

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029092.D
 Acq On : 31 May 2022 22:22
 Operator : JC/MD
 Sample : N3087-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 01 05:02:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

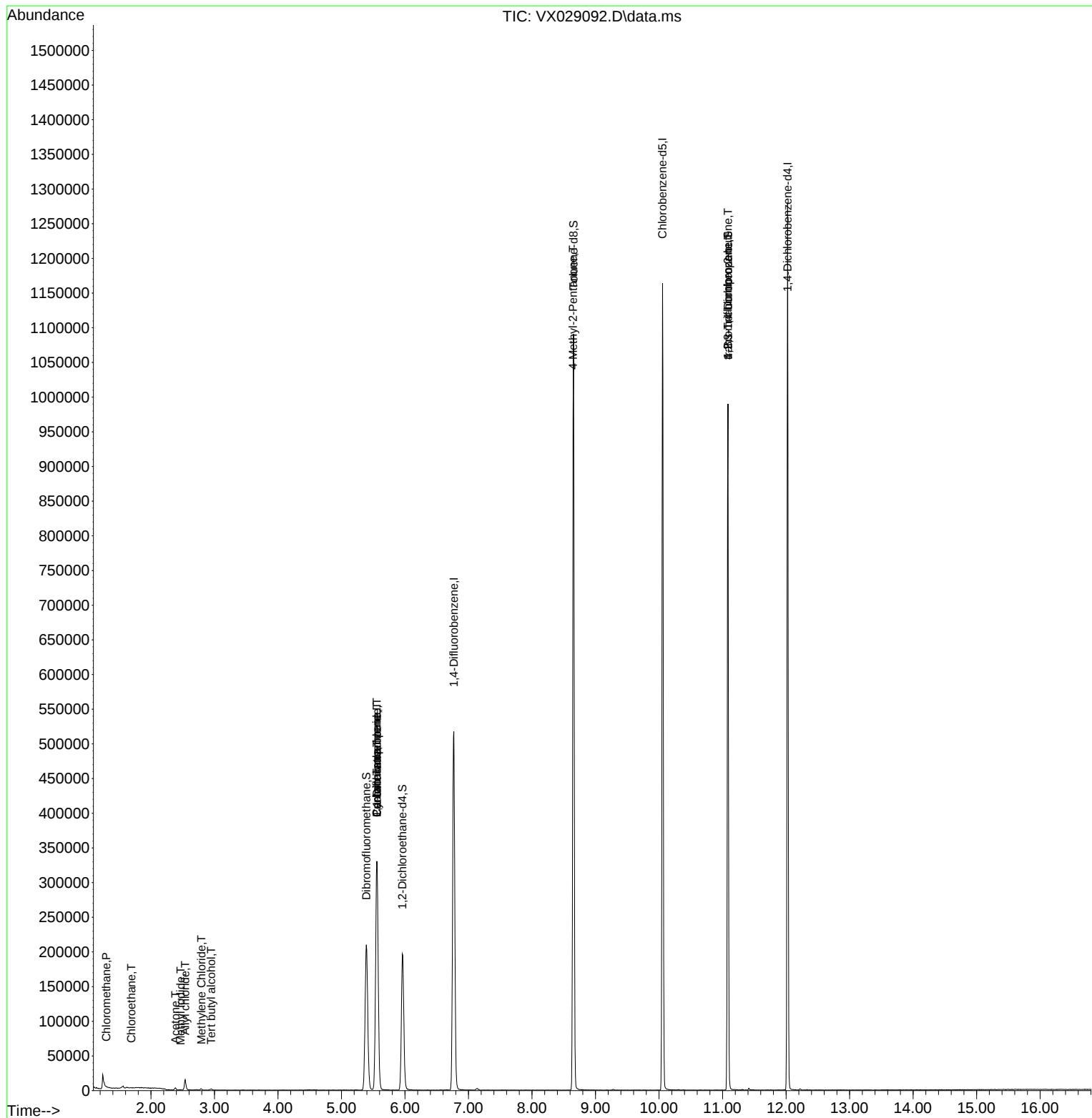
Internal Standards						
1) Pentafluorobenzene	5.556	168	331175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	571948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191030	51.153	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.300%	
35) Dibromofluoromethane	5.391	113	187892	49.458	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.920%	
50) Toluene-d8	8.653	98	670117	48.229	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	11.085	95	264348	49.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	633	0.210	ug/l	96
5) Bromomethane	1.617	94	831	Below Cal		93
6) Chloroethane	1.690	64	749	1.655	ug/l #	81
10) Methyl Iodide	2.465	142	506	4.351	ug/l #	80
11) Tert butyl alcohol	2.946	59	850	0.983	ug/l #	72
14) Allyl chloride	2.538	41	1370	0.306	ug/l #	59
16) Acetone	2.385	43	3249	2.209	ug/l	97
20) Methylene Chloride	2.794	84	919	0.268	ug/l #	80
31) Cyclohexane	5.556	56	5272	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22879	4.680	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32253	5.774	ug/l #	16
44) Trichloroethene	7.141	130	1140	Below Cal		55
51) 4-Methyl-2-Pentanone	8.647	43	2364	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	123533	22.679	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	123533	66.536	ug/l #	15
94) Hexachlorobutadiene	13.737	225	21	Below Cal	#	16

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

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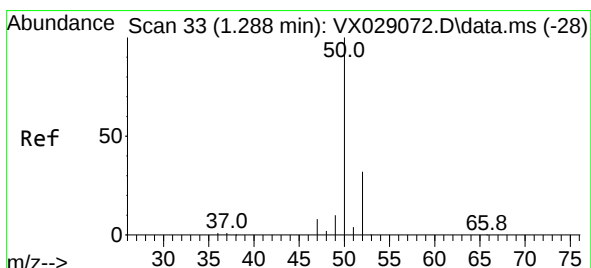
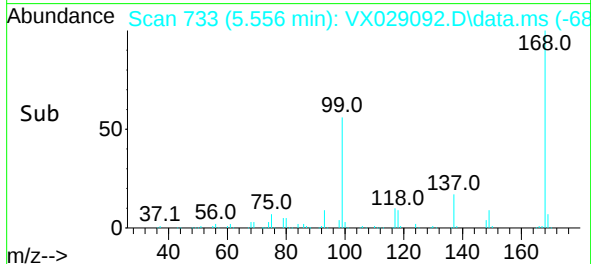
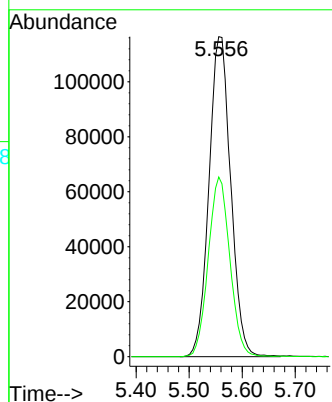
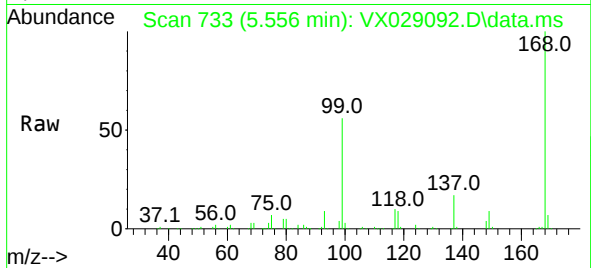




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

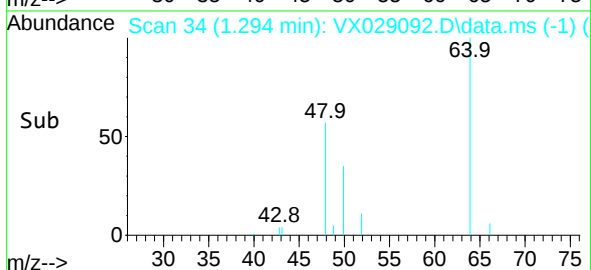
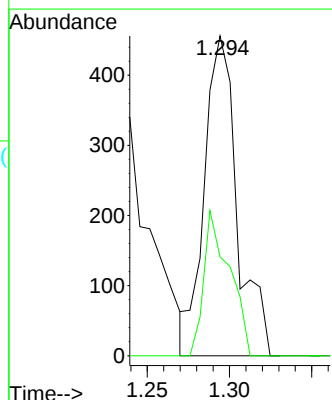
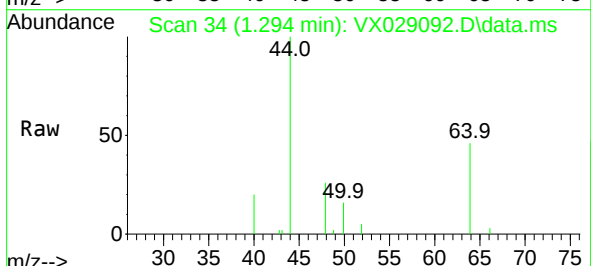
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

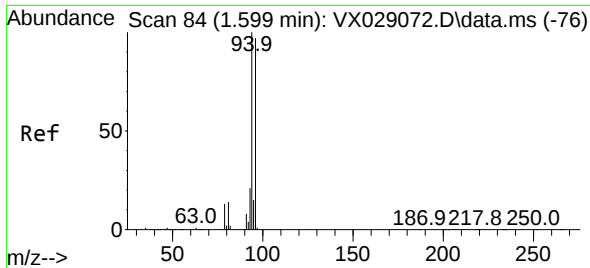
Tgt Ion:168 Resp: 331175
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 50 Resp: 633
Ion Ratio Lower Upper
50 100
52 30.9 26.4 39.6

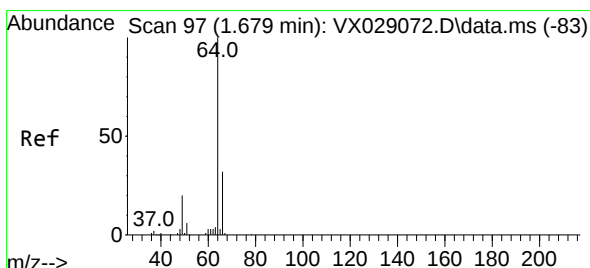
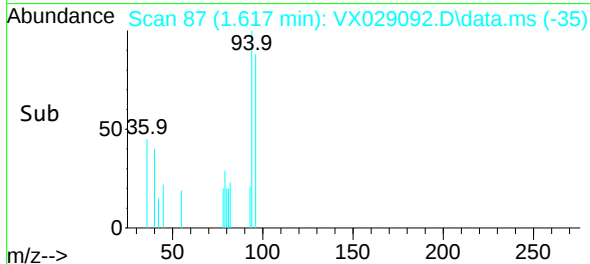
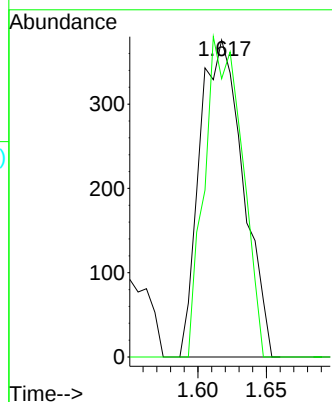
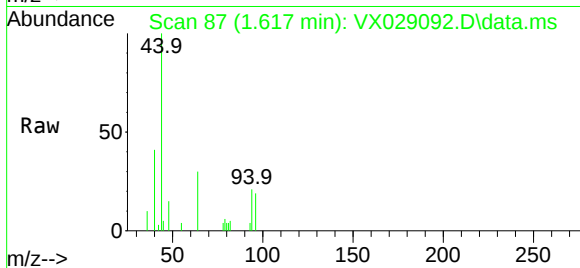




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

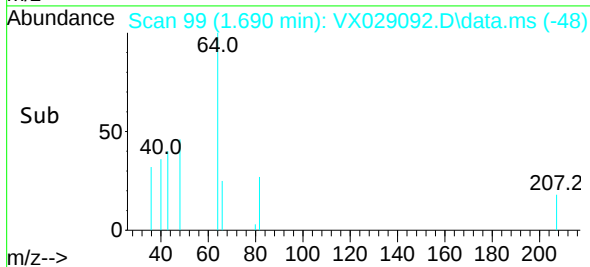
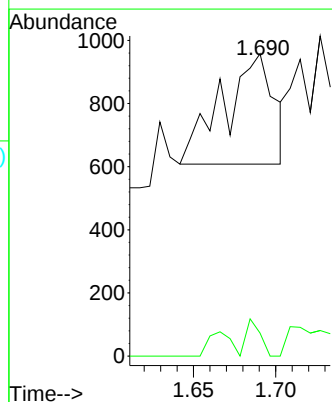
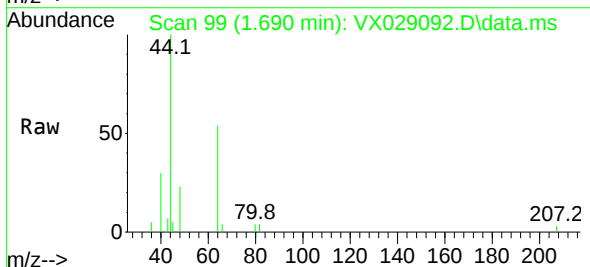
Instrument :
MSVOA_X
ClientSampleId :
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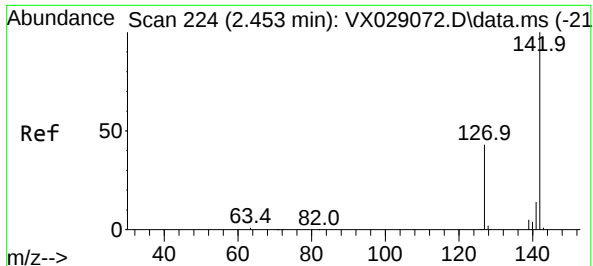
Tgt Ion: 94 Resp: 831
Ion Ratio Lower Upper
94 100
96 87.8 75.3 112.9



#6
Chloroethane
Concen: 1.655 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 64 Resp: 749
Ion Ratio Lower Upper
64 100
66 20.9 25.3 37.9#

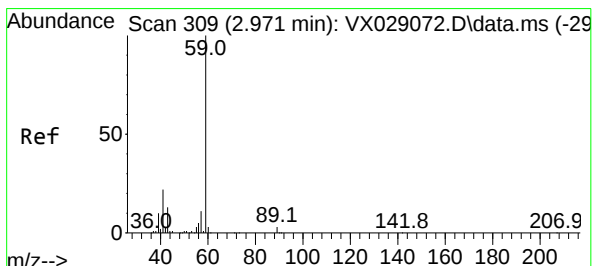
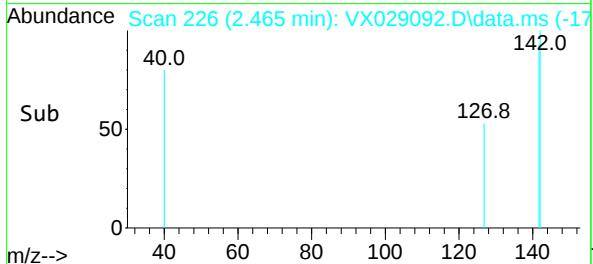
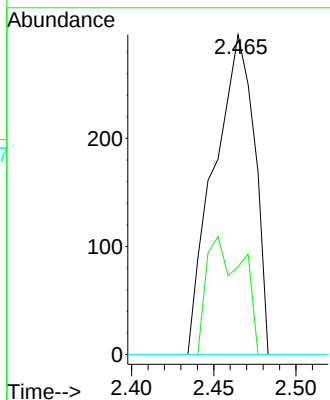
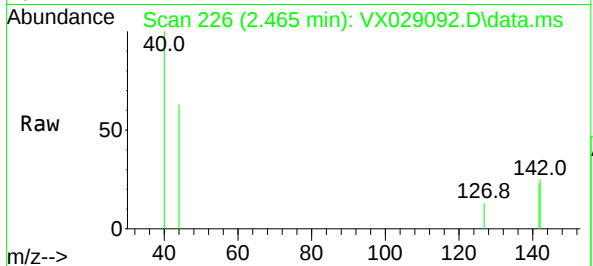




#10
Methyl Iodide
Concen: 4.351 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

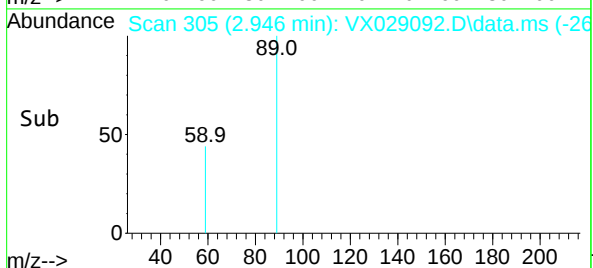
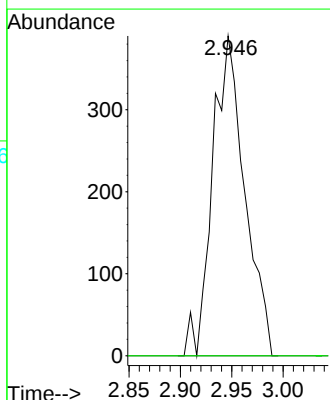
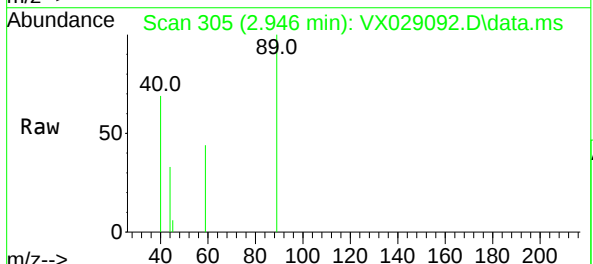
Instrument :
MSVOA_X
ClientSampleId :
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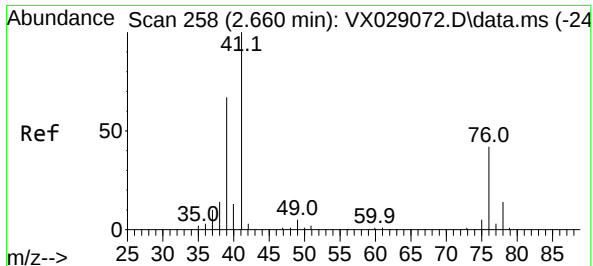
Tgt Ion:142 Resp: 506
Ion Ratio Lower Upper
142 100
127 32.6 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.983 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.306 ug/l

RT: 2.538 min Scan# 213

Delta R.T. -0.122 min

Lab File: VX029092.D

Acq: 31 May 2022 22:22

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

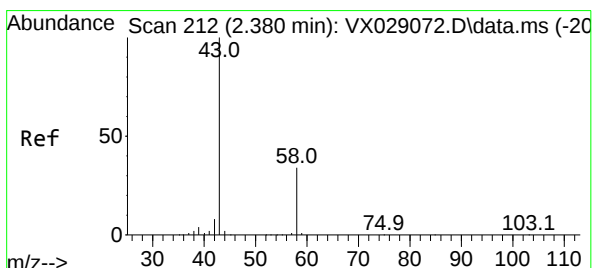
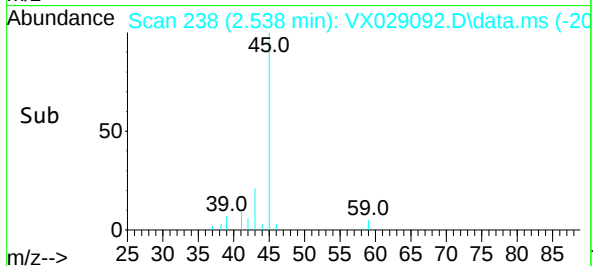
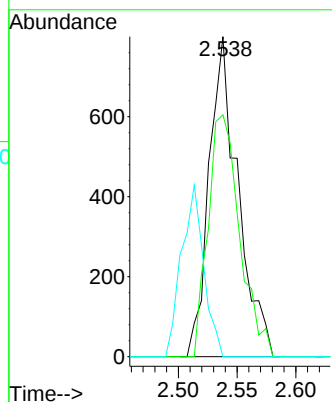
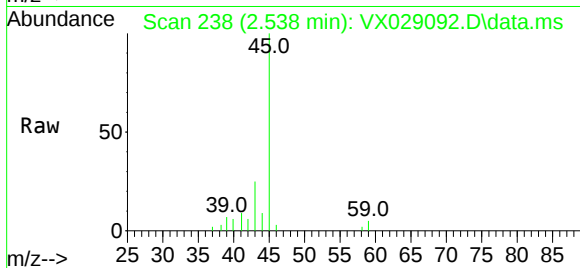
Tgt Ion: 41 Resp: 1370

Ion Ratio Lower Upper

41 100

39 82.6 50.4 75.6#

76 0.0 32.7 49.1#



#16

Acetone

Concen: 2.209 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.005 min

Lab File: VX029092.D

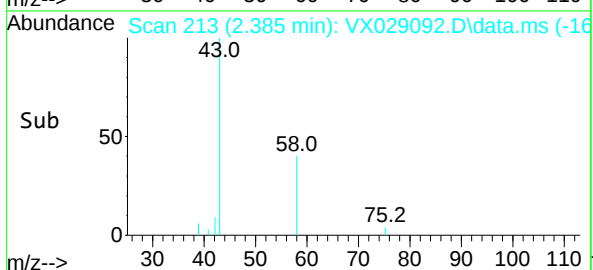
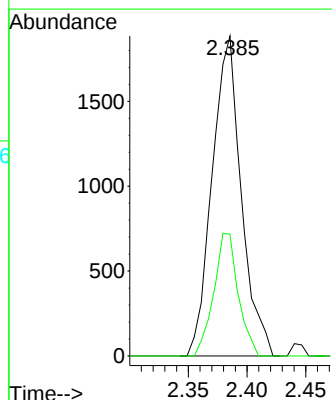
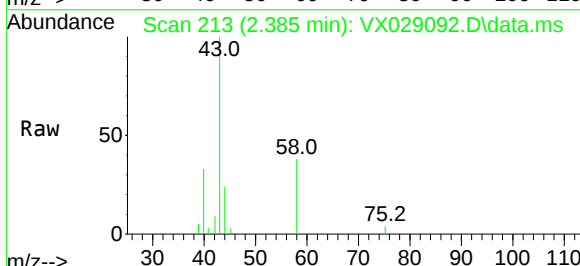
Acq: 31 May 2022 22:22

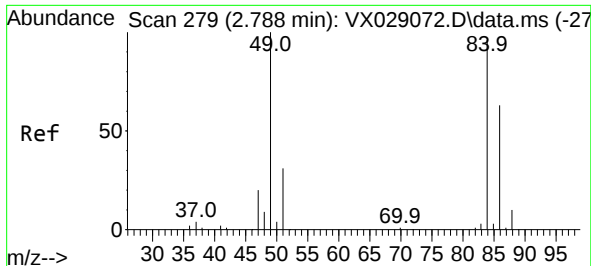
Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

58 38.0 28.8 43.2

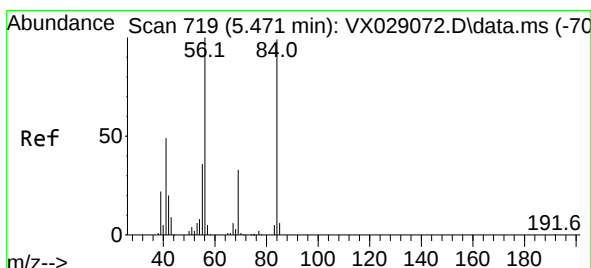
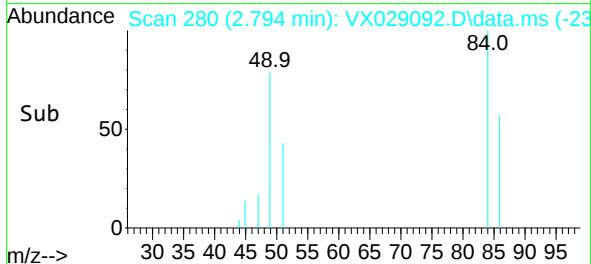
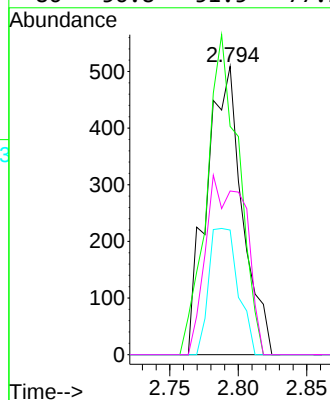
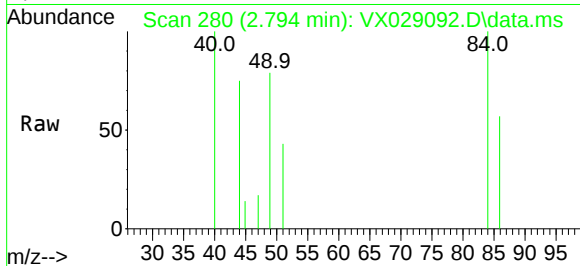




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

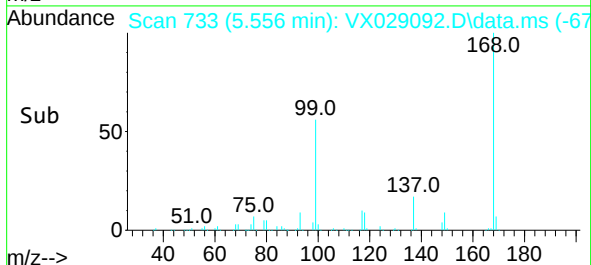
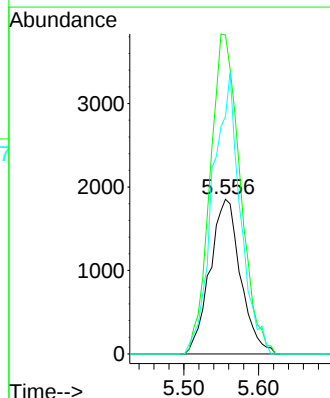
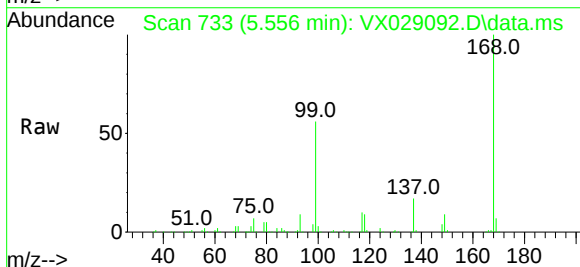
Instrument :
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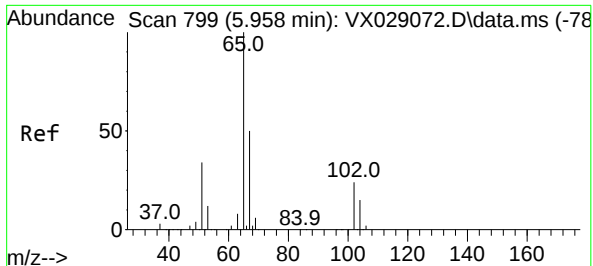
Tgt Ion:	84	Resp:	919
Ion	Ratio	Lower	Upper
84	100		
49	79.2	85.5	128.3#
51	43.2	26.6	39.8#
86	56.8	51.5	77.3



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion:	56	Resp:	5272
Ion	Ratio	Lower	Upper
56	100		
69	206.2	26.7	40.1#
84	153.5	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.153 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029092.D

Acq: 31 May 2022 22:22

Instrument :

MSVOA_X

ClientSampleId :

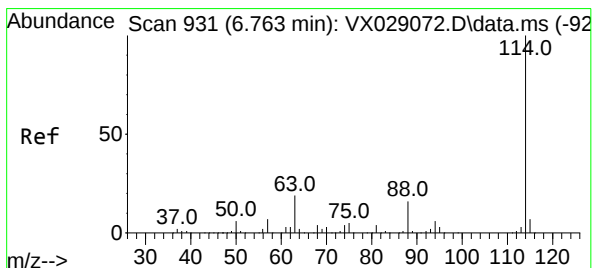
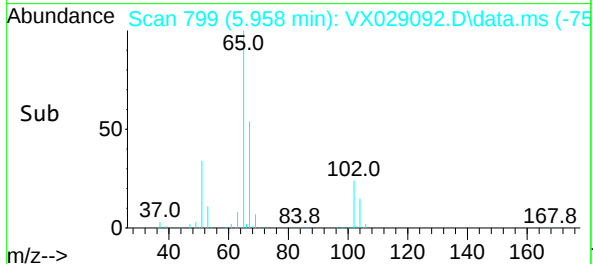
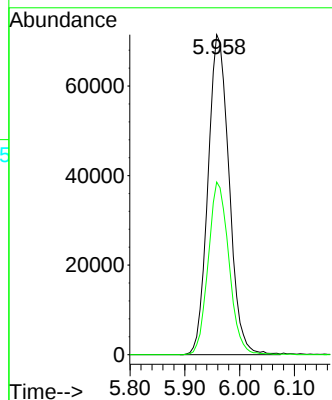
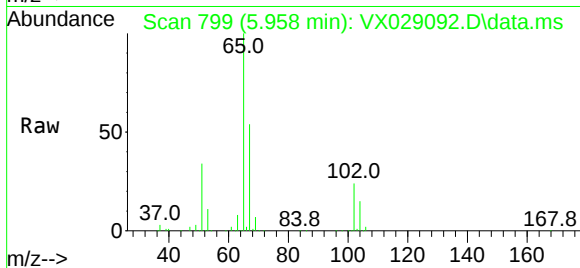
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Tgt Ion: 65 Resp: 191030

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029092.D

Acq: 31 May 2022 22:22

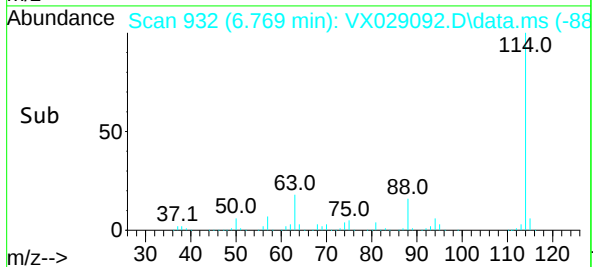
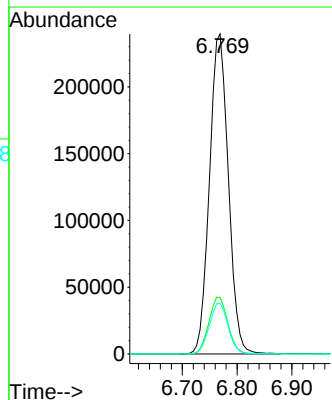
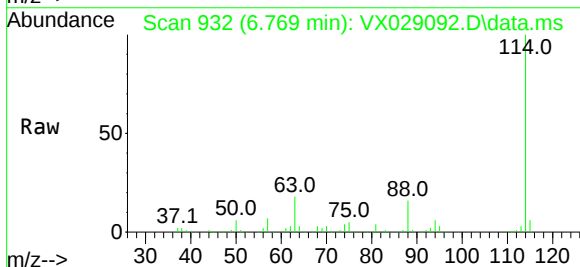
Tgt Ion: 114 Resp: 571948

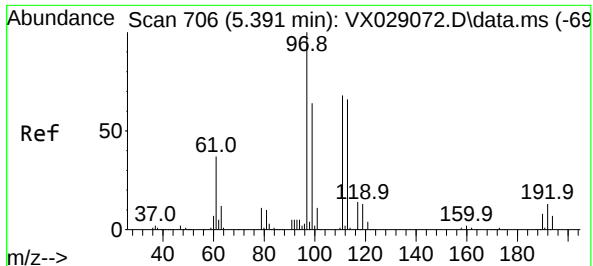
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.458 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029092.D

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Instrument :

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ClientSampleId :

TRIP-BLANK

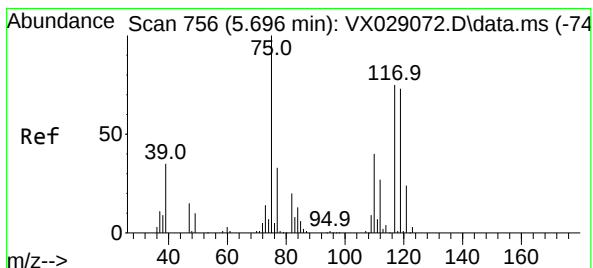
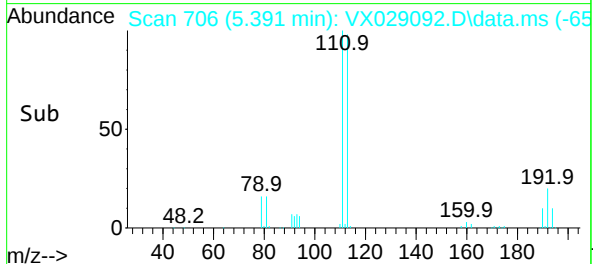
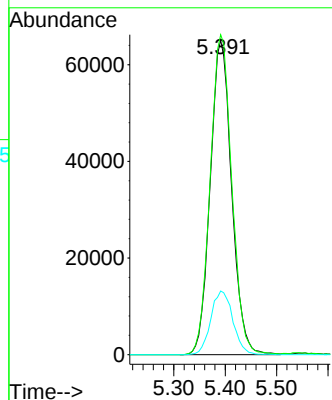
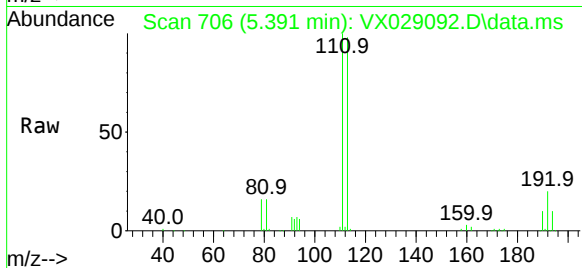
Tgt Ion:113 Resp: 187892

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029092.D

Acq: 31 May 2022 22:22

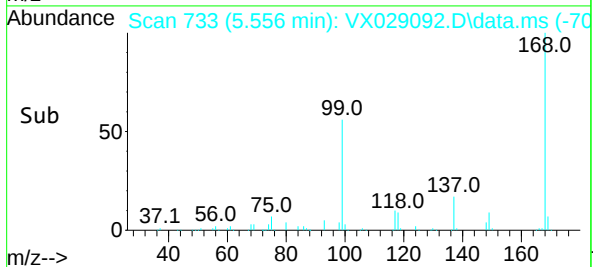
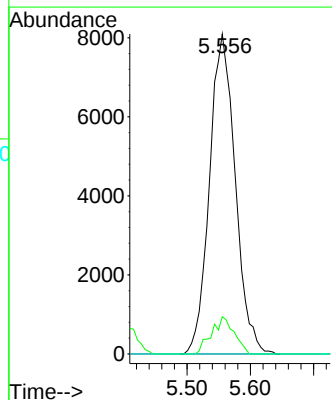
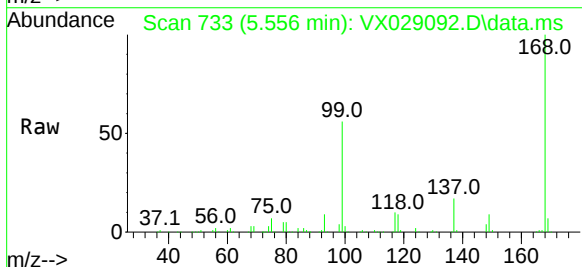
Tgt Ion: 75 Resp: 22879

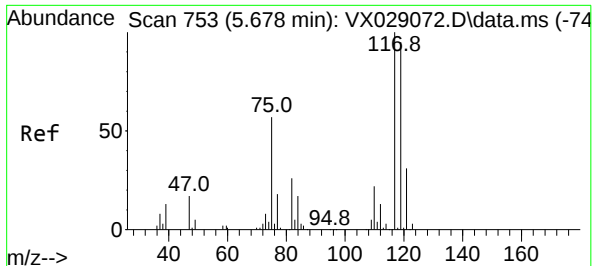
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX029092.D

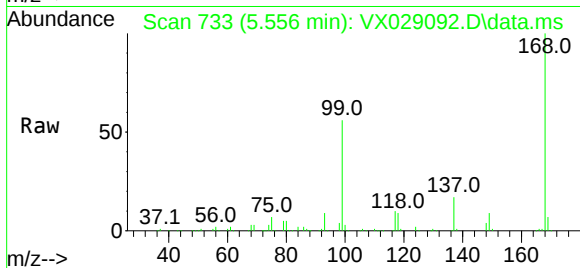
Acq: 31 May 2022 22:22

Instrument :

MSVOA_X

ClientSampleId :

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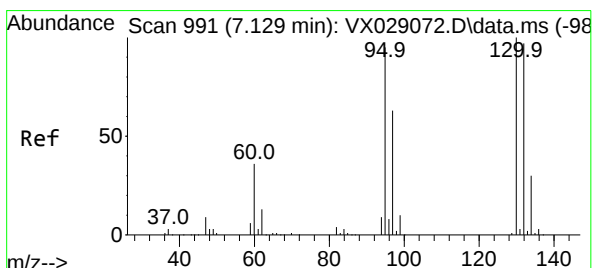
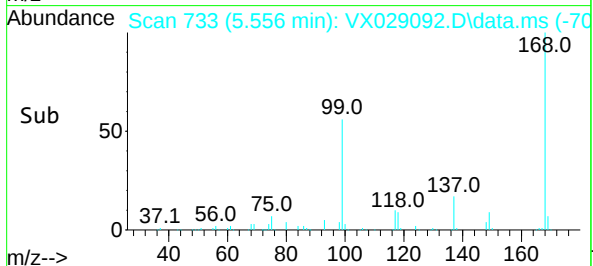
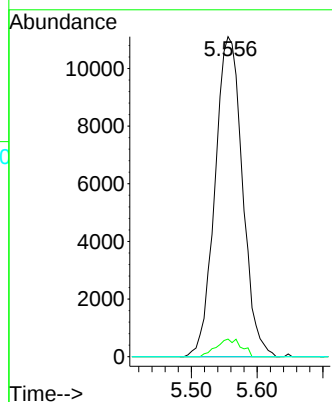
Tgt Ion:117 Resp: 32253

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

121 0.0 24.2 36.2#



#44

Trichloroethene

Concen: Below Cal

RT: 7.141 min Scan# 993

Delta R.T. 0.012 min

Lab File: VX029092.D

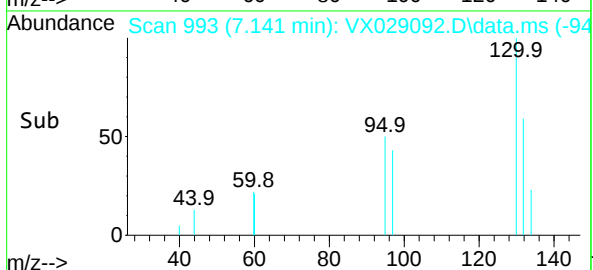
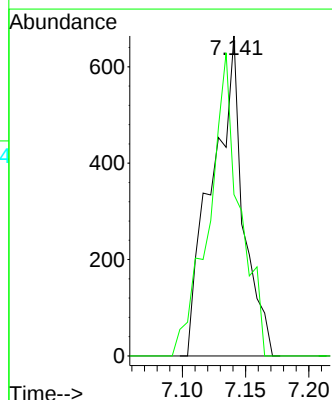
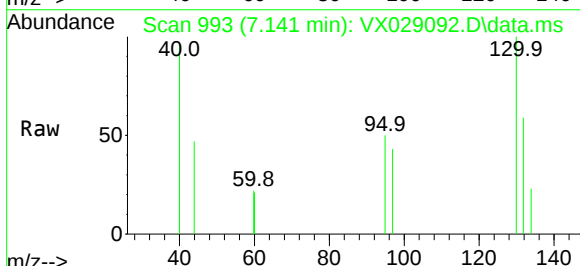
Acq: 31 May 2022 22:22

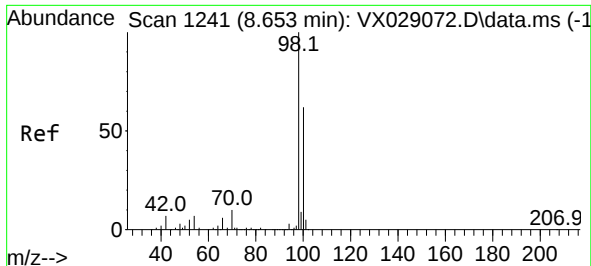
Tgt Ion:130 Resp: 1140

Ion Ratio Lower Upper

130 100

95 50.5 0.0 188.8

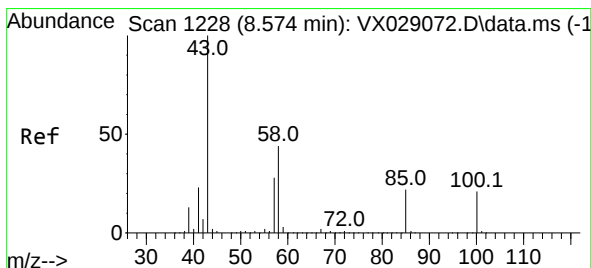
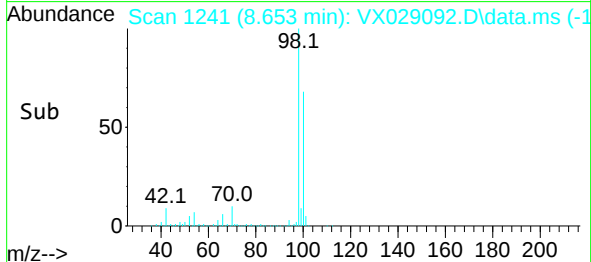
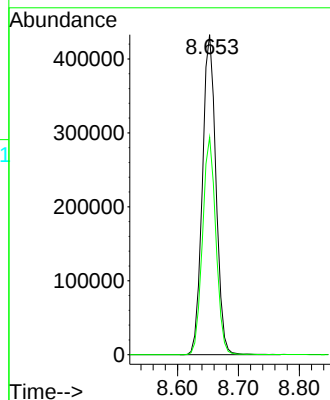
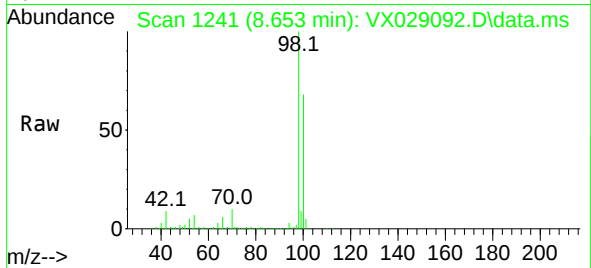




#50
Toluene-d8
Concen: 48.229 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

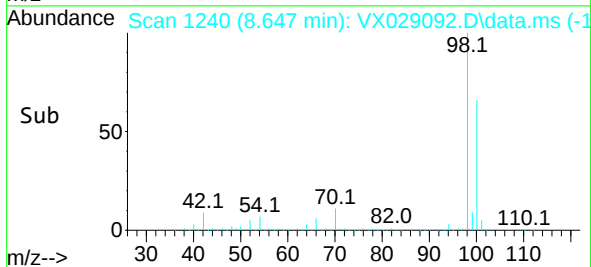
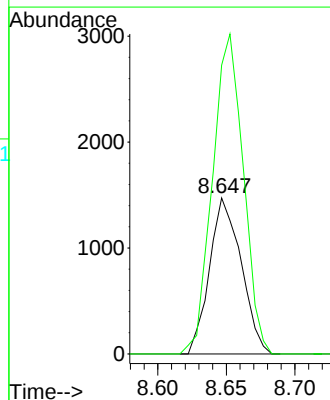
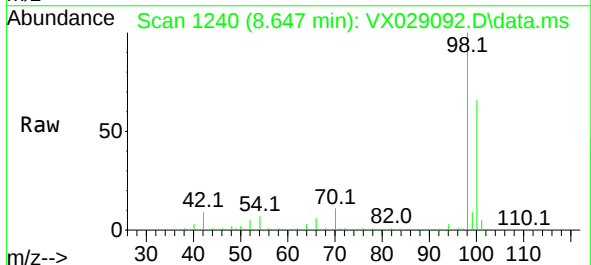
Instrument :
MSVOA_X
ClientSampleId :
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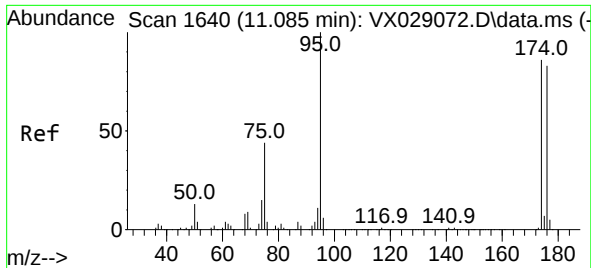
Tgt Ion: 98 Resp: 670117
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 43 Resp: 2364
Ion Ratio Lower Upper
43 100
58 199.9 36.1 54.1#

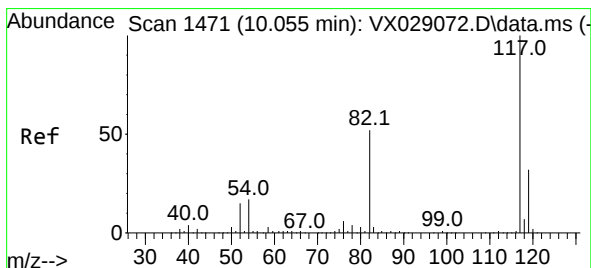
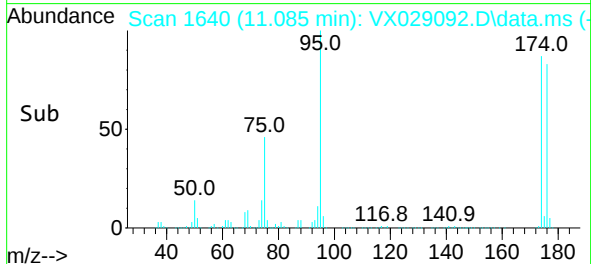
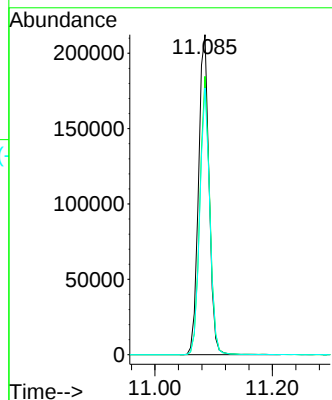
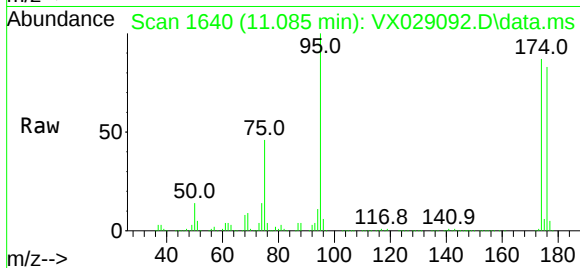




#62
4-Bromofluorobenzene
Concen: 49.218 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

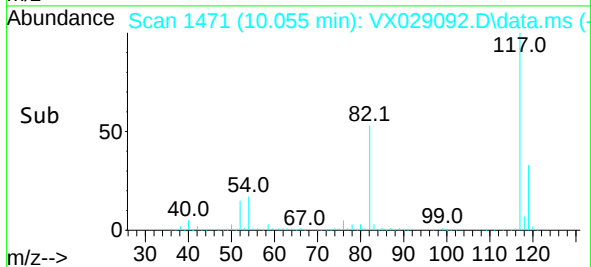
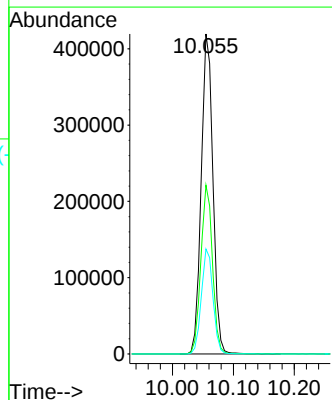
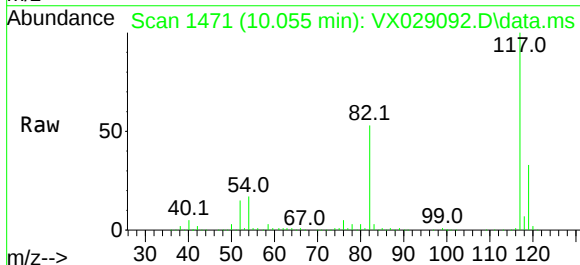
Instrument :
MSVOA_X
ClientSampleId :
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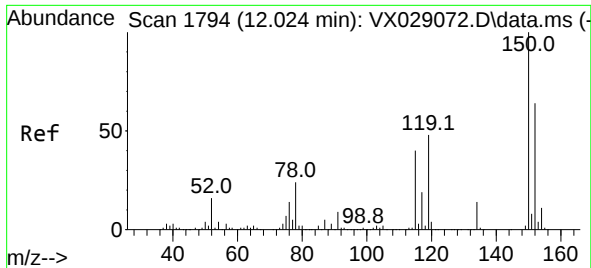
Tgt Ion: 95 Resp: 264348
Ion Ratio Lower Upper
95 100
174 82.1 0.0 163.0
176 79.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 117 Resp: 560724
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.8 24.8 37.2

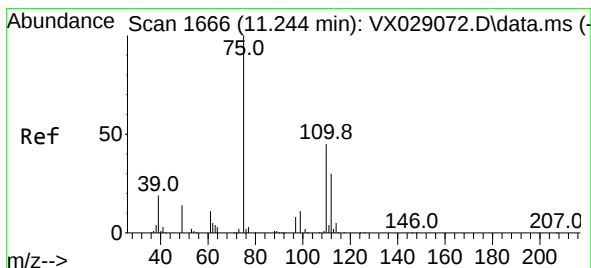
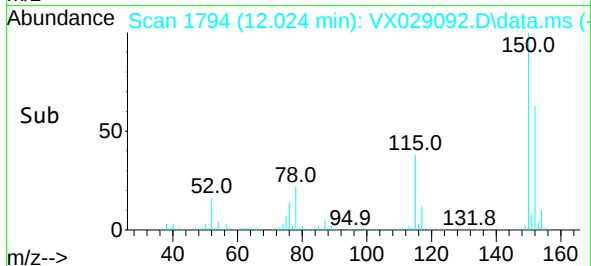
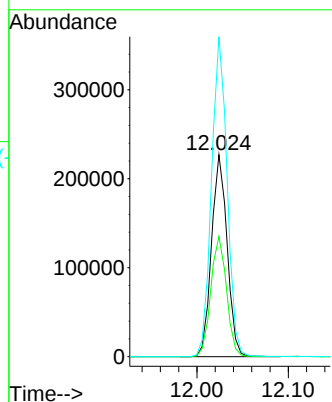
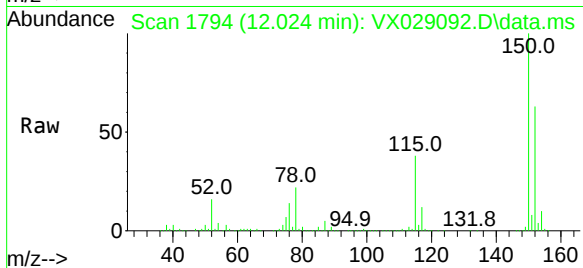




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

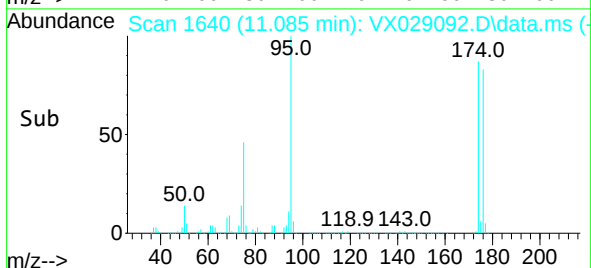
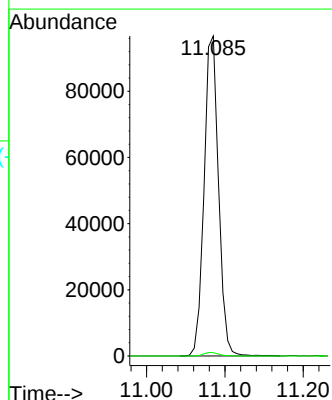
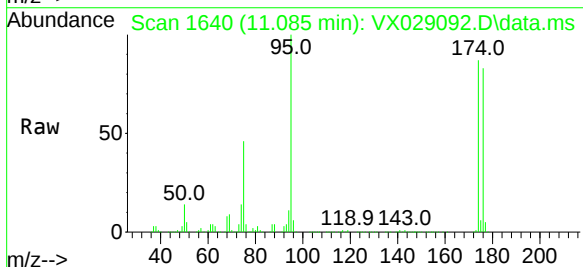
Instrument :
MSVOA_X
ClientSampleId :
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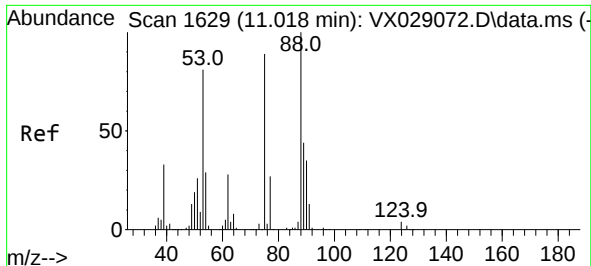
Tgt Ion:152 Resp: 268700
Ion Ratio Lower Upper
152 100
115 59.7 37.5 112.7
150 158.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.679 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 75 Resp: 123533
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

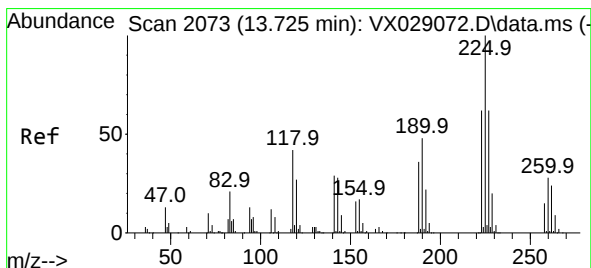
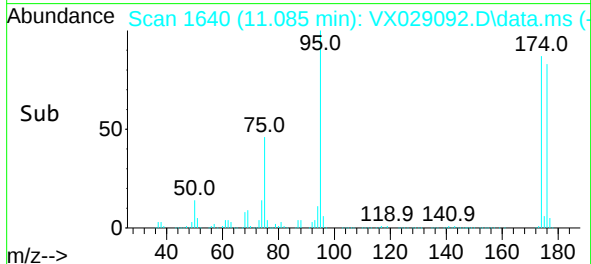
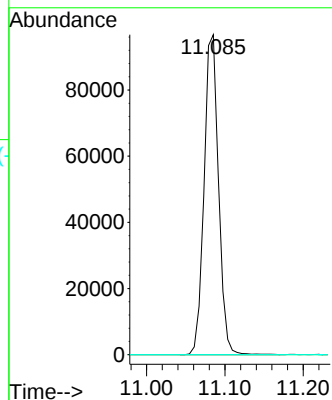
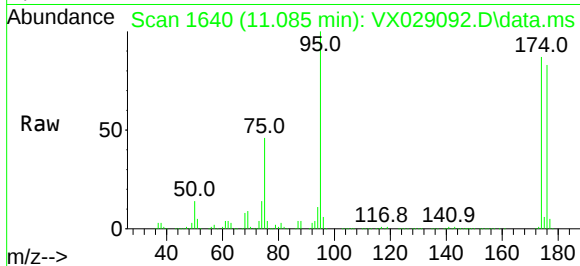




#81
trans-1,4-Dichloro-2-butene
Concen: 66.536 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 123533
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.737 min Scan# 2075
Delta R.T. 0.012 min
Lab File: VX029092.D
Acq: 31 May 2022 22:22

Tgt Ion: 225 Resp: 21
Ion Ratio Lower Upper
225 100
223 0.0 34.2 102.5#
227 0.0 33.9 101.7#

