

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028789.D
 Acq On : 18 May 2022 04:09
 Operator : JC/MD
 Sample : N2879-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-0516

Quant Time: May 18 07:15:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

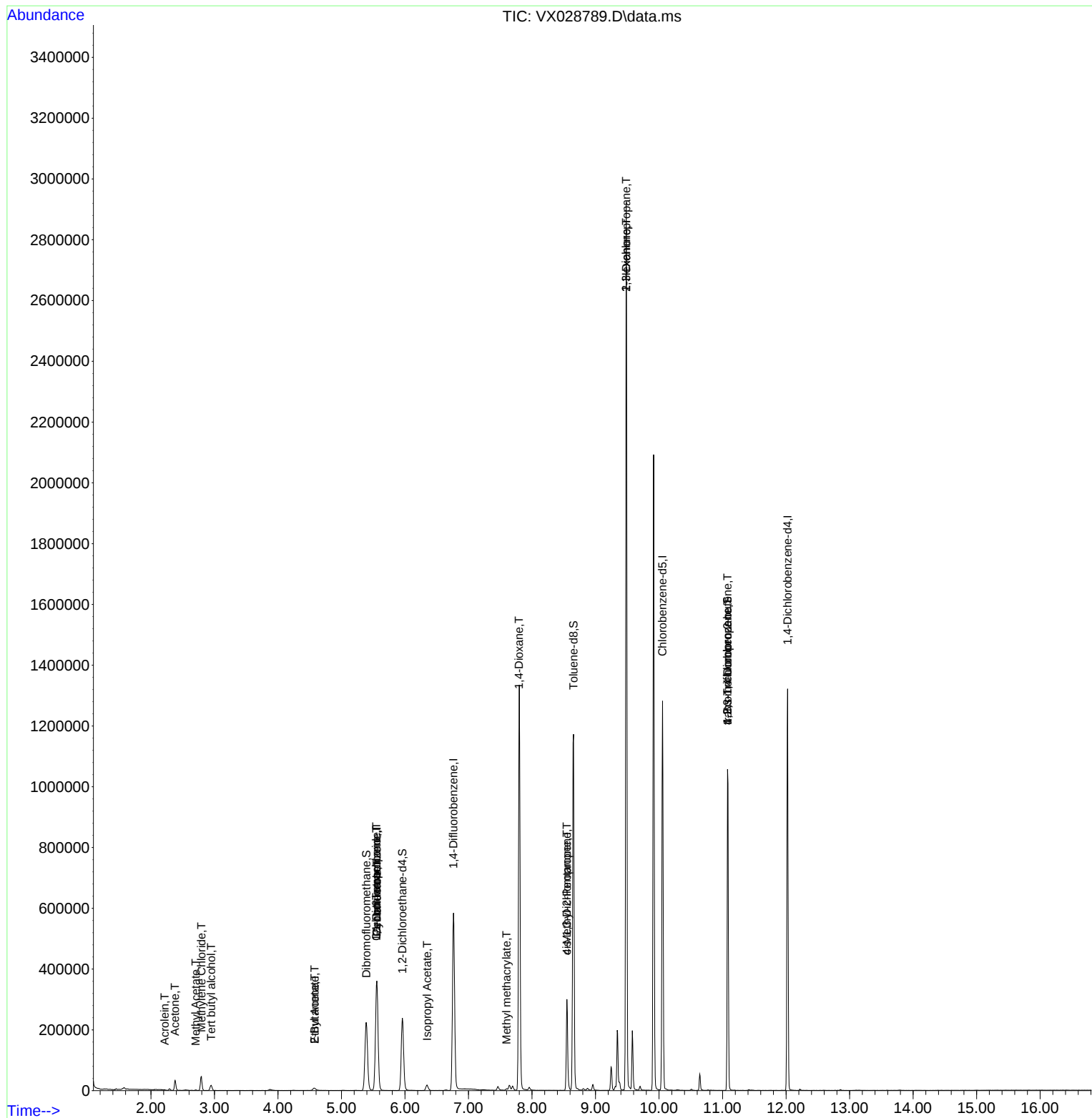
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	329626	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	586244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	557758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	263105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	239203	52.940	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.880%	
35) Dibromofluoromethane	5.391	113	195085	50.790	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.580%	
50) Toluene-d8	8.653	98	699111	48.277	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	11.079	95	280686	51.894	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.780%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	572	Below Cal	#	59
6) Chloroethane	1.642	64	254	Below Cal		91
11) Tert butyl alcohol	2.947	59	9855	2.374	ug/l #	75
13) Acrolein	2.215	56	149	0.201	ug/l #	1
16) Acetone	2.380	43	34399	17.739	ug/l	92
18) Methyl Acetate	2.703	43	2318	0.477	ug/l	96
20) Methylene Chloride	2.794	84	20473	5.032	ug/l	95
25) 2-Butanone	4.574	43	7203	2.366	ug/l	96
31) Cyclohexane	5.556	56	7498	1.196	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	27769	4.813	ug/l #	50
37) Ethyl Acetate	4.574	43	7203	1.195	ug/l #	68
38) Carbon Tetrachloride	5.550	117	35233	6.069	ug/l #	15
43) Isopropyl Acetate	6.348	43	24765	2.627	ug/l	97
48) Methyl methacrylate	7.598	41	7278	1.598	ug/l #	7
49) 1,4-Dioxane	7.793	88	247	2.171	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	101677	16.375	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	48172	7.464	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	25974	3.541	ug/l #	43
59) 2-Hexanone	9.482	43	334918	69.424	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	150748	24.465	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	150748	71.207	ug/l #	15

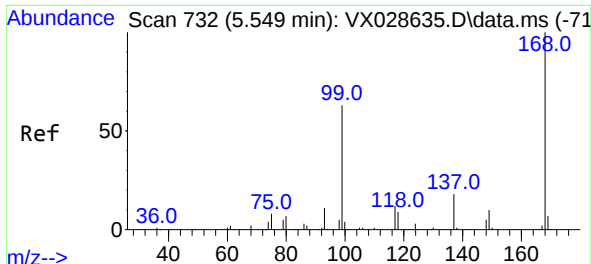
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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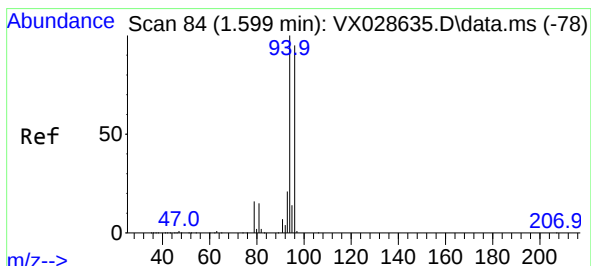
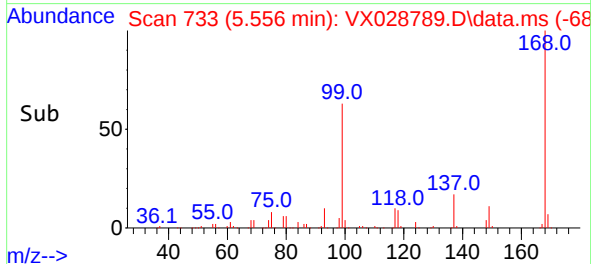
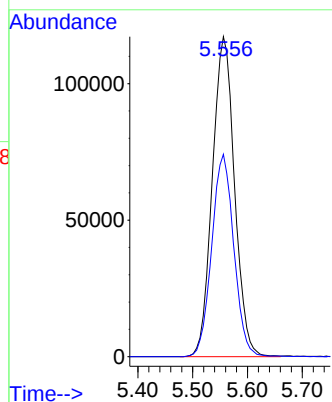
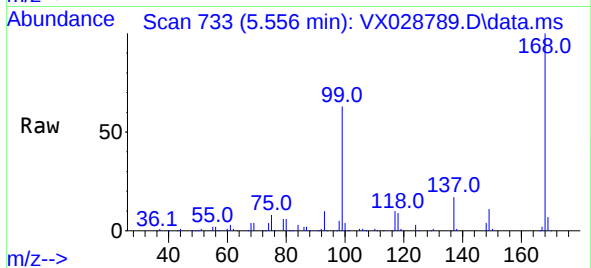




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

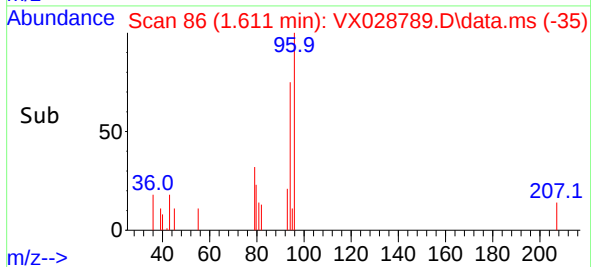
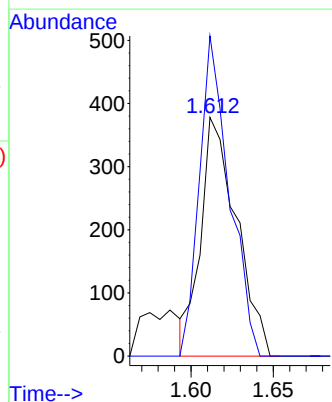
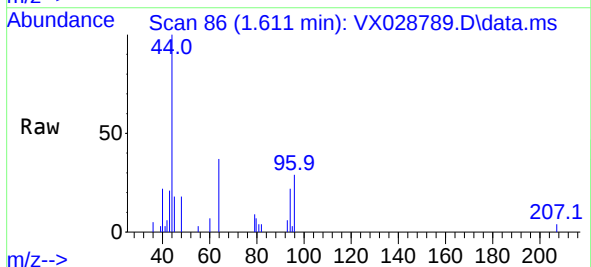
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

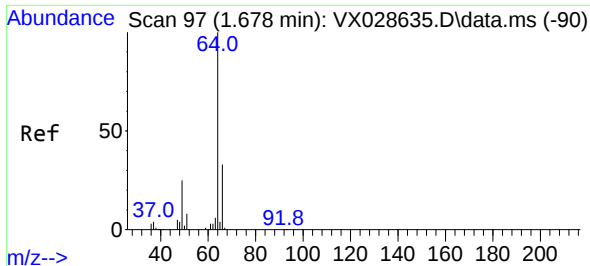
Tgt Ion:168 Resp: 329626
Ion Ratio Lower Upper
168 100
99 63.2 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 134.1 75.3 112.9#

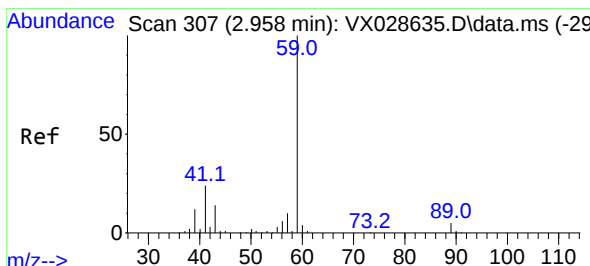
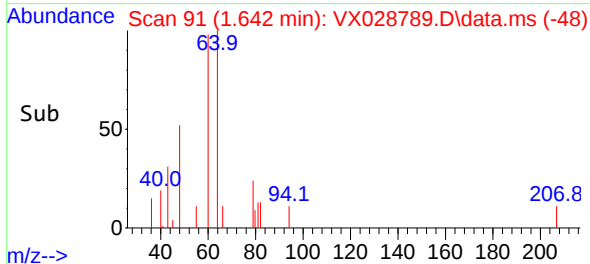
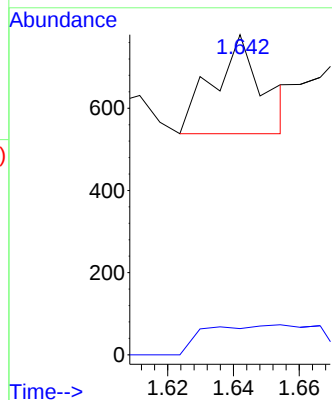
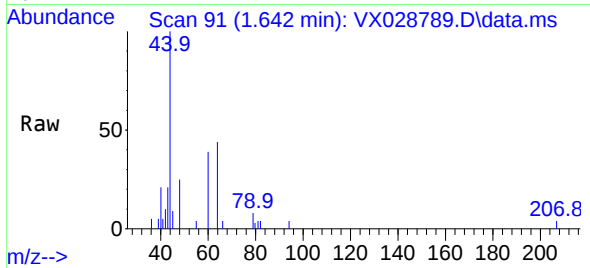




#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

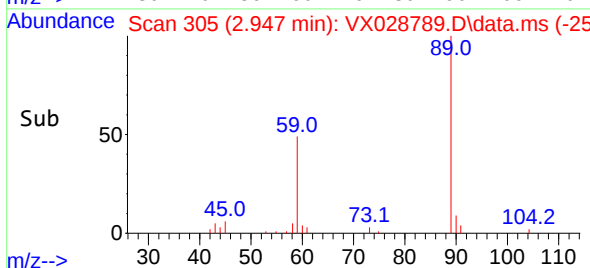
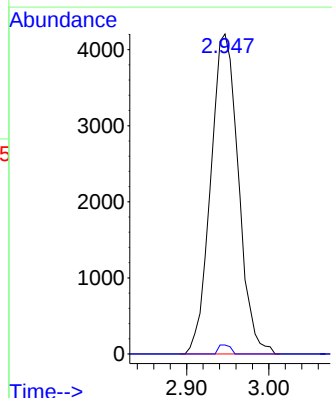
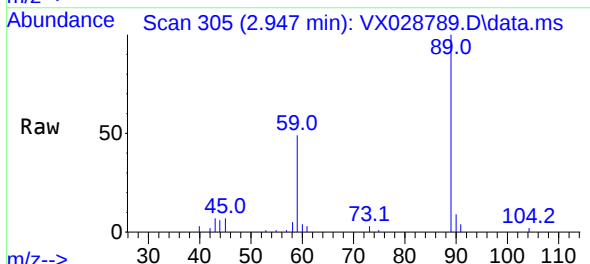
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

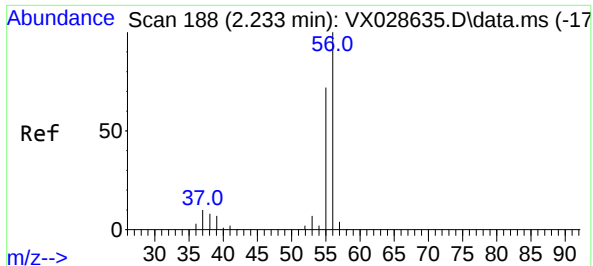
Tgt Ion: 64 Resp: 254
Ion Ratio Lower Upper
64 100
66 26.6 25.3 37.9



#11
Tert butyl alcohol
Concen: 2.374 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 59 Resp: 9855
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#

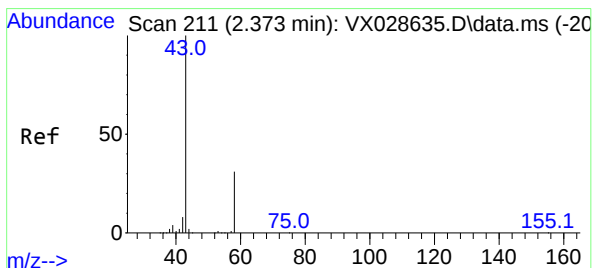
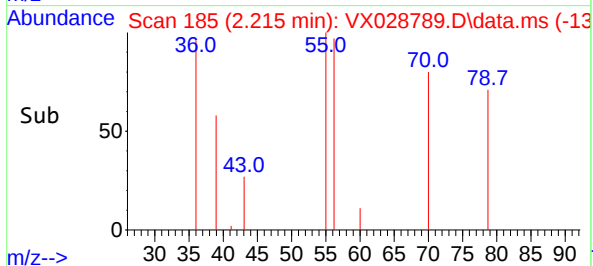
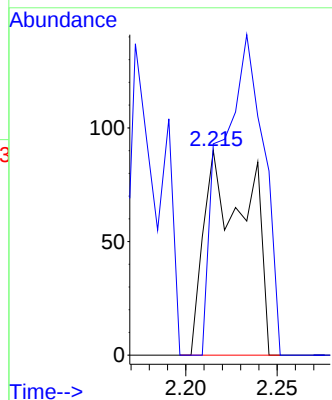
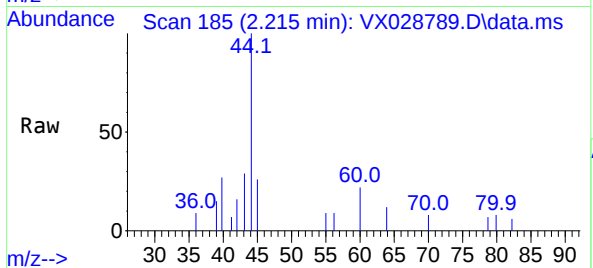




#13
Acrolein
Concen: 0.201 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

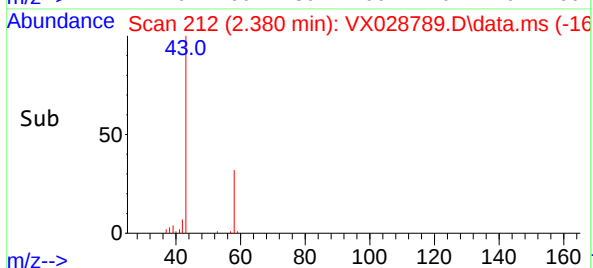
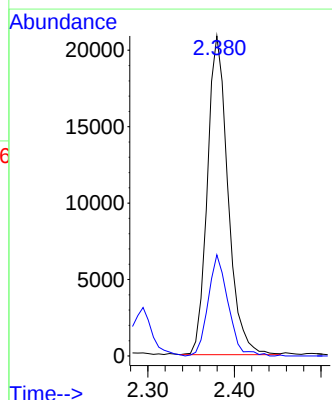
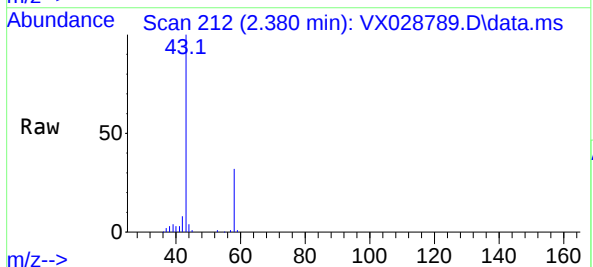
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

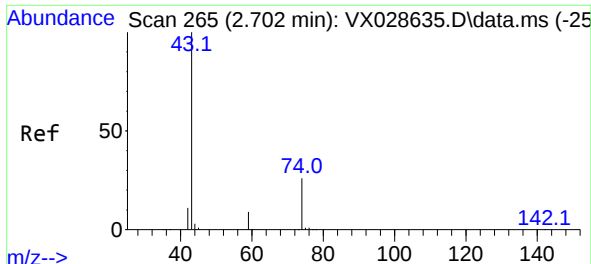
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 152.3 55.0 82.6#



#16
Acetone
Concen: 17.739 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 43 Resp: 34399
Ion Ratio Lower Upper
43 100
58 31.4 28.8 43.2

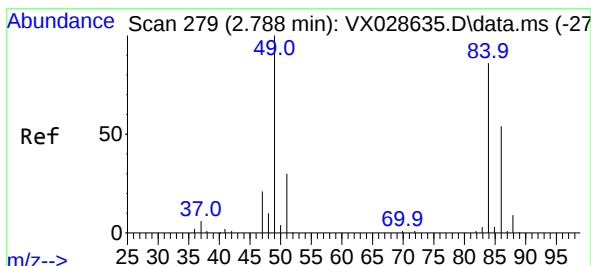
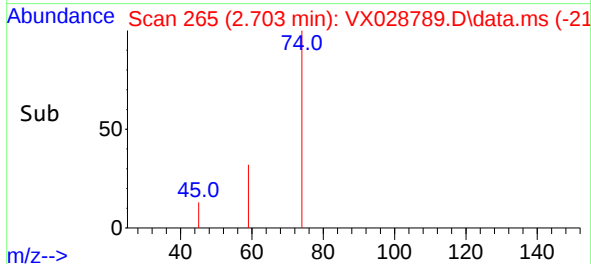
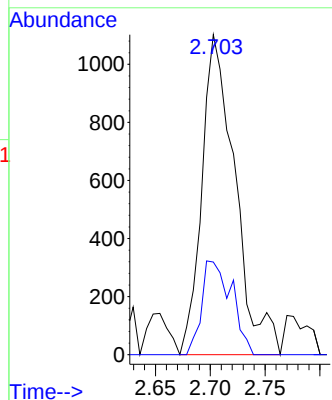
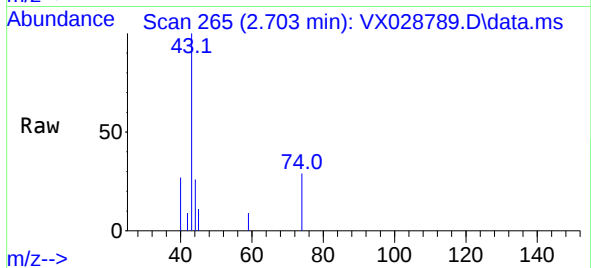




#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

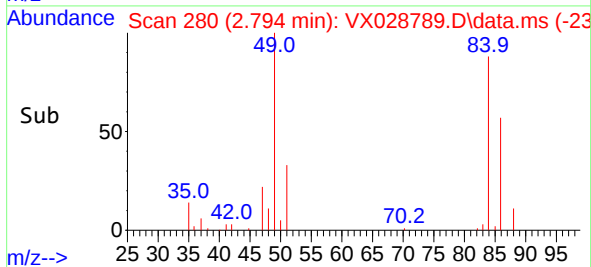
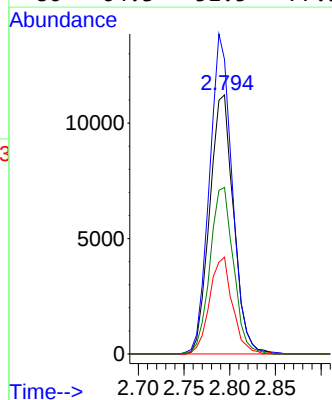
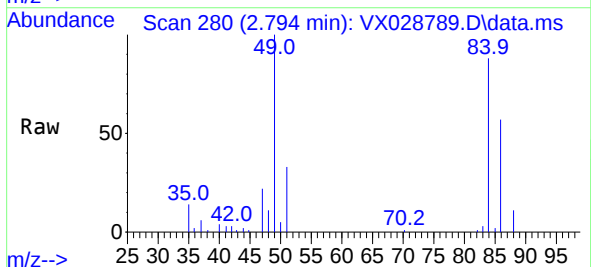
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

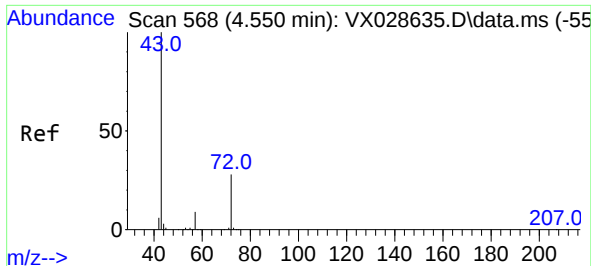
Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
74 26.5 22.8 34.2



#20
Methylene Chloride
Concen: 5.032 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 84 Resp: 20473
Ion Ratio Lower Upper
84 100
49 113.6 85.5 128.3
51 37.3 26.6 39.8
86 64.3 51.5 77.3

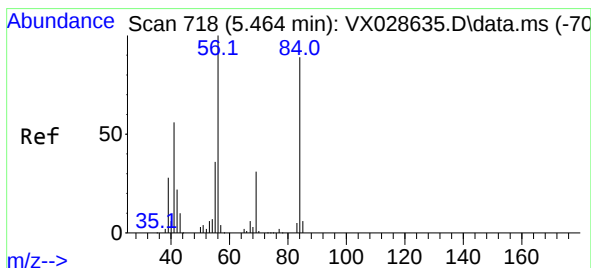
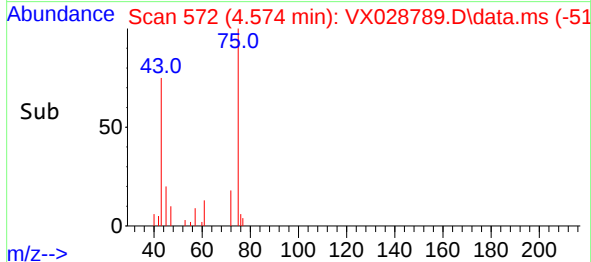
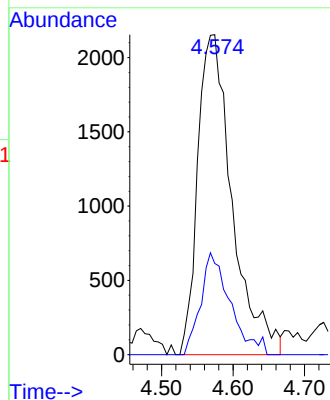
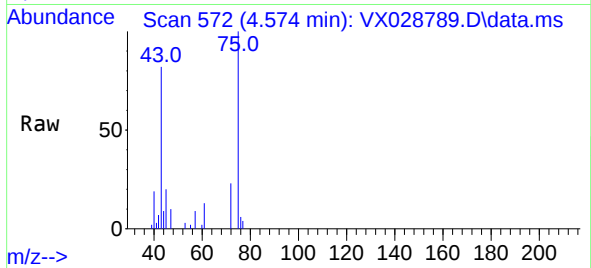




#25
2-Butanone
Concen: 2.366 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

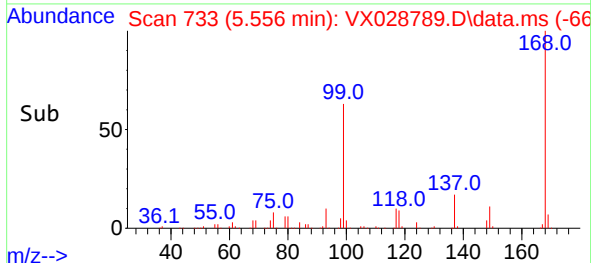
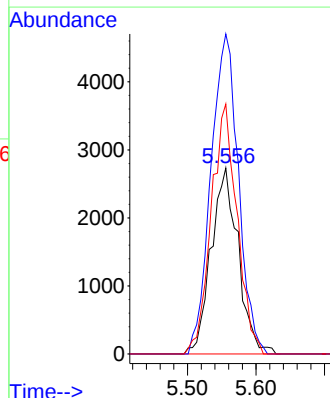
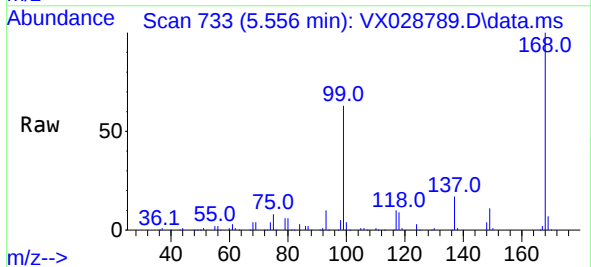
Instrument :
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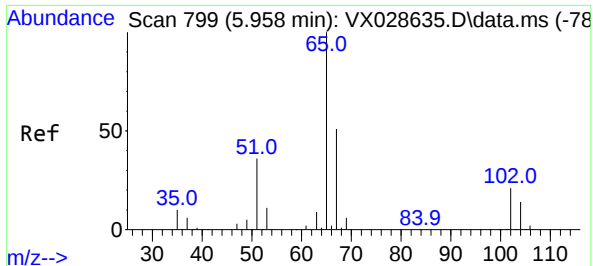
Tgt Ion: 43 Resp: 7203
Ion Ratio Lower Upper
43 100
72 28.5 24.4 36.6



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 56 Resp: 7498
Ion Ratio Lower Upper
56 100
69 172.2 26.7 40.1#
84 134.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 52.940 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

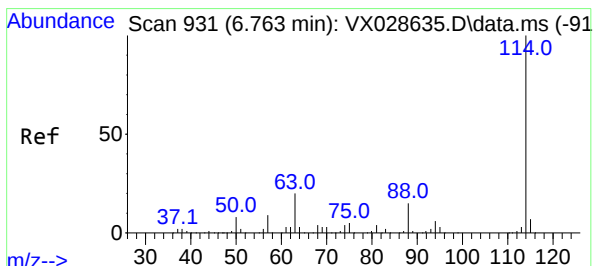
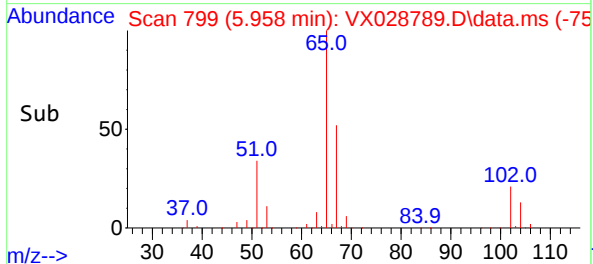
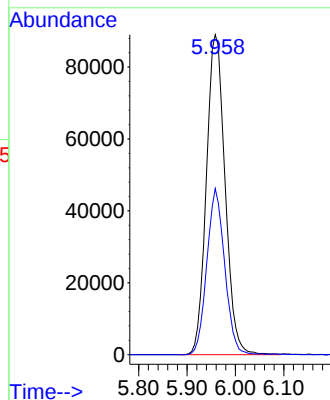
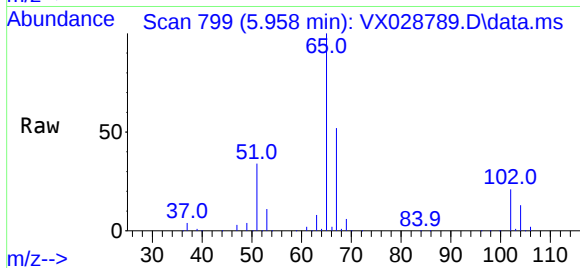
TP-4-0516

Tgt Ion: 65 Resp: 239203

Ion Ratio Lower Upper

65 100

67 49.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

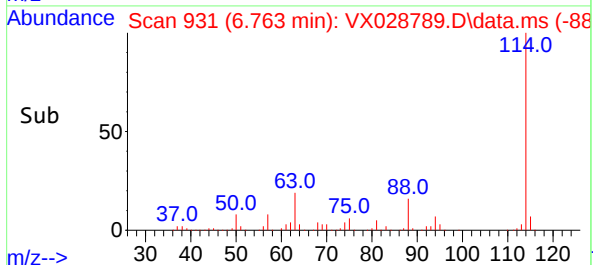
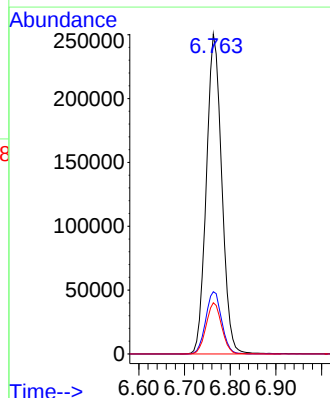
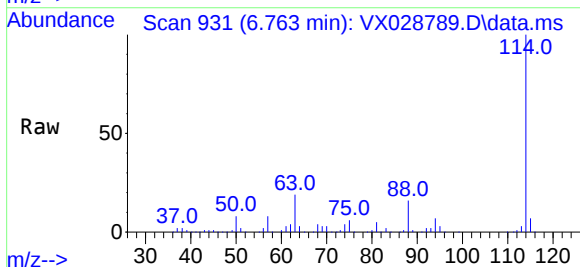
Tgt Ion: 114 Resp: 586244

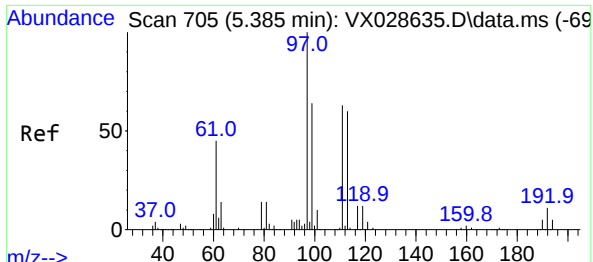
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 16.0 0.0 32.4

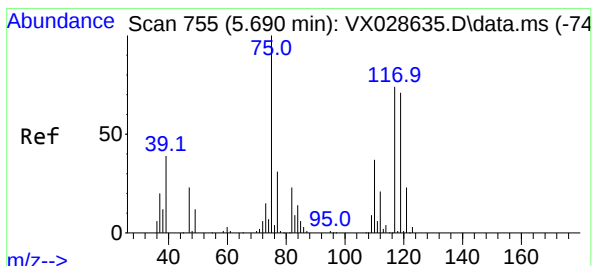
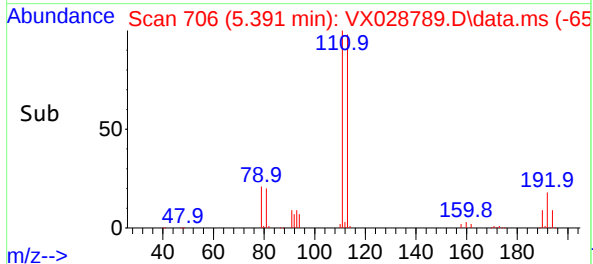
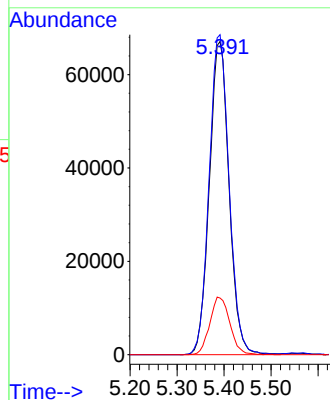
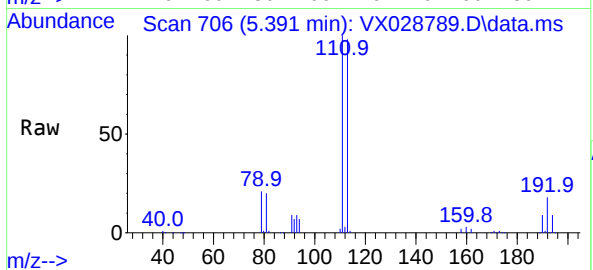




#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

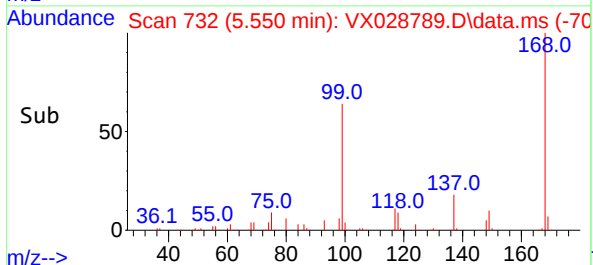
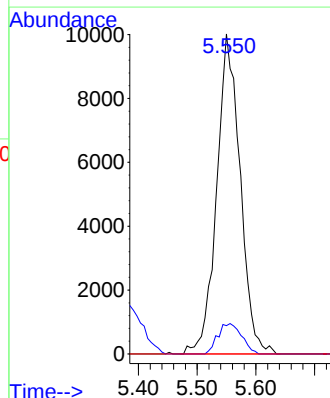
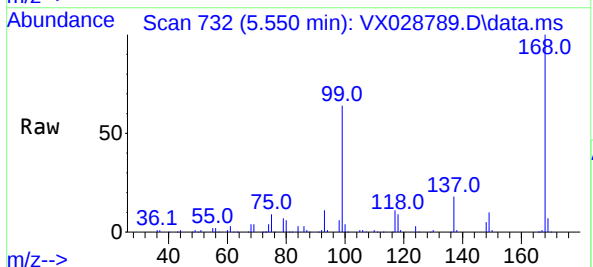
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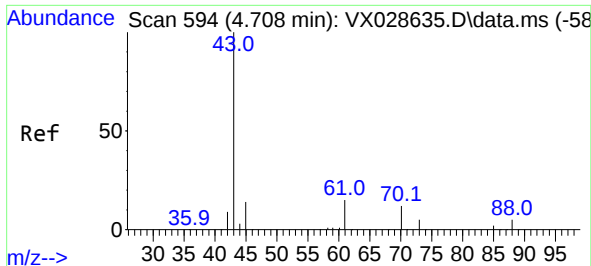
Tgt Ion:113 Resp: 195085
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.813 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 75 Resp: 27769
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.195 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

TP-4-0516

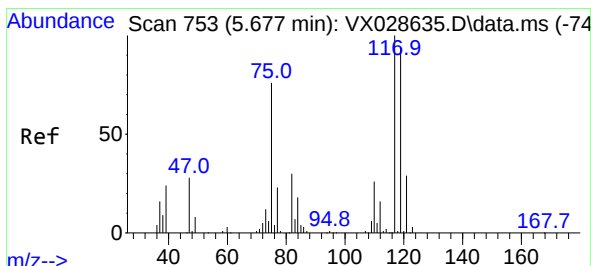
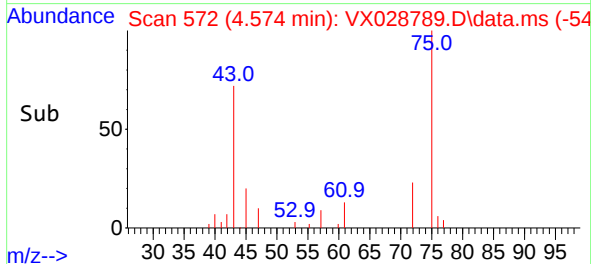
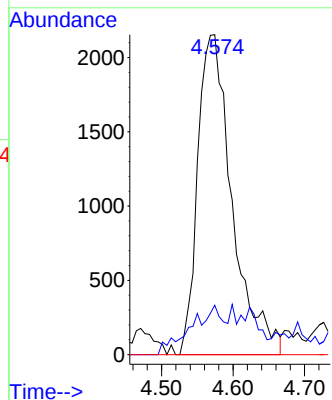
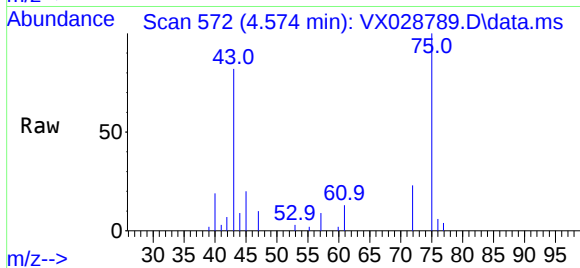
Tgt Ion: 43 Resp: 7203

Ion Ratio Lower Upper

43 100

61 2.7 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

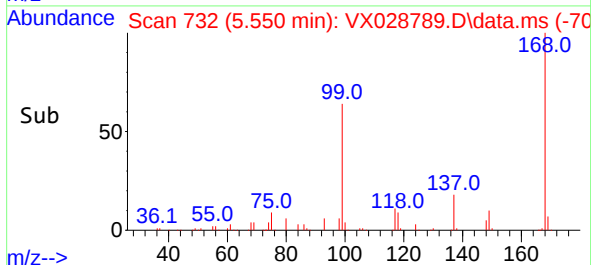
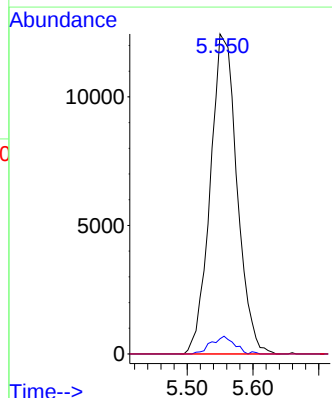
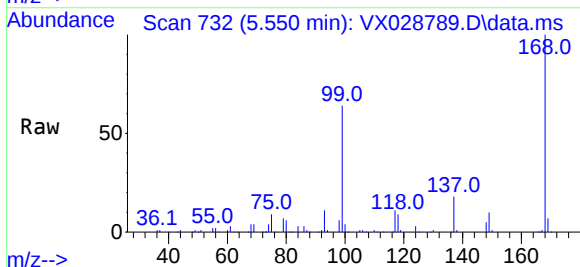
Tgt Ion: 117 Resp: 35233

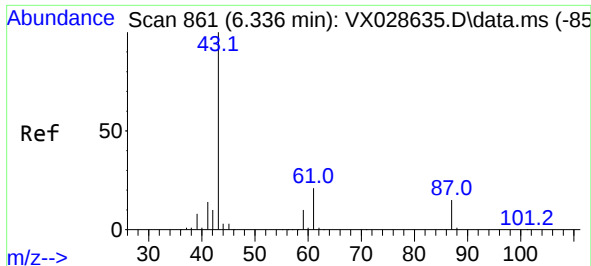
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 24.2 36.2#

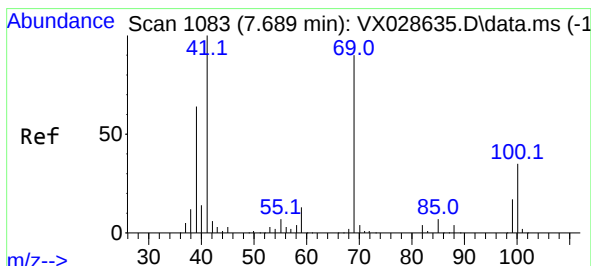
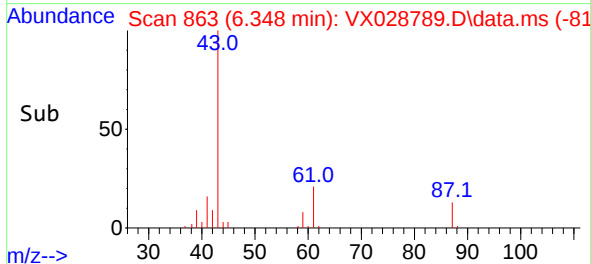
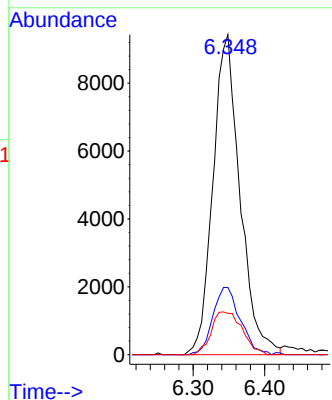
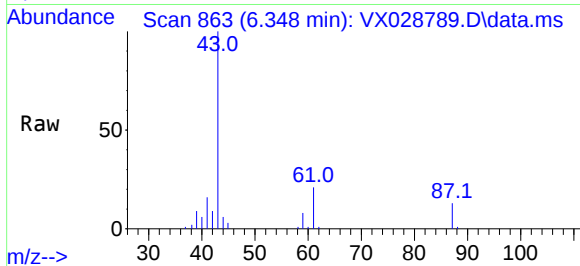




#43
Isopropyl Acetate
Concen: 2.627 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

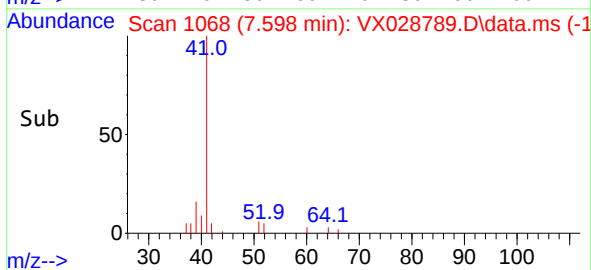
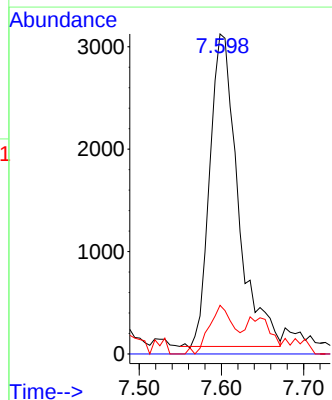
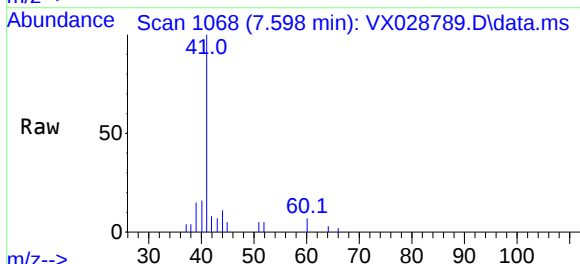
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

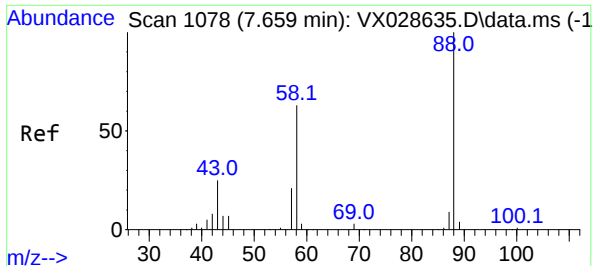
Tgt Ion: 43 Resp: 24765
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 15.3 13.0 19.6



#48
Methyl methacrylate
Concen: 1.598 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 41 Resp: 7278
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: 2.171 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

TP-4-0516

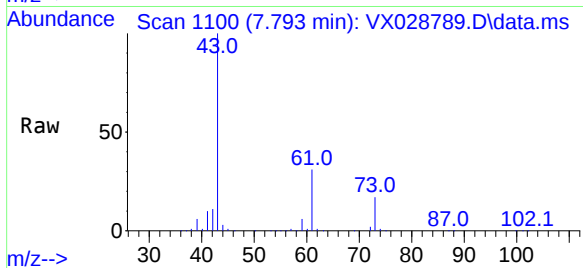
Tgt Ion: 88 Resp: 247

Ion Ratio Lower Upper

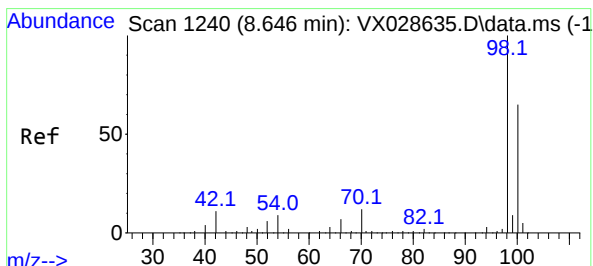
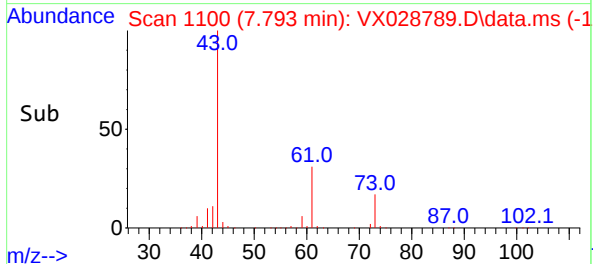
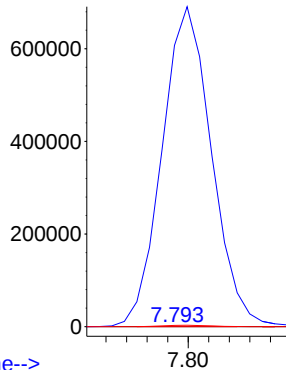
88 100

43 471709.3 21.9 32.9#

58 2089.5 53.7 80.5#



Abundance



#50

Toluene-d8

Concen: 48.277 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028789.D

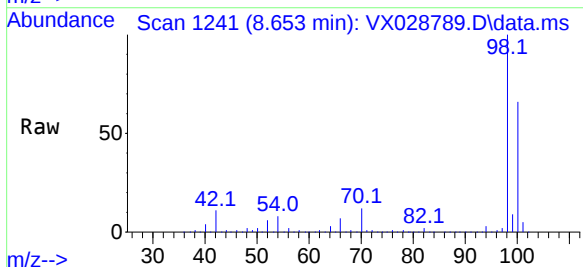
Acq: 18 May 2022 04:09

Tgt Ion: 98 Resp: 699111

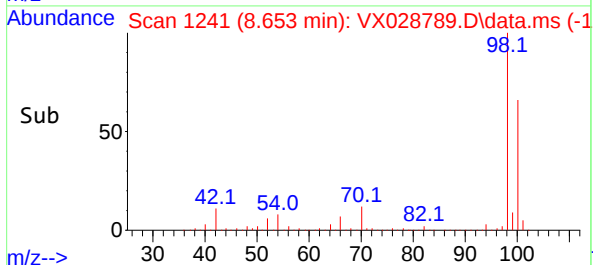
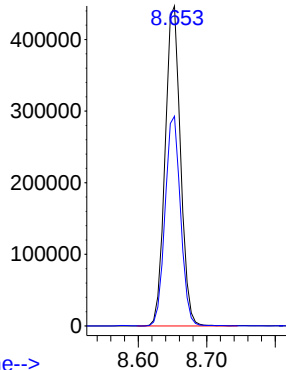
Ion Ratio Lower Upper

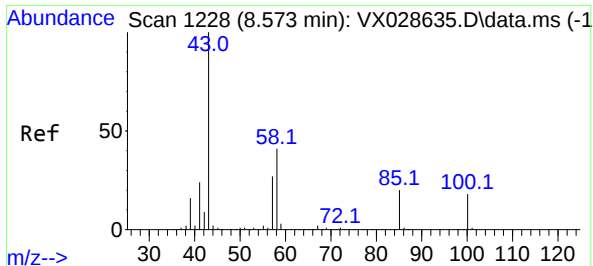
98 100

100 65.8 52.6 78.8



Abundance





#51

4-Methyl-2-Pentanone

Concen: 16.375 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

Instrument :

MSVOA_X

ClientSampleId :

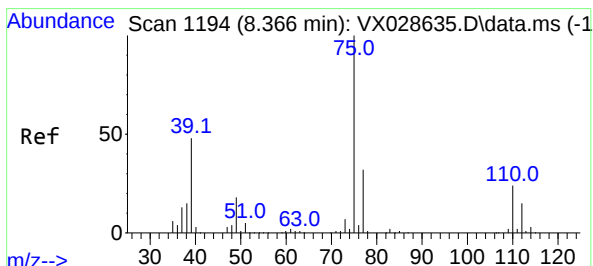
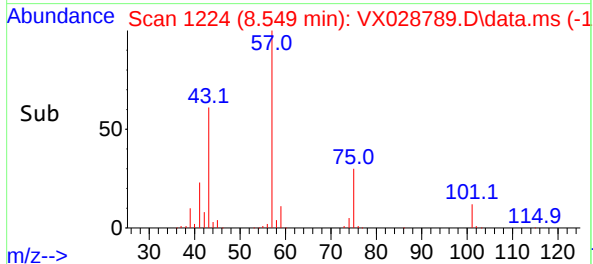
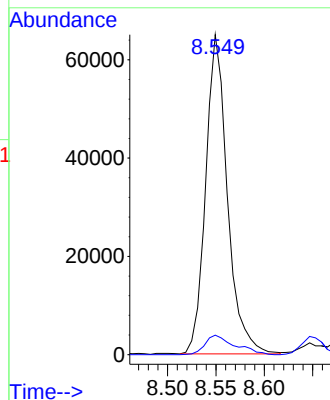
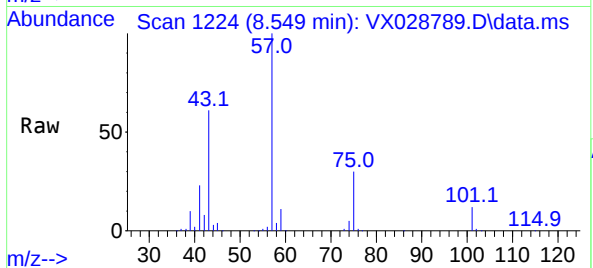
TP-4-0516

Tgt Ion: 43 Resp: 101677

Ion Ratio Lower Upper

43 100

58 8.4 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.464 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028789.D

Acq: 18 May 2022 04:09

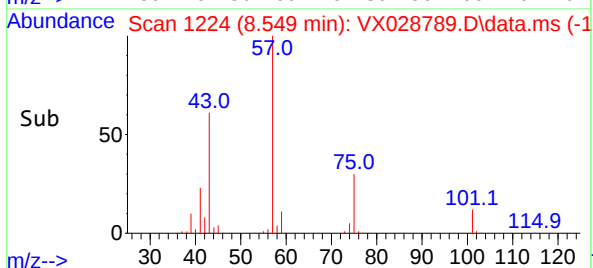
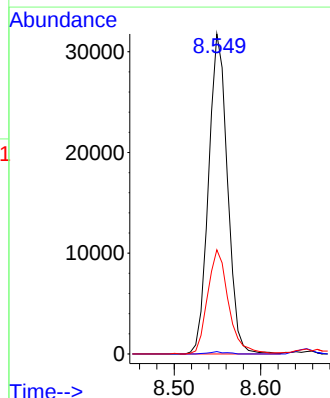
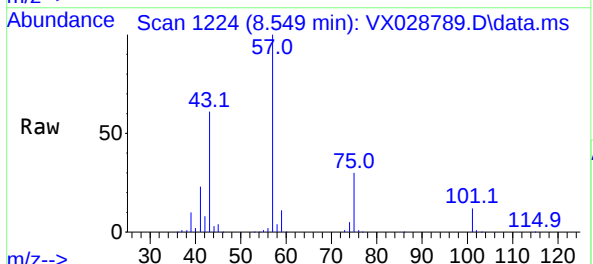
Tgt Ion: 75 Resp: 48172

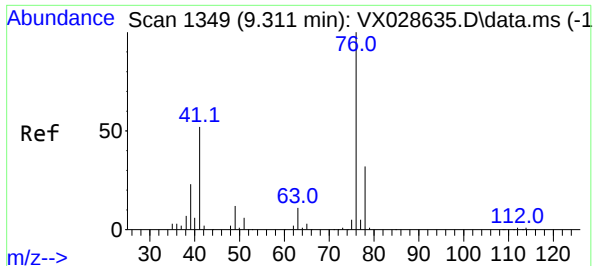
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 32.6 29.6 44.4

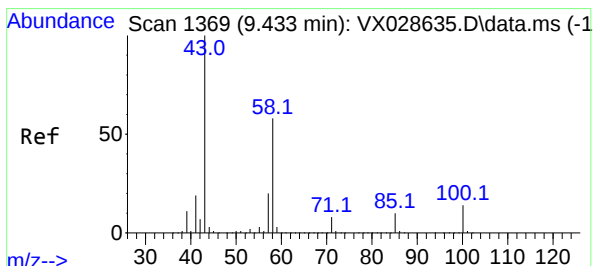
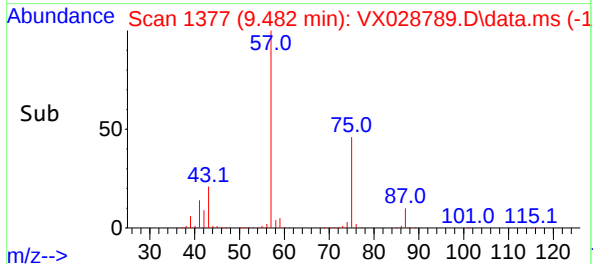
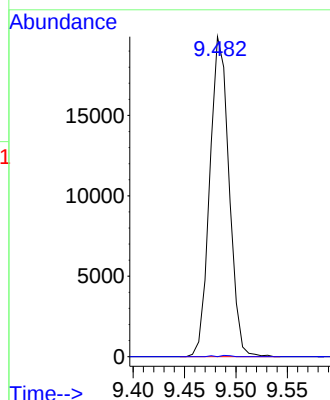
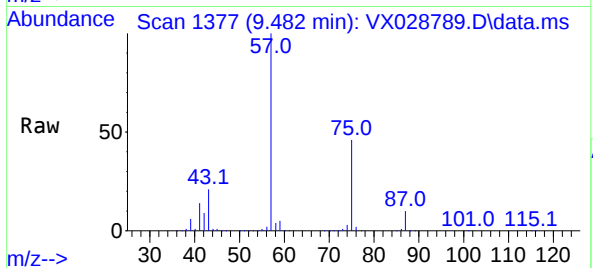




#57
1,3-Dichloropropane
Concen: 3.541 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

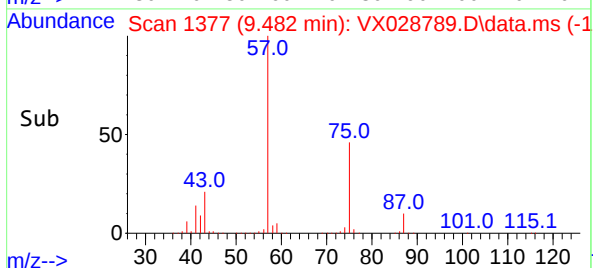
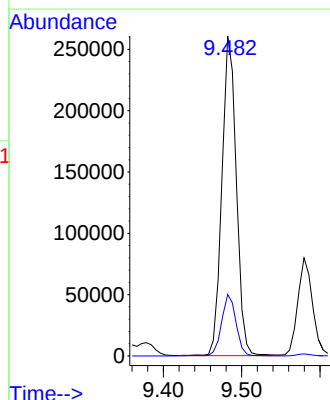
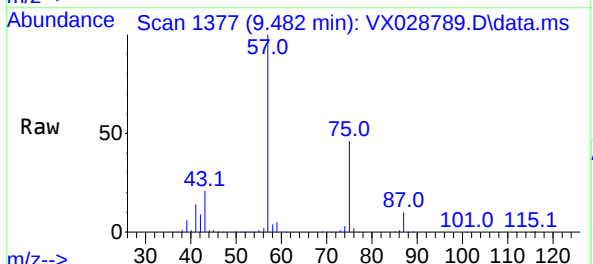
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

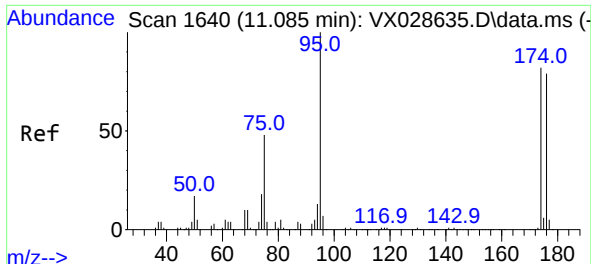
Tgt Ion: 76 Resp: 25974
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#



#59
2-Hexanone
Concen: 69.424 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Tgt Ion: 43 Resp: 334918
Ion Ratio Lower Upper
43 100
58 19.3 31.9 95.7#

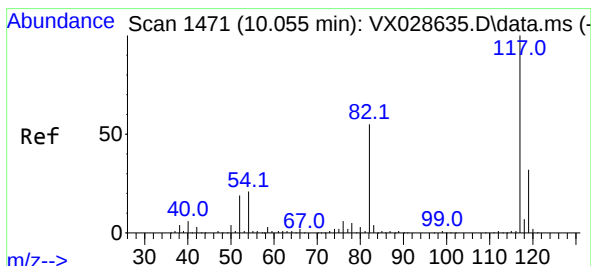
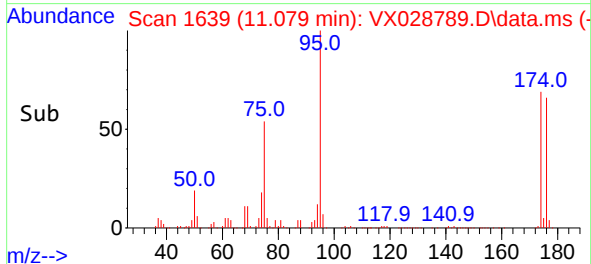
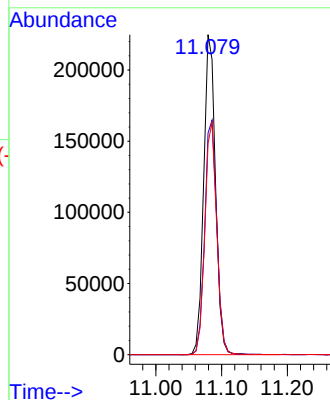
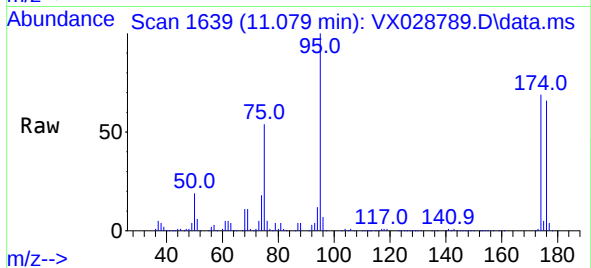




#62
4-Bromofluorobenzene
Concen: 51.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

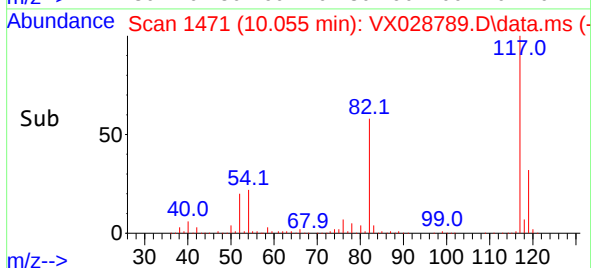
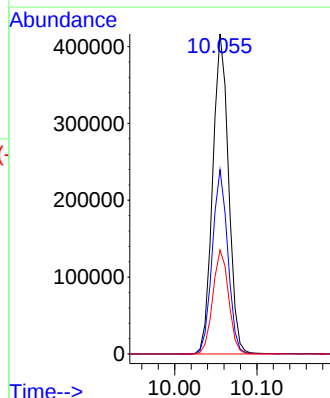
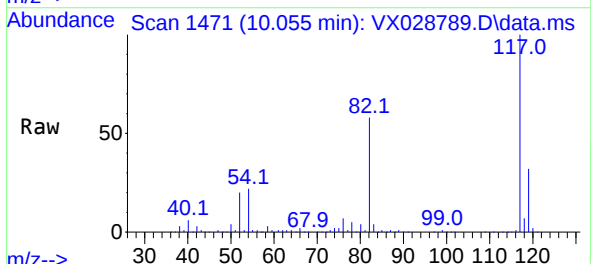
Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

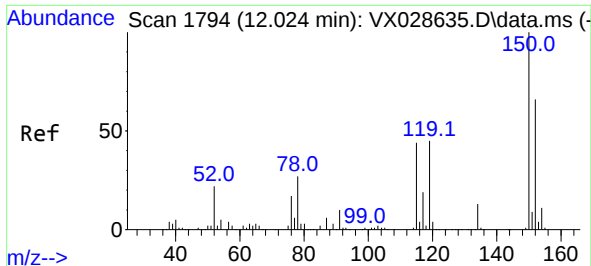
Tgt Ion: 95 Resp: 280686
Ion Ratio Lower Upper
95 100
174 75.3 0.0 163.0
176 72.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

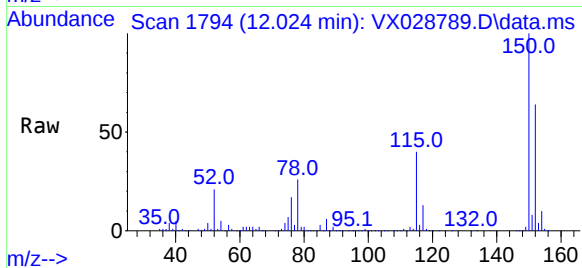
Tgt Ion: 117 Resp: 557758
Ion Ratio Lower Upper
117 100
82 57.6 41.8 62.8
119 32.4 24.8 37.2



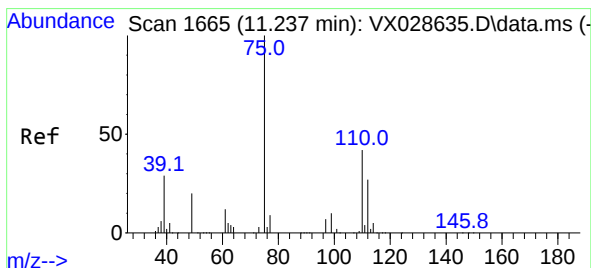
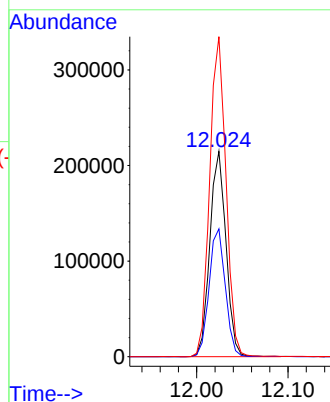
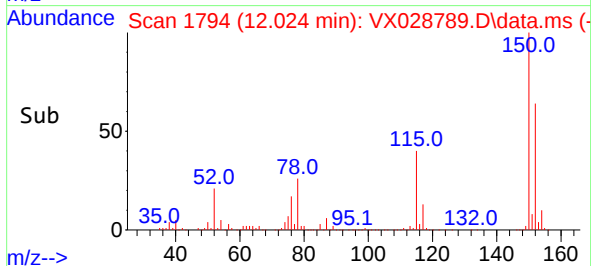


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

Instrument :
MSVOA_X
ClientSampleId :
TP-4-0516

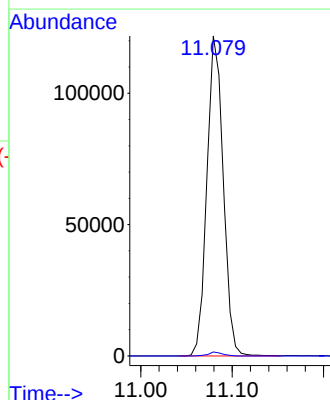
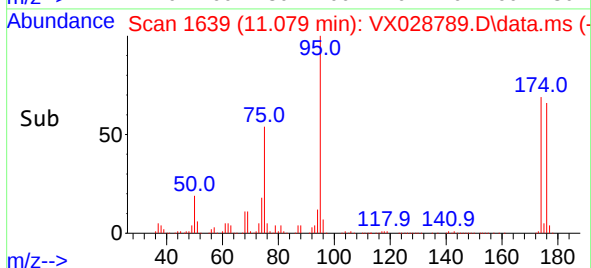
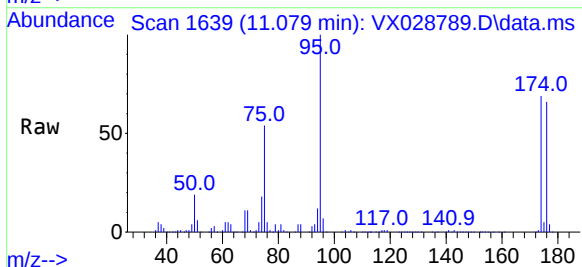


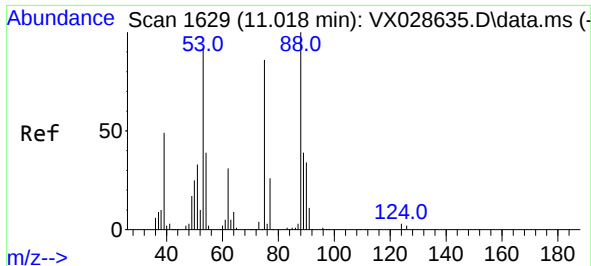
Tgt Ion:152 Resp: 263105
Ion Ratio Lower Upper
152 100
115 62.5 37.5 112.7
150 157.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028789.D
Acq: 18 May 2022 04:09

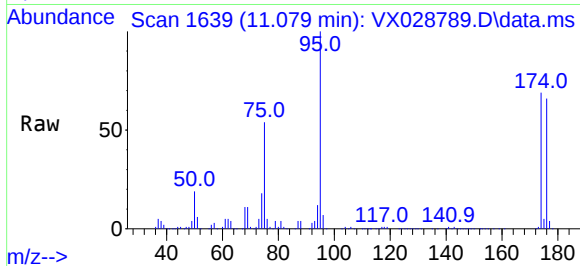
Tgt Ion: 75 Resp: 150748
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.207 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028789.D
 Acq: 18 May 2022 04:09

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4-0516



Tgt Ion: 75 Resp: 150748
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

