

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028588.D
 Acq On : 10 May 2022 12:29
 Operator : JC/MD
 Sample : PB144702ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#01

Quant Time: May 11 06:58:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	417465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	705586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	699549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	346262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	285827	52.510	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.020%	
35) Dibromofluoromethane	5.391	113	268697	54.302	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.600%	
50) Toluene-d8	8.653	98	980513	51.592	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	11.079	95	372586	51.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	248	Below Cal		93
5) Bromomethane	1.612	94	941	Below Cal	#	69
6) Chloroethane	1.660	64	246	Below Cal	#	43
8) Diethyl Ether	2.130	74	40	Below Cal	#	1
10) Methyl Iodide	2.459	142	1039	5.436	ug/l #	81
11) Tert butyl alcohol	2.947	59	4751	Below Cal	#	75
16) Acetone	2.380	43	43502	24.909	ug/l	93
18) Methyl Acetate	2.709	43	1950	0.403	ug/l	95
20) Methylene Chloride	2.794	84	37516	9.289	ug/l	97
25) 2-Butanone	4.574	43	8393	2.604	ug/l #	87
29) Tetrahydrofuran	5.026	42	849	0.404	ug/l #	66
31) Cyclohexane	5.556	56	8001	1.206	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	28788	4.460	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40184	5.515	ug/l #	15
43) Isopropyl Acetate	6.342	43	30554	2.867	ug/l	98
48) Methyl methacrylate	7.598	41	8538	1.745	ug/l #	7
49) 1,4-Dioxane	7.799	88	352	2.689	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	116786	17.074	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	61830	7.770	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	39096	4.542	ug/l #	43
59) 2-Hexanone	9.482	43	448907	84.725	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	183279	26.895	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	8648	0.428	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	183279	79.924	ug/l #	15

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

Quant Time: May 11 06:58:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

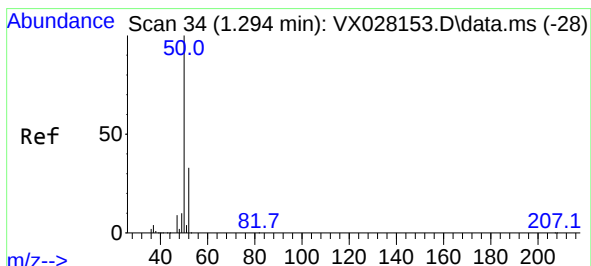
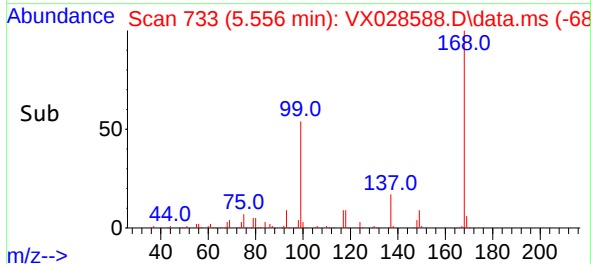
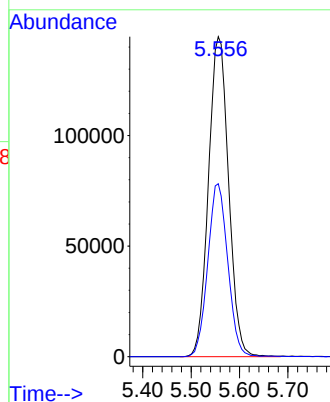
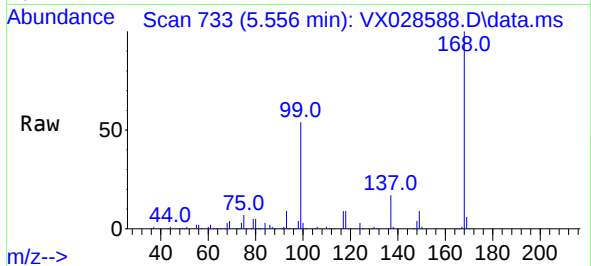




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

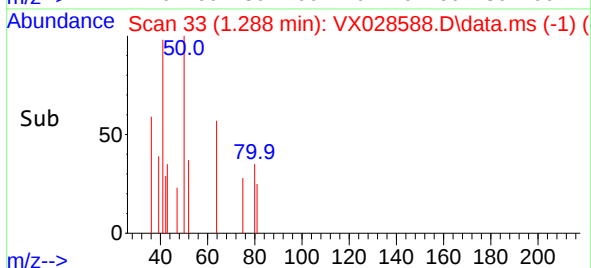
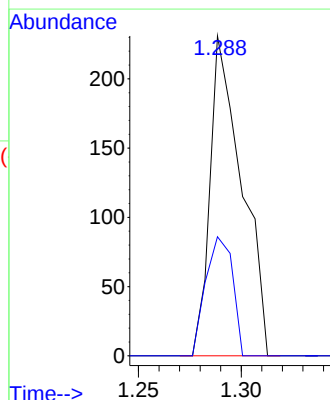
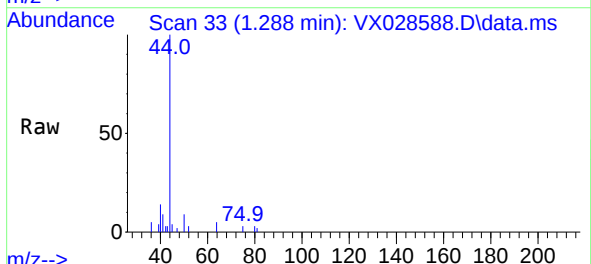
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

Tgt Ion:168 Resp: 417465
Ion Ratio Lower Upper
168 100
99 54.0 41.7 62.5

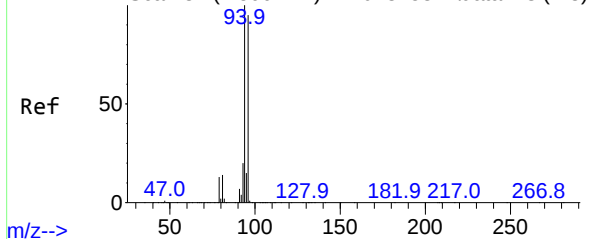


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 37.2 26.4 39.6



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.612 min Scan# 80

Delta R.T. 0.013 min

Lab File: VX028588.D

Acq: 10 May 2022 12:29

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#01

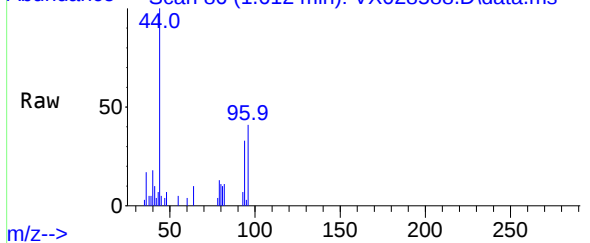
Tgt Ion: 94 Resp: 941

Ion Ratio Lower Upper

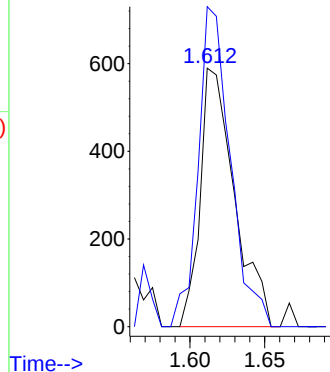
94 100

96 123.7 75.3 112.9#

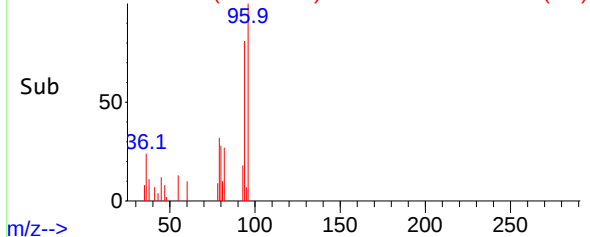
Abundance Scan 86 (1.612 min): VX028588.D\data.ms



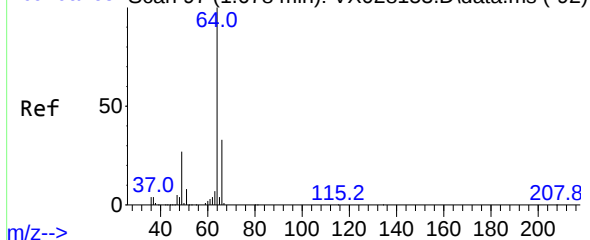
Abundance



Abundance Scan 86 (1.612 min): VX028588.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. -0.018 min

Lab File: VX028588.D

Acq: 10 May 2022 12:29

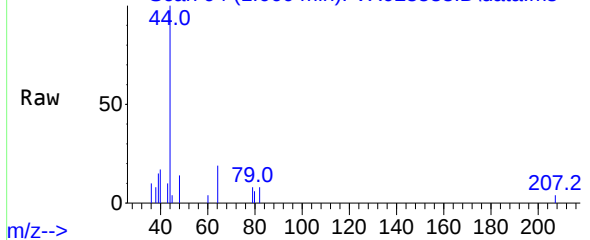
Tgt Ion: 64 Resp: 246

Ion Ratio Lower Upper

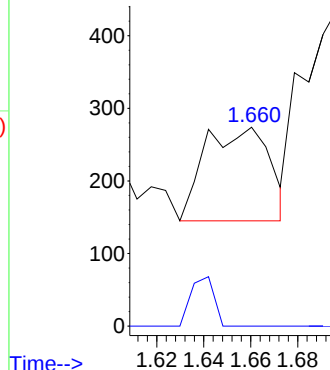
64 100

66 0.0 25.3 37.9#

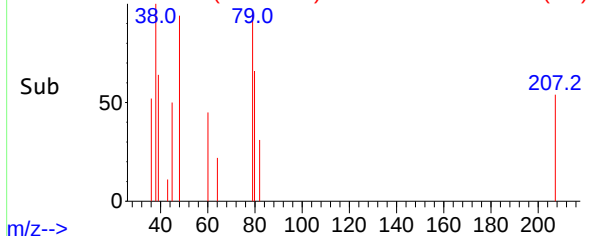
Abundance Scan 94 (1.660 min): VX028588.D\data.ms

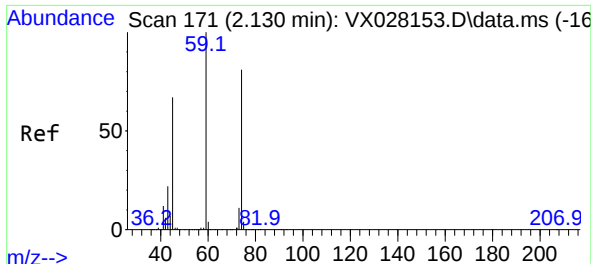


Abundance



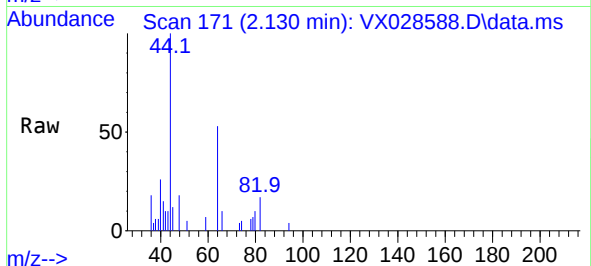
Abundance Scan 94 (1.660 min): VX028588.D\data.ms (-48)



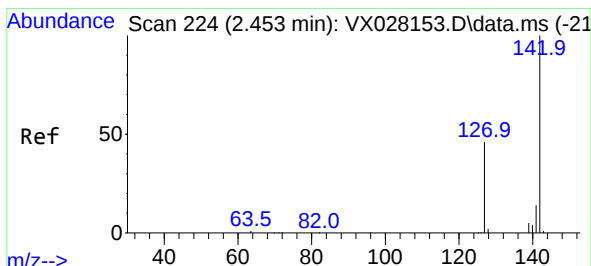
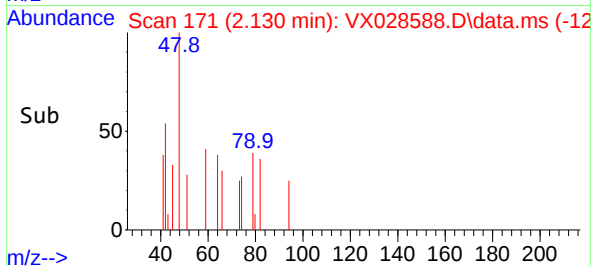
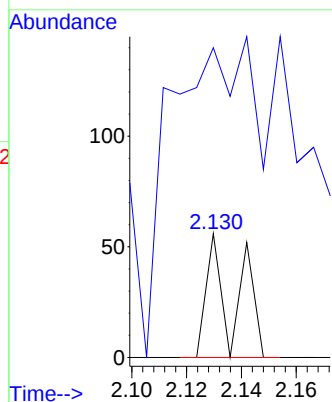


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

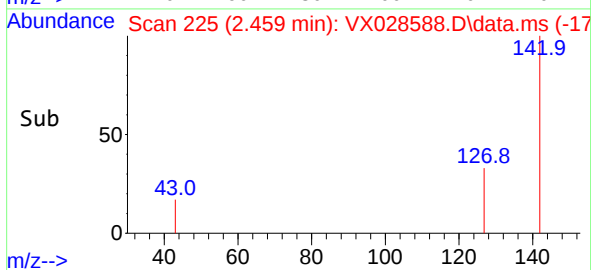
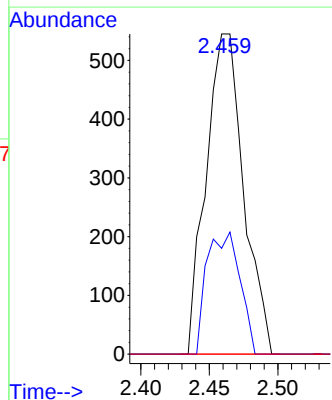
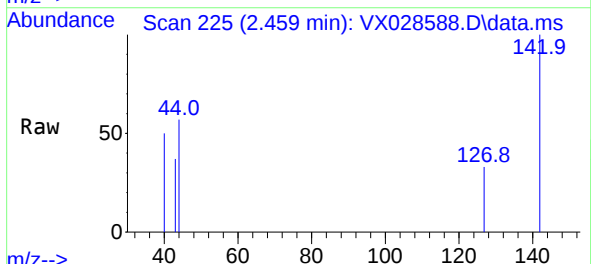


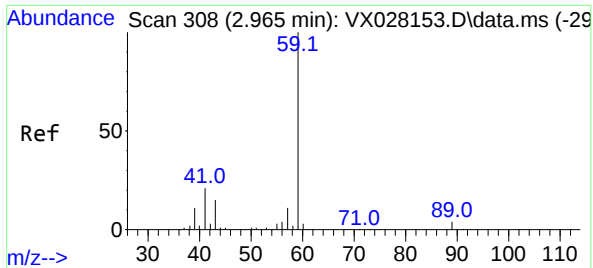
Tgt Ion: 74 Resp: 40
Ion Ratio Lower Upper
74 100
45 777.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.436 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 142 Resp: 1039
Ion Ratio Lower Upper
142 100
127 33.5 33.9 50.9#
141 0.0 11.4 17.2#

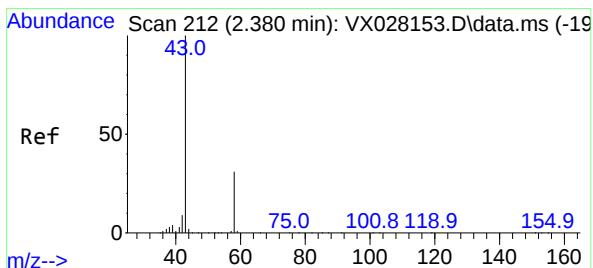
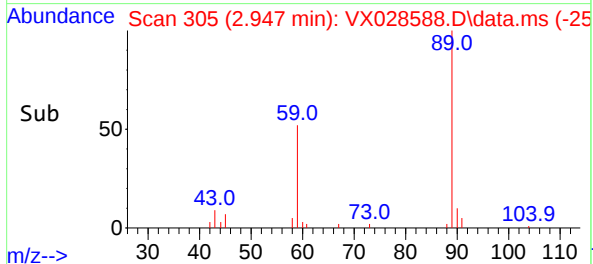
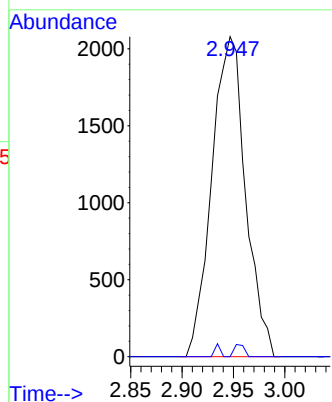
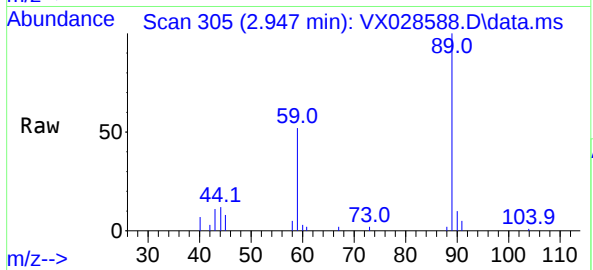




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

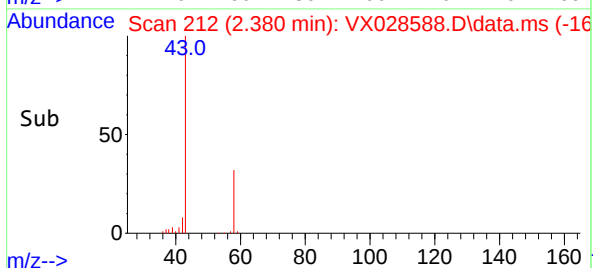
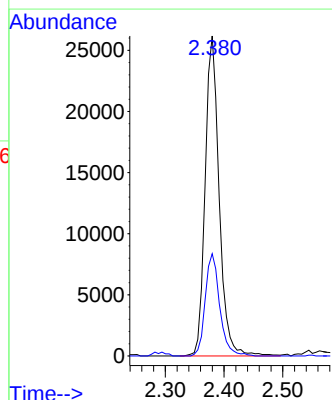
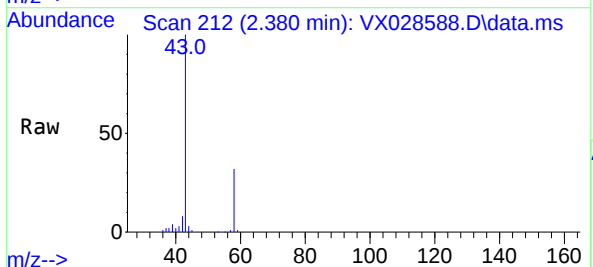
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

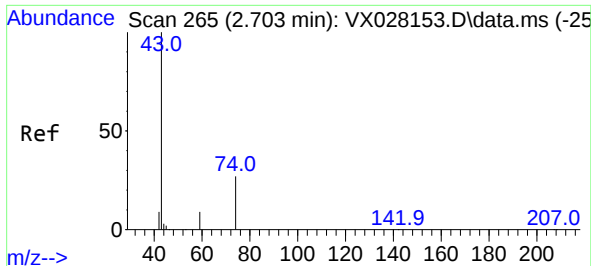
Tgt Ion: 59 Resp: 4751
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#



#16
Acetone
Concen: 24.909 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 43 Resp: 43502
Ion Ratio Lower Upper
43 100
58 32.0 28.8 43.2

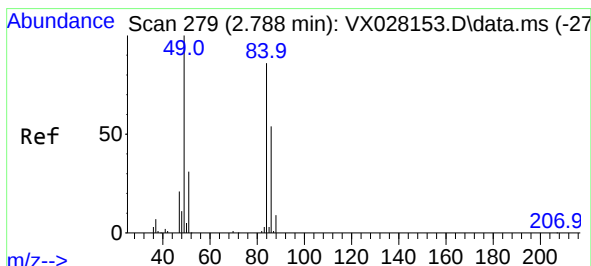
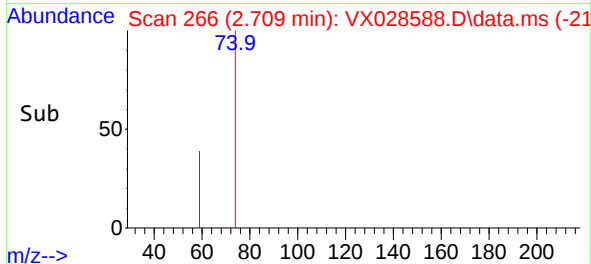
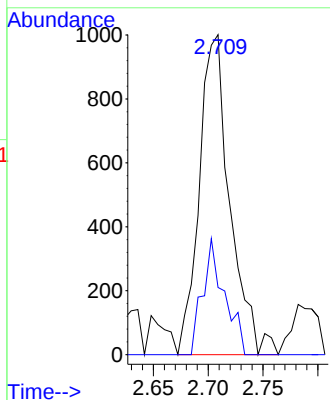
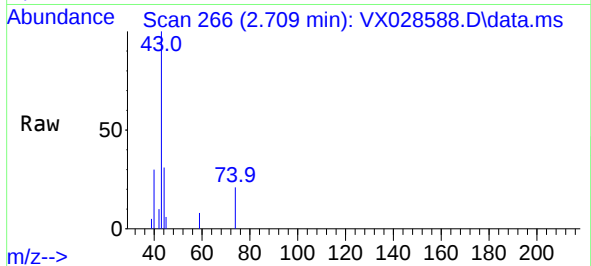




#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

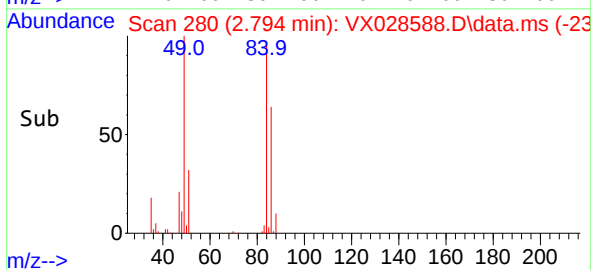
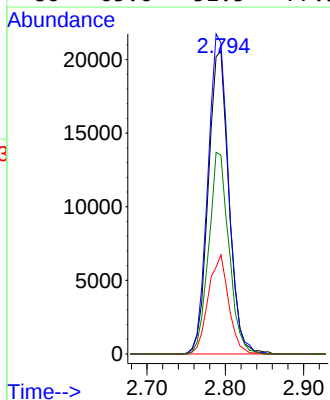
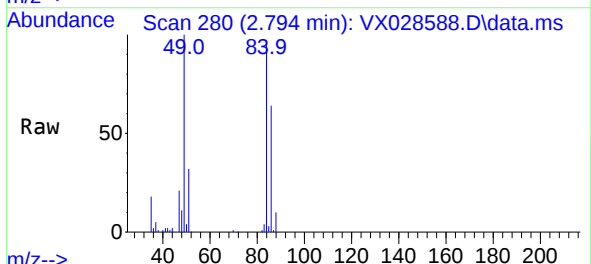
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

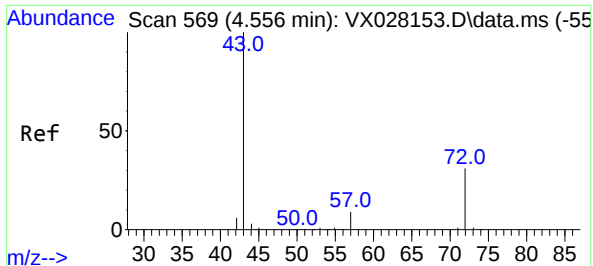
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
74 25.7 22.8 34.2



#20
Methylene Chloride
Concen: 9.289 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 84 Resp: 37516
Ion Ratio Lower Upper
84 100
49 102.8 85.5 128.3
51 32.8 26.6 39.8
86 65.6 51.5 77.3

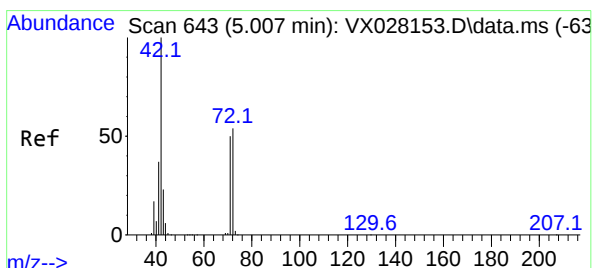
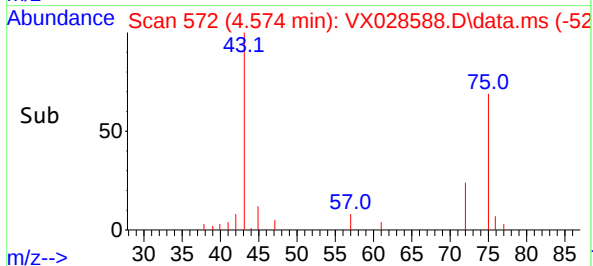
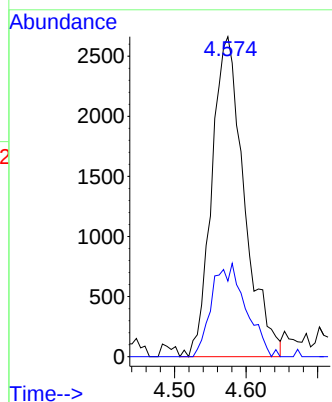
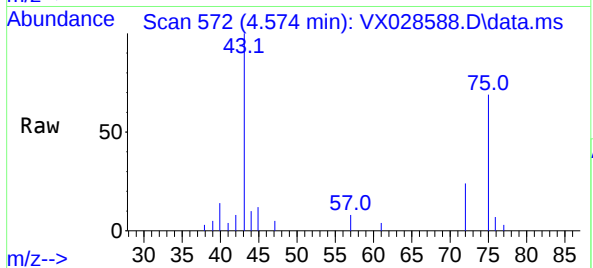




#25
2-Butanone
Concen: 2.604 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

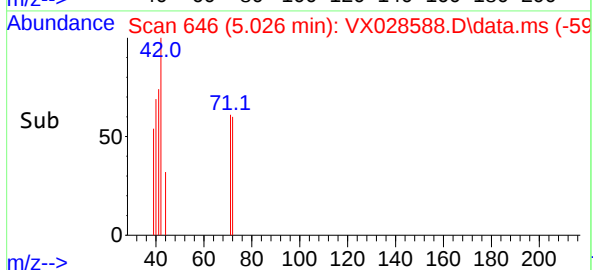
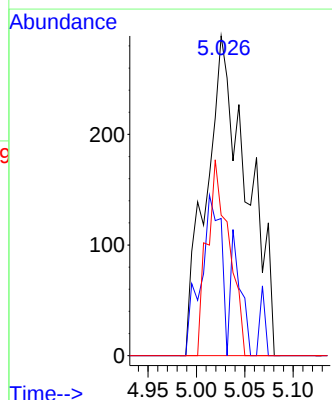
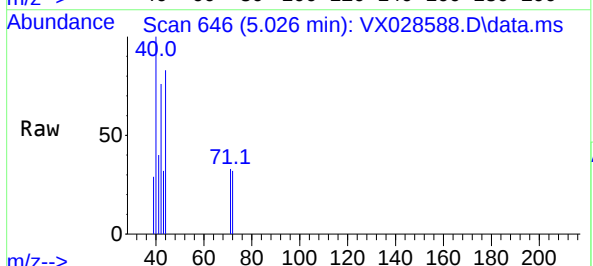
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

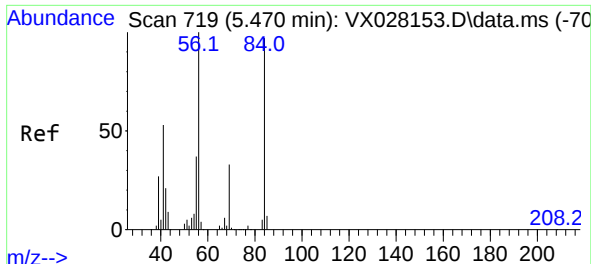
Tgt Ion: 43 Resp: 8393
Ion Ratio Lower Upper
43 100
72 23.6 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.019 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 42 Resp: 849
Ion Ratio Lower Upper
42 100
72 25.0 44.1 66.1#
71 32.7 40.5 60.7#

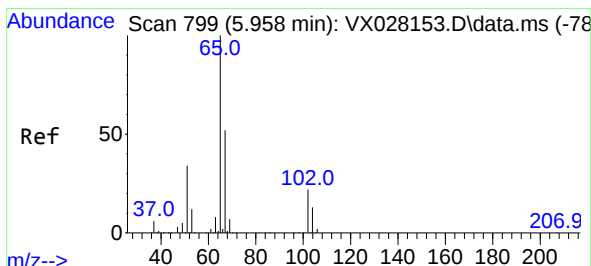
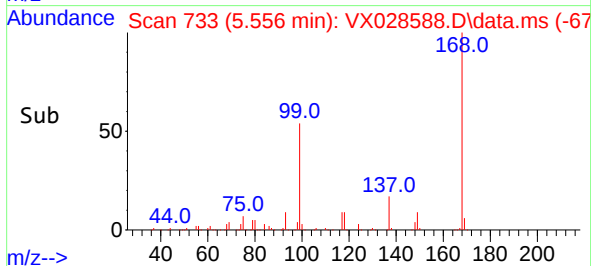
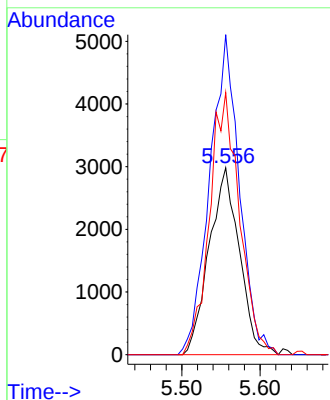
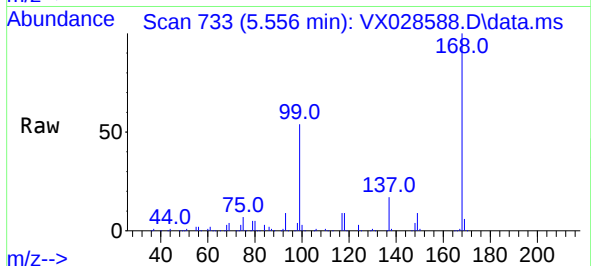




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

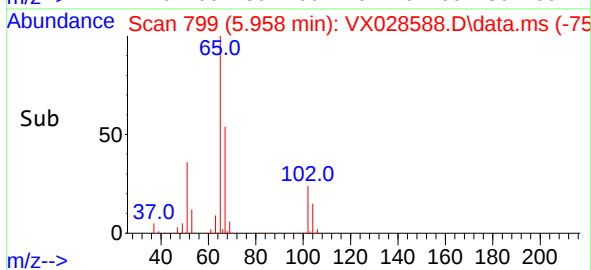
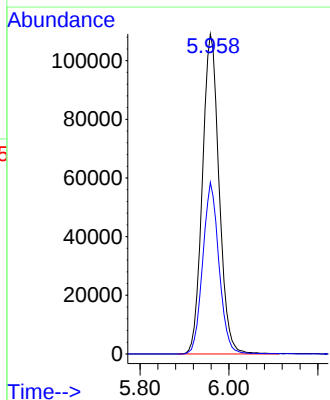
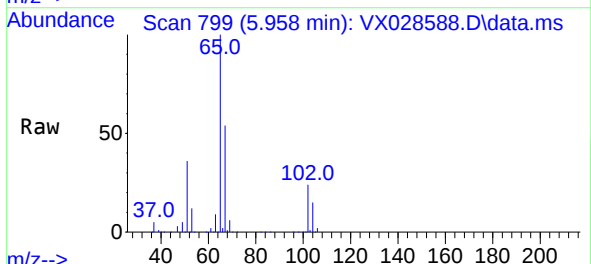
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

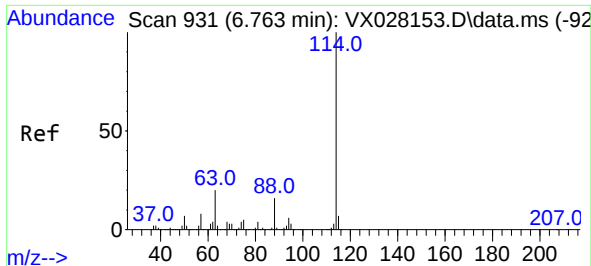
Tgt Ion: 56 Resp: 8001
Ion Ratio Lower Upper
56 100
69 171.2 26.7 40.1#
84 140.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.510 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 65 Resp: 285827
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

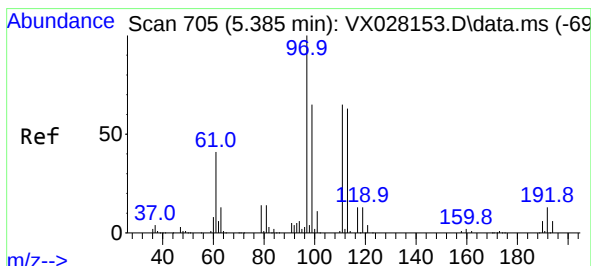
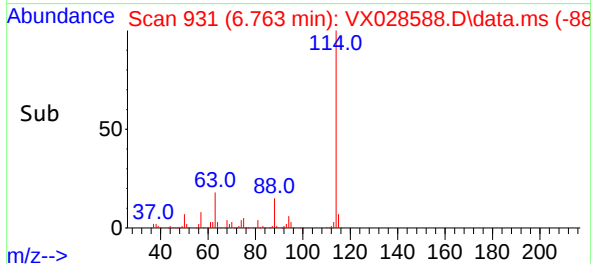
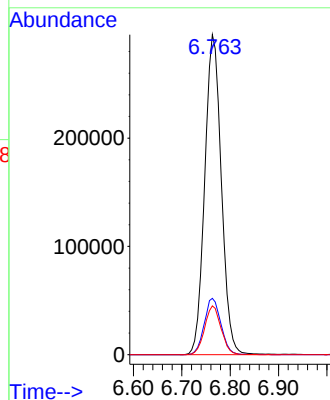
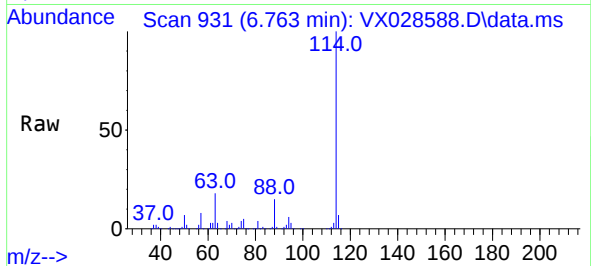




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

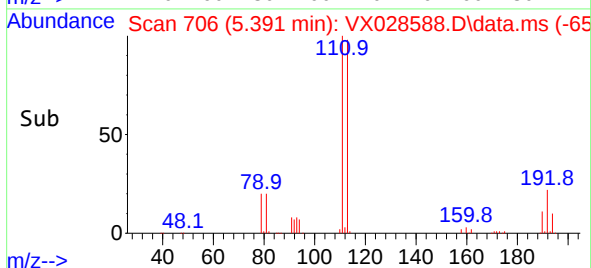
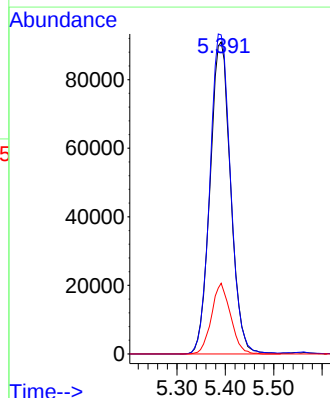
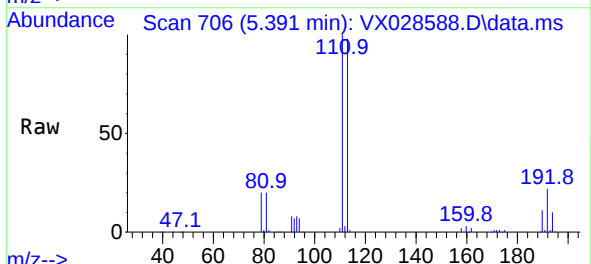
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

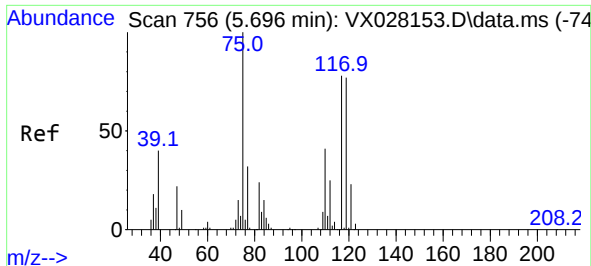
Tgt Ion:114 Resp: 705586
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.302 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion:113 Resp: 268697
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 21.0 16.9 25.3

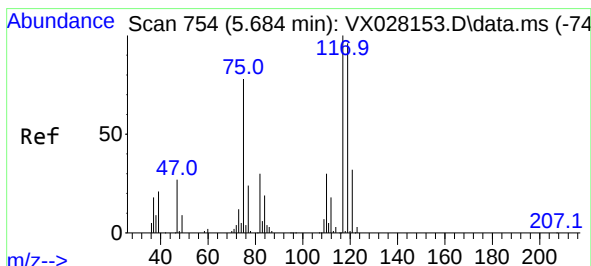
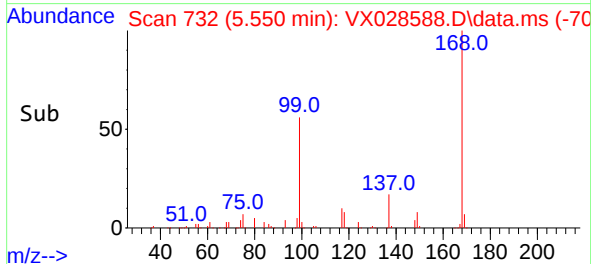
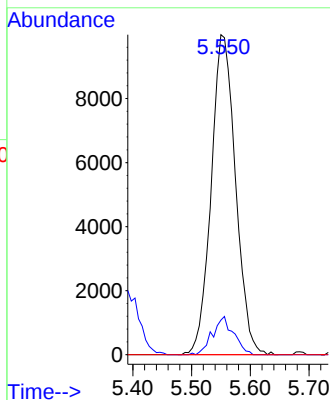
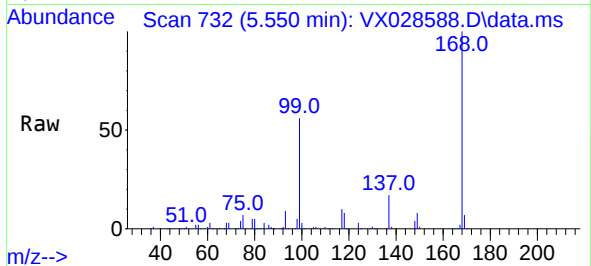




#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

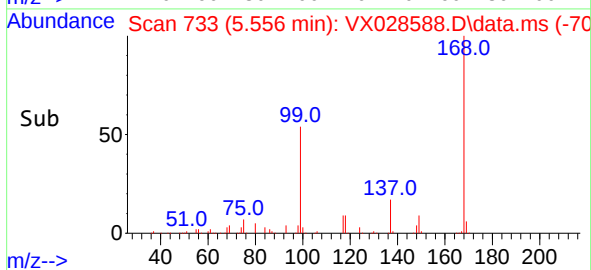
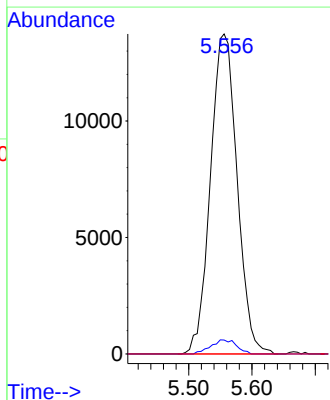
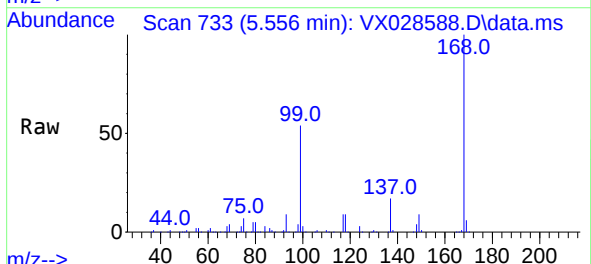
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

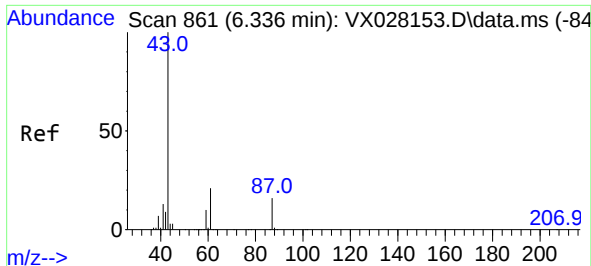
Tgt Ion: 75 Resp: 28788
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 117 Resp: 40184
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.867 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX028588.D

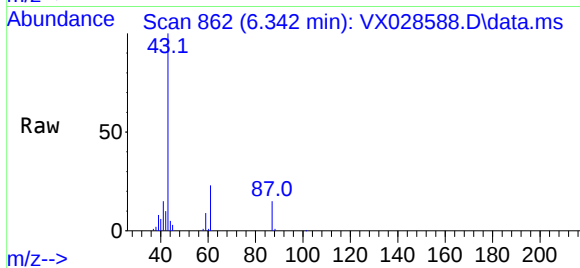
Acq: 10 May 2022 12:29

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#01



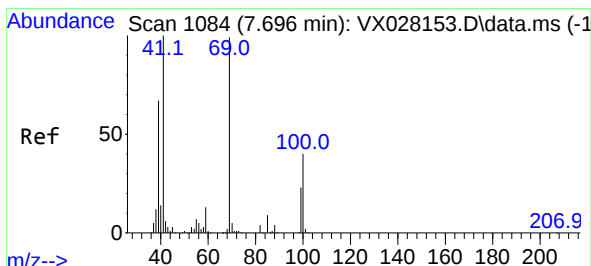
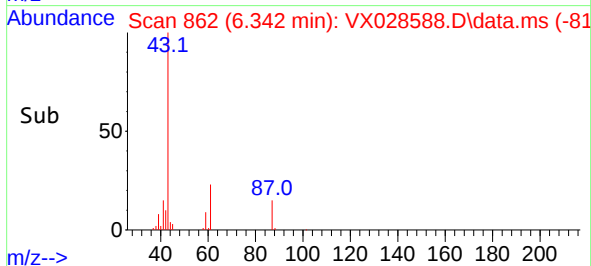
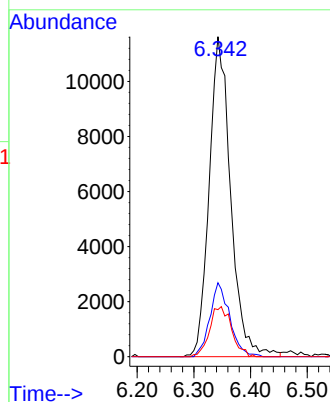
Tgt Ion: 43 Resp: 30554

Ion Ratio Lower Upper

43 100

61 21.4 18.5 27.7

87 16.0 13.0 19.6



#48

Methyl methacrylate

Concen: 1.745 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX028588.D

Acq: 10 May 2022 12:29

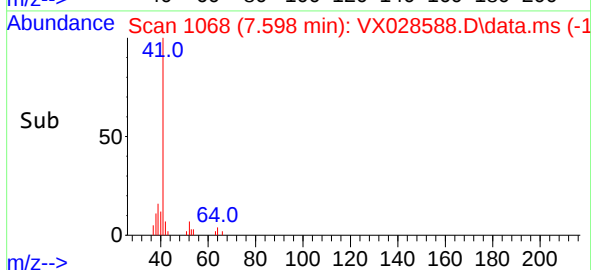
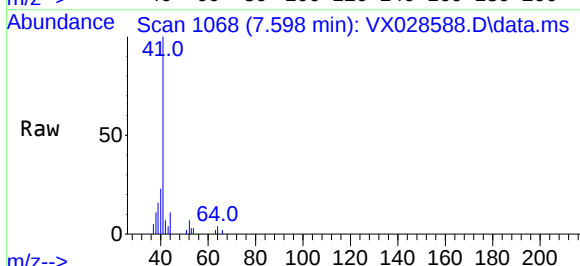
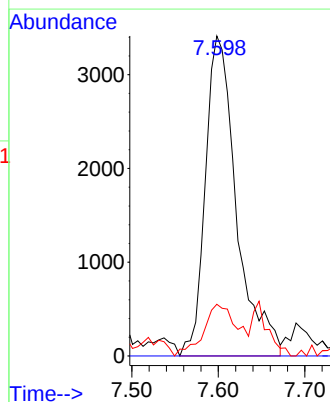
Tgt Ion: 41 Resp: 8538

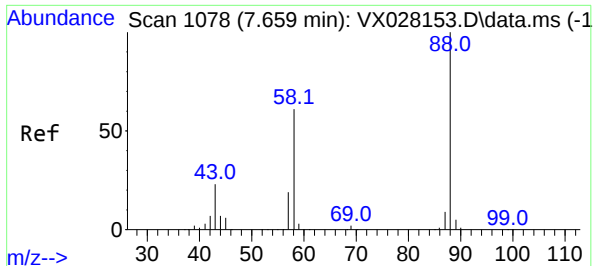
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 2.689 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028588.D

Acq: 10 May 2022 12:29

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#01

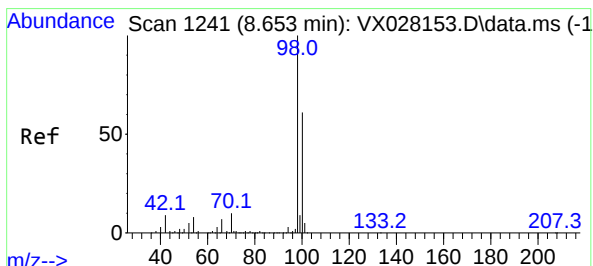
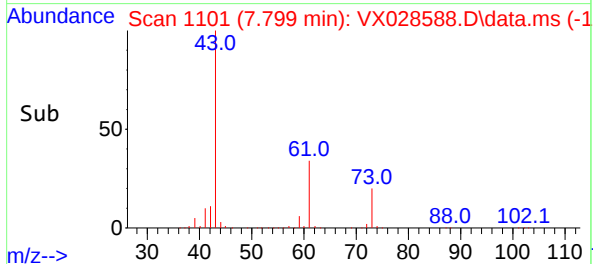
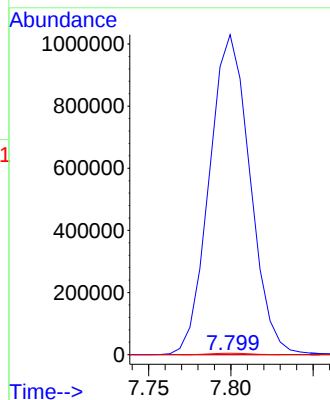
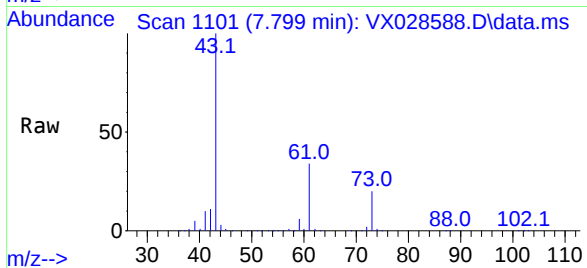
Tgt Ion: 88 Resp: 352

Ion Ratio Lower Upper

88 100

43 507381.3 21.9 32.9#

58 2330.1 53.7 80.5#



#50

Toluene-d8

Concen: 51.592 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028588.D

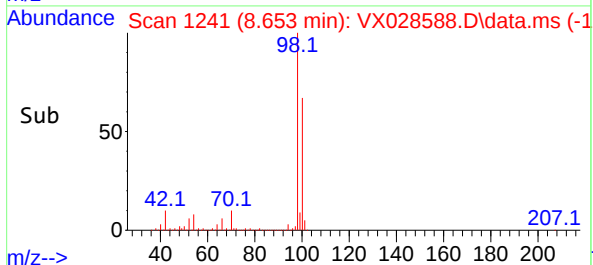
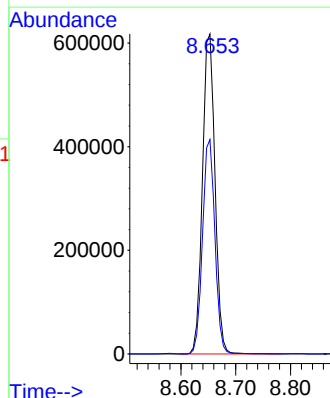
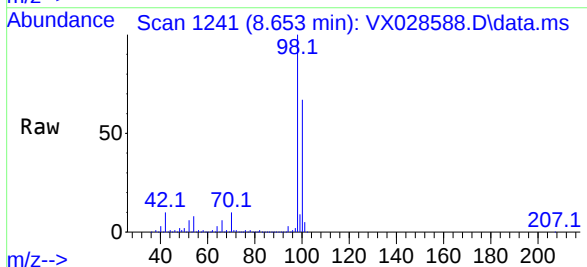
Acq: 10 May 2022 12:29

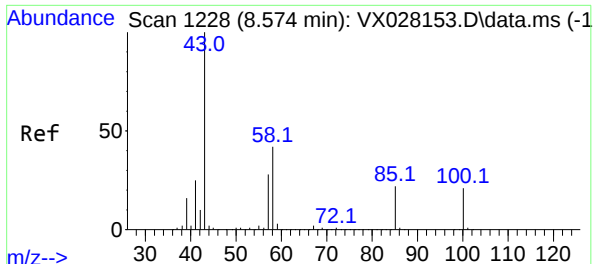
Tgt Ion: 98 Resp: 980513

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

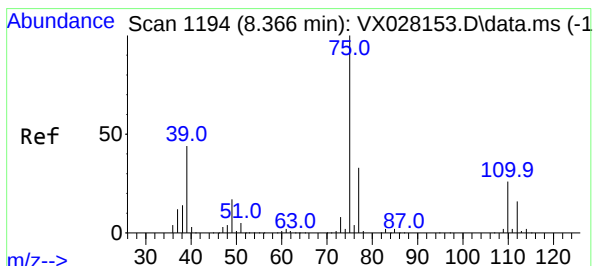
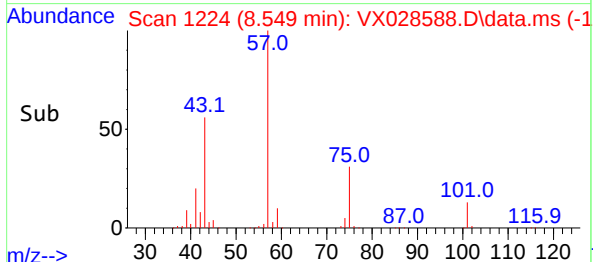
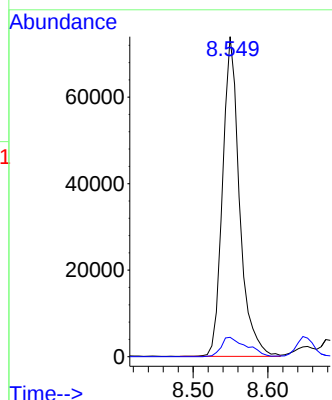
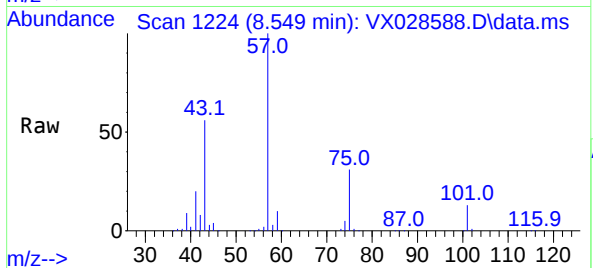




#51
4-Methyl-2-Pentanone
Concen: 17.074 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

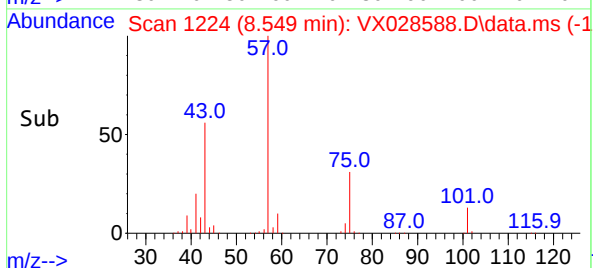
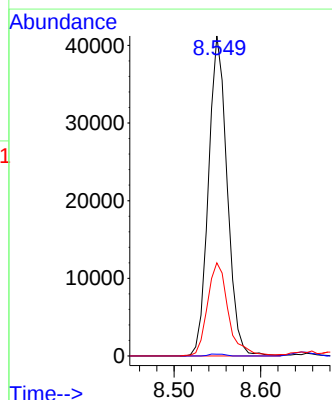
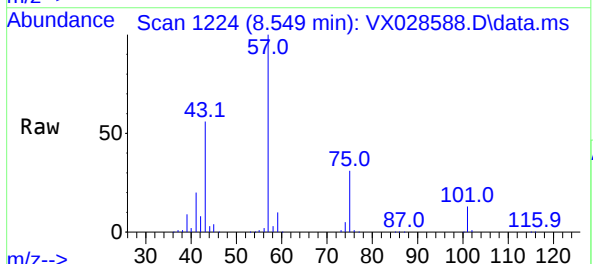
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

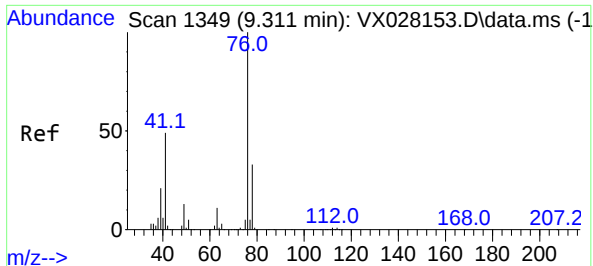
Tgt Ion: 43 Resp: 116786
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.770 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 75 Resp: 61830
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 29.1 29.6 44.4#

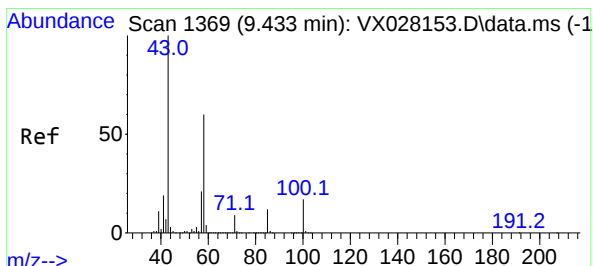
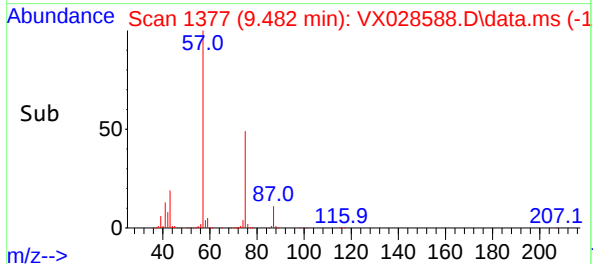
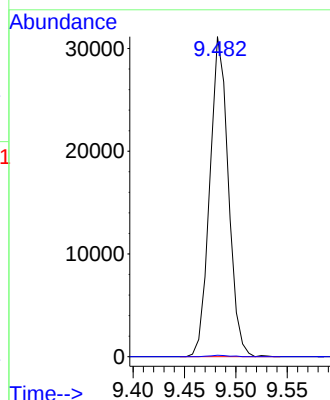
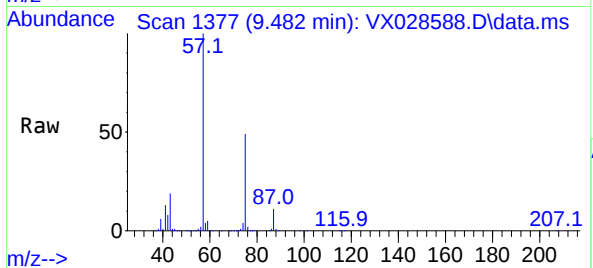




#57
1,3-Dichloropropane
Concen: 4.542 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

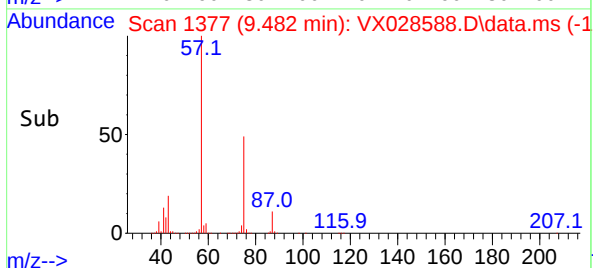
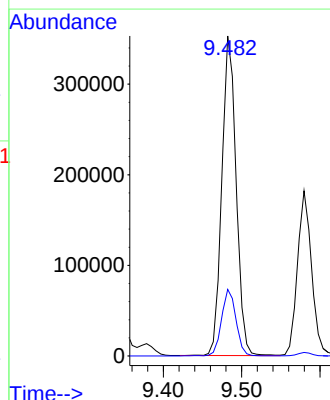
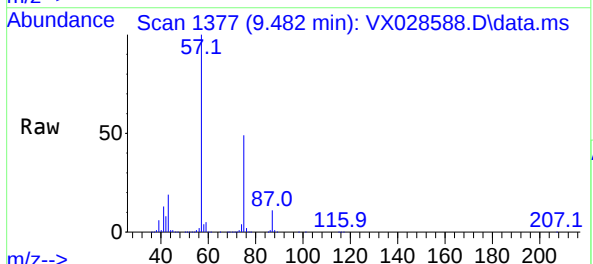
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

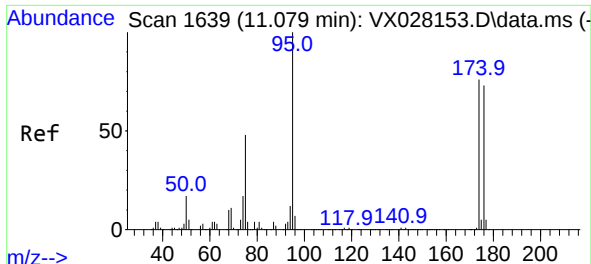
Tgt Ion: 76 Resp: 39096
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#



#59
2-Hexanone
Concen: 84.725 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 43 Resp: 448907
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#

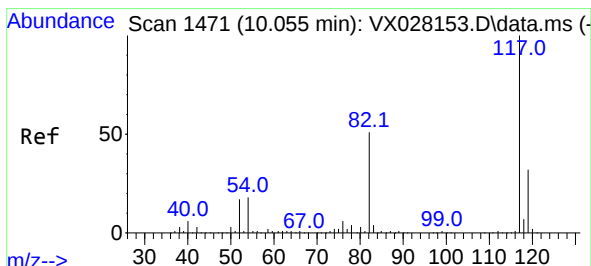
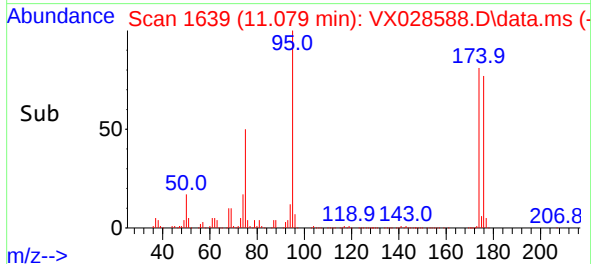
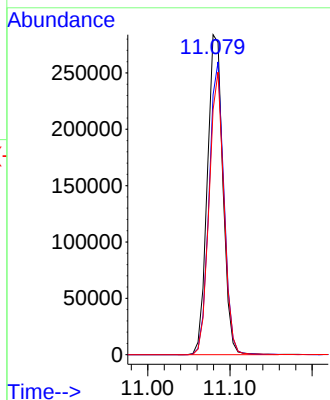
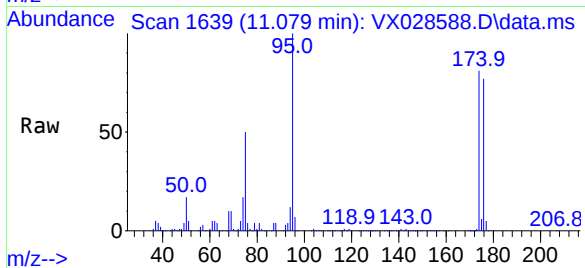




#62
4-Bromofluorobenzene
Concen: 51.273 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

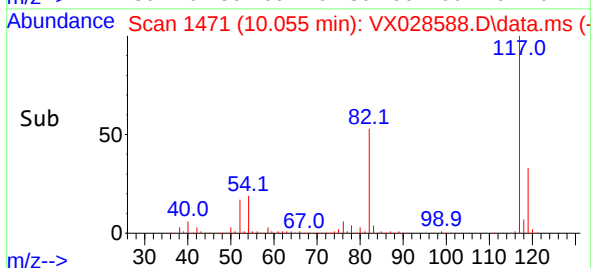
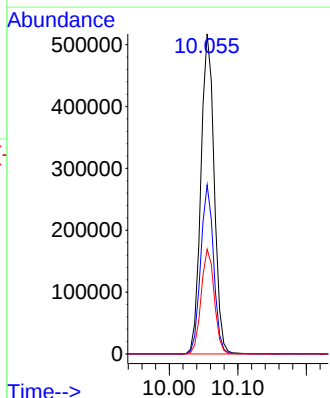
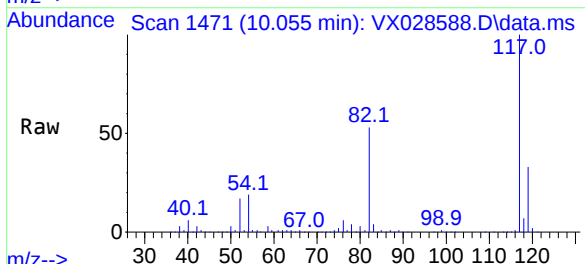
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

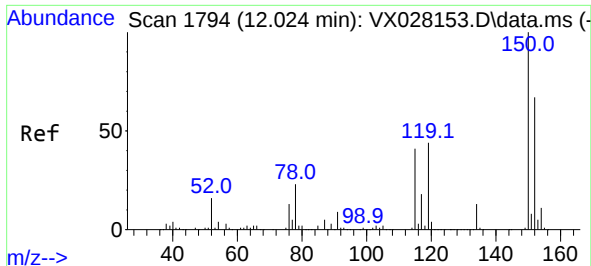
Tgt Ion: 95 Resp: 372586
Ion Ratio Lower Upper
95 100
174 87.7 0.0 163.0
176 84.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 117 Resp: 699549
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.7 24.8 37.2

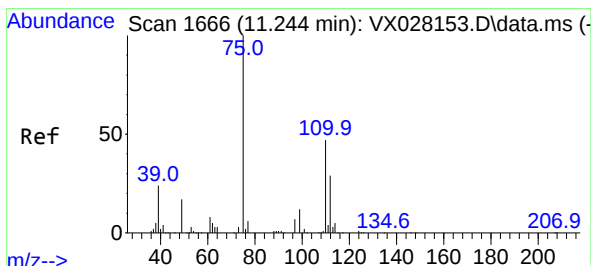
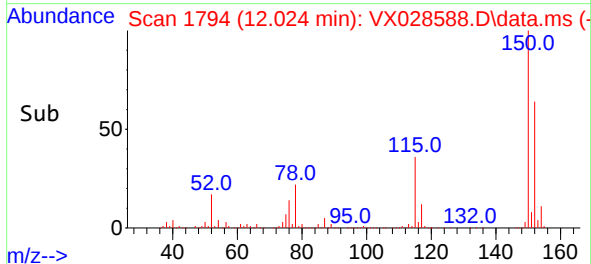
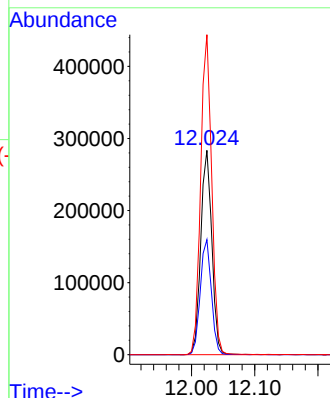
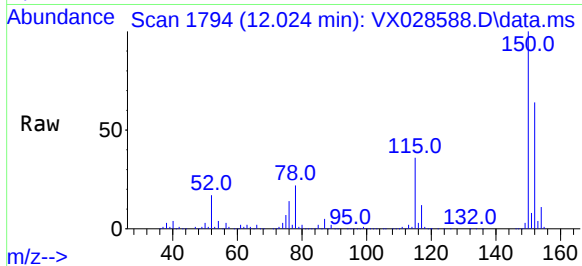




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

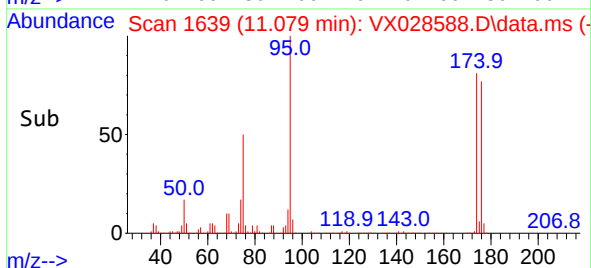
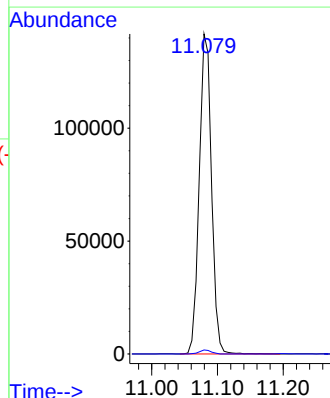
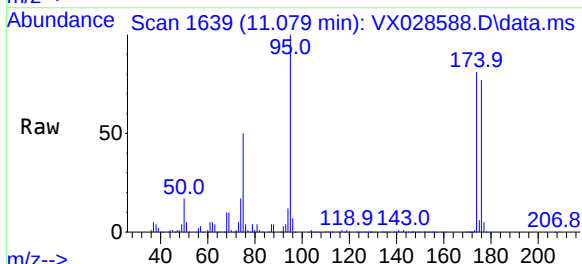
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

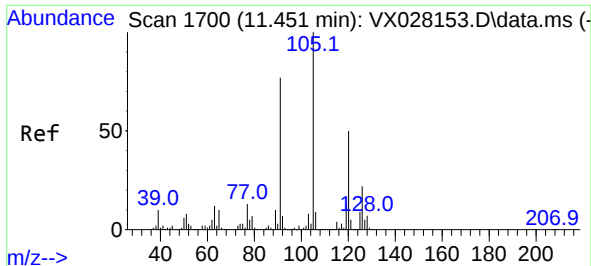
Tgt Ion:152 Resp: 346262
Ion Ratio Lower Upper
152 100
115 56.5 37.5 112.7
150 156.1 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 26.895 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 75 Resp: 183279
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

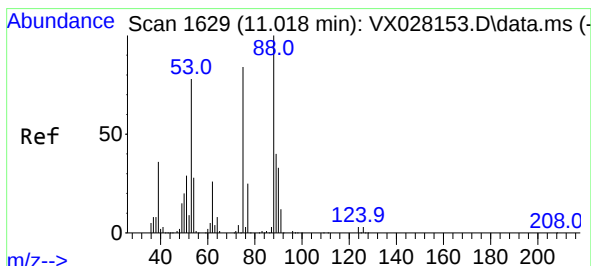
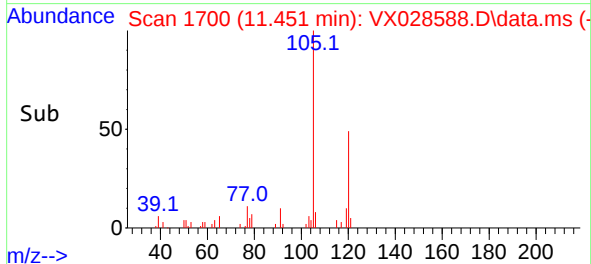
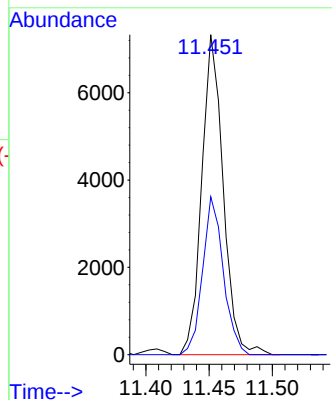
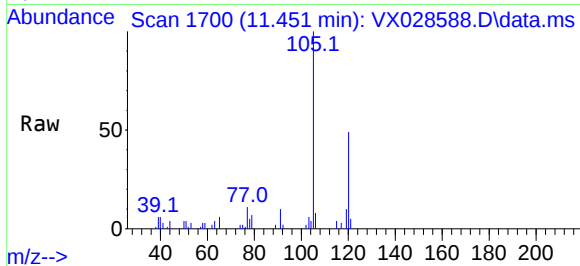




#80
1,3,5-Trimethylbenzene
Concen: 0.428 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#01

Tgt Ion:105 Resp: 8648
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 79.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028588.D
Acq: 10 May 2022 12:29

Tgt Ion: 75 Resp: 183279
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

