

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029059.D
 Acq On : 28 May 2022 05:59
 Operator : JC/MD
 Sample : PB145106TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106TB

Quant Time: May 28 08:39:59 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

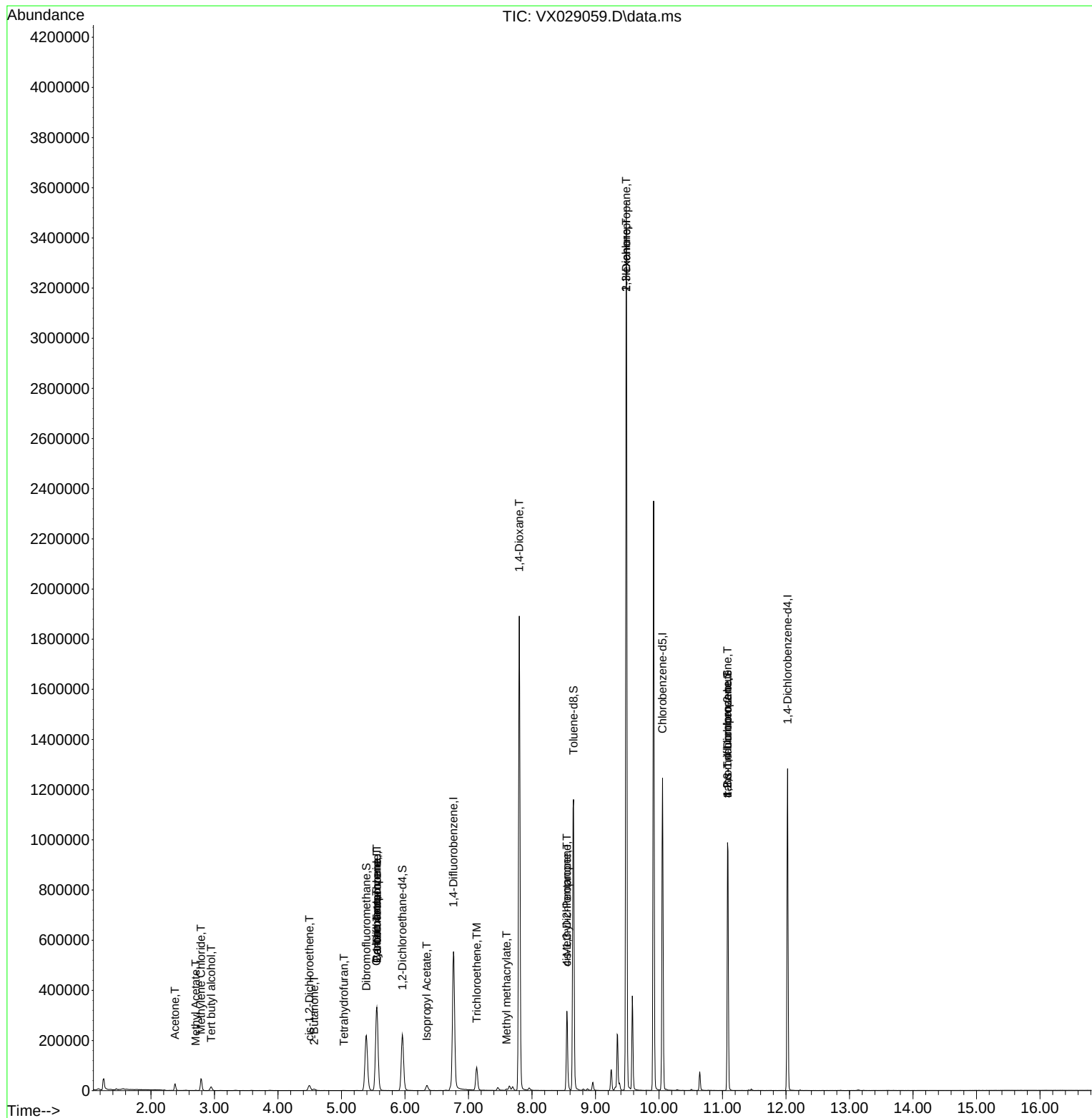
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	324222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	577837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	562739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	265494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214783	48.327	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.660%
35) Dibromofluoromethane	5.391	113	196026	51.778	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.560%
50) Toluene-d8	8.653	98	710026	49.744	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.480%
62) 4-Bromofluorobenzene	11.079	95	279275	52.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.760%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	821	Below Cal		89
6) Chloroethane	1.752	64	487	Below Cal	#	76
11) Tert butyl alcohol	2.947	59	8559	1.132	ug/l #	72
16) Acetone	2.380	43	28178	14.773	ug/l	96
18) Methyl Acetate	2.703	43	1729	0.362	ug/l	99
20) Methylene Chloride	2.788	84	21868	5.465	ug/l	96
25) 2-Butanone	4.568	43	6064	2.025	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	12888	2.920	ug/l	95
29) Tetrahydrofuran	5.038	42	431	0.221	ug/l #	45
31) Cyclohexane	5.550	56	5558	0.901	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23142	4.070	ug/l #	49
38) Carbon Tetrachloride	5.556	117	32629	5.702	ug/l #	15
43) Isopropyl Acetate	6.342	43	26736	2.877	ug/l	98
44) Trichloroethene	7.129	130	36009	8.124	ug/l	97
48) Methyl methacrylate	7.598	41	8390	1.869	ug/l #	7
49) 1,4-Dioxane	7.799	88	280	2.497	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	100997	16.502	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	53621	8.430	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	33729	4.665	ug/l #	43
59) 2-Hexanone	9.482	43	393884	82.834	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	136307	21.923	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	136307	64.209	ug/l #	15

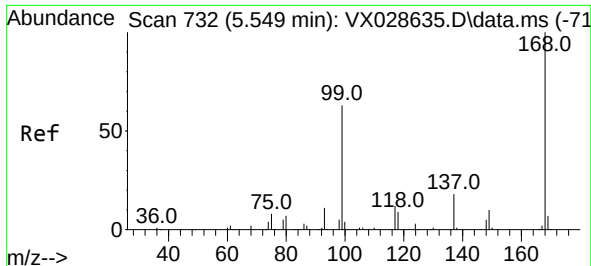
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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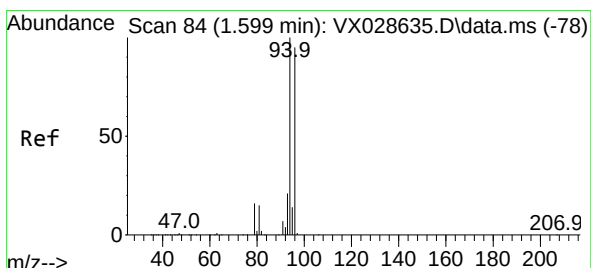
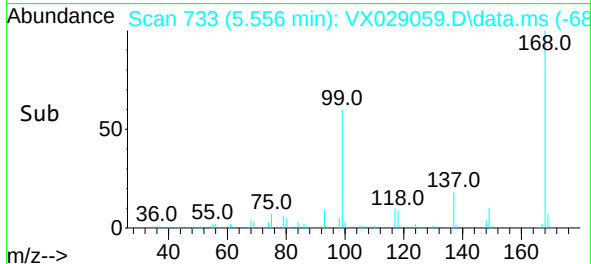
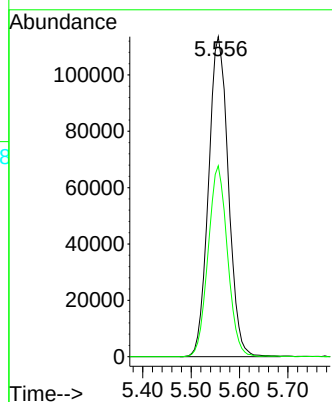
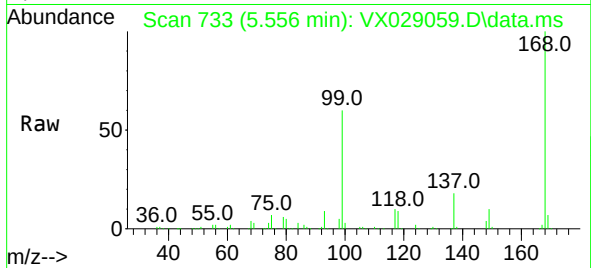




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

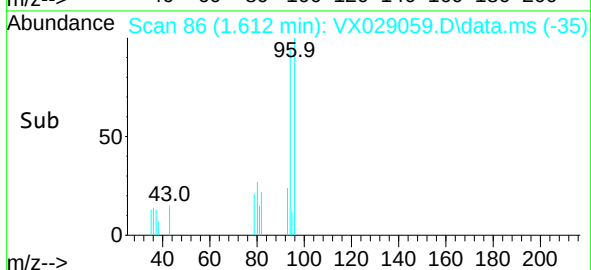
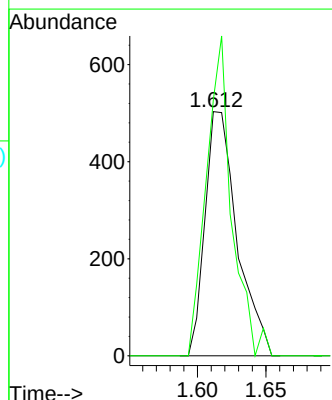
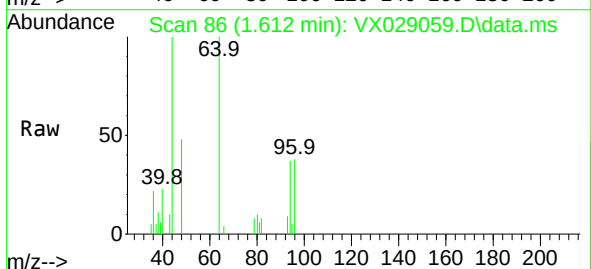
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

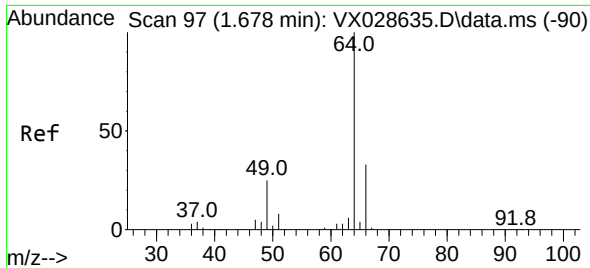
Tgt Ion:168 Resp: 324222
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 104.8 75.3 112.9

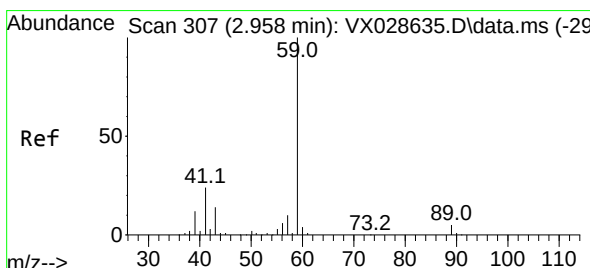
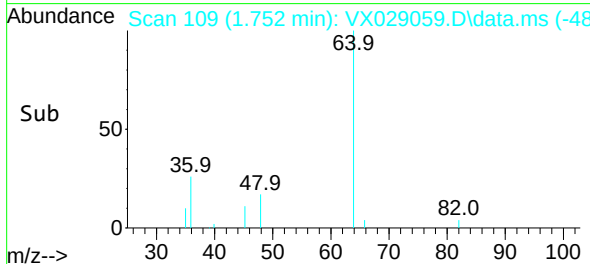
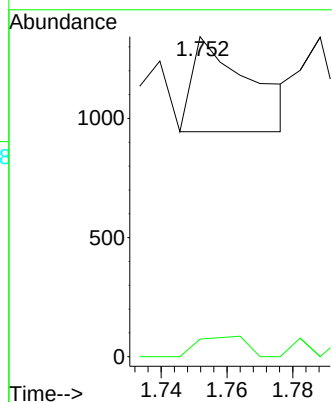
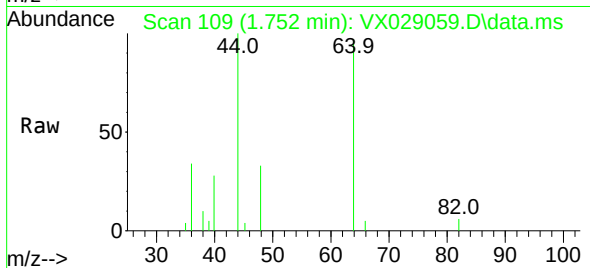




#6
Chloroethane
Concen: Below Cal
RT: 1.752 min Scan# 10
Delta R.T. 0.074 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

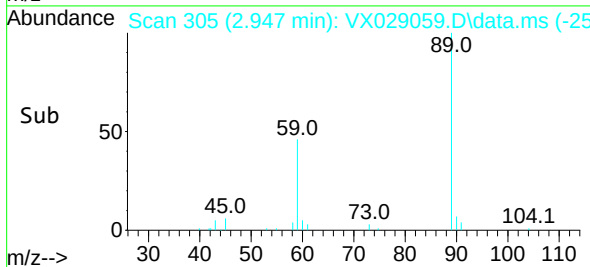
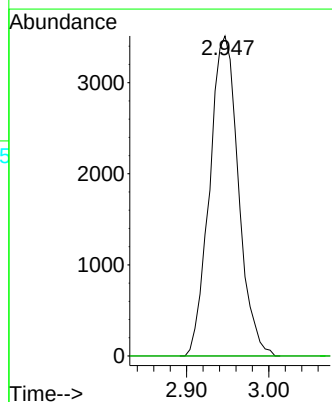
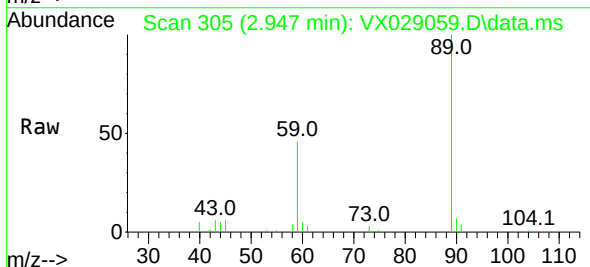
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

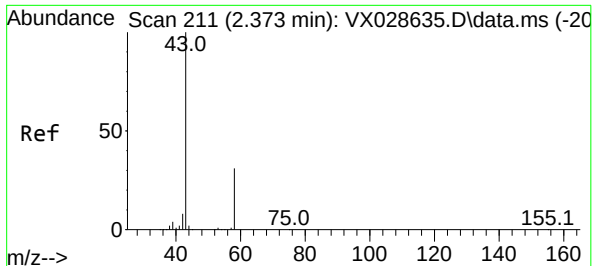
Tgt Ion: 64 Resp: 487
Ion Ratio Lower Upper
64 100
66 18.5 25.3 37.9#



#11
Tert butyl alcohol
Concen: 1.132 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 59 Resp: 8559
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

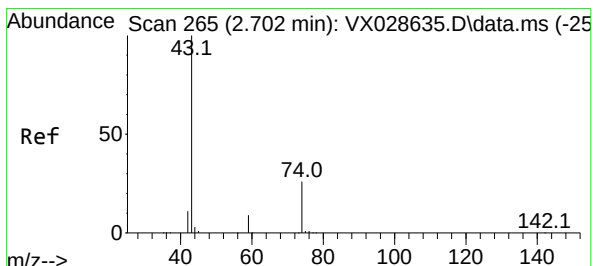
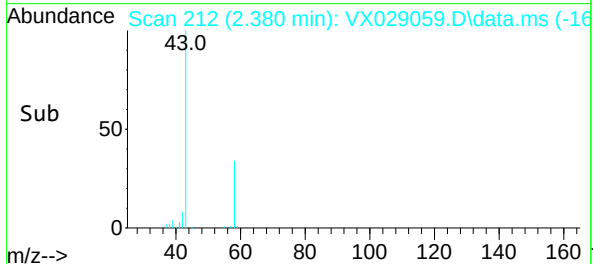
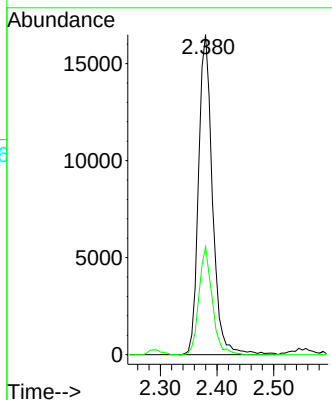
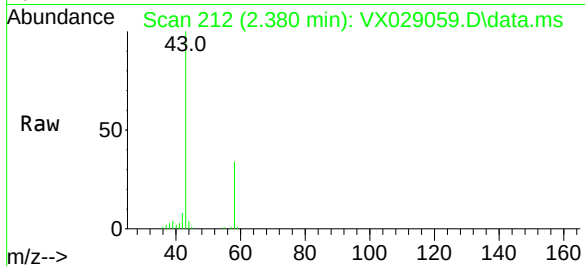




#16
Acetone
Concen: 14.773 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

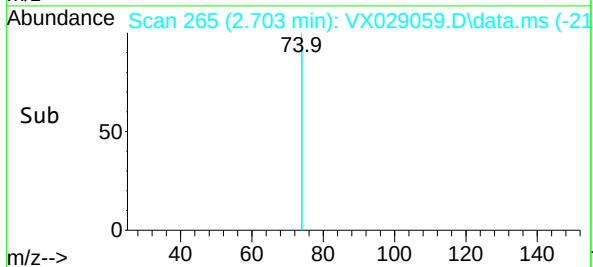
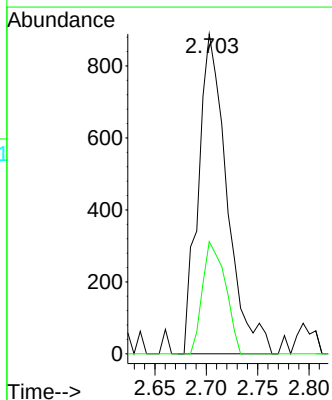
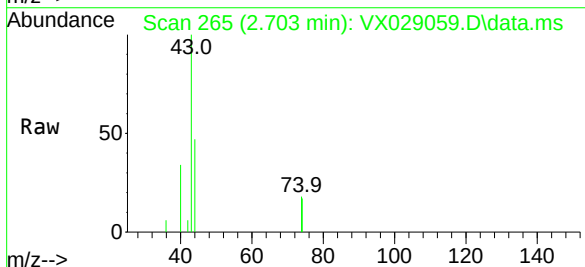
Instrument :
MSVOA_X
ClientSampleId :
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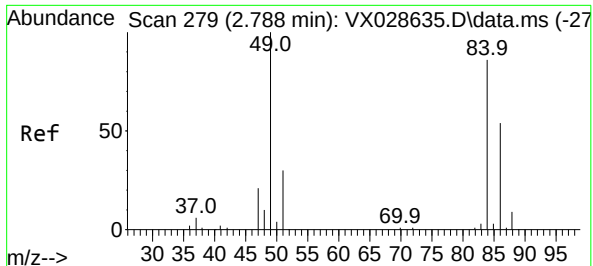
Tgt Ion: 43 Resp: 28178
Ion Ratio Lower Upper
43 100
58 33.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.362 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
74 27.9 22.8 34.2

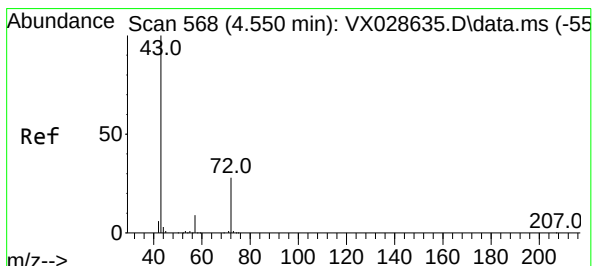
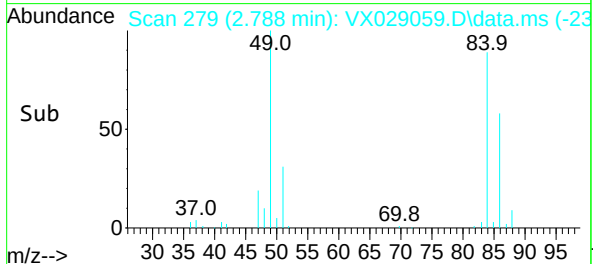
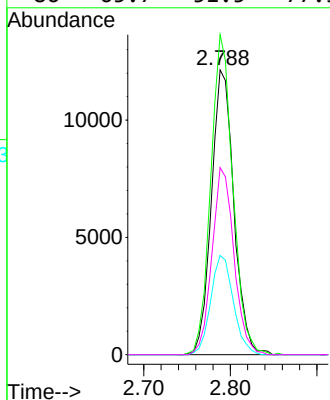
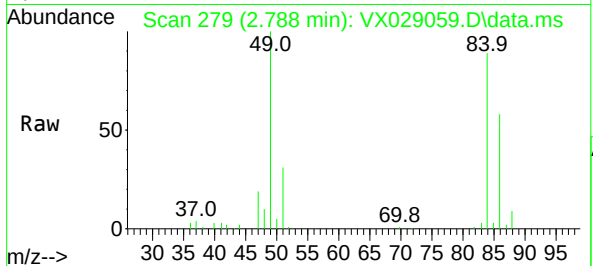




#20
Methylene Chloride
Concen: 5.465 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

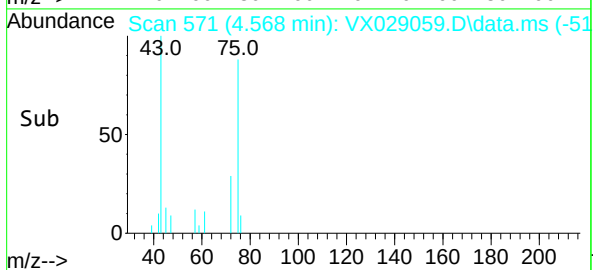
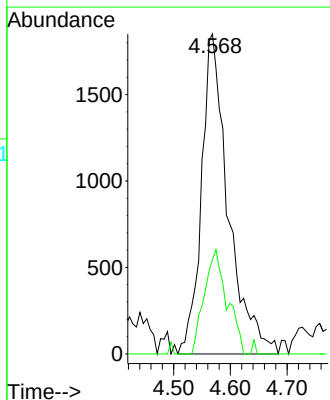
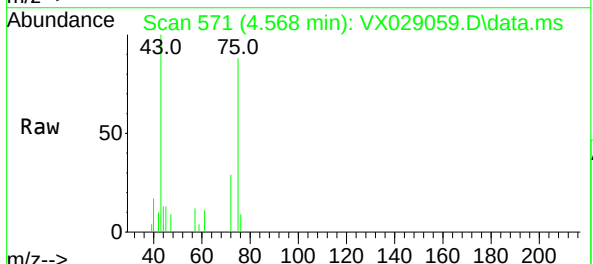
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

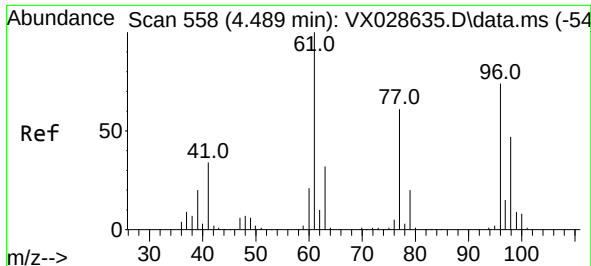
Tgt Ion:	84	Resp:	21868
Ion	Ratio	Lower	Upper
84	100		
49	112.3	85.5	128.3
51	34.8	26.6	39.8
86	65.7	51.5	77.3



#25
2-Butanone
Concen: 2.025 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion:	43	Resp:	6064
Ion	Ratio	Lower	Upper
43	100		
72	29.4	24.4	36.6





#27

cis-1,2-Dichloroethene

Concen: 2.920 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

Instrument :

MSVOA_X

ClientSampleId :

PB145106TB

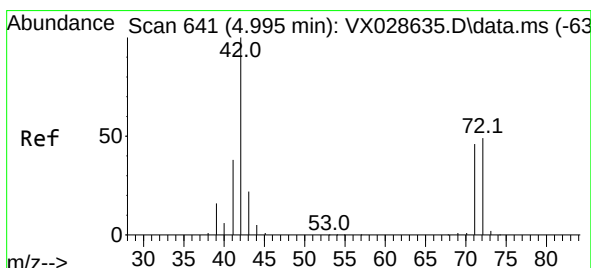
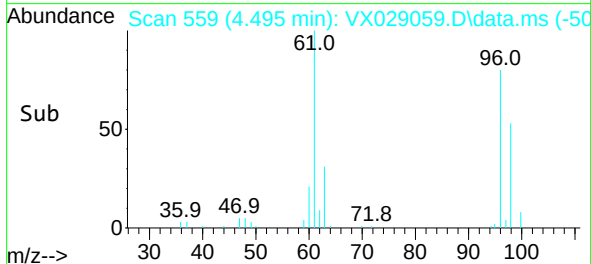
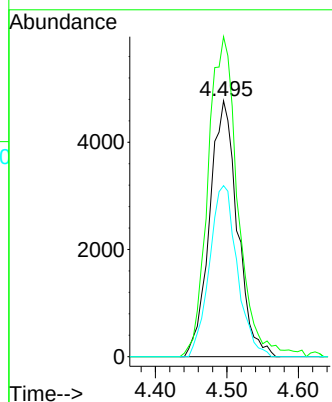
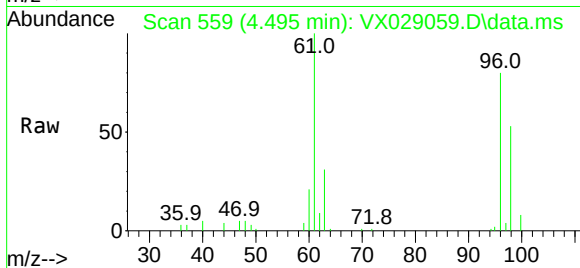
Tgt Ion: 96 Resp: 12888

Ion Ratio Lower Upper

96 100

61 134.9 0.0 283.8

98 66.8 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.043 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

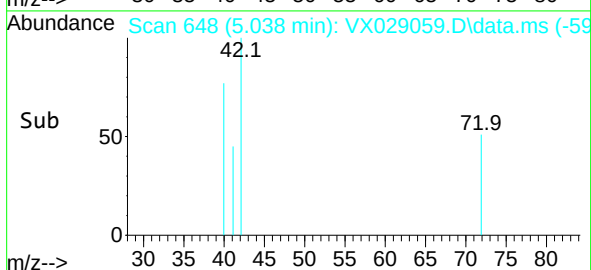
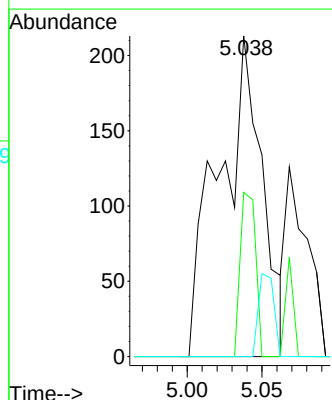
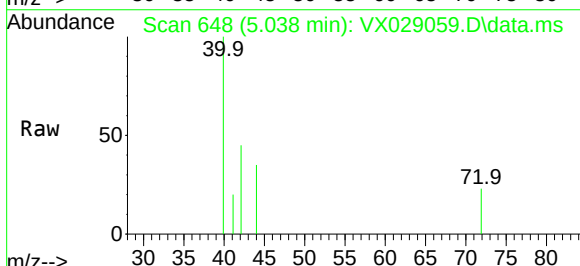
Tgt Ion: 42 Resp: 431

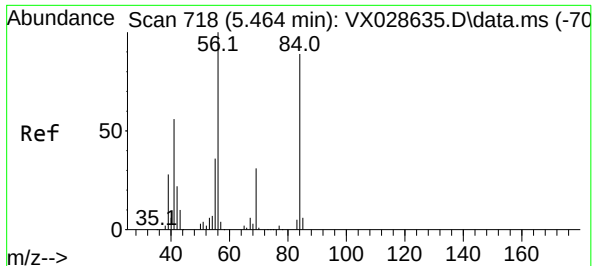
Ion Ratio Lower Upper

42 100

72 18.1 44.1 66.1#

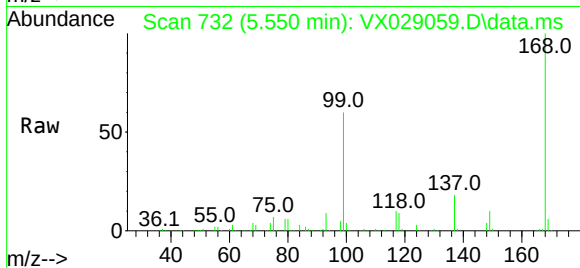
71 9.0 40.5 60.7#



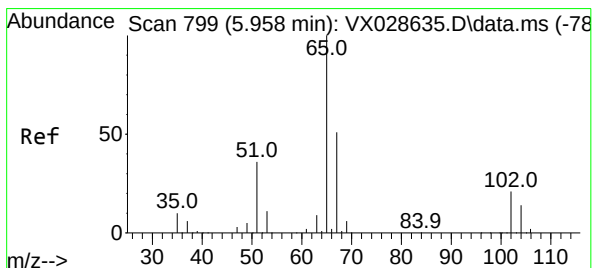
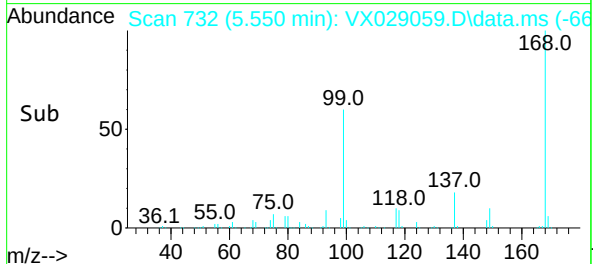
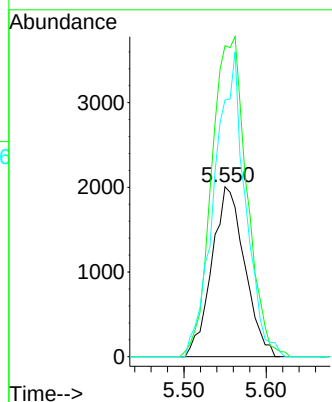


#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

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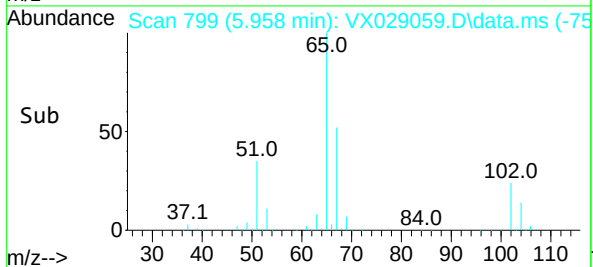
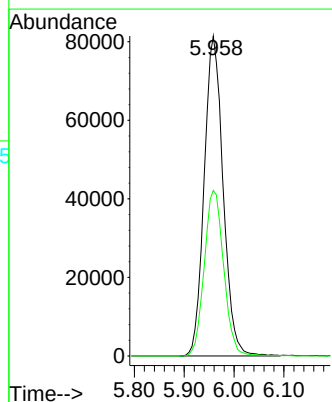
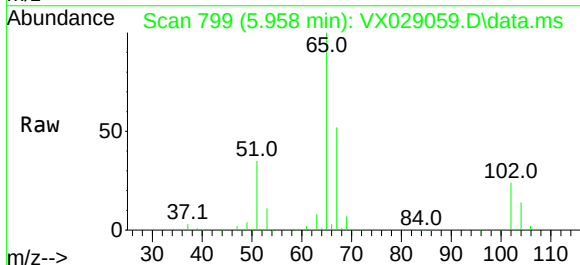


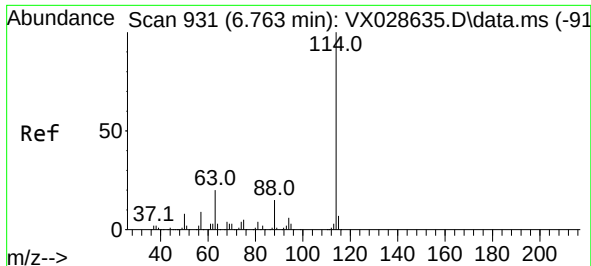
Tgt Ion: 56 Resp: 5558
Ion Ratio Lower Upper
56 100
69 183.1 26.7 40.1#
84 151.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.327 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 65 Resp: 214783
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4

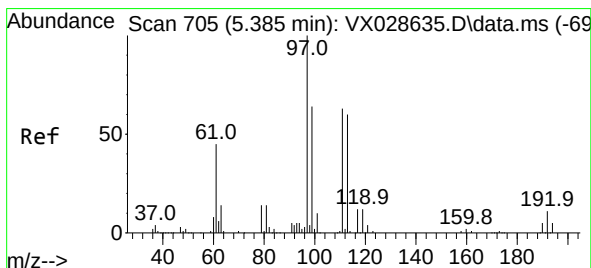
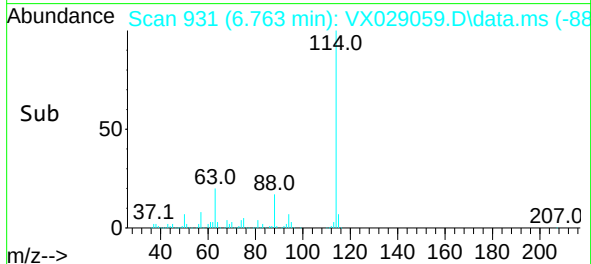
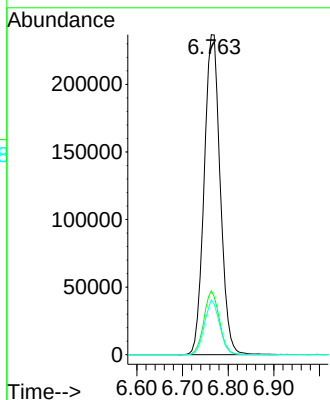
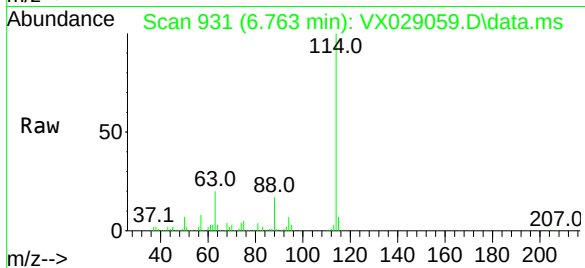




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

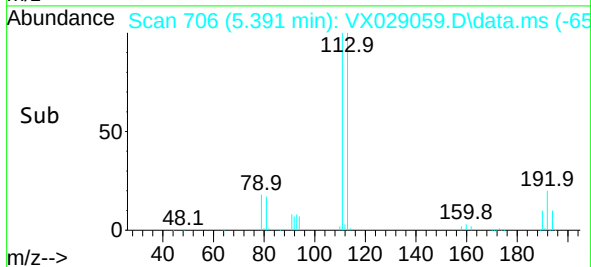
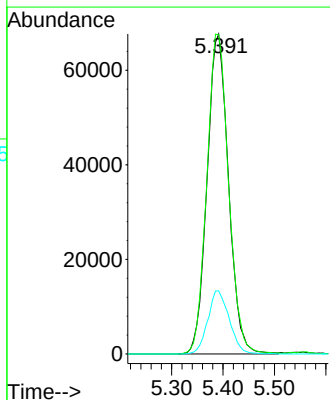
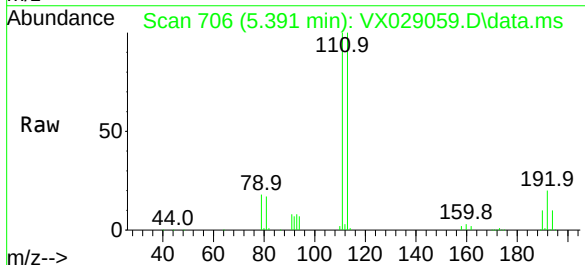
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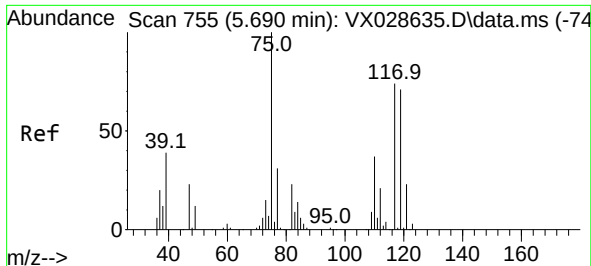
Tgt Ion:114 Resp: 577837
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.8
88 17.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.778 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion:113 Resp: 196026
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 19.8 16.9 25.3

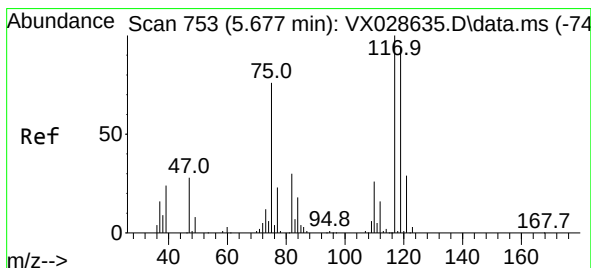
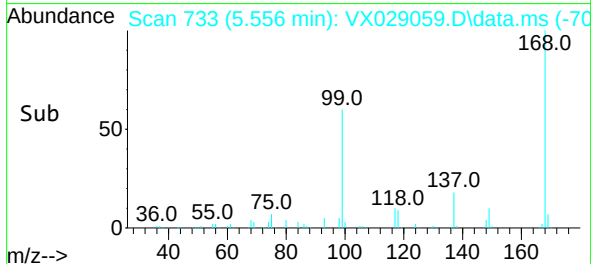
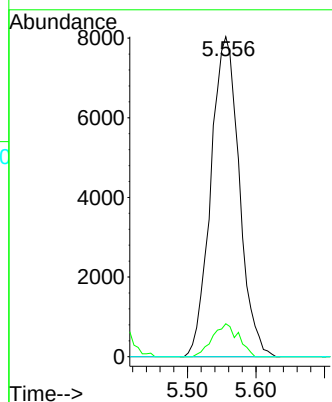
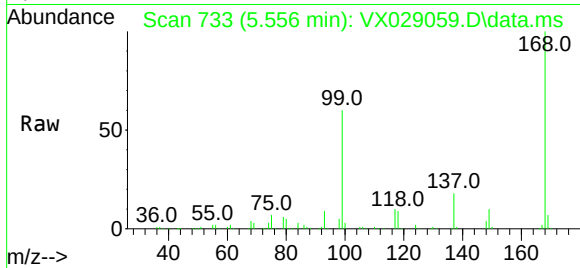




#36
1,1-Dichloropropene
Concen: 4.070 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

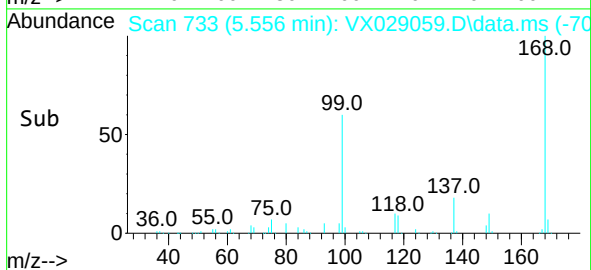
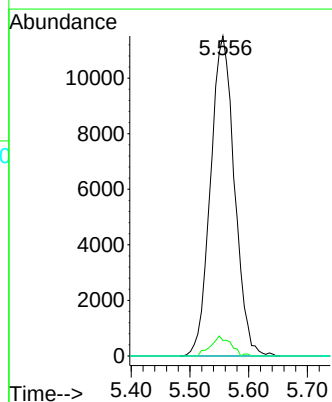
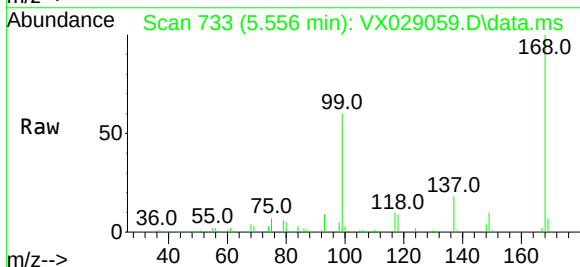
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

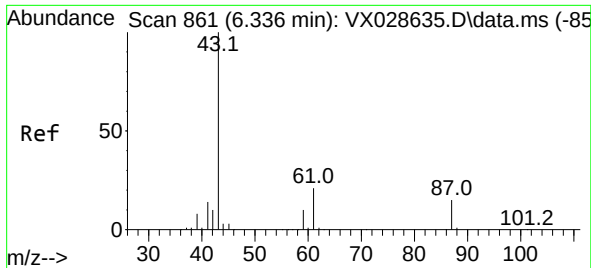
Tgt Ion: 75 Resp: 23142
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 117 Resp: 32629
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.877 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

Instrument :

MSVOA_X

ClientSampleId :

PB145106TB

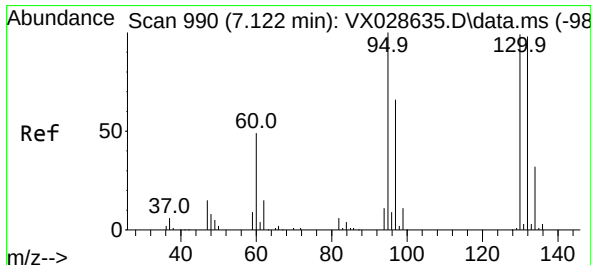
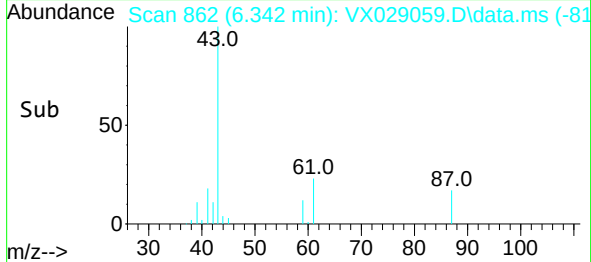
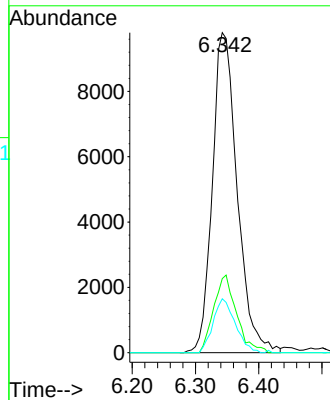
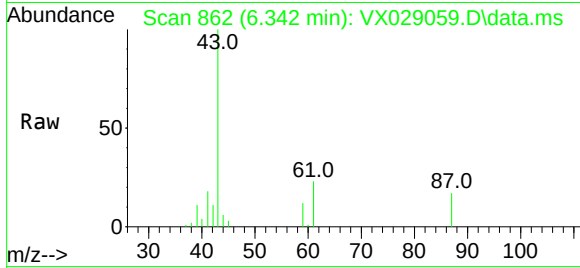
Tgt Ion: 43 Resp: 26736

Ion Ratio Lower Upper

43 100

61 22.2 18.5 27.7

87 15.0 13.0 19.6



#44

Trichloroethene

Concen: 8.124 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX029059.D

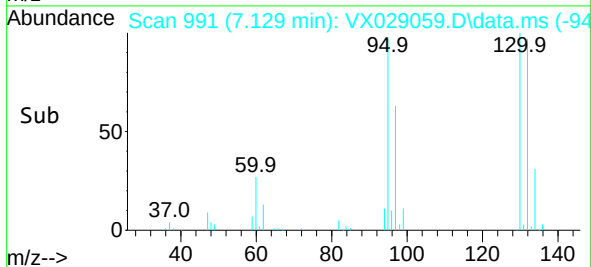
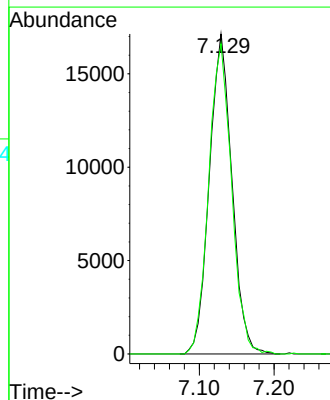
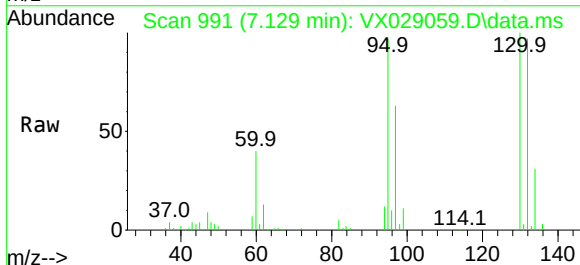
Acq: 28 May 2022 05:59

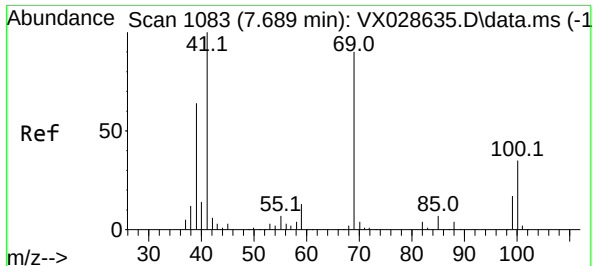
Tgt Ion:130 Resp: 36009

Ion Ratio Lower Upper

130 100

95 97.0 0.0 188.8





#48

Methyl methacrylate

Concen: 1.869 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.091 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

Instrument :

MSVOA_X

ClientSampleId :

PB145106TB

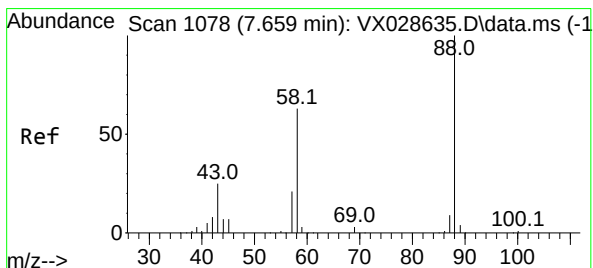
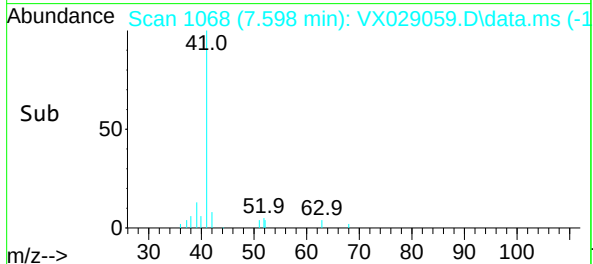
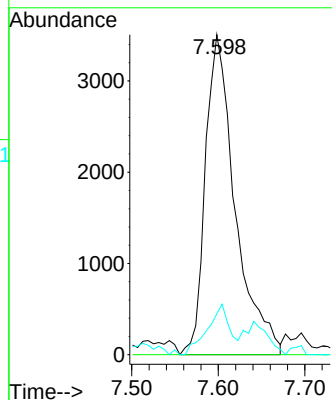
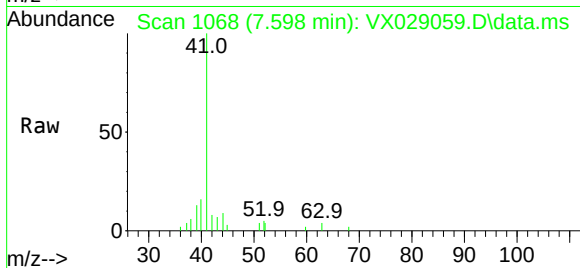
Tgt Ion: 41 Resp: 8390

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: 2.497 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

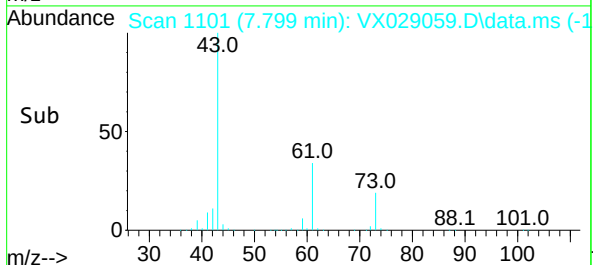
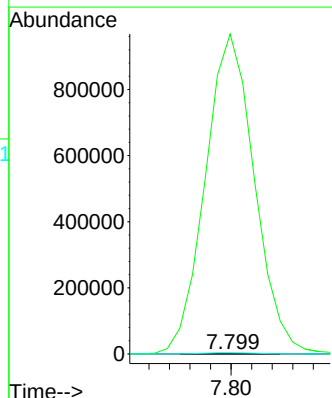
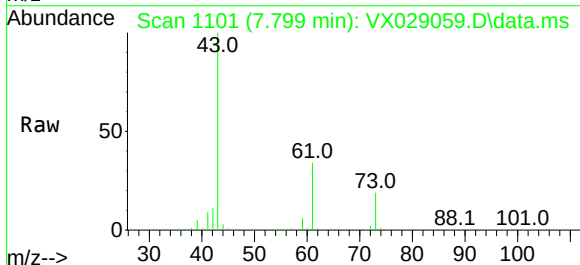
Tgt Ion: 88 Resp: 280

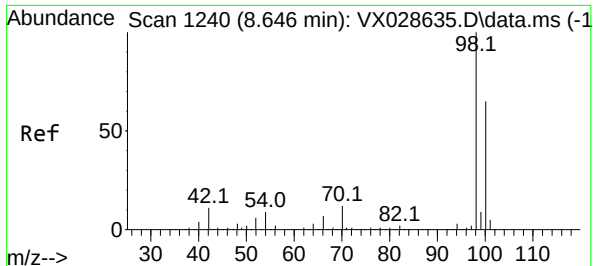
Ion Ratio Lower Upper

88 100

43 578795.4 21.9 32.9#

58 2695.4 53.7 80.5#

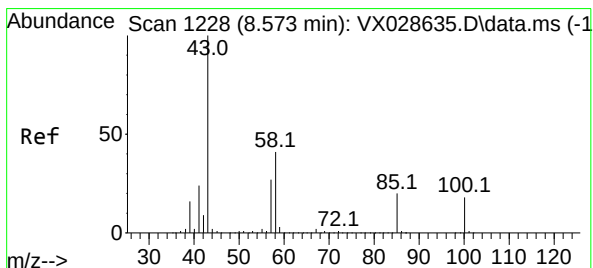
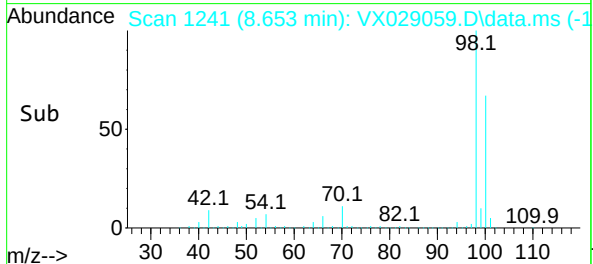
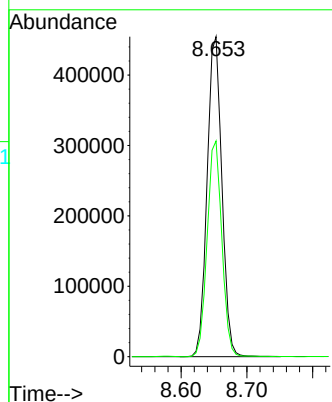
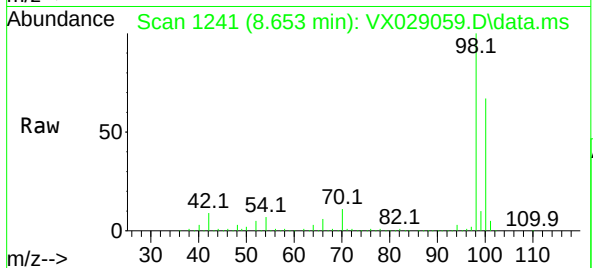




#50
Toluene-d8
Concen: 49.744 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

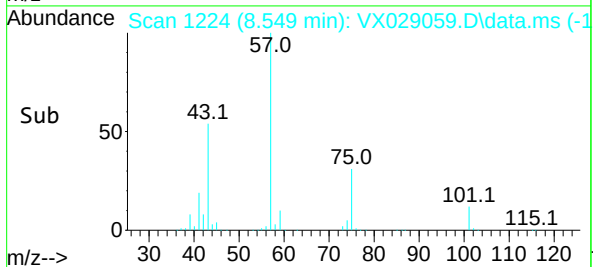
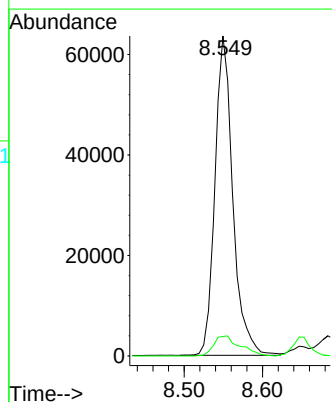
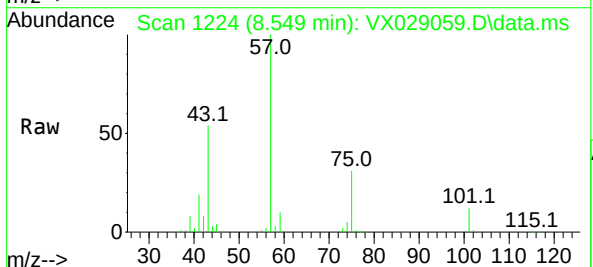
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

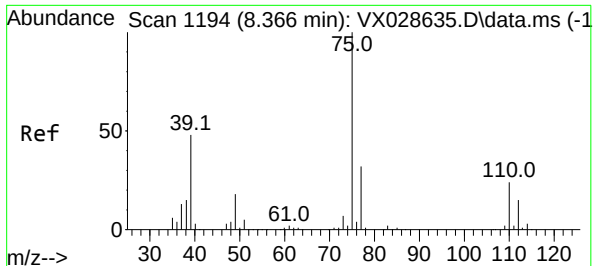
Tgt Ion: 98 Resp: 710026
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.502 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 43 Resp: 100997
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#

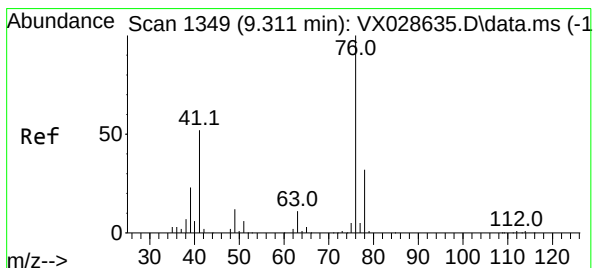
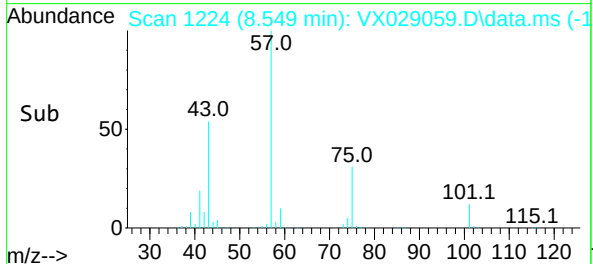
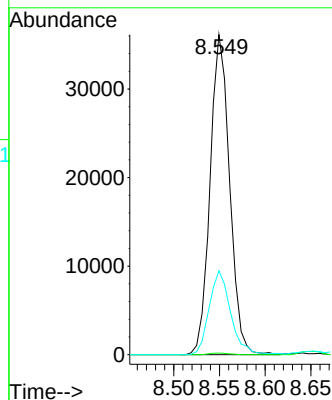
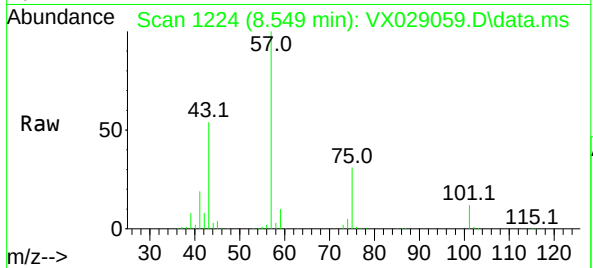




#54
 cis-1,3-Dichloropropene
 Concen: 8.430 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029059.D
 Acq: 28 May 2022 05:59

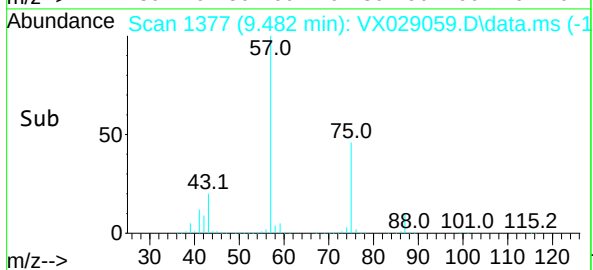
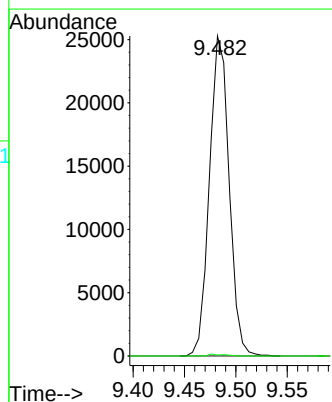
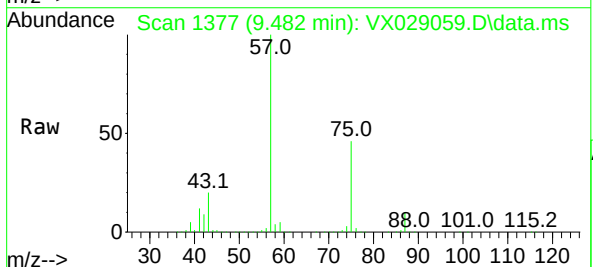
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145106TB

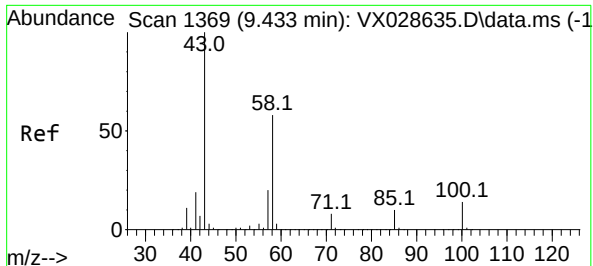
Tgt Ion: 75 Resp: 53621
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 26.2 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.665 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029059.D
 Acq: 28 May 2022 05:59

Tgt Ion: 76 Resp: 33729
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 82.834 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

Instrument :

MSVOA_X

ClientSampleId :

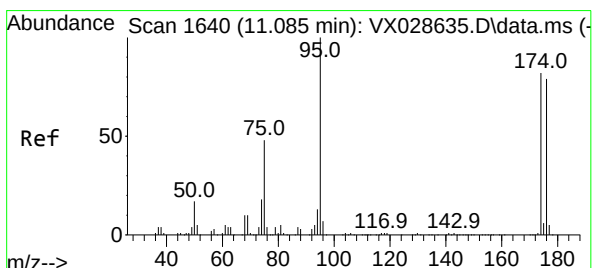
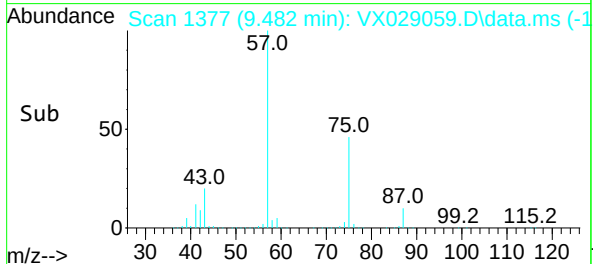
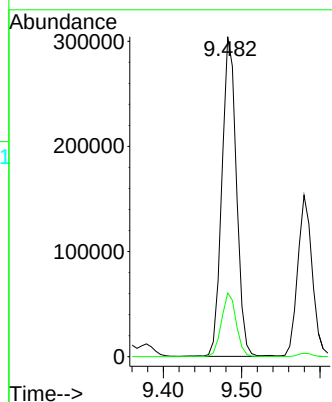
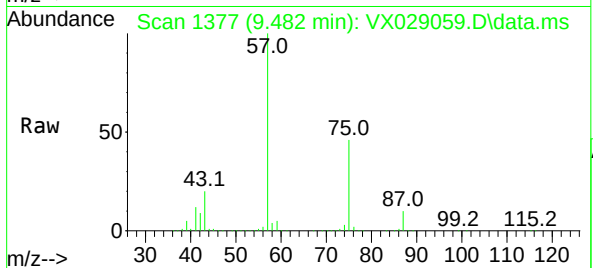
PB145106TB

Tgt Ion: 43 Resp: 393884

Ion Ratio Lower Upper

43 100

58 20.2 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 52.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029059.D

Acq: 28 May 2022 05:59

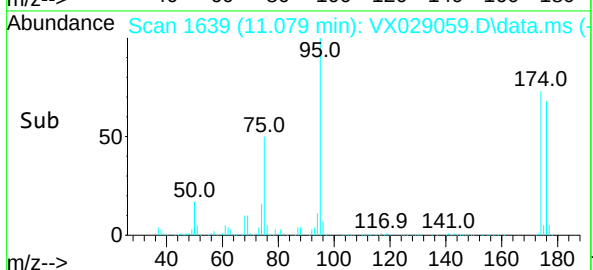
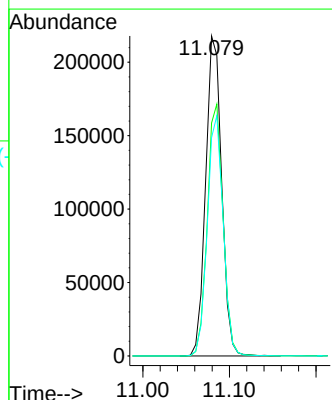
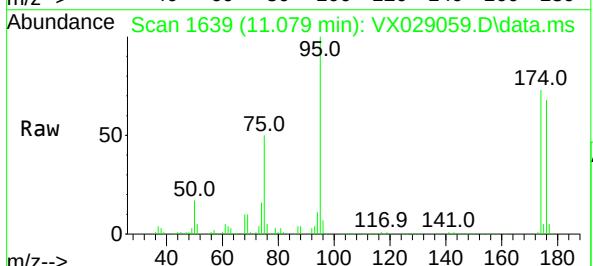
Tgt Ion: 95 Resp: 279275

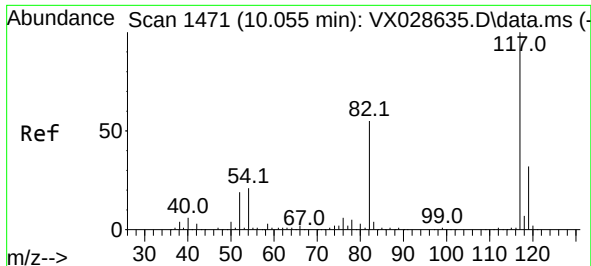
Ion Ratio Lower Upper

95 100

174 77.7 0.0 163.0

176 74.6 0.0 155.0

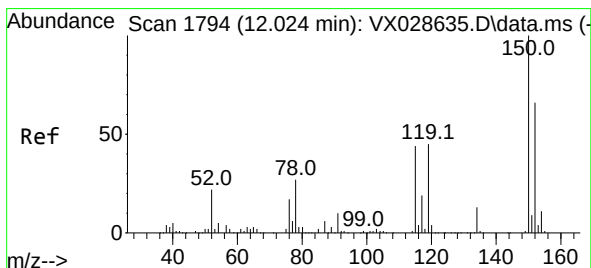
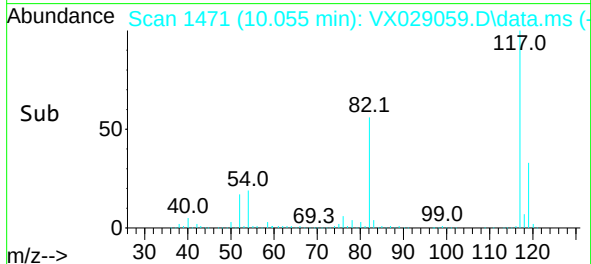
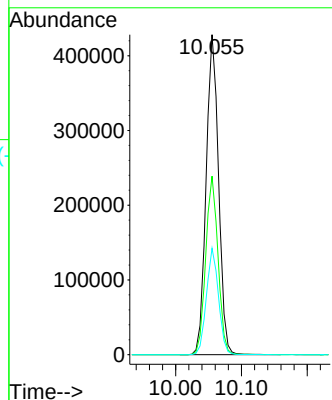
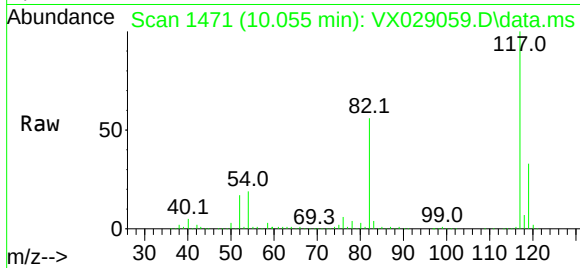




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

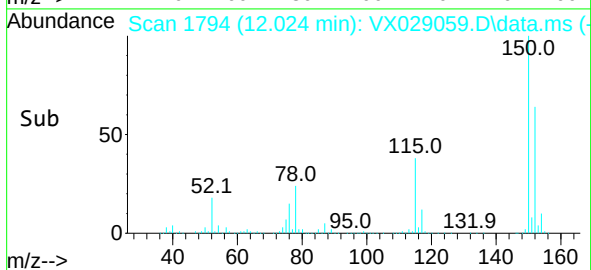
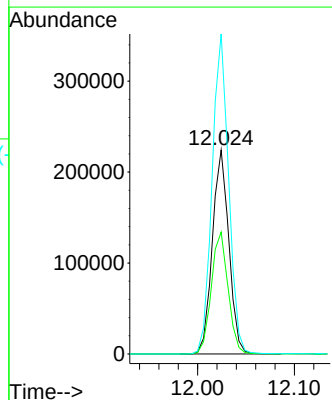
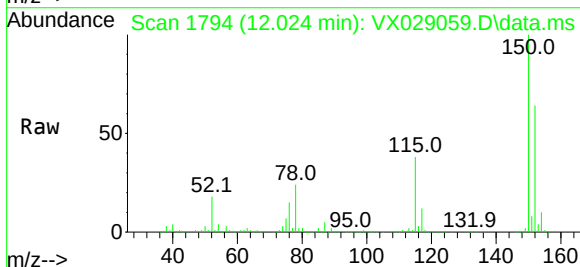
Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

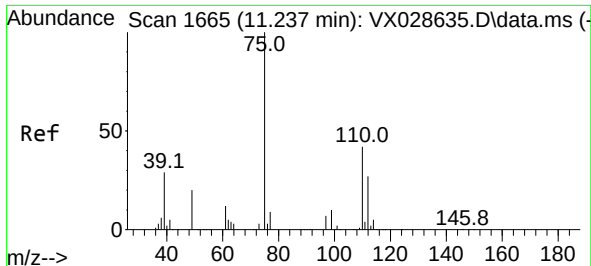
Tgt Ion:117 Resp: 562739
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 33.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion:152 Resp: 265494
Ion Ratio Lower Upper
152 100
115 60.8 37.5 112.7
150 157.5 0.0 338.2

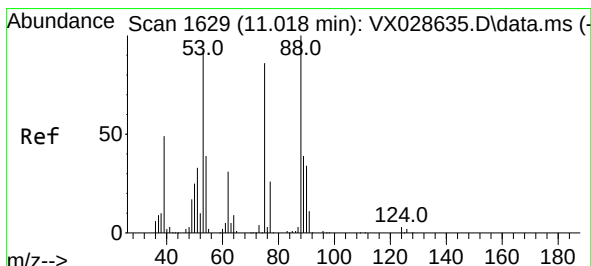
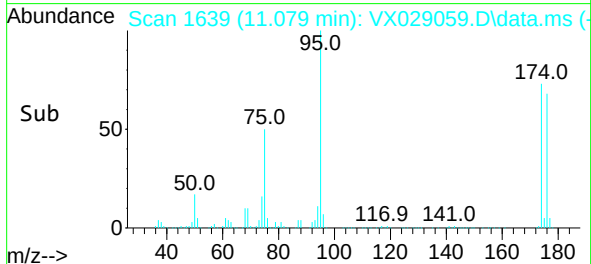
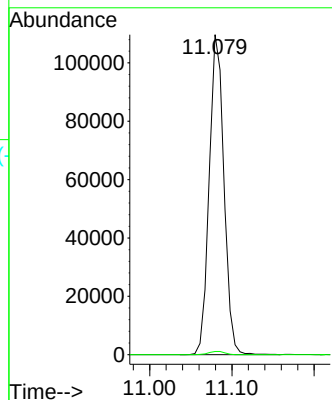
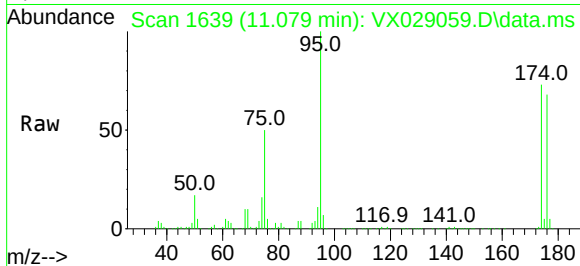




#76
1,2,3-Trichloropropane
Concen: 21.923 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Instrument :
MSVOA_X
ClientSampleId :
PB145106TB

Tgt Ion: 75 Resp: 136307
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029059.D
Acq: 28 May 2022 05:59

Tgt Ion: 75 Resp: 136307
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

