

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022893.D
 Acq On : 25 Jun 2021 01:59
 Operator : JC/MD
 Sample : M2803-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 05:43:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

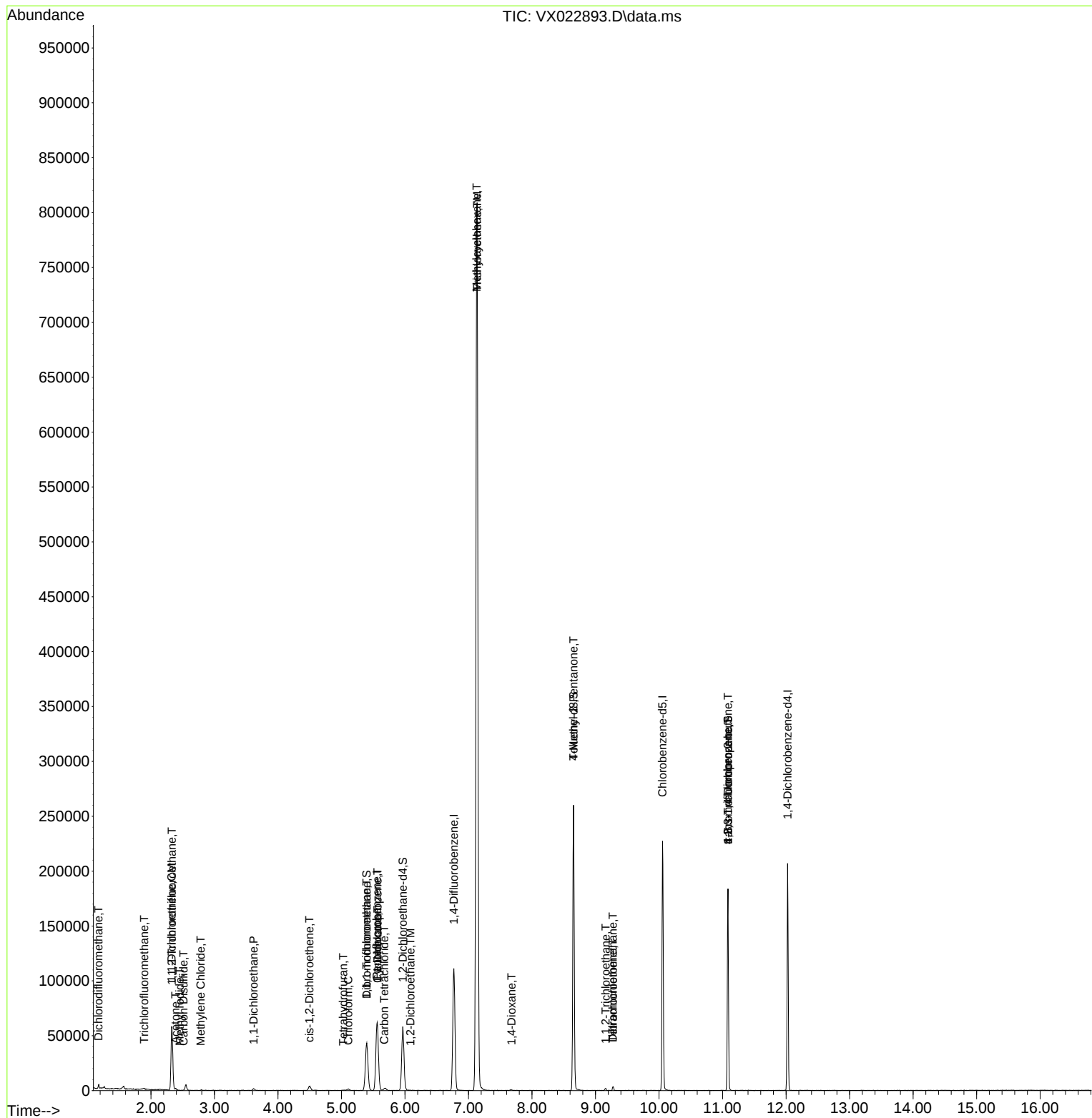
Internal Standards						
1) Pentafluorobenzene	5.556	168	52983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	108690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	94875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35219	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51185	53.23	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 106.46%		
35) Dibromofluoromethane	5.397	113	36674	53.13	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 106.26%		
50) Toluene-d8	8.653	98	146552	54.18	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 108.36%		
62) 4-Bromofluorobenzene	11.085	95	47638	47.19	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 94.38%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1064	1.42	ug/l	86
7) Trichlorofluoromethane	1.892	101	493	0.45	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	17509	25.41	ug/l	90
10) Methyl Iodide	2.453	142	120	4.01	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	6498	9.45	ug/l	95
16) Acetone	2.386	43	1388	3.26	ug/l #	87
17) Carbon Disulfide	2.514	76	199	3.61	ug/l #	75
20) Methylene Chloride	2.782	84	228	0.64	ug/l #	45
24) 1,1-Dichloroethane	3.617	63	2088	1.44	ug/l #	93
27) cis-1,2-Dichloroethene	4.495	96	2250	2.66	ug/l	92
29) Tetrahydrofuran	5.025	42	133	0.31	ug/l #	27
30) Chloroform	5.105	83	1566	1.07	ug/l	89
31) Cyclohexane	5.568	56	1737	1.28	ug/l #	58
32) 1,1,1-Trichloroethane	5.397	97	785	0.67	ug/l #	30
36) 1,1-Dichloropropene	5.568	75	5619	4.87	ug/l #	50
38) Carbon Tetrachloride	5.672	117	1712	1.77	ug/l #	86
39) Methylcyclohexane	7.129	83	3753	2.79	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	366	0.30	ug/l #	73
44) Trichloroethene	7.135	130	275865	349.44	ug/l	95
49) 1,4-Dioxane	7.677	88	511	23.86	ug/l #	82
51) 4-Methyl-2-Pentanone	8.653	43	778	0.58	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	634	0.79	ug/l #	76
60) Dibromochloromethane	9.275	129	752	4.53	ug/l #	11
64) Tetrachloroethene	9.275	164	599	0.90	ug/l #	71
76) 1,2,3-Trichloropropane	11.085	75	25828	27.76	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25828	71.74	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

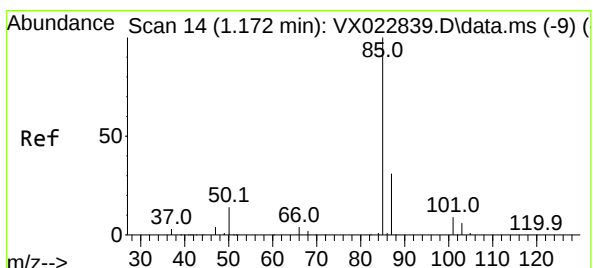
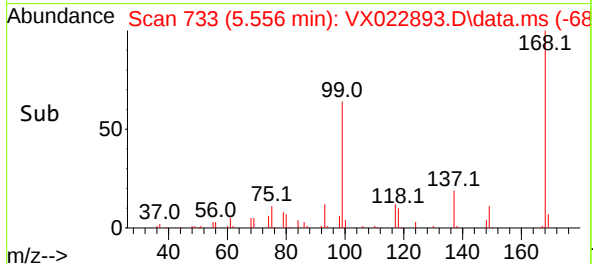
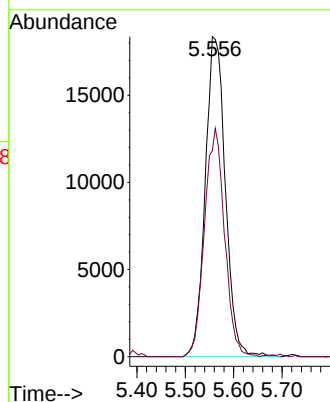
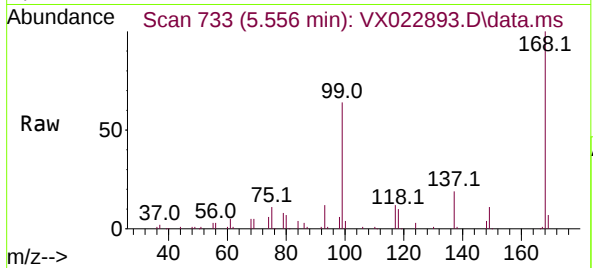




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

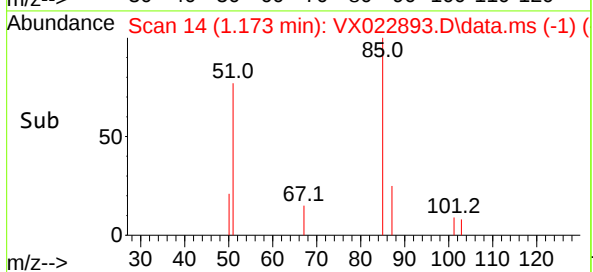
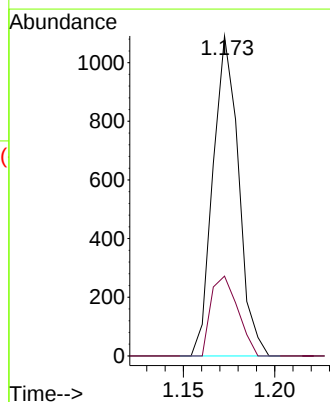
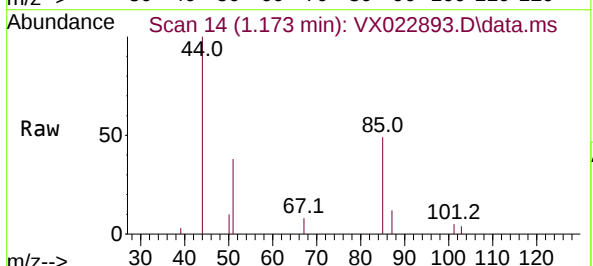
Instrument :
MSVOA_X
ClientSampleId :

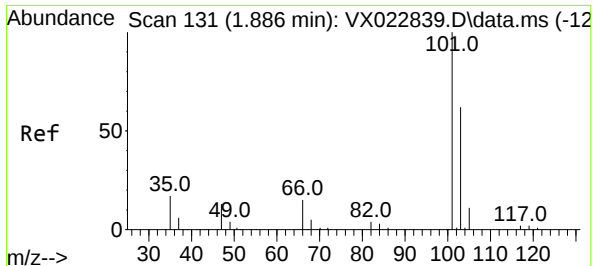
Tgt Ion:168 Resp: 52983
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.42 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.001 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 85 Resp: 1064
Ion Ratio Lower Upper
85 100
87 24.9 16.4 49.2

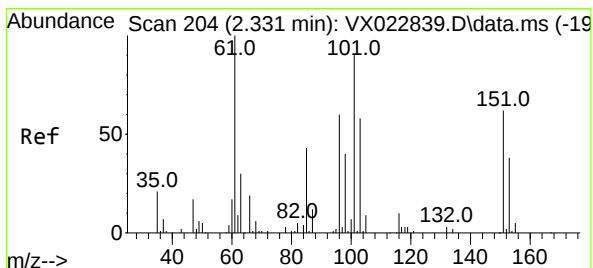
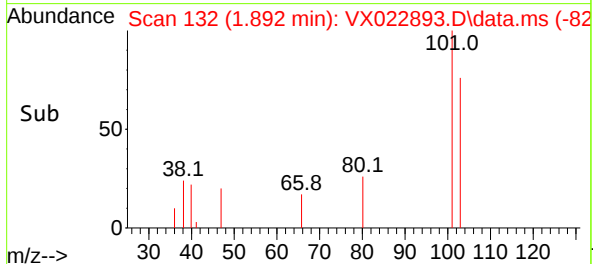
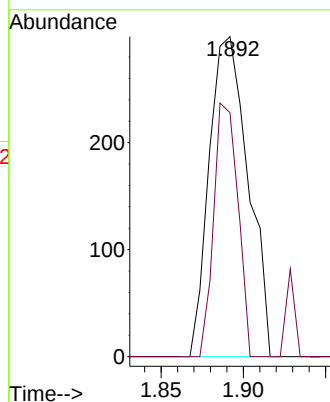
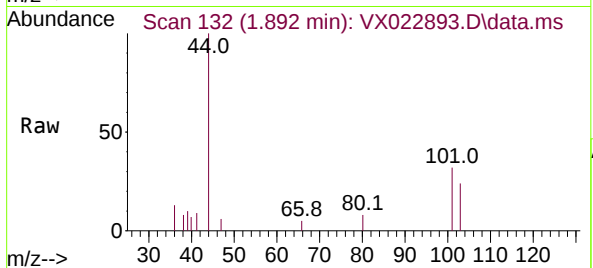




#7
 Trichlorofluoromethane
 Concen: 0.45 ug/l
 RT: 1.892 min Scan# 132
 Delta R.T. 0.006 min
 Lab File: VX022893.D
 Acq: 25 Jun 2021 01:59

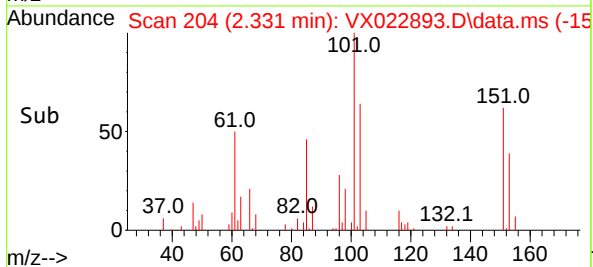
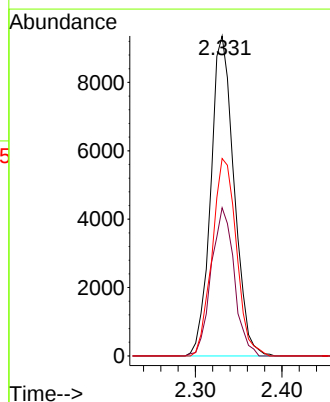
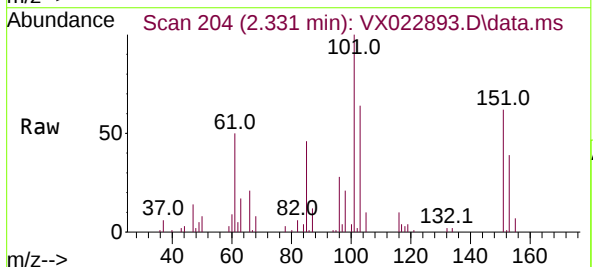
Instrument :
 MSVOA_X
 ClientSampled :

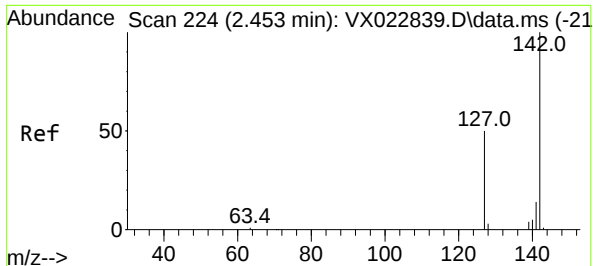
Tgt Ion:101 Resp: 493
 Ion Ratio Lower Upper
 101 100
 103 76.3 53.2 79.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 25.41 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX022893.D
 Acq: 25 Jun 2021 01:59

Tgt Ion:101 Resp: 17509
 Ion Ratio Lower Upper
 101 100
 85 45.5 34.9 52.3
 151 64.1 61.4 92.2

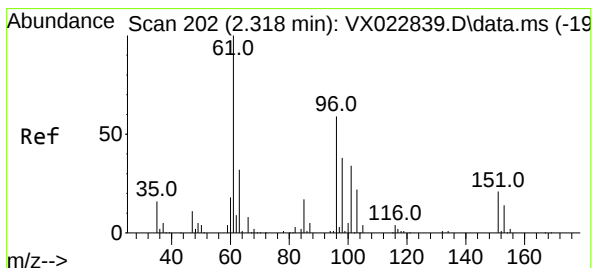
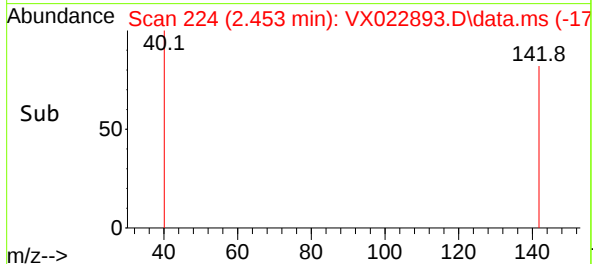
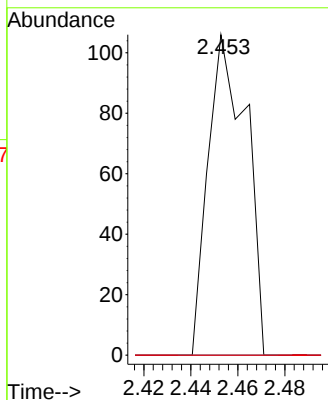
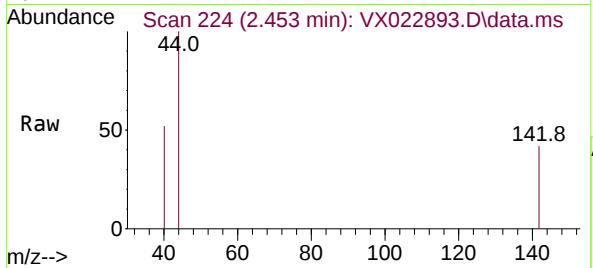




#10
Methyl Iodide
Concen: 4.01 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

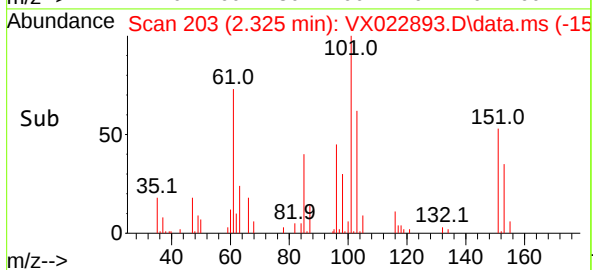
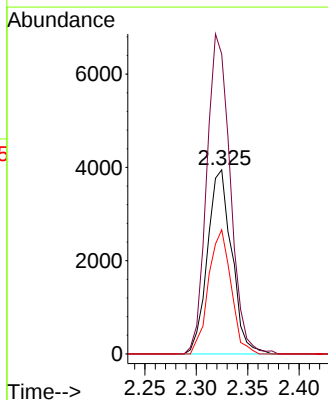
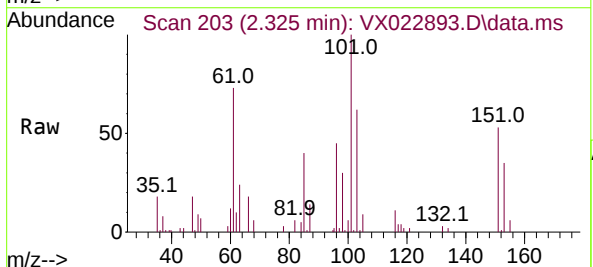
Instrument :
MSVOA_X
ClientSampled :

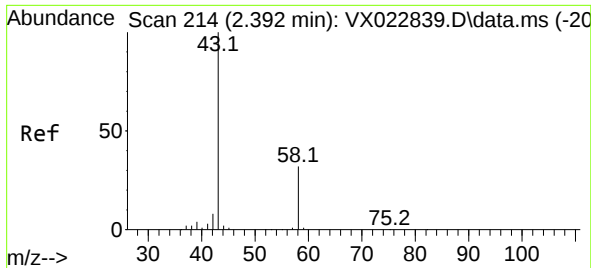
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 9.45 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 96 Resp: 6498
Ion Ratio Lower Upper
96 100
61 162.8 124.6 187.0
98 67.4 50.6 76.0

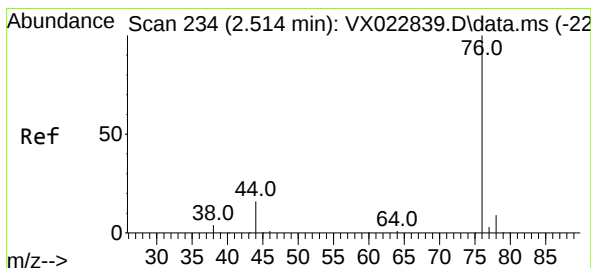
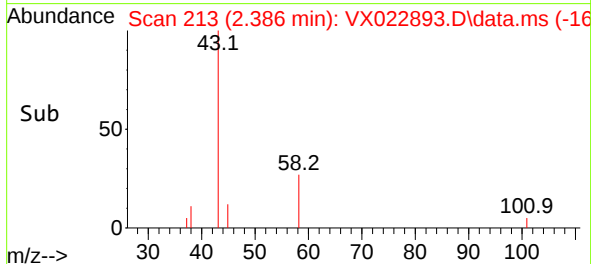
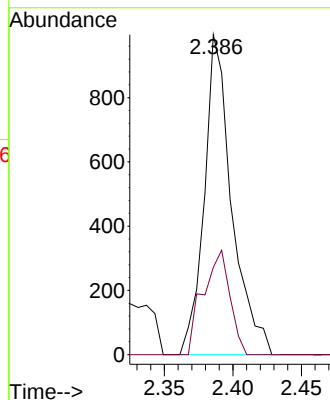
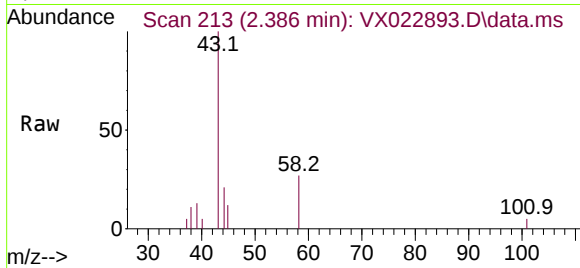




#16
Acetone
Concen: 3.26 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

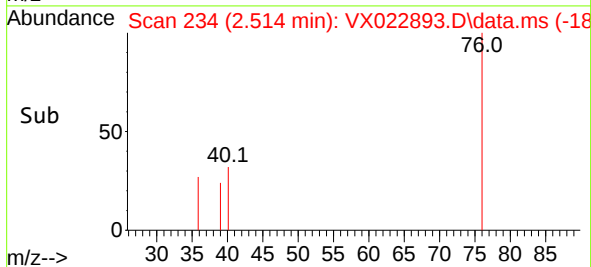
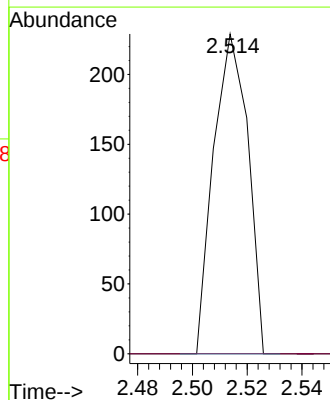
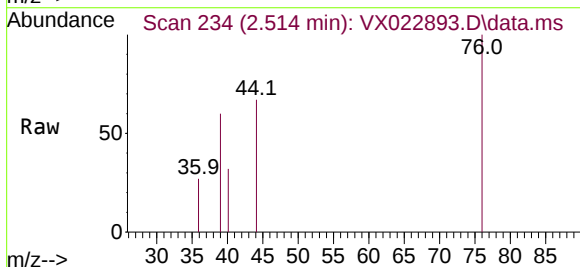
Instrument :
MSVOA_X
ClientSampled :

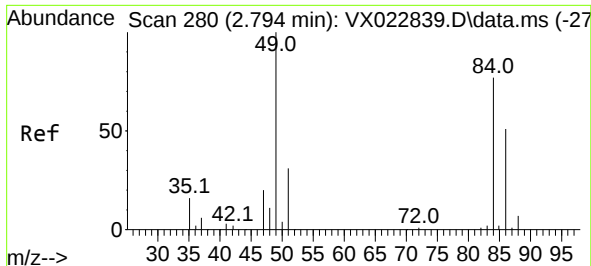
Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.61 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 76 Resp: 199
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.64 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.012 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion: 84 Resp: 228

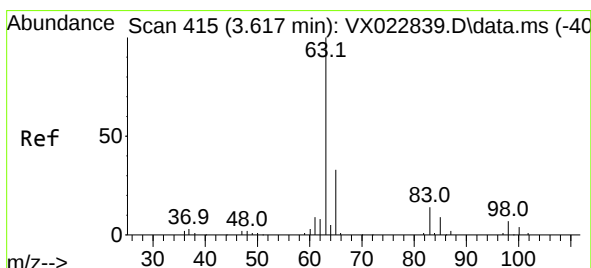
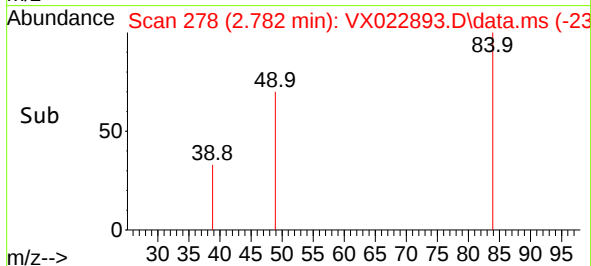
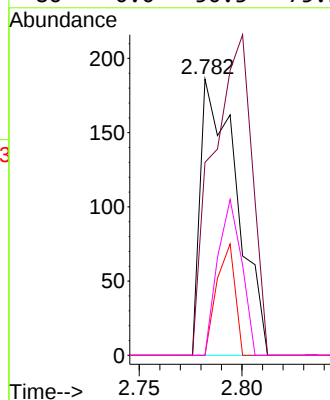
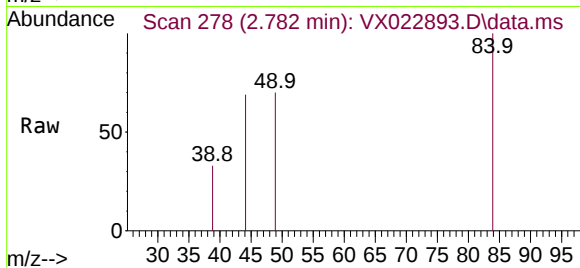
Ion Ratio Lower Upper

84 100

49 69.9 88.6 132.8#

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 1.44 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

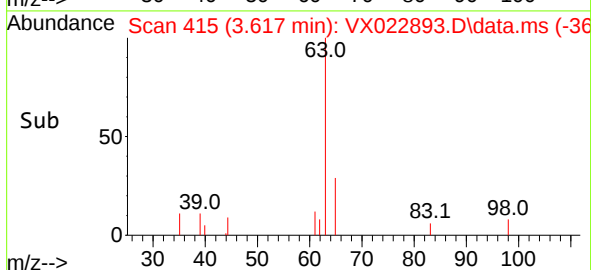
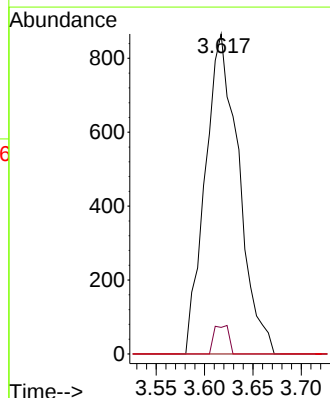
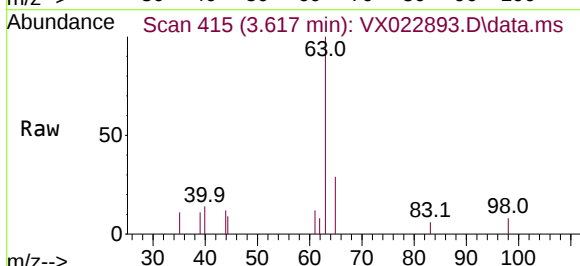
Tgt Ion: 63 Resp: 2088

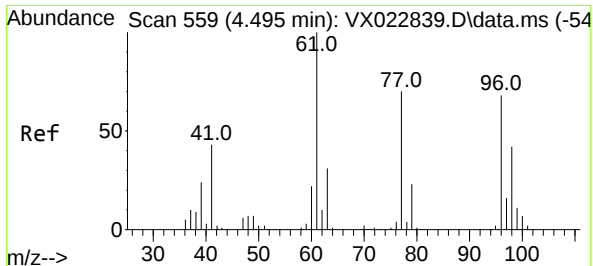
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 2.66 ug/l

RT: 4.495 min Scan# 559

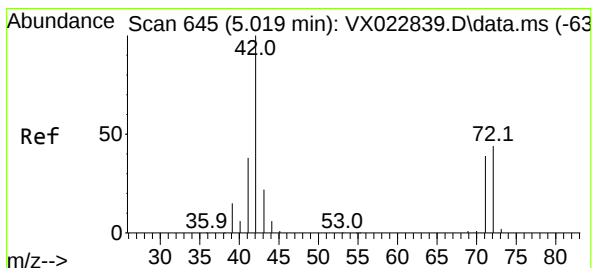
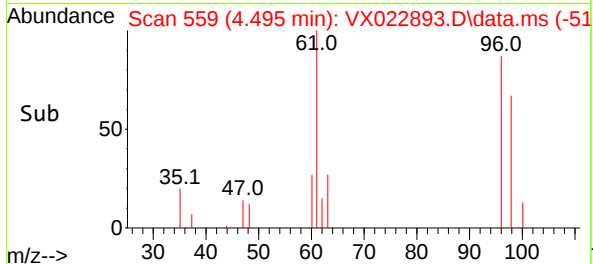
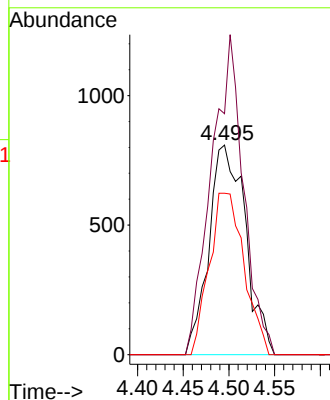
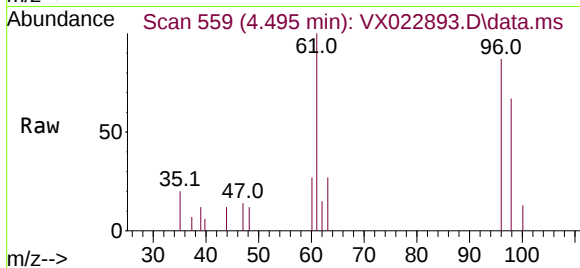
Delta R.T. 0.000 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion: 96 Resp: 2250

Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	285.6
98	73.2	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.025 min Scan# 646

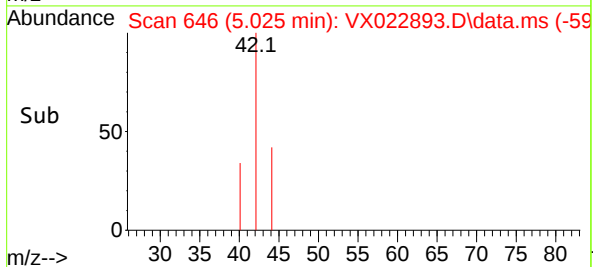
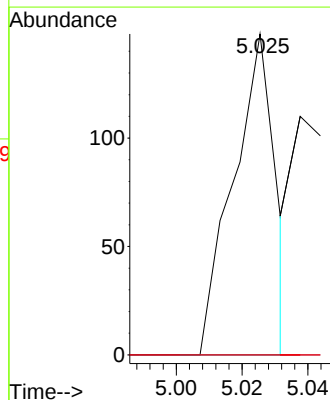
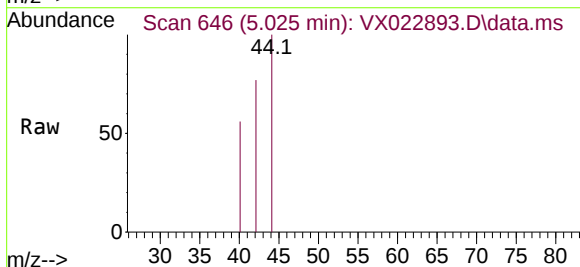
Delta R.T. 0.006 min

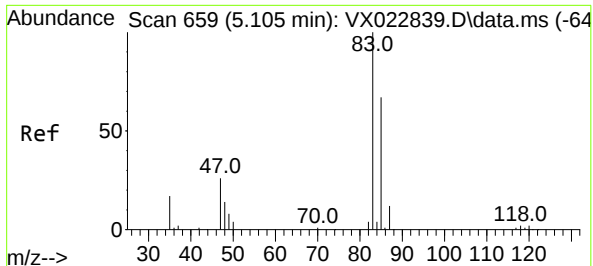
Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion: 42 Resp: 133

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 1.07 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX022893.D

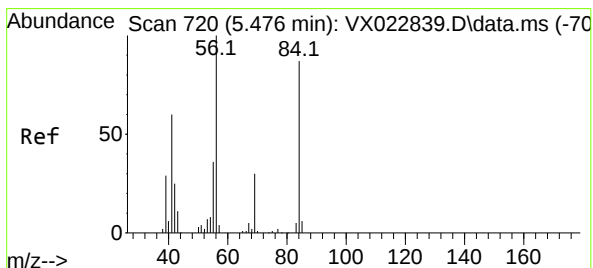
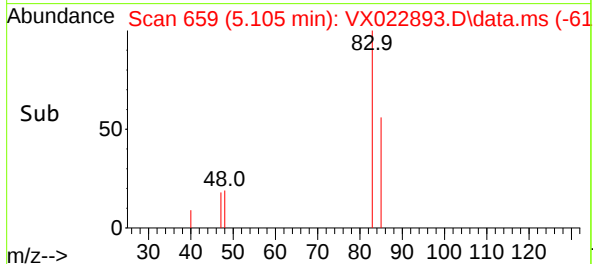
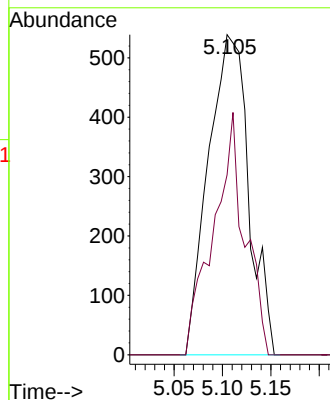
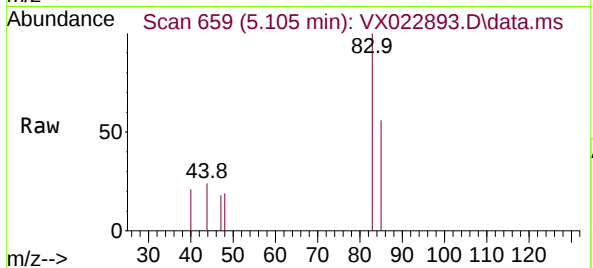
Acq: 25 Jun 2021 01:59

Tgt Ion: 83 Resp: 1566

Ion Ratio Lower Upper

83 100

85 56.2 52.0 78.0



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.092 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

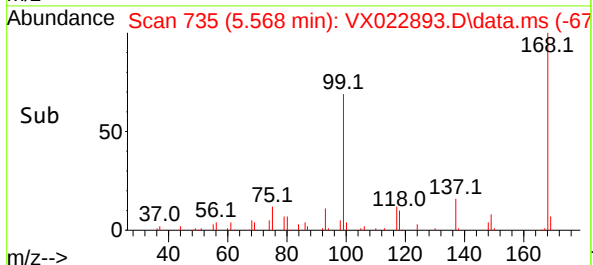
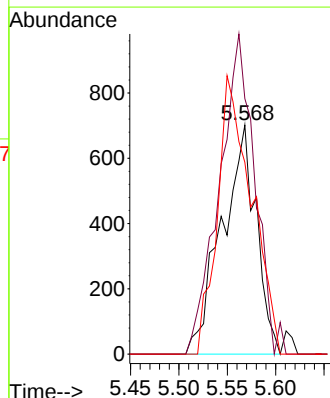
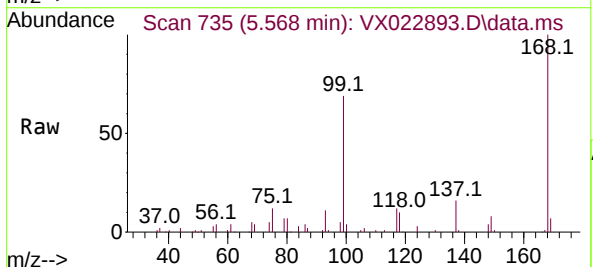
Tgt Ion: 56 Resp: 1737

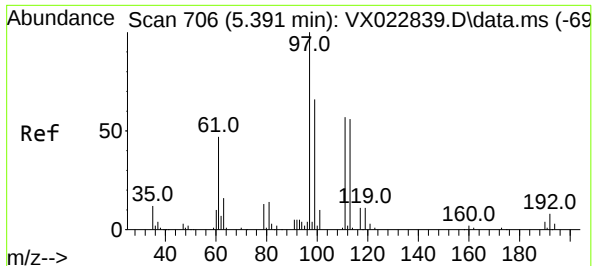
Ion Ratio Lower Upper

56 100

69 111.5 25.3 37.9#

84 83.8 71.4 107.0





#32

1,1,1-Trichloroethane

Concen: 0.67 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion: 97 Resp: 785

Ion Ratio Lower Upper

97 100

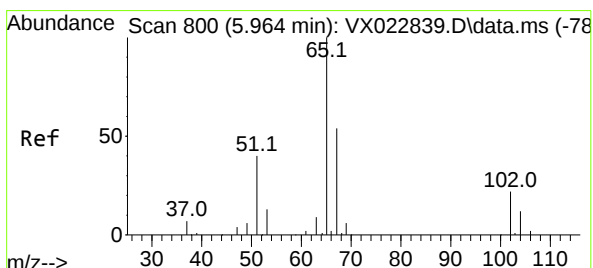
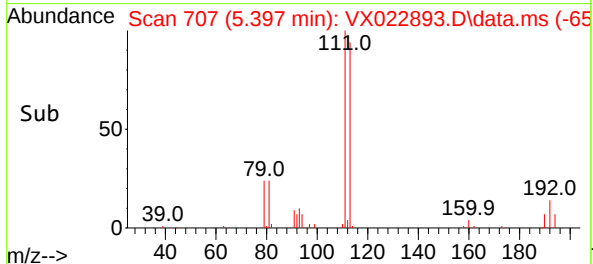
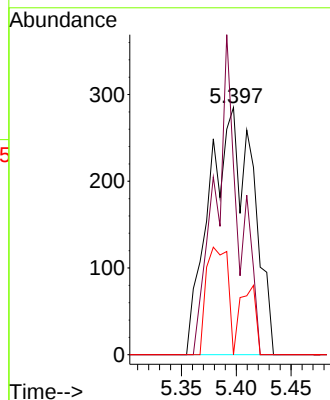
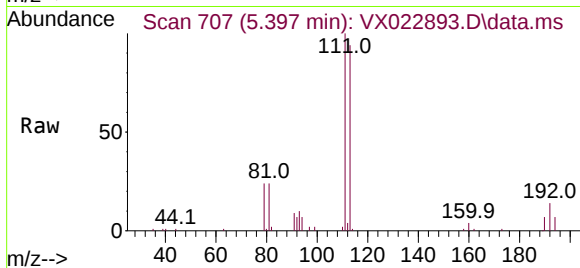
99 0.0 51.5 77.3#

61 9.9 34.2 51.4#

Instrument :

MSVOA_X

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 53.23 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022893.D

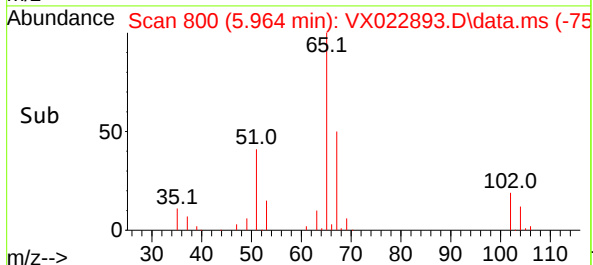
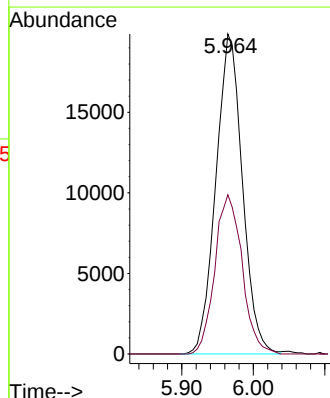
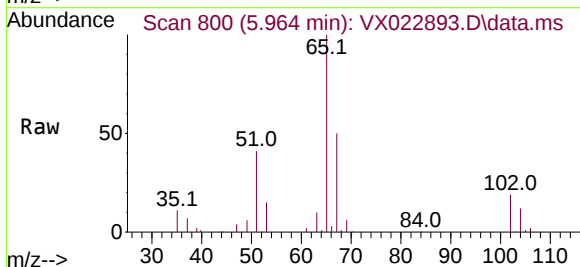
Acq: 25 Jun 2021 01:59

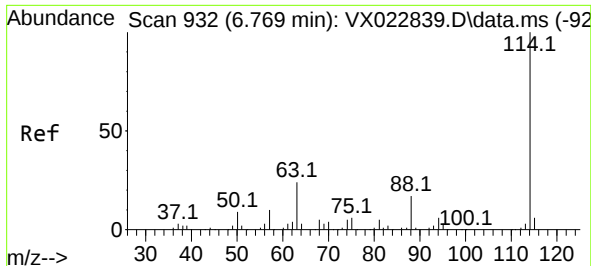
Tgt Ion: 65 Resp: 51185

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.4

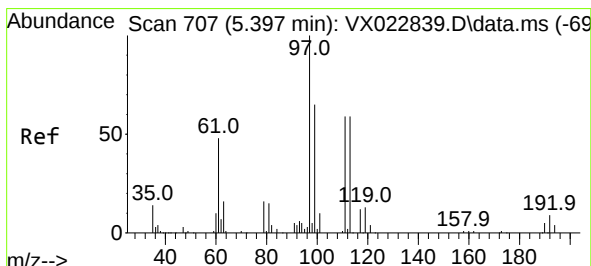
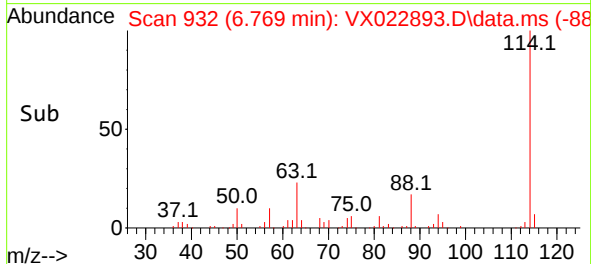
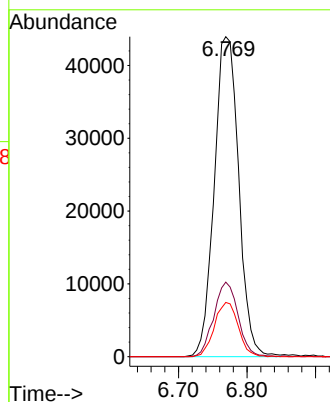
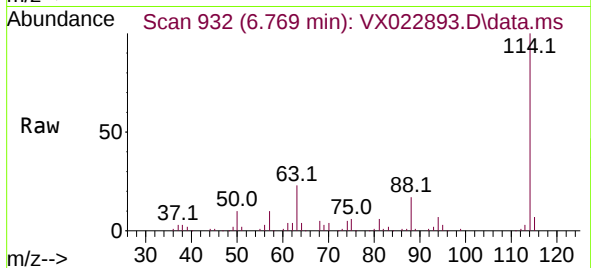




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

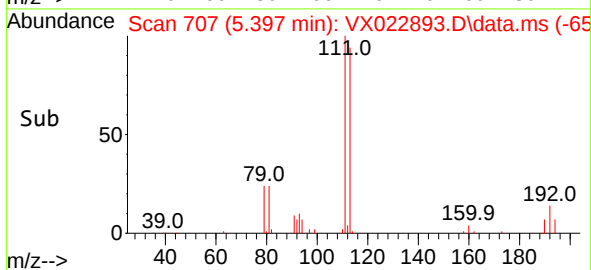
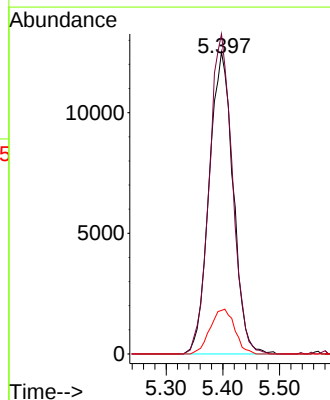
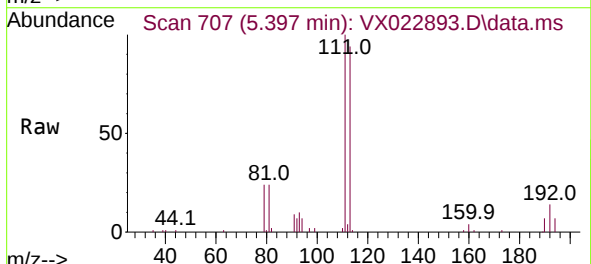
Instrument :
MSVOA_X
ClientSampled :

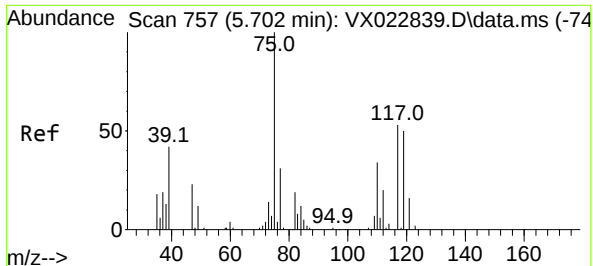
Tgt Ion:114 Resp: 108690
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.13 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion:113 Resp: 36674
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 15.2 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.87 ug/l

RT: 5.568 min Scan# 735

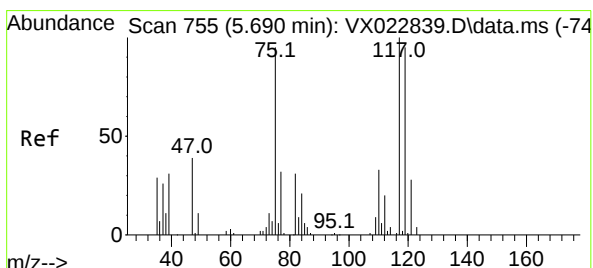
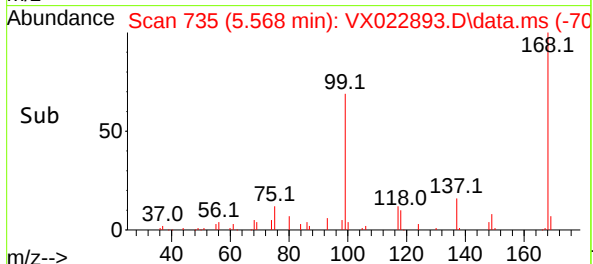
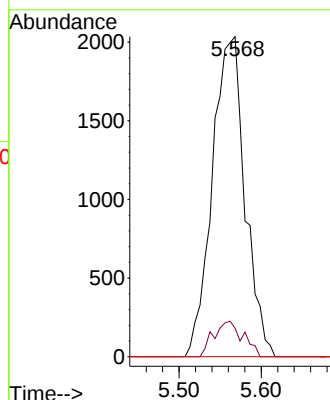
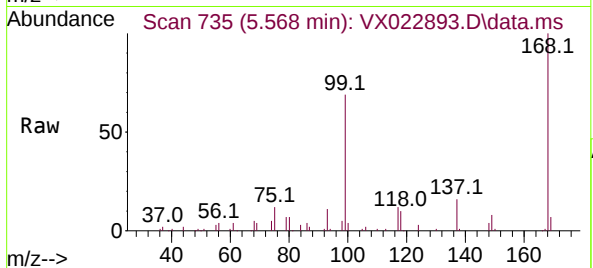
Delta R.T. -0.134 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion:	75	Resp:	5619
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 1.77 ug/l

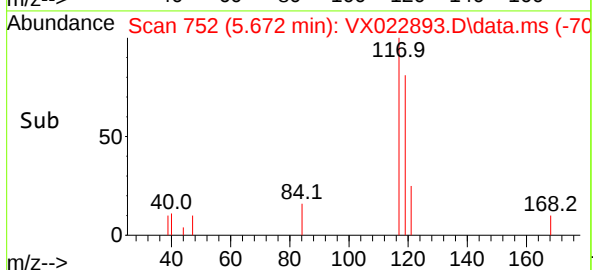
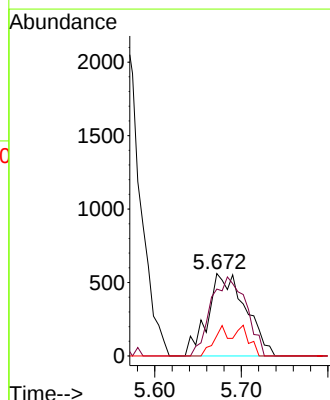
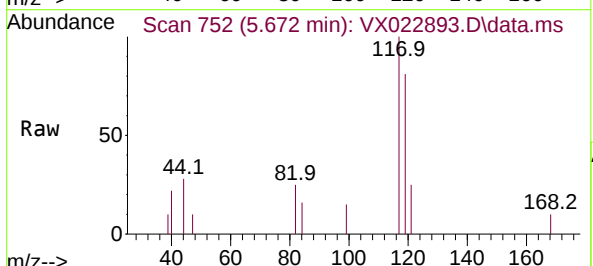
RT: 5.672 min Scan# 752

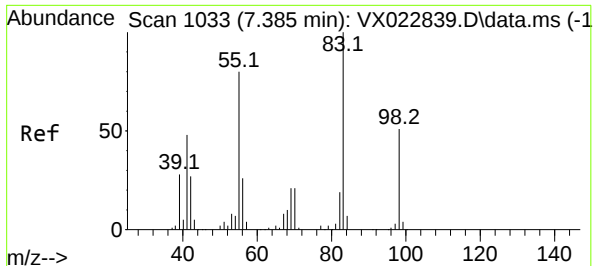
Delta R.T. -0.018 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion:	117	Resp:	1712
Ion	Ratio	Lower	Upper
117	100		
119	81.3	76.2	114.2
121	24.8	24.8	37.2#





#39

Methylcyclohexane

Concen: 2.79 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022893.D

Acq: 25 Jun 2021 01:59

Tgt Ion: 83 Resp: 3753

Ion Ratio Lower Upper

83 100

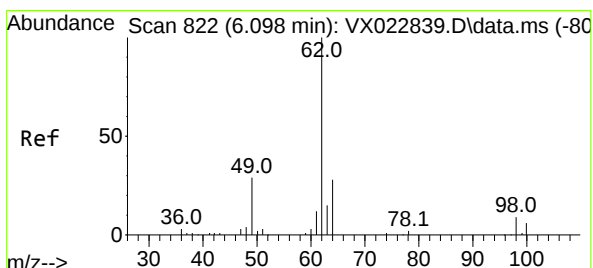
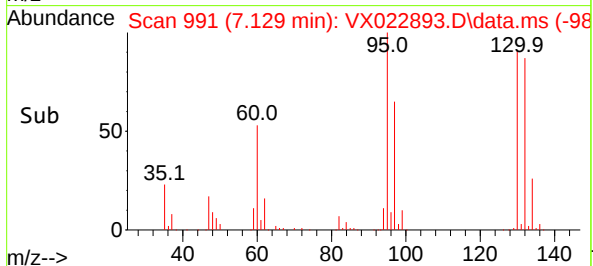
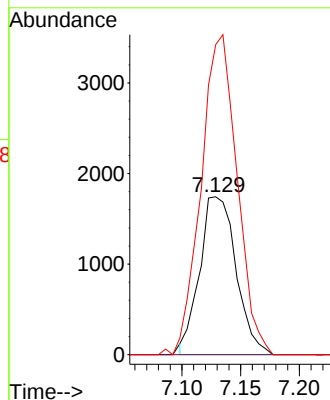
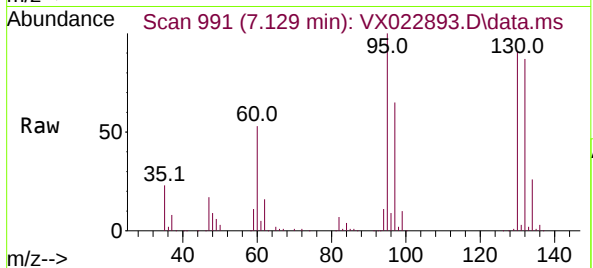
55 0.0 58.9 88.3#

98 189.1 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :



#42

1,2-Dichloroethane

Concen: 0.30 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.012 min

Lab File: VX022893.D

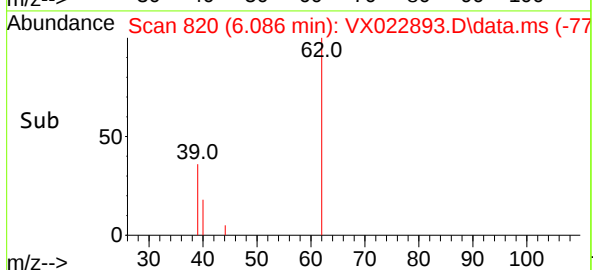
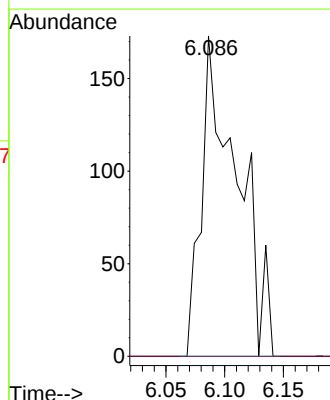
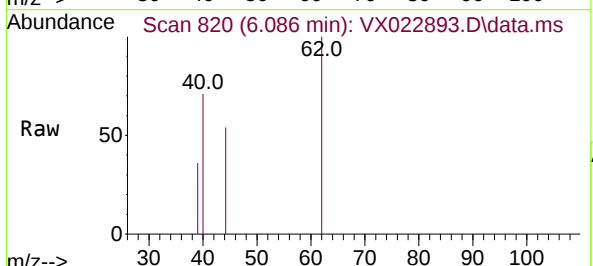
Acq: 25 Jun 2021 01:59

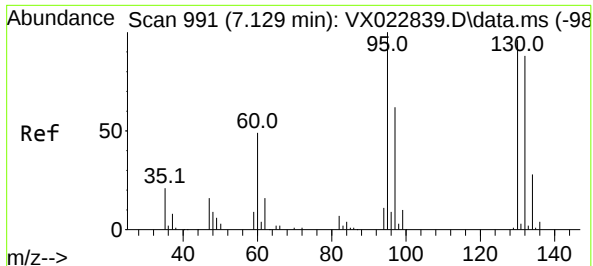
Tgt Ion: 62 Resp: 366

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

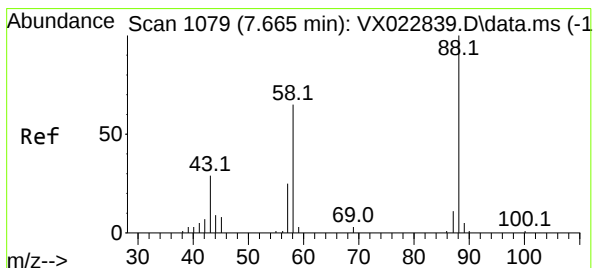
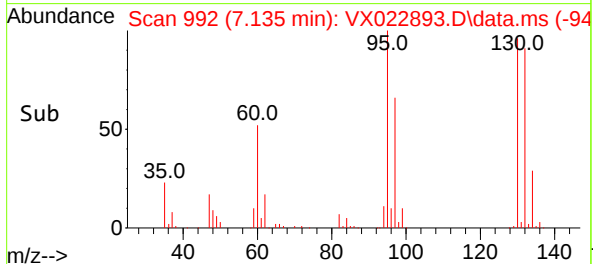
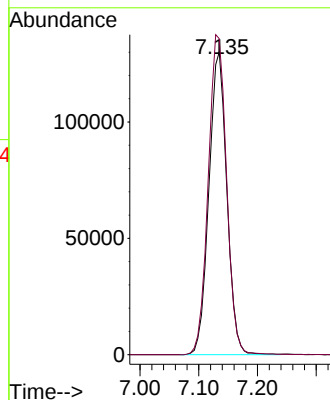
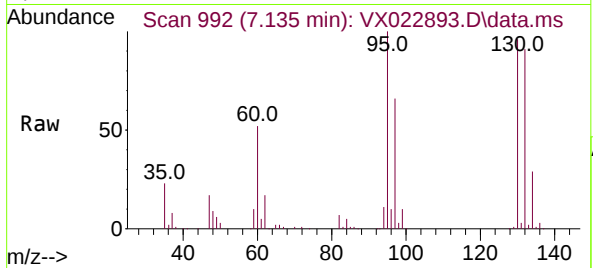




#44
Trichloroethene
Concen: 349.44 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

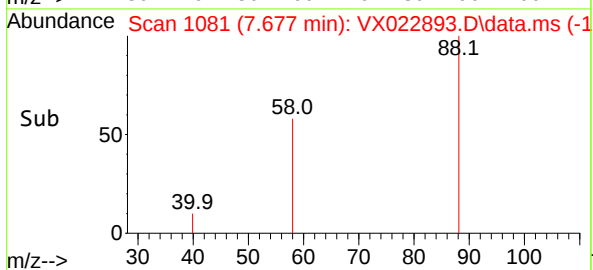
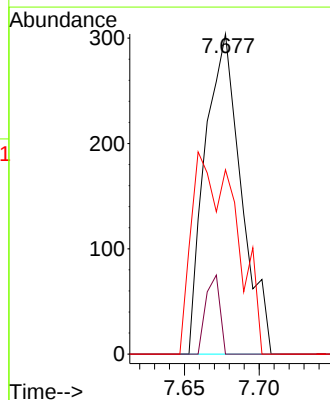
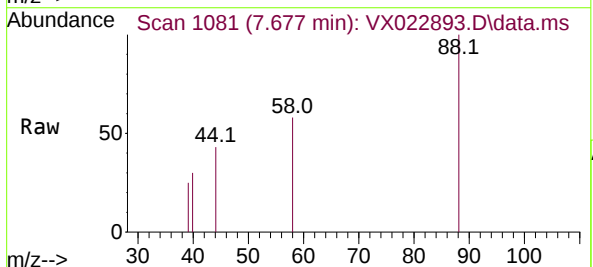
Instrument :
MSVOA_X
ClientSampled :

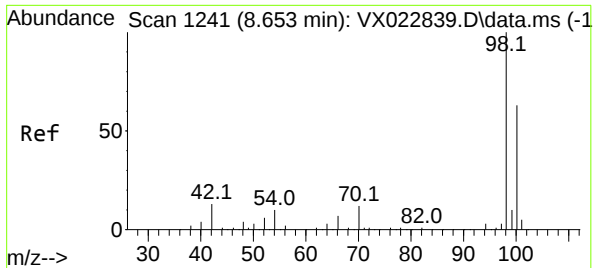
Tgt Ion:130 Resp: 275865
Ion Ratio Lower Upper
130 100
95 104.4 0.0 198.0



#49
1,4-Dioxane
Concen: 23.86 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 88 Resp: 511
Ion Ratio Lower Upper
88 100
43 9.6 23.2 34.8#
58 77.3 55.0 82.4

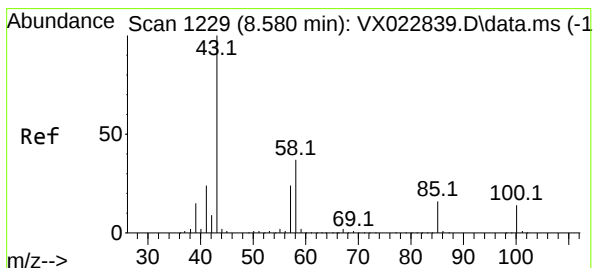
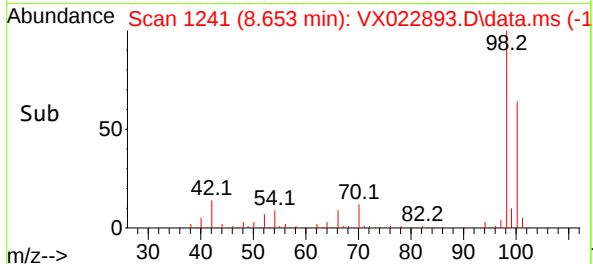
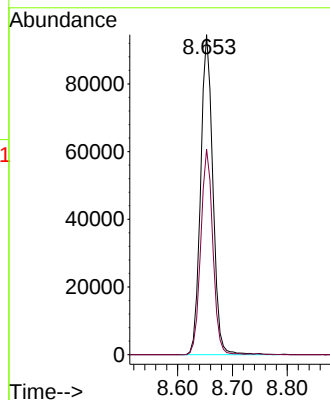
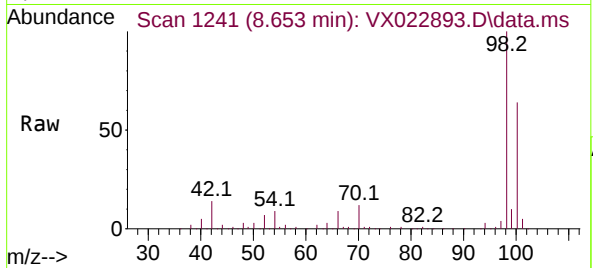




#50
Toluene-d8
Concen: 54.18 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

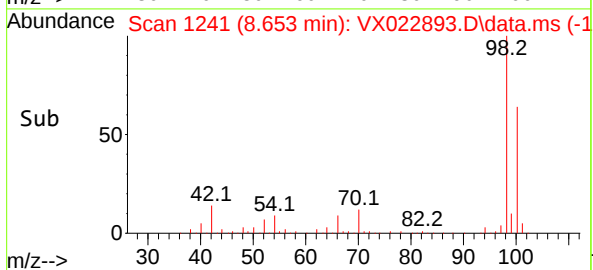
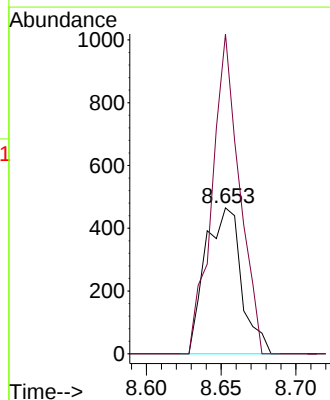
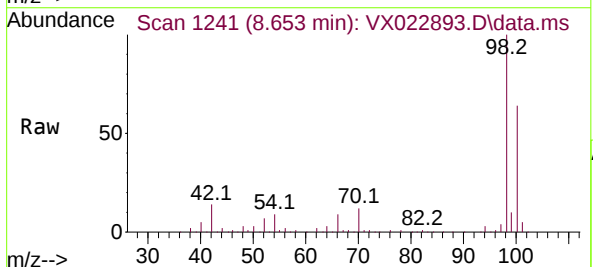
Instrument :
MSVOA_X
ClientSampled :

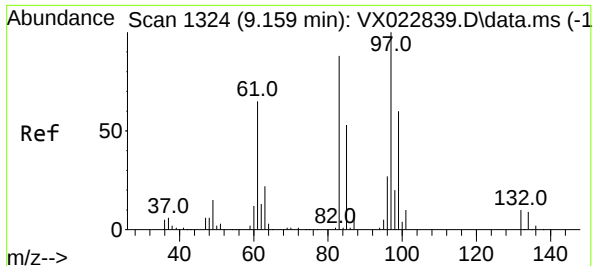
Tgt Ion: 98 Resp: 146552
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 167.2 35.4 53.0#

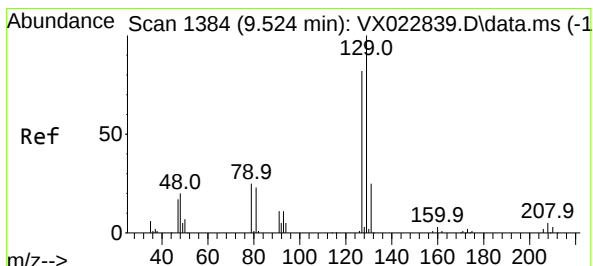
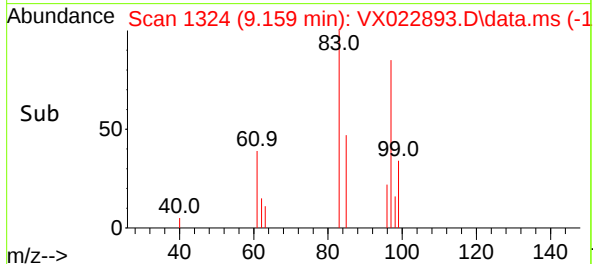
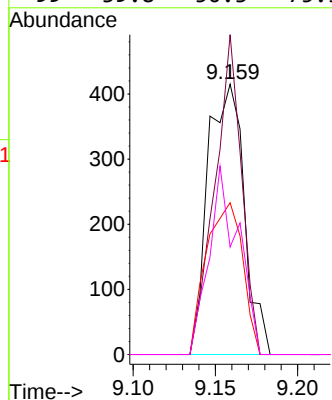
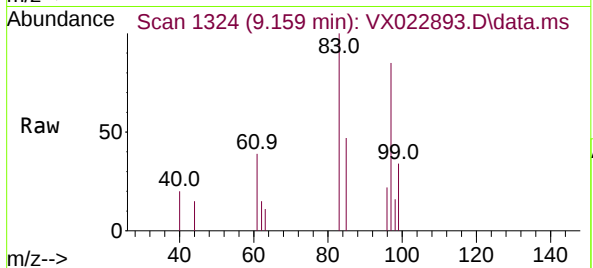




#55
1,1,2-Trichloroethane
Concen: 0.79 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

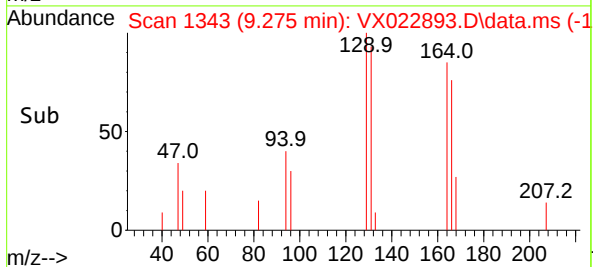
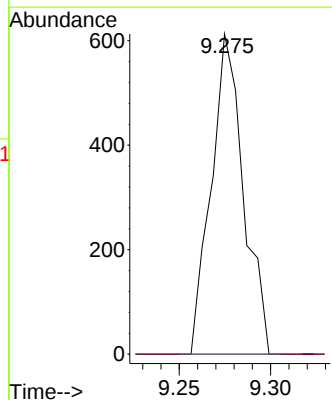
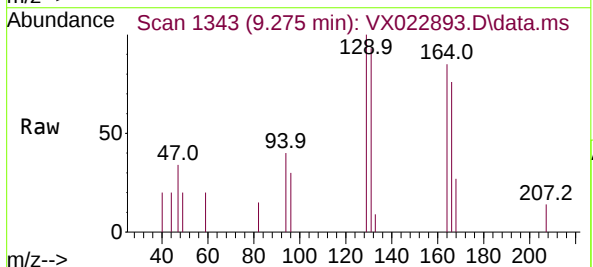
Instrument :
MSVOA_X
ClientSampled :

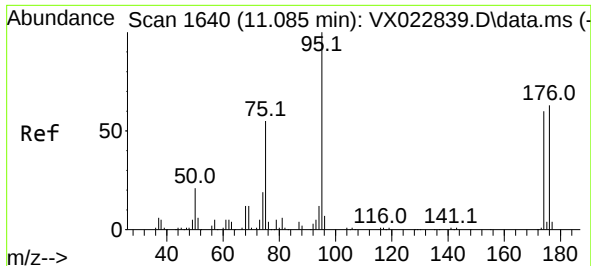
Tgt Ion: 97	Resp: 634
Ion Ratio	Lower Upper
97 100	
83 118.3	69.3 103.9#
85 56.1	44.3 66.5
99 39.8	50.3 75.5#



#60
Dibromochloromethane
Concen: 4.53 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion:129	Resp:	752	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

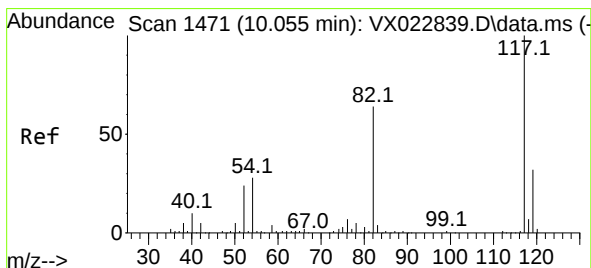
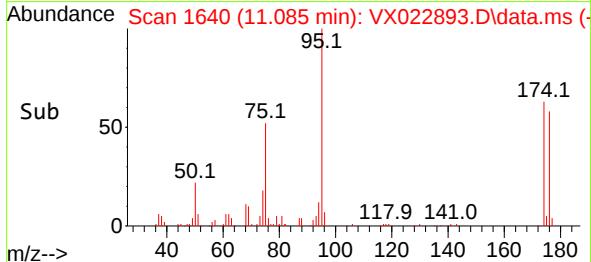
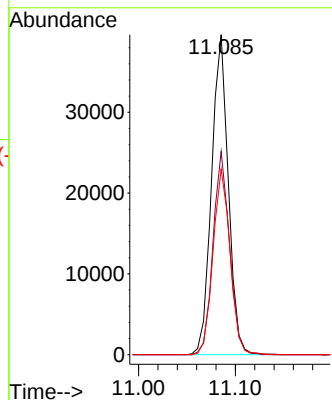
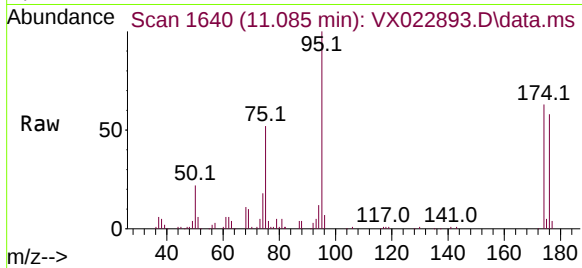




#62
4-Bromofluorobenzene
Concen: 47.19 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

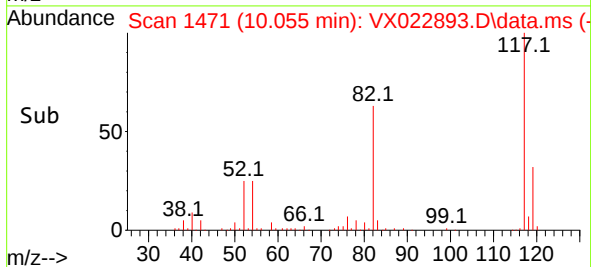
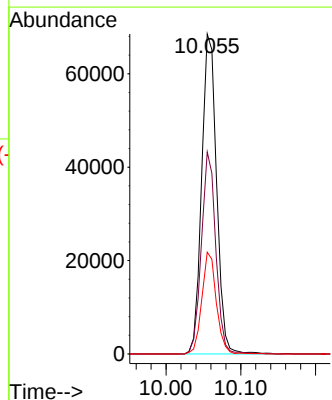
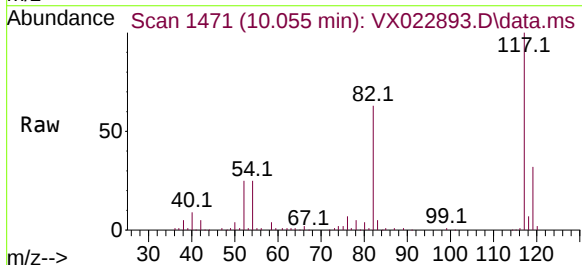
Instrument :
MSVOA_X
ClientSampleId :

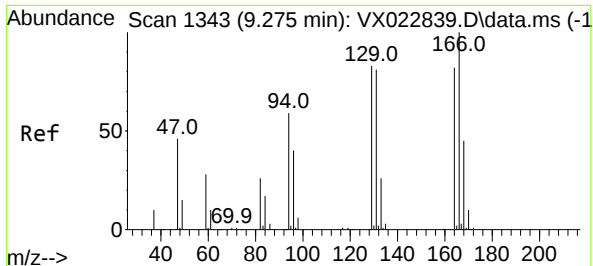
Tgt Ion: 95 Resp: 47638
Ion Ratio Lower Upper
95 100
174 62.6 0.0 154.6
176 59.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 117 Resp: 94875
Ion Ratio Lower Upper
117 100
82 63.2 47.4 71.2
119 31.8 26.6 39.8

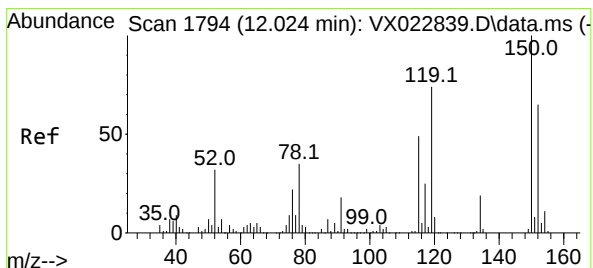
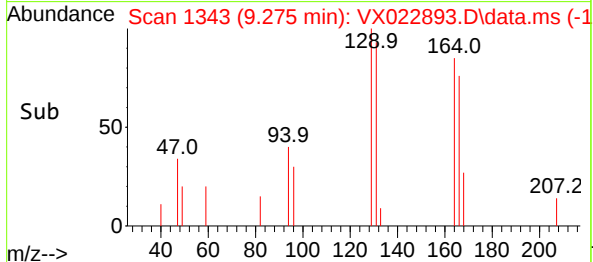
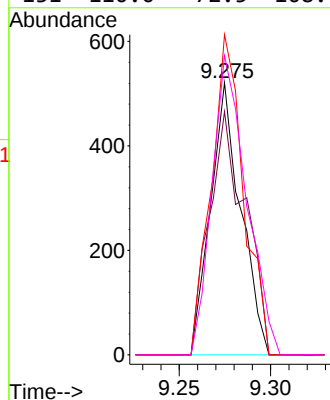
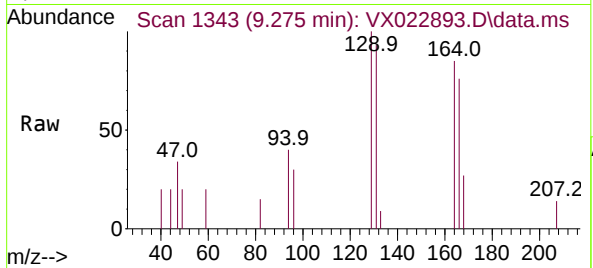




#64
Tetrachloroethene
Concen: 0.90 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

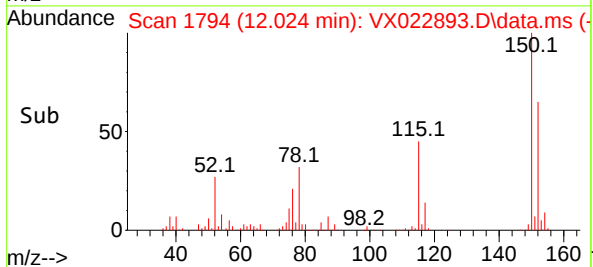
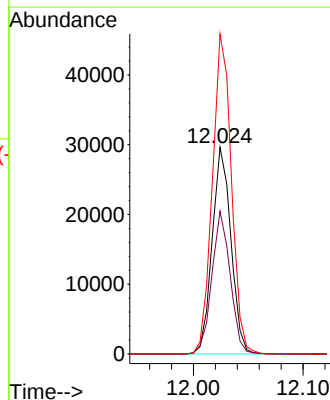
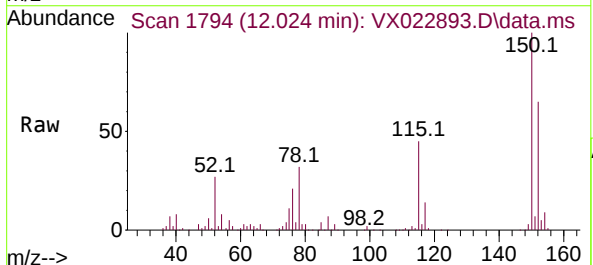
Instrument :
MSVOA_X
ClientSampleId :

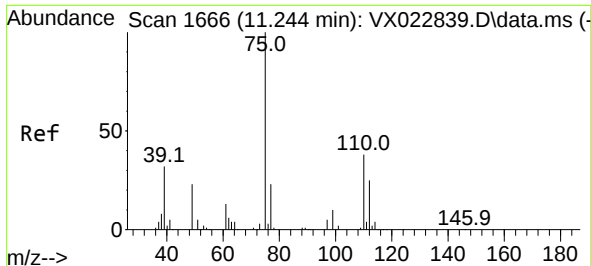
Tgt Ion:	164	Resp:	599
Ion	Ratio	Lower	Upper
164	100		
166	89.4	103.4	155.2#
129	117.7	70.8	106.2#
131	110.0	72.5	108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion:	152	Resp:	35219
Ion	Ratio	Lower	Upper
152	100		
115	67.6	41.1	123.3
150	156.7	0.0	349.0

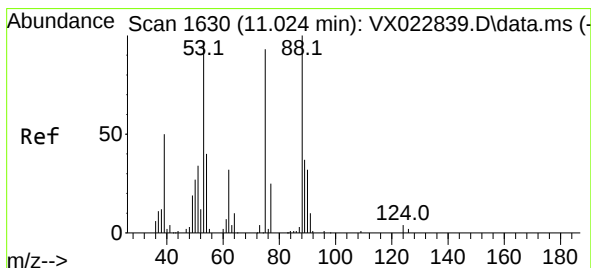
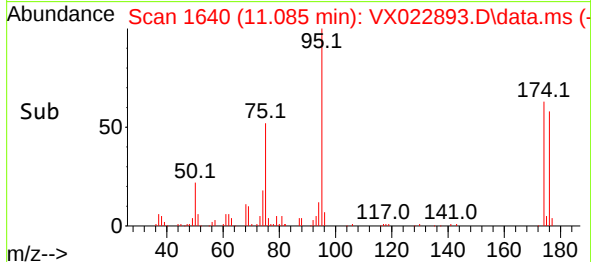
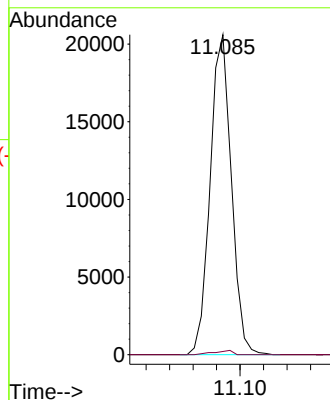
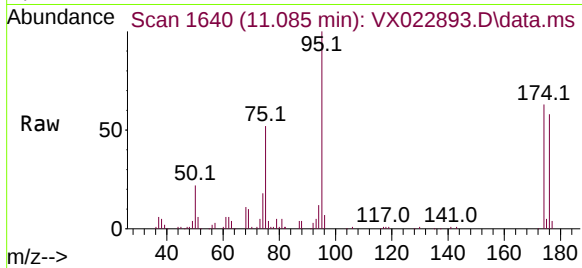




#76
1,2,3-Trichloropropane
Concen: 27.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 25828
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.74 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022893.D
Acq: 25 Jun 2021 01:59

Tgt Ion: 75 Resp: 25828
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

