

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030296.D
 Acq On : 29 Jul 2022 12:38
 Operator : JC/MD
 Sample : N3861-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14R

Quant Time: Aug 01 05:11:27 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.	QIon	Response	Conc	Units	Dev(Min)

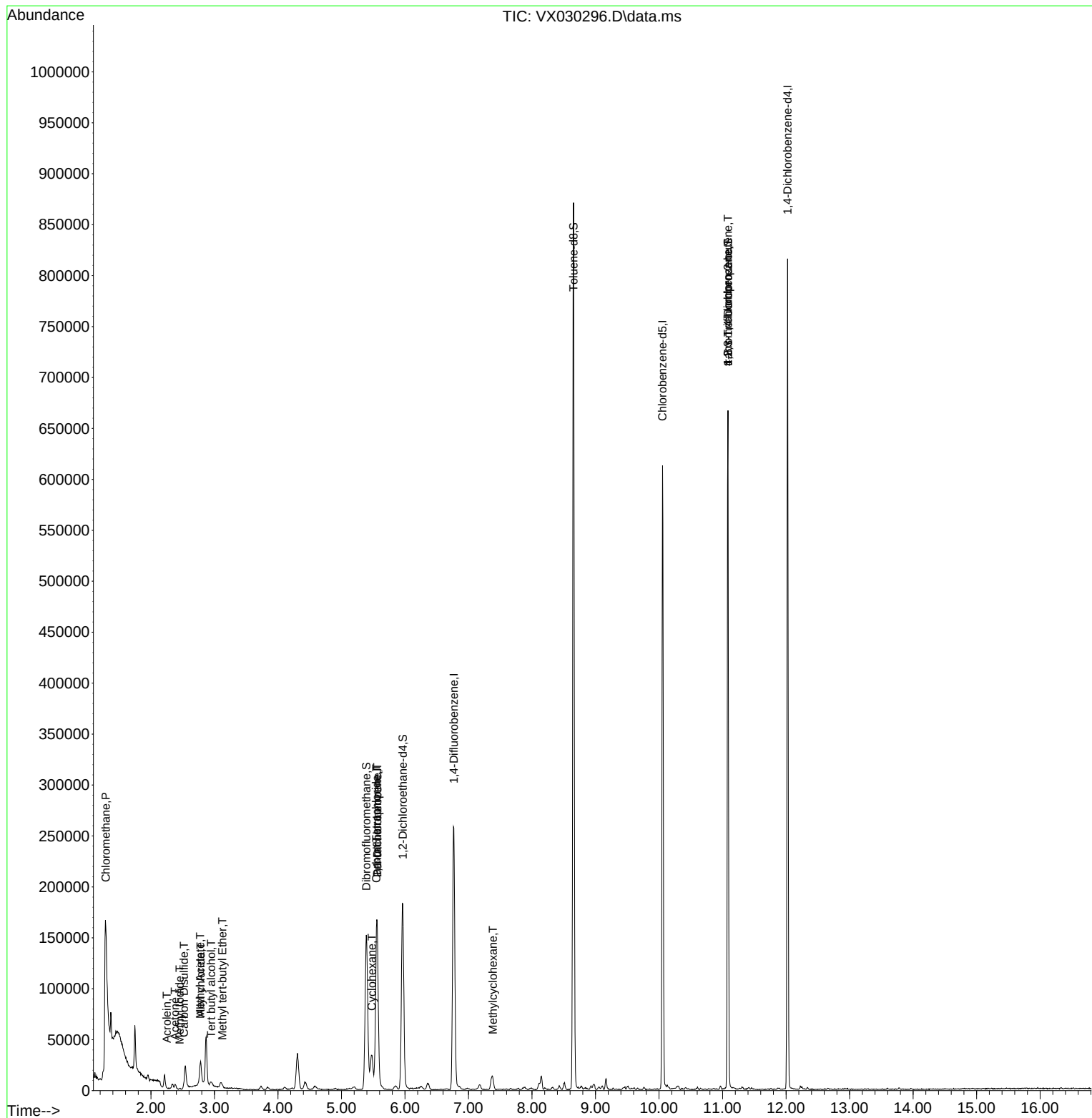
Internal Standards						
1) Pentafluorobenzene	5.562	168	156914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	267363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	169586	53.771	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.540%	
35) Dibromofluoromethane	5.391	113	135159	52.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.760%	
50) Toluene-d8	8.653	98	516555	52.188	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	11.085	95	181128	49.308	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	7965	3.128	ug/l #	57
5) Bromomethane	1.605	94	297	Below Cal	#	1
10) Methyl Iodide	2.453	142	683	1.796	ug/l #	87
11) Tert butyl alcohol	2.947	59	2745	3.568	ug/l #	74
13) Acrolein	2.252	56	75	0.397	ug/l #	14
14) Allyl chloride	2.782	41	6692	1.323	ug/l #	67
16) Acetone	2.380	43	4671	2.893	ug/l	96
17) Carbon Disulfide	2.520	76	7365	1.113	ug/l #	94
18) Methyl Acetate	2.776	43	15895	3.328	ug/l #	51
19) Methyl tert-butyl Ether	3.123	73	1972	0.235	ug/l #	1
20) Methylene Chloride	2.788	84	823	Below Cal	#	45
31) Cyclohexane	5.477	56	24499	5.350	ug/l	93
36) 1,1-Dichloropropene	5.562	75	13168	3.580	ug/l #	48
38) Carbon Tetrachloride	5.550	117	16380	4.770	ug/l #	19
39) Methylcyclohexane	7.385	83	4477	0.943	ug/l #	86
67) Ethyl Benzene	10.195	91	601	Below Cal	#	78
76) 1,2,3-Trichloropropane	11.085	75	90488	22.252	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	90488	66.756	ug/l #	13

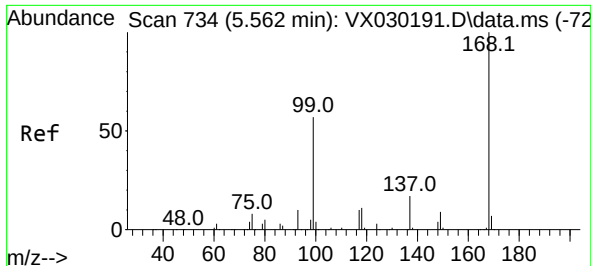
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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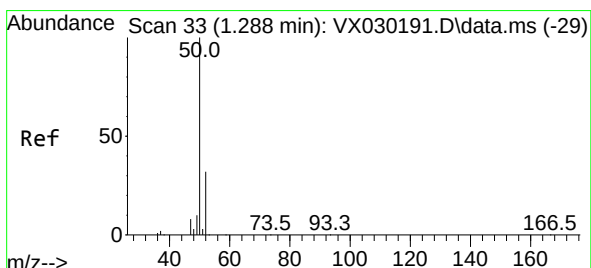
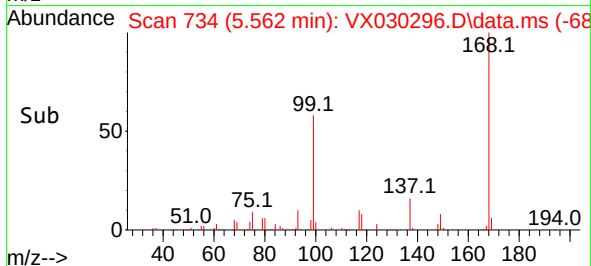
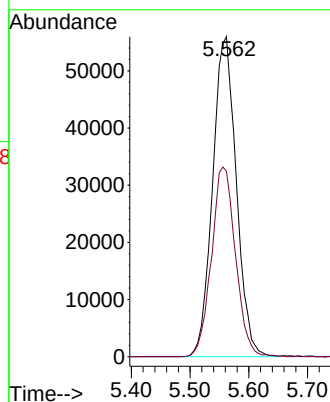
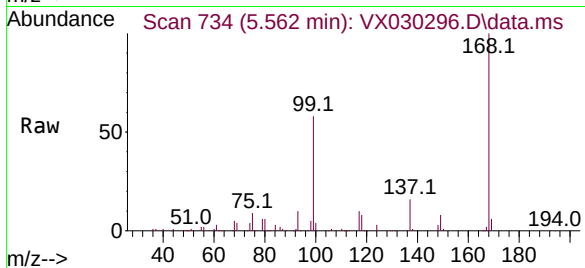




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

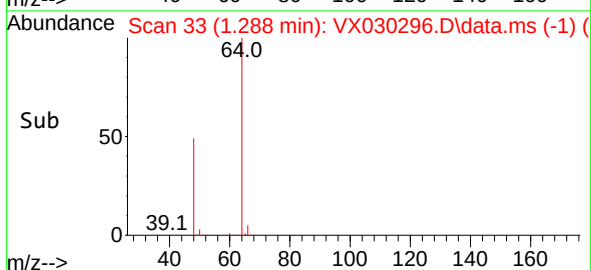
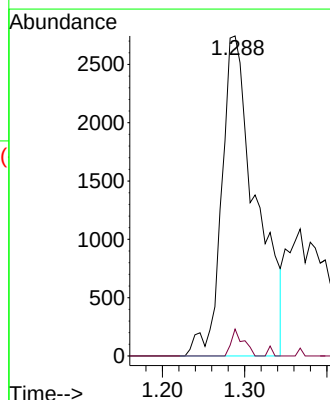
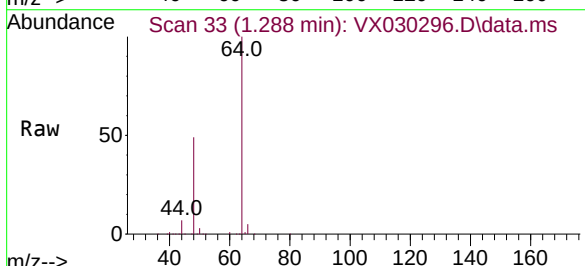
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

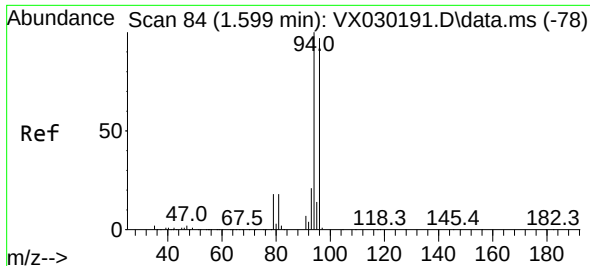
Tgt Ion:168 Resp: 156914
Ion Ratio Lower Upper
168 100
99 58.0 44.0 66.0



#3
Chloromethane
Concen: 3.128 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 50 Resp: 7965
Ion Ratio Lower Upper
50 100
52 8.4 26.3 39.5

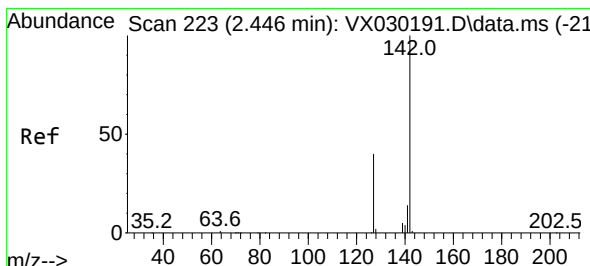
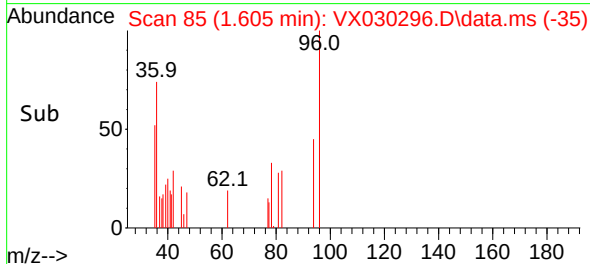
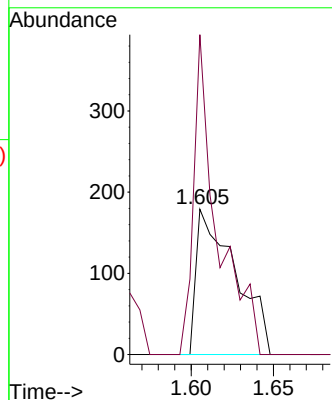
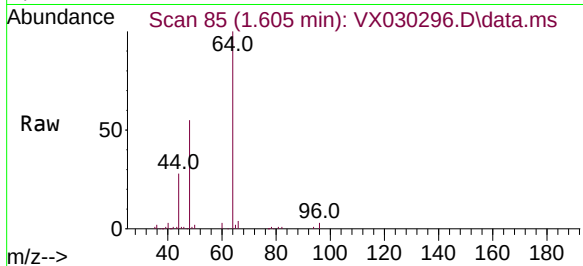




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

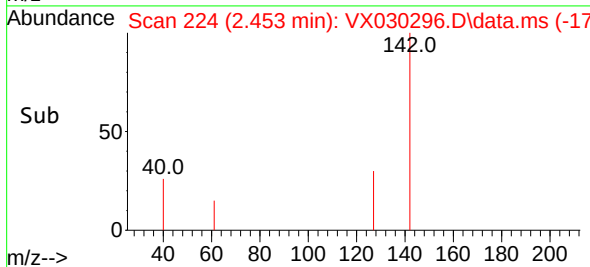
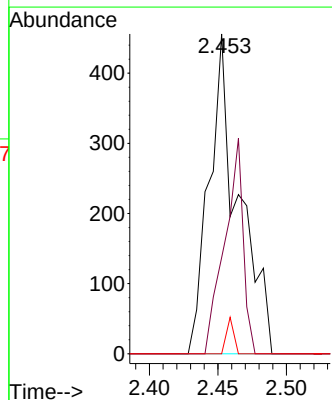
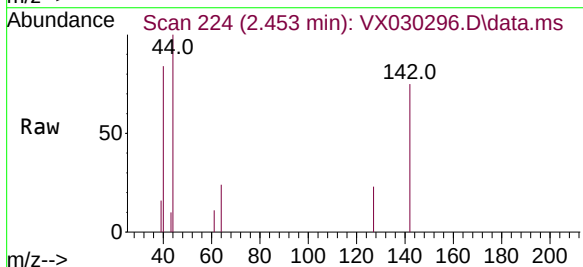
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

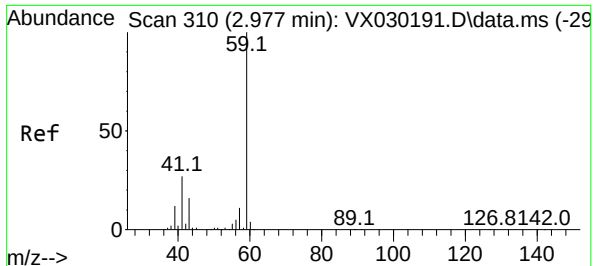
Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 220.1 76.9 115.3#



#10
Methyl Iodide
Concen: 1.796 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 142 Resp: 683
Ion Ratio Lower Upper
142 100
127 42.2 30.2 45.2
141 2.8 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.568 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX030296.D

Acq: 29 Jul 2022 12:38

Instrument :

MSVOA_X

ClientSampleId :

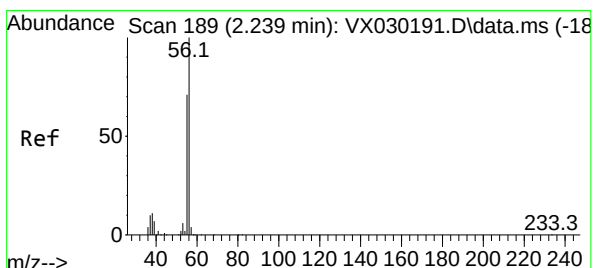
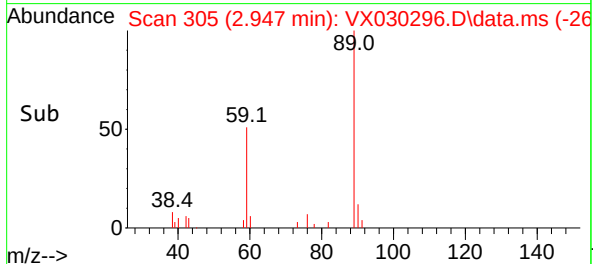
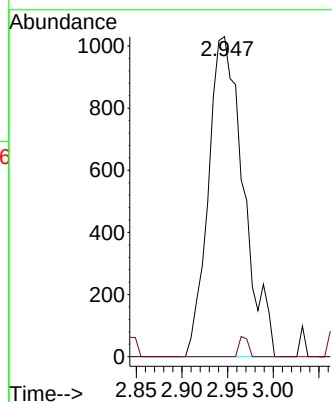
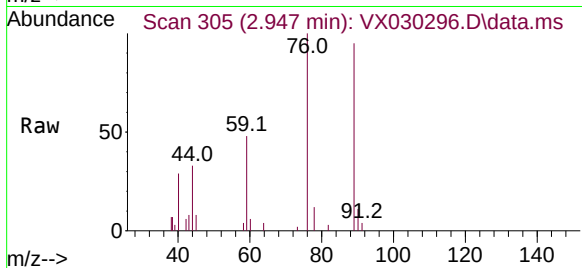
MW-14R

Tgt Ion: 59 Resp: 2745

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.397 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX030296.D

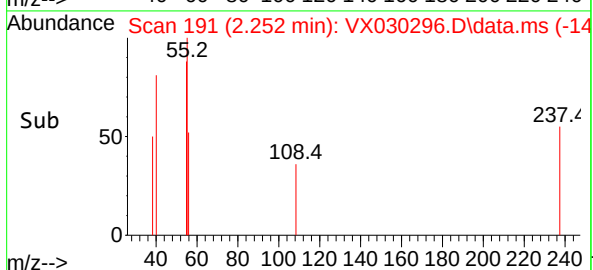
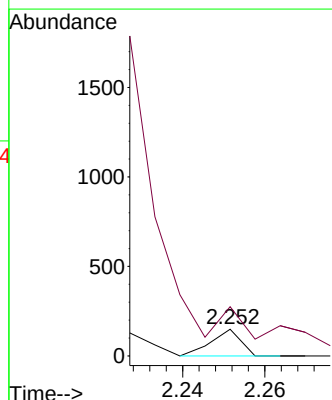
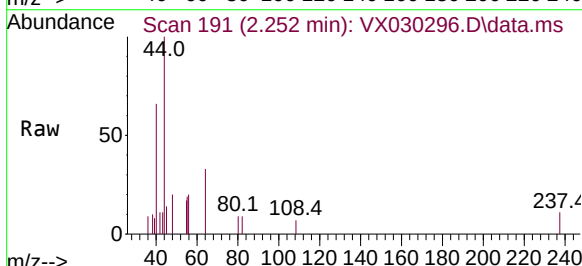
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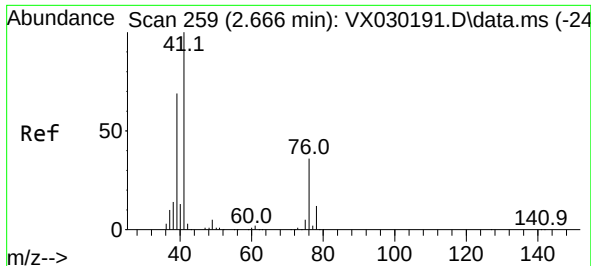
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

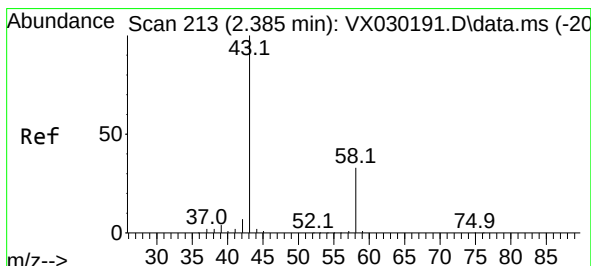
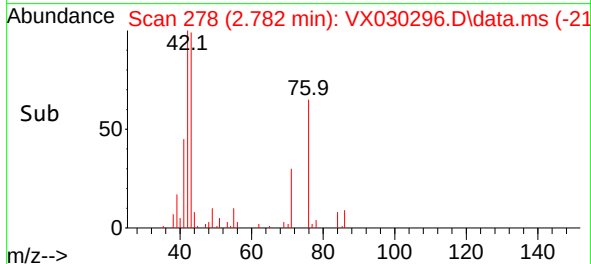
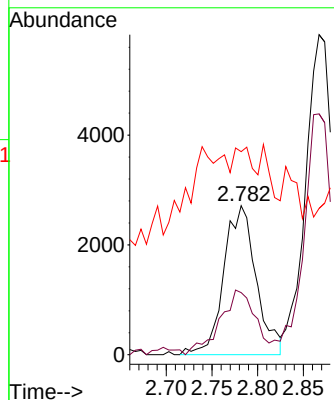
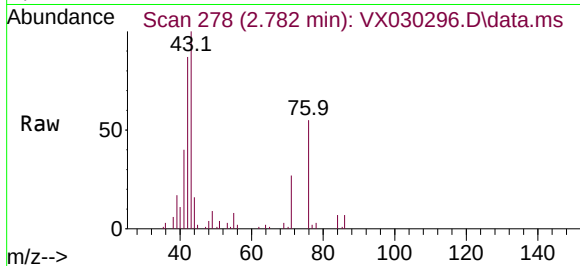




#14
 Allyl chloride
 Concen: 1.323 ug/l
 RT: 2.782 min Scan# 21
 Delta R.T. 0.116 min
 Lab File: VX030296.D
 Acq: 29 Jul 2022 12:38

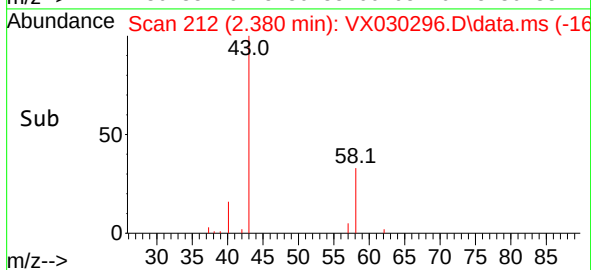
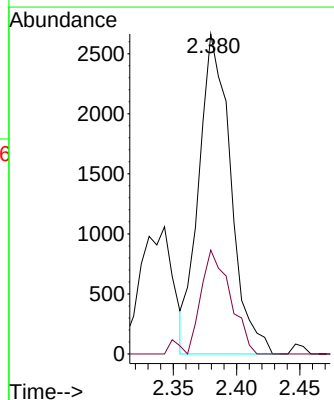
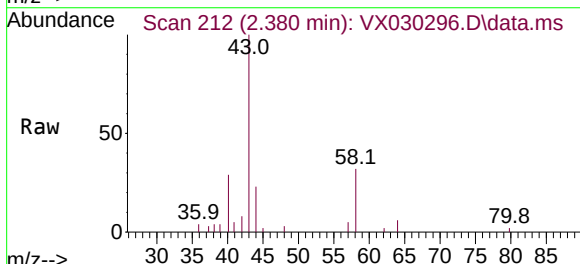
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14R

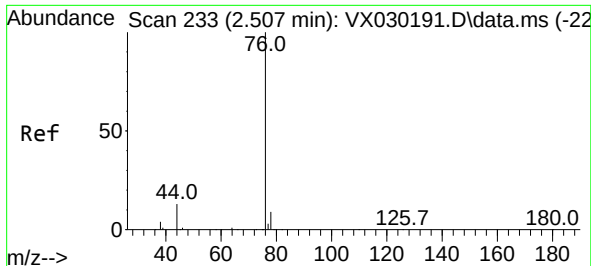
Tgt Ion: 41 Resp: 6692
 Ion Ratio Lower Upper
 41 100
 39 46.8 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 2.893 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.005 min
 Lab File: VX030296.D
 Acq: 29 Jul 2022 12:38

Tgt Ion: 43 Resp: 4671
 Ion Ratio Lower Upper
 43 100
 58 32.5 27.7 41.5

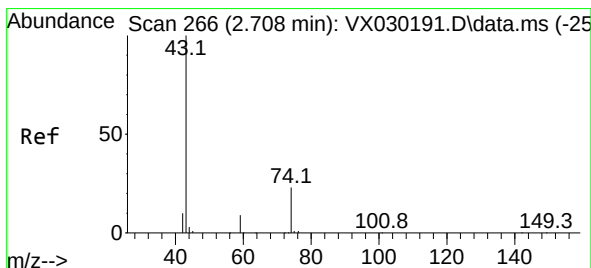
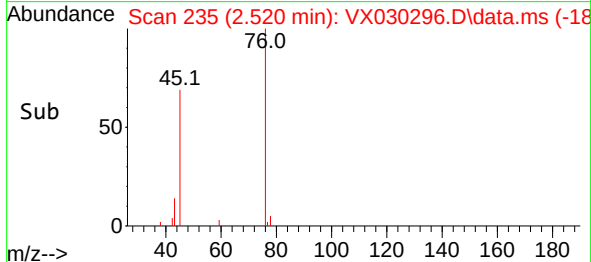
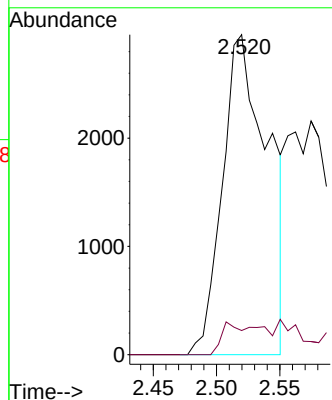
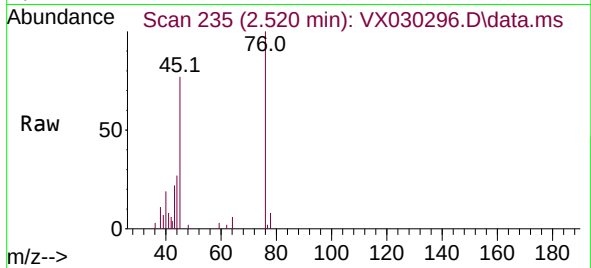




#17
Carbon Disulfide
Concen: 1.113 ug/l
RT: 2.520 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

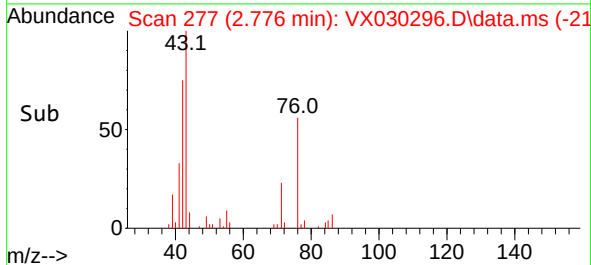
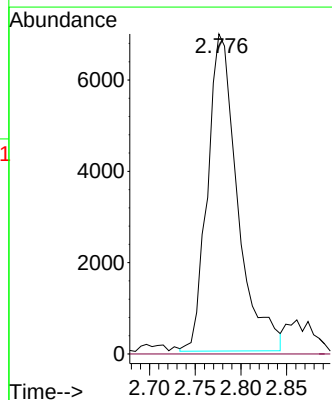
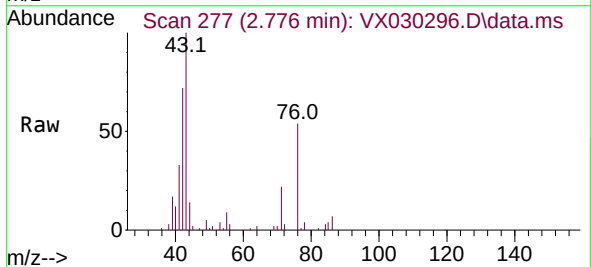
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

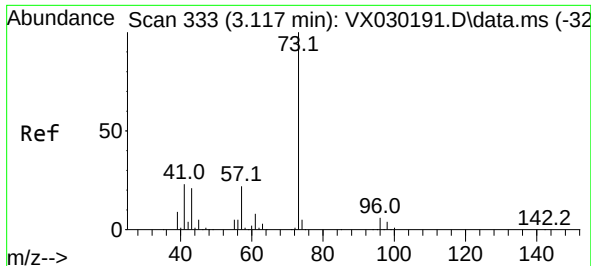
Tgt Ion: 76 Resp: 7365
Ion Ratio Lower Upper
76 100
78 7.5 7.8 11.6#



#18
Methyl Acetate
Concen: 3.328 ug/l
RT: 2.776 min Scan# 277
Delta R.T. 0.068 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 43 Resp: 15895
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 0.235 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX030296.D

Acq: 29 Jul 2022 12:38

Instrument :

MSVOA_X

ClientSampleId :

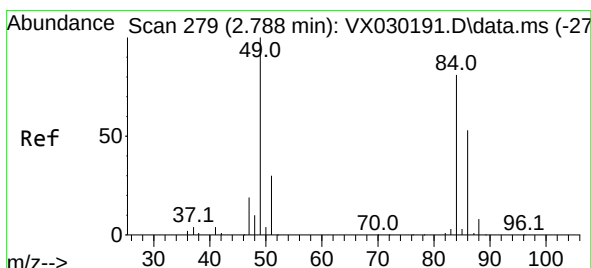
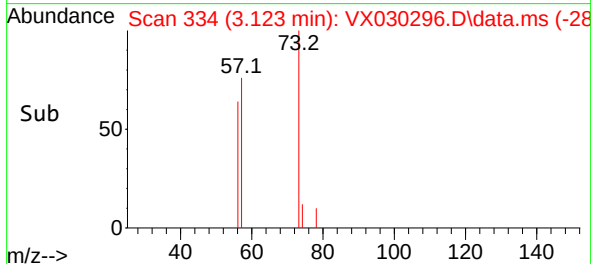
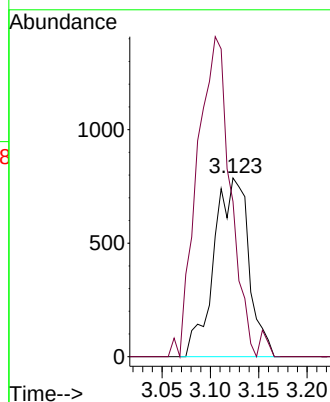
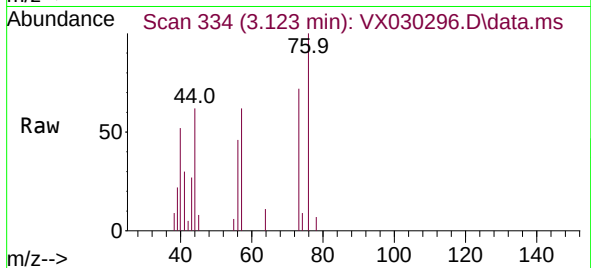
MW-14R

Tgt Ion: 73 Resp: 1972

Ion Ratio Lower Upper

73 100

57 86.8 19.0 28.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX030296.D

Acq: 29 Jul 2022 12:38

Tgt Ion: 84 Resp: 823

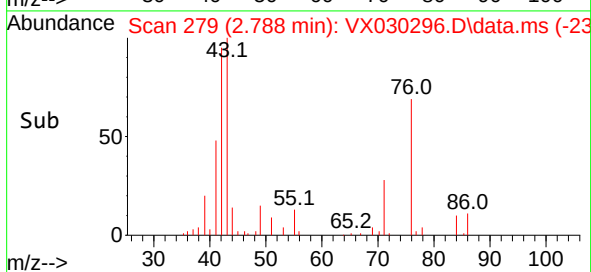
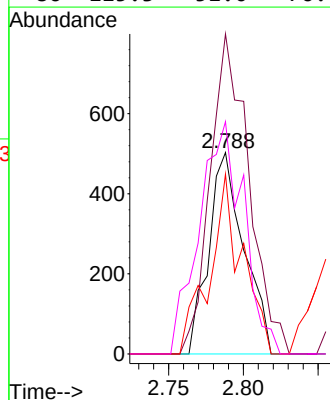
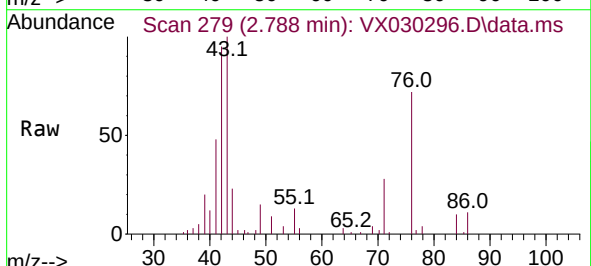
Ion Ratio Lower Upper

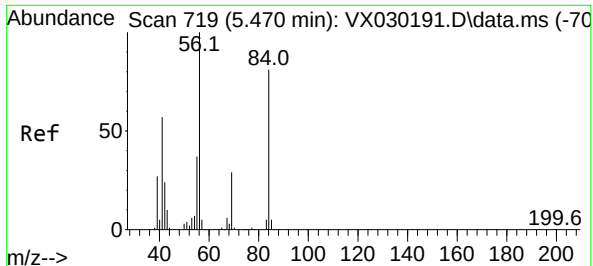
84 100

49 158.8 93.8 140.6#

51 89.3 29.4 44.0#

86 115.3 51.0 76.4#

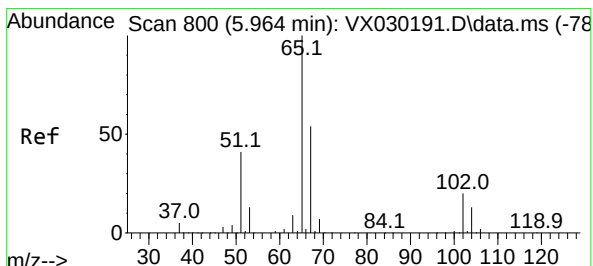
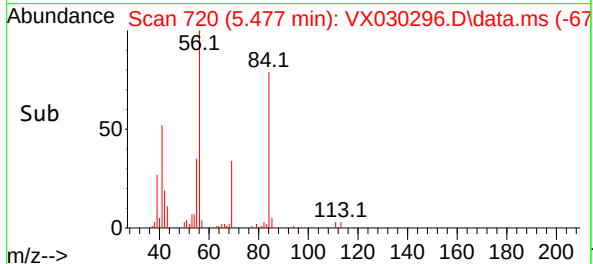
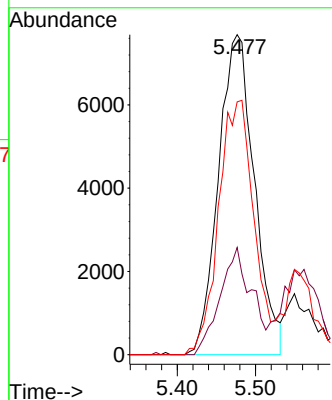
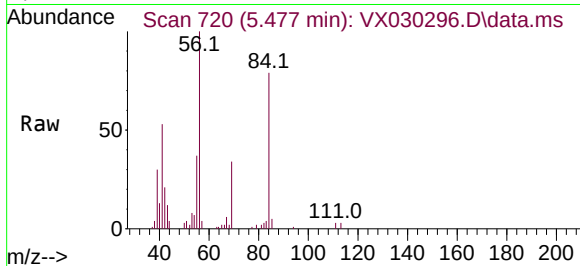




#31
Cyclohexane
Concen: 5.350 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.007 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

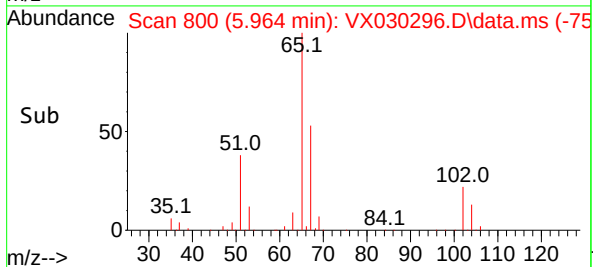
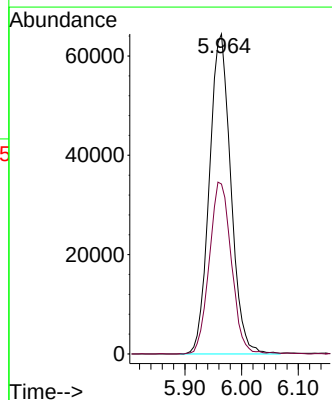
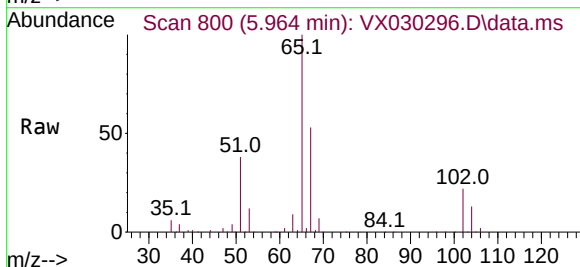
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

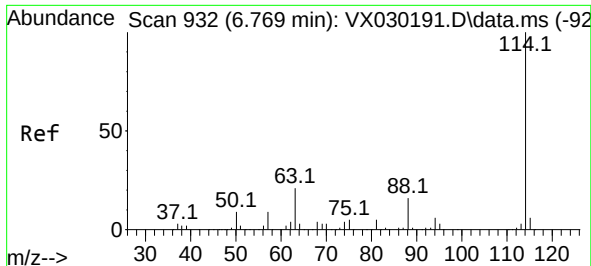
Tgt Ion: 56 Resp: 24499
Ion Ratio Lower Upper
56 100
69 33.5 25.4 38.0
84 79.0 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 53.771 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 65 Resp: 169586
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.6

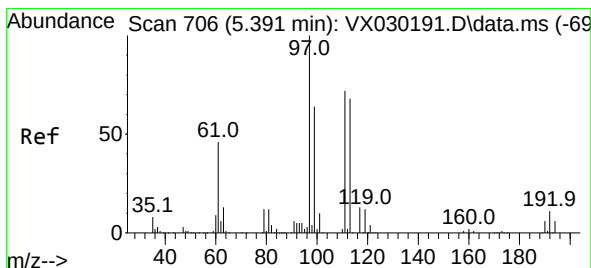
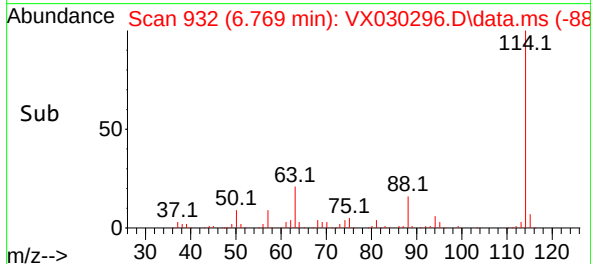
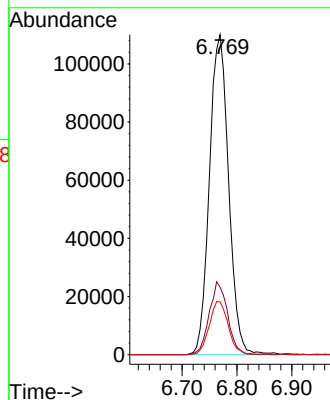
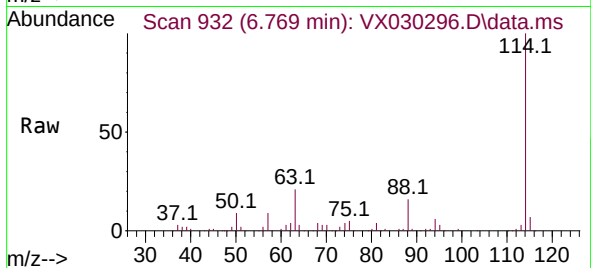




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

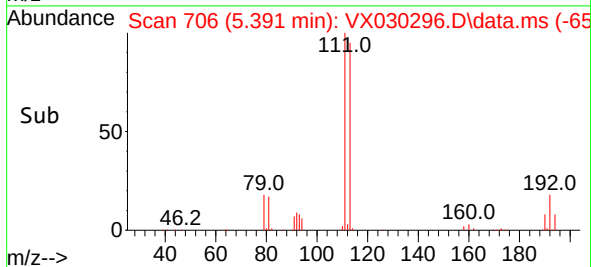
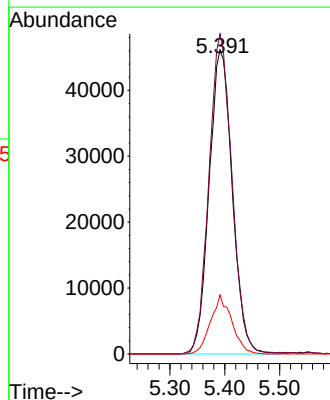
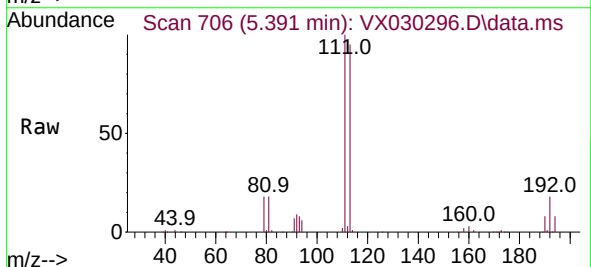
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

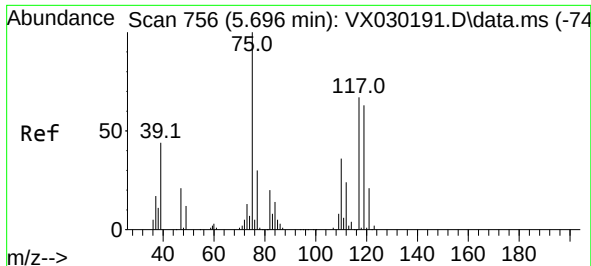
Tgt Ion:114 Resp: 267363
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.4
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.882 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion:113 Resp: 135159
Ion Ratio Lower Upper
113 100
111 104.7 83.2 124.8
192 17.8 14.8 22.2

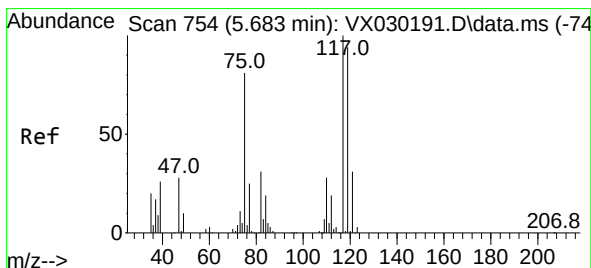
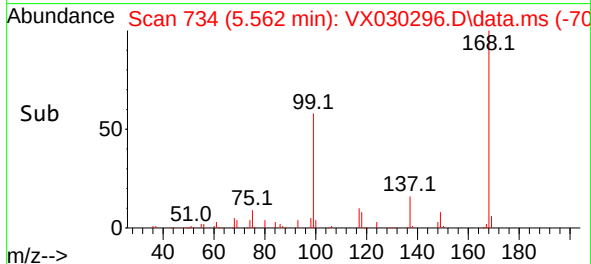
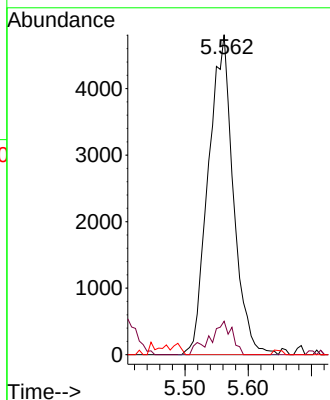
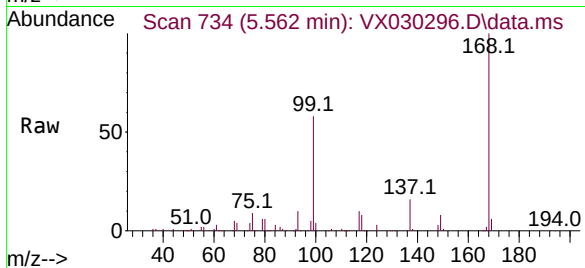




#36
1,1-Dichloropropene
Concen: 3.580 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

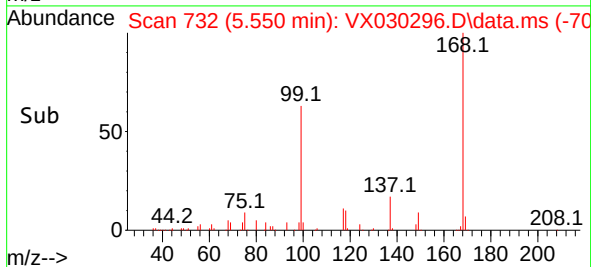
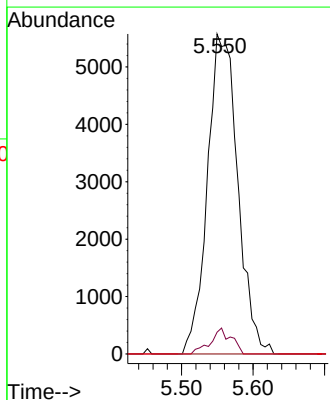
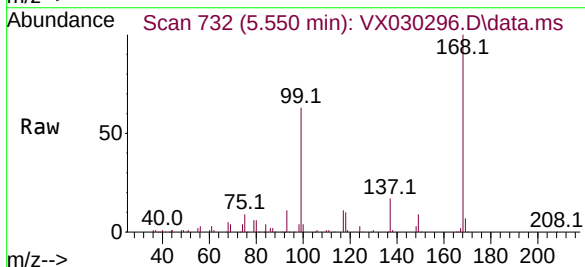
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

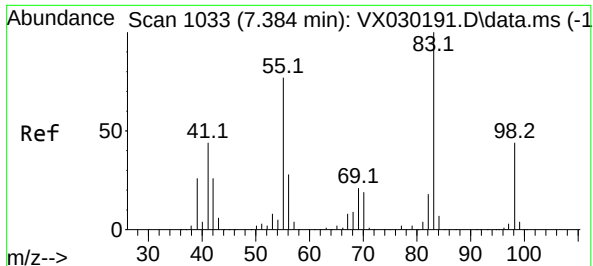
Tgt Ion: 75 Resp: 13168
Ion Ratio Lower Upper
75 100
110 9.3 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.770 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.133 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 117 Resp: 16380
Ion Ratio Lower Upper
117 100
119 6.8 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.943 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.001 min

Lab File: VX030296.D

Acq: 29 Jul 2022 12:38

Instrument :

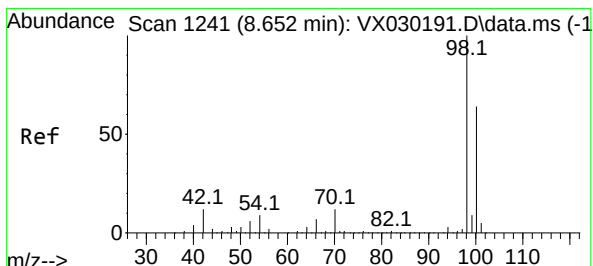
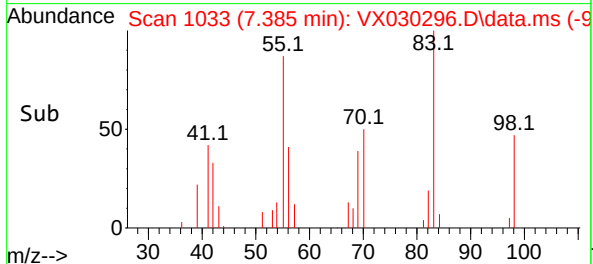
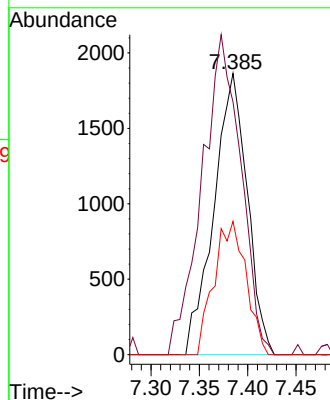
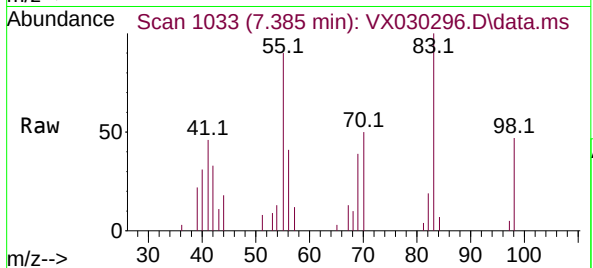
MSVOA_X

ClientSampleId :

MW-14R

Tgt Ion: 83 Resp: 4477

Ion	Ratio	Lower	Upper
83	100		
55	89.9	57.7	86.5#
98	47.4	36.5	54.7



#50

Toluene-d8

Concen: 52.188 ug/l

RT: 8.653 min Scan# 1241

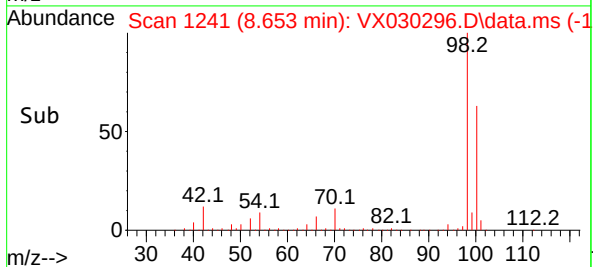
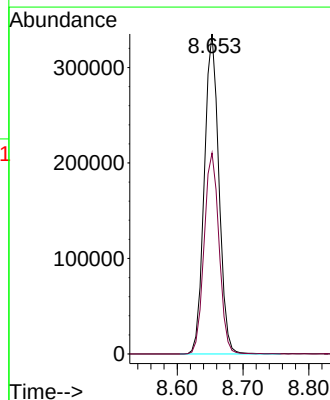
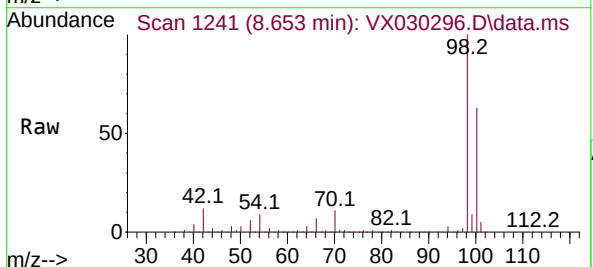
Delta R.T. 0.001 min

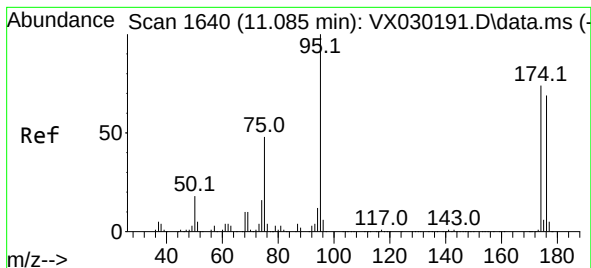
Lab File: VX030296.D

Acq: 29 Jul 2022 12:38

Tgt Ion: 98 Resp: 516555

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.3	78.5

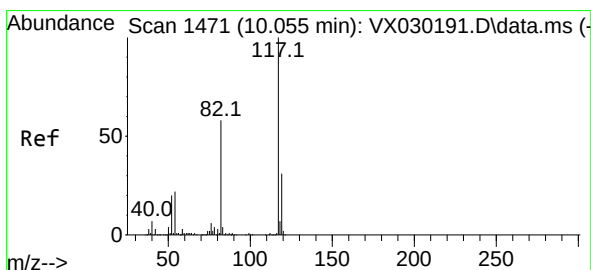
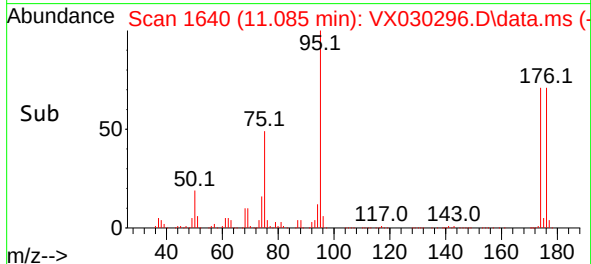
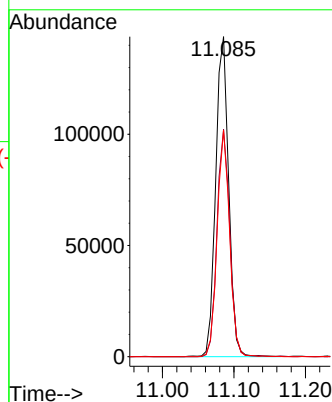
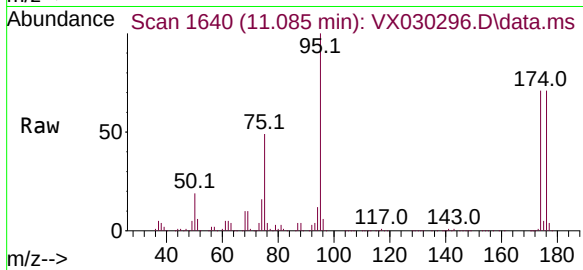




#62
4-Bromofluorobenzene
Concen: 49.308 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

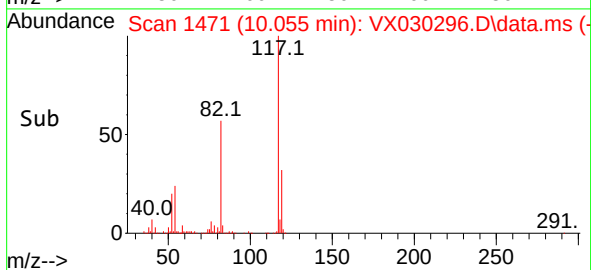
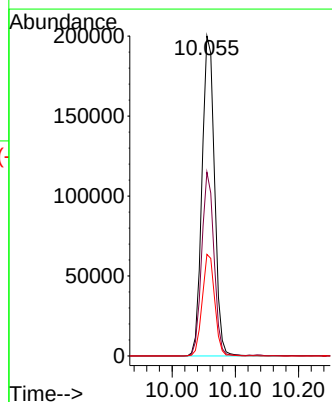
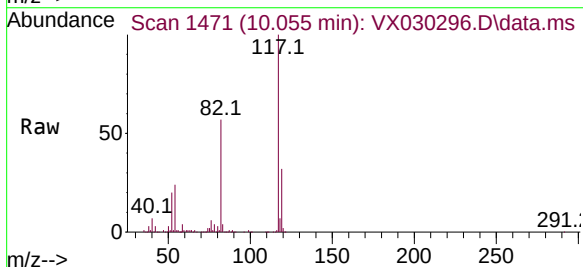
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

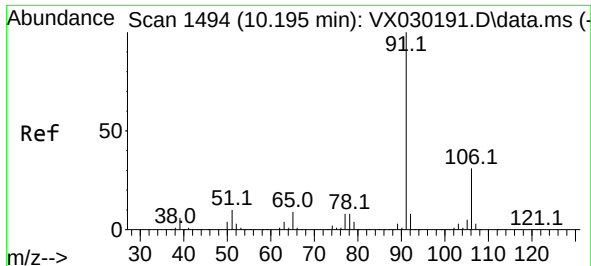
Tgt Ion: 95 Resp: 181128
Ion Ratio Lower Upper
95 100
174 69.8 0.0 149.0
176 67.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 117 Resp: 276520
Ion Ratio Lower Upper
117 100
82 57.5 42.7 64.1
119 31.8 25.4 38.2

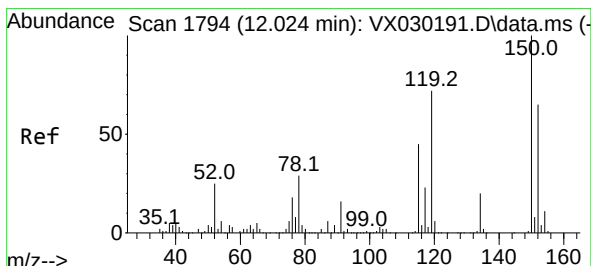
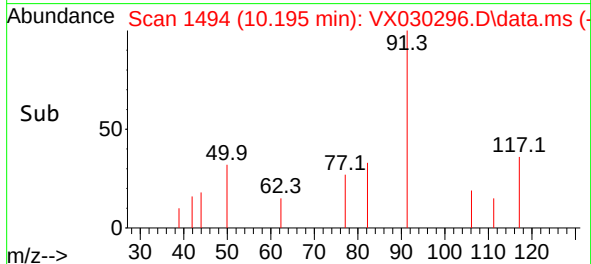
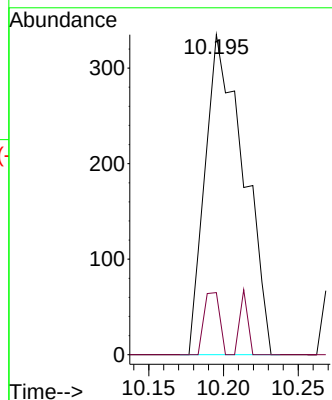
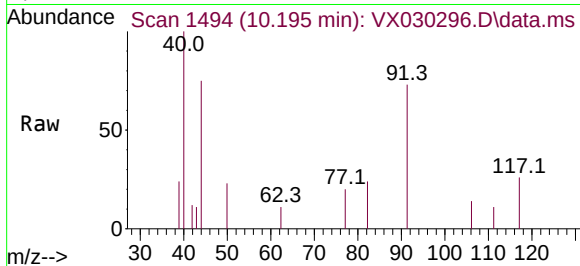




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

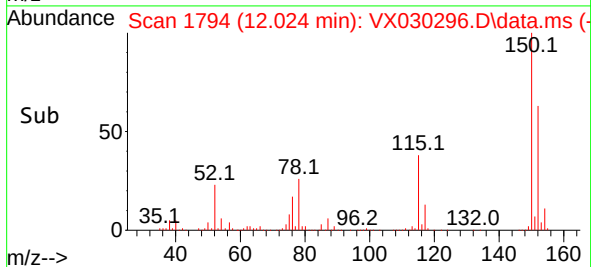
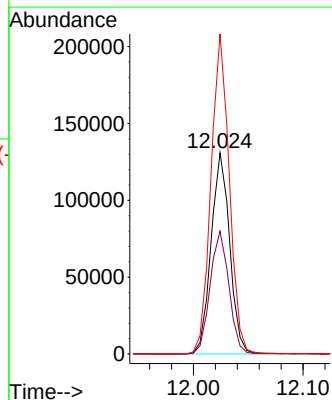
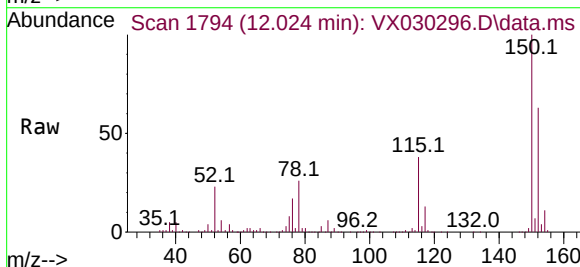
Instrument :
MSVOA_X
ClientSampleId :
MW-14R

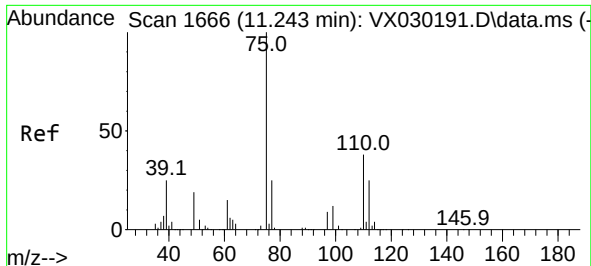
Tgt Ion: 91 Resp: 601
Ion Ratio Lower Upper
91 100
106 19.4 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion:152 Resp: 154268
Ion Ratio Lower Upper
152 100
115 61.8 40.5 121.5
150 156.7 0.0 347.0

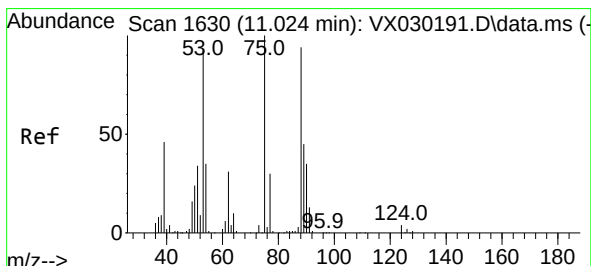
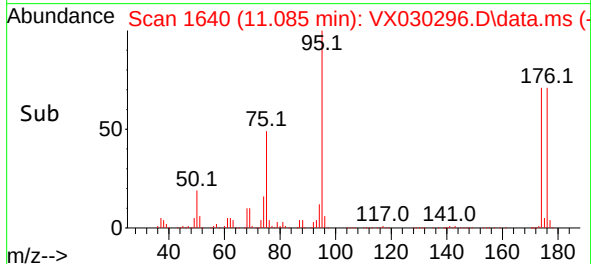
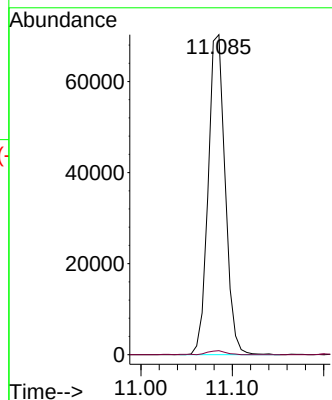
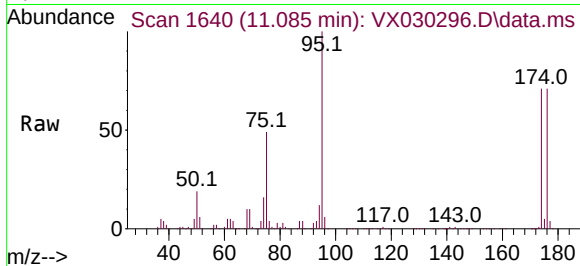




#76
1,2,3-Trichloropropane
Concen: 22.252 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Instrument :
MSVOA_X
ClientSampleId :
MW-14R

Tgt Ion: 75 Resp: 90488
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.756 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030296.D
Acq: 29 Jul 2022 12:38

Tgt Ion: 75 Resp: 90488
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

