

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025556.D
 Acq On : 06 Dec 2021 18:04
 Operator : JC/MD
 Sample : PB141182ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141182ZHE#06

Quant Time: Dec 07 06:03:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

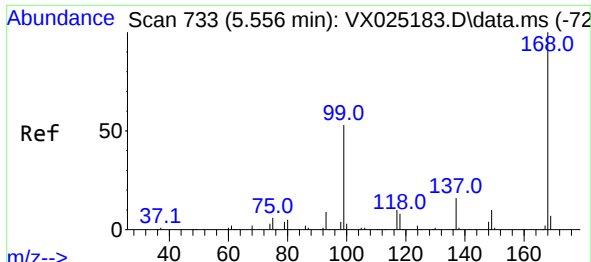
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	95854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	157539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55995	55.421	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.840%	
35) Dibromofluoromethane	5.391	113	48946	50.637	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.280%	
50) Toluene-d8	8.653	98	184842	50.860	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	11.085	95	64133	46.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	327	0.673	ug/l #	73
8) Diethyl Ether	2.136	74	249	0.360	ug/l #	23
10) Methyl Iodide	2.471	142	285	0.256	ug/l #	66
11) Tert butyl alcohol	2.946	59	1164	Below Cal	#	72
16) Acetone	2.385	43	9385	16.717	ug/l	94
18) Methyl Acetate	2.715	43	542	0.302	ug/l #	76
20) Methylene Chloride	2.794	84	2325	2.203	ug/l	93
25) 2-Butanone	4.574	43	1617	1.992	ug/l	94
29) Tetrahydrofuran	5.025	42	238	0.474	ug/l #	49
31) Cyclohexane	5.562	56	1863	1.193	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	6607	4.807	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9286	6.134	ug/l #	16
43) Isopropyl Acetate	6.348	43	8808	3.384	ug/l	98
44) Trichloroethene	7.135	130	728	0.602	ug/l	93
48) Methyl methacrylate	7.805	41	48329	39.568	ug/l #	44
49) 1,4-Dioxane	7.799	88	21	0.814	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	32156	19.705	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	15520	8.825	ug/l #	62
57) 1,3-Dichloropropane	9.488	76	9697	5.415	ug/l #	42
59) 2-Hexanone	9.488	43	125562	97.596	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	31284	24.362	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1886	0.502	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	31284	61.373	ug/l #	9
95) Naphthalene	13.786	128	209	Below Cal	#	69

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

Quant Time: Dec 07 06:03:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

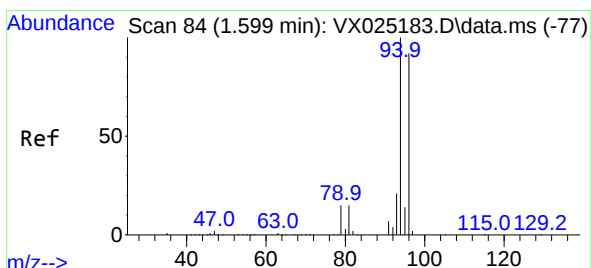
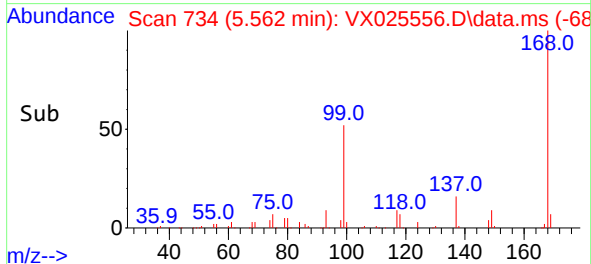
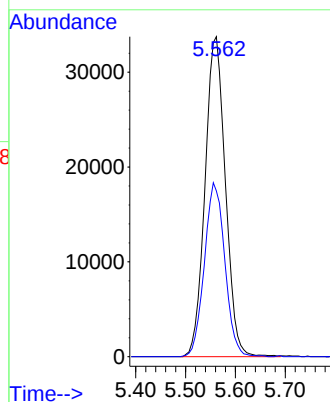
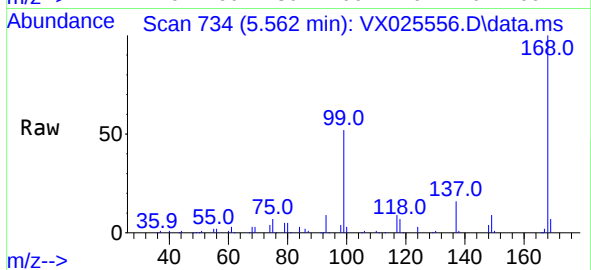




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

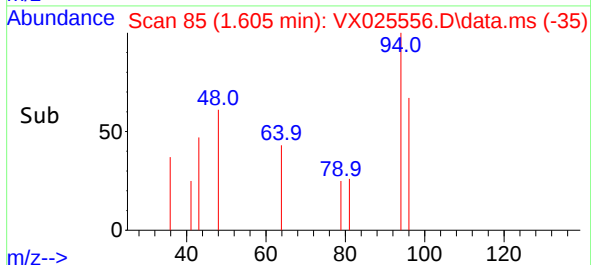
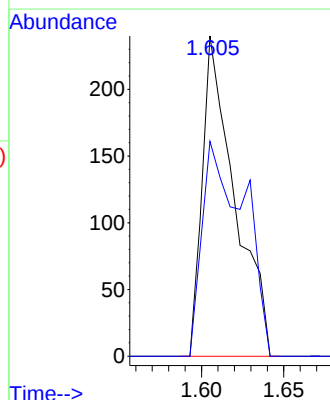
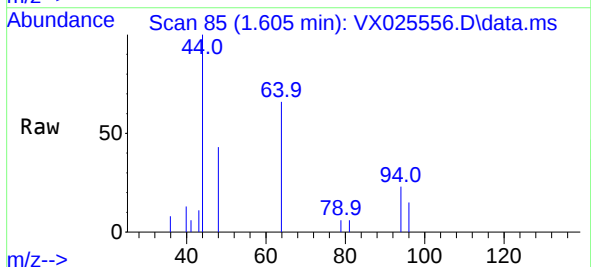
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

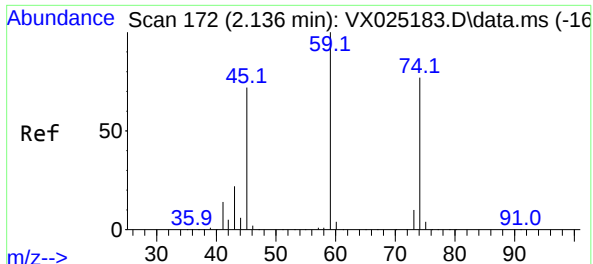
Tgt Ion:168 Resp: 95854
Ion Ratio Lower Upper
168 100
99 51.8 46.4 69.6



#5
Bromomethane
Concen: 0.673 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 67.1 74.8 112.2#

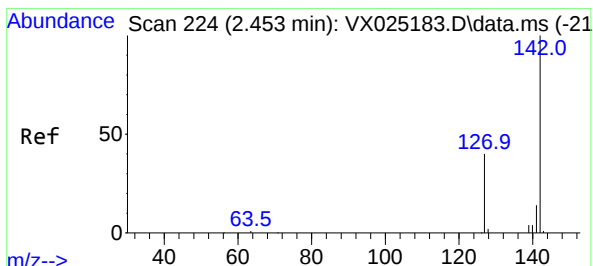
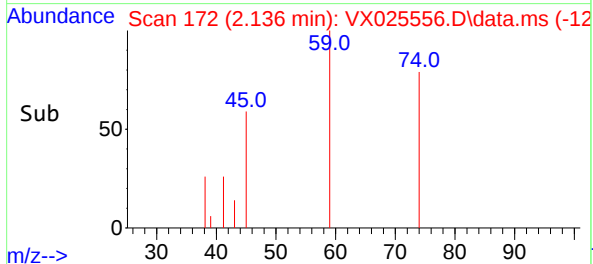
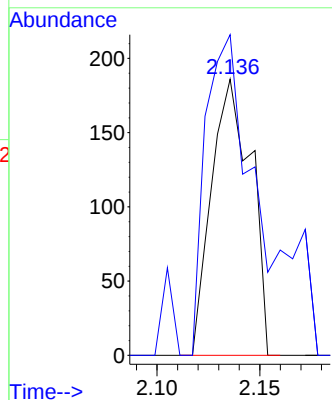
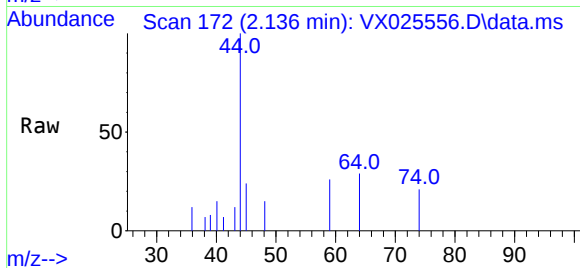




#8
Diethyl Ether
Concen: 0.360 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

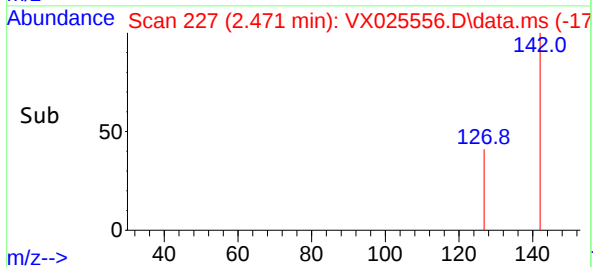
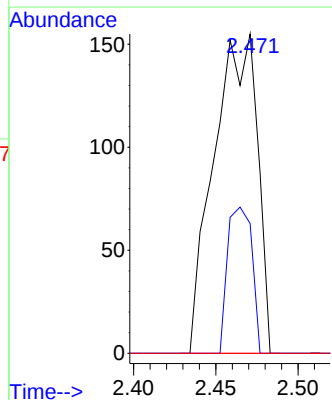
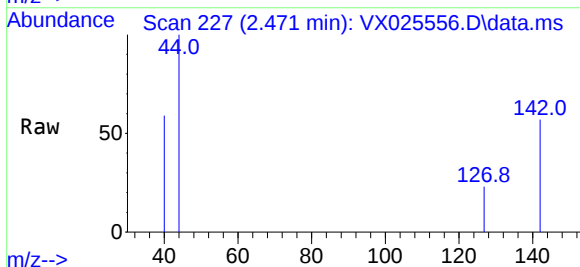
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

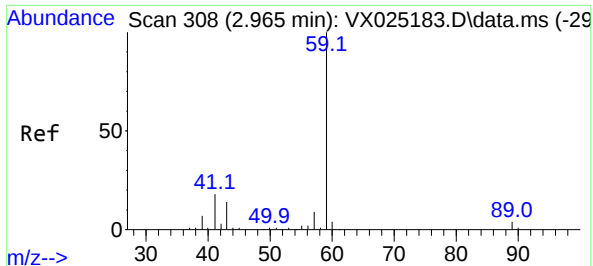
Tgt Ion: 74 Resp: 249
Ion Ratio Lower Upper
74 100
45 170.3 47.6 142.9#



#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 142 Resp: 285
Ion Ratio Lower Upper
142 100
127 25.6 38.9 58.3#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 30

Delta R.T. -0.019 min

Lab File: VX025556.D

Acq: 06 Dec 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

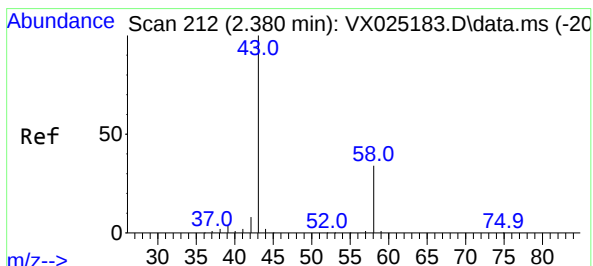
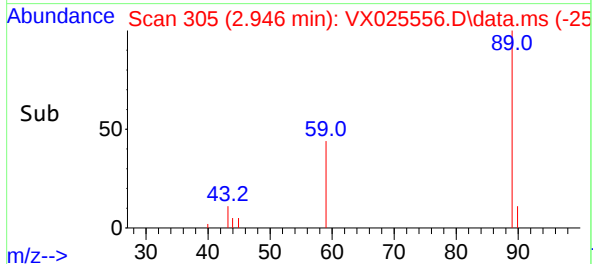
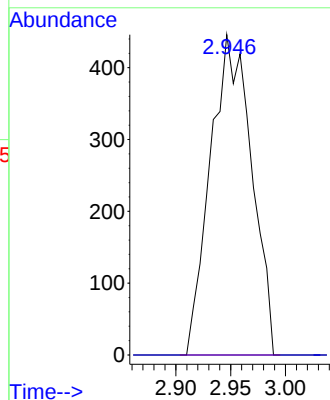
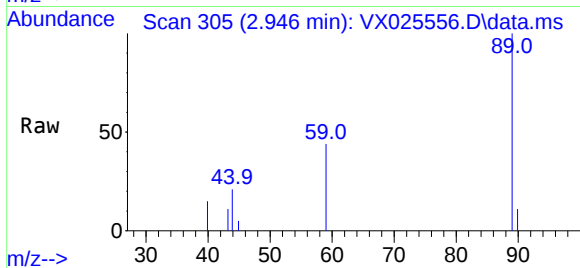
PB141182ZHE#06

Tgt Ion: 59 Resp: 1164

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 16.717 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.005 min

Lab File: VX025556.D

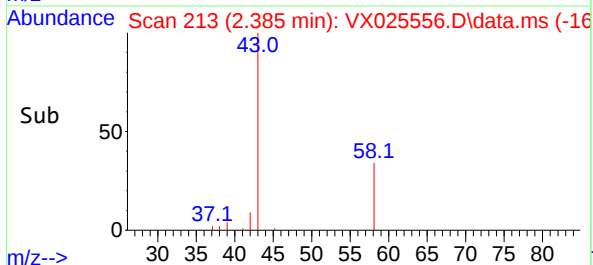
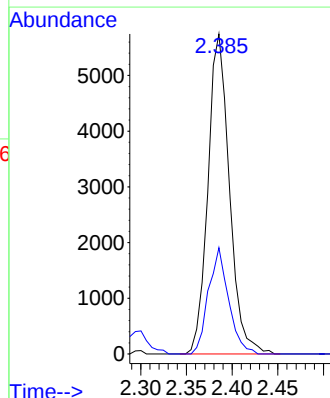
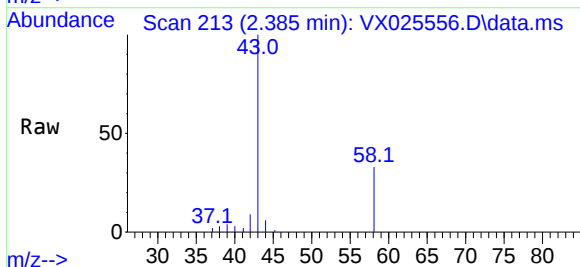
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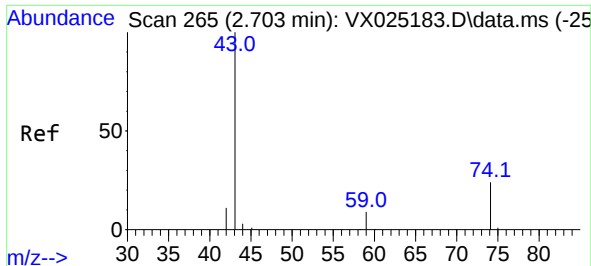
Tgt Ion: 43 Resp: 9385

Ion Ratio Lower Upper

43 100

58 33.2 24.0 36.0

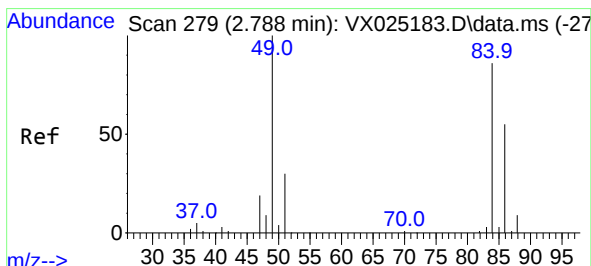
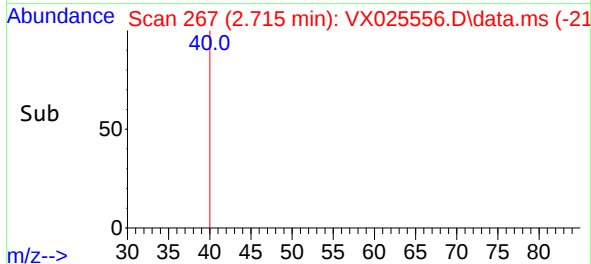
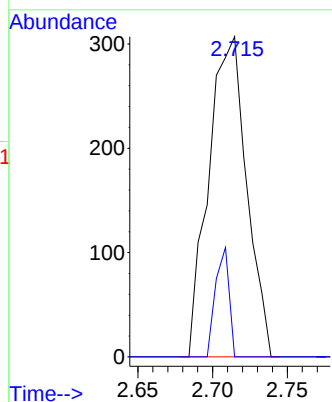
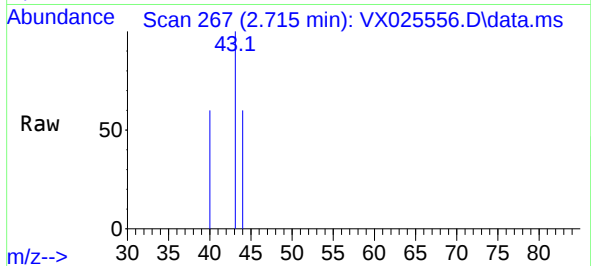




#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

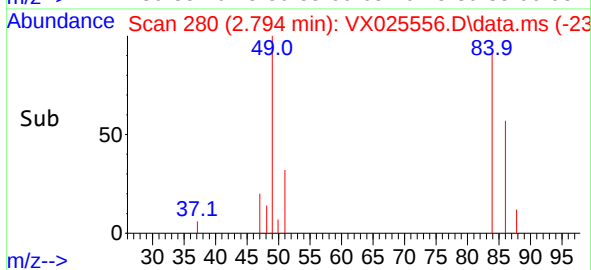
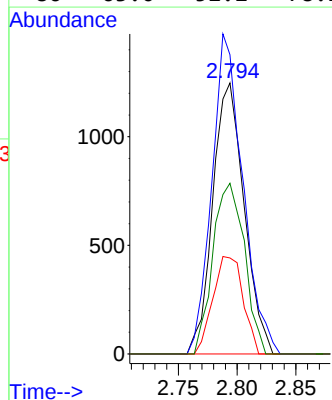
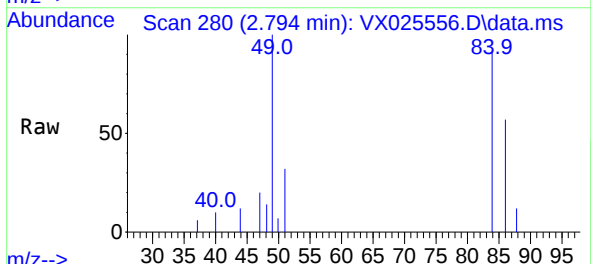
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

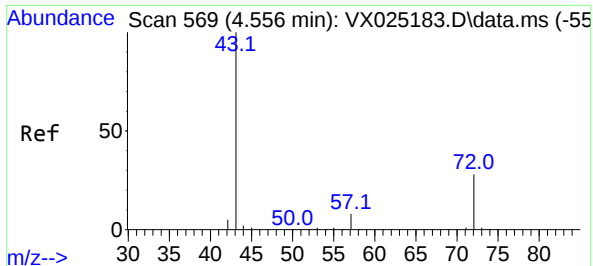
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
74 12.2 19.0 28.6#



#20
Methylene Chloride
Concen: 2.203 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 84 Resp: 2325
Ion Ratio Lower Upper
84 100
49 110.3 98.2 147.2
51 35.4 30.2 45.4
86 63.0 52.2 78.2





#25

2-Butanone

Concen: 1.992 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX025556.D

Acq: 06 Dec 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

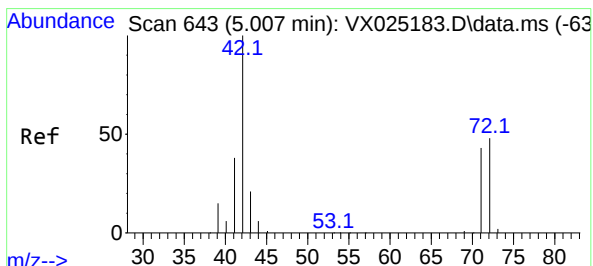
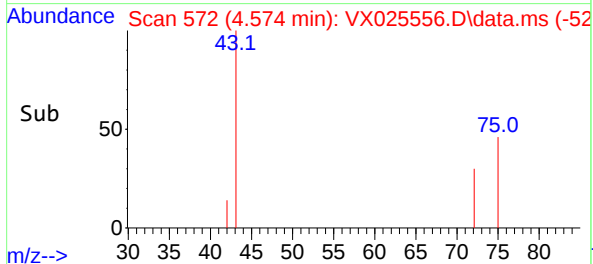
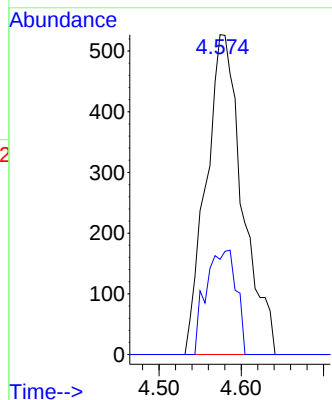
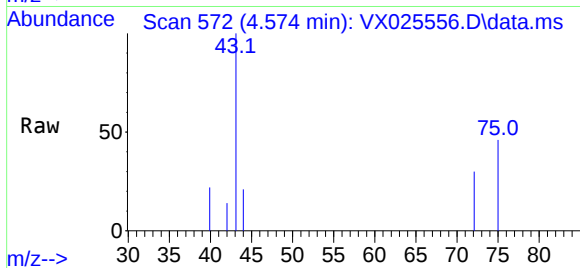
PB141182ZHE#06

Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

72 29.8 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.474 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX025556.D

Acq: 06 Dec 2021 18:04

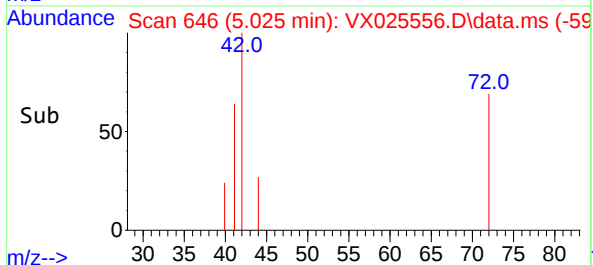
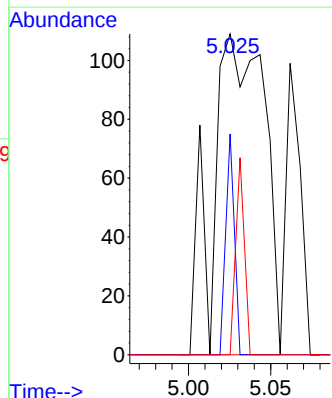
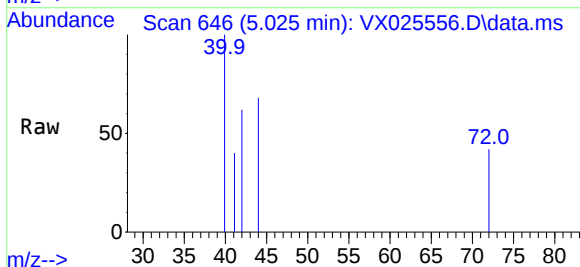
Tgt Ion: 42 Resp: 238

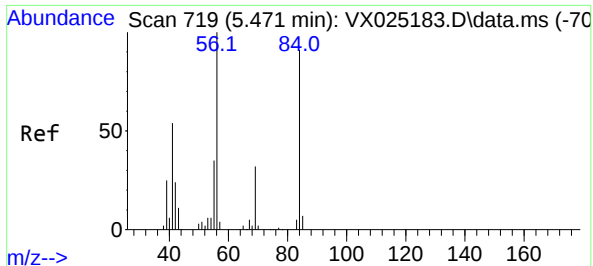
Ion Ratio Lower Upper

42 100

72 11.3 36.1 54.1#

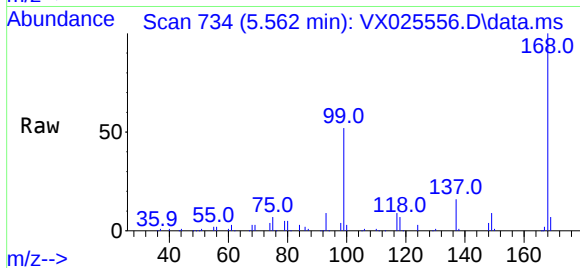
71 10.5 33.7 50.5#



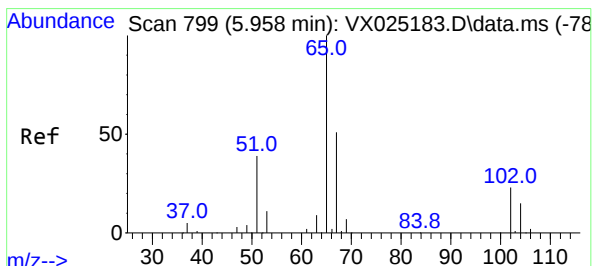
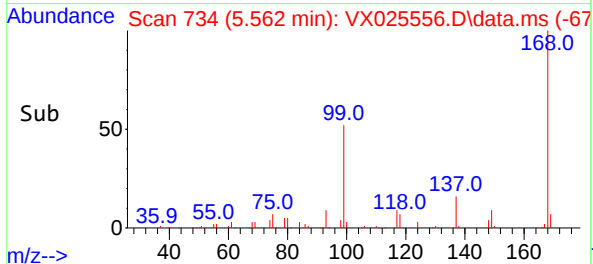
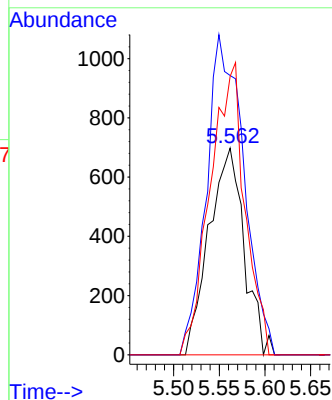


#31
Cyclohexane
Concen: 1.193 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

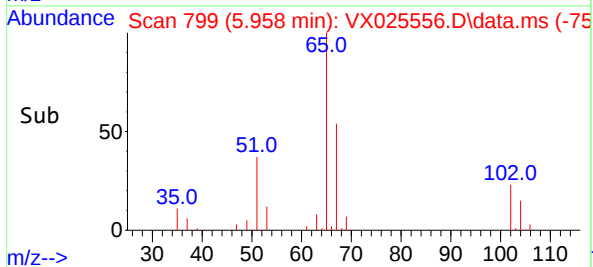
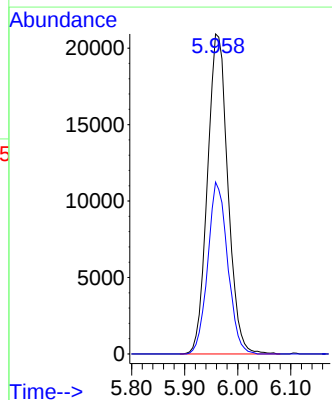
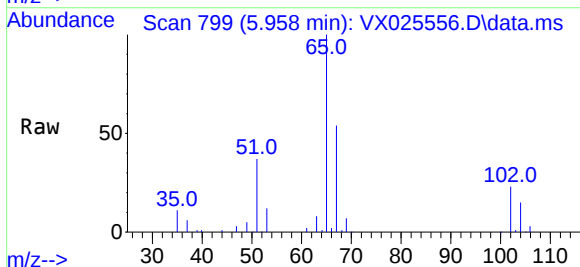


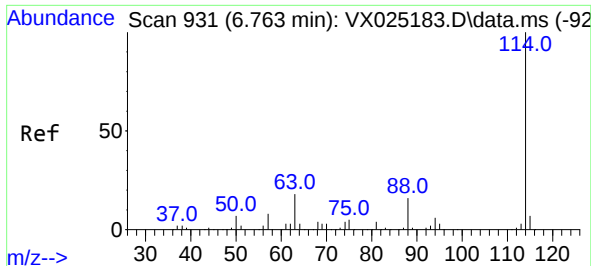
Tgt Ion: 56 Resp: 1863
Ion Ratio Lower Upper
56 100
69 135.1 24.2 36.2#
84 134.7 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 55.421 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 65 Resp: 55995
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.0

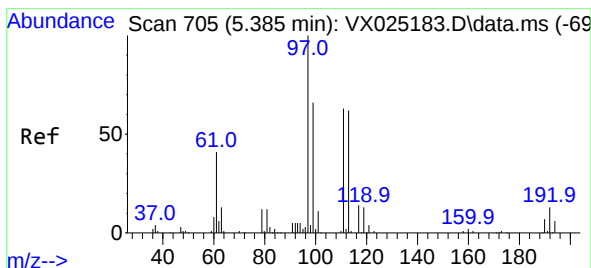
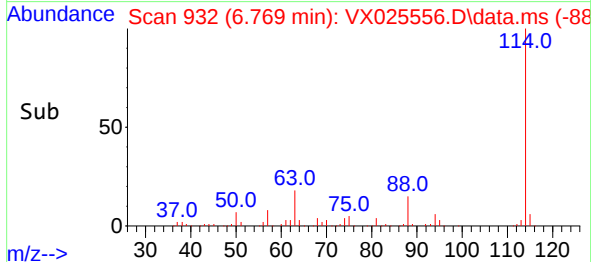
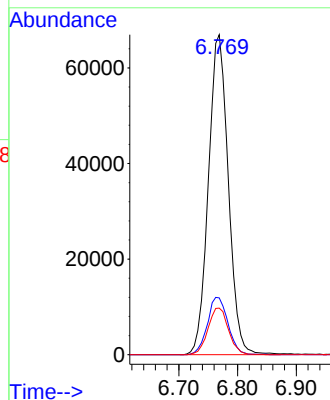
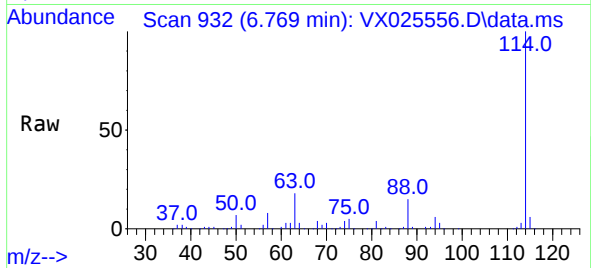




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

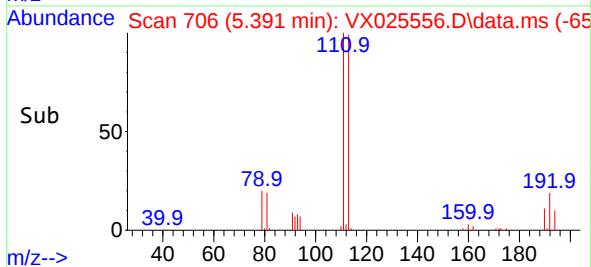
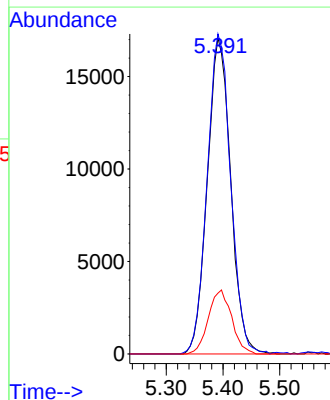
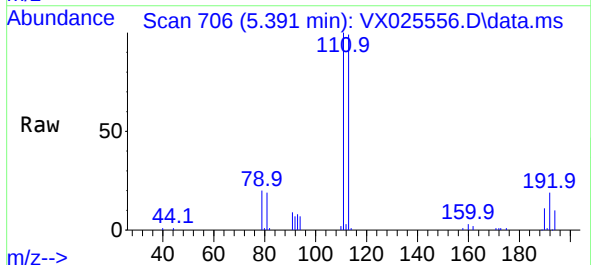
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

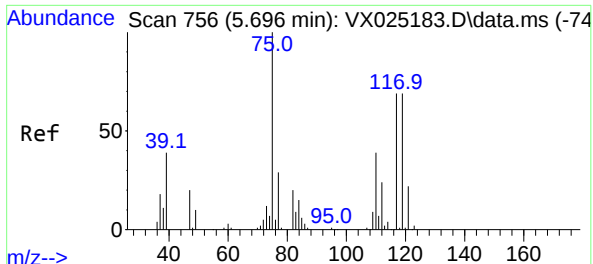
Tgt Ion:114 Resp: 157539
Ion Ratio Lower Upper
114 100
63 17.7 0.0 41.0
88 14.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.637 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion:113 Resp: 48946
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 20.2 15.6 23.4

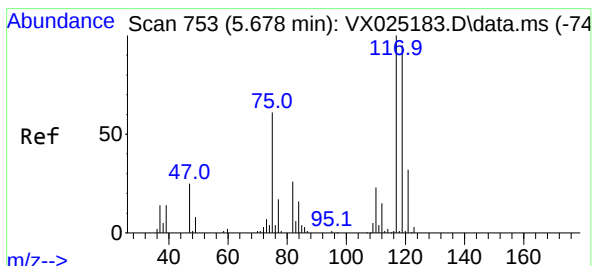
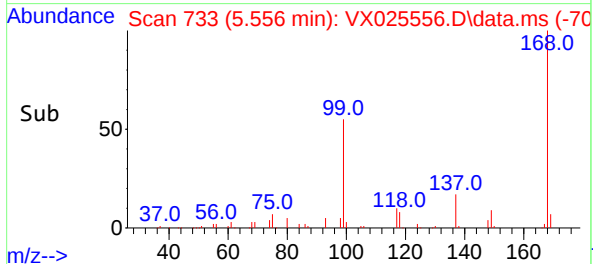
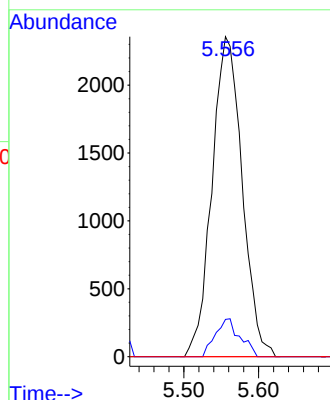
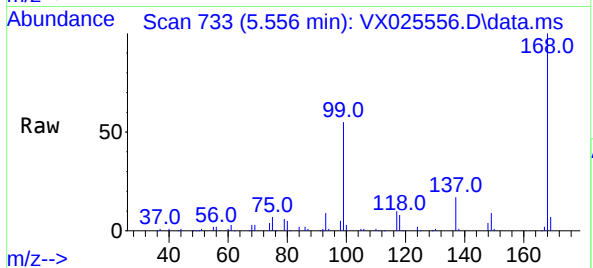




#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

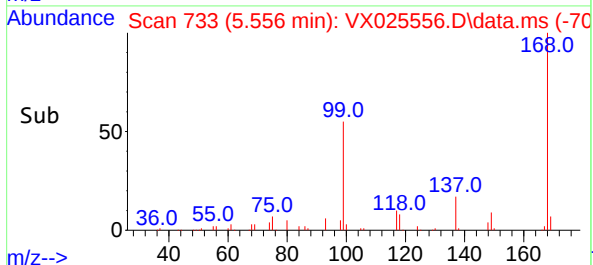
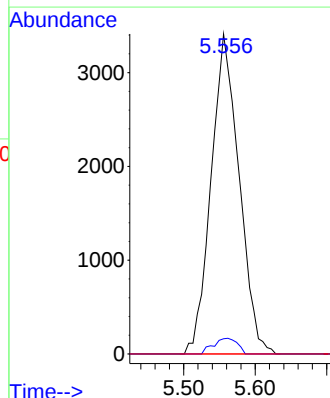
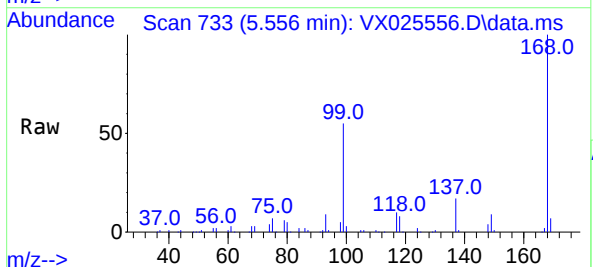
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

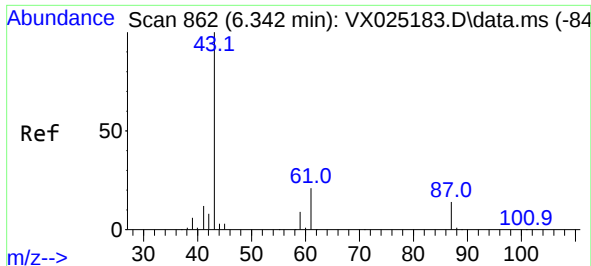
Tgt Ion: 75 Resp: 6607
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.134 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 117 Resp: 9286
Ion Ratio Lower Upper
117 100
119 4.7 75.6 113.4#
121 0.0 23.7 35.5#

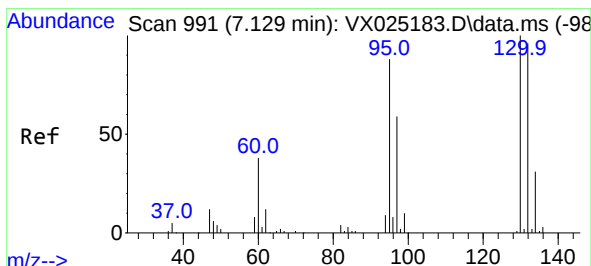
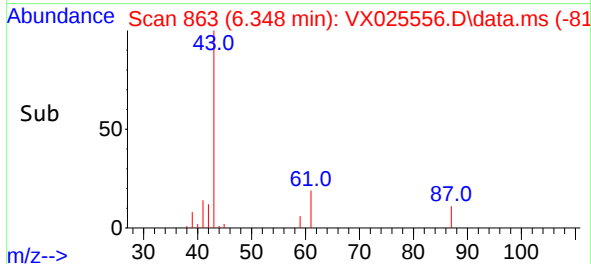
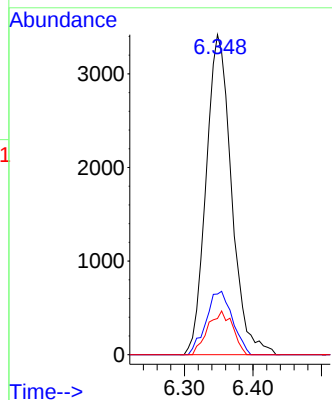
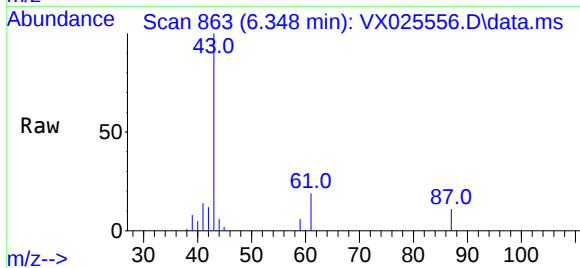




#43
Isopropyl Acetate
Concen: 3.384 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

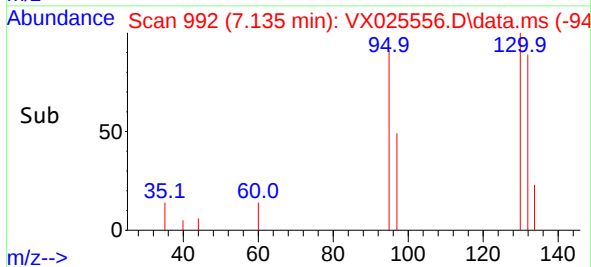
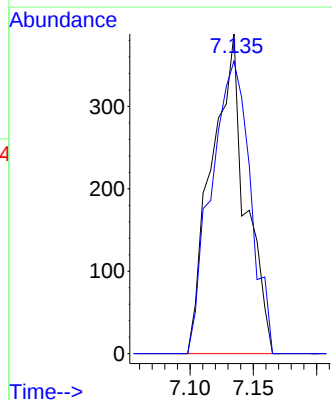
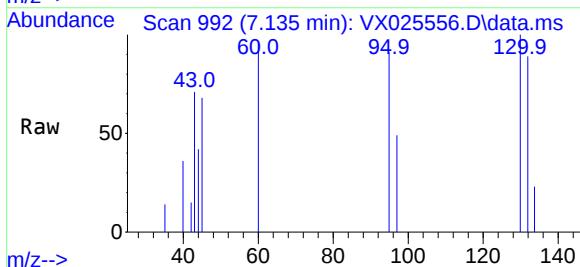
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

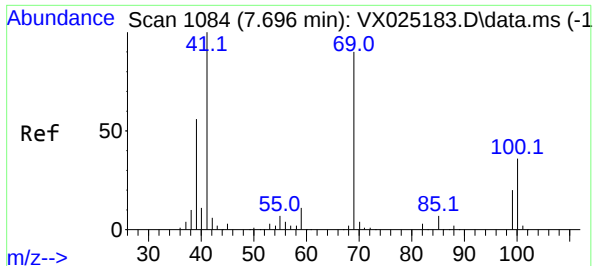
Tgt Ion: 43	Resp: 8808
Ion Ratio	Lower Upper
43 100	
61 20.5	15.3 22.9
87 13.3	10.9 16.3



#44
Trichloroethene
Concen: 0.602 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion:130	Resp:	728	
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	196.8

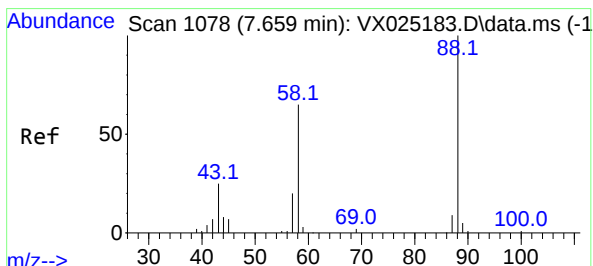
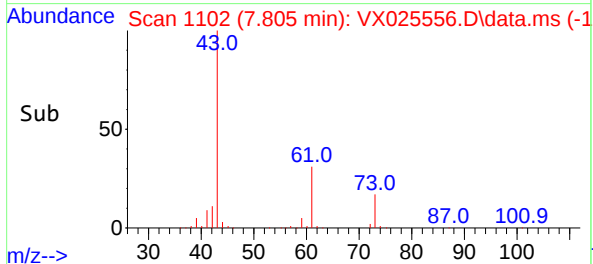
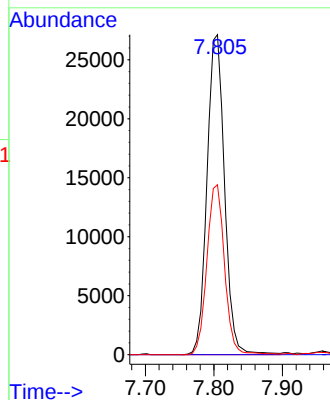
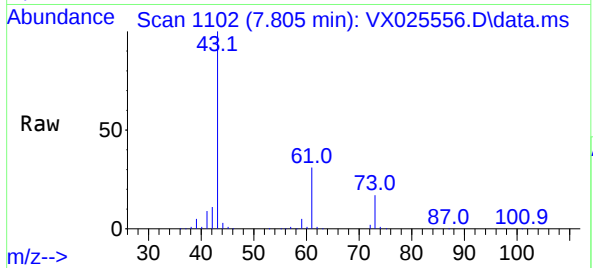




#48
Methyl methacrylate
Concen: 39.568 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.109 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

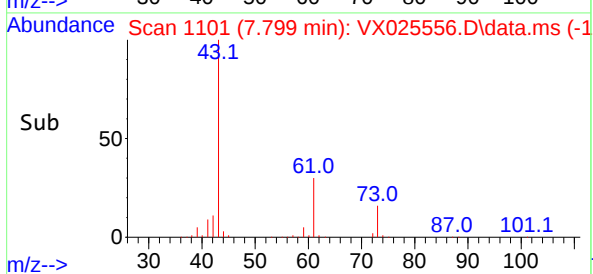
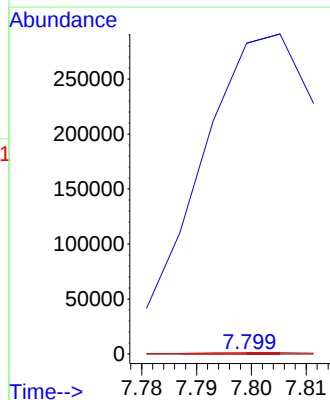
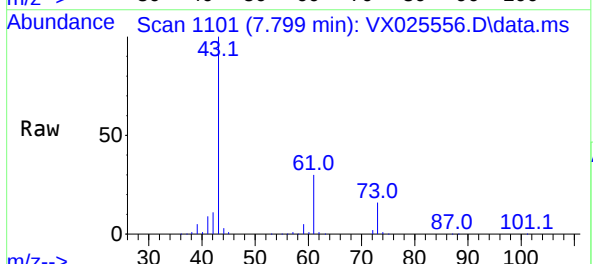
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

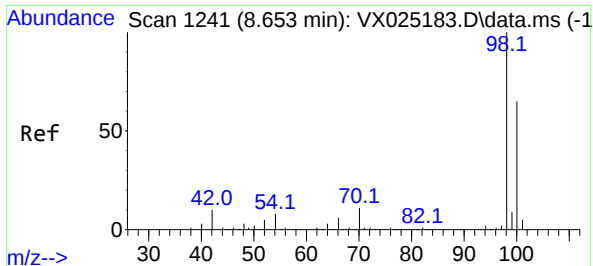
Tgt Ion: 41 Resp: 48329
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 53.5 46.9 70.3



#49
1,4-Dioxane
Concen: 0.814 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2455247.6 27.0 40.6#
58 10457.1 55.2 82.8#

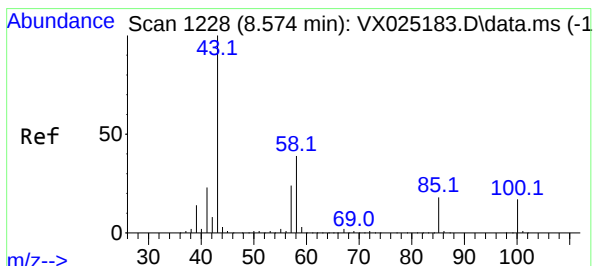
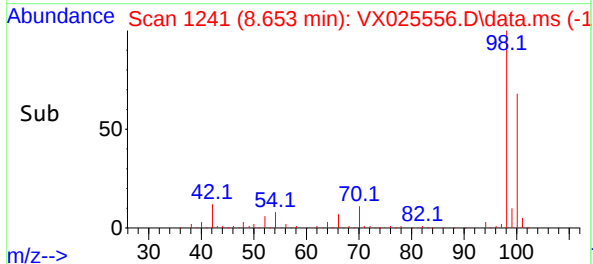
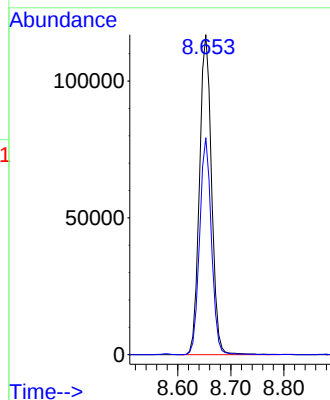
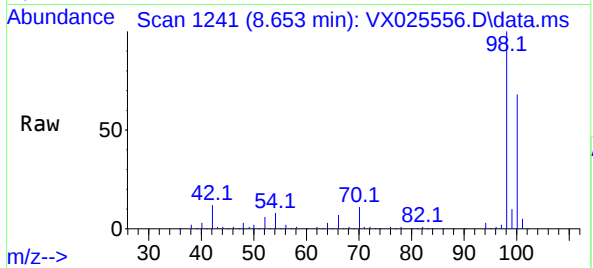




#50
Toluene-d8
Concen: 50.860 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

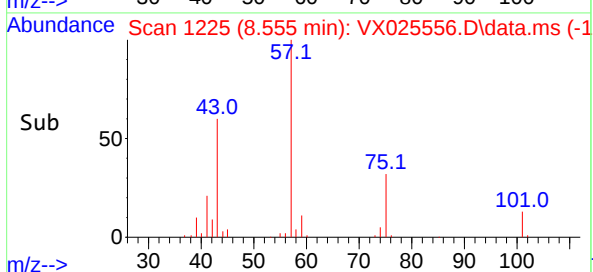
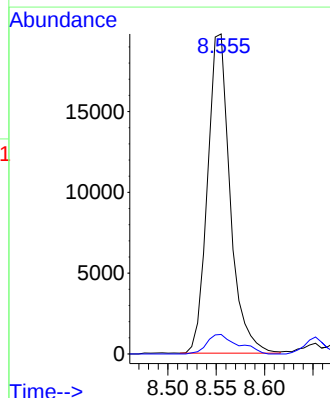
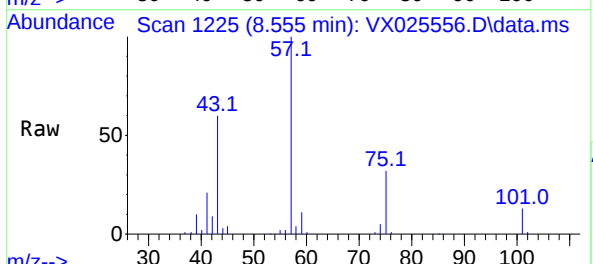
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

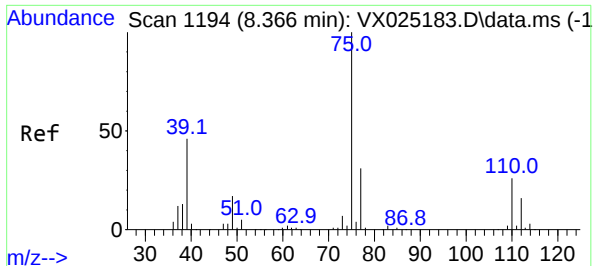
Tgt Ion: 98 Resp: 184842
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 19.705 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.019 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 43 Resp: 32156
Ion Ratio Lower Upper
43 100
58 8.4 30.9 46.3#

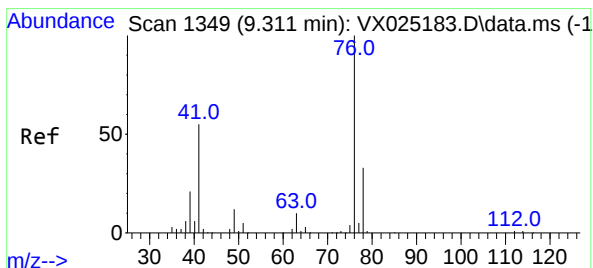
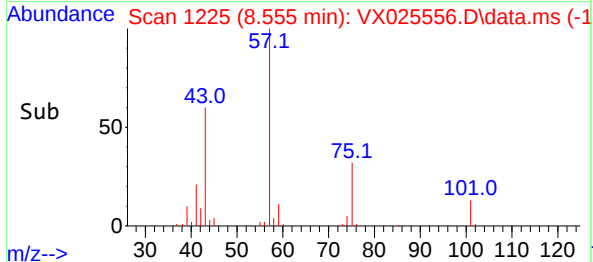
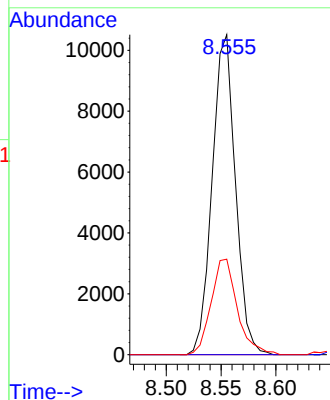
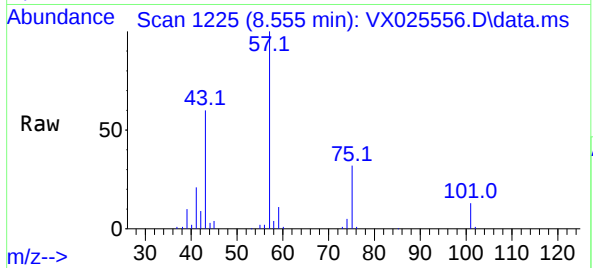




#54
cis-1,3-Dichloropropene
Concen: 8.825 ug/l
RT: 8.555 min Scan# 1194
Delta R.T. 0.189 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

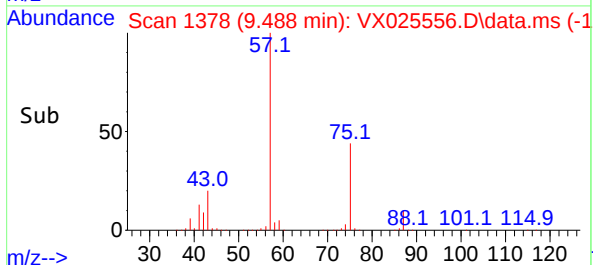
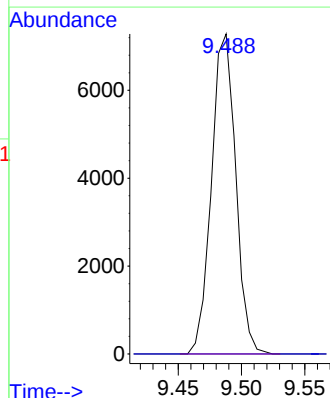
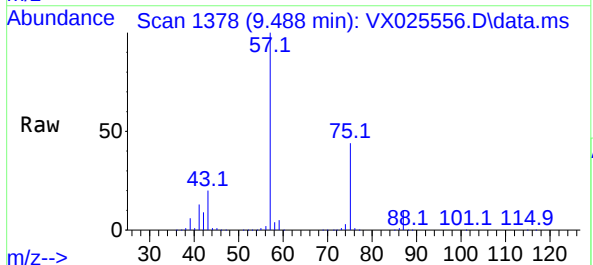
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

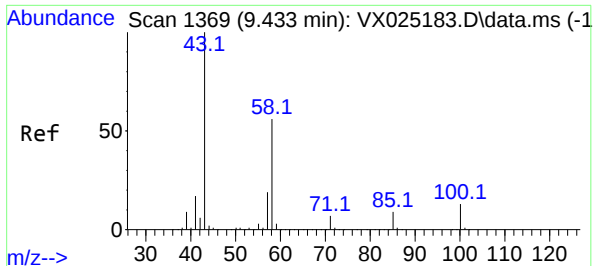
Tgt Ion: 75 Resp: 15520
Ion Ratio Lower Upper
75 100
77 0.0 23.8 35.8#
39 29.9 38.8 58.2#



#57
1,3-Dichloropropane
Concen: 5.415 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion: 76 Resp: 9697
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 97.596 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX025556.D

Acq: 06 Dec 2021 18:04

Instrument :

MSVOA_X

ClientSampleId :

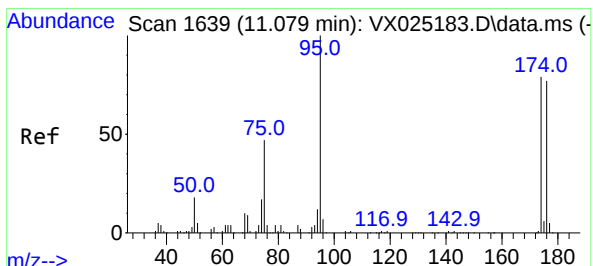
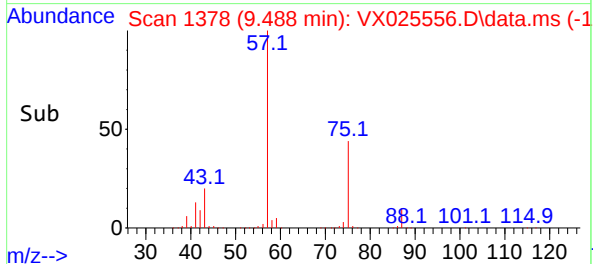
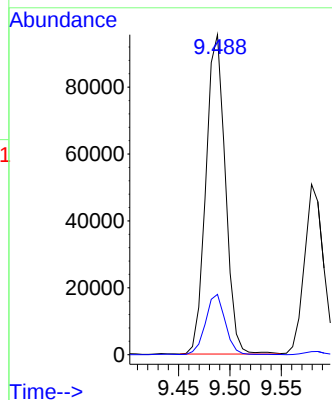
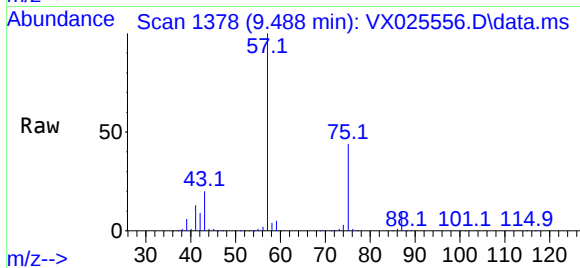
PB141182ZHE#06

Tgt Ion: 43 Resp: 125562

Ion Ratio Lower Upper

43 100

58 19.3 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 46.646 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025556.D

Acq: 06 Dec 2021 18:04

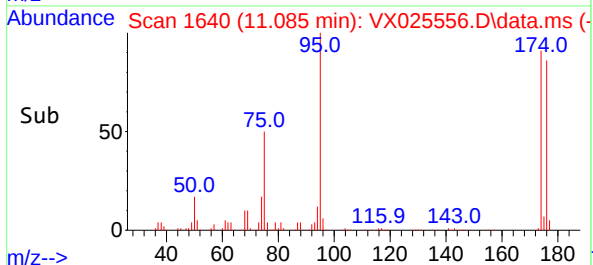
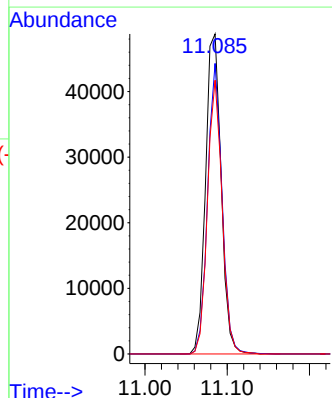
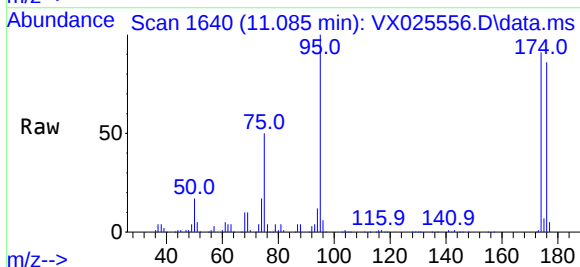
Tgt Ion: 95 Resp: 64133

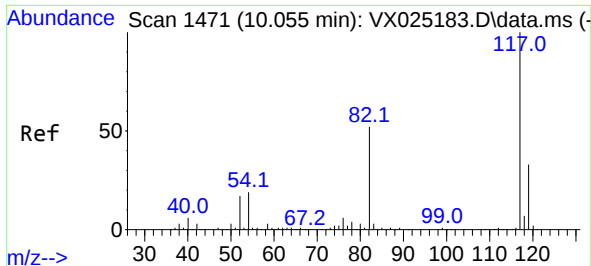
Ion Ratio Lower Upper

95 100

174 84.2 0.0 158.0

176 80.4 0.0 153.6

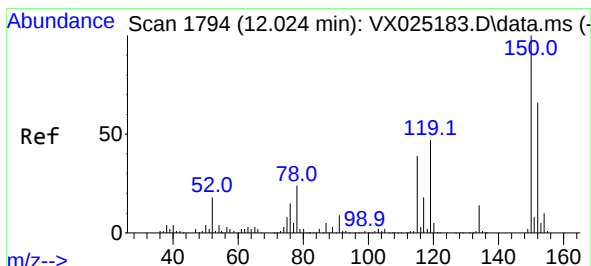
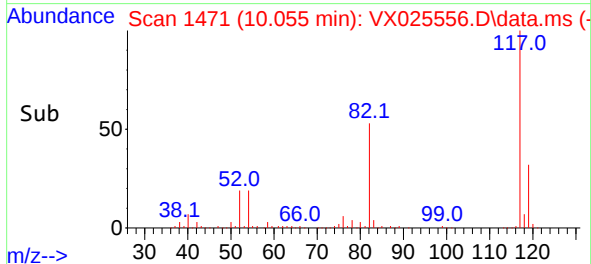
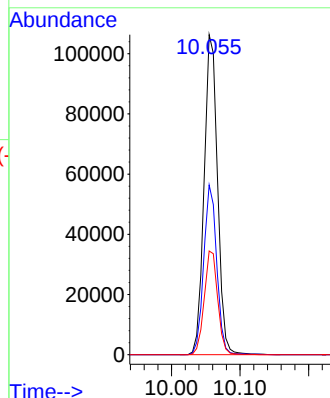
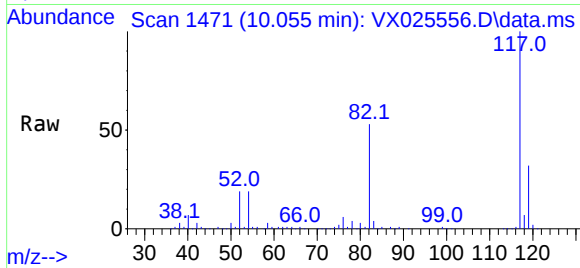




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

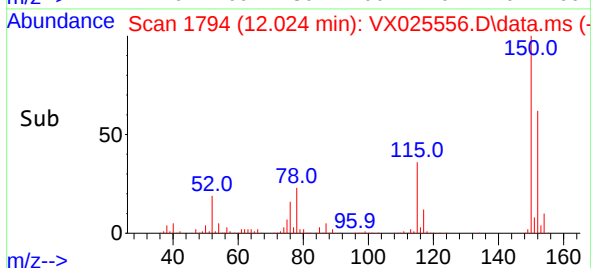
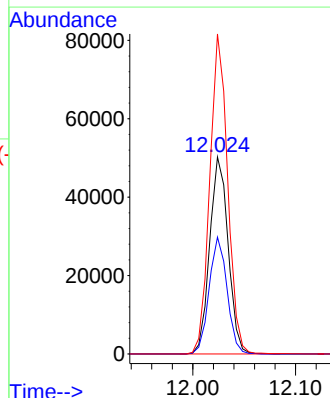
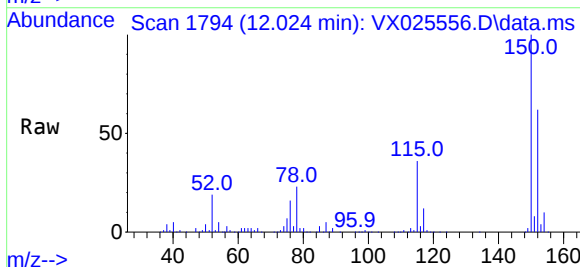
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

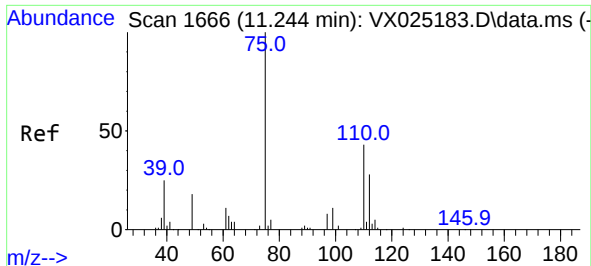
Tgt Ion:117 Resp: 145185
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion:152 Resp: 62707
Ion Ratio Lower Upper
152 100
115 57.7 43.3 129.8
150 157.0 0.0 351.2

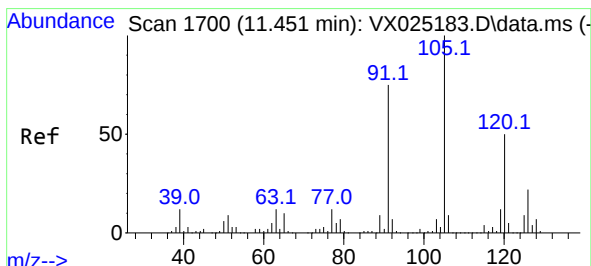
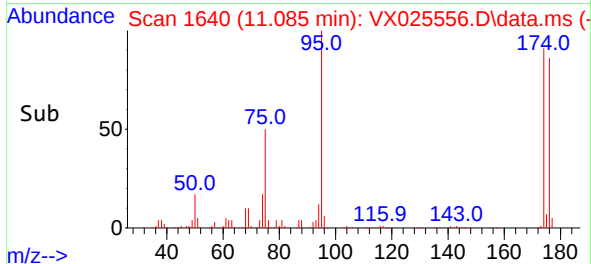
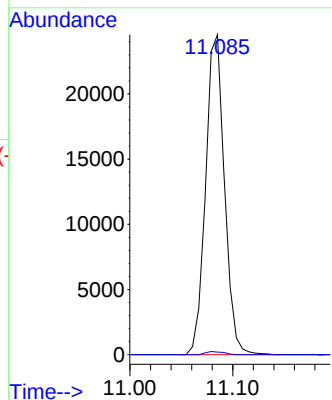
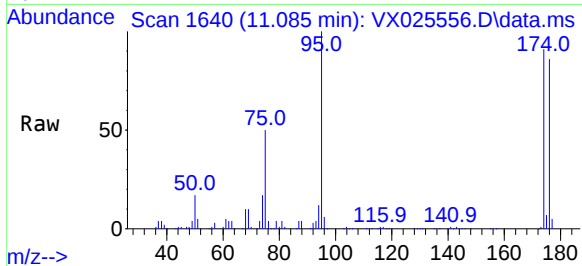




#76
1,2,3-Trichloropropane
Concen: 24.362 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

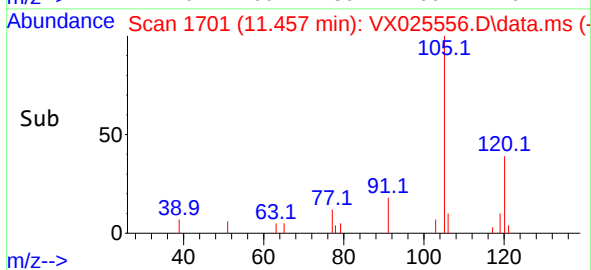
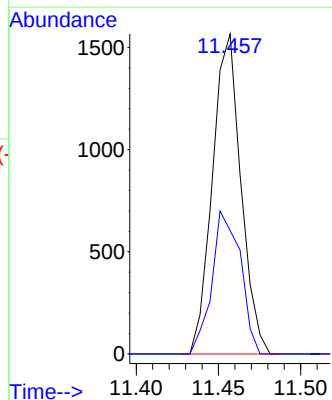
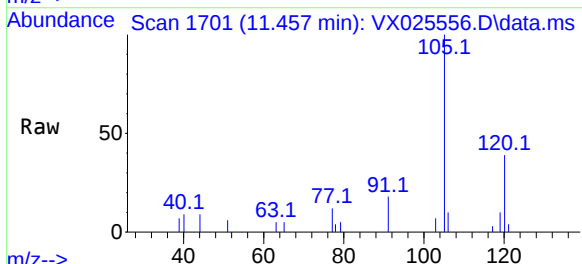
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06

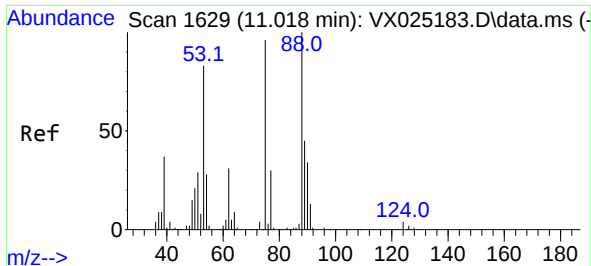
Tgt Ion: 75 Resp: 31284
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.502 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

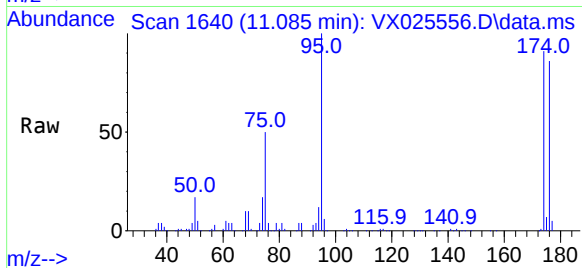
Tgt Ion: 105 Resp: 1886
Ion Ratio Lower Upper
105 100
120 44.7 23.8 71.5



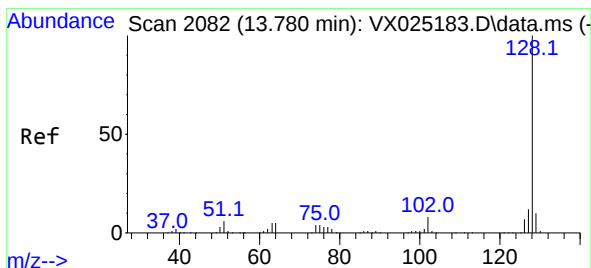
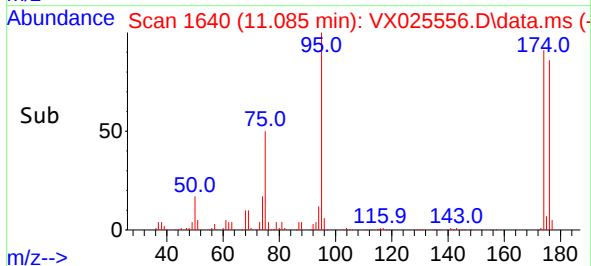
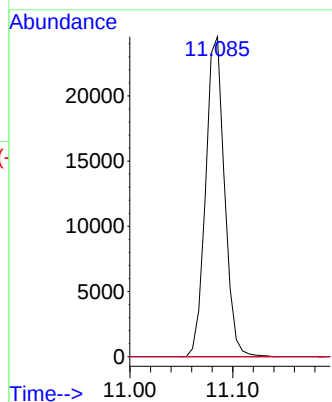


#81
trans-1,4-Dichloro-2-butene
Concen: 61.373 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#06



Tgt Ion: 75 Resp: 31284
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025556.D
Acq: 06 Dec 2021 18:04

Tgt Ion:128 Resp: 209
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

