

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028829.D
 Acq On : 19 May 2022 16:42
 Operator : JC/MD
 Sample : N2879-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0516

Quant Time: May 19 17:52:49 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)

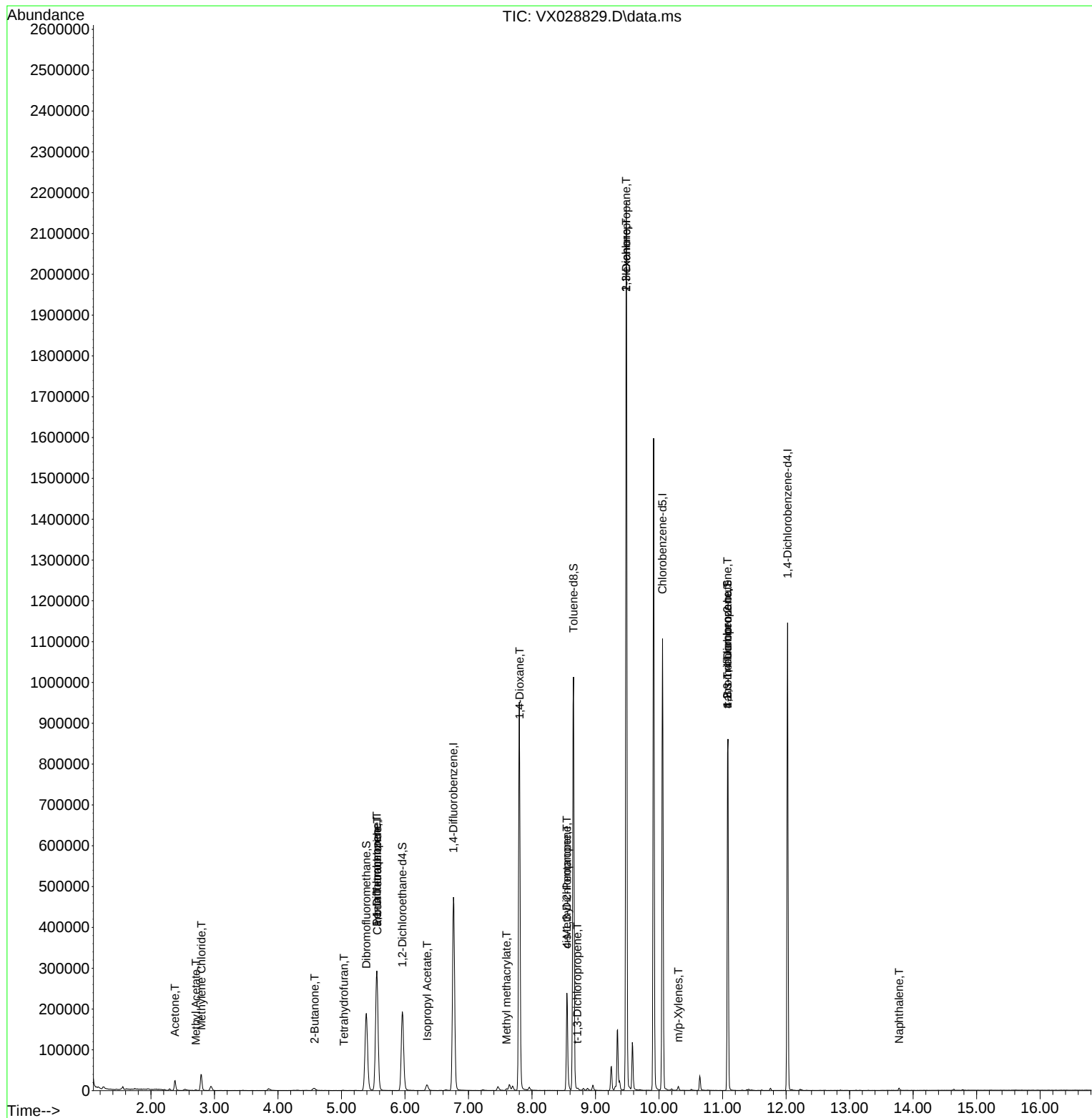
Internal Standards						
1) Pentafluorobenzene	5.556	168	270189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	485888	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186176	50.268	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.540%			
35) Dibromofluoromethane	5.391	113	161544	50.745	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.480%			
50) Toluene-d8	8.653	98	587358	48.937	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.880%			
62) 4-Bromofluorobenzene	11.079	95	226395	50.502	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.000%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	519	Below Cal	#	52
6) Chloroethane	1.672	64	196	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	6062	Below Cal	#	73
16) Acetone	2.380	43	26074	16.404	ug/l	95
18) Methyl Acetate	2.709	43	1595	0.401	ug/l	93
20) Methylene Chloride	2.794	84	17537	5.259	ug/l	97
25) 2-Butanone	4.574	43	5173	2.073	ug/l	90
29) Tetrahydrofuran	5.038	42	361	0.223	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	23122	4.836	ug/l #	49
38) Carbon Tetrachloride	5.562	117	28527	5.928	ug/l #	15
43) Isopropyl Acetate	6.348	43	19094	2.444	ug/l	93
48) Methyl methacrylate	7.598	41	6166	1.634	ug/l #	7
49) 1,4-Dioxane	7.805	88	155	1.644	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79721	15.490	ug/l #	44
53) t-1,3-Dichloropropene	8.714	75	44	1.649	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37385	6.989	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	20078	3.302	ug/l #	42
59) 2-Hexanone	9.482	43	247301	61.850	ug/l #	44
68) m/p-Xylenes	10.305	106	2224	0.316	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	120748	23.678	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	120748	69.041	ug/l #	15
95) Naphthalene	13.780	128	3681	0.238	ug/l	99

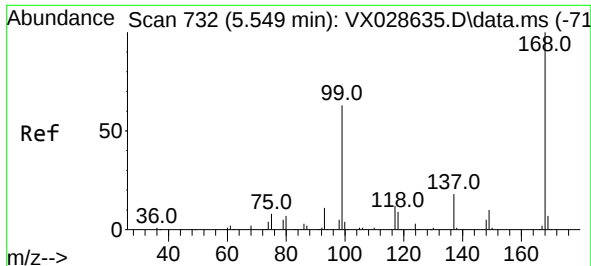
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

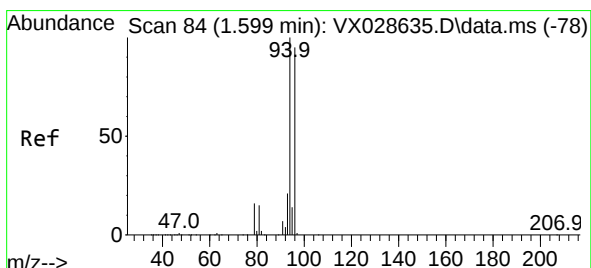
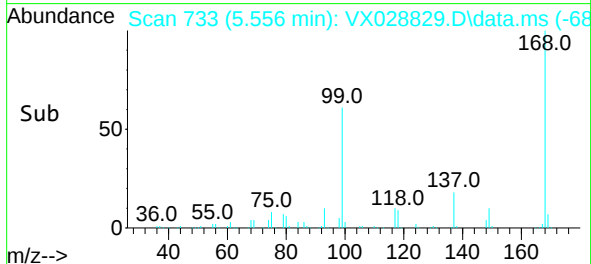
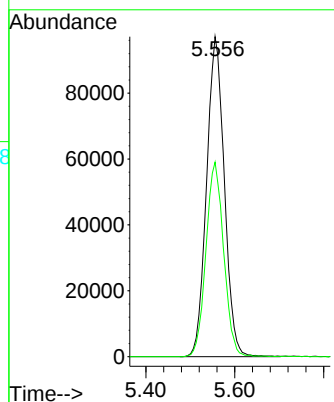
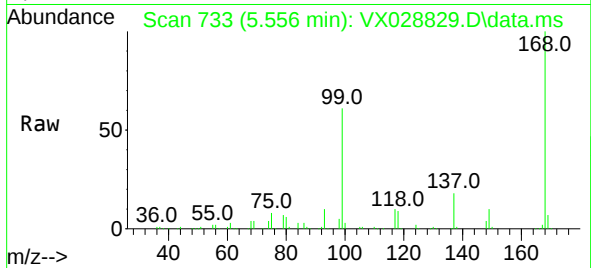




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

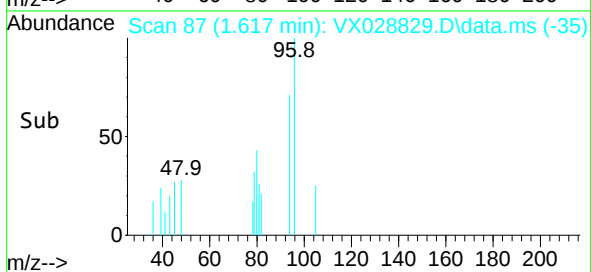
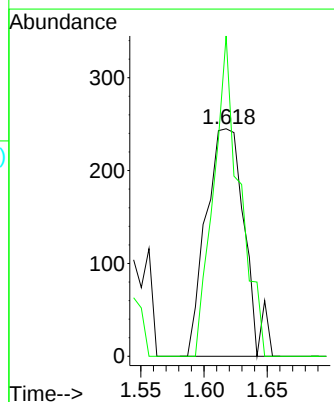
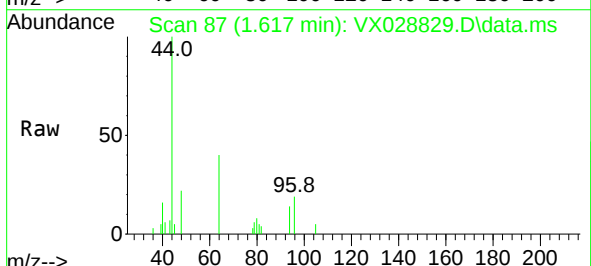
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

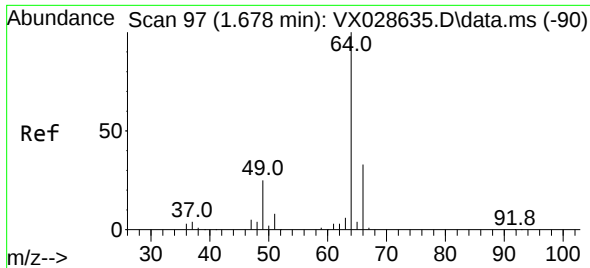
Tgt Ion:168 Resp: 270189
Ion Ratio Lower Upper
168 100
99 60.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion: 94 Resp: 519
Ion Ratio Lower Upper
94 100
96 140.8 75.3 112.9#

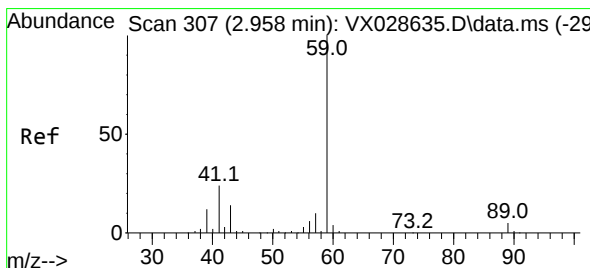
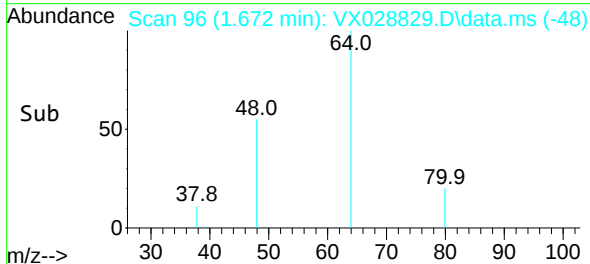
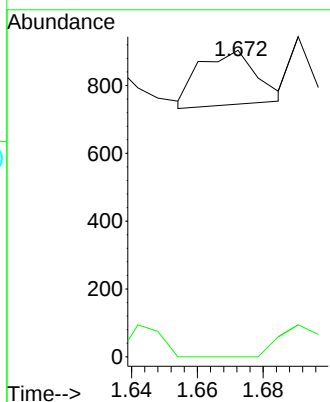
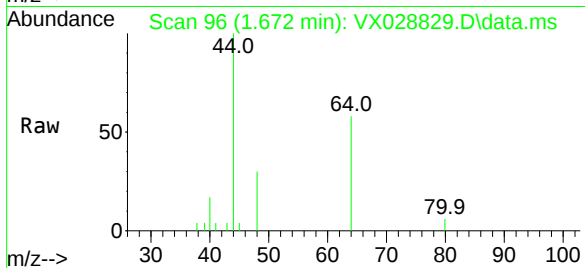




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

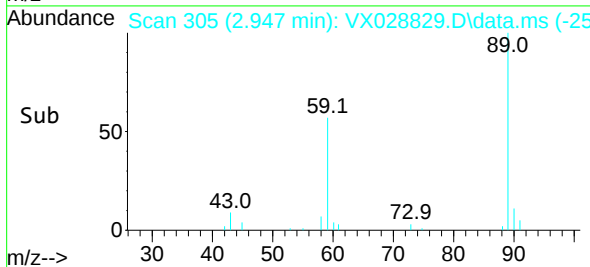
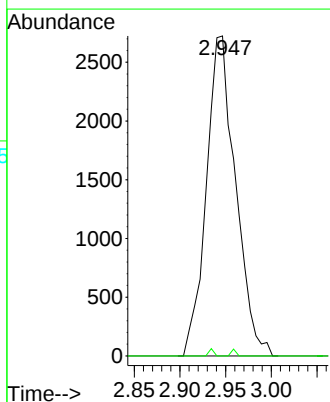
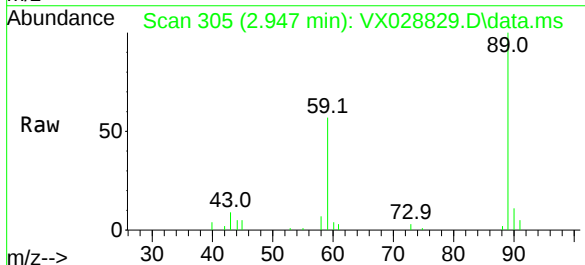
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

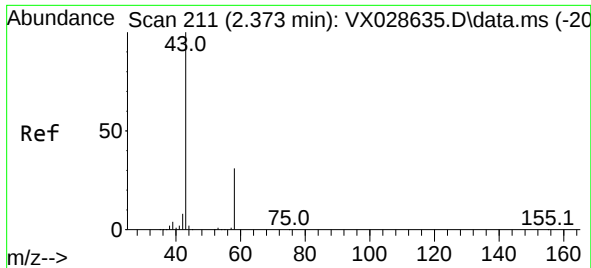
Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion: 59 Resp: 6062
Ion Ratio Lower Upper
59 100
57 0.4 8.3 12.5#





#16

Acetone

Concen: 16.404 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.007 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

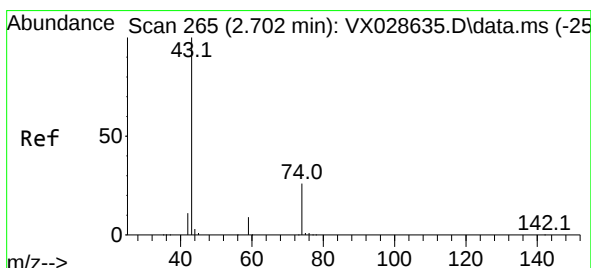
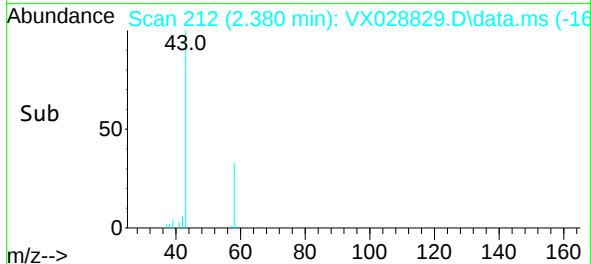
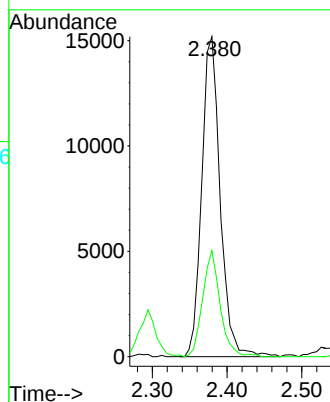
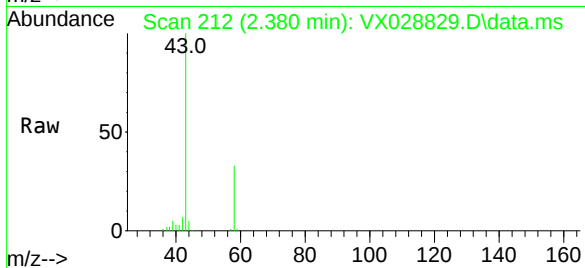
TP1-0516

Tgt Ion: 43 Resp: 26074

Ion Ratio Lower Upper

43 100

58 33.1 28.8 43.2



#18

Methyl Acetate

Concen: 0.401 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.007 min

Lab File: VX028829.D

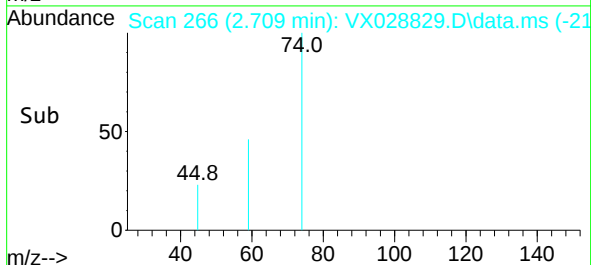
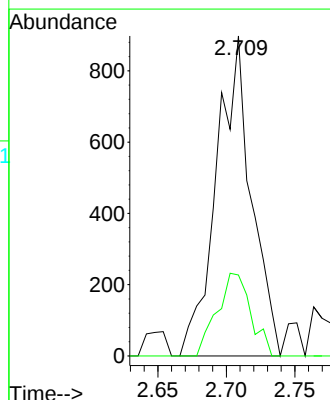
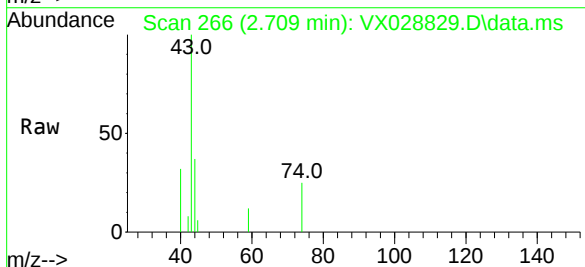
Acq: 19 May 2022 16:42

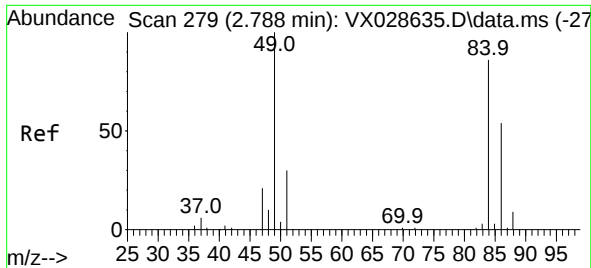
Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

74 24.8 22.8 34.2

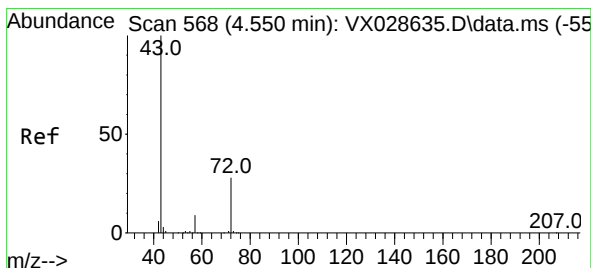
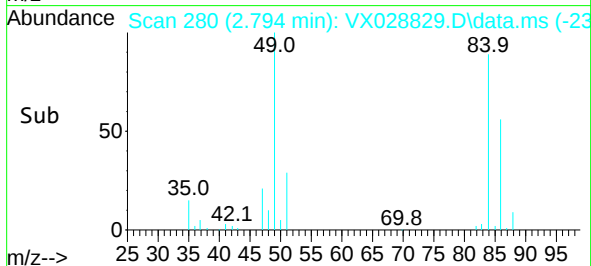
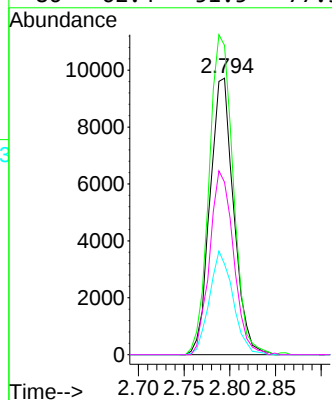
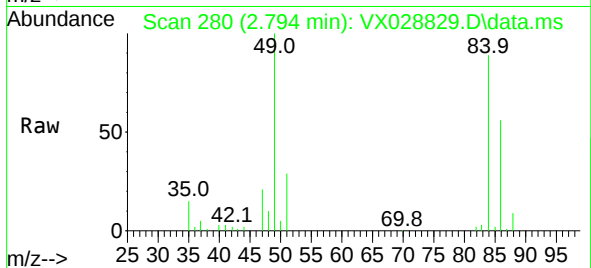




#20
Methylene Chloride
Concen: 5.259 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

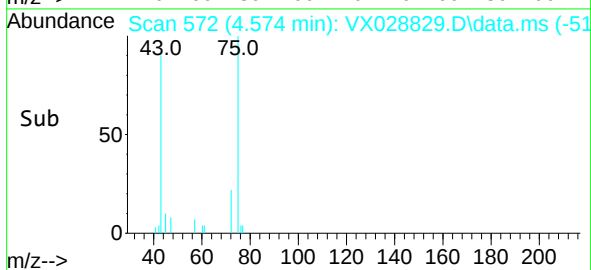
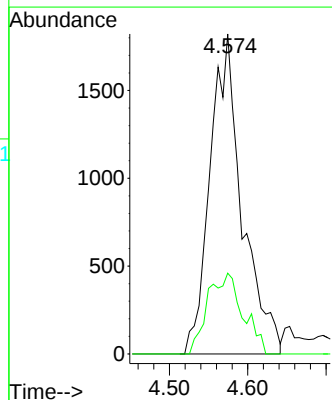
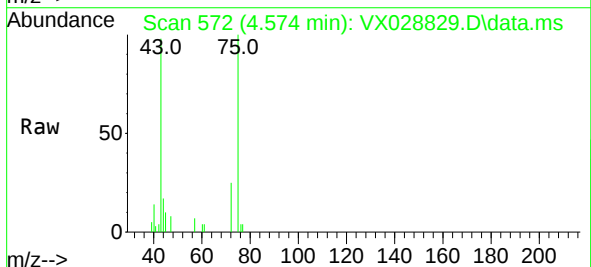
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

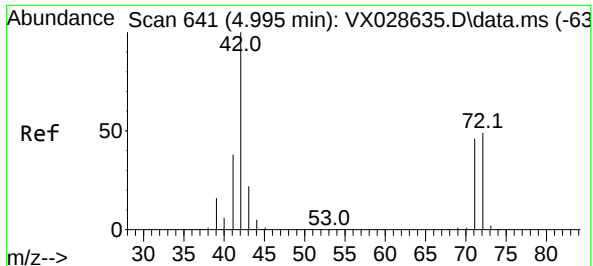
Tgt Ion: 84	Resp: 17537
Ion Ratio	Lower Upper
84 100	
49 111.9	85.5 128.3
51 32.8	26.6 39.8
86 62.4	51.5 77.3



#25
2-Butanone
Concen: 2.073 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion: 43	Resp: 5173
Ion Ratio	Lower Upper
43 100	
72 25.2	24.4 36.6





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

TP1-0516

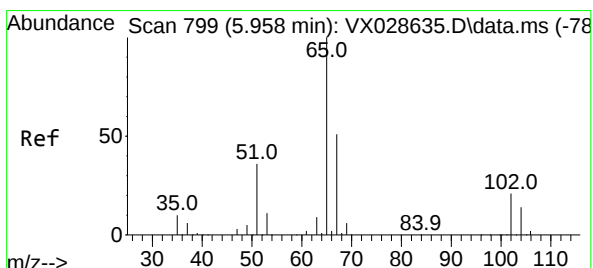
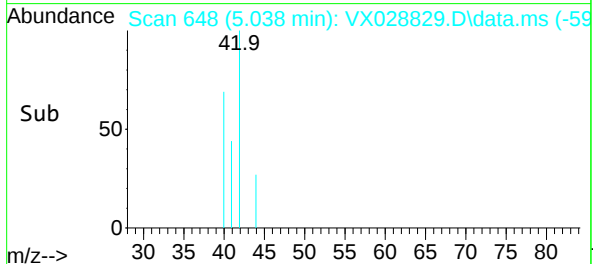
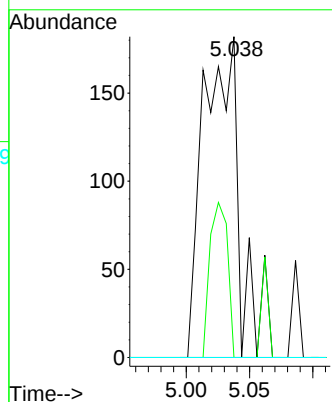
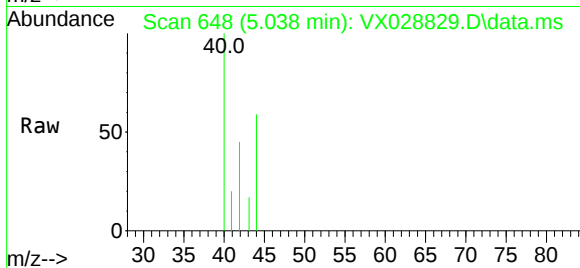
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 23.8 44.1 66.1#

71 0.0 40.5 60.7#



#33

1,2-Dichloroethane-d4

Concen: 50.268 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028829.D

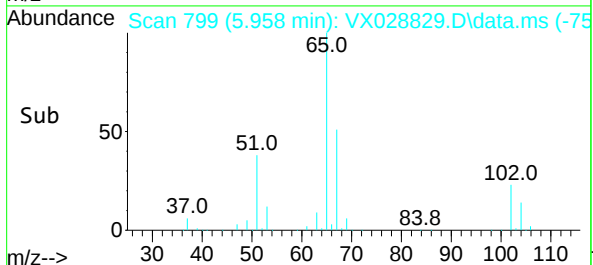
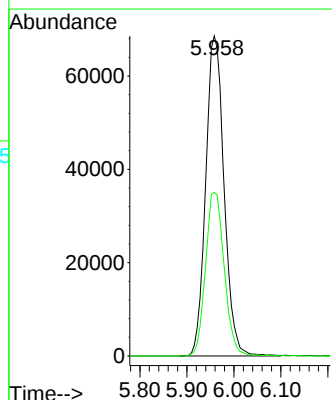
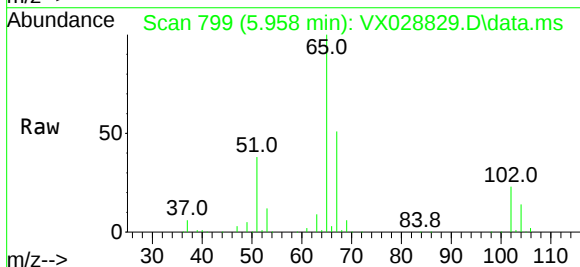
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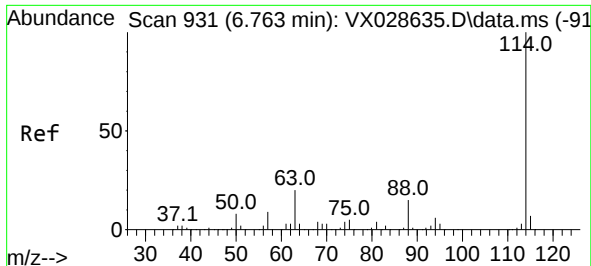
Tgt Ion: 65 Resp: 186176

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4

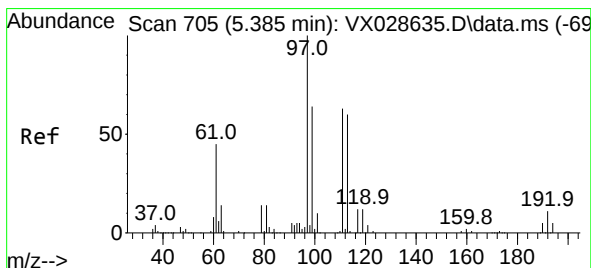
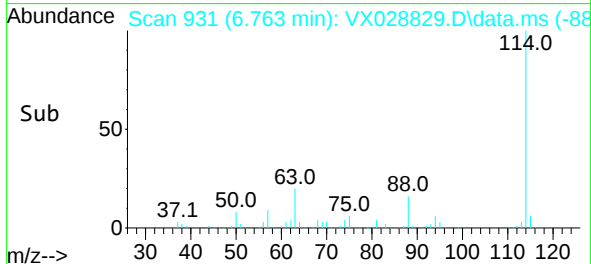
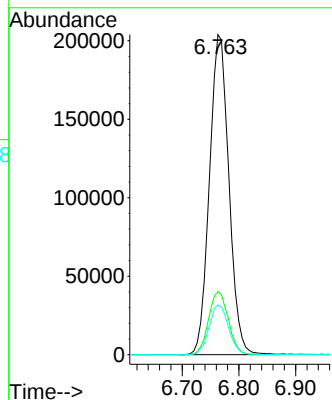
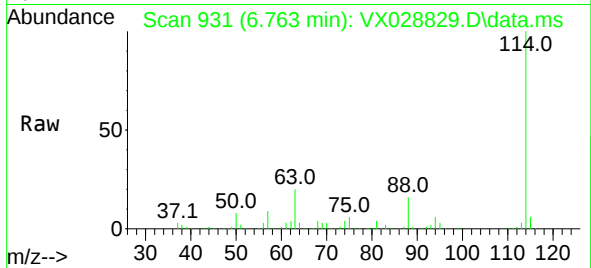




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

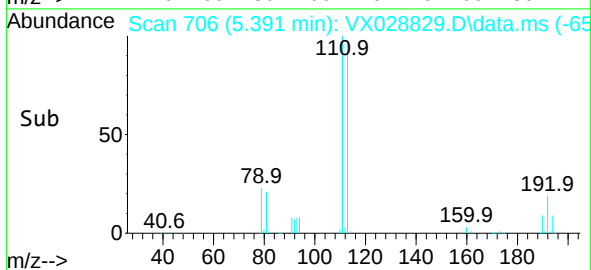
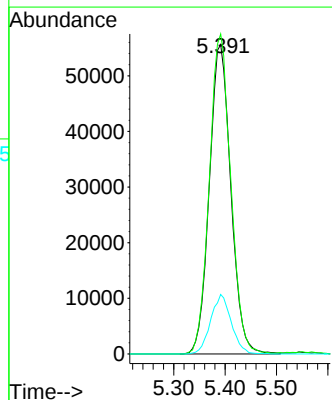
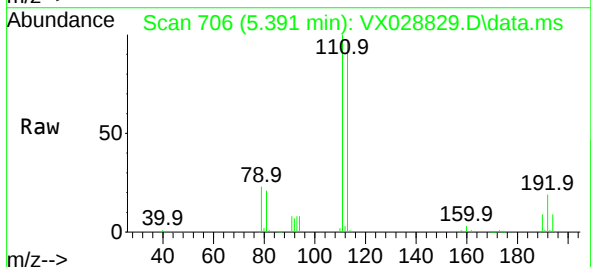
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TP1-0516

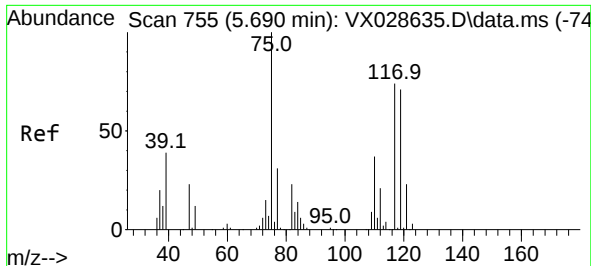
Tgt Ion:114 Resp: 485888
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion:113 Resp: 161544
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 18.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

TP1-0516

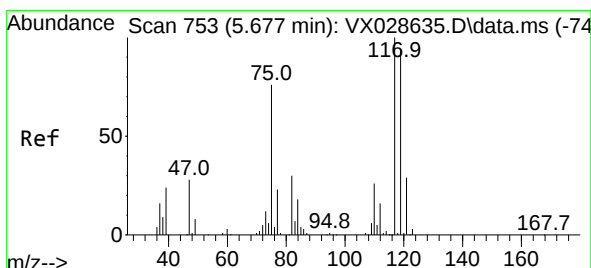
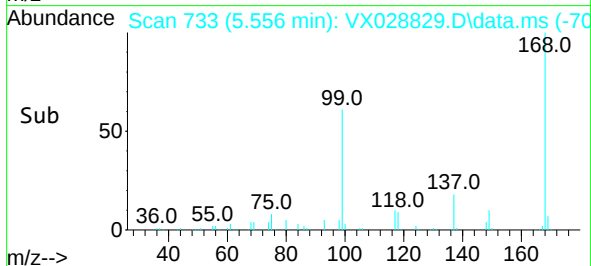
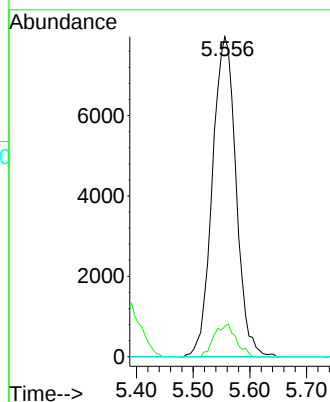
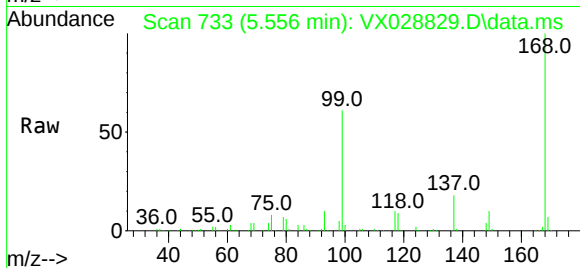
Tgt Ion: 75 Resp: 23122

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.115 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

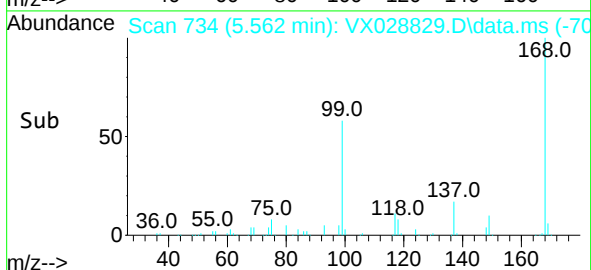
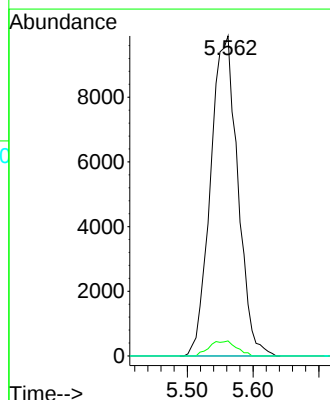
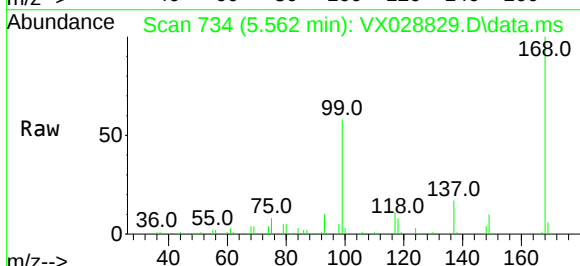
Tgt Ion: 117 Resp: 28527

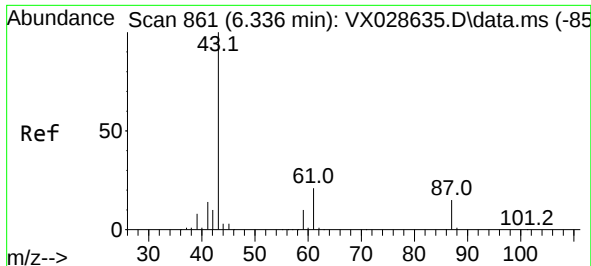
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.444 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

TP1-0516

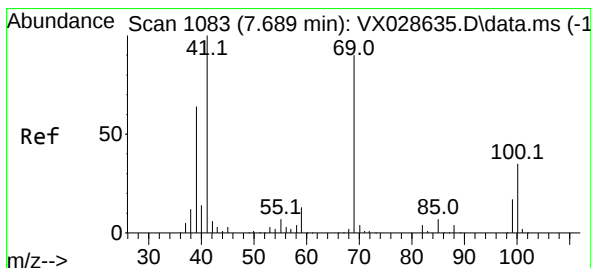
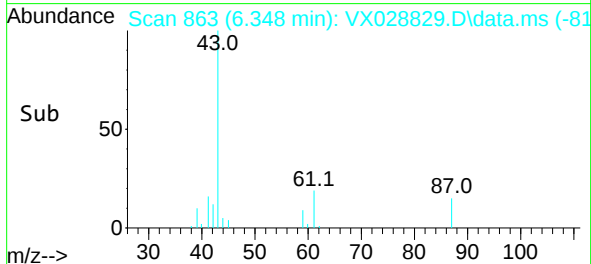
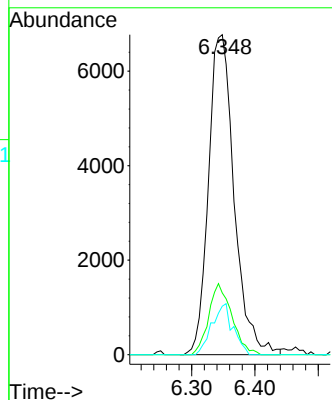
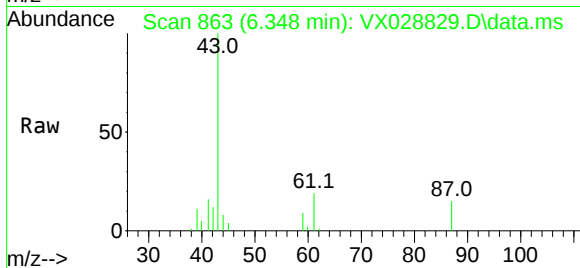
Tgt Ion: 43 Resp: 19094

Ion Ratio Lower Upper

43 100

61 20.0 18.5 27.7

87 13.1 13.0 19.6



#48

Methyl methacrylate

Concen: 1.634 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.091 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

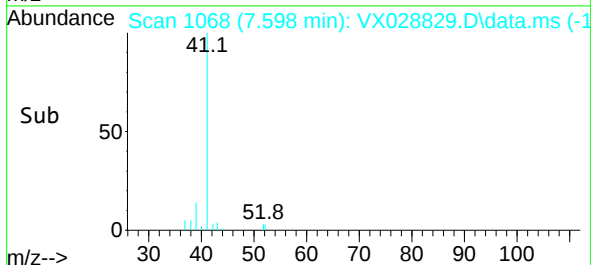
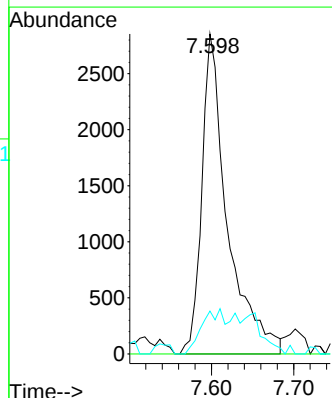
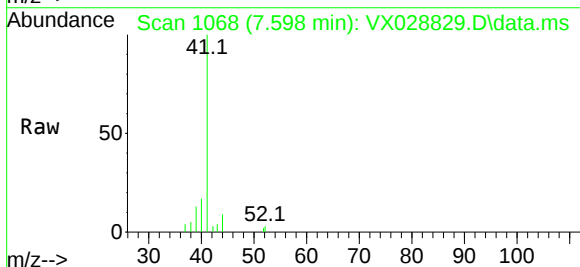
Tgt Ion: 41 Resp: 6166

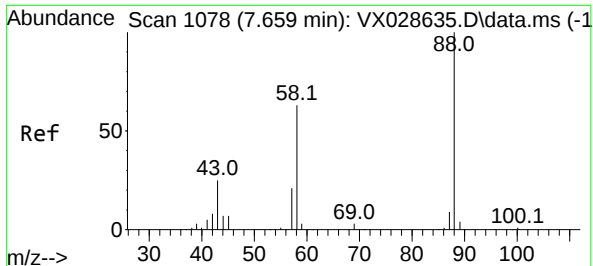
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 1.644 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

TP1-0516

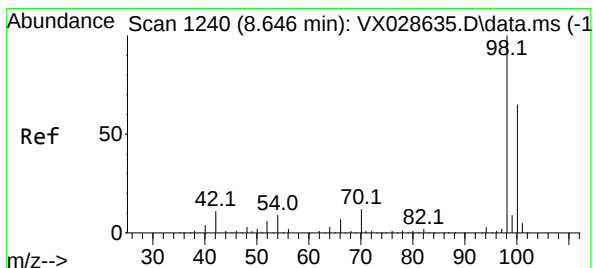
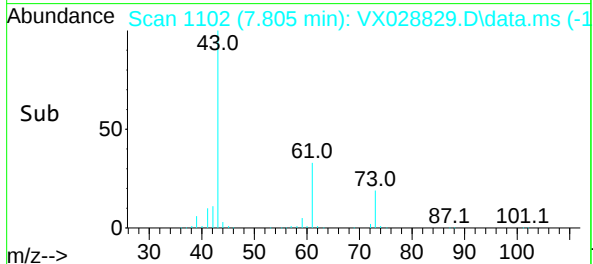
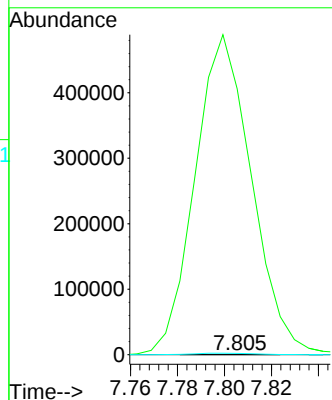
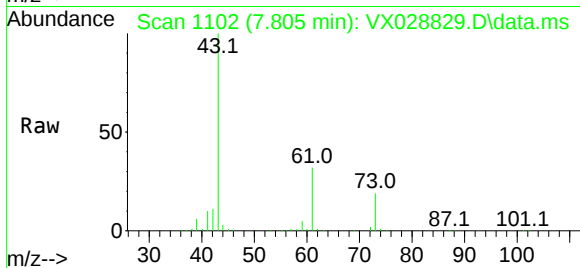
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 532870.3 21.9 32.9#

58 2691.6 53.7 80.5#



#50

Toluene-d8

Concen: 48.937 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028829.D

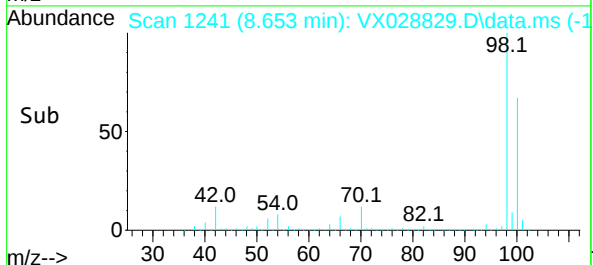
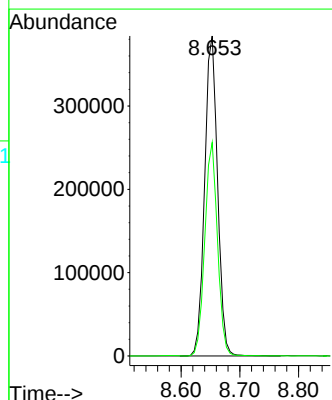
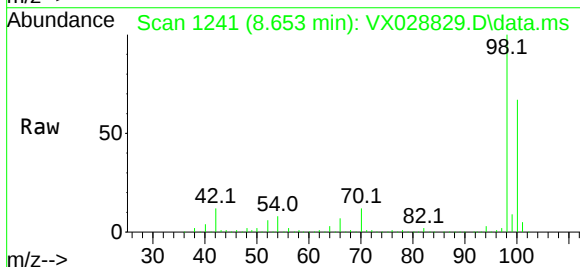
Acq: 19 May 2022 16:42

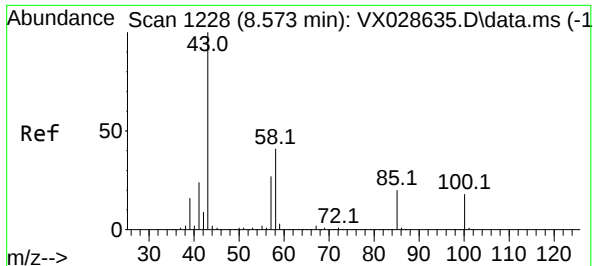
Tgt Ion: 98 Resp: 587358

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.490 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

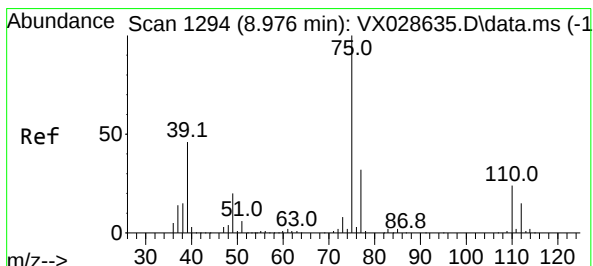
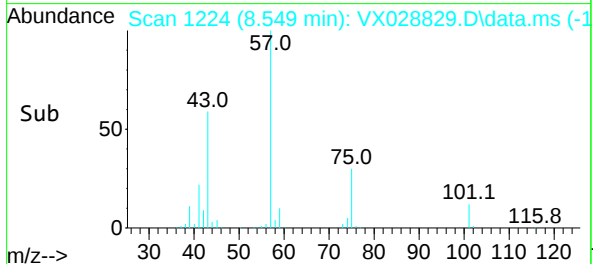
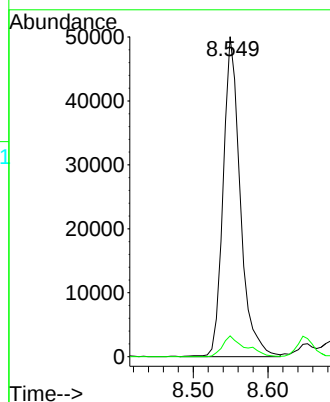
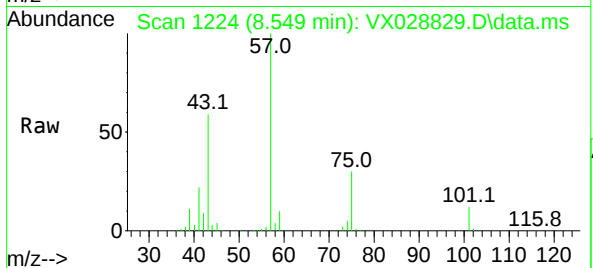
TP1-0516

Tgt Ion: 43 Resp: 79721

Ion Ratio Lower Upper

43 100

58 8.6 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.649 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.262 min

Lab File: VX028829.D

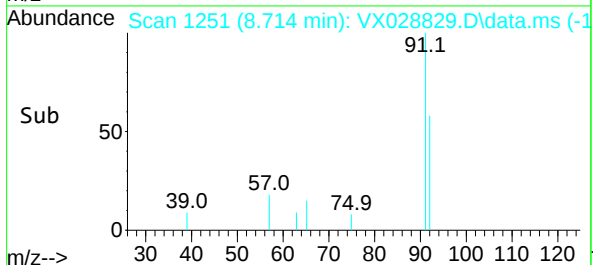
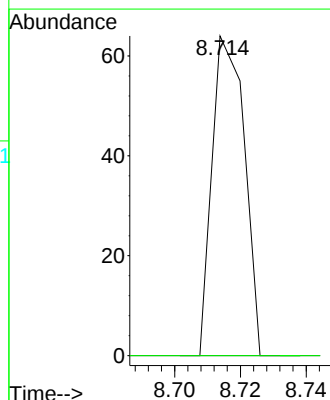
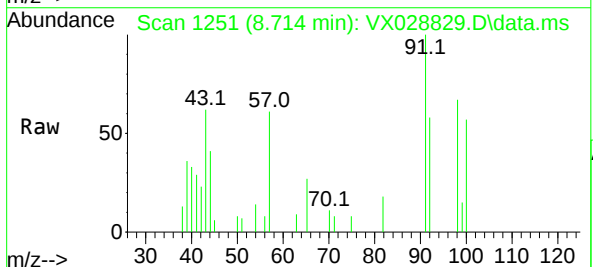
Acq: 19 May 2022 16:42

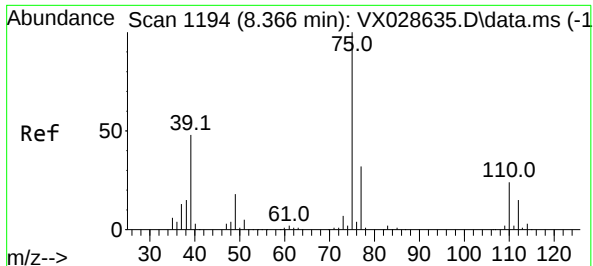
Tgt Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

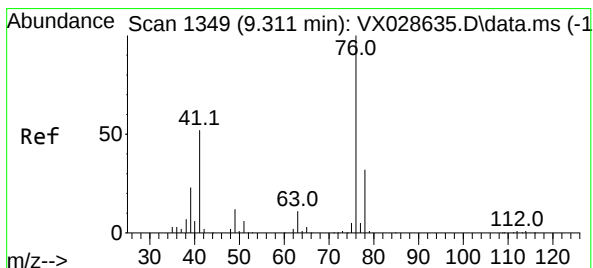
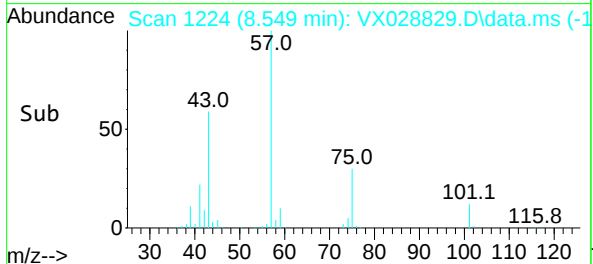
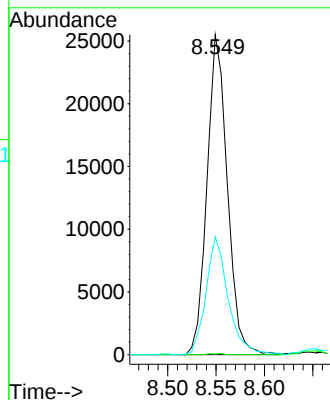
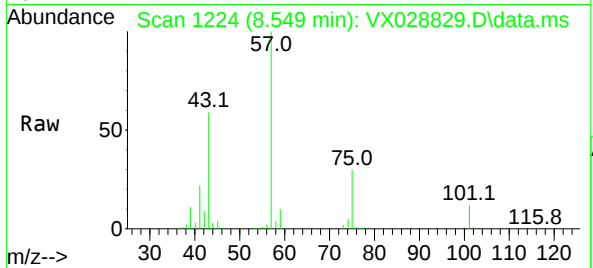




#54
 cis-1,3-Dichloropropene
 Concen: 6.989 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028829.D
 Acq: 19 May 2022 16:42

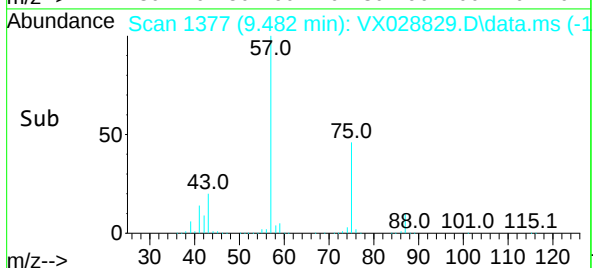
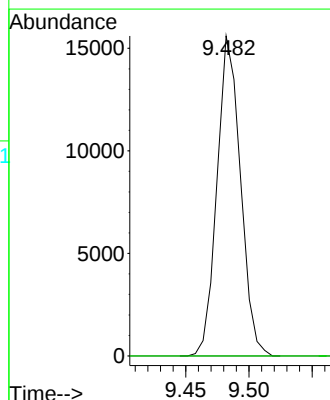
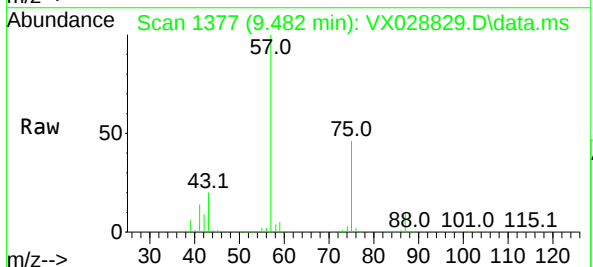
Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0516

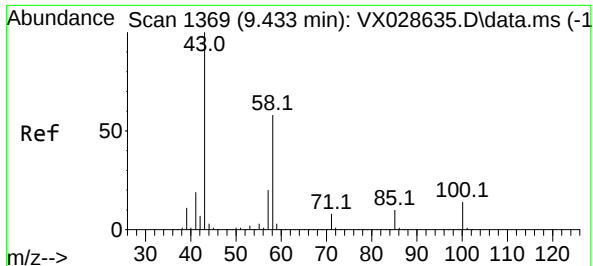
Tgt Ion: 75 Resp: 37385
 Ion Ratio Lower Upper
 75 100
 77 0.2 24.8 37.2#
 39 36.9 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 3.302 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028829.D
 Acq: 19 May 2022 16:42

Tgt Ion: 76 Resp: 20078
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 61.850 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

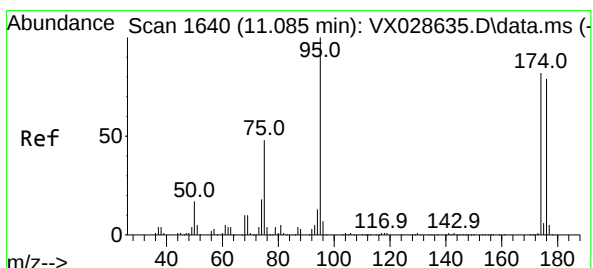
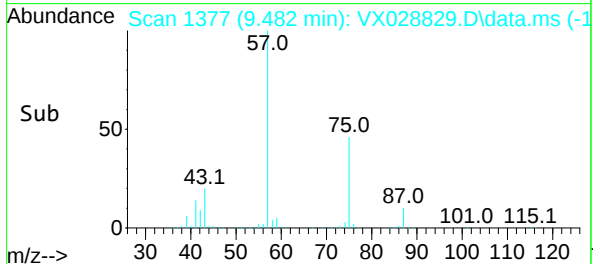
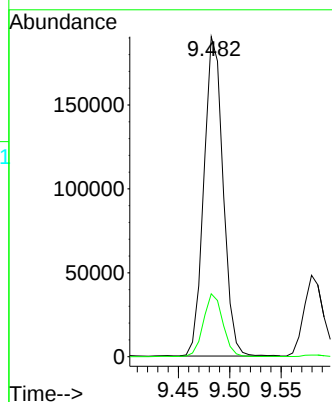
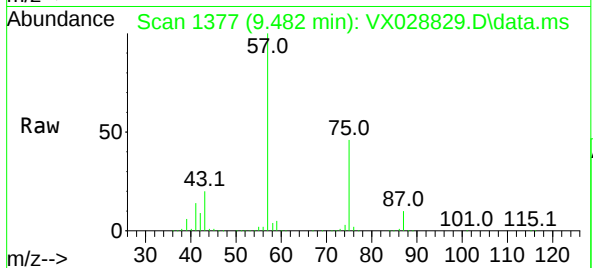
TP1-0516

Tgt Ion: 43 Resp: 247301

Ion Ratio Lower Upper

43 100

58 20.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.502 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028829.D

Acq: 19 May 2022 16:42

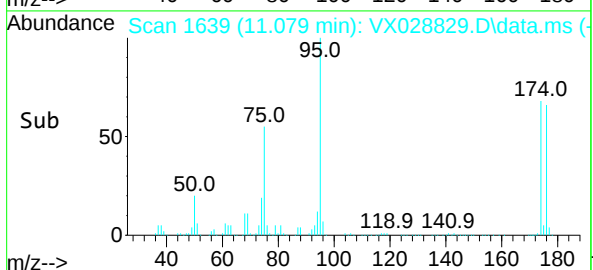
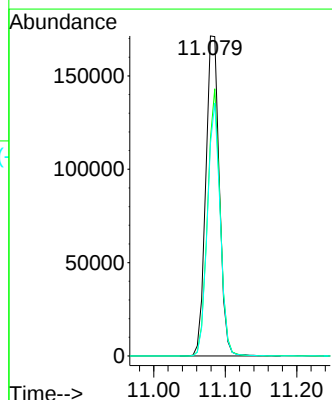
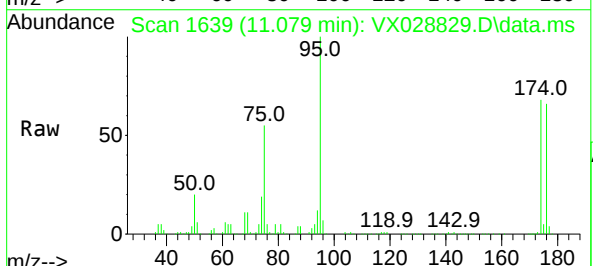
Tgt Ion: 95 Resp: 226395

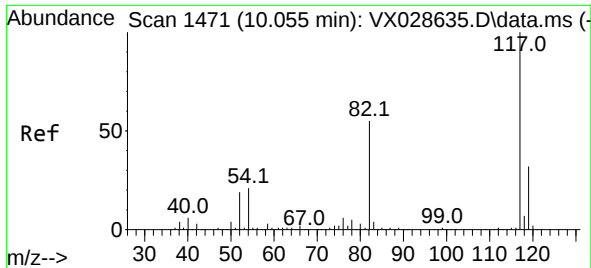
Ion Ratio Lower Upper

95 100

174 77.3 0.0 163.0

176 74.3 0.0 155.0

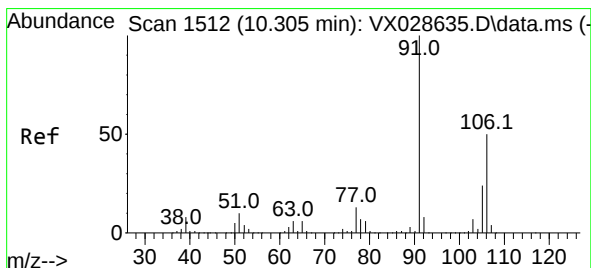
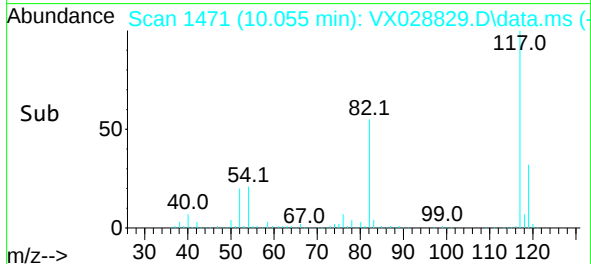
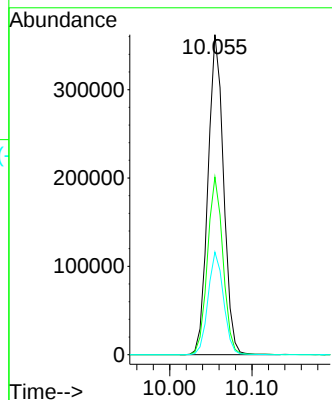
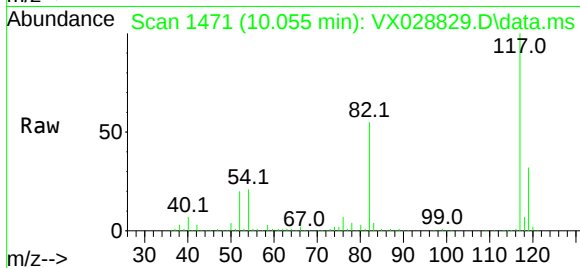




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

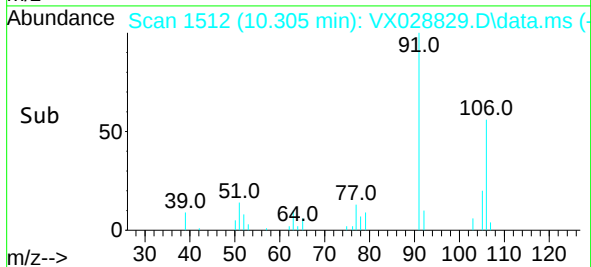
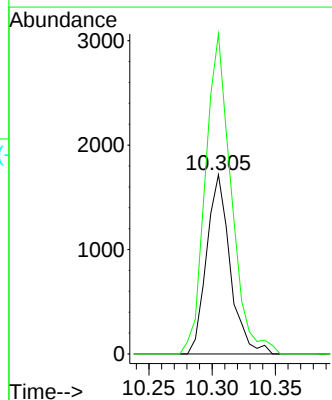
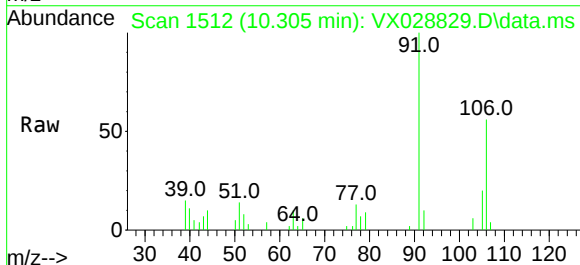
Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

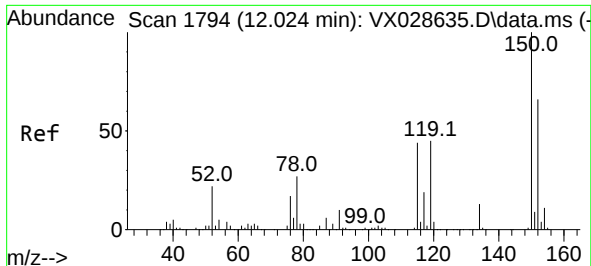
Tgt Ion:117 Resp: 475652
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.316 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion:106 Resp: 2224
Ion Ratio Lower Upper
106 100
91 195.3 160.4 240.6

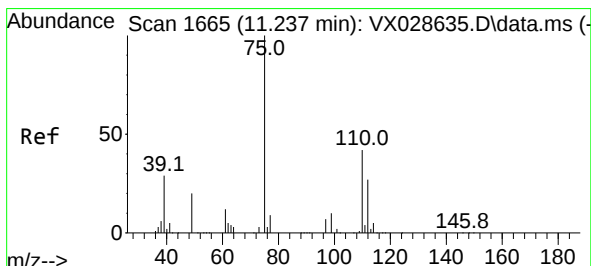
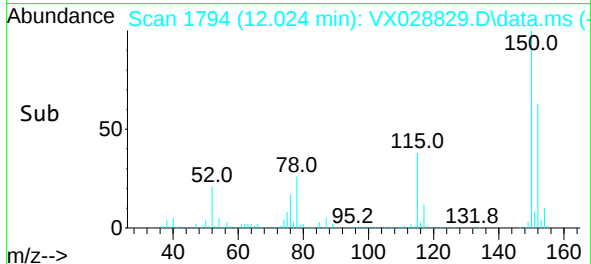
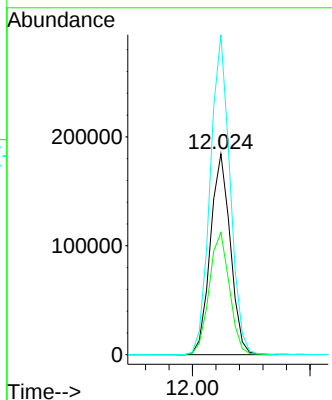
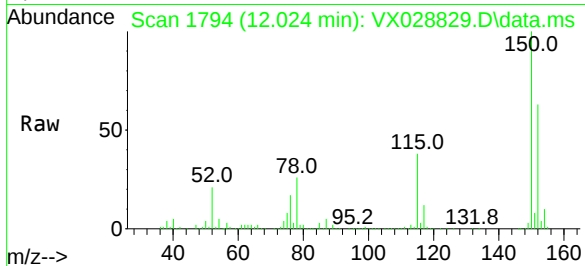




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028829.D
 Acq: 19 May 2022 16:42

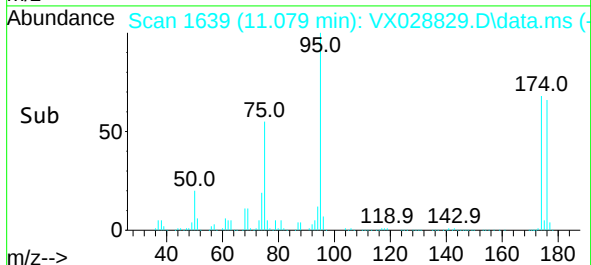
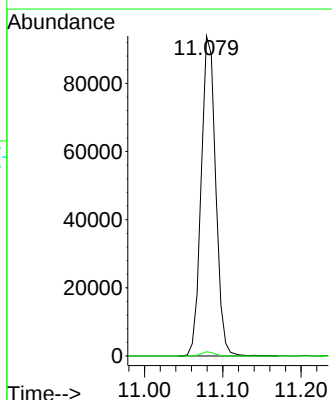
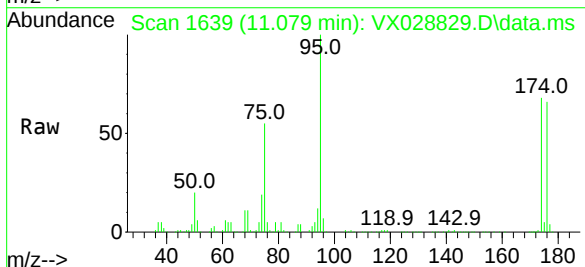
Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0516

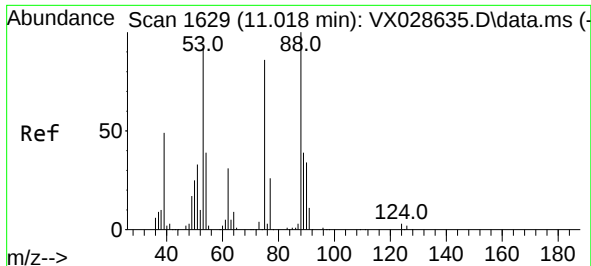
Tgt Ion:152 Resp: 217751
 Ion Ratio Lower Upper
 152 100
 115 61.6 37.5 112.7
 150 157.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.678 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028829.D
 Acq: 19 May 2022 16:42

Tgt Ion: 75 Resp: 120748
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

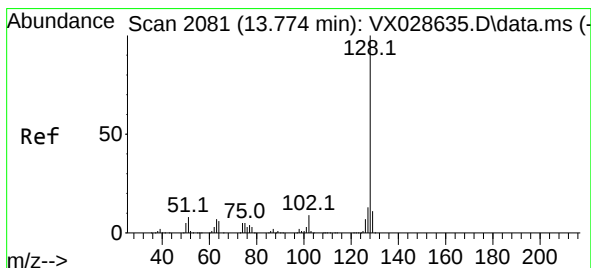
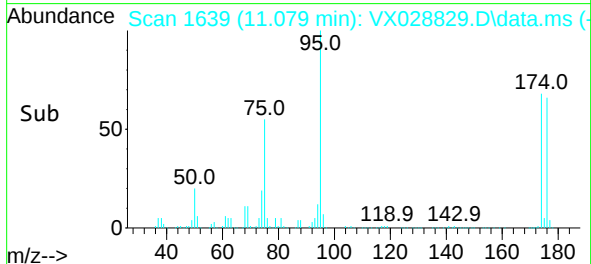
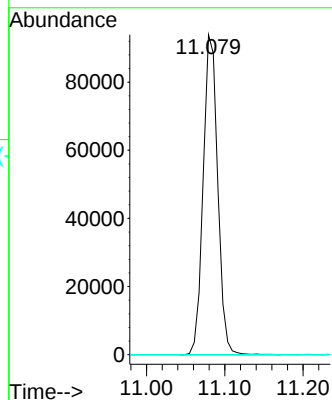
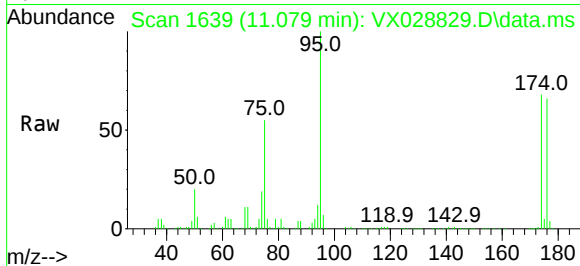




#81
trans-1,4-Dichloro-2-butene
Concen: 69.041 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :
TP1-0516

Tgt Ion: 75 Resp: 120748
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.238 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028829.D
Acq: 19 May 2022 16:42

Tgt Ion:128 Resp: 3681
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.2 8.7 13.1

