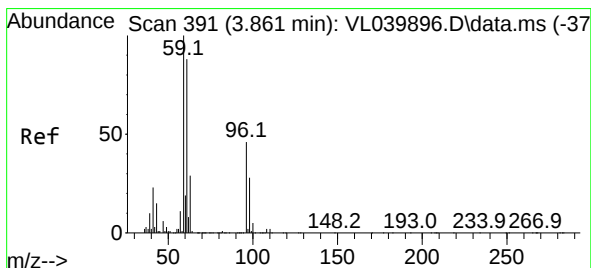
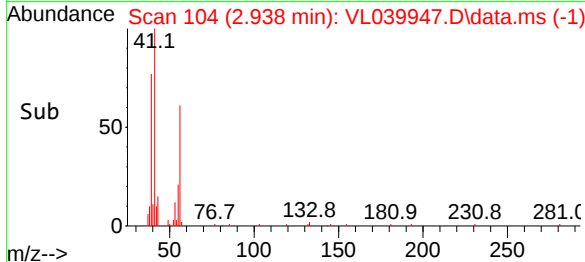
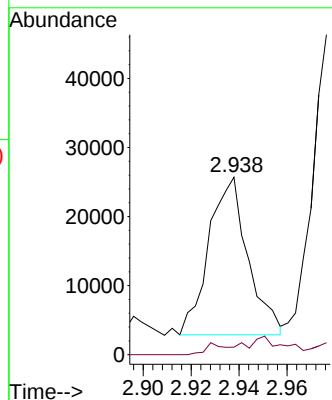
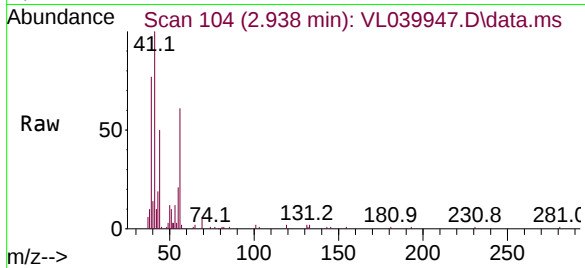




#16
1,3-Butadiene
Concen: 0.315 ppbv
RT: 2.938 min Scan# 113
Delta R.T. -0.026 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

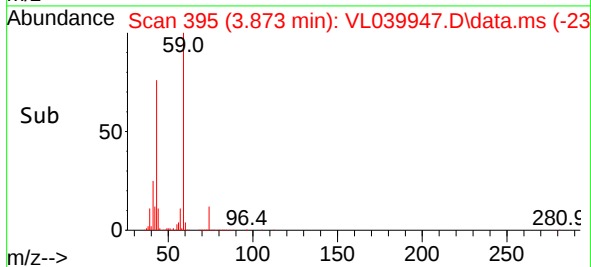
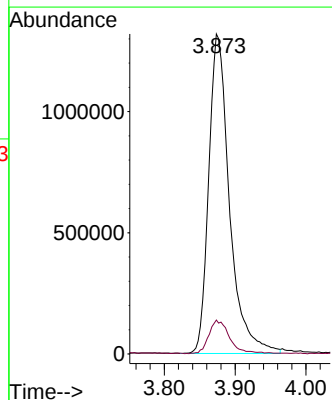
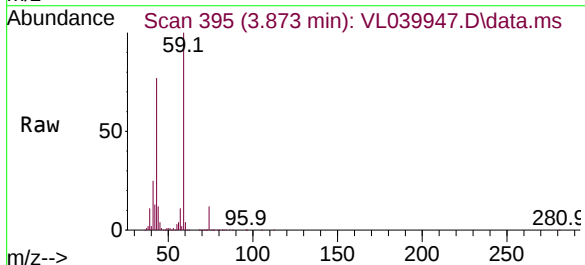
Instrument :
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TPC-SS

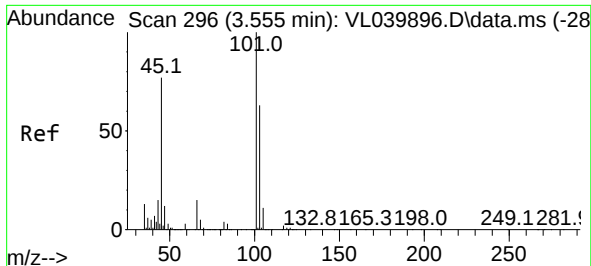
Tgt Ion: 39 Resp: 25794
Ion Ratio Lower Upper
39 100
54 22.2 66.6 99.8#



#17
tert-Butyl alcohol
Concen: 14.218 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.016 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 59 Resp: 2686635
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5





#19

Isopropyl Alcohol

Concen: 79.540 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.016 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

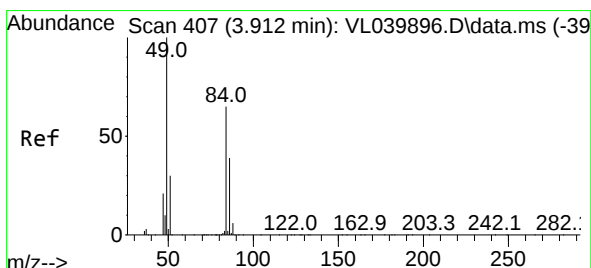
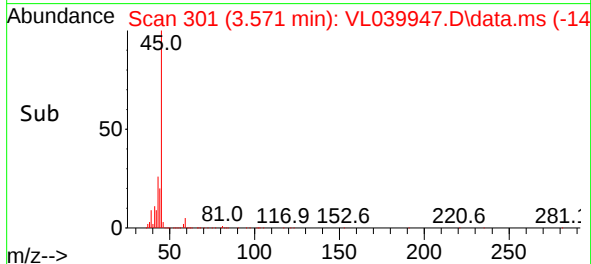
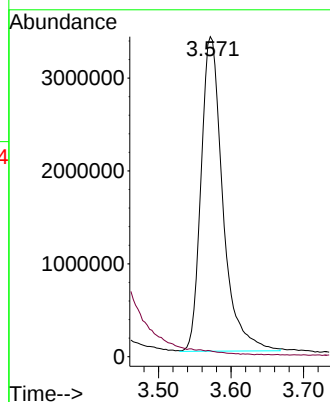
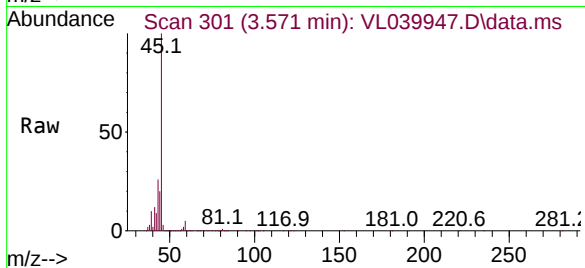
TPC-SS

Tgt Ion: 45 Resp: 7077723

Ion Ratio Lower Upper

45 100

58 0.0 38.7 58.1#



#20

Methylene Chloride

Concen: 15.029 ppbv

RT: 3.906 min Scan# 405

Delta R.T. -0.006 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Tgt Ion: 84 Resp: 1196680

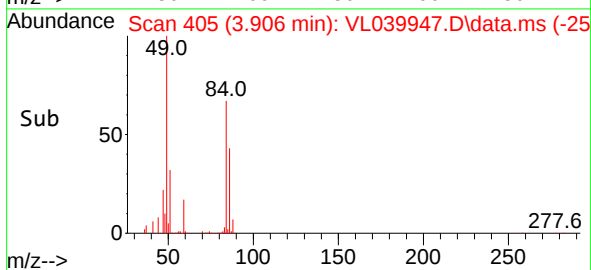
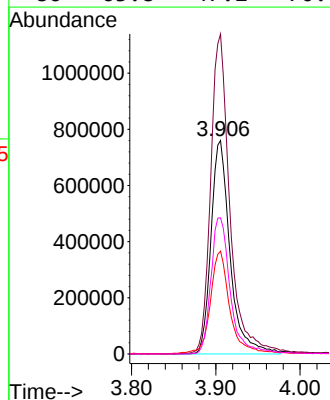
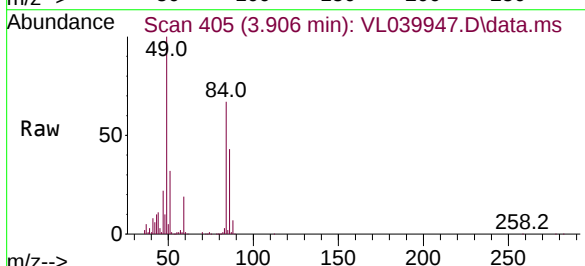
Ion Ratio Lower Upper

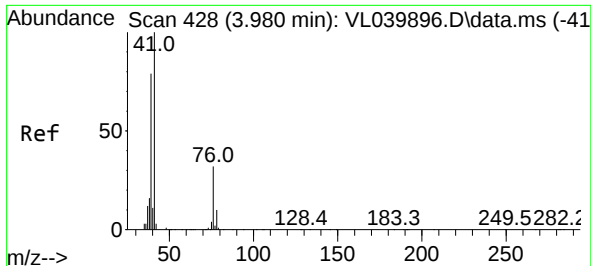
84 100

49 149.8 122.2 183.4

51 47.7 36.3 54.5

86 63.8 47.2 70.8

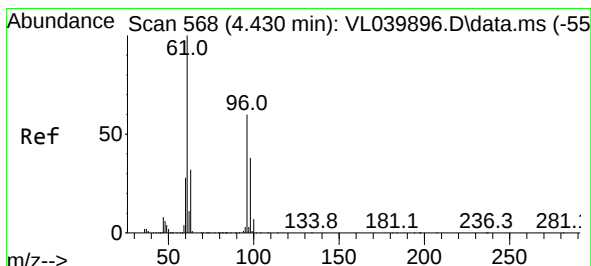
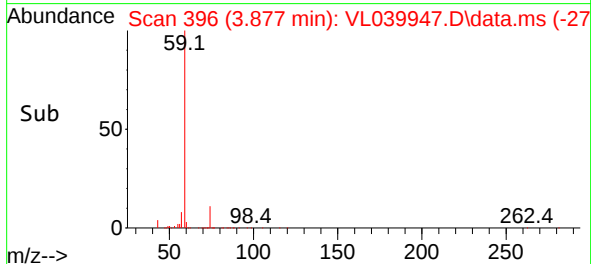
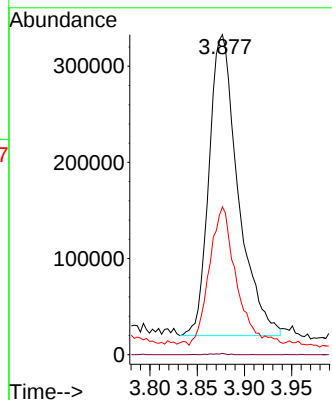
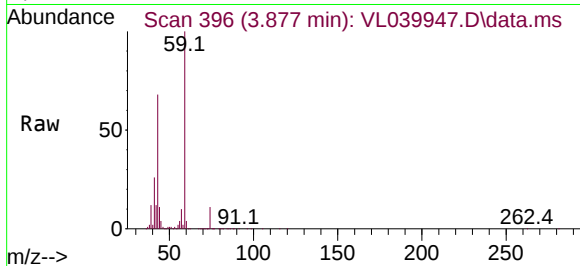




#21
 Allyl Chloride
 Concen: 5.876 ppbv
 RT: 3.877 min Scan# 39
 Delta R.T. -0.100 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

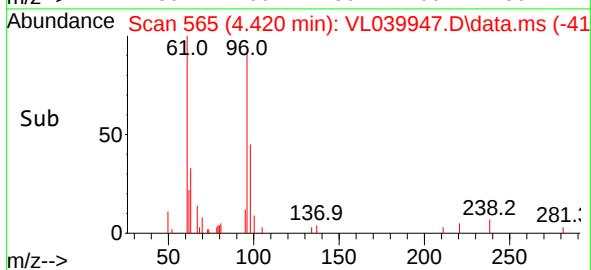
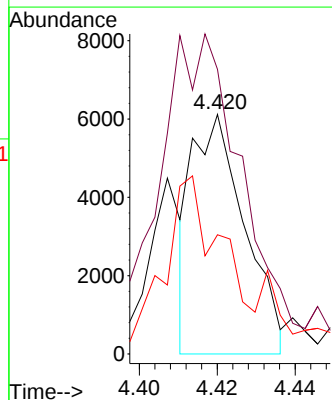
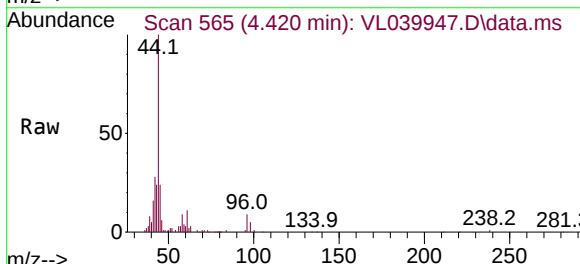
Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SS

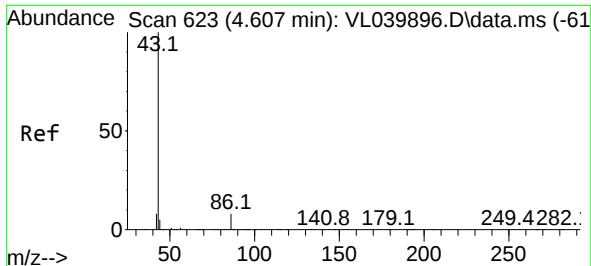
Tgt Ion: 41 Resp: 669893
 Ion Ratio Lower Upper
 41 100
 76 0.2 25.6 38.4#
 39 46.9 65.2 97.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.076 ppbv
 RT: 4.420 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion: 96 Resp: 5759
 Ion Ratio Lower Upper
 96 100
 61 101.8 134.1 201.1#
 98 37.3 50.4 75.6#



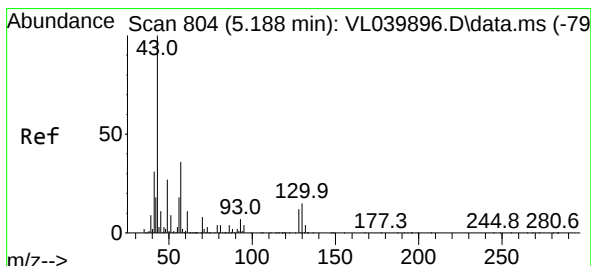
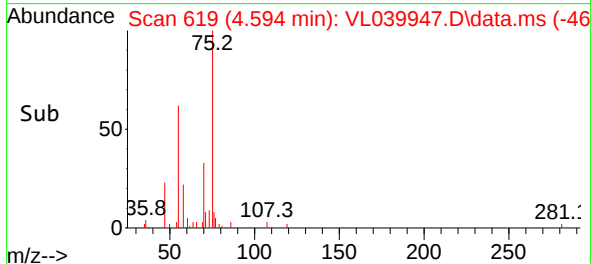
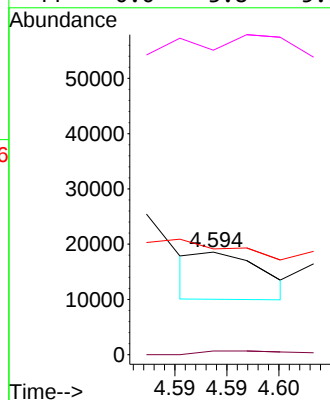
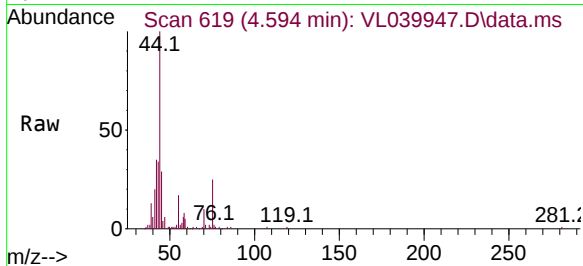


#23
 Vinyl Acetate
 Concen: 0.054 ppbv
 RT: 4.594 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SS

Tgt Ion: 43 Resp: 3668

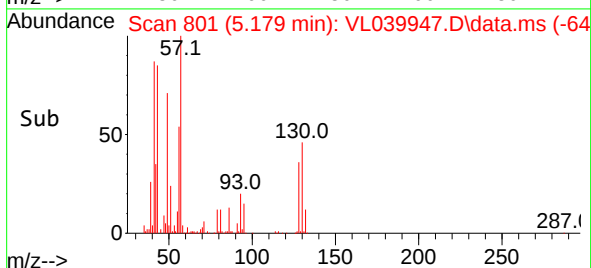
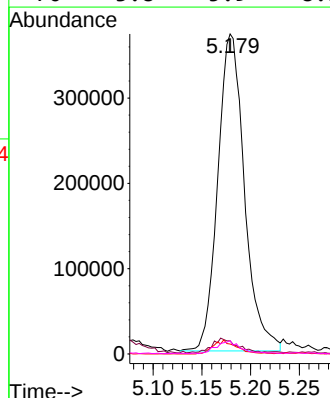
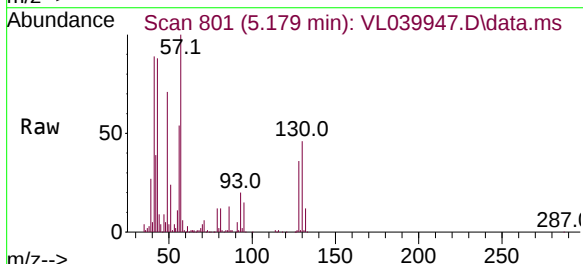
Ion	Ratio	Lower	Upper
43	100		
86	12.9	5.0	7.4#
42	39.4	7.6	11.4#
44	0.0	3.8	5.6#

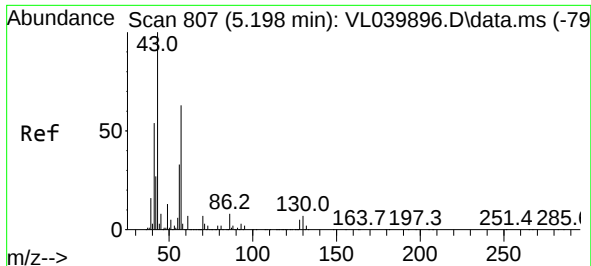


#25
 Ethyl Acetate
 Concen: 2.344 ppbv
 RT: 5.179 min Scan# 801
 Delta R.T. -0.006 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion: 43 Resp: 707157

Ion	Ratio	Lower	Upper
43	100		
45	4.1	8.4	12.6#
61	3.8	8.5	12.7#
70	3.8	5.9	8.9#

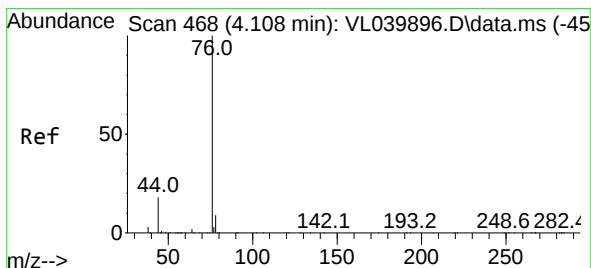
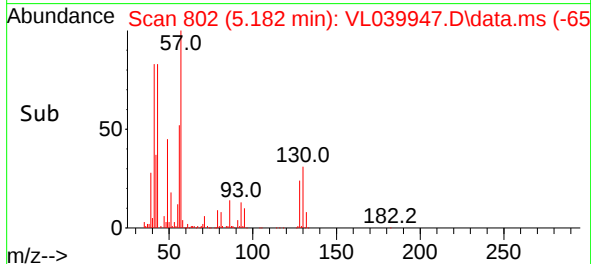
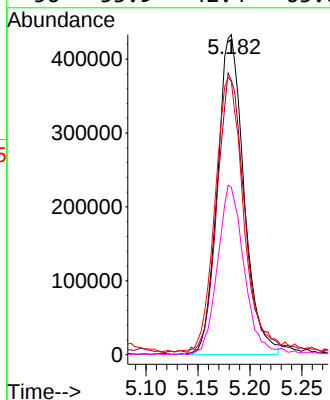
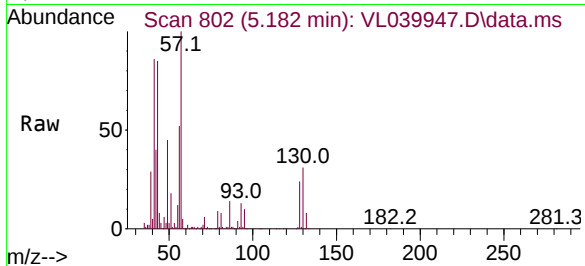




#26
Hexane
Concen: 5.845 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

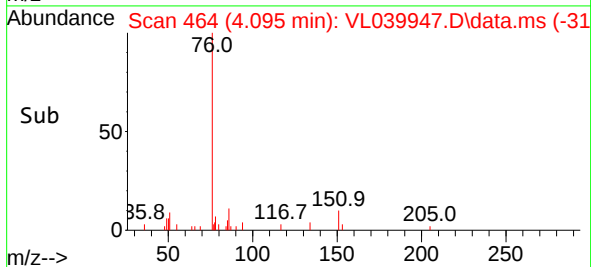
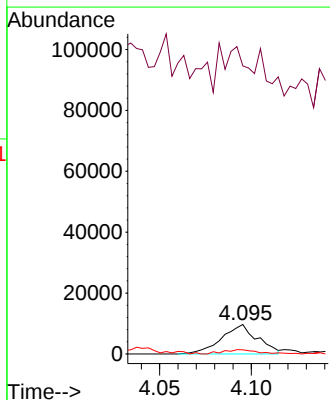
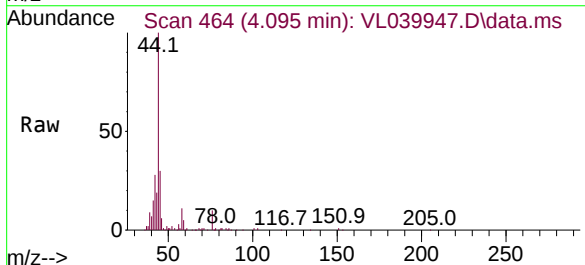
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

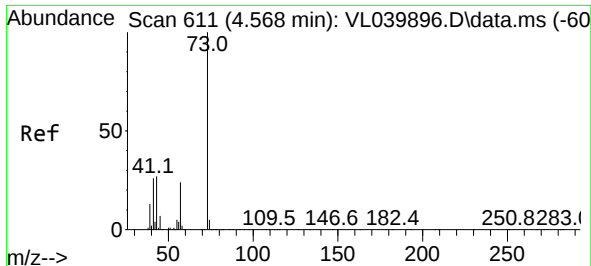
Tgt Ion: 57 Resp: 770500
Ion Ratio Lower Upper
57 100
41 90.1 72.3 108.5
43 93.6 188.7 283.1#
56 53.9 42.4 63.6



#27
Carbon Disulfide
Concen: 0.079 ppbv
RT: 4.095 min Scan# 464
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 76 Resp: 13115
Ion Ratio Lower Upper
76 100
44 168.7 14.7 22.1#
78 14.4 7.8 11.8#





#28

Methyl tert-Butyl Ether

Concen: 0.032 ppbv

RT: 4.555 min Scan# 607

Delta R.T. -0.010 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

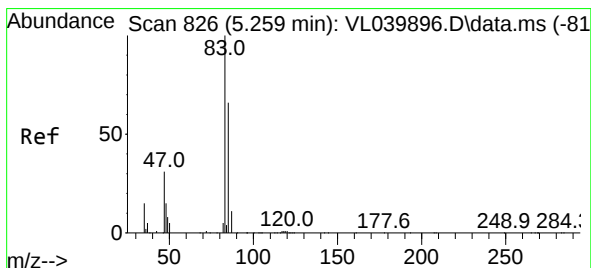
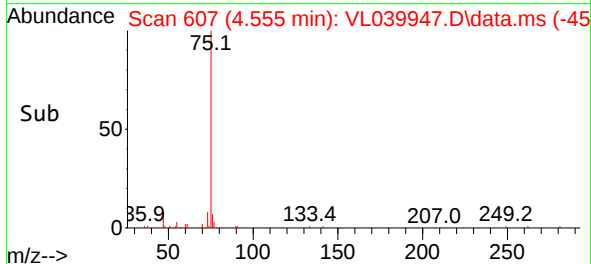
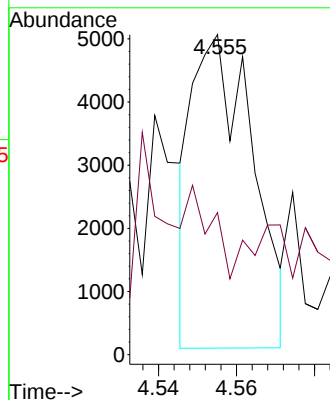
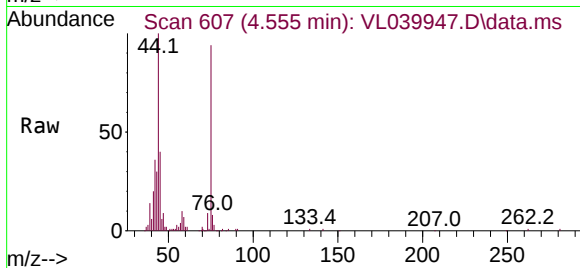
TPC-SS

Tgt Ion: 73 Resp: 5337

Ion Ratio Lower Upper

73 100

57 25.0 18.9 28.3



#29

Chloroform

Concen: 0.248 ppbv

RT: 5.243 min Scan# 821

Delta R.T. -0.013 min

Lab File: VL039947.D

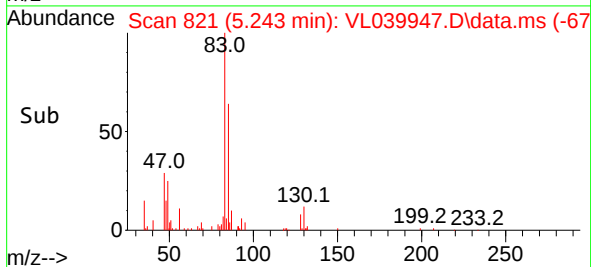
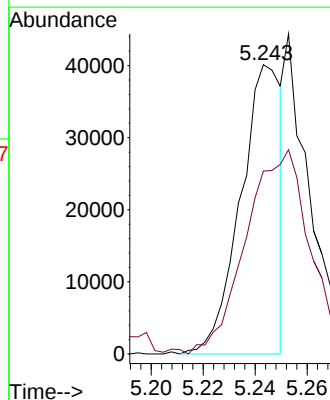
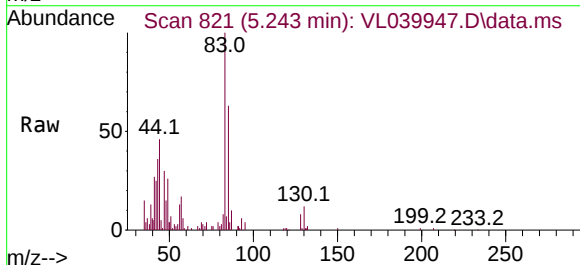
Acq: 1 Dec 2022 18:22

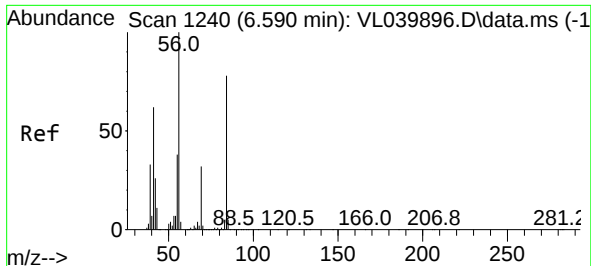
Tgt Ion: 83 Resp: 43442

Ion Ratio Lower Upper

83 100

85 61.7 52.4 78.6

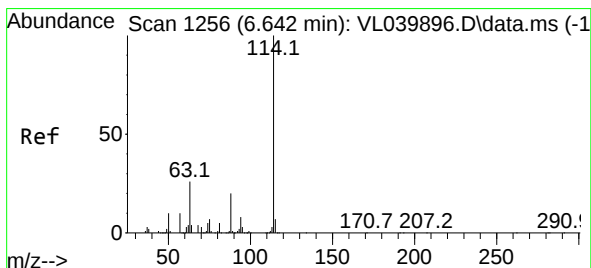
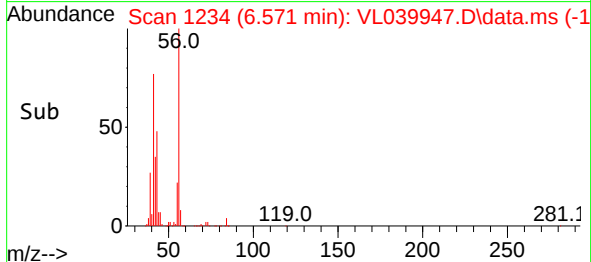
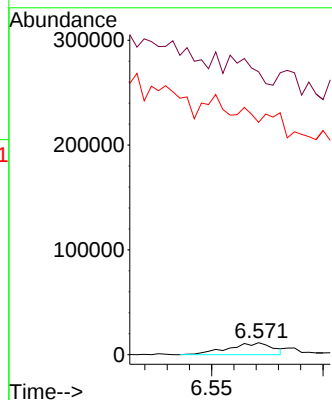
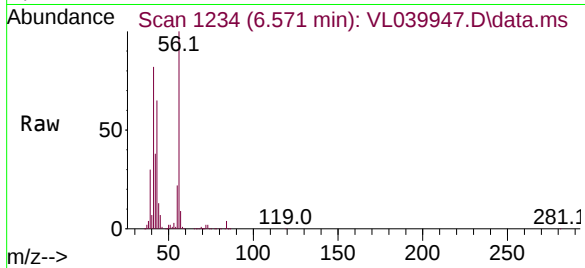




#30
Cyclohexane
Concen: 0.121 ppbv
RT: 6.571 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

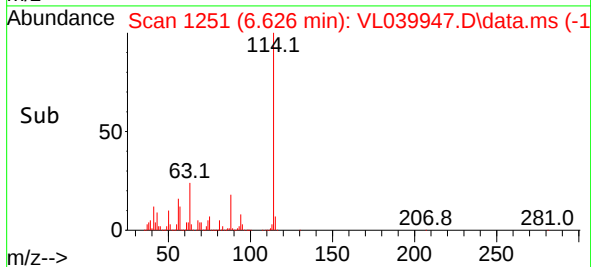
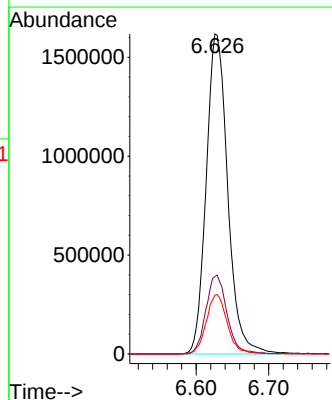
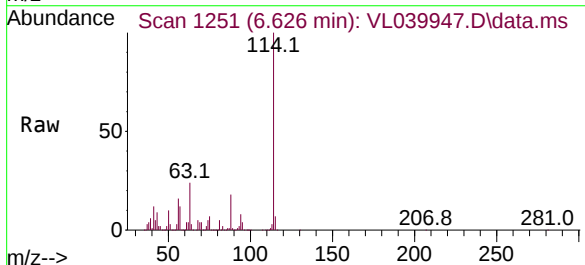
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

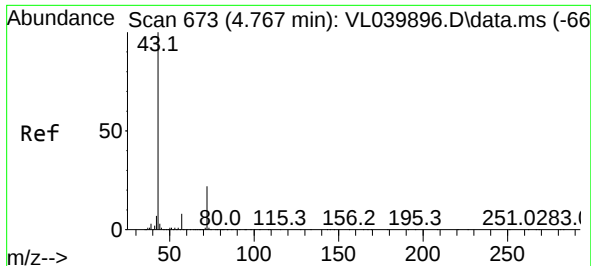
Tgt Ion: 84 Resp: 15642
Ion Ratio Lower Upper
84 100
56 0.0 112.5 168.7#
41 0.0 67.8 101.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 114 Resp: 3332732
Ion Ratio Lower Upper
114 100
63 24.4 21.4 32.0
88 18.2 15.3 22.9

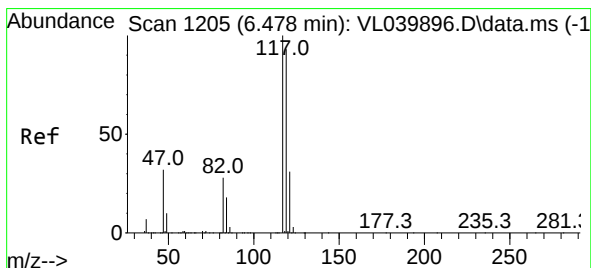
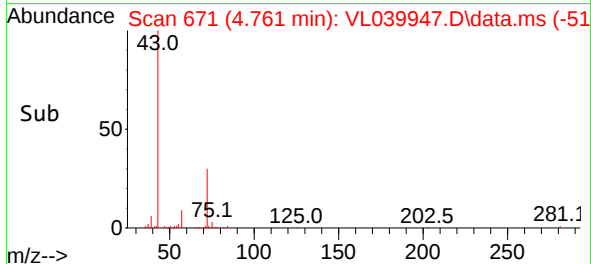
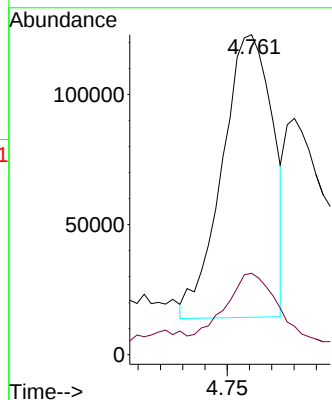
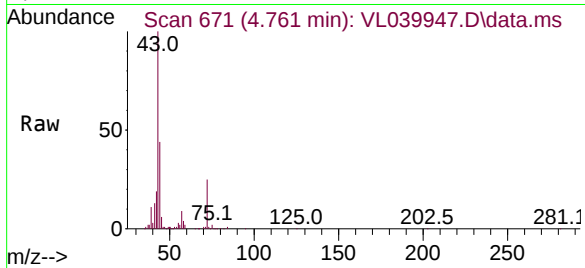




#34
2-Butanone
Concen: 1.076 ppbv
RT: 4.761 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

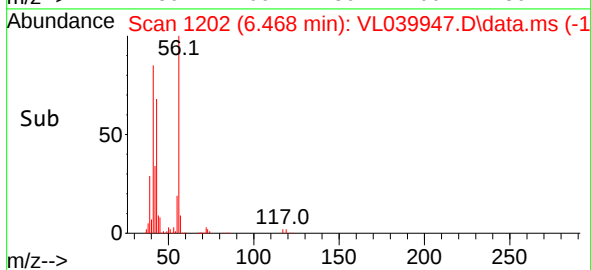
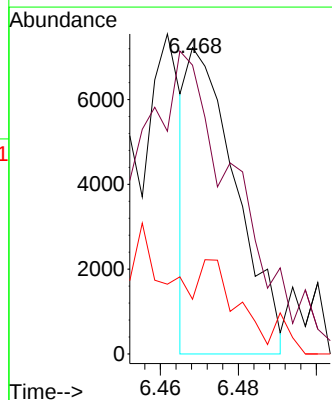
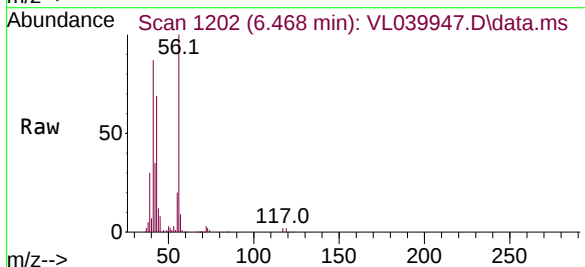
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

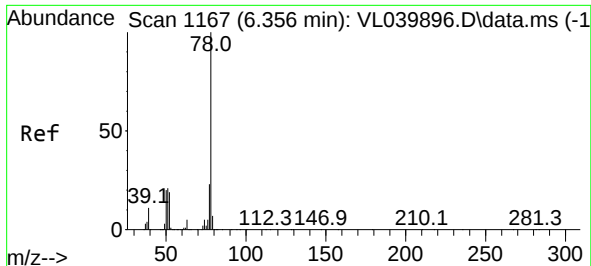
Tgt Ion: 43 Resp: 171655
Ion Ratio Lower Upper
43 100
72 51.4 17.4 26.2#



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 6.468 min Scan# 1202
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 117 Resp: 6221
Ion Ratio Lower Upper
117 100
119 71.1 74.7 112.1#
121 4.8 24.5 36.7#





#36

Benzene

Concen: 0.129 ppbv

RT: 6.343 min Scan# 1167

Delta R.T. -0.010 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

TPC-SS

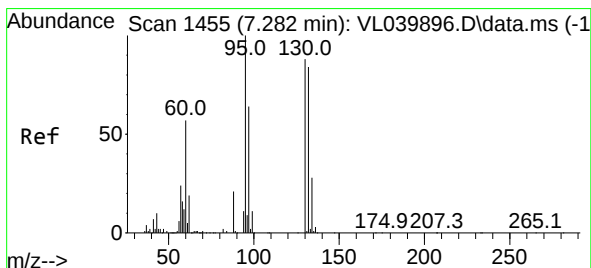
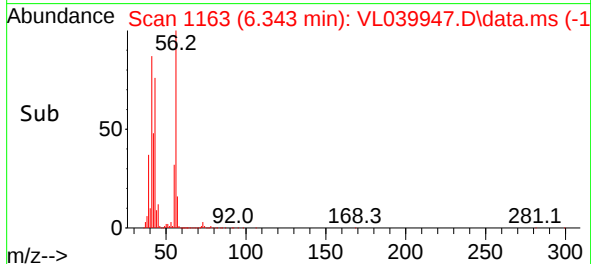
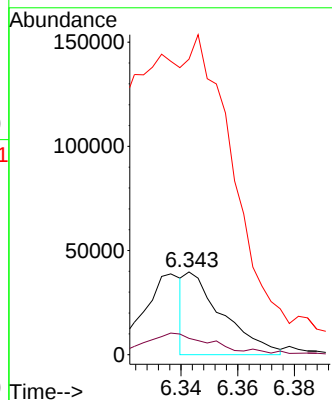
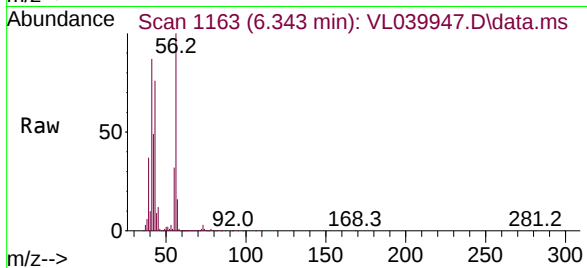
Tgt Ion: 78 Resp: 36467

Ion Ratio Lower Upper

78 100

77 16.4 18.2 27.2#

50 321.8 15.8 23.8#



#38

Trichloroethene

Concen: 0.142 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. -0.010 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Tgt Ion:130 Resp: 22521

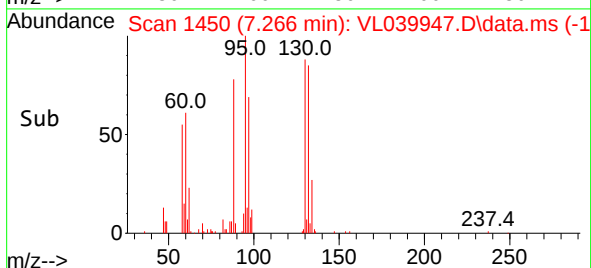
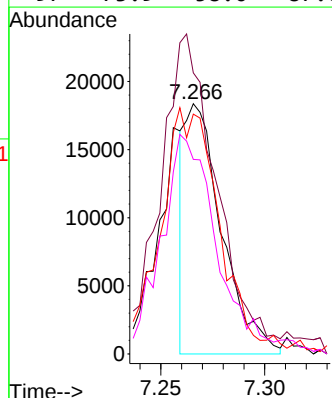
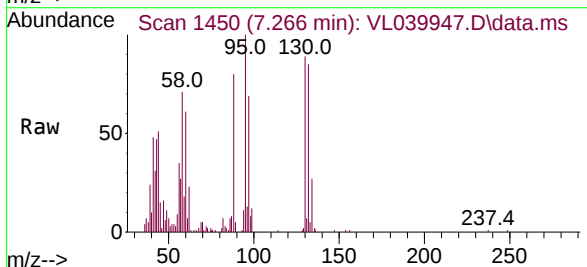
Ion Ratio Lower Upper

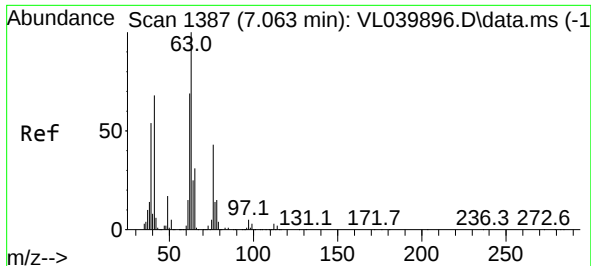
130 100

95 108.8 90.6 135.8

132 93.9 76.2 114.4

97 73.9 58.0 87.0





#39

1,2-Dichloropropane

Concen: 7.255 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.428 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

TPC-SS

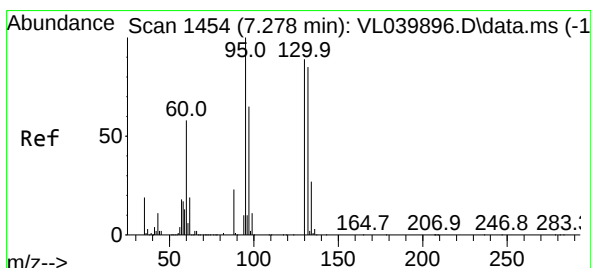
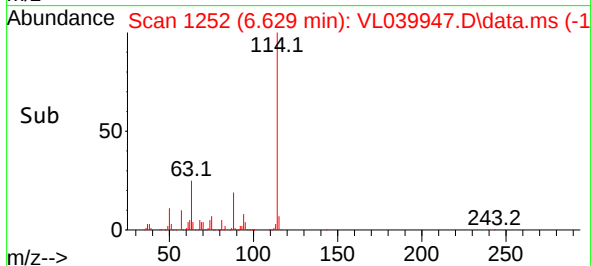
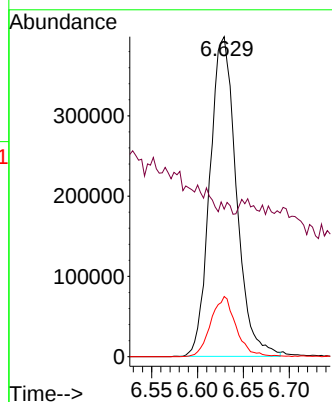
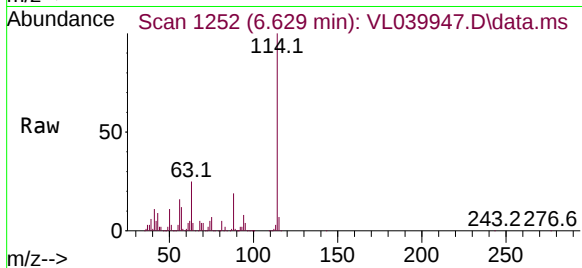
Tgt Ion: 63 Resp: 800726

Ion Ratio Lower Upper

63 100

41 1.2 54.7 82.1#

62 18.8 55.0 82.6#



#40

1,4-Dioxane

Concen: 0.424 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. -0.010 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Tgt Ion: 88 Resp: 18635

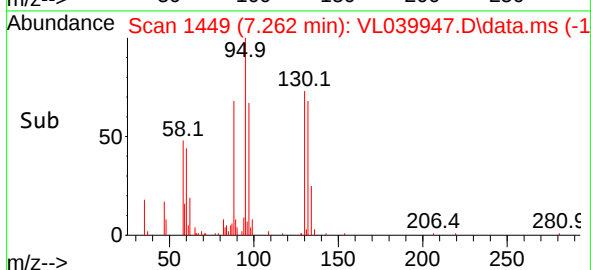
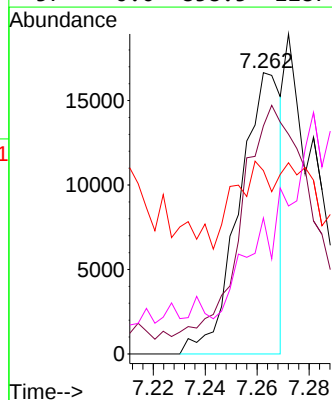
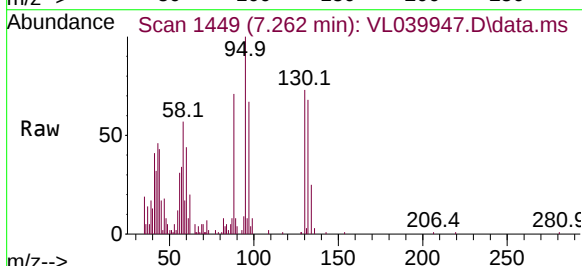
Ion Ratio Lower Upper

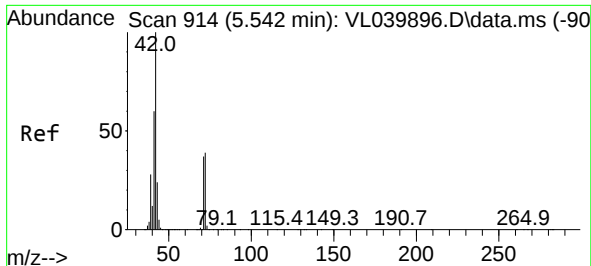
88 100

58 165.3 100.5 150.7#

43 124.7 195.8 293.8#

57 0.0 858.5 1287.7#





#41

Tetrahydrofuran

Concen: 0.880 ppbv

RT: 5.523 min Scan# 90

Delta R.T. -0.016 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

TPC-SS

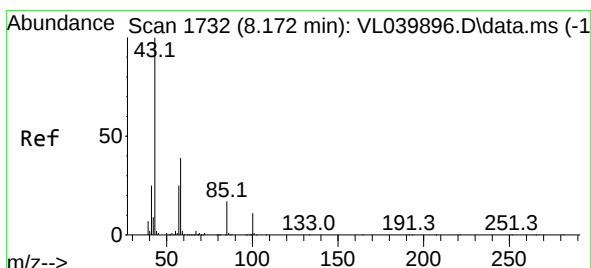
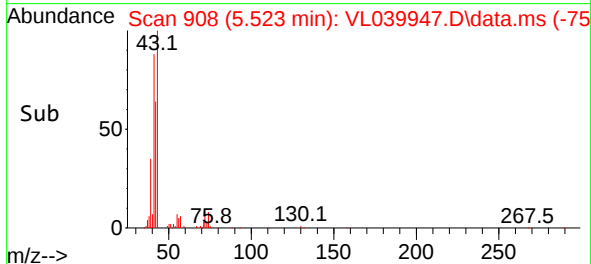
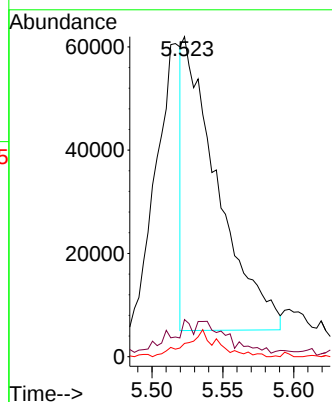
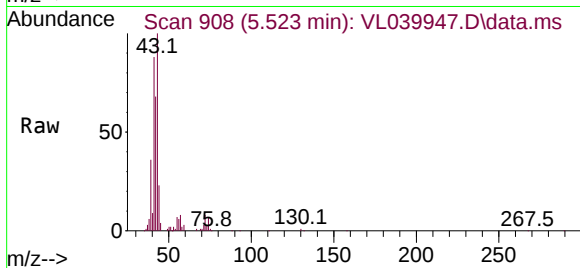
Tgt Ion: 42 Resp: 96900

Ion Ratio Lower Upper

42 100

72 21.5 31.6 47.4#

71 8.8 31.2 46.8#



#50

4-Methyl-2-Pentanone

Concen: 0.140 ppbv

RT: 8.163 min Scan# 1729

Delta R.T. -0.003 min

Lab File: VL039947.D

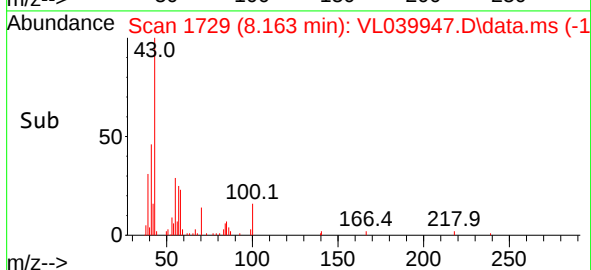
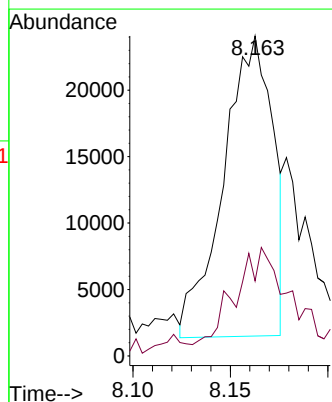
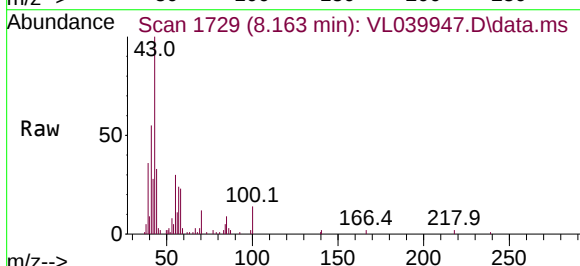
Acq: 1 Dec 2022 18:22

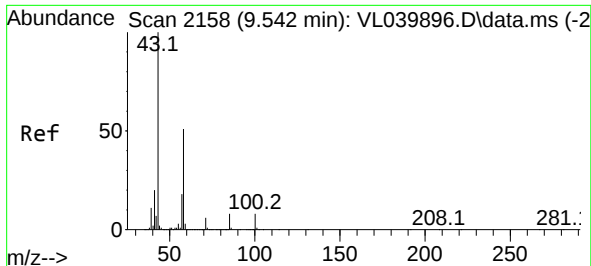
Tgt Ion: 43 Resp: 39938

Ion Ratio Lower Upper

43 100

58 40.6 29.8 44.6

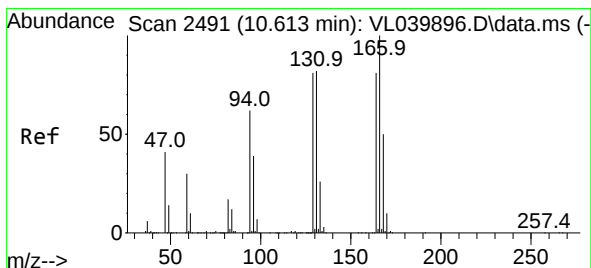
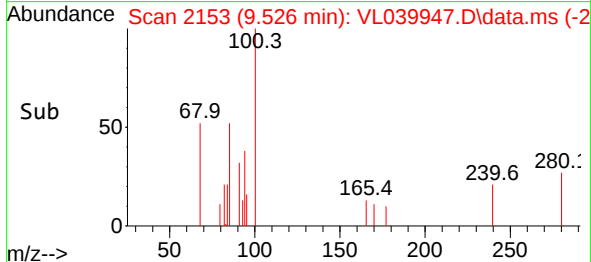
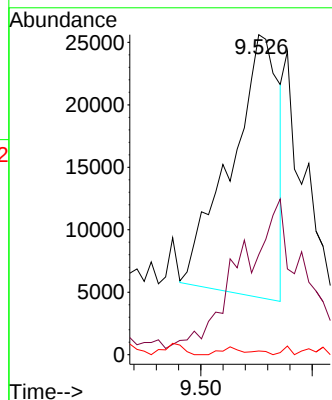
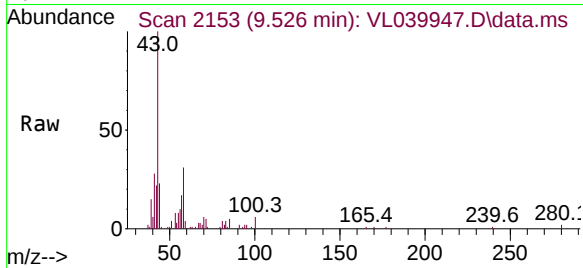




#51
2-Hexanone
Concen: 0.141 ppbv
RT: 9.526 min Scan# 2153
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

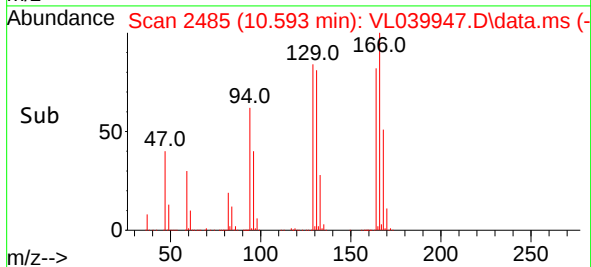
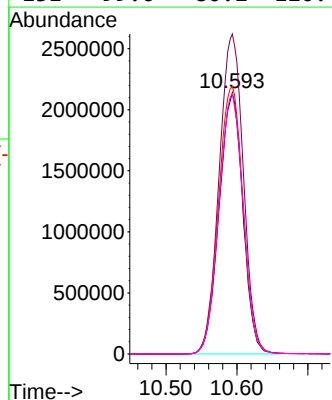
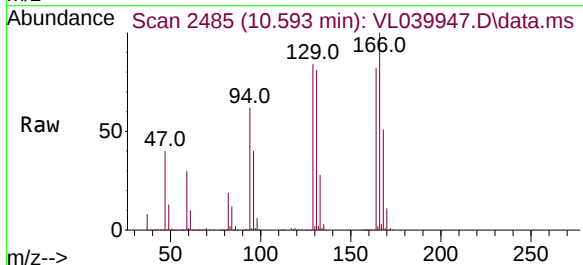
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

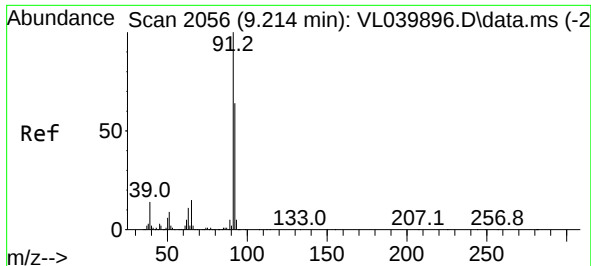
Tgt Ion: 43 Resp: 31213
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.4#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 46.830 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 164 Resp: 4962787
Ion Ratio Lower Upper
164 100
166 122.4 98.3 147.5
129 102.4 79.7 119.5
131 99.6 80.2 120.4

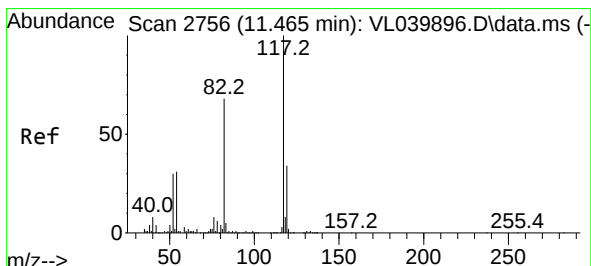
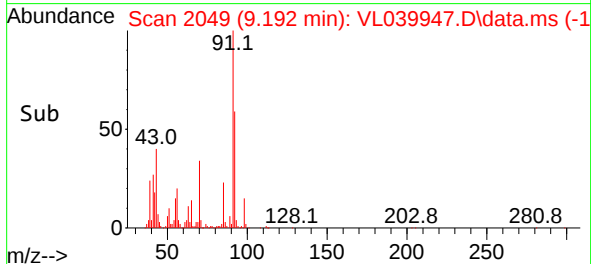
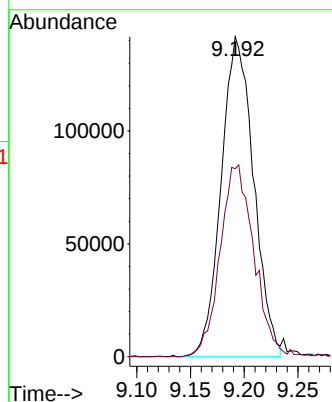
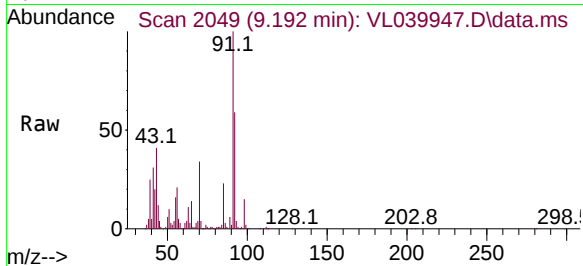




#53
Toluene
Concen: 0.921 ppbv
RT: 9.192 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

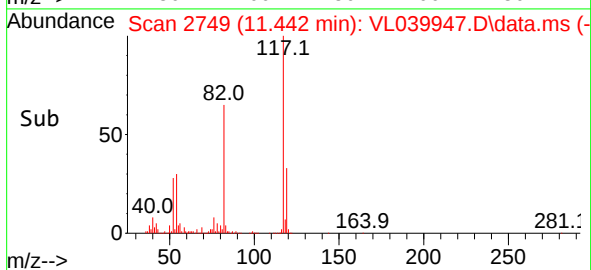
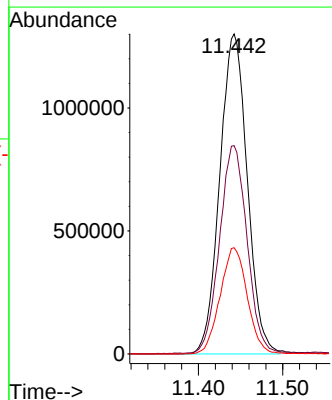
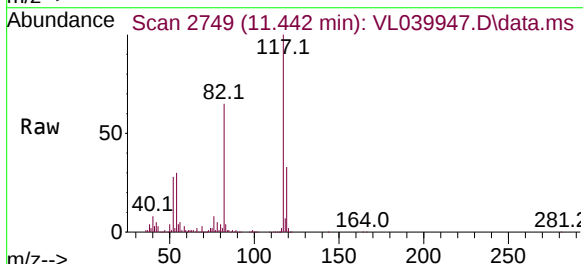
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

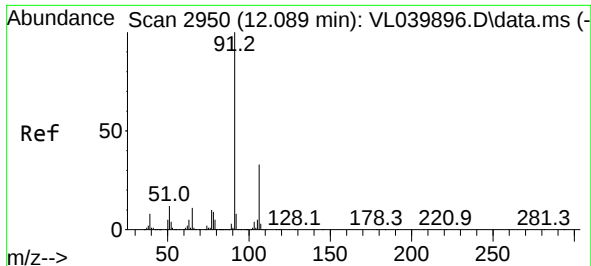
Tgt Ion: 91 Resp: 297247
Ion Ratio Lower Upper
91 100
92 63.2 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 117 Resp: 2941389
Ion Ratio Lower Upper
117 100
82 65.5 52.3 78.5
119 33.1 25.7 38.5

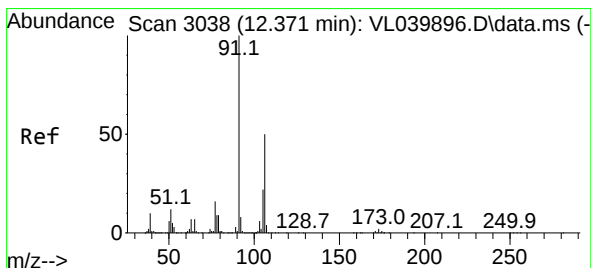
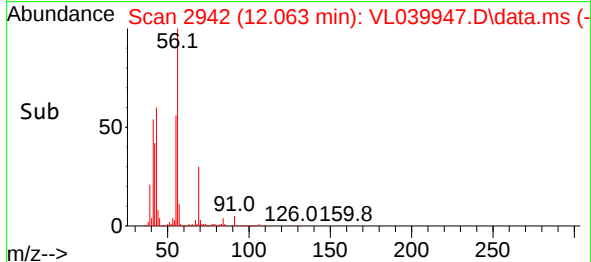
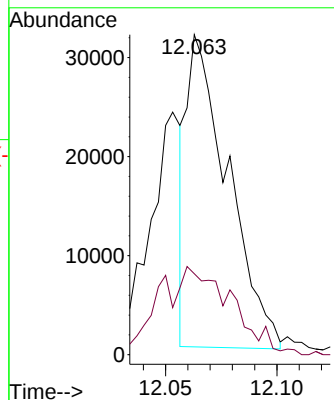
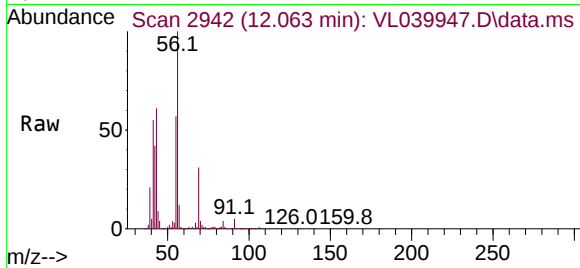




#58
Ethyl Benzene
Concen: 0.102 ppbv
RT: 12.063 min Scan# 2950
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

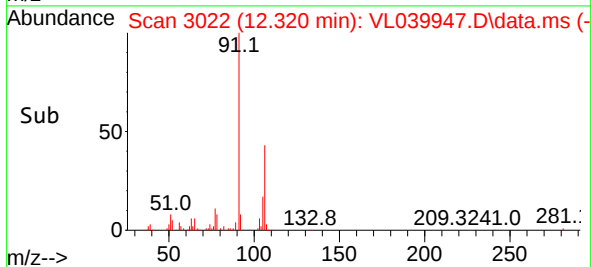
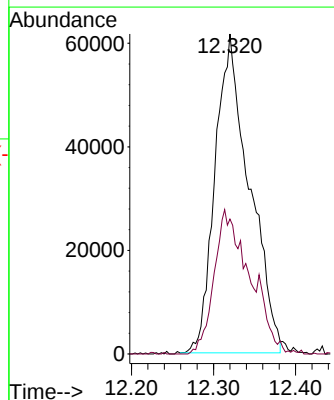
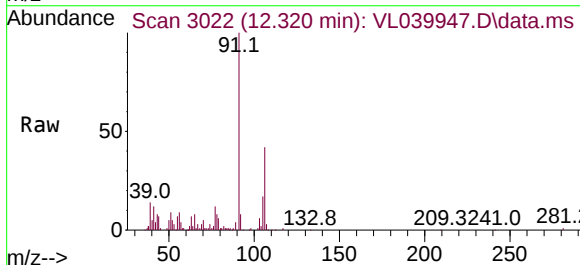
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

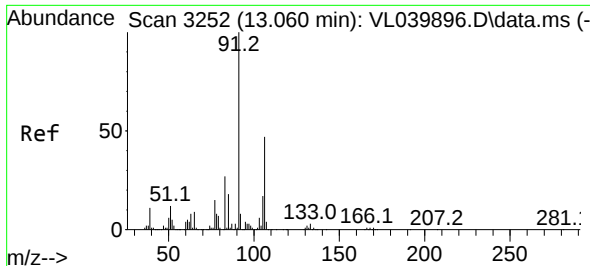
Tgt Ion: 91 Resp: 40654
Ion Ratio Lower Upper
91 100
106 25.1 26.1 39.1#



#59
m/p-Xylene
Concen: 0.535 ppbv
RT: 12.320 min Scan# 3022
Delta R.T. -0.039 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 91 Resp: 178611
Ion Ratio Lower Upper
91 100
106 47.5 37.0 55.6

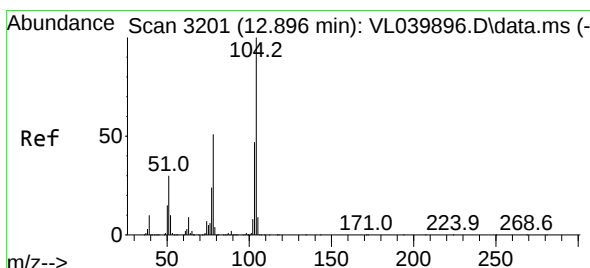
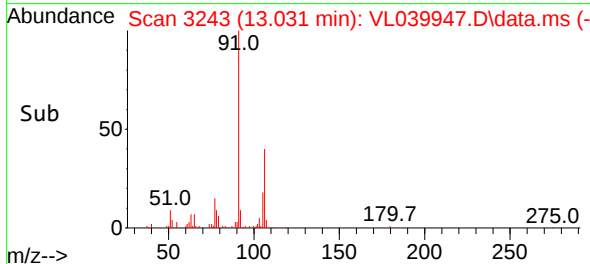
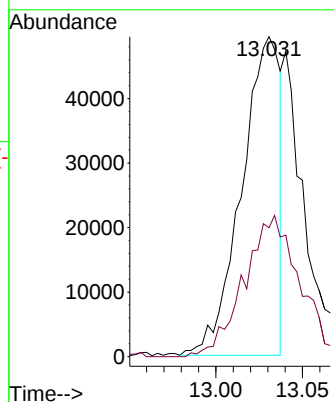
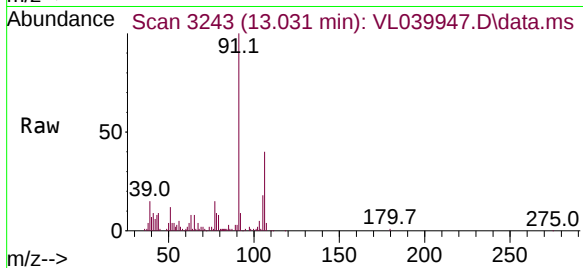




#60
o-Xylene
Concen: 0.239 ppbv
RT: 13.031 min Scan# 3193
Delta R.T. -0.016 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

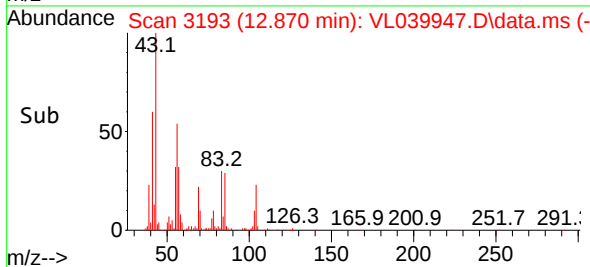
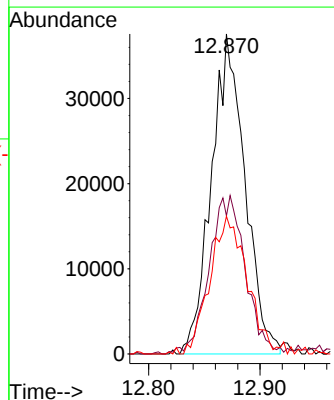
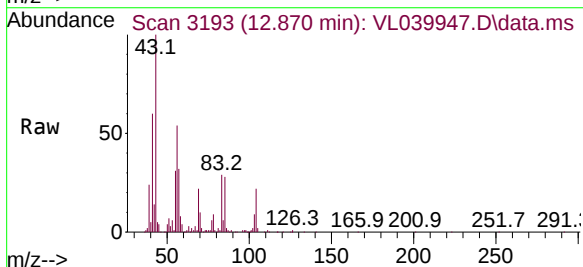
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

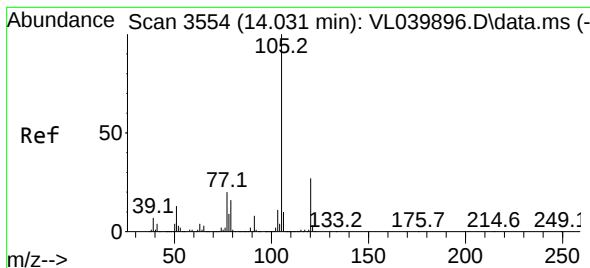
Tgt Ion: 91 Resp: 76070
Ion Ratio Lower Upper
91 100
106 64.5 23.2 69.6



#61
Styrene
Concen: 0.415 ppbv
RT: 12.870 min Scan# 3193
Delta R.T. -0.019 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion:104 Resp: 78823
Ion Ratio Lower Upper
104 100
78 54.0 41.8 62.8
103 48.8 37.2 55.8





#62

Isopropylbenzene

Concen: 0.082 ppbv

RT: 14.008 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL039947.D

Acq: 1 Dec 2022 18:22

Instrument :

MSVOA_L

ClientSampleId :

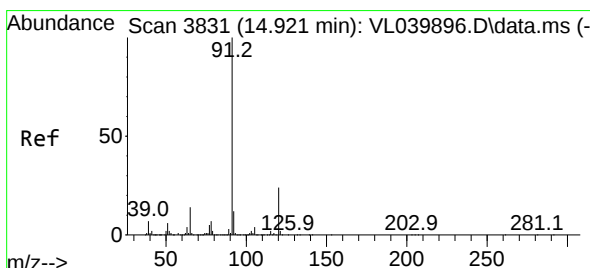
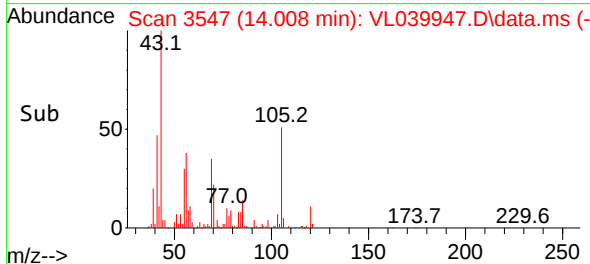
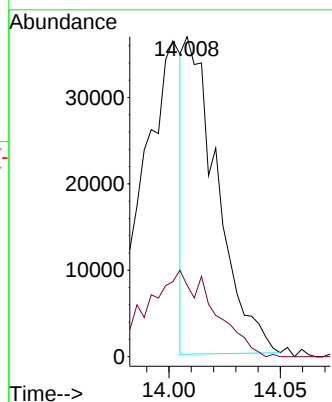
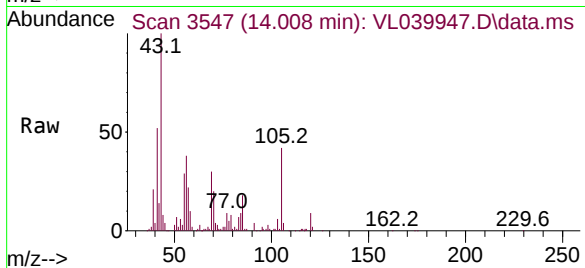
TPC-SS

Tgt Ion:105 Resp: 37704

Ion Ratio Lower Upper

105 100

120 0.0 21.4 32.2#



#64

n-propylbenzene

Concen: 0.030 ppbv

RT: 14.896 min Scan# 3823

Delta R.T. -0.010 min

Lab File: VL039947.D

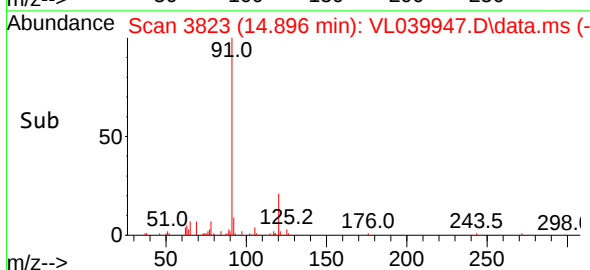
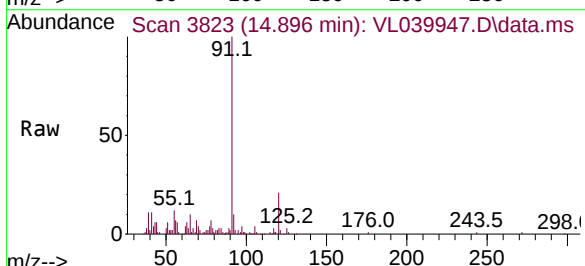
Acq: 1 Dec 2022 18:22

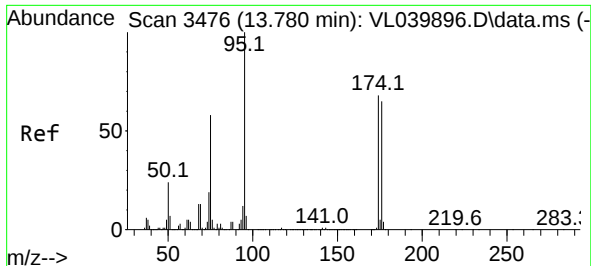
Tgt Ion:120 Resp: 3637

Ion Ratio Lower Upper

120 100

91 0.0 353.7 530.5#

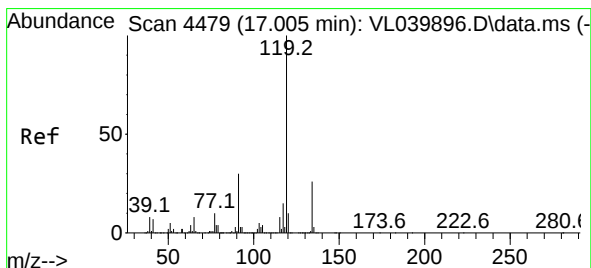
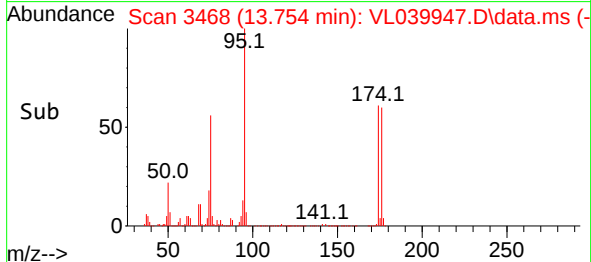
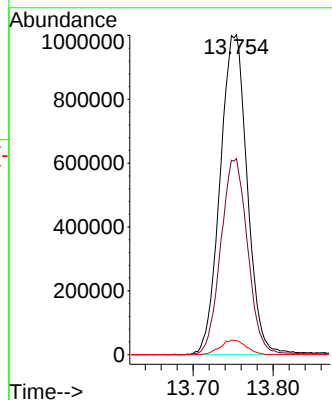
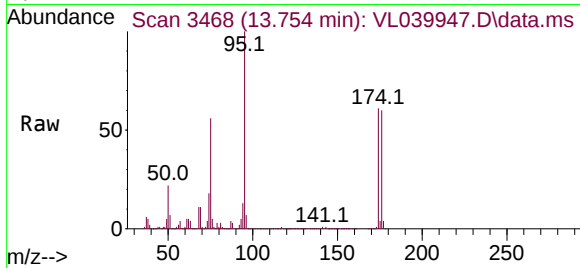




#68
1-Bromo-4-Fluorobenzene
Concen: 10.457 ppbv
RT: 13.754 min Scan# 3476
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

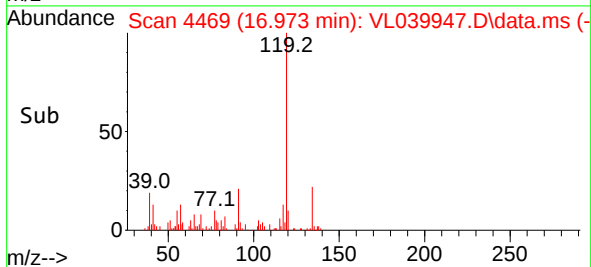
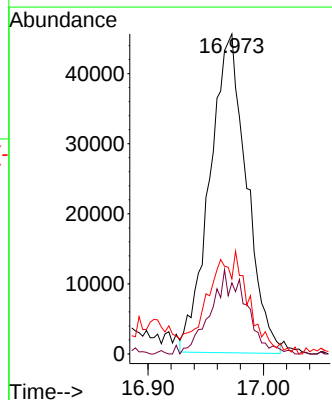
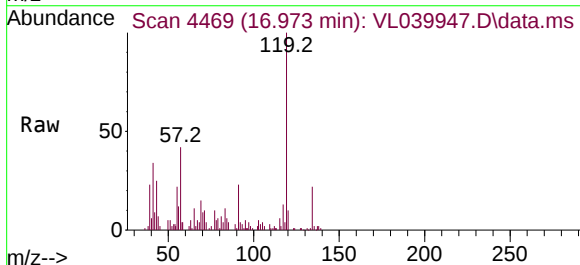
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

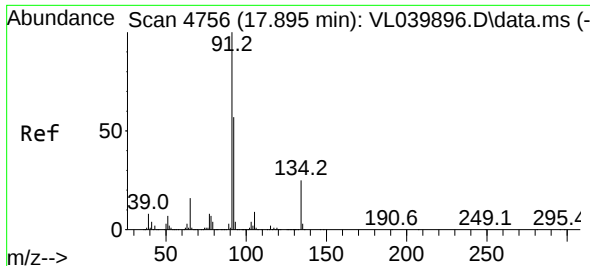
Tgt Ion: 95 Resp: 2349244
Ion Ratio Lower Upper
95 100
174 61.4 53.7 80.5
175 4.4 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.221 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. -0.013 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 119 Resp: 100612
Ion Ratio Lower Upper
119 100
134 25.9 21.0 31.4
91 36.0 24.4 36.6

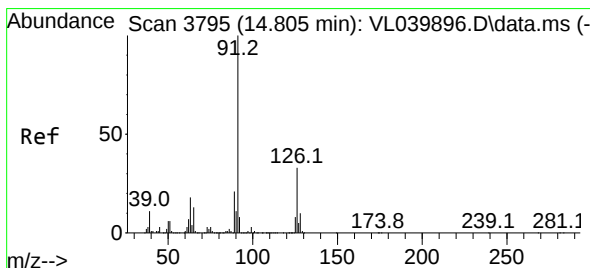
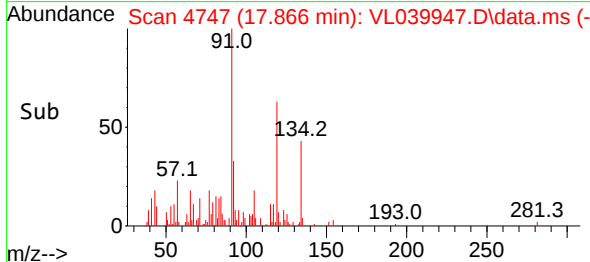
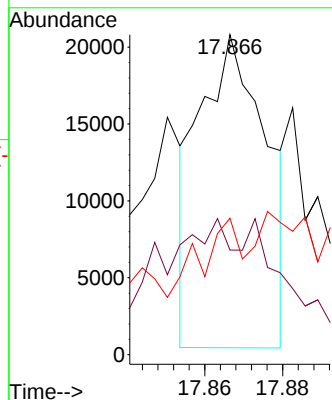
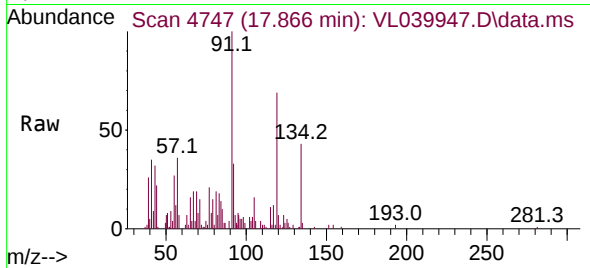




#70
n-Butylbenzene
Concen: 0.054 ppbv
RT: 17.866 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

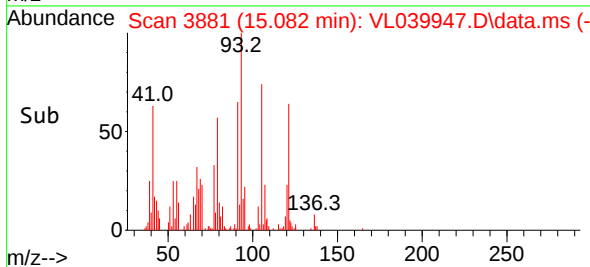
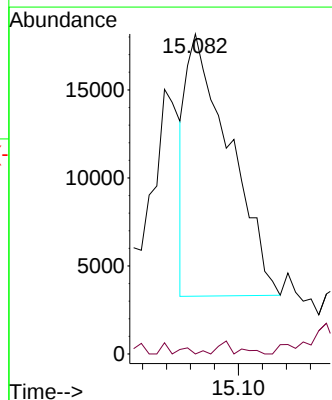
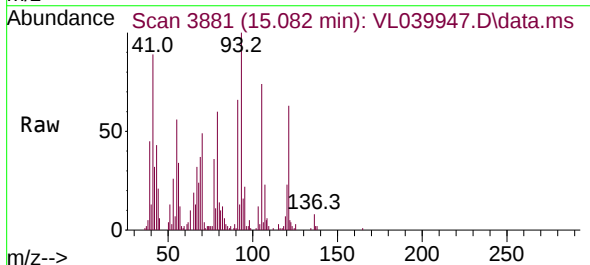
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

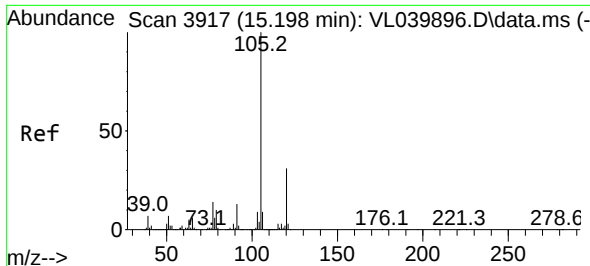
Tgt Ion: 91 Resp: 24338
Ion Ratio Lower Upper
91 100
92 98.5 44.2 66.2#
134 0.0 18.8 28.2#



#71
2-Chlorotoluene
Concen: 0.054 ppbv
RT: 15.082 min Scan# 3881
Delta R.T. 0.293 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion: 91 Resp: 18736
Ion Ratio Lower Upper
91 100
126 14.5 12.8 51.0

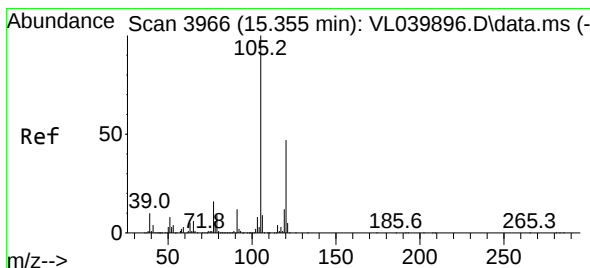
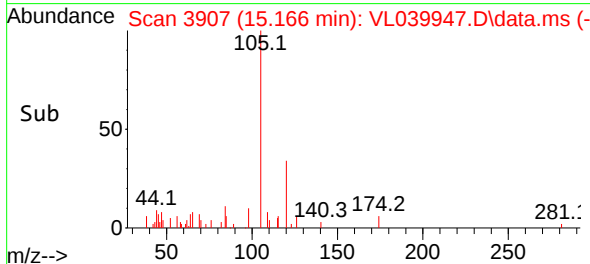
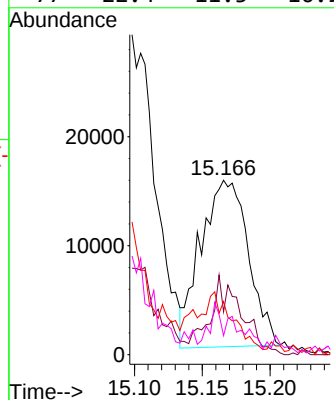
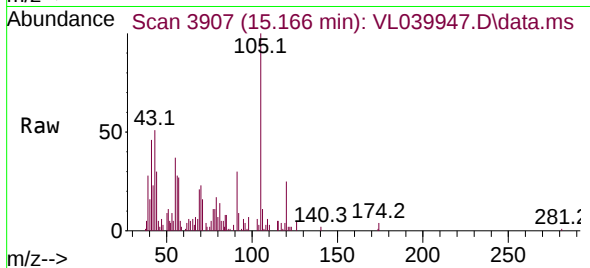




#72
4-Ethyltoluene
Concen: 0.104 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. -0.016 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

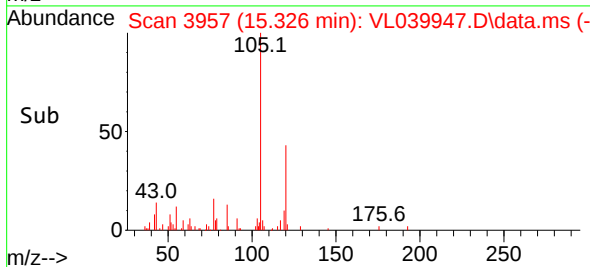
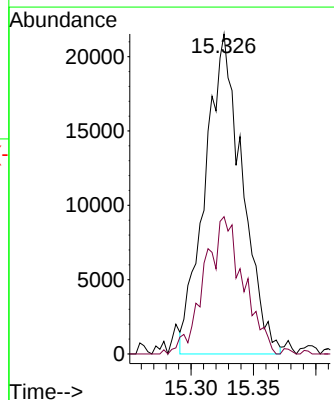
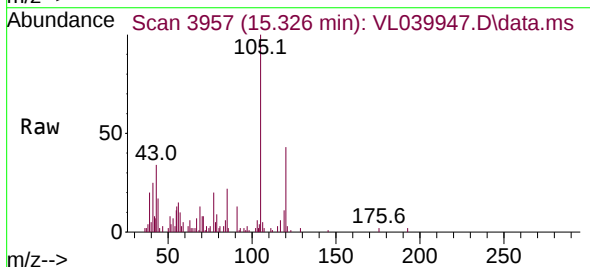
Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

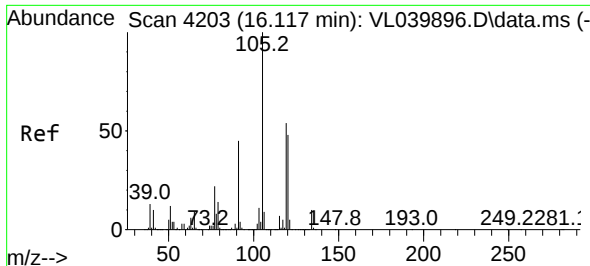
Tgt Ion	Ion:105	Resp:	37321
	Ratio	Lower	Upper
105	100		
120	32.9	24.5	36.7
91	34.7	10.4	15.6#
77	22.4	11.3	16.9#



#73
1,3,5-Trimethylbenzene
Concen: 0.137 ppbv
RT: 15.326 min Scan# 3957
Delta R.T. -0.016 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion:105	Resp:	44859	
Ion	Ratio	Lower	Upper
105	100		
120	43.8	37.9	56.9

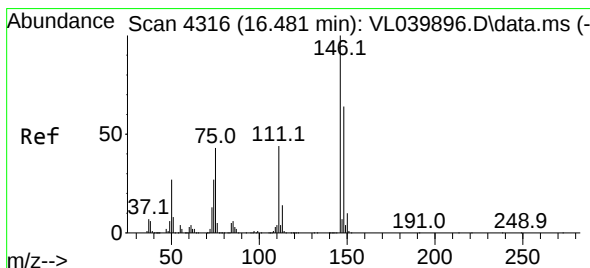
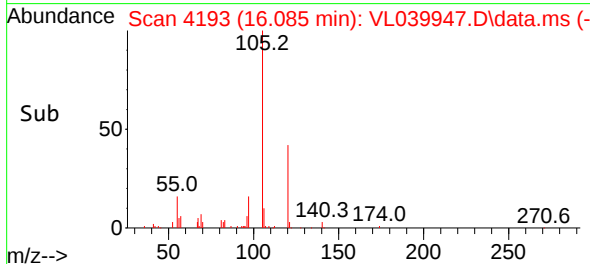
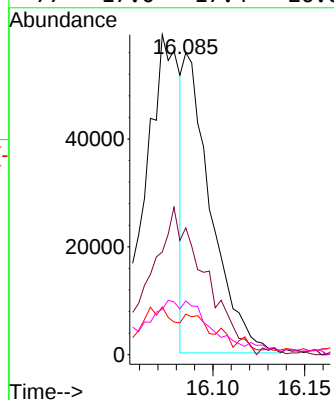
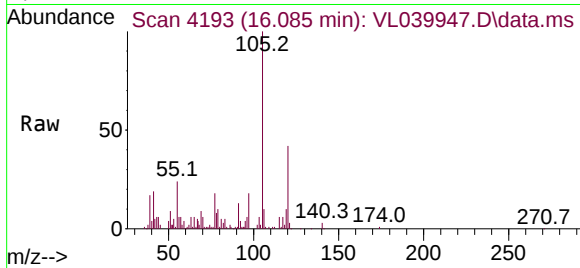




#74
 1,2,4-Trimethylbenzene
 Concen: 0.167 ppbv
 RT: 16.085 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

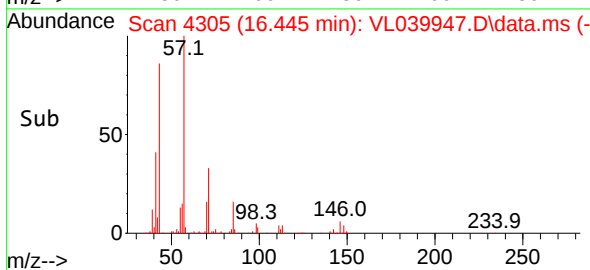
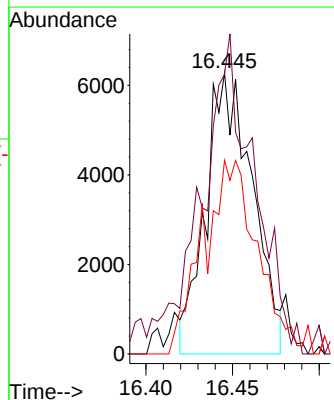
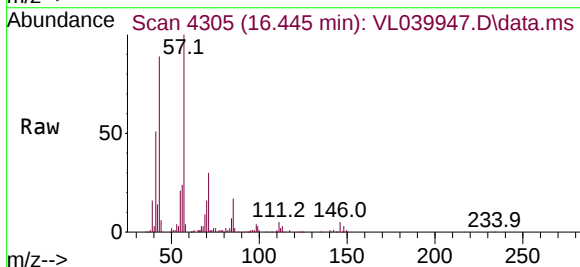
Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SS

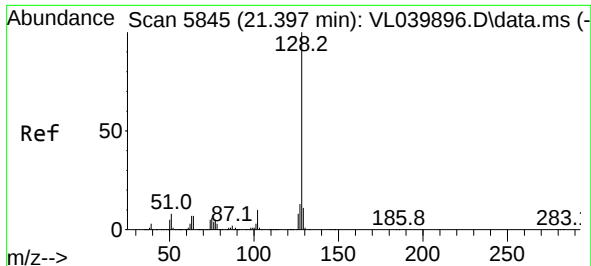
Tgt Ion:	105	Resp:	57807
Ion	Ratio	Lower	Upper
105	100		
120	41.1	38.7	58.1
91	12.0	36.4	54.6#
77	17.0	17.4	26.0#



#76
 1,4-Dichlorobenzene
 Concen: 0.061 ppbv
 RT: 16.445 min Scan# 4305
 Delta R.T. -0.023 min
 Lab File: VL039947.D
 Acq: 1 Dec 2022 18:22

Tgt Ion:	146	Resp:	11814
Ion	Ratio	Lower	Upper
146	100		
111	136.3	22.4	67.3#
148	81.9	32.3	96.9

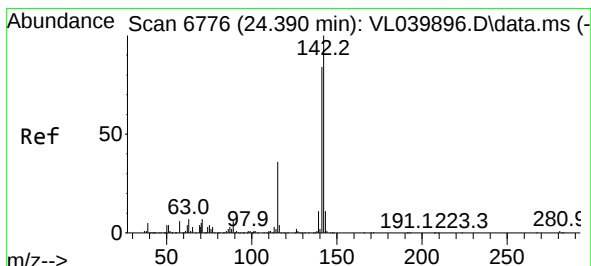
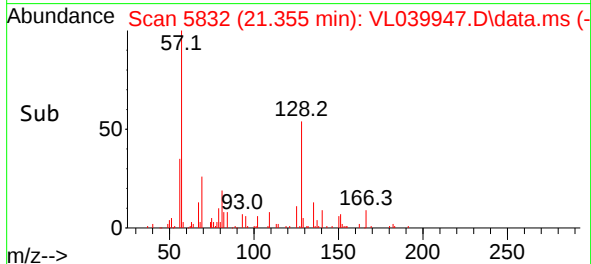
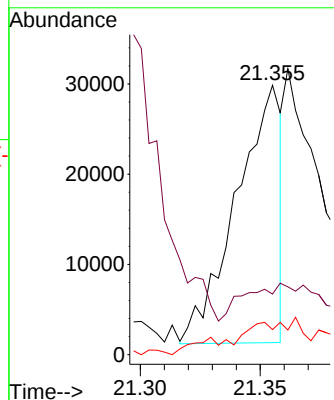
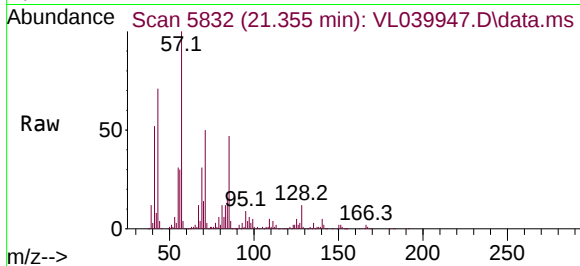




#79
Naphthalene
Concen: 0.178 ppbv
RT: 21.355 min Scan# 5832
Delta R.T. -0.016 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Instrument :
MSVOA_L
ClientSampleId :
TPC-SS

Tgt Ion:128 Resp: 36953
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 7.6 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.365 ppbv
RT: 24.352 min Scan# 6764
Delta R.T. -0.019 min
Lab File: VL039947.D
Acq: 1 Dec 2022 18:22

Tgt Ion:142 Resp: 21295
Ion Ratio Lower Upper
142 100
141 323.9 69.1 103.7#
115 37.3 29.6 44.4

