

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024544.D
 Acq On : 05 Oct 2021 01:45
 Operator : JC/MD
 Sample : PB139556ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139556ZHE#01

Quant Time: Oct 05 08:34:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

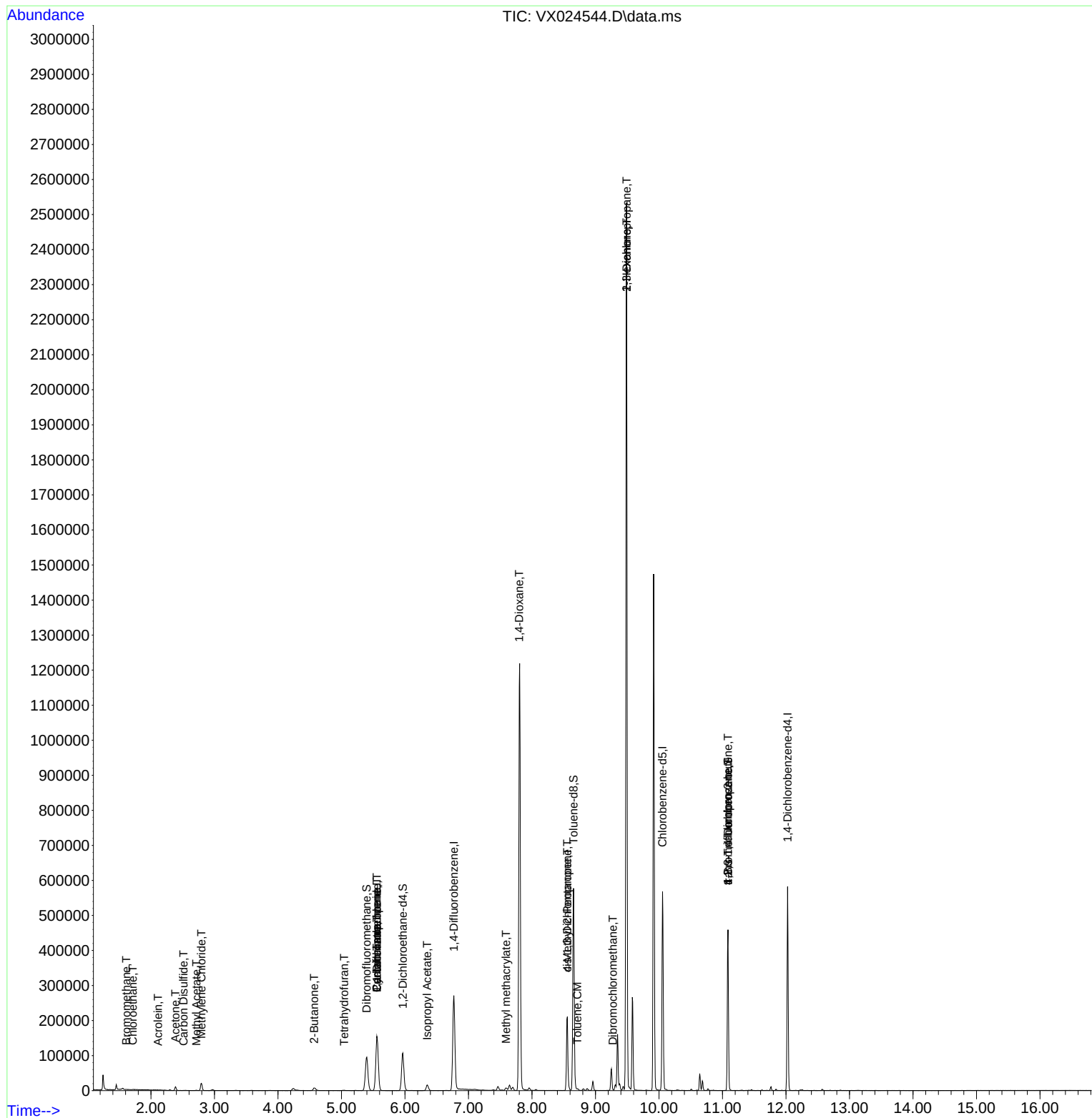
Internal Standards						
1) Pentafluorobenzene	5.556	168	140903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	271595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105603	53.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.360%			
35) Dibromofluoromethane	5.397	113	82674	45.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.640%			
50) Toluene-d8	8.653	98	343937	51.792	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.580%			
62) 4-Bromofluorobenzene	11.085	95	118719	45.469	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	246	0.261	ug/l #	73
6) Chloroethane	1.715	64	496	0.788	ug/l #	69
11) Tert butyl alcohol	2.971	59	3158	Below Cal		96
13) Acrolein	2.111	56	20	10.236	ug/l #	14
16) Acetone	2.386	43	11052	3.178	ug/l	95
17) Carbon Disulfide	2.514	76	402	0.348	ug/l #	75
18) Methyl Acetate	2.715	43	1461	0.491	ug/l #	84
20) Methylene Chloride	2.794	84	9473	5.354	ug/l	94
25) 2-Butanone	4.568	43	14207	10.388	ug/l #	88
29) Tetrahydrofuran	5.044	42	1000	1.148	ug/l #	55
31) Cyclohexane	5.556	56	2970	1.249	ug/l #	33
36) 1,1-Dichloropropene	5.556	75	10819	4.155	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14932	5.269	ug/l #	18
43) Isopropyl Acetate	6.349	43	20953	4.240	ug/l	95
48) Methyl methacrylate	7.592	41	7254	2.964	ug/l #	10
49) 1,4-Dioxane	7.799	88	63	1.124	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	72577	22.245	ug/l #	45
52) Toluene	8.714	92	1022	0.213	ug/l	92
54) cis-1,3-Dichloropropene	8.555	75	33113	10.885	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	21574	6.430	ug/l #	42
59) 2-Hexanone	9.488	43	289601	112.714	ug/l #	45
60) Dibromochloromethane	9.275	129	80	1.222	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	62294	23.582	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62294	64.417	ug/l #	12

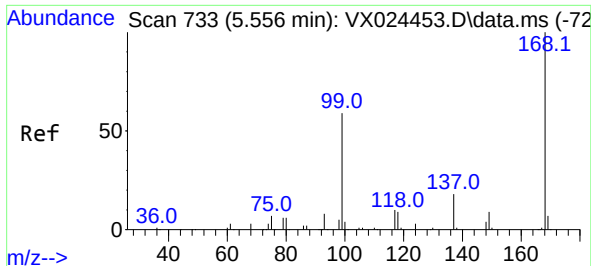
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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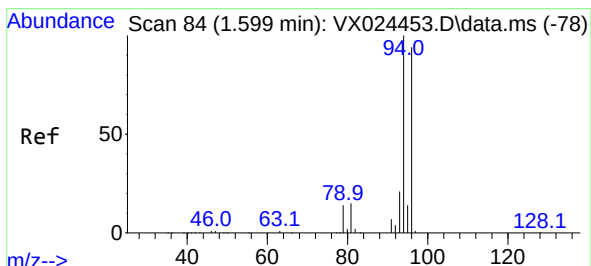
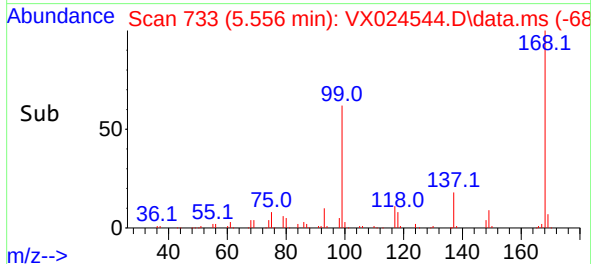
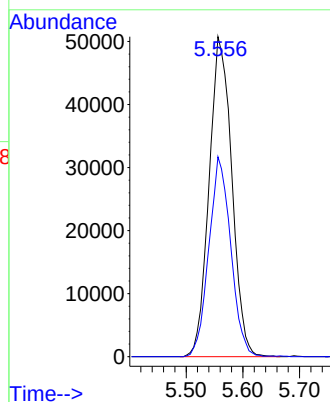
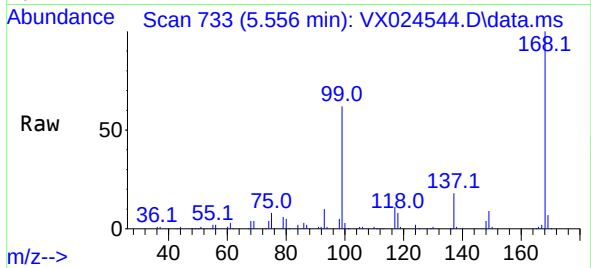




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

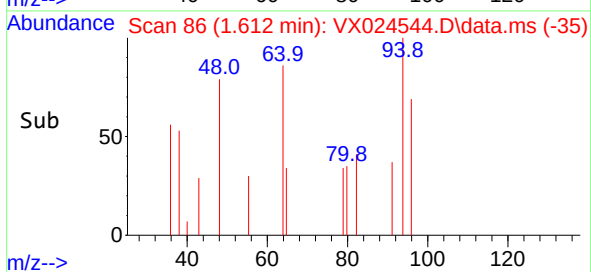
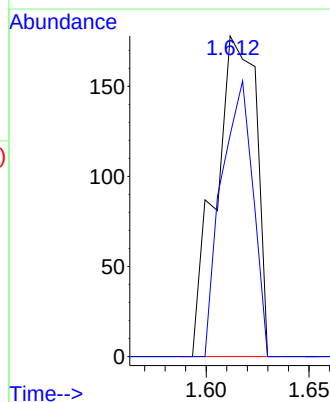
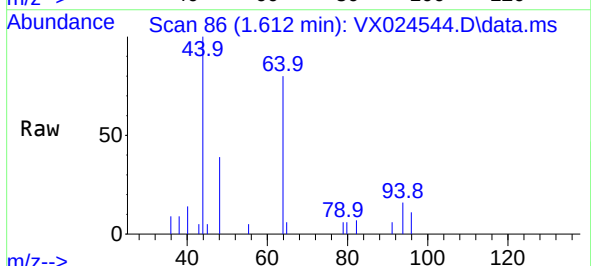
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

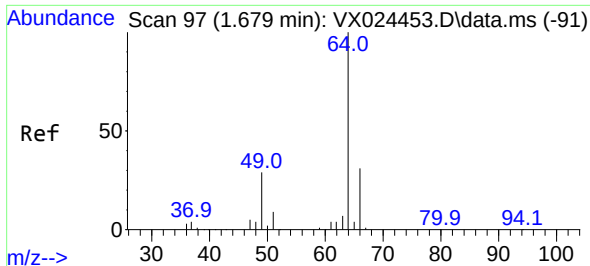
Tgt Ion:168 Resp: 140903
Ion Ratio Lower Upper
168 100
99 62.5 45.8 68.6



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 69.1 76.4 114.6#

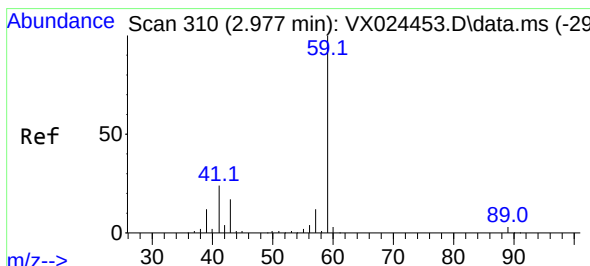
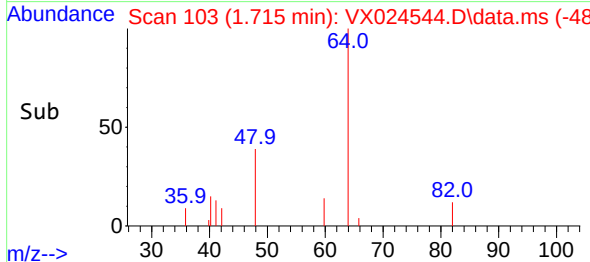
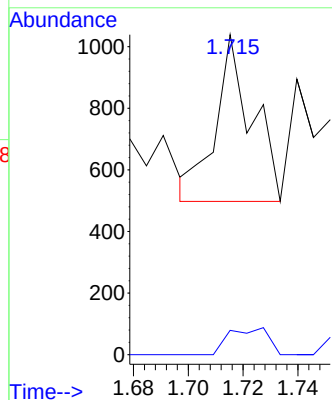
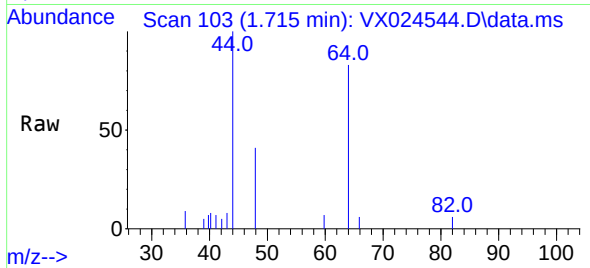




#6
Chloroethane
Concen: 0.788 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

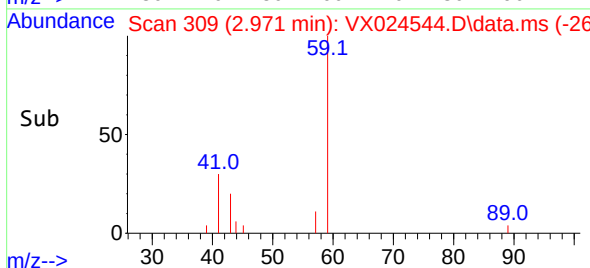
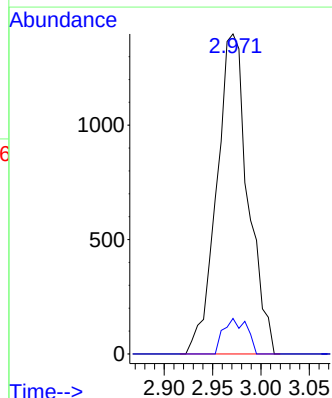
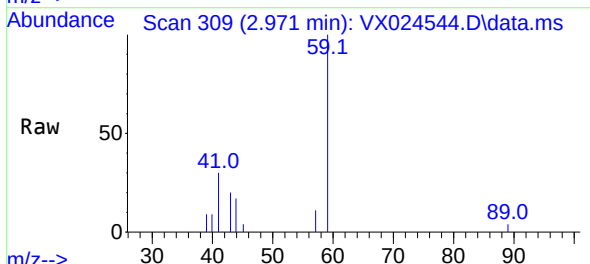
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

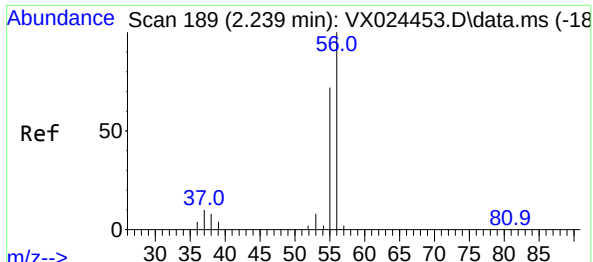
Tgt Ion: 64 Resp: 496
Ion Ratio Lower Upper
64 100
66 14.6 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 59 Resp: 3158
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.8

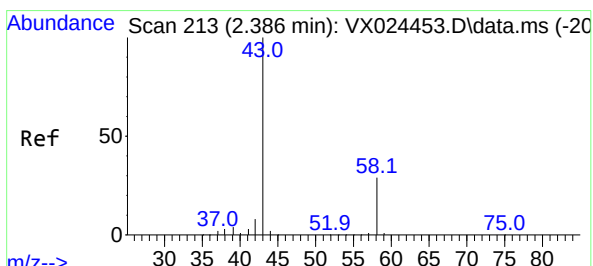
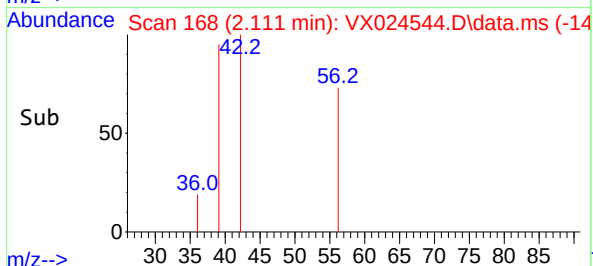
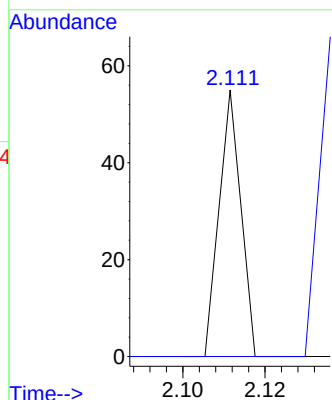
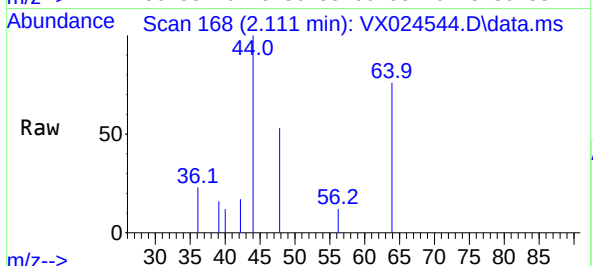




#13
Acrolein
Concen: 10.236 ug/l
RT: 2.111 min Scan# 168
Delta R.T. -0.128 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

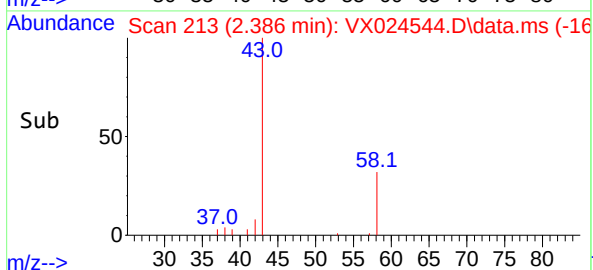
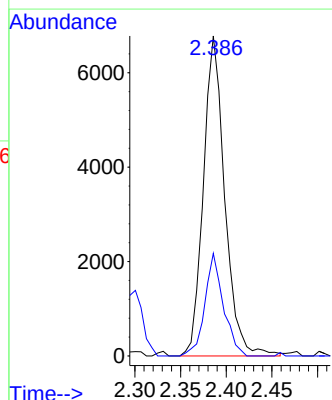
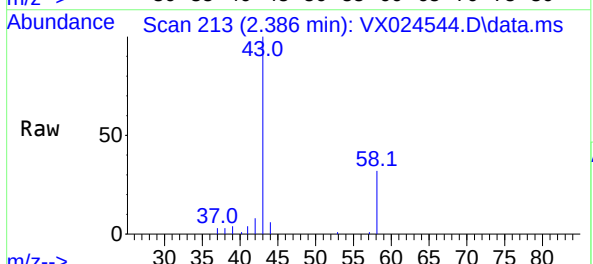
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

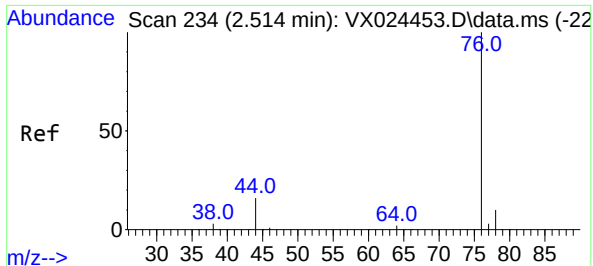
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 3.178 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 43 Resp: 11052
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8

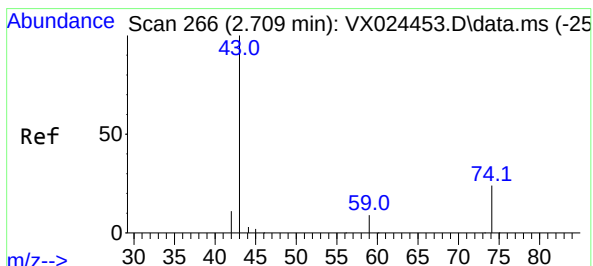
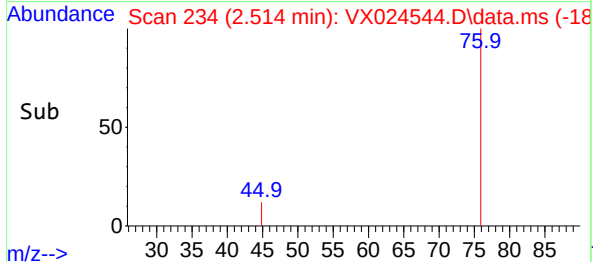
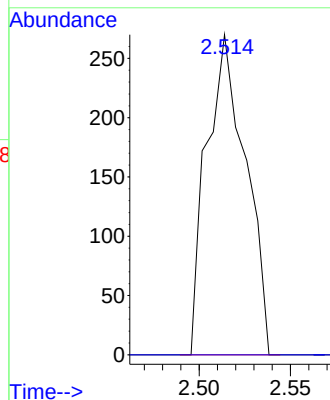
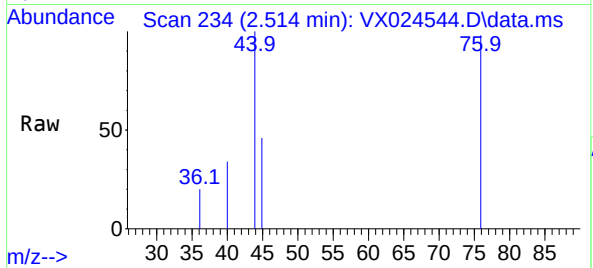




#17
Carbon Disulfide
Concen: 0.348 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

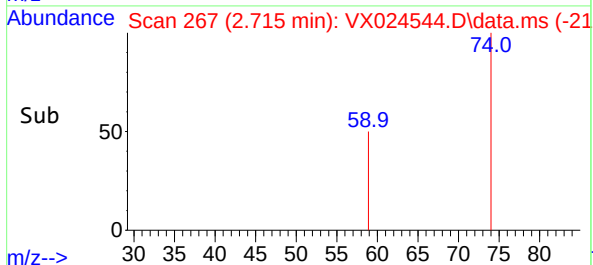
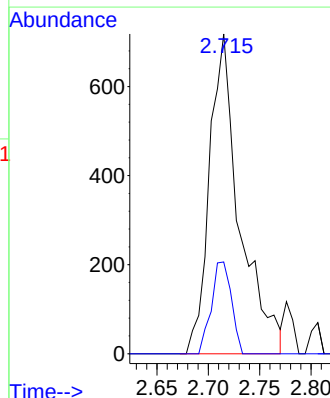
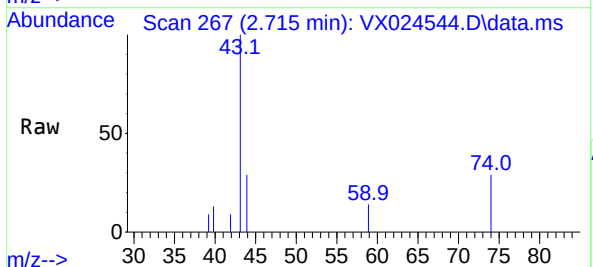
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

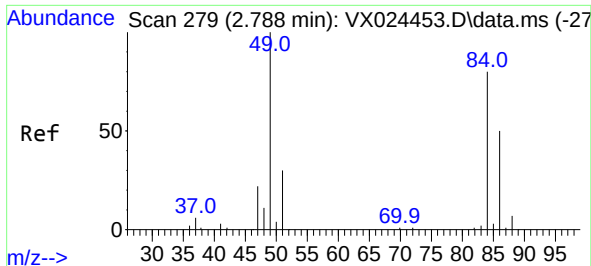
Tgt Ion: 76 Resp: 402
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
74 19.0 21.9 32.9#





#20

Methylene Chloride

Concen: 5.354 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

Instrument :

MSVOA_X

ClientSampleId :

PB139556ZHE#01

Tgt Ion: 84 Resp: 9473

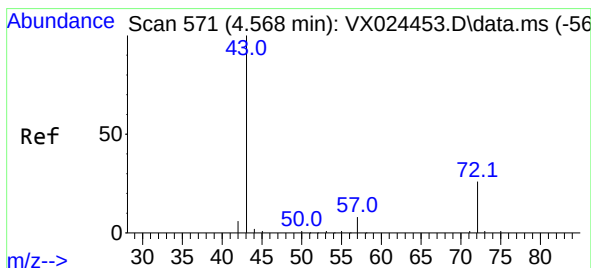
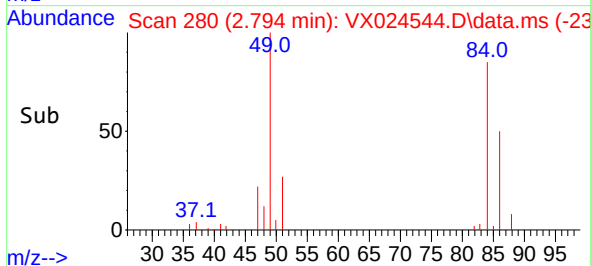
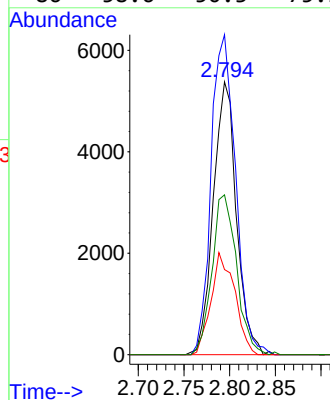
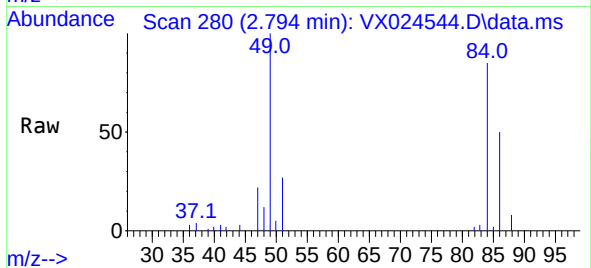
Ion Ratio Lower Upper

84 100

49 117.3 88.6 132.8

51 31.2 27.0 40.6

86 58.6 50.3 75.5



#25

2-Butanone

Concen: 10.388 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX024544.D

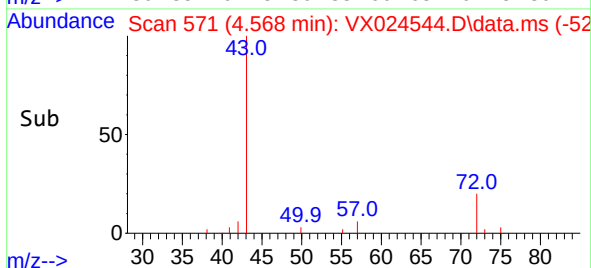
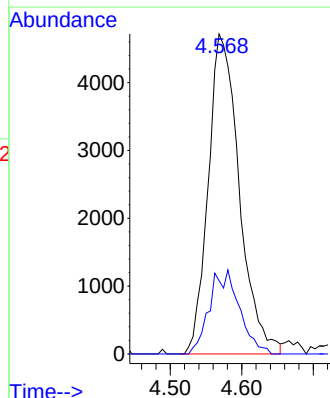
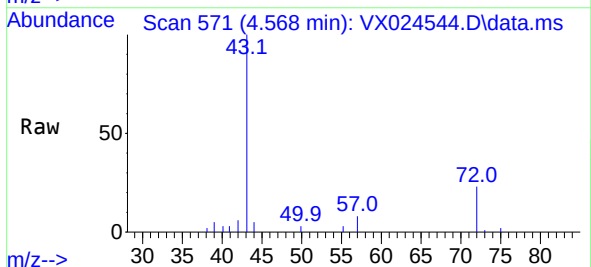
Acq: 05 Oct 2021 01:45

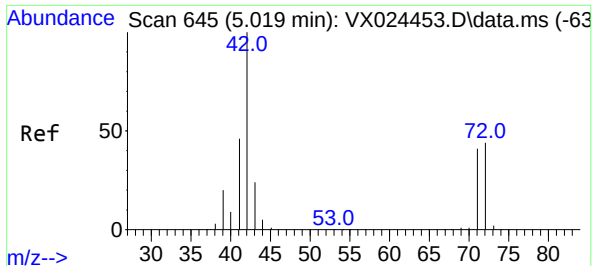
Tgt Ion: 43 Resp: 14207

Ion Ratio Lower Upper

43 100

72 22.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.148 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

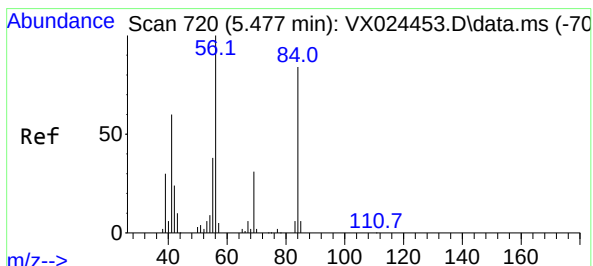
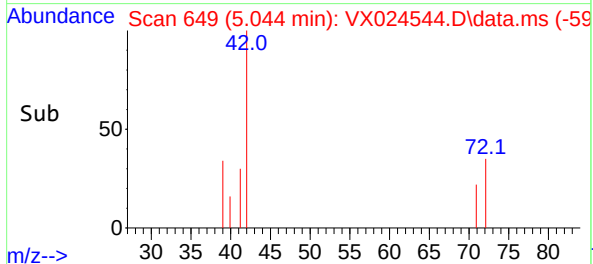
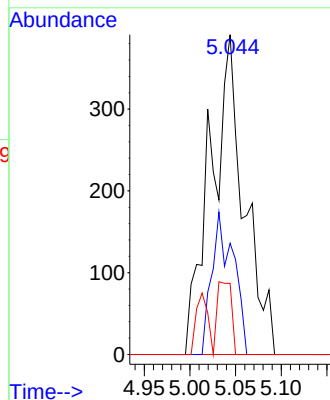
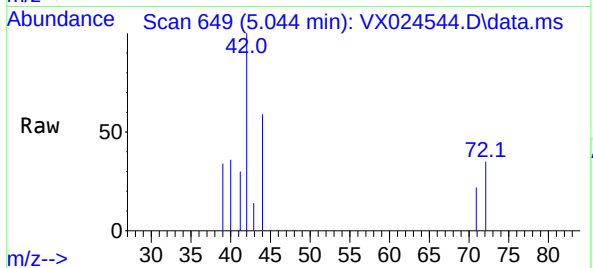
Instrument :

MSVOA_X

ClientSampleId :

PB139556ZHE#01

Tgt Ion:	42	Resp:	1000
Ion	Ratio	Lower	Upper
42	100		
72	28.6	41.7	62.5#
71	9.6	38.4	57.6#



#31

Cyclohexane

Concen: 1.249 ug/l

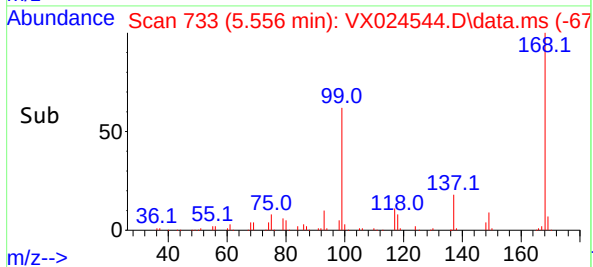
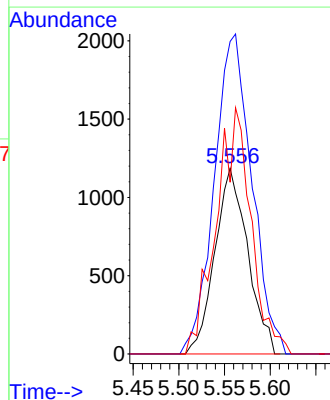
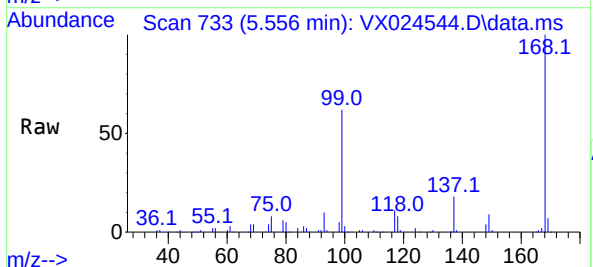
RT: 5.556 min Scan# 733

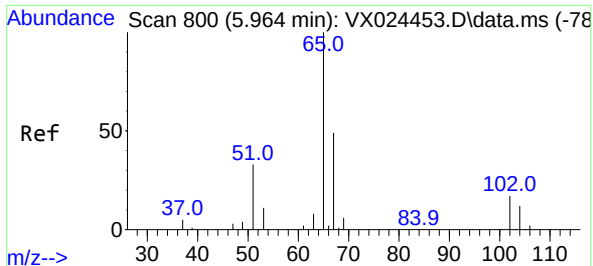
Delta R.T. 0.079 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

Tgt Ion:	56	Resp:	2970
Ion	Ratio	Lower	Upper
56	100		
69	168.3	25.3	37.9#
84	92.5	71.4	107.0



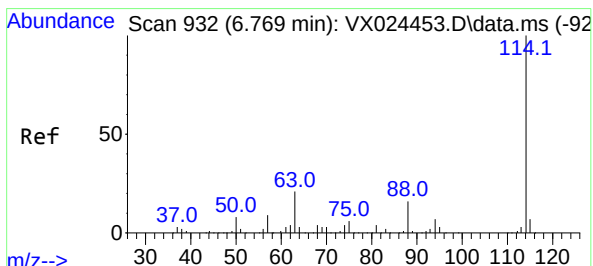
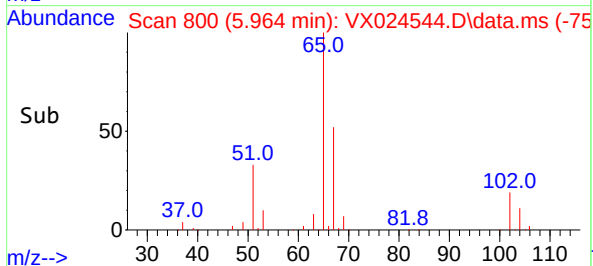
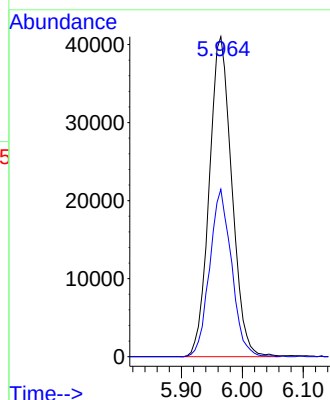
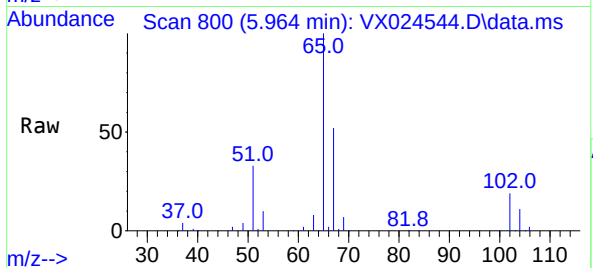


#33

1,2-Dichloroethane-d4
Concen: 53.178 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

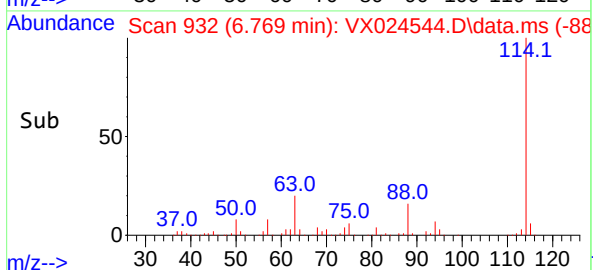
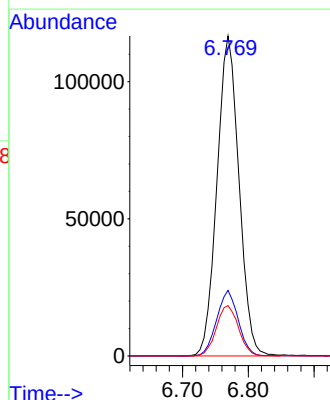
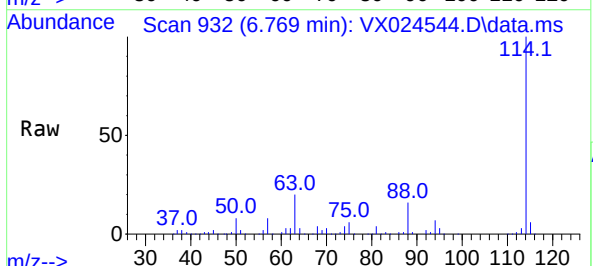
Tgt Ion: 65 Resp: 105603
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

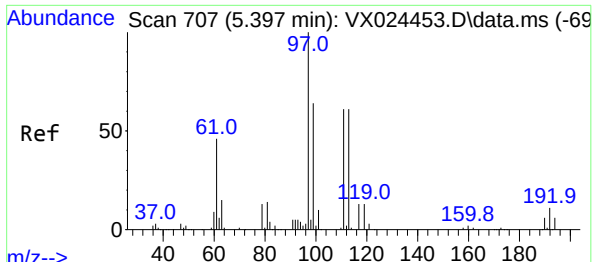


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 114 Resp: 271595
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.821 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

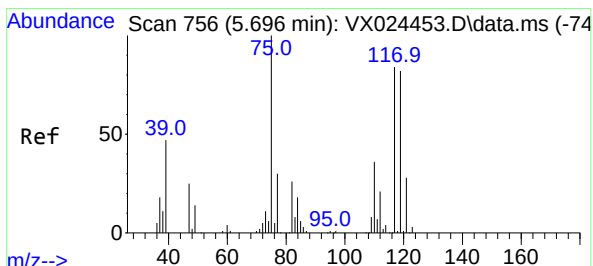
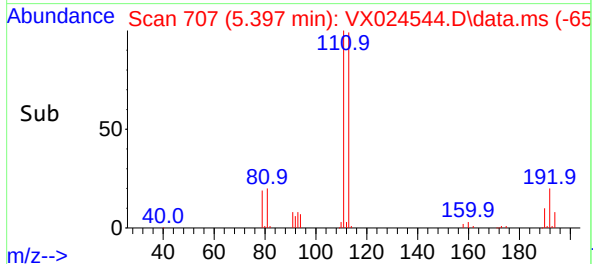
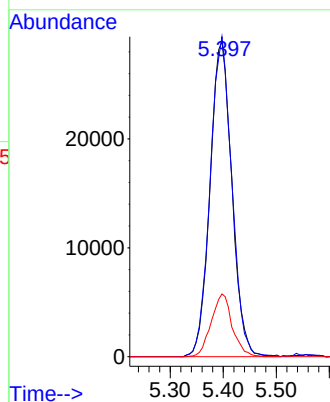
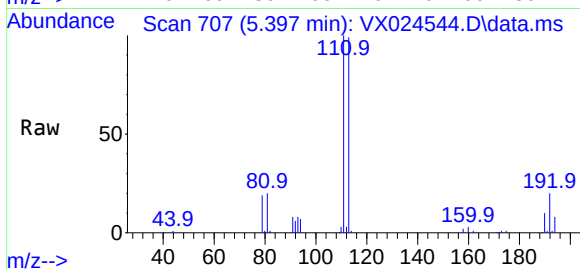
Tgt Ion:113 Resp: 82674

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

192 19.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.155 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

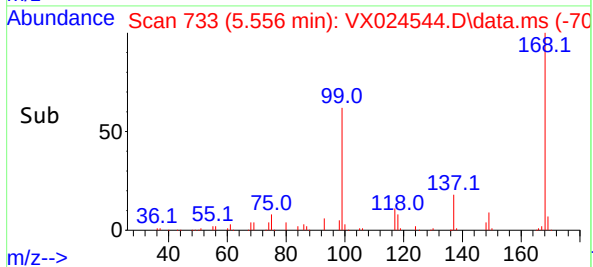
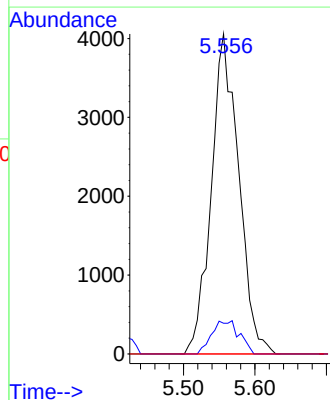
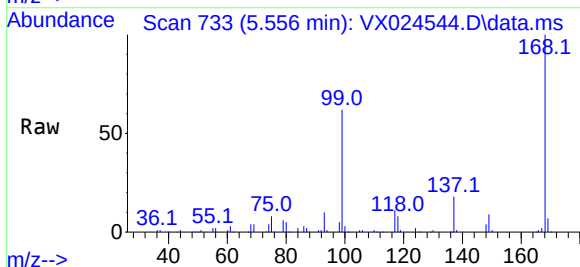
Tgt Ion: 75 Resp: 10819

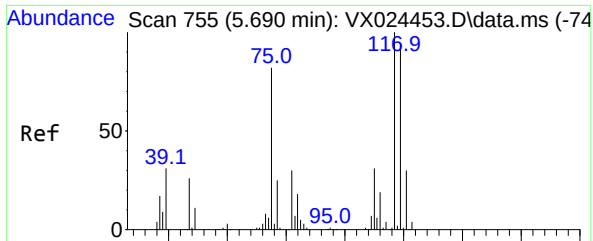
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

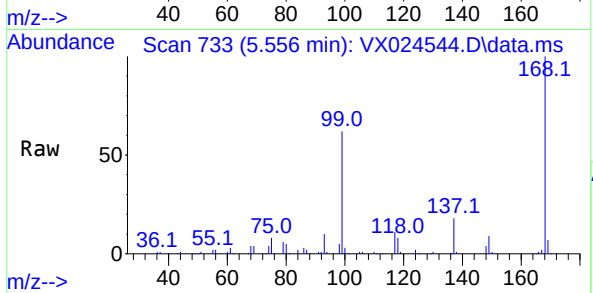
77 0.0 25.3 37.9#



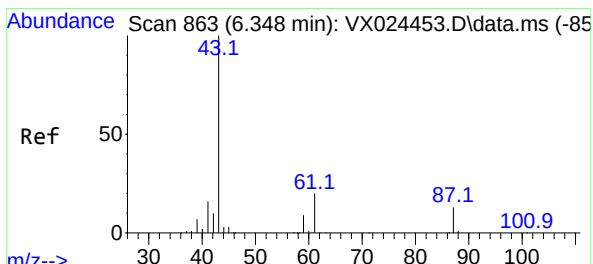
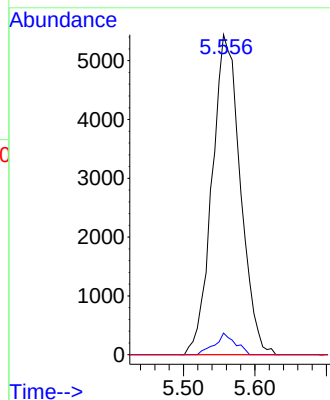
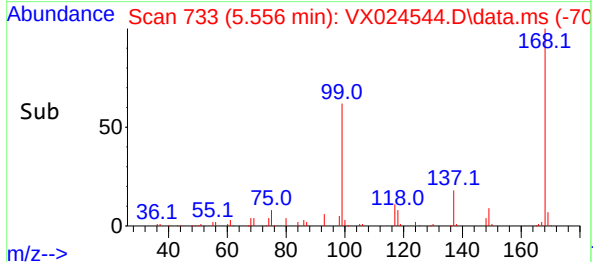


#38
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

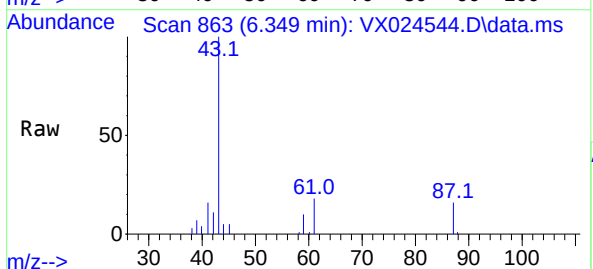
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01



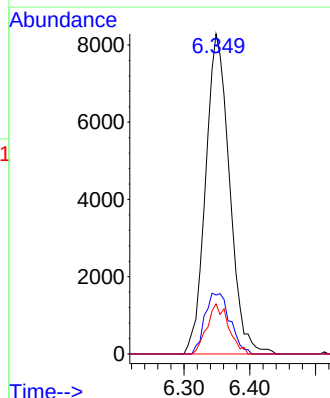
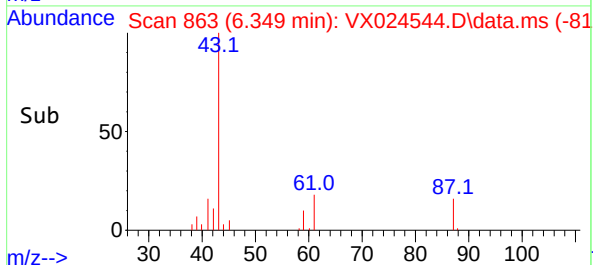
Tgt Ion:117 Resp: 14932
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

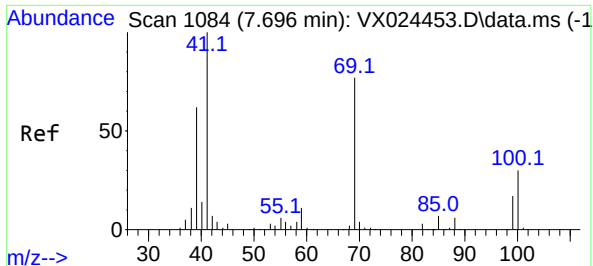


#43
Isopropyl Acetate
Concen: 4.240 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45



Tgt Ion: 43 Resp: 20953
Ion Ratio Lower Upper
43 100
61 19.9 18.2 27.4
87 14.1 12.5 18.7



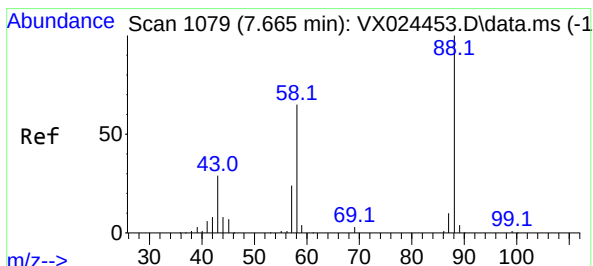
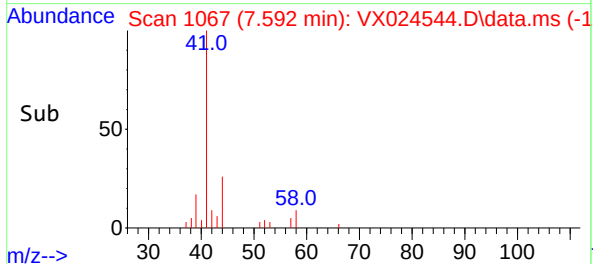
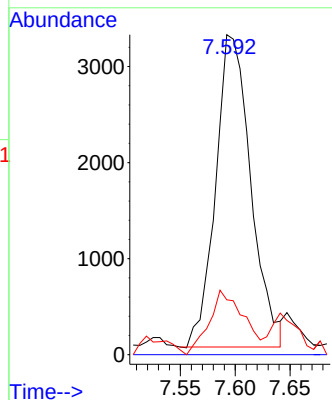
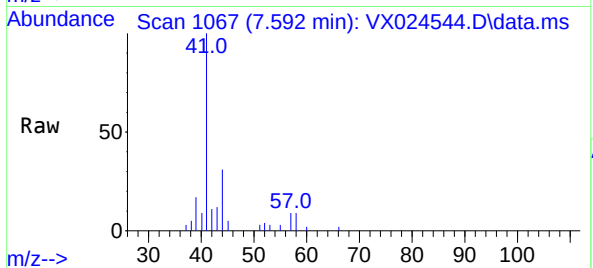


#48

Methyl methacrylate
Concen: 2.964 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.104 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

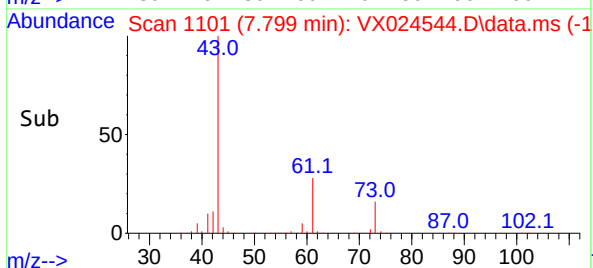
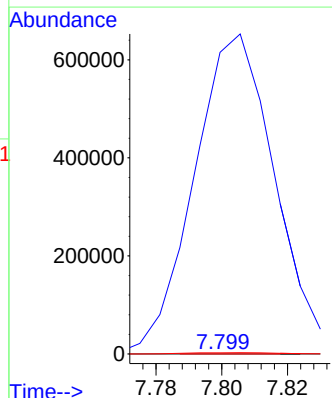
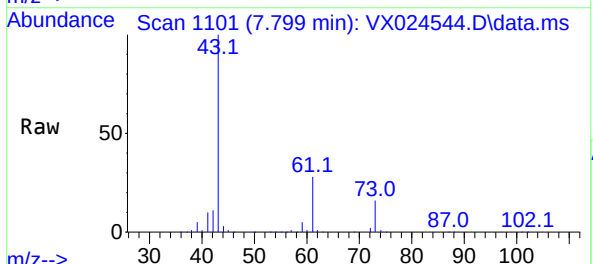
Tgt Ion: 41 Resp: 7254
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

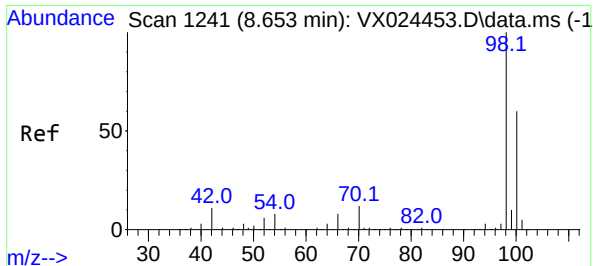


#49

1,4-Dioxane
Concen: 1.124 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1783044.4 23.2 34.8#
58 8158.7 55.0 82.4#

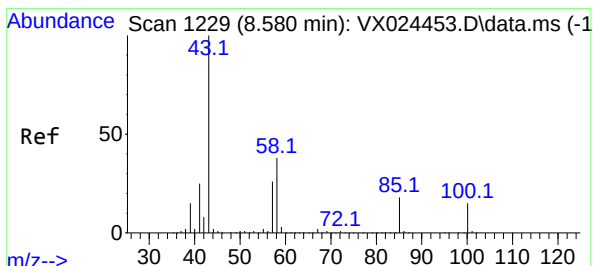
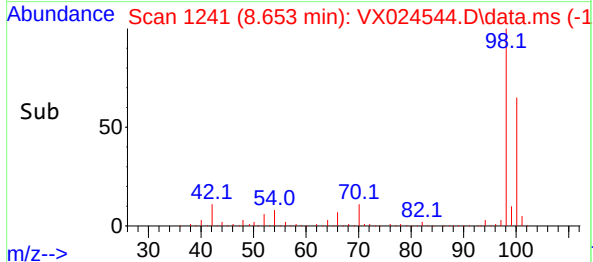
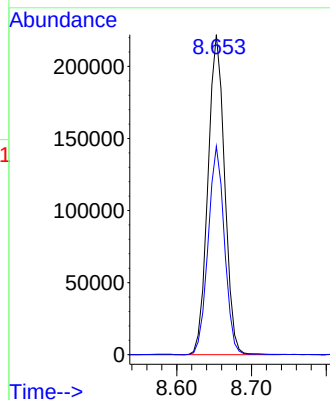
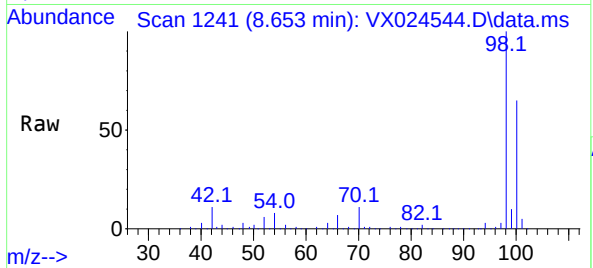




#50
Toluene-d8
Concen: 51.792 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

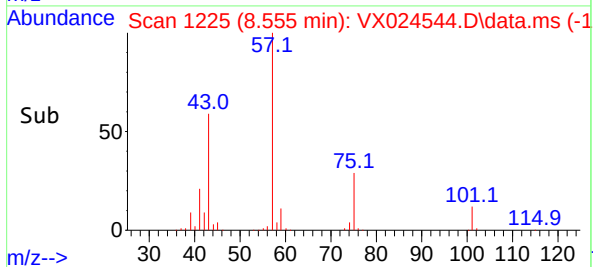
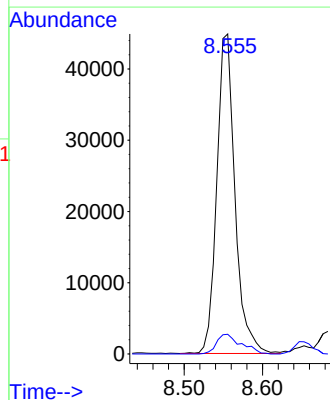
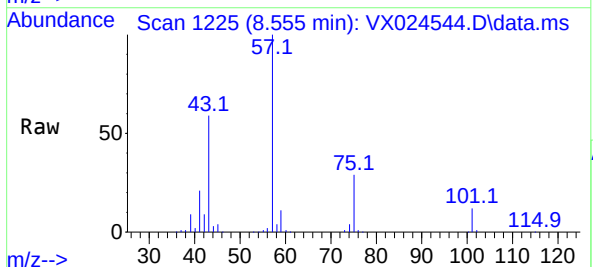
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

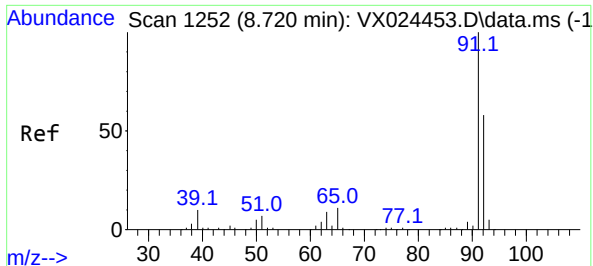
Tgt Ion: 98 Resp: 343937
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 22.245 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 43 Resp: 72577
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#





#52

Toluene

Concen: 0.213 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX024544.D

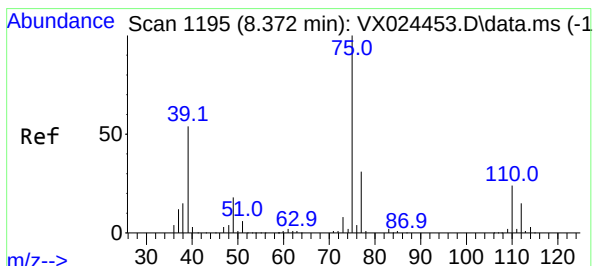
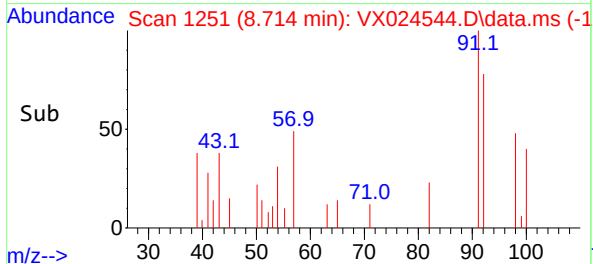
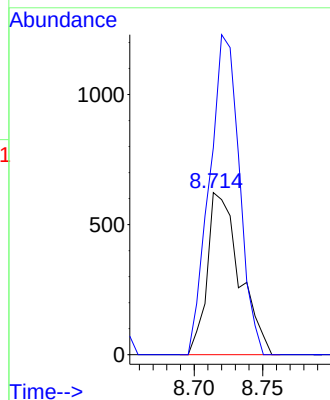
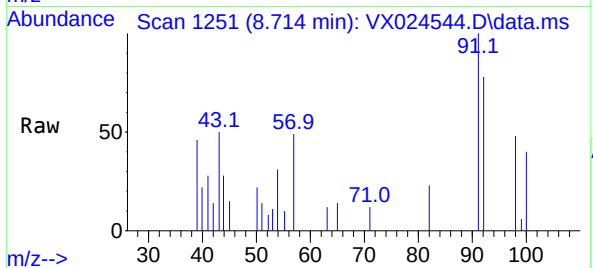
Acq: 05 Oct 2021 01:45

Tgt Ion: 92 Resp: 1022

Ion Ratio Lower Upper

92 100

91 182.4 137.1 205.7



#54

cis-1,3-Dichloropropene

Concen: 10.885 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

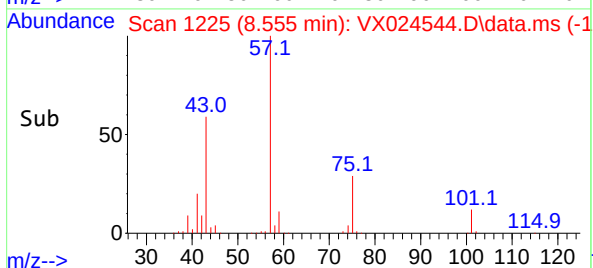
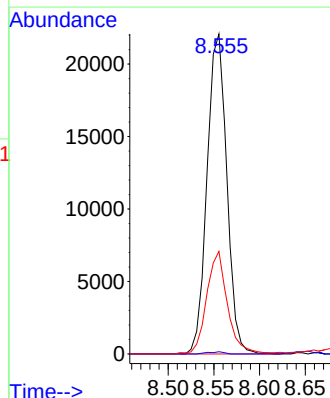
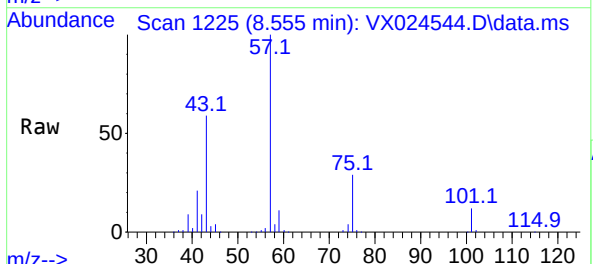
Tgt Ion: 75 Resp: 33113

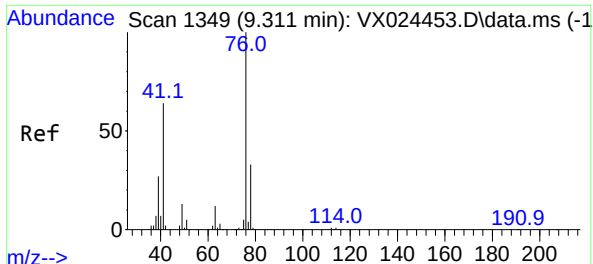
Ion Ratio Lower Upper

75 100

77 0.7 25.7 38.5#

39 31.7 35.1 52.7#

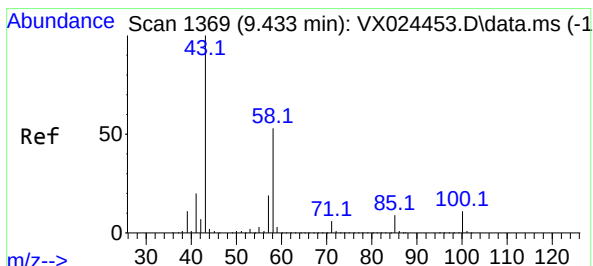
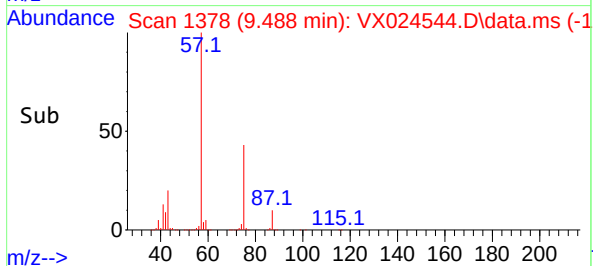
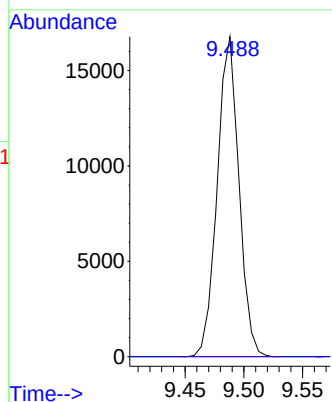
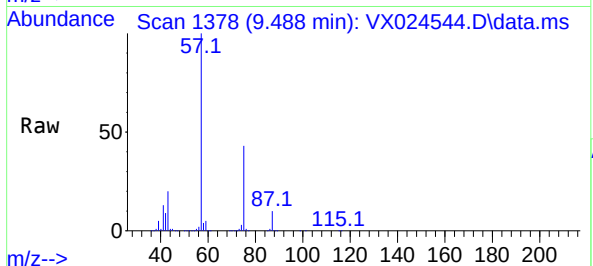




#57
1,3-Dichloropropane
Concen: 6.430 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

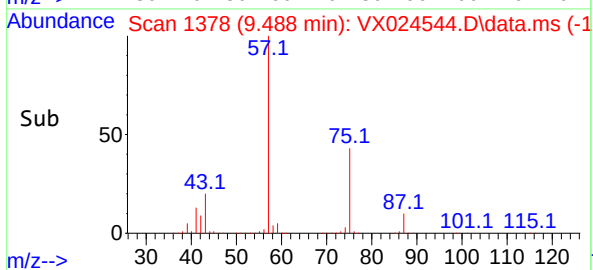
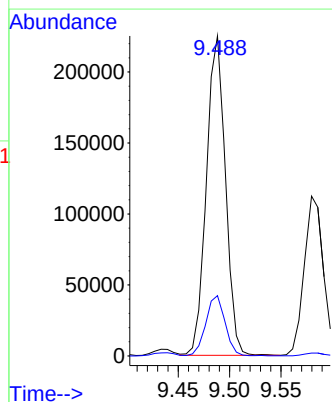
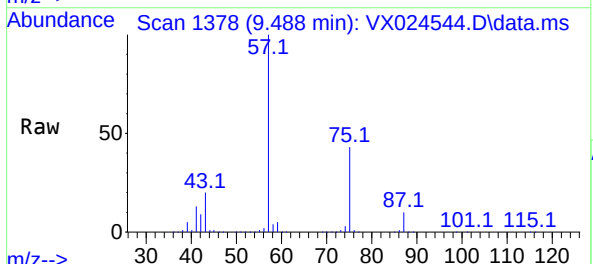
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

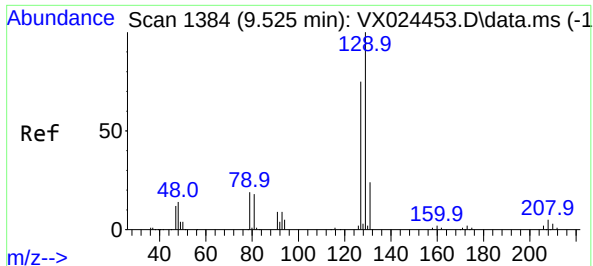
Tgt Ion: 76 Resp: 21574
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 112.714 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 43 Resp: 289601
Ion Ratio Lower Upper
43 100
58 19.3 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.222 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX024544.D

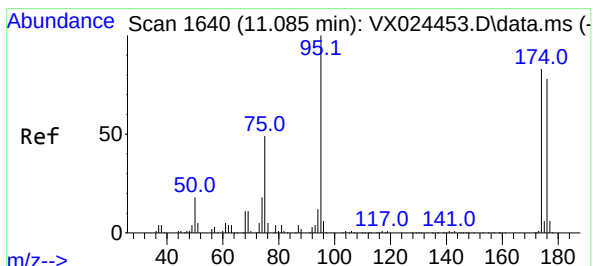
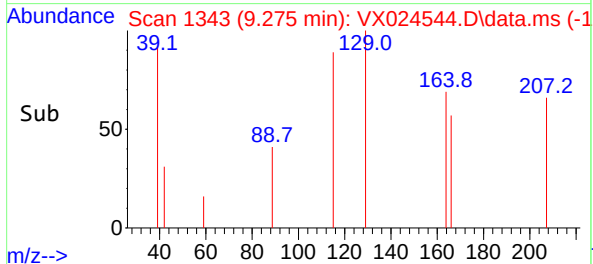
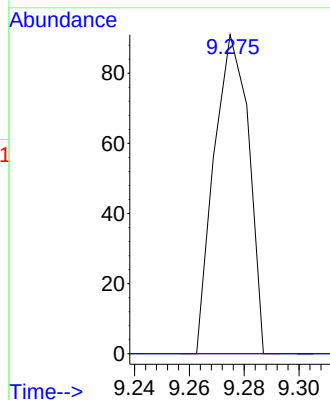
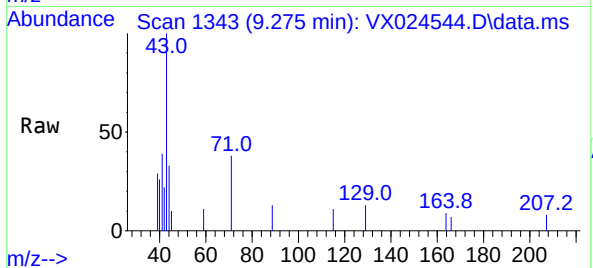
Acq: 05 Oct 2021 01:45

Tgt Ion:129 Resp: 80

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.469 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024544.D

Acq: 05 Oct 2021 01:45

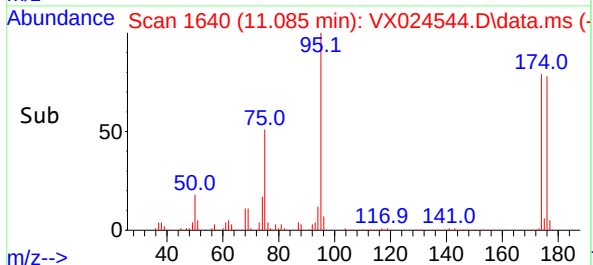
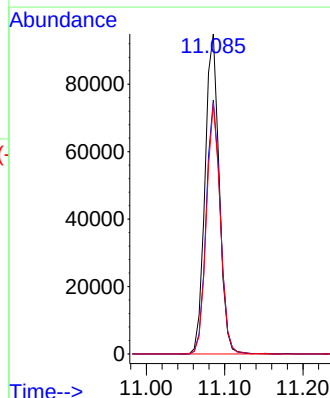
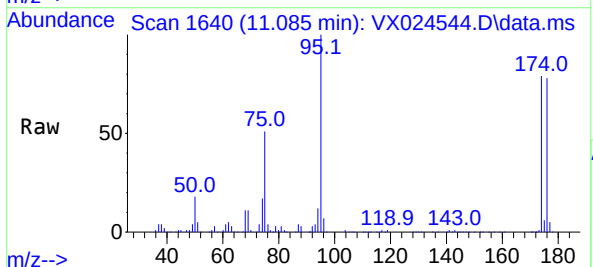
Tgt Ion: 95 Resp: 118719

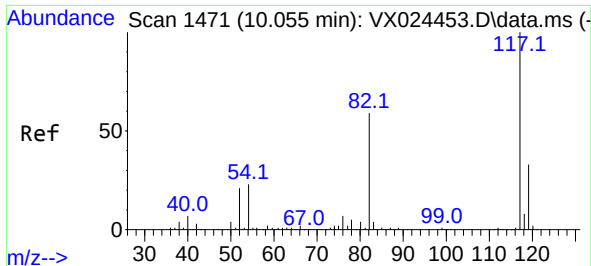
Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.6

176 76.6 0.0 155.8

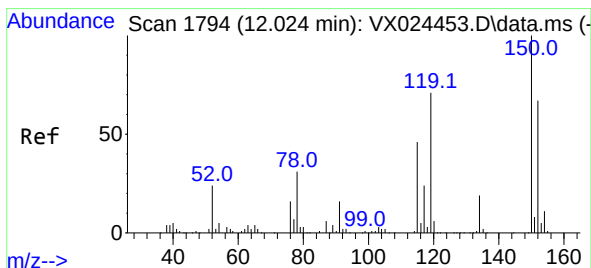
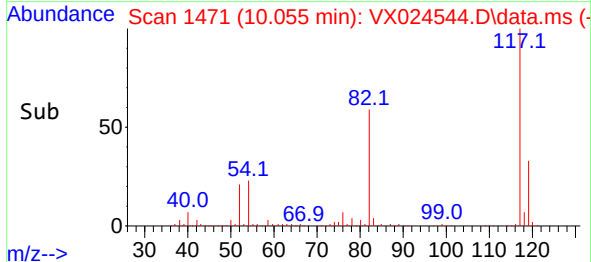
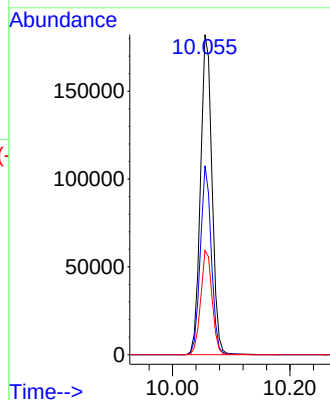
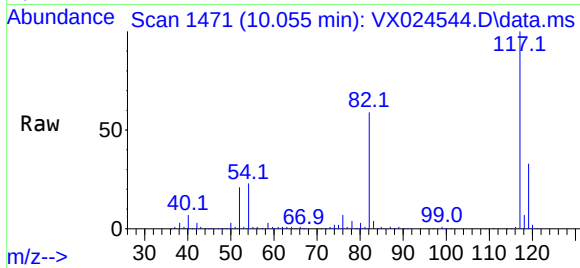




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

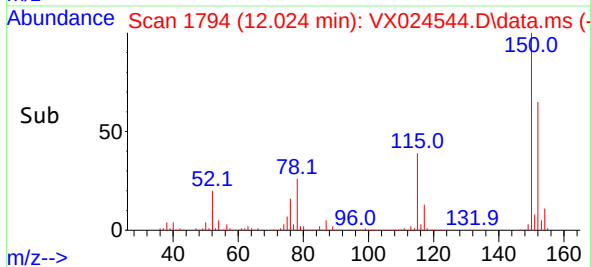
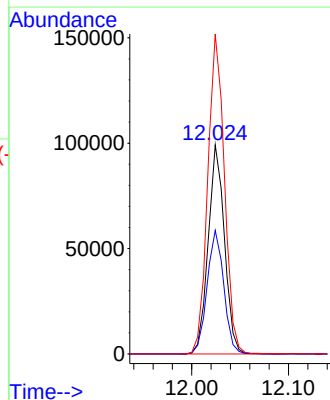
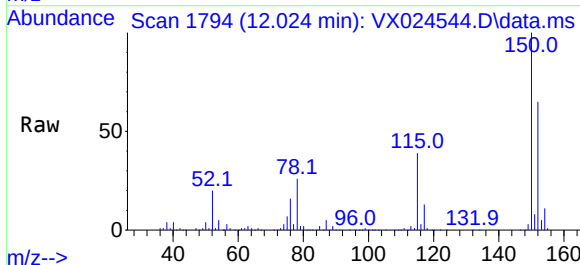
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

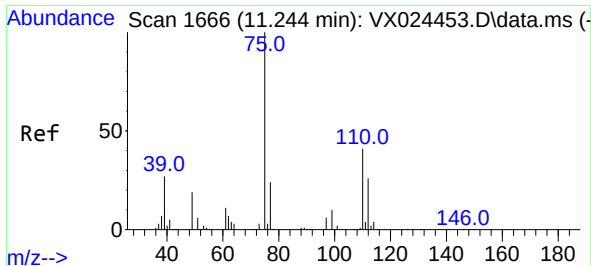
Tgt Ion:117 Resp: 247755
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion:152 Resp: 116322
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 156.6 0.0 349.0

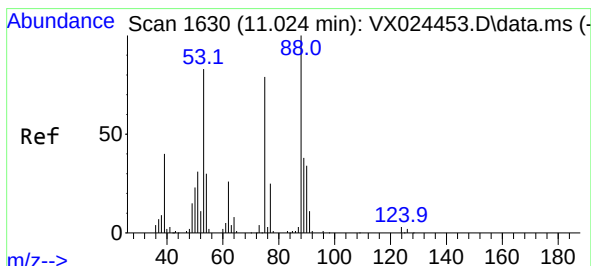
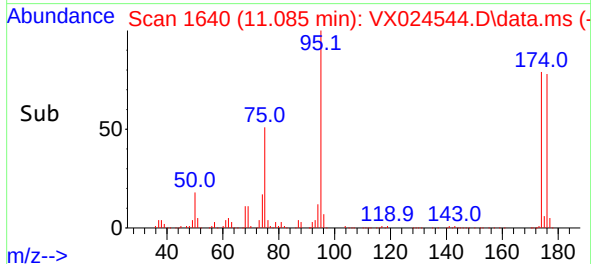
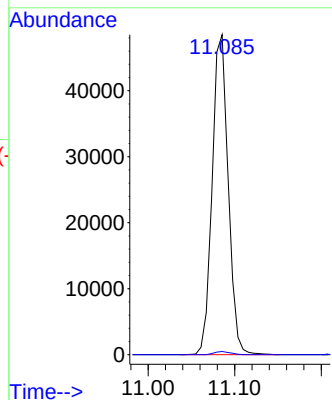
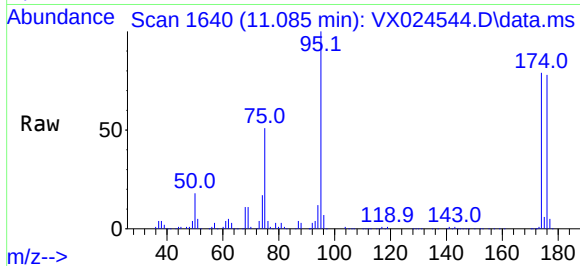




#76
1,2,3-Trichloropropane
Concen: 23.582 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#01

Tgt Ion: 75 Resp: 62294
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.417 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024544.D
Acq: 05 Oct 2021 01:45

Tgt Ion: 75 Resp: 62294
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

