

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032223\
 Data File : VX034681.D
 Acq On : 22 Mar 2023 18:44
 Operator : JC/MD
 Sample : 02023-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-11-TEST-PIT-ON-CENTRAL

Quant Time: Mar 23 07:56:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

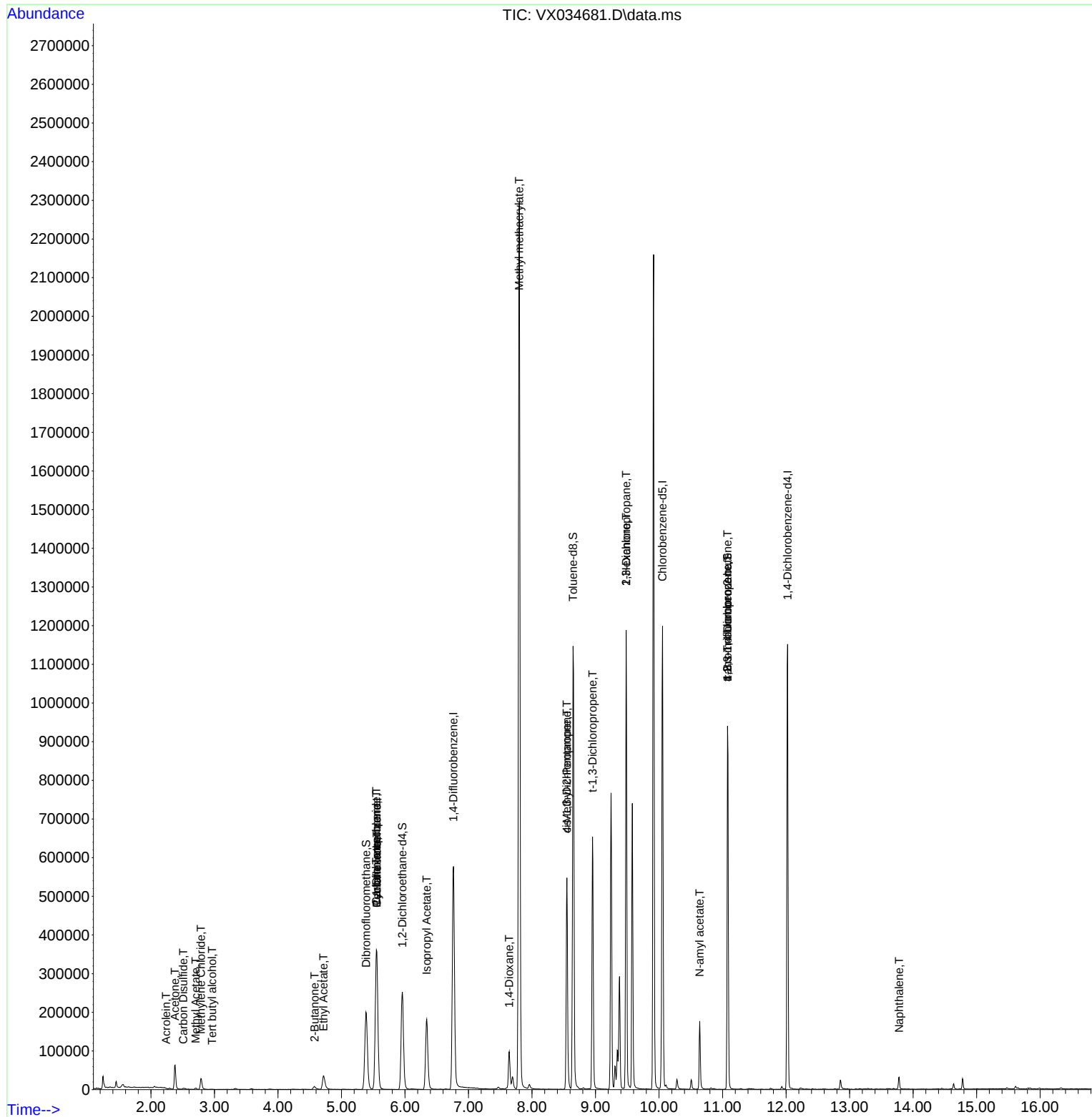
Internal Standards						
1) Pentafluorobenzene	5.556	168	330638	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	567151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	507544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	234576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	252471	52.488	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.980%			
35) Dibromofluoromethane	5.385	113	174323	46.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.100%			
50) Toluene-d8	8.647	98	663694	47.478	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.960%			
62) 4-Bromofluorobenzene	11.079	95	258830	45.840	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	386	Below Cal	#	75
11) Tert butyl alcohol	2.965	59	349	0.348	ug/l #	73
13) Acrolein	2.239	56	513	0.647	ug/l #	21
16) Acetone	2.380	43	66606	29.396	ug/l	96
17) Carbon Disulfide	2.508	76	2657	0.261	ug/l	97
18) Methyl Acetate	2.703	43	4340	0.586	ug/l #	90
20) Methylene Chloride	2.788	84	13005	2.957	ug/l	96
25) 2-Butanone	4.574	43	15173	4.680	ug/l	95
31) Cyclohexane	5.556	56	7969	1.181	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	28668	4.984	ug/l #	50
37) Ethyl Acetate	4.715	43	62463	9.941	ug/l	97
38) Carbon Tetrachloride	5.550	117	36876	6.445	ug/l #	16
43) Isopropyl Acetate	6.342	43	255013	23.958	ug/l	100
48) Methyl methacrylate	7.799	41	207585	40.549	ug/l #	45
49) 1,4-Dioxane	7.641	88	60	0.558	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	190783	30.897	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1438	0.221	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	81915	11.627	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	9321	1.269	ug/l #	43
59) 2-Hexanone	9.482	43	142248	29.801	ug/l #	51
74) N-amyl acetate	10.640	43	48659	5.604	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	137461	25.521	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	137461	69.043	ug/l #	8
95) Naphthalene	13.780	128	19725	1.142	ug/l	98

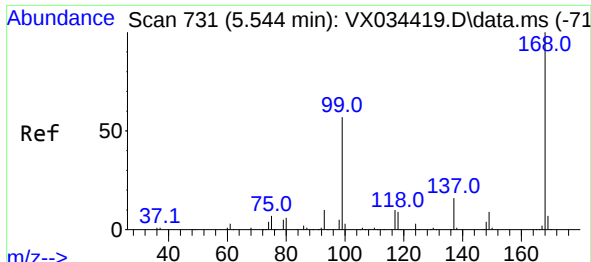
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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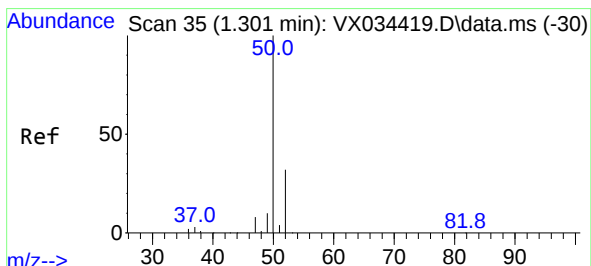
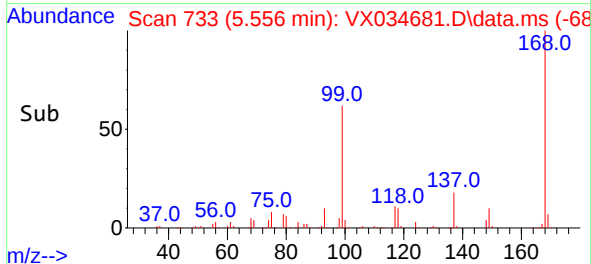
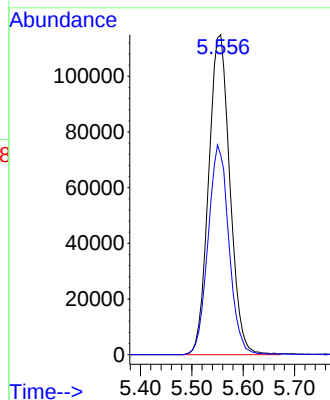
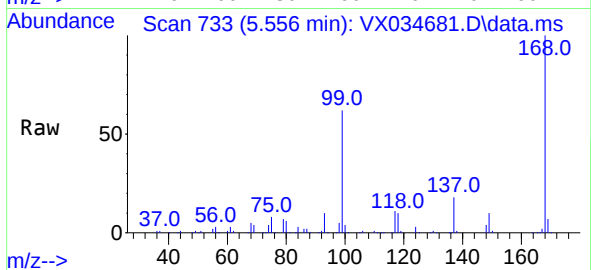




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

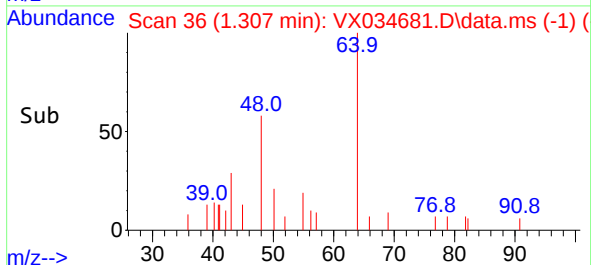
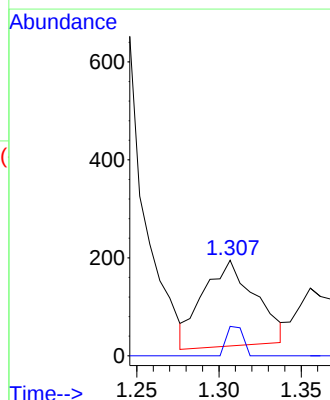
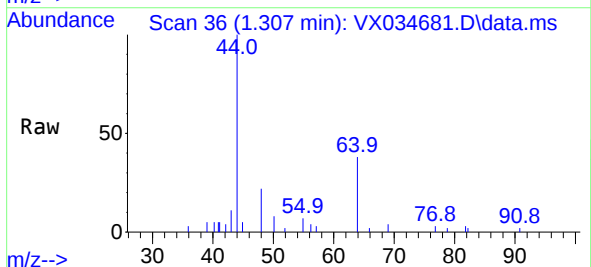
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

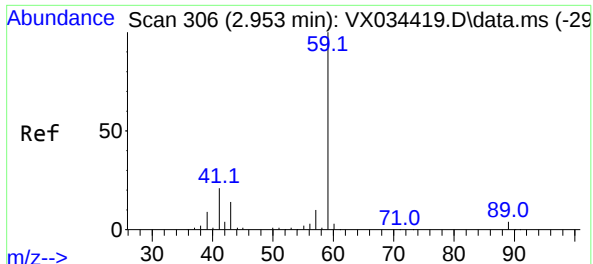
Tgt Ion:168 Resp: 330638
Ion Ratio Lower Upper
168 100
99 62.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 46.5 25.9 38.9#

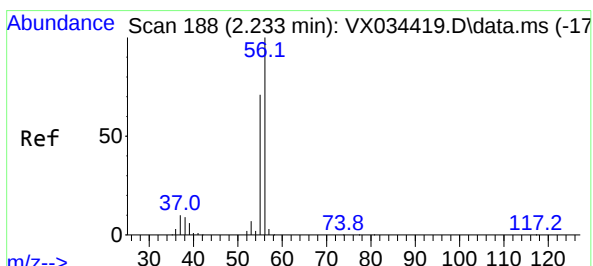
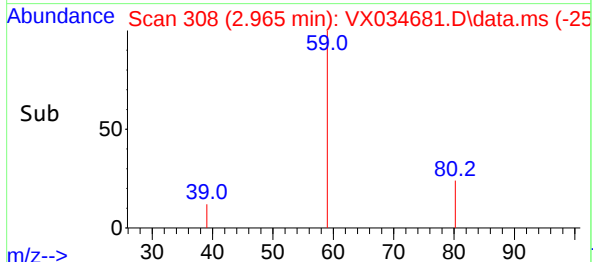
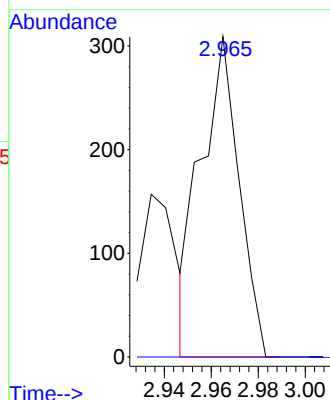
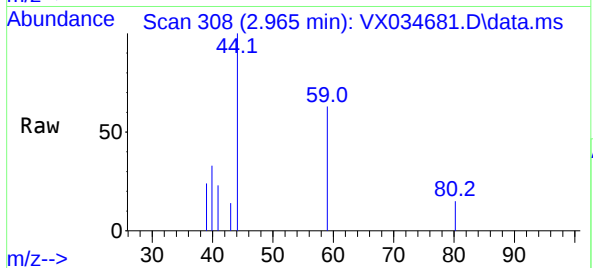




#11
Tert butyl alcohol
Concen: 0.348 ug/l
RT: 2.965 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

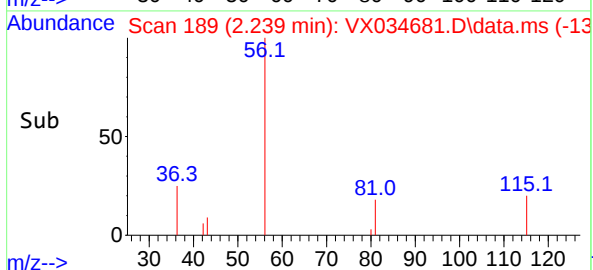
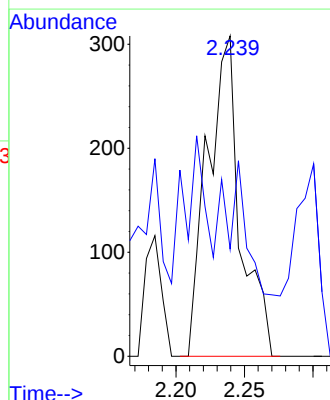
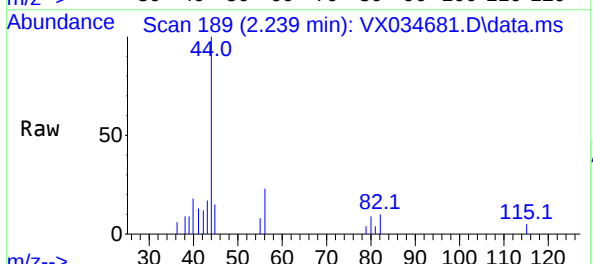
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

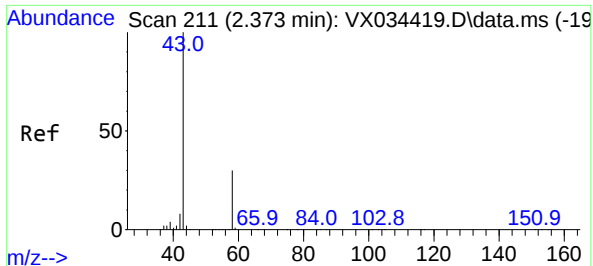
Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.647 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 56 Resp: 513
Ion Ratio Lower Upper
56 100
55 5.8 56.6 85.0#

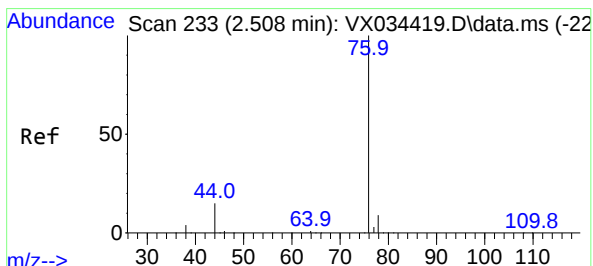
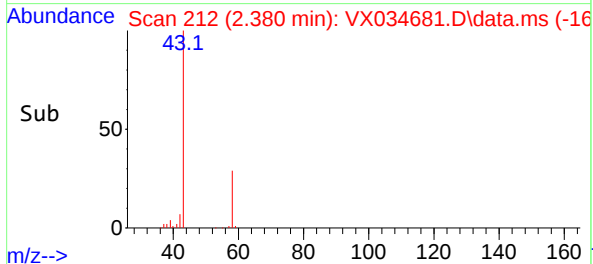
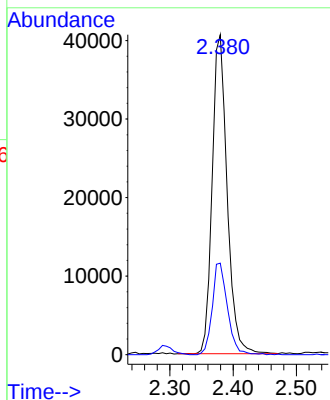
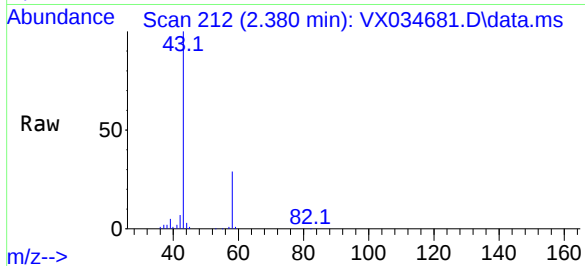




#16
Acetone
Concen: 29.396 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

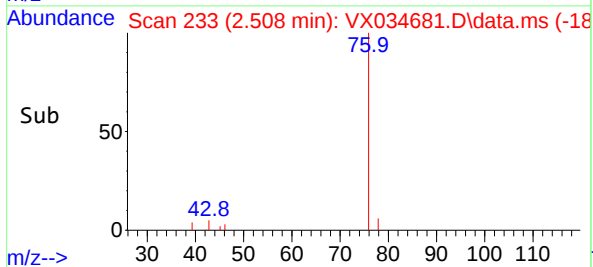
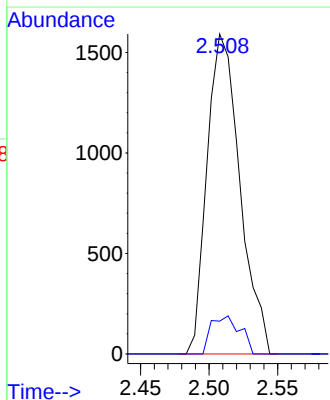
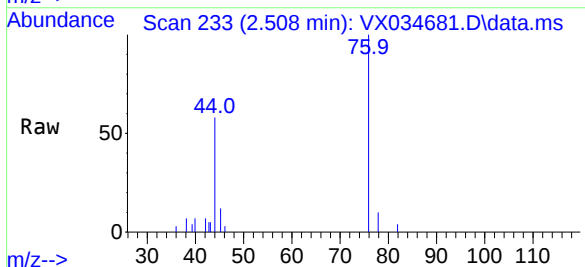
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

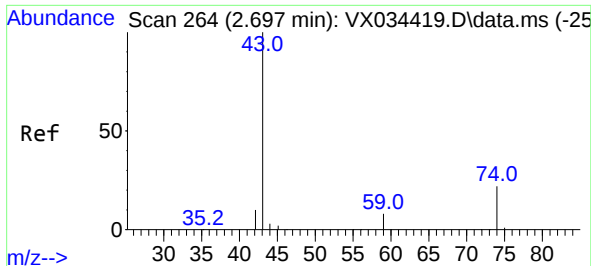
Tgt Ion: 43 Resp: 66606
Ion Ratio Lower Upper
43 100
58 28.5 24.7 37.1



#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 76 Resp: 2657
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8

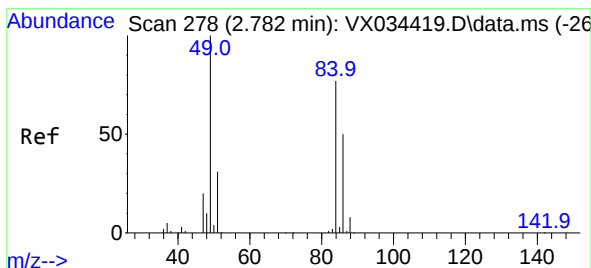
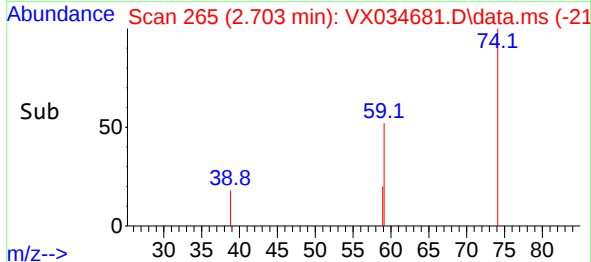
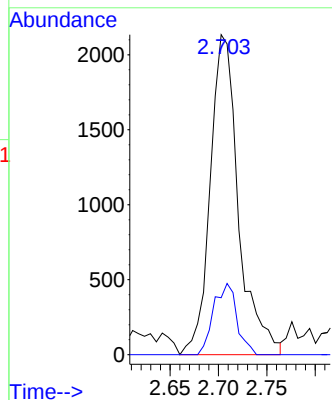
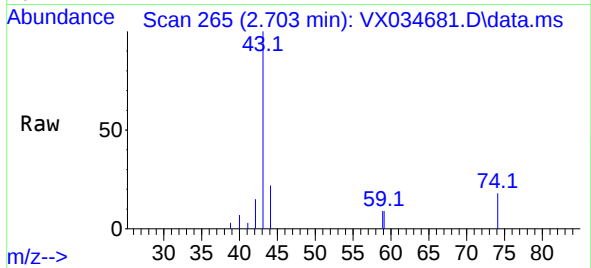




#18
Methyl Acetate
Concen: 0.586 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

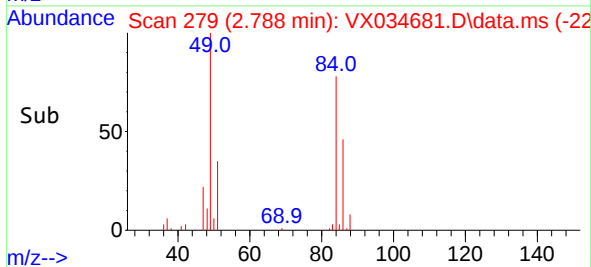
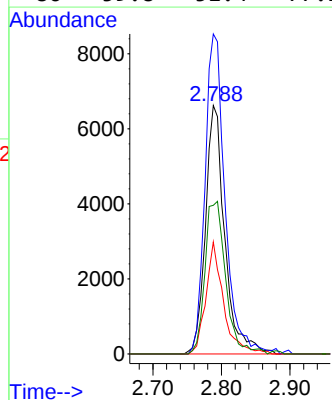
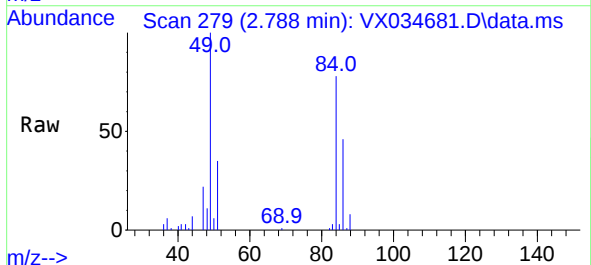
Instrument :
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ClientSampleId :
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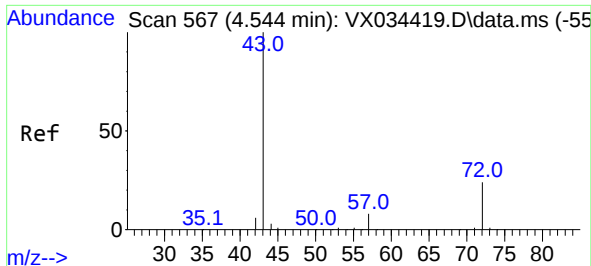
Tgt Ion: 43 Resp: 4340
Ion Ratio Lower Upper
43 100
74 18.2 18.3 27.5#



#20
Methylene Chloride
Concen: 2.957 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 84 Resp: 13005
Ion Ratio Lower Upper
84 100
49 128.8 103.8 155.8
51 45.1 31.8 47.8
86 59.8 51.4 77.2

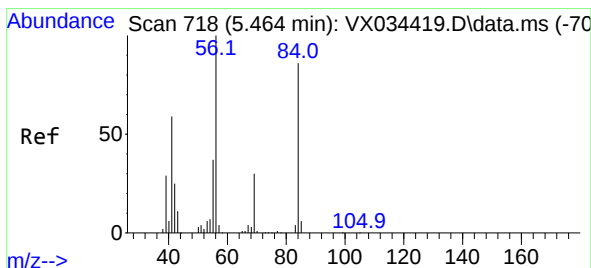
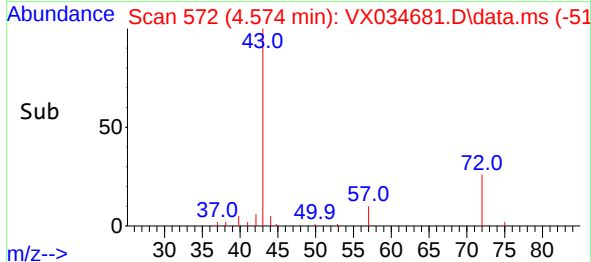
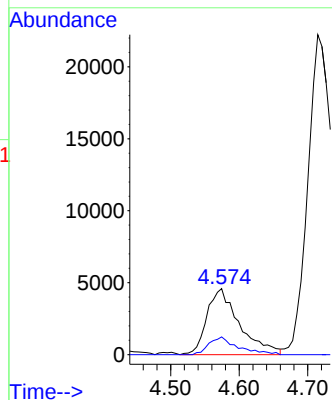
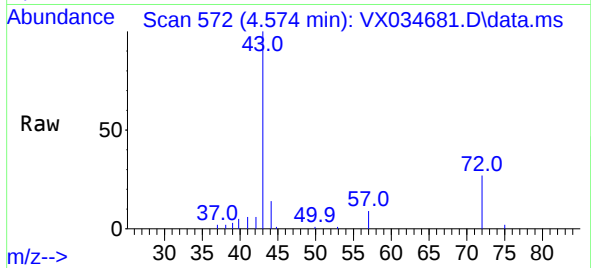




#25
2-Butanone
Concen: 4.680 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

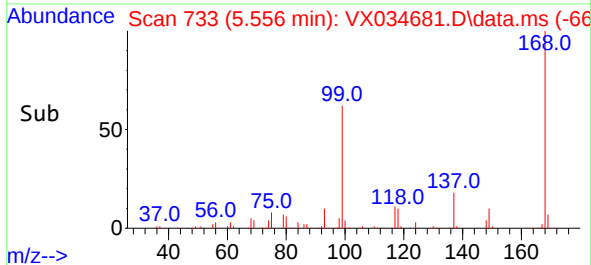
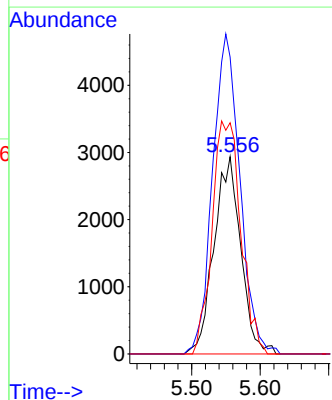
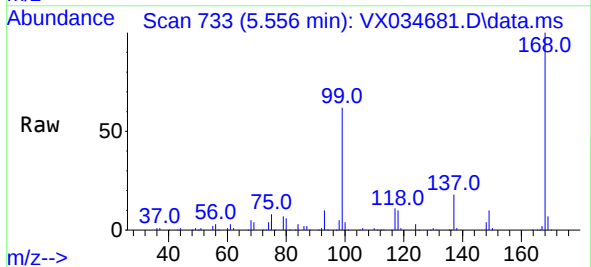
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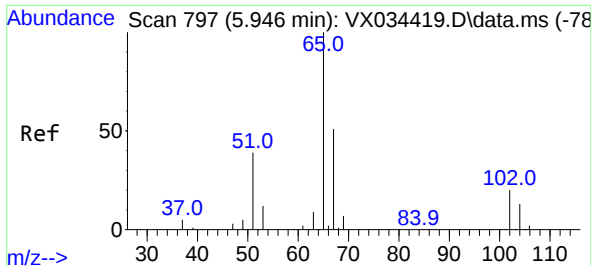
Tgt Ion: 43 Resp: 15173
Ion Ratio Lower Upper
43 100
72 26.8 19.3 28.9



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 56 Resp: 7969
Ion Ratio Lower Upper
56 100
69 150.5 23.7 35.5#
84 117.2 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 52.488 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

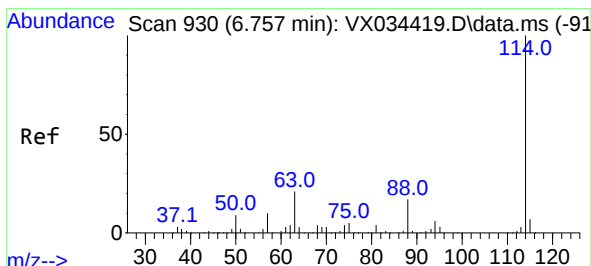
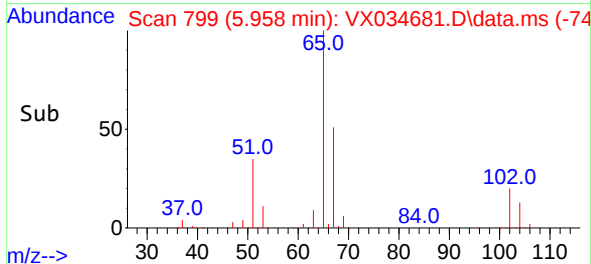
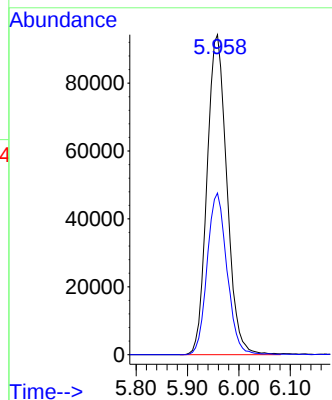
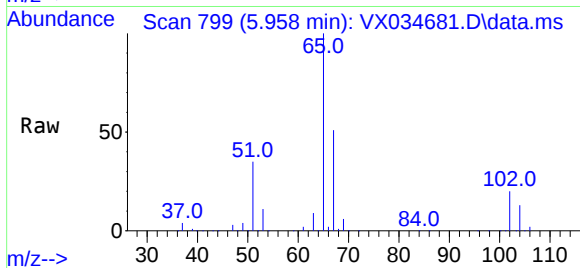
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion: 65 Resp: 252471

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

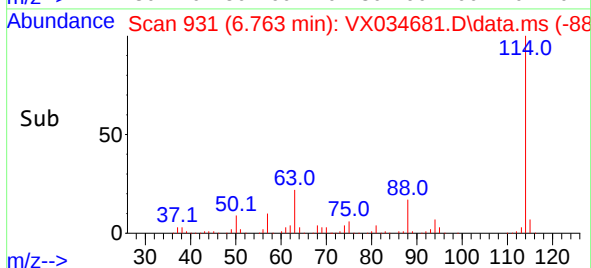
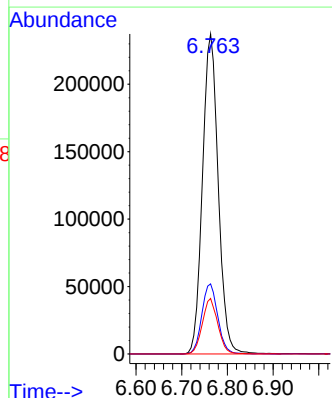
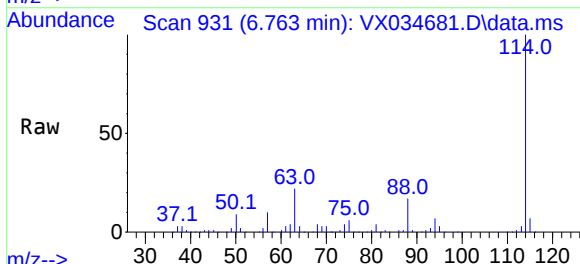
Tgt Ion: 114 Resp: 567151

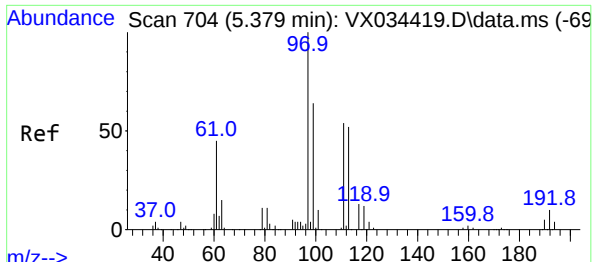
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.2

88 17.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.553 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-11-TEST-PIT-ON-CENTRAL

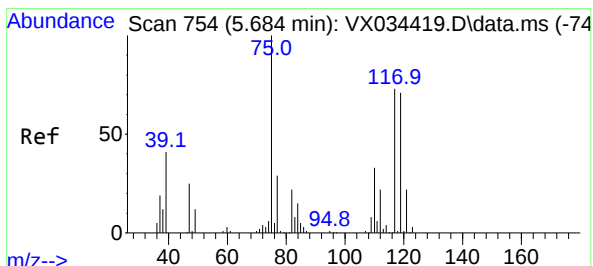
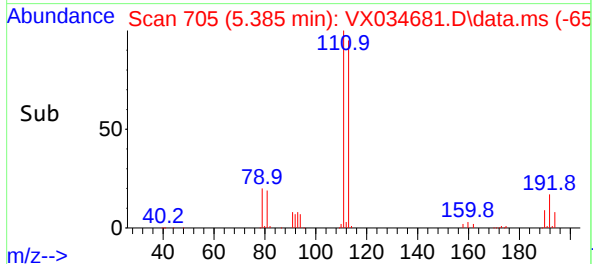
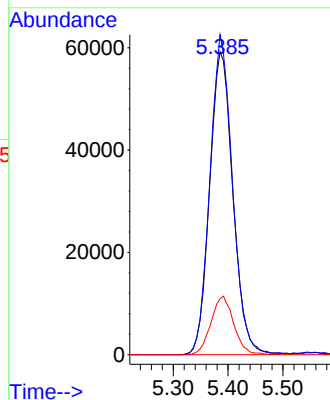
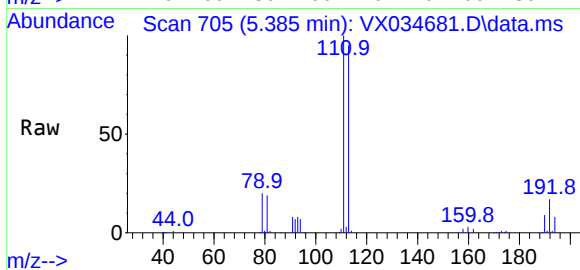
Tgt Ion:113 Resp: 174323

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

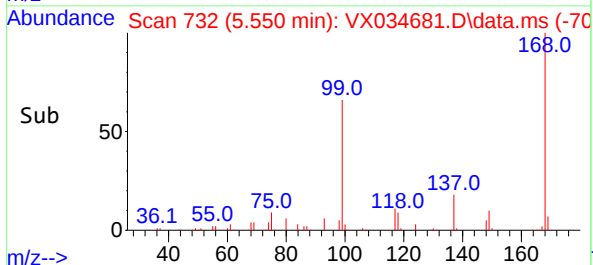
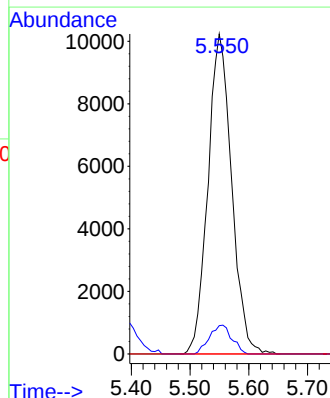
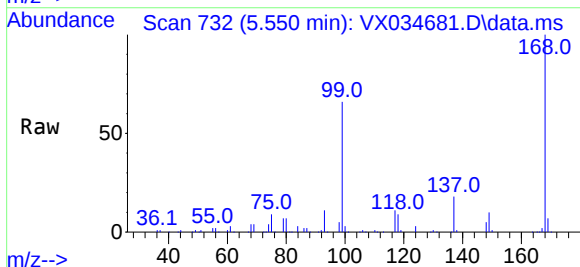
Tgt Ion: 75 Resp: 28668

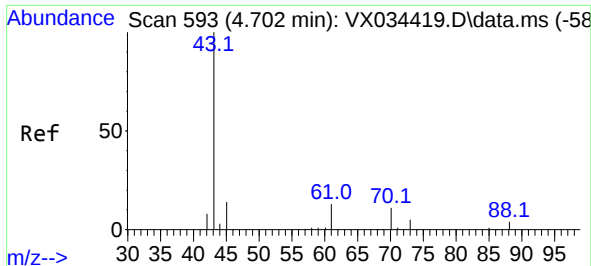
Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 9.941 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-11-TEST-PIT-ON-CENTRAL

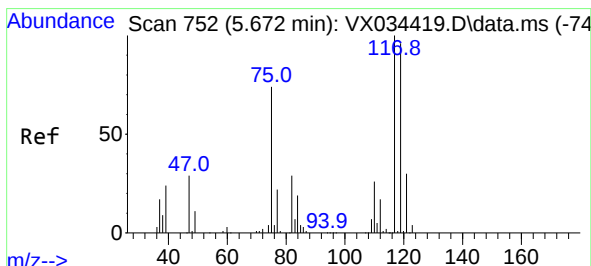
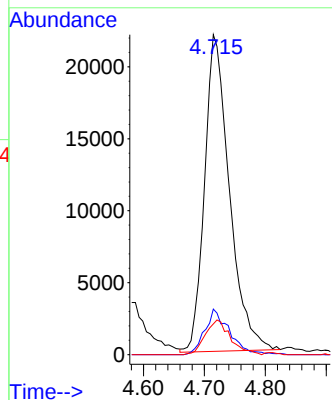
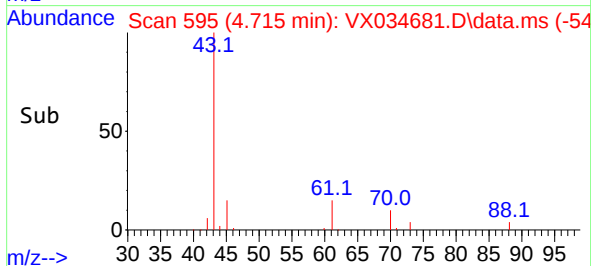
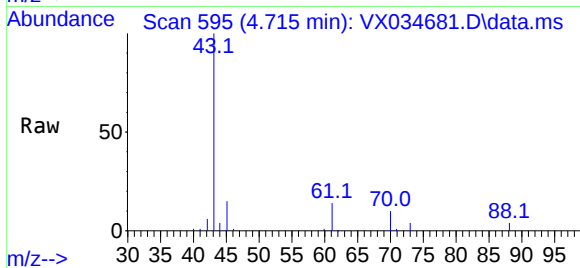
Tgt Ion: 43 Resp: 62463

Ion Ratio Lower Upper

43 100

61 14.3 10.2 15.4

70 11.0 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.445 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

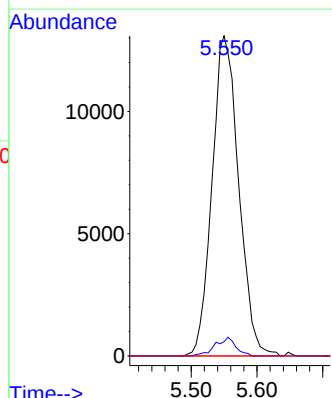
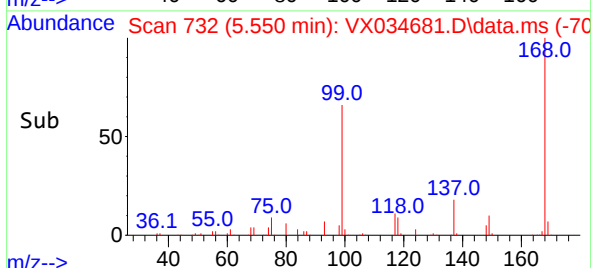
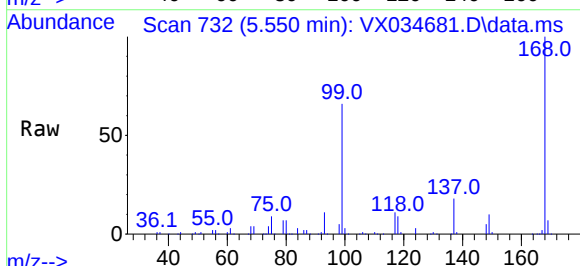
Tgt Ion: 117 Resp: 36876

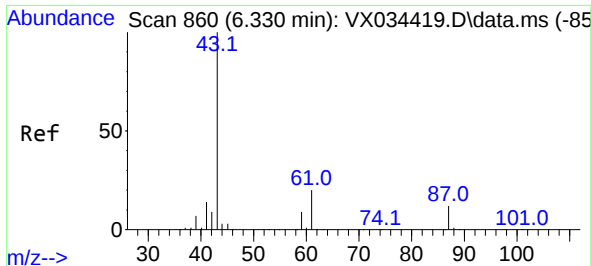
Ion Ratio Lower Upper

117 100

119 4.5 76.6 114.8#

121 0.0 23.8 35.6#

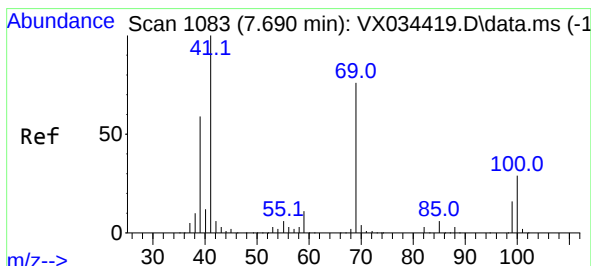
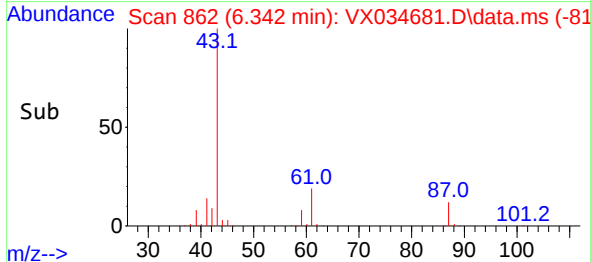
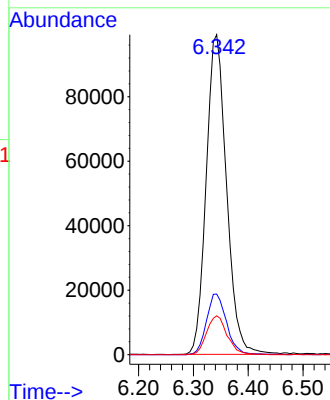
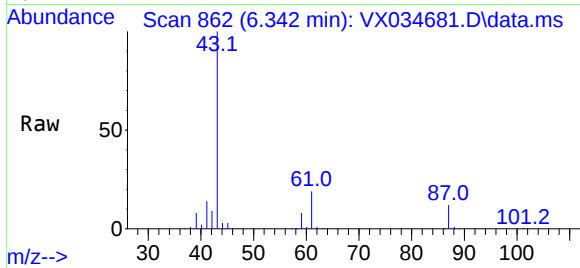




#43
Isopropyl Acetate
Concen: 23.958 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

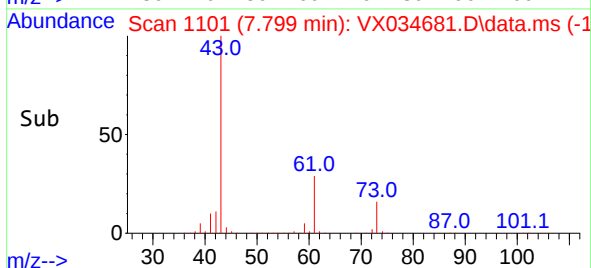
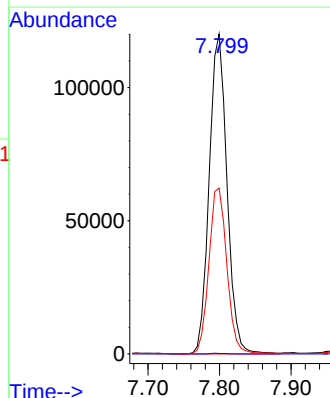
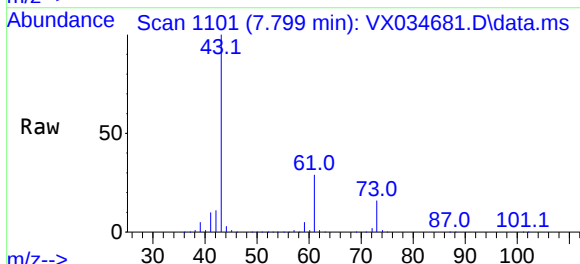
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

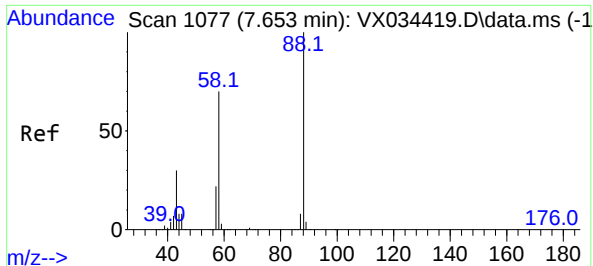
Tgt Ion: 43 Resp: 255013
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 40.549 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 41 Resp: 207585
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 52.5 47.7 71.5

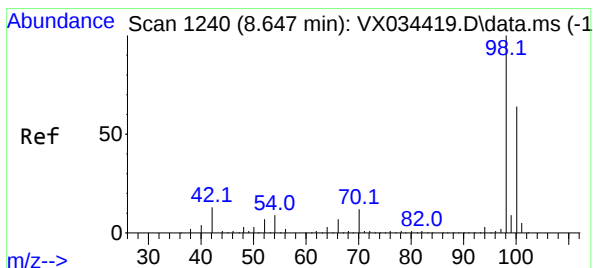
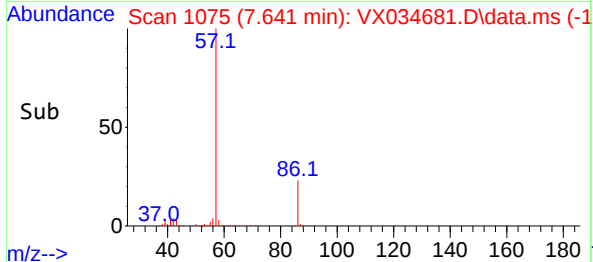
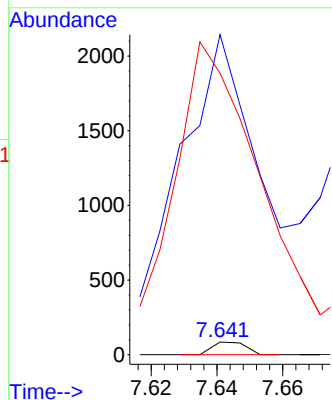
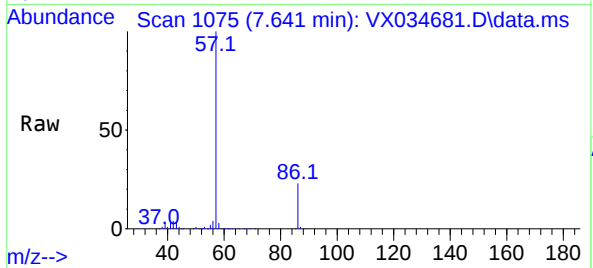




#49
1,4-Dioxane
Concen: 0.558 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

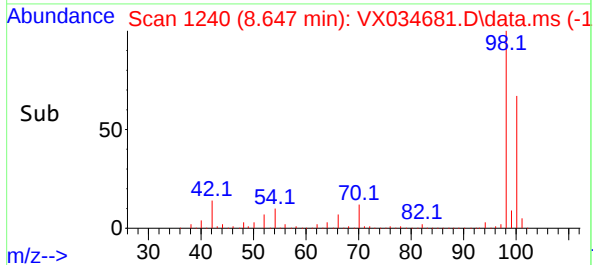
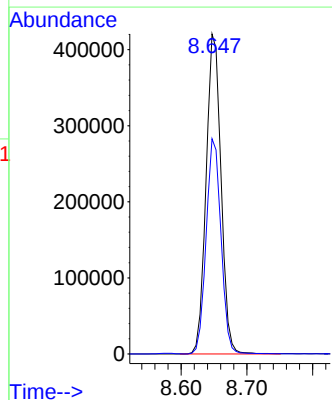
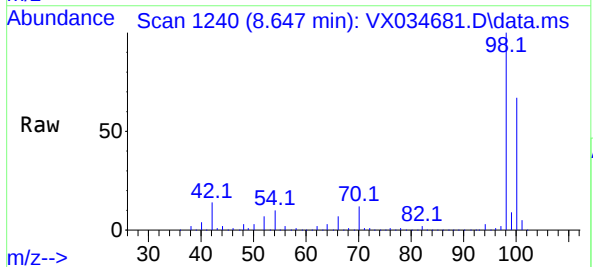
Instrument : MSVOA_X
ClientSampleId : TP-11-TEST-PIT-ON-CENTRAL

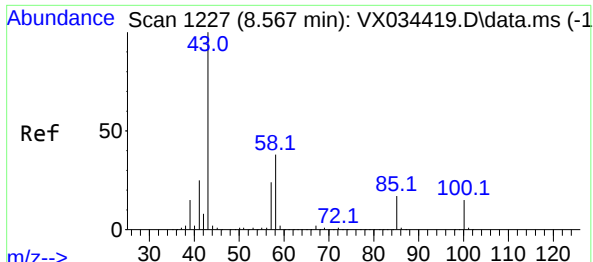
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 6460.0 56.8 85.2#



#50
Toluene-d8
Concen: 47.478 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 98 Resp: 663694
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 30.897 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

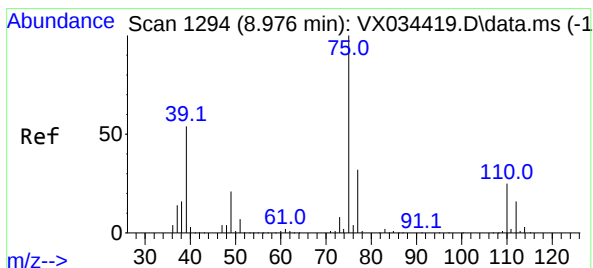
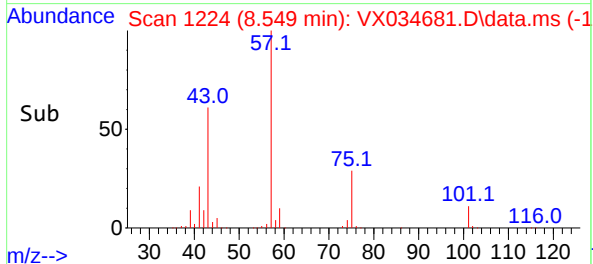
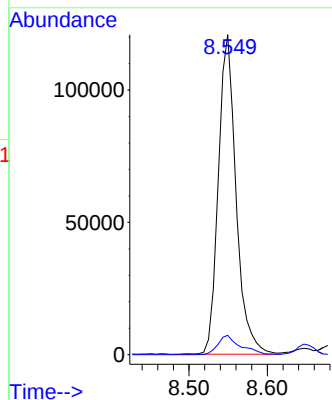
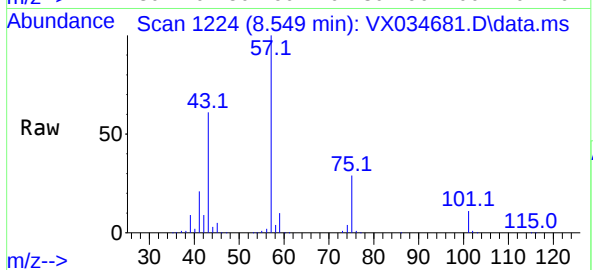
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion: 43 Resp: 190783

Ion Ratio Lower Upper

43 100

58 7.7 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX034681.D

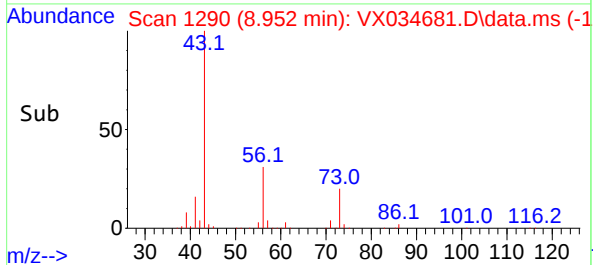
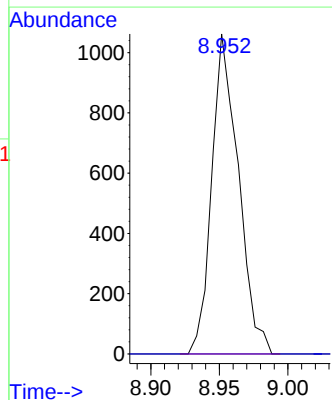
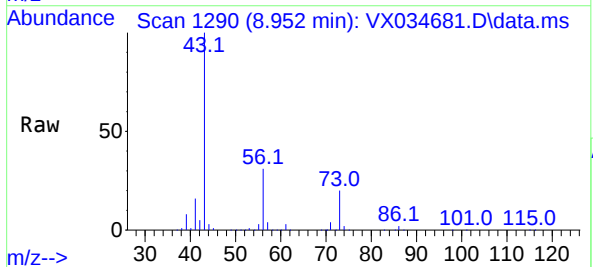
Acq: 22 Mar 2023 18:44

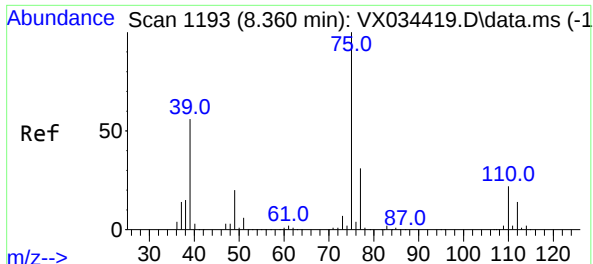
Tgt Ion: 75 Resp: 1438

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#





#54

cis-1,3-Dichloropropene

Concen: 11.627 ug/l

RT: 8.549 min Scan# 1193

Delta R.T. 0.189 min

Lab File: VX034681.D

Acq: 22 Mar 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

TP-11-TEST-PIT-ON-CENTRAL

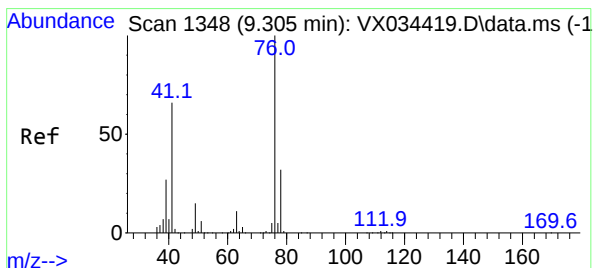
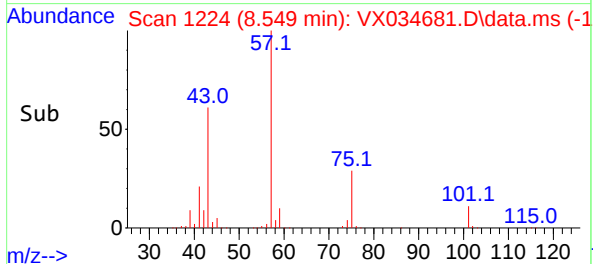
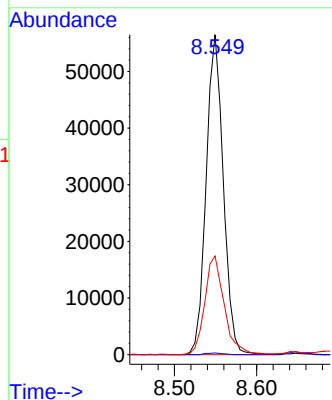
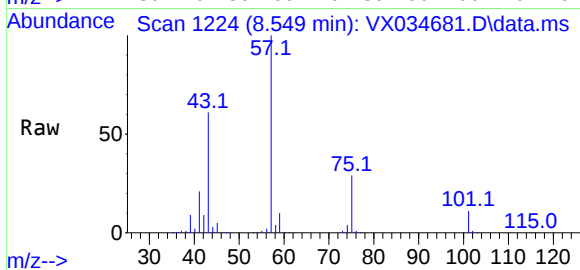
Tgt Ion: 75 Resp: 81915

Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.4#

39 30.8 44.6 66.8#



#57

1,3-Dichloropropane

Concen: 1.269 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034681.D

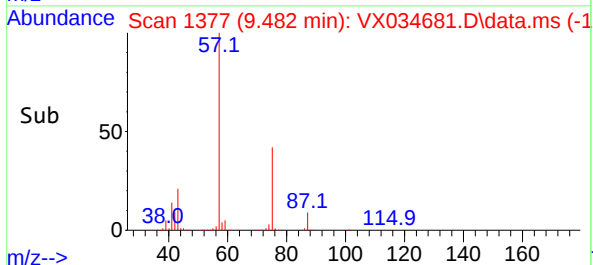
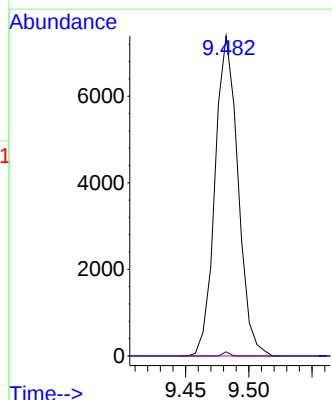
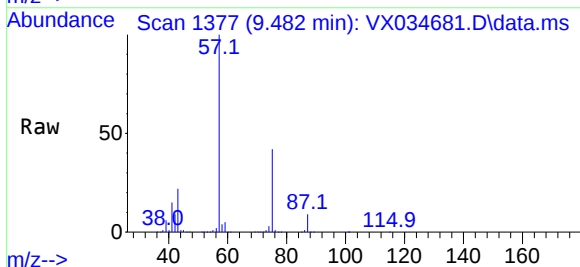
Acq: 22 Mar 2023 18:44

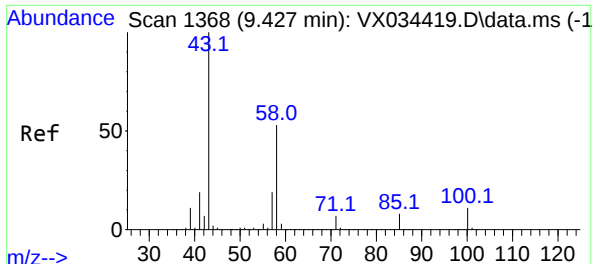
Tgt Ion: 76 Resp: 9321

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#

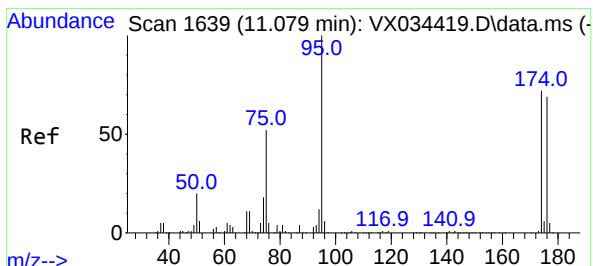
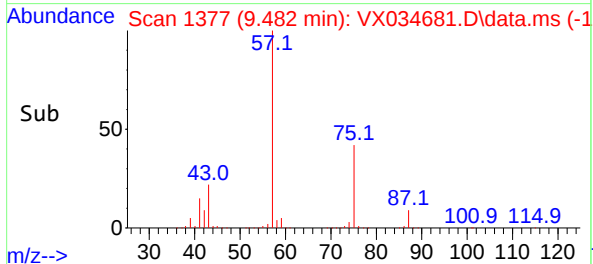
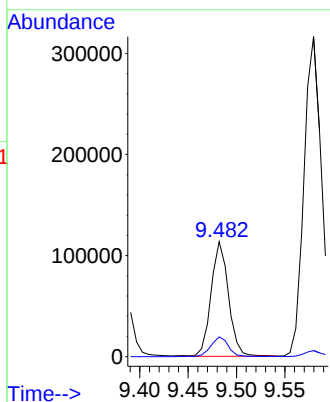
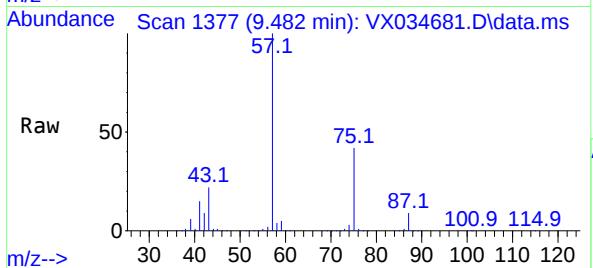




#59
2-Hexanone
Concen: 29.801 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

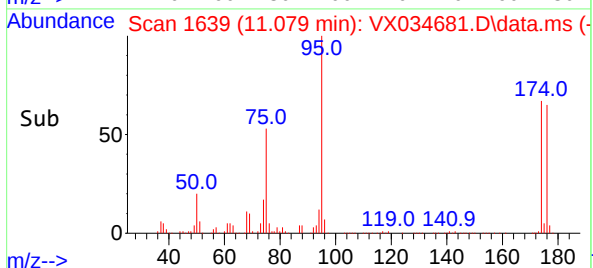
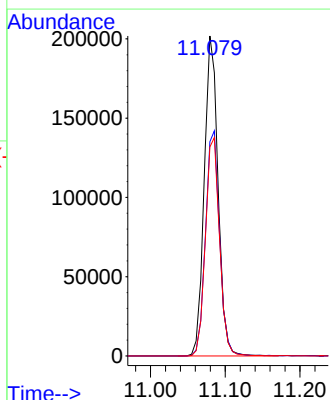
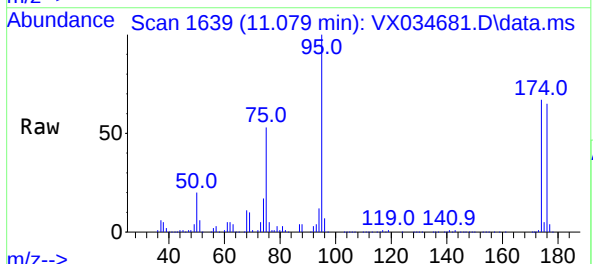
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

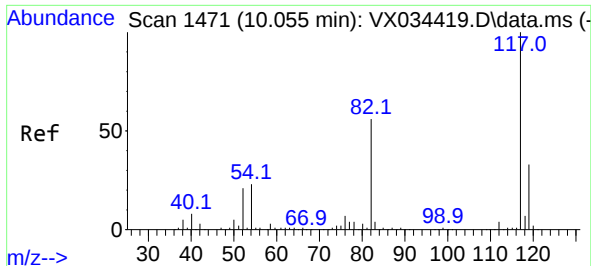
Tgt Ion: 43 Resp: 142248
Ion Ratio Lower Upper
43 100
58 17.7 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 45.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 95 Resp: 258830
Ion Ratio Lower Upper
95 100
174 71.6 0.0 147.4
176 69.9 0.0 140.6

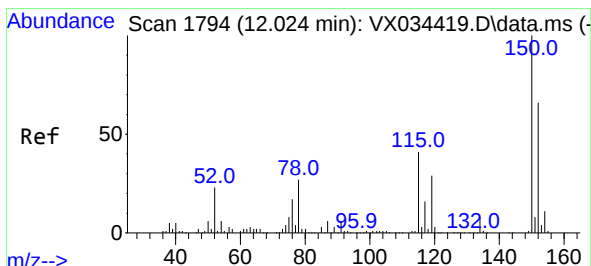
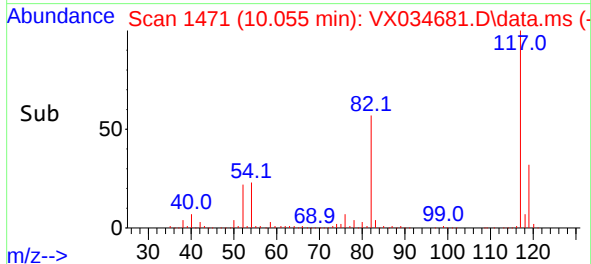
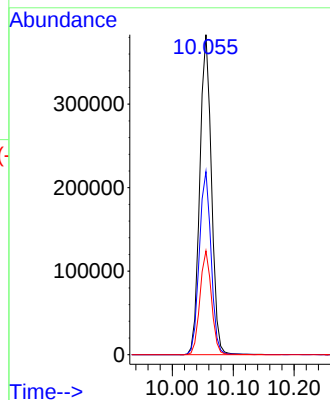
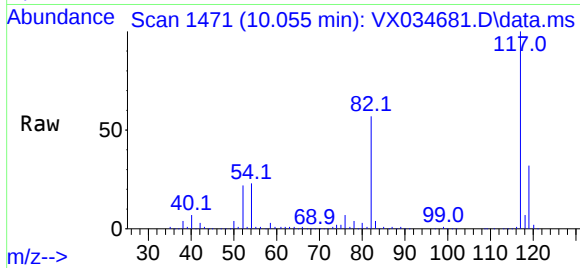




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

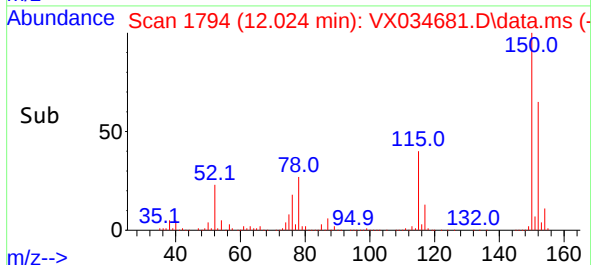
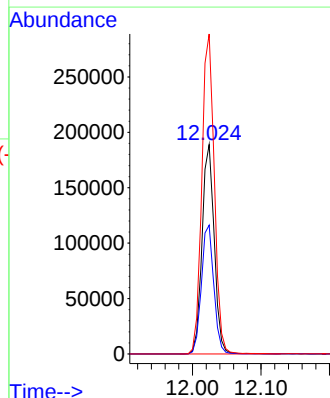
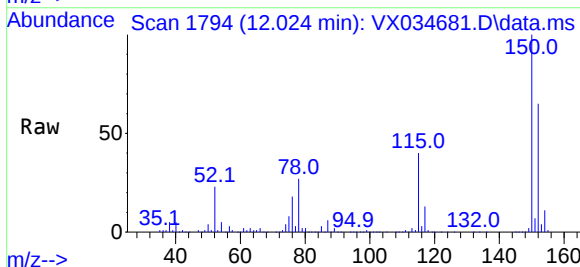
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

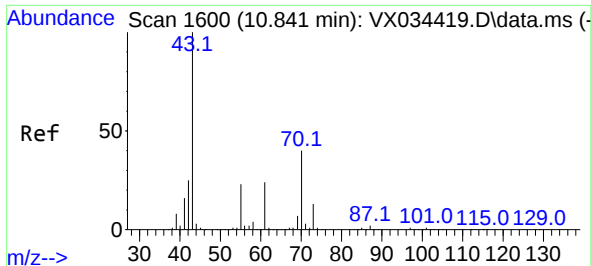
Tgt Ion:117 Resp: 507544
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion:152 Resp: 234576
Ion Ratio Lower Upper
152 100
115 62.5 45.0 135.0
150 156.6 0.0 352.4

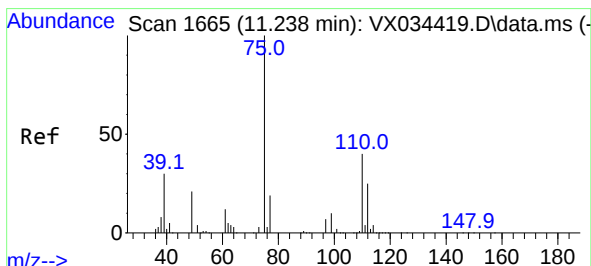
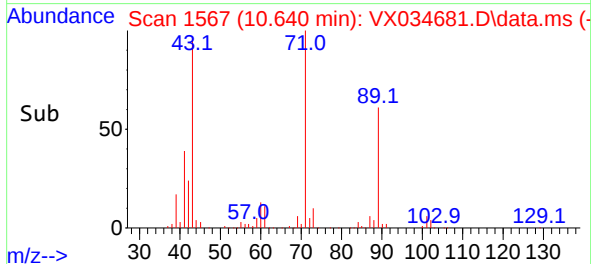
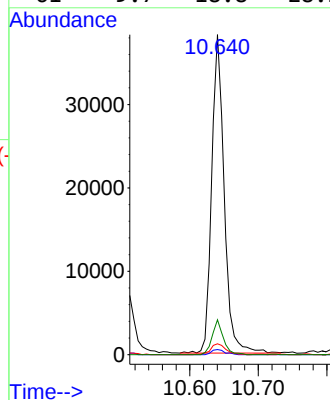
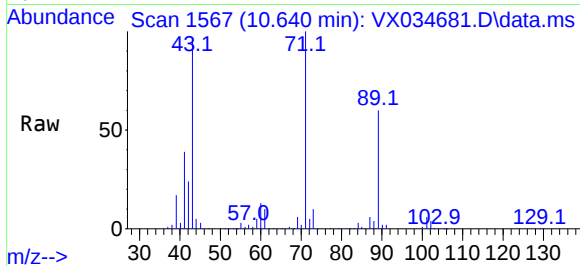




#74
N-amy1 acetate
Concen: 5.604 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

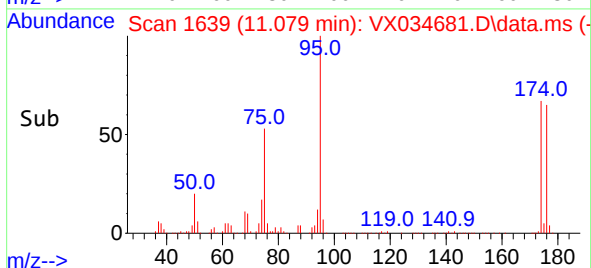
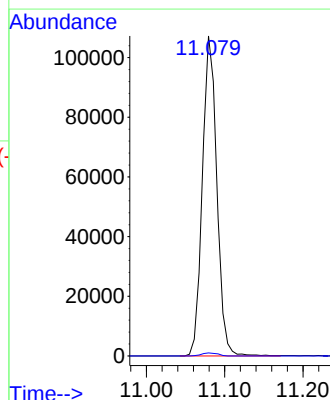
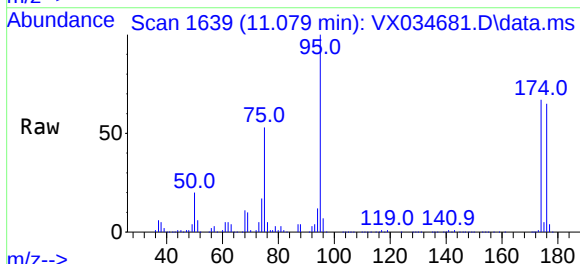
Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

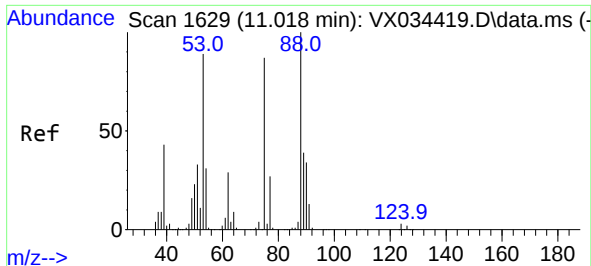
Tgt Ion: 43	Resp: 48659
Ion Ratio	Lower Upper
43 100	
70 1.7	32.1 48.1#
55 4.2	18.3 27.5#
61 9.7	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion: 75	Resp: 137461
Ion Ratio	Lower Upper
75 100	
77 1.1	21.6 64.8#

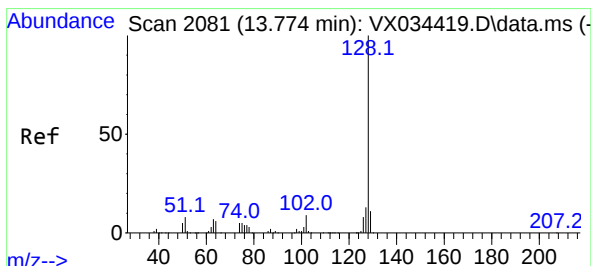
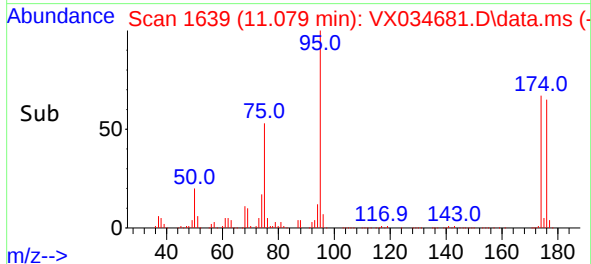
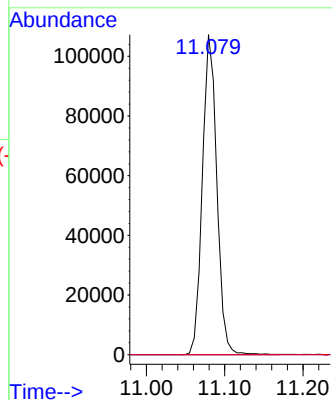
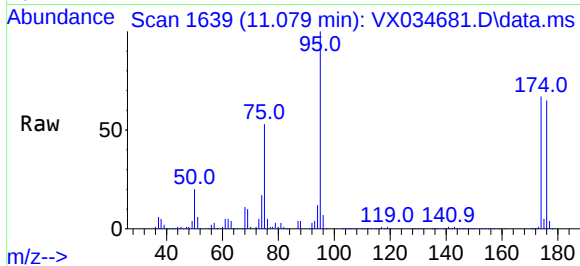




#81
trans-1,4-Dichloro-2-butene
Concen: 69.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion: 75 Resp: 137461
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.142 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034681.D
Acq: 22 Mar 2023 18:44

Tgt Ion:128 Resp: 19725
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 12.4 8.6 13.0

