

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030297.D
 Acq On : 29 Jul 2022 13:02
 Operator : JC/MD
 Sample : N3975-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220727002-01-TRIP-BLANK

Quant Time: Aug 01 05:11:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

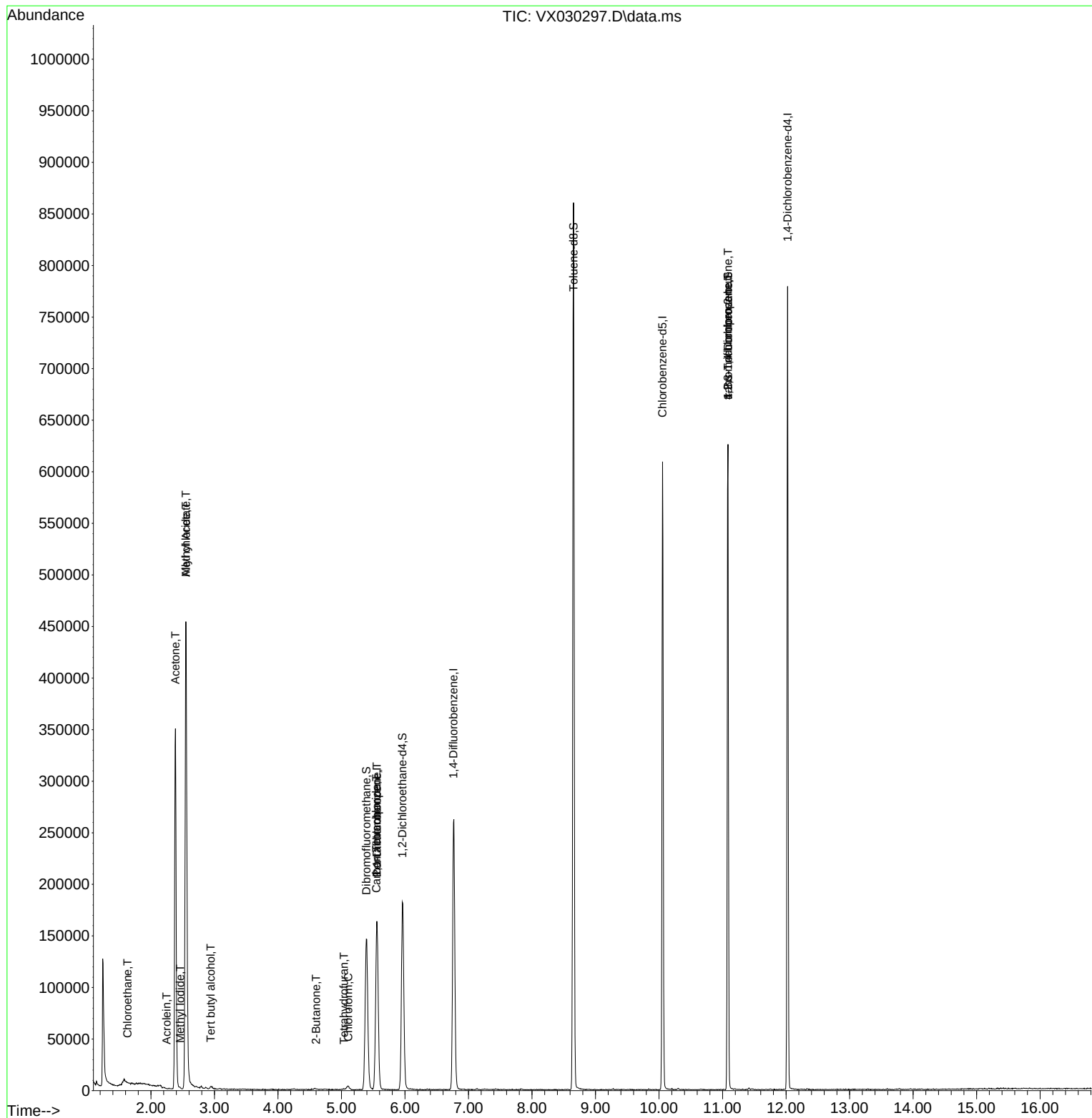
Internal Standards							
1) Pentafluorobenzene	5.556	168		152747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114		268199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		270255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		150161	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65		169062	55.067	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.140%	
35) Dibromofluoromethane	5.391	113		132759	51.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.560%	
50) Toluene-d8	8.653	98		503849	50.746	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%	
62) 4-Bromofluorobenzene	11.085	95		174702	47.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.820%	
Target Compounds							Qvalue
5) Bromomethane	1.611	94		470	Below Cal	#	62
6) Chloroethane	1.630	64		3522	2.452	ug/l #	49
10) Methyl Iodide	2.459	142		1008	1.936	ug/l #	83
11) Tert butyl alcohol	2.940	59		1843	2.461	ug/l #	74
13) Acrolein	2.245	56		49	0.266	ug/l #	14
14) Allyl chloride	2.550	41		46912	9.527	ug/l #	59
16) Acetone	2.386	43		366784	233.350	ug/l	95
18) Methyl Acetate	2.550	43		118266	25.438	ug/l #	51
20) Methylene Chloride	2.794	84		645	Below Cal	#	75
25) 2-Butanone	4.599	43		1084	0.410	ug/l #	84
29) Tetrahydrofuran	5.038	42		807	0.454	ug/l #	52
30) Chloroform	5.105	83		3824	0.780	ug/l	88
36) 1,1-Dichloropropene	5.556	75		12678	3.436	ug/l #	48
38) Carbon Tetrachloride	5.550	117		15436	4.481	ug/l #	17
67) Ethyl Benzene	10.201	91		362	Below Cal	#	75
76) 1,2,3-Trichloropropane	11.085	75		86785	21.926	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75		86785	65.775	ug/l #	12

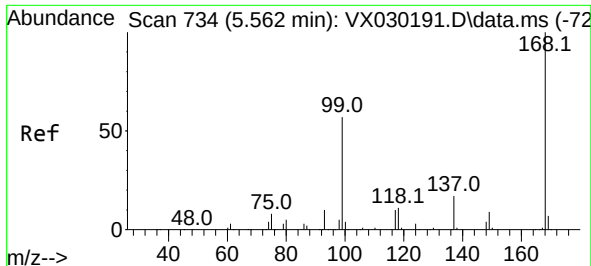
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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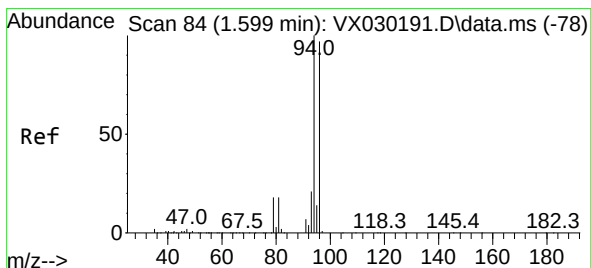
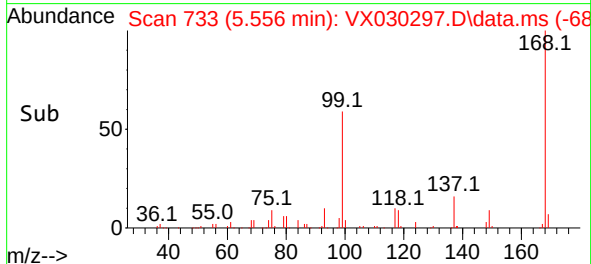
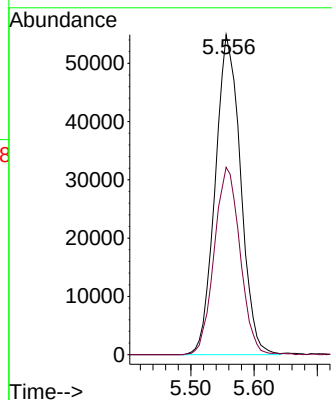
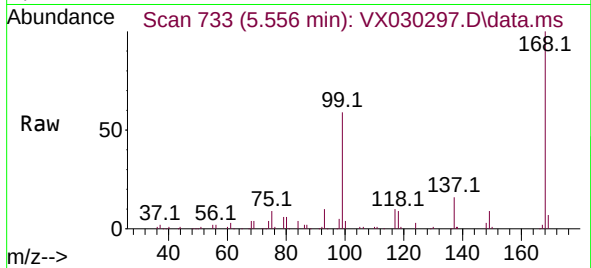




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

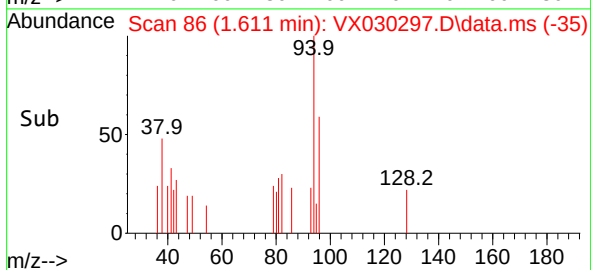
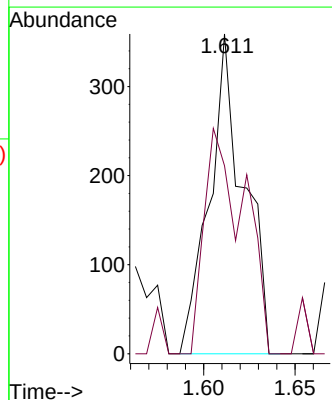
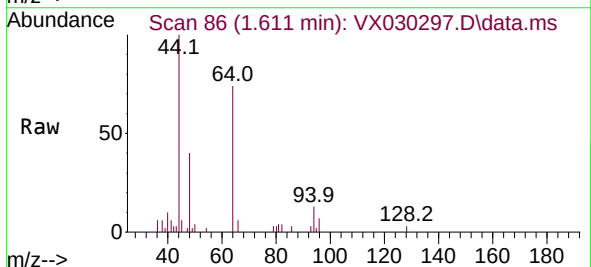
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

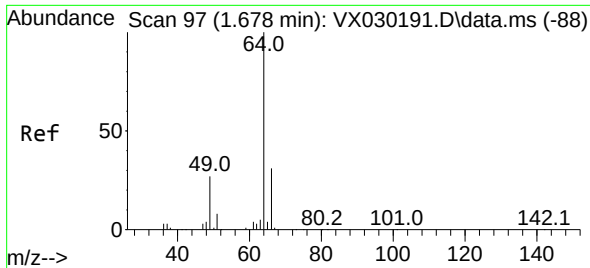
Tgt Ion:168 Resp: 152747
Ion Ratio Lower Upper
168 100
99 58.5 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 94 Resp: 470
Ion Ratio Lower Upper
94 100
96 58.8 76.9 115.3#

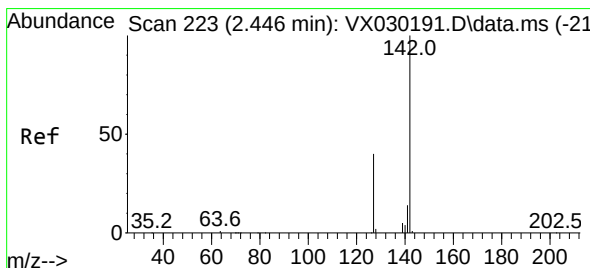
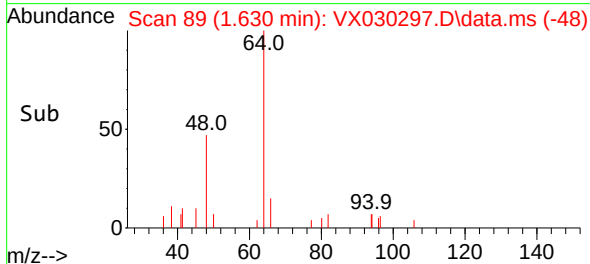
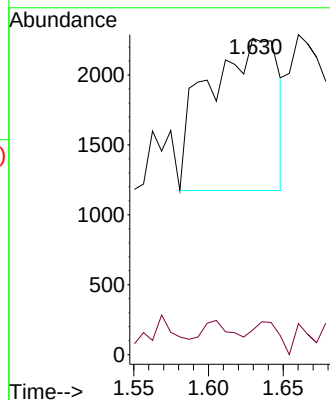
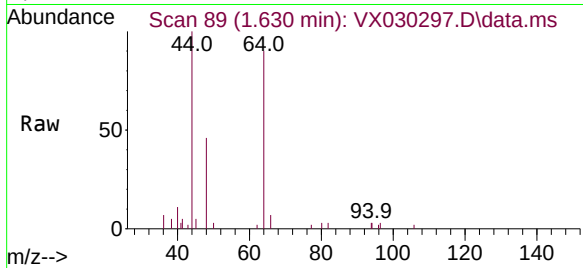




#6
Chloroethane
Concen: 2.452 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.048 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

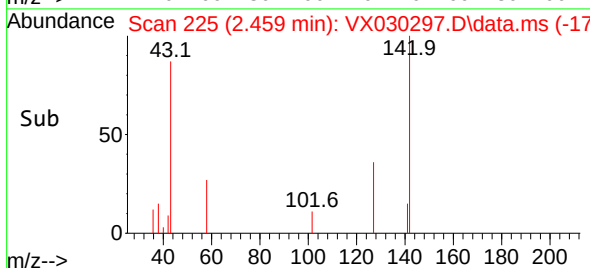
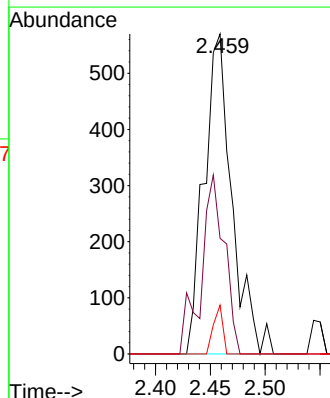
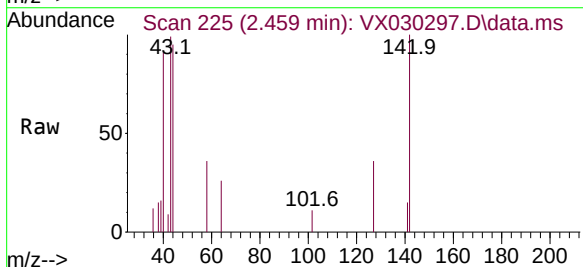
Instrument :
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ClientSampleId :
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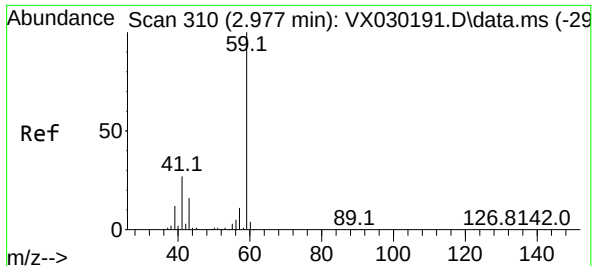
Tgt Ion: 64 Resp: 3522
Ion Ratio Lower Upper
64 100
66 4.6 27.2 40.8#



#10
Methyl Iodide
Concen: 1.936 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.013 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 142 Resp: 1008
Ion Ratio Lower Upper
142 100
127 46.4 30.2 45.2#
141 5.1 11.3 16.9#

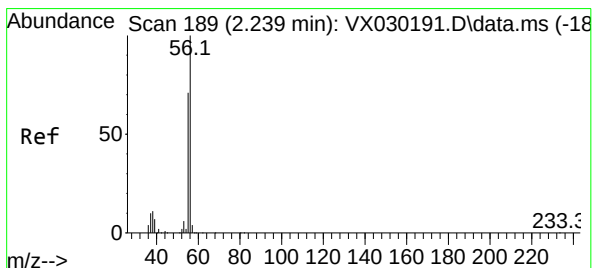
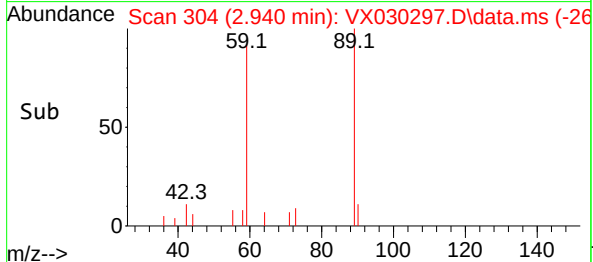
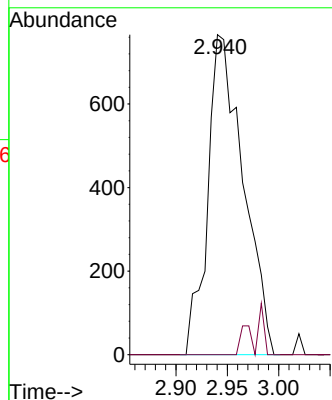
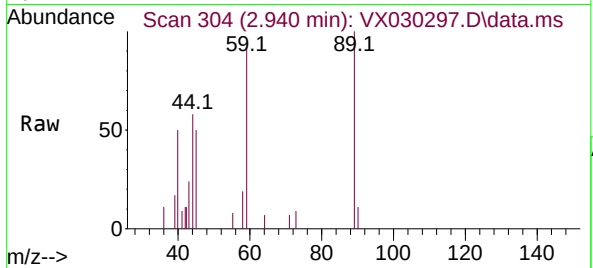




#11
Tert butyl alcohol
Concen: 2.461 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

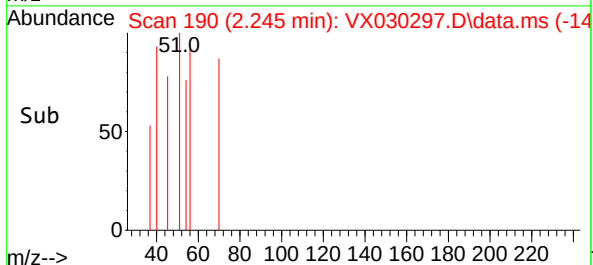
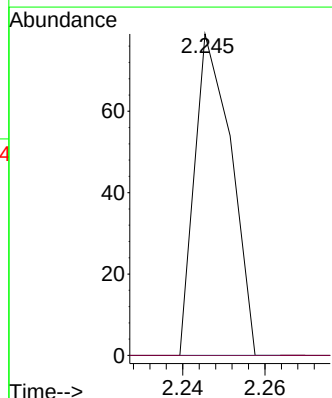
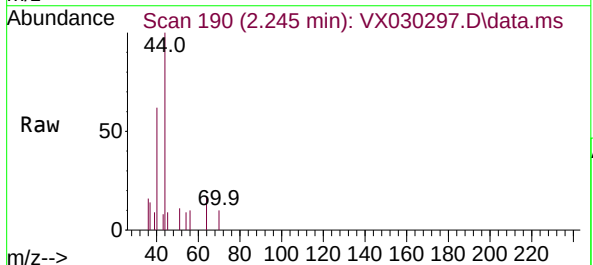
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

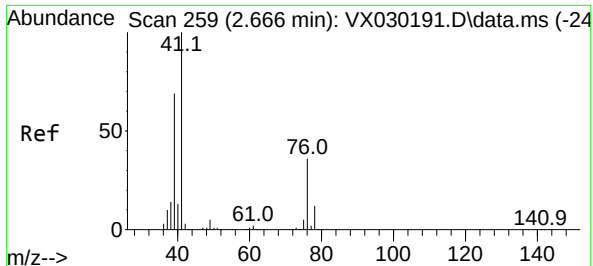
Tgt Ion: 59 Resp: 1843
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 0.266 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

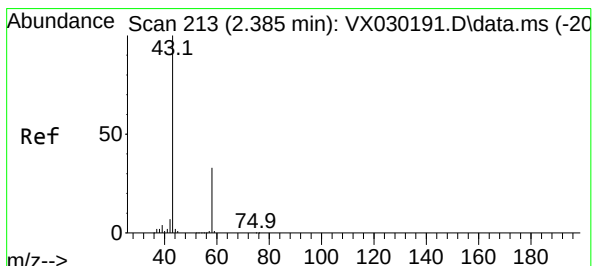
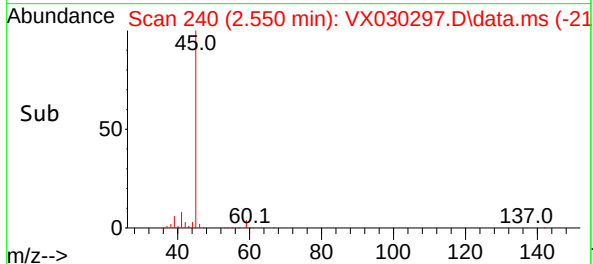
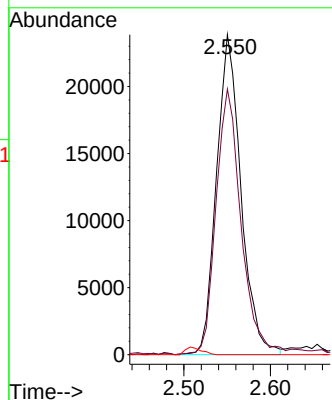
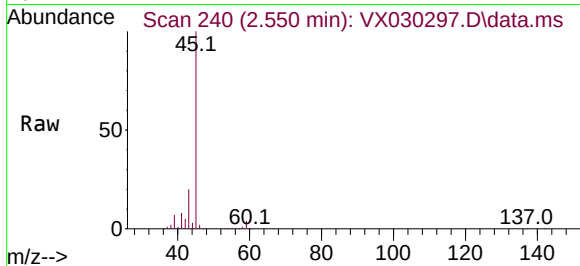




#14
Allyl chloride
Concen: 9.527 ug/l
RT: 2.550 min Scan# 24
Delta R.T. -0.116 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

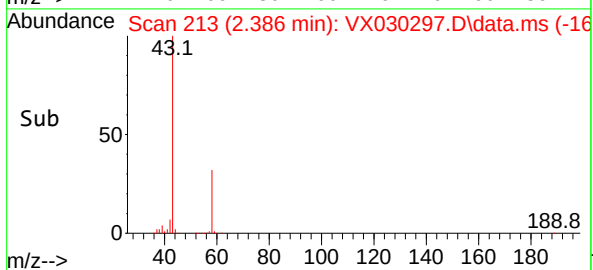
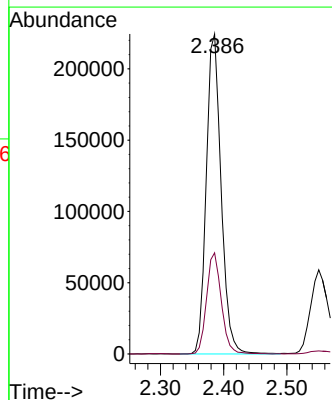
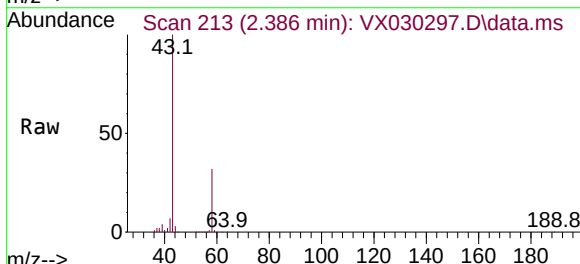
Instrument :
MSVOA_X
ClientSampleId :
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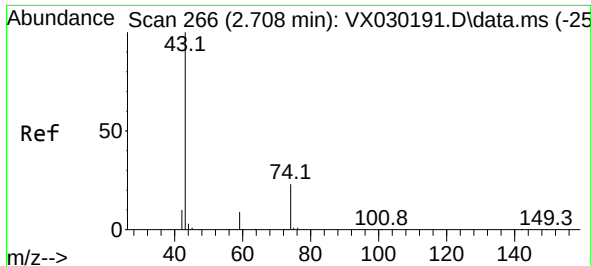
Tgt Ion	Ratio	Lower	Upper
41	100		
39	85.4	48.9	73.3#
76	0.0	26.9	40.3#



#16
Acetone
Concen: 233.350 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.7	41.5

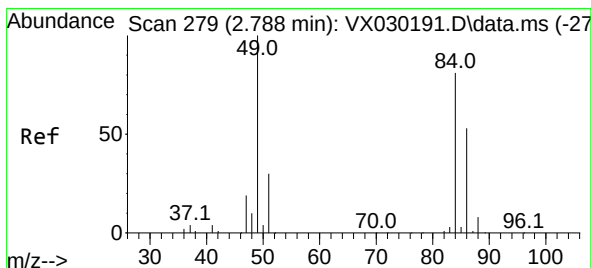
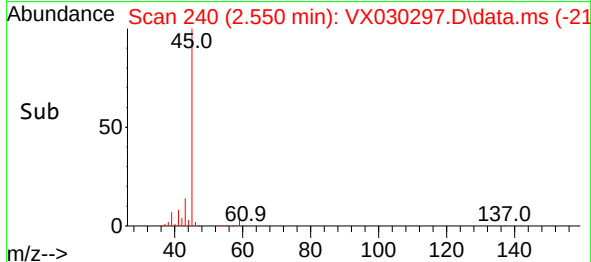
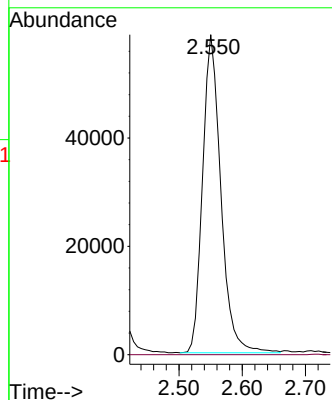
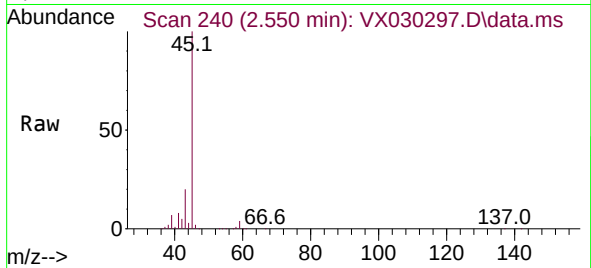




#18
Methyl Acetate
Concen: 25.438 ug/l
RT: 2.550 min Scan# 24
Delta R.T. -0.158 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

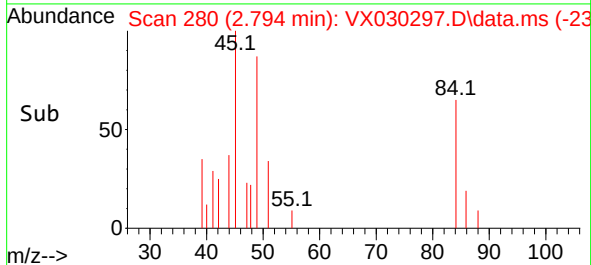
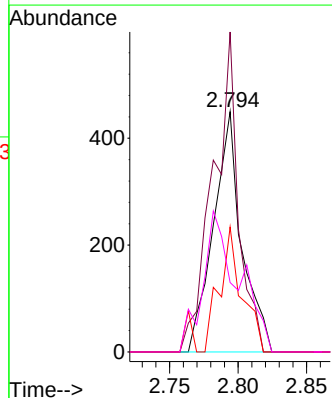
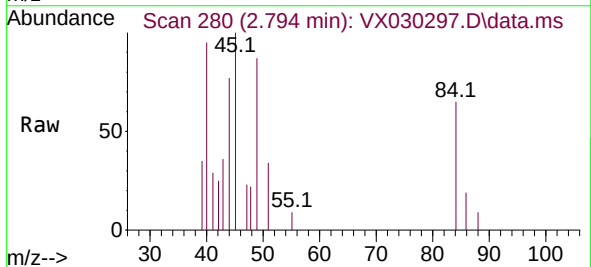
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ClientSampleId :
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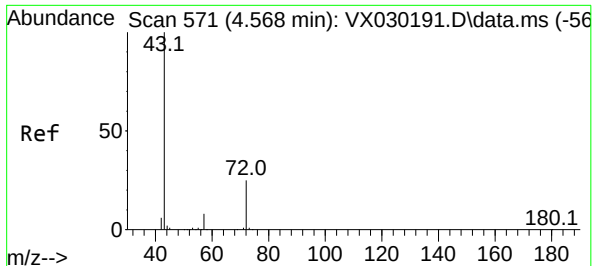
Tgt Ion: 43 Resp: 118266
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 84 Resp: 645
Ion Ratio Lower Upper
84 100
49 133.1 93.8 140.6
51 52.0 29.4 44.0#
86 28.9 51.0 76.4#

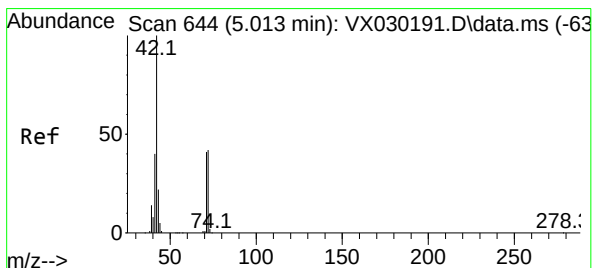
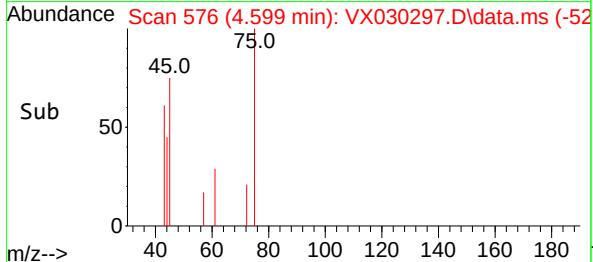
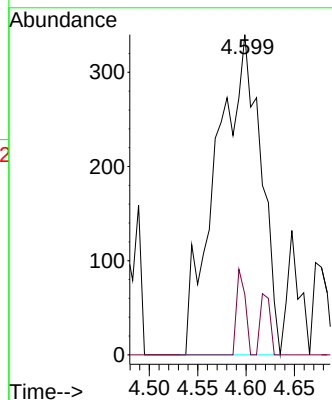
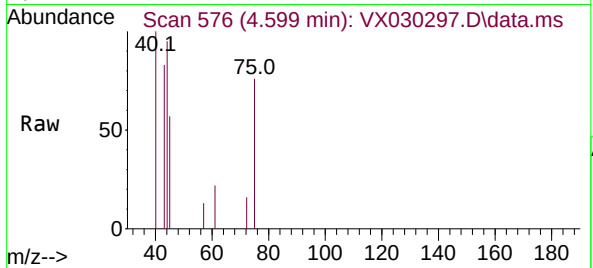




#25
2-Butanone
Concen: 0.410 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

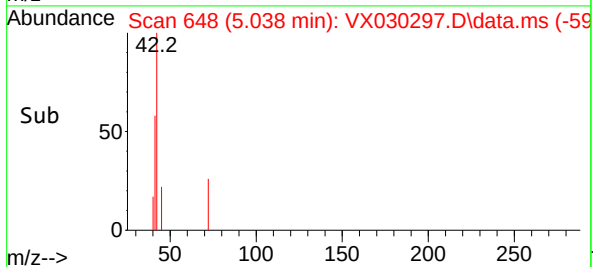
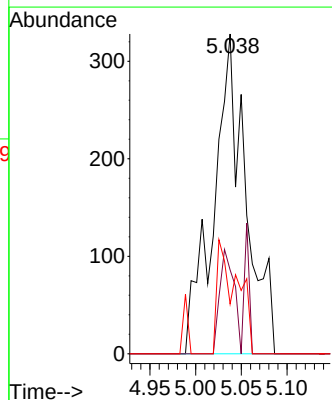
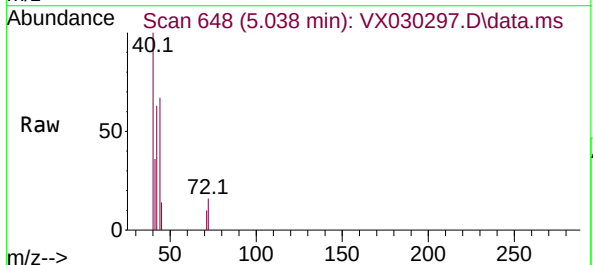
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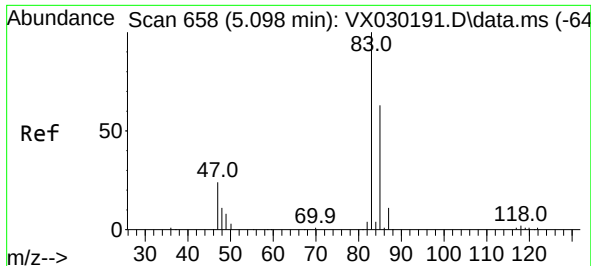
Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
72 18.8 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 42 Resp: 807
Ion Ratio Lower Upper
42 100
72 14.5 36.5 54.7#
71 11.9 33.9 50.9#





#30

Chloroform

Concen: 0.780 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX030297.D

Acq: 29 Jul 2022 13:02

Instrument :

MSVOA_X

ClientSampleId :

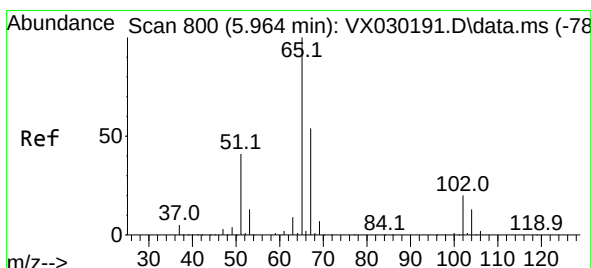
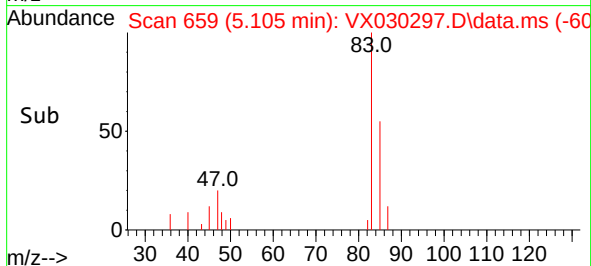
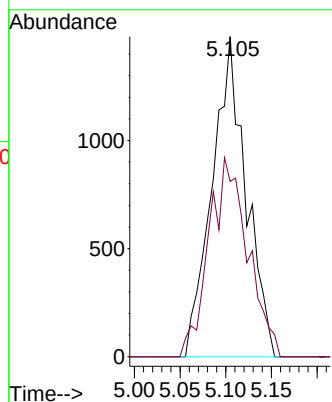
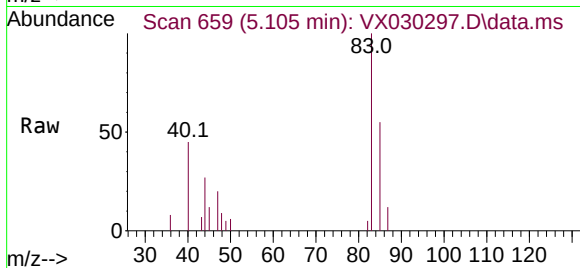
220727002-01-TRIP-BLANK

Tgt Ion: 83 Resp: 3824

Ion Ratio Lower Upper

83 100

85 54.8 51.5 77.3



#33

1,2-Dichloroethane-d4

Concen: 55.067 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030297.D

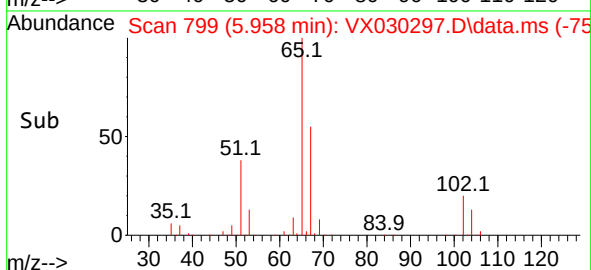
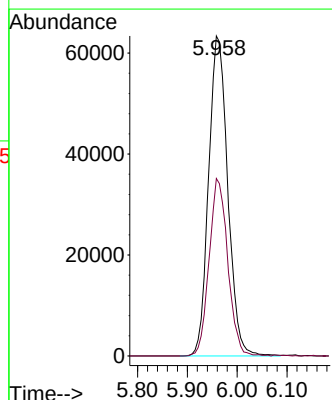
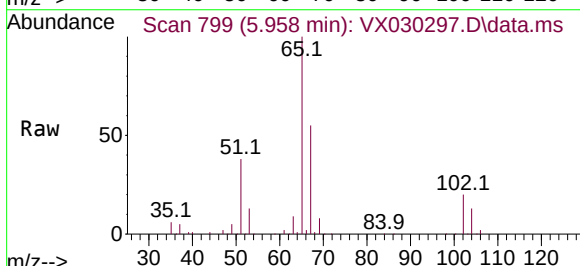
Acq: 29 Jul 2022 13:02

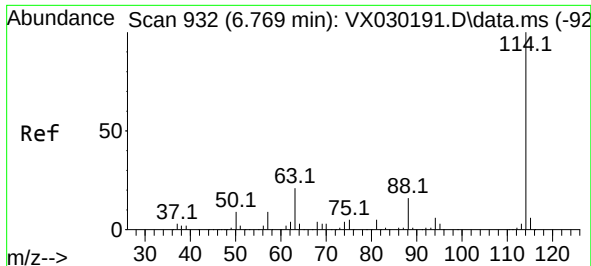
Tgt Ion: 65 Resp: 169062

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6

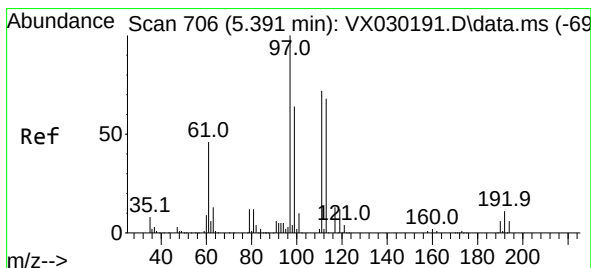
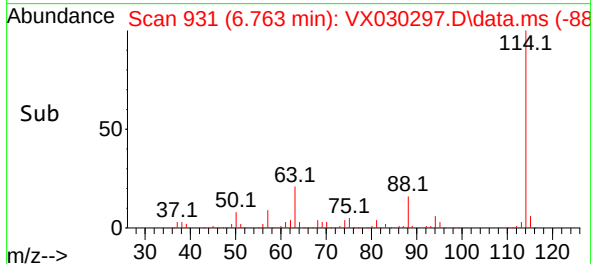
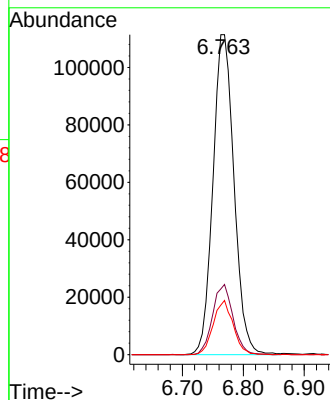
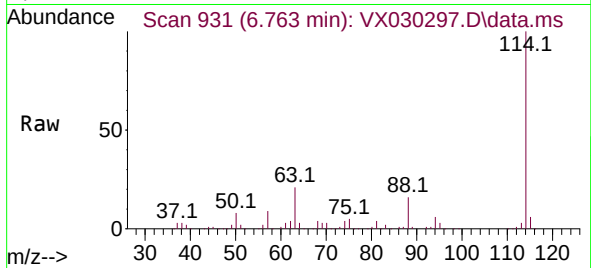




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

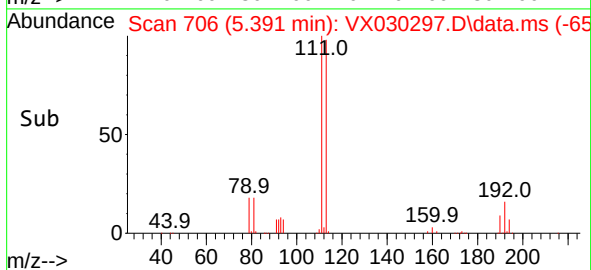
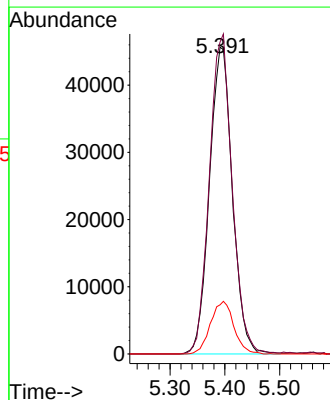
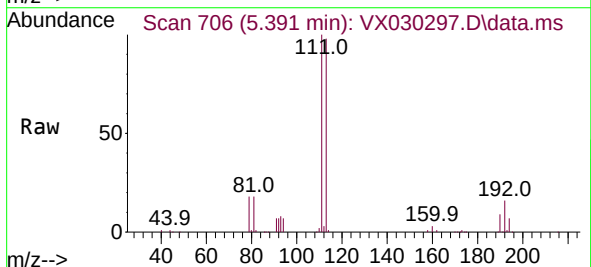
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

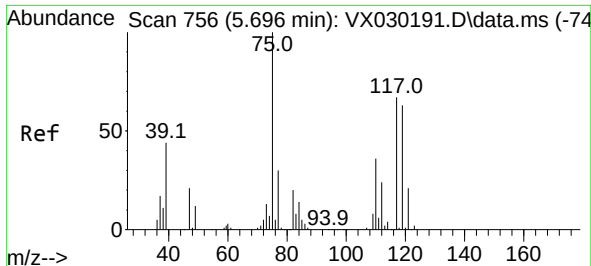
Tgt Ion:114 Resp: 268199
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.4
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.781 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion:113 Resp: 132759
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 17.5 14.8 22.2

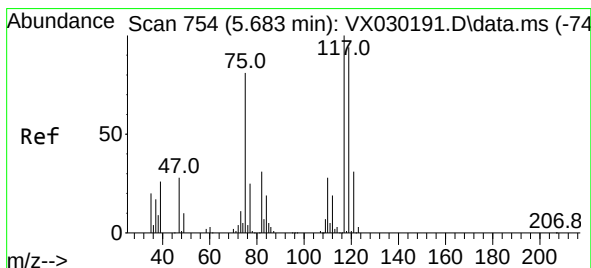
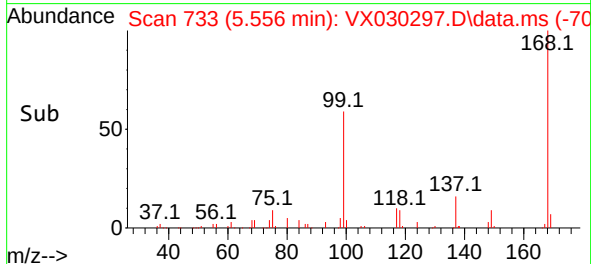
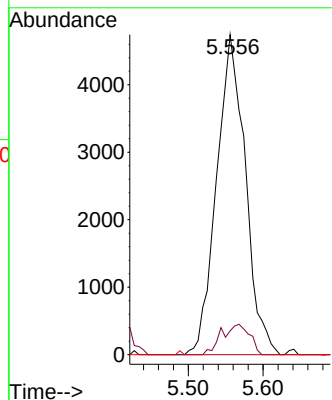
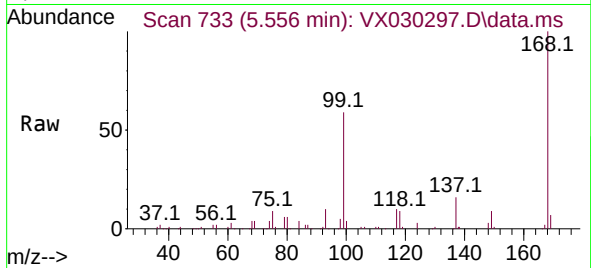




#36
1,1-Dichloropropene
Concen: 3.436 ug/l
RT: 5.556 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

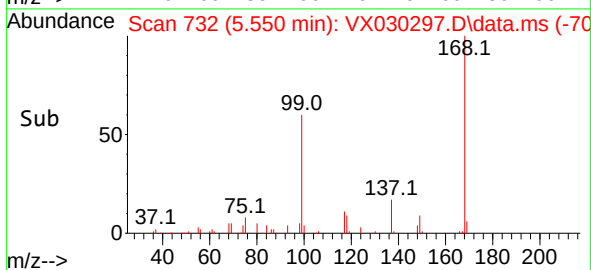
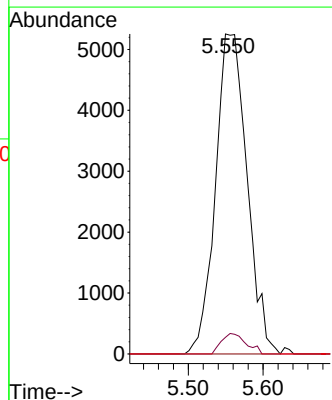
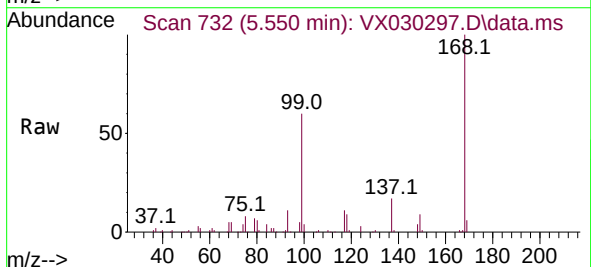
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

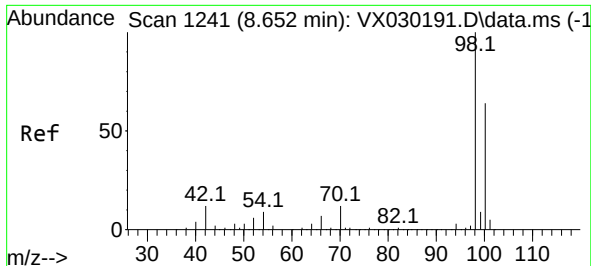
Tgt Ion: 75 Resp: 12678
Ion Ratio Lower Upper
75 100
110 9.3 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.481 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.133 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 117 Resp: 15436
Ion Ratio Lower Upper
117 100
119 5.2 74.1 111.1#
121 0.0 25.8 38.8#

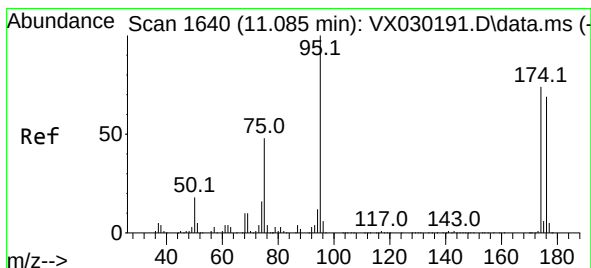
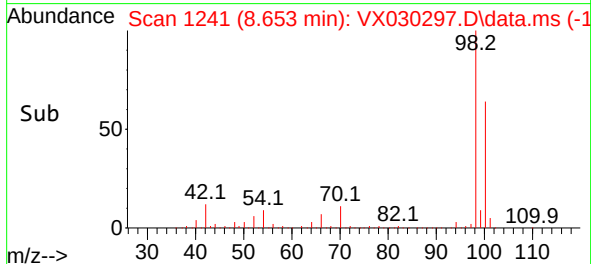
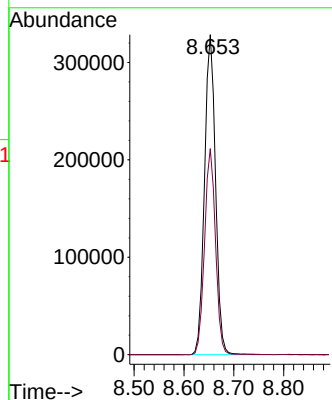
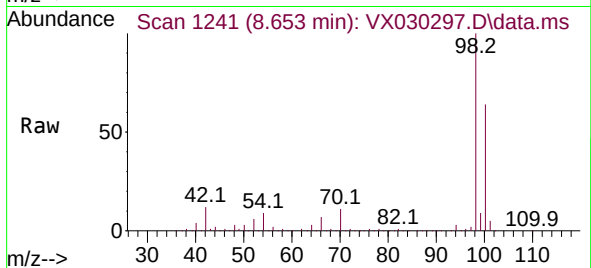




#50
Toluene-d8
Concen: 50.746 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

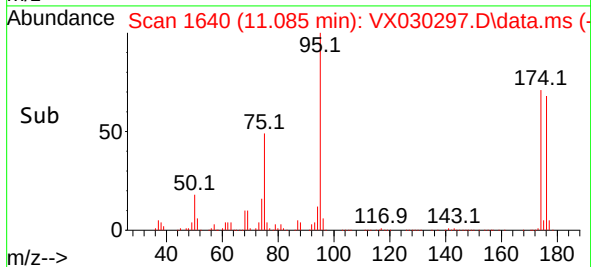
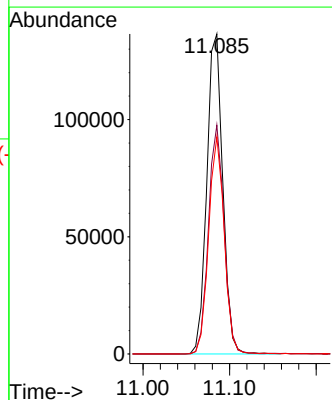
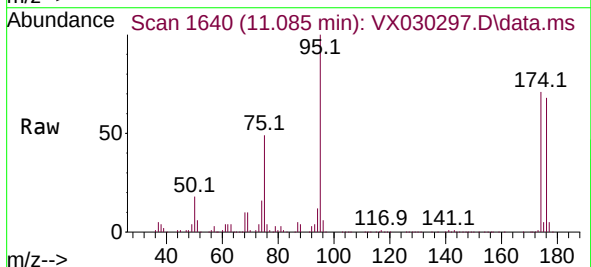
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

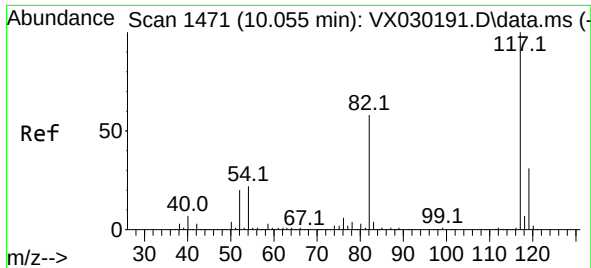
Tgt Ion: 98 Resp: 503849
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.411 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 95 Resp: 174702
Ion Ratio Lower Upper
95 100
174 70.3 0.0 149.0
176 66.3 0.0 146.0

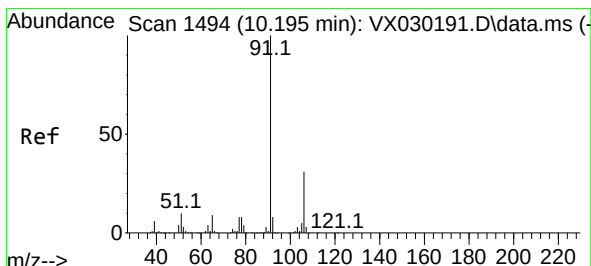
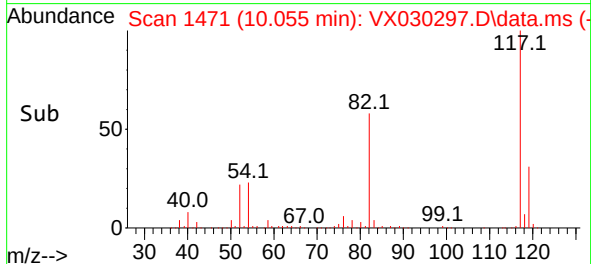
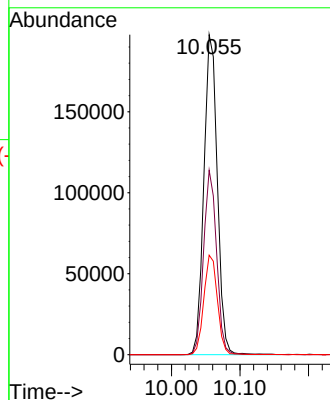
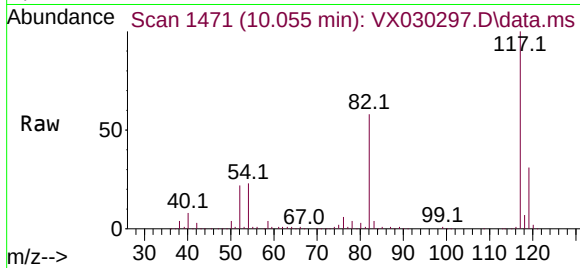




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

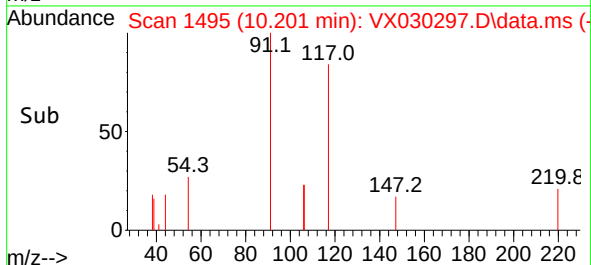
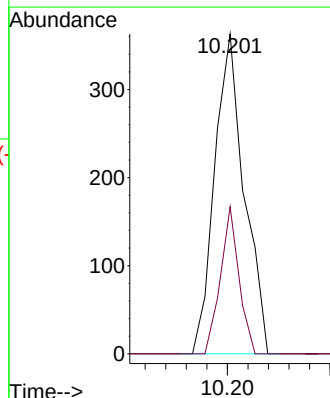
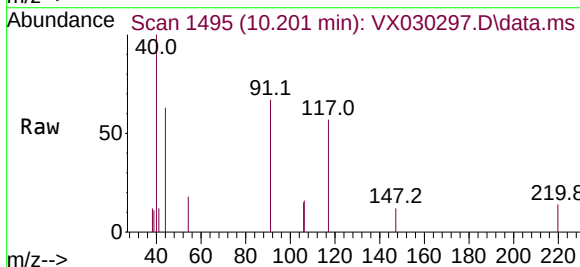
Instrument :
MSVOA_X
ClientSampleId :
220727002-01-TRIP-BLANK

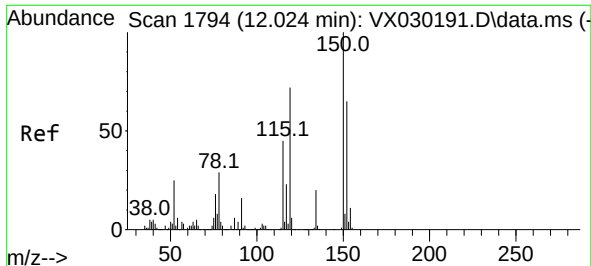
Tgt Ion:117 Resp: 270255
Ion Ratio Lower Upper
117 100
82 57.6 42.7 64.1
119 31.1 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030297.D
Acq: 29 Jul 2022 13:02

Tgt Ion: 91 Resp: 362
Ion Ratio Lower Upper
91 100
106 46.0 25.5 38.3#

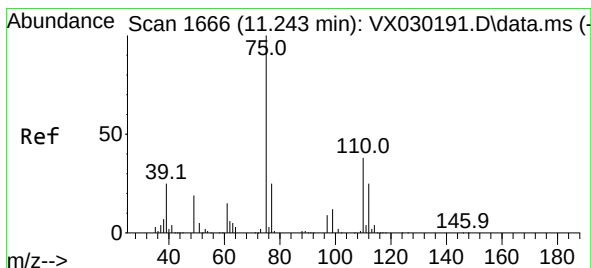
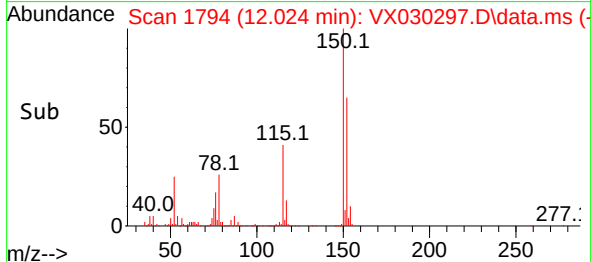
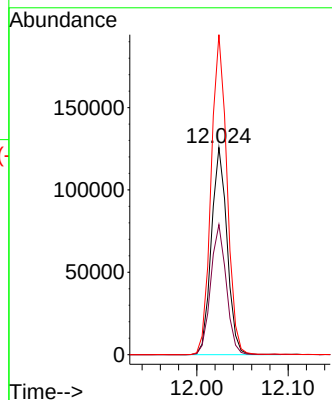
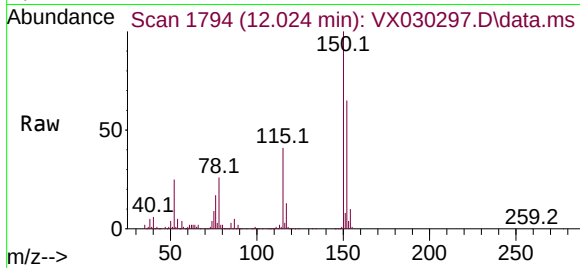




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030297.D
 Acq: 29 Jul 2022 13:02

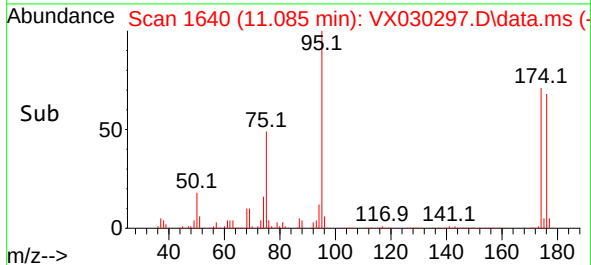
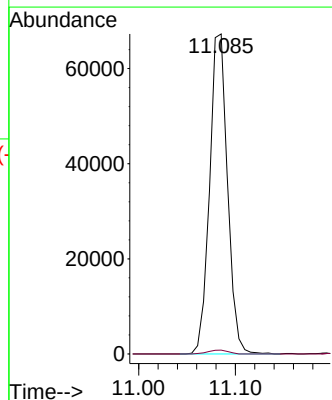
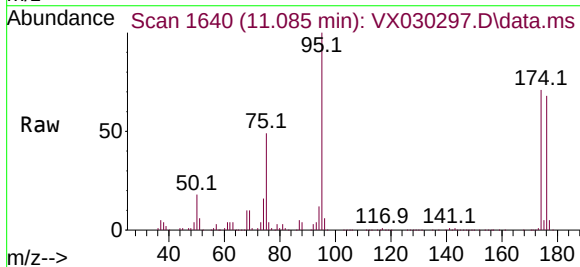
Instrument :
 MSVOA_X
 ClientSampleId :
 220727002-01-TRIP-BLANK

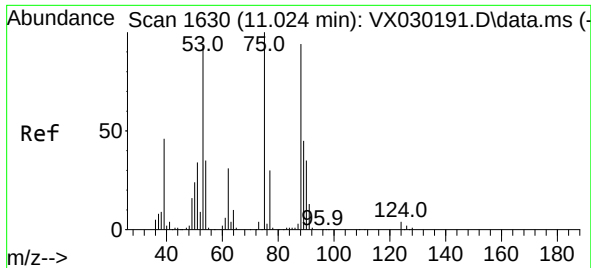
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	40.5	121.5
150	155.5	0.0	347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.926 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030297.D
 Acq: 29 Jul 2022 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.8	59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.775 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030297.D
 Acq: 29 Jul 2022 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 220727002-01-TRIP-BLANK

Tgt Ion: 75 Resp: 86785
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

