

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023695.D
 Acq On : 13 Aug 2021 17:00
 Operator : JC/MD
 Sample : PB138358ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:27:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

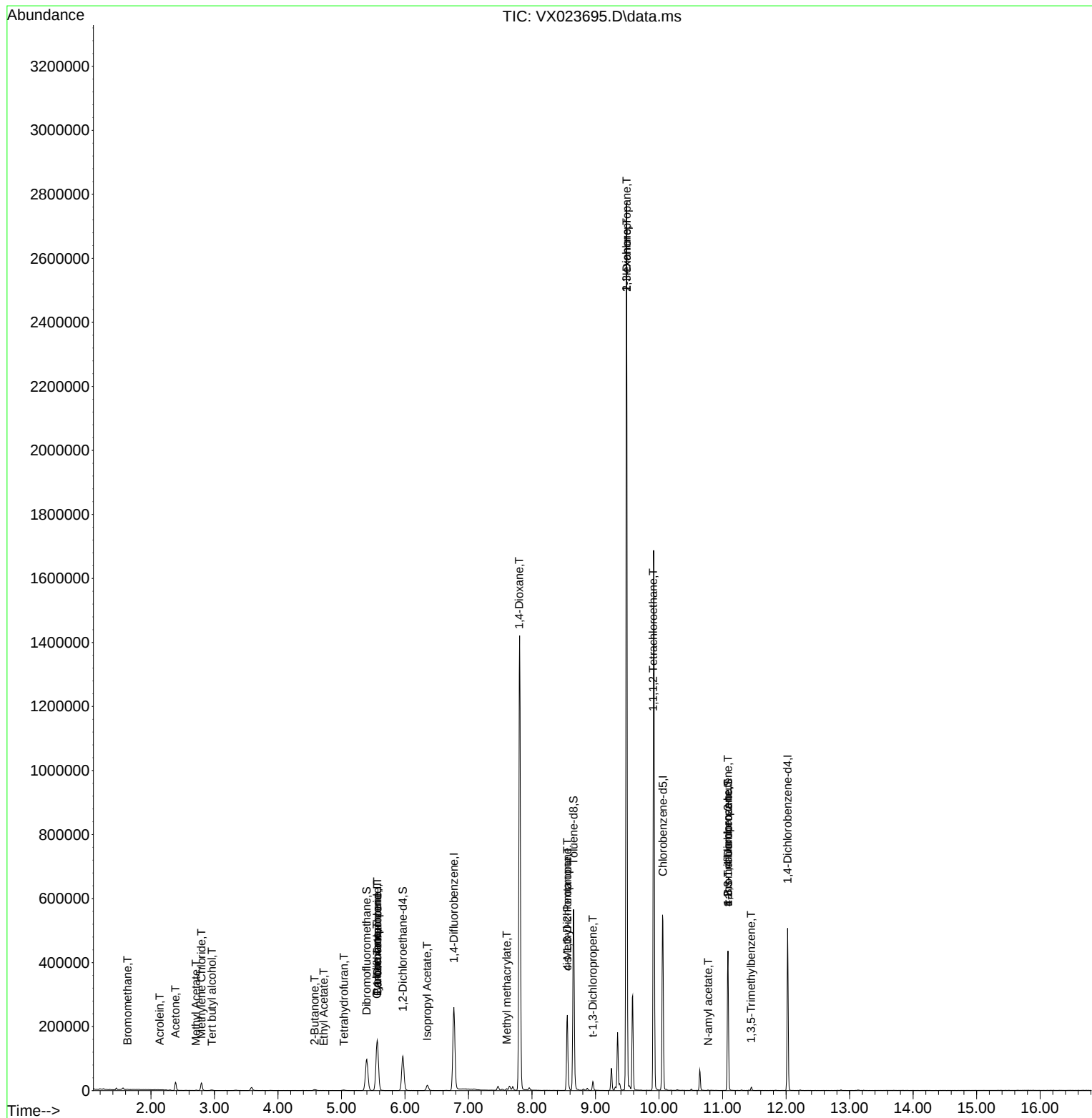
Internal Standards						
1) Pentafluorobenzene	5.562	168	147679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	242718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105057	57.029	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 114.060%		
35) Dibromofluoromethane	5.397	113	81141	51.315	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.640%		
50) Toluene-d8	8.653	98	321464	55.335	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 110.660%		
62) 4-Bromofluorobenzene	11.085	95	109588	55.475	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.960%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.629	94	401	0.422	ug/l #	47
11) Tert butyl alcohol	2.958	59	1486	3.531	ug/l #	73
13) Acrolein	2.135	56	25	1.480	ug/l #	1
16) Acetone	2.385	43	27947	30.926	ug/l	90
18) Methyl Acetate	2.709	43	1894	0.882	ug/l #	82
20) Methylene Chloride	2.794	84	10794	6.141	ug/l	94
25) 2-Butanone	4.574	43	4569	3.257	ug/l #	85
29) Tetrahydrofuran	5.037	42	1403	1.526	ug/l #	83
31) Cyclohexane	5.556	56	3313	1.214	ug/l #	47
36) 1,1-Dichloropropene	5.562	75	11877	5.192	ug/l #	48
37) Ethyl Acetate	4.720	43	691	0.240	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15048	6.468	ug/l #	16
43) Isopropyl Acetate	6.348	43	22812	5.104	ug/l	93
48) Methyl methacrylate	7.604	41	6025	2.911	ug/l #	10
49) 1,4-Dioxane	7.799	88	250	5.672	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83680	30.609	ug/l #	45
53) t-1,3-Dichloropropene	8.957	75	20	1.824	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34598	12.653	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	22376	7.739	ug/l #	43
59) 2-Hexanone	9.488	43	331498	159.680	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.908	131	71	1.011	ug/l #	8
74) N-amyl acetate	10.774	43	795	0.234	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	58442	26.916	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4543	0.749	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	58442	72.374	ug/l #	12

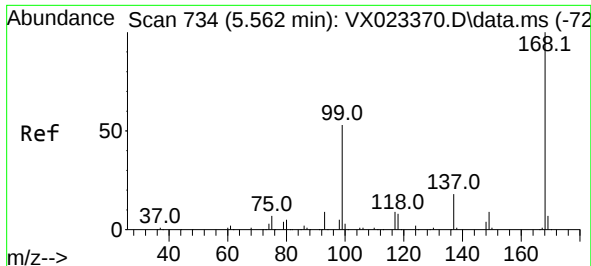
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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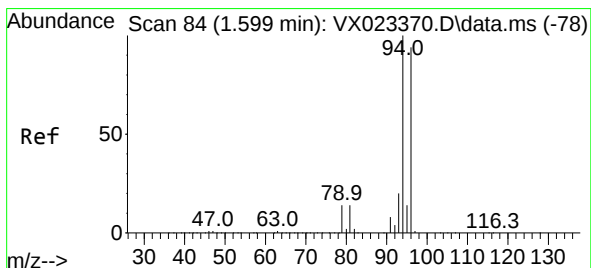
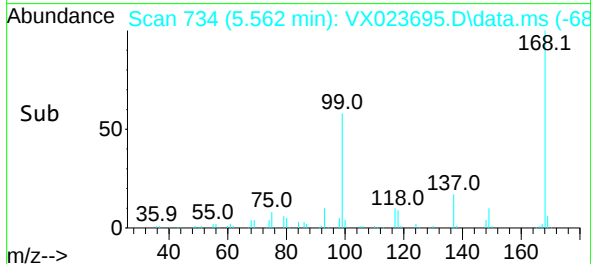
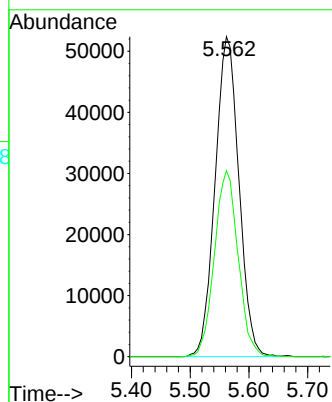
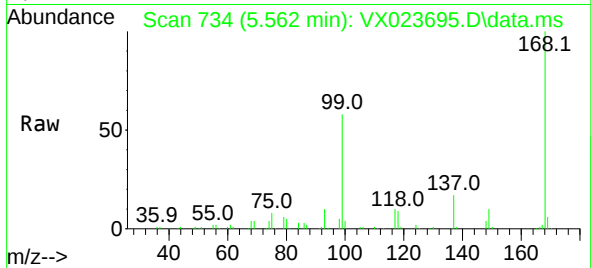




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

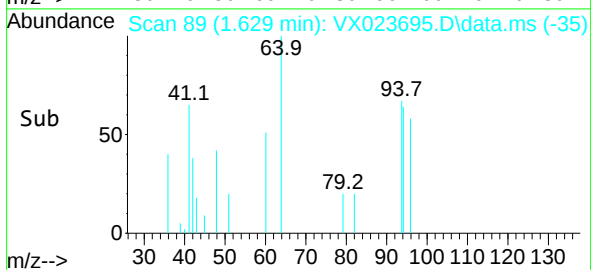
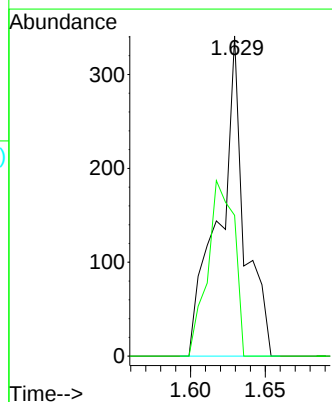
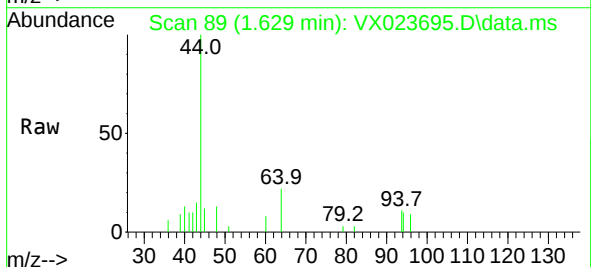
Instrument :
MSVOA_X
ClientSampled :

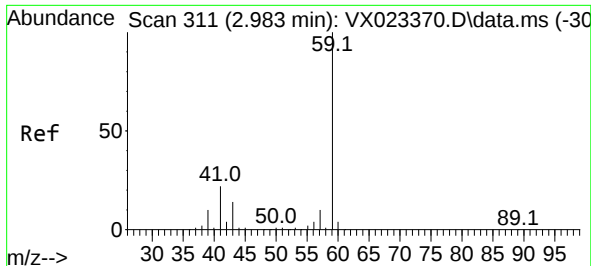
Tgt Ion:168 Resp: 147679
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#5
Bromomethane
Concen: 0.422 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.030 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

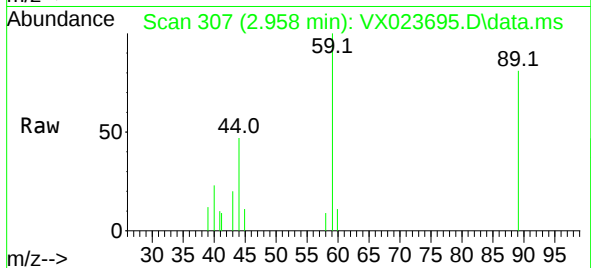
Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 44.0 76.4 114.6#



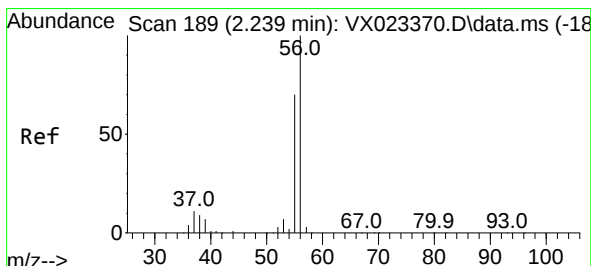
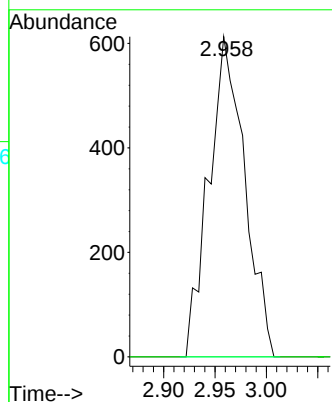
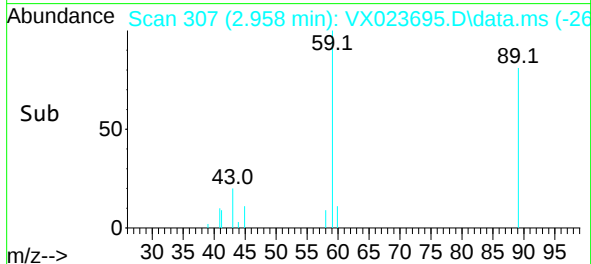


#11
Tert butyl alcohol
Concen: 3.531 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.025 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

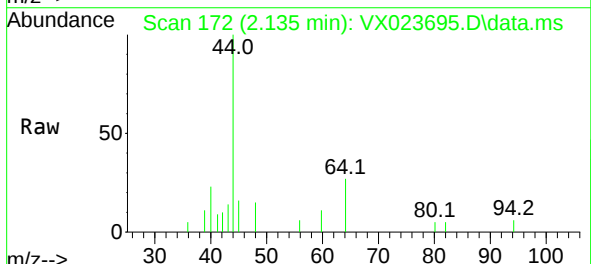
Instrument :
MSVOA_X
ClientSampled :



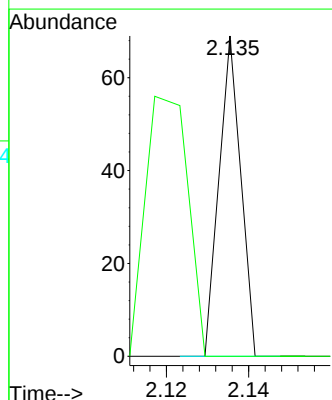
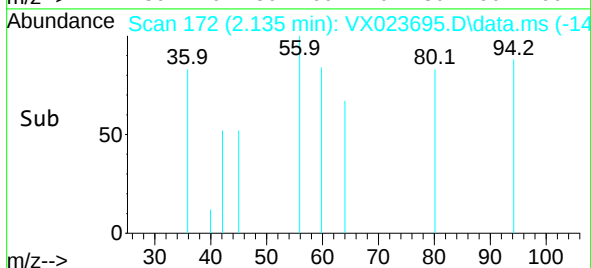
Tgt Ion: 59 Resp: 1486
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

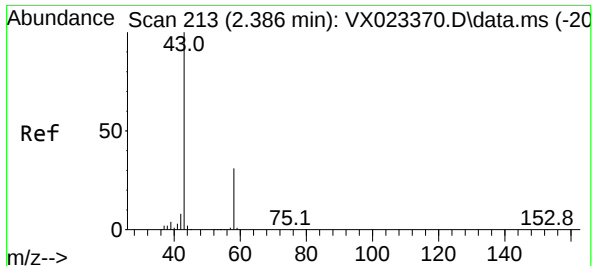


#13
Acrolein
Concen: 1.480 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.104 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00



Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 160.0 56.4 84.6#

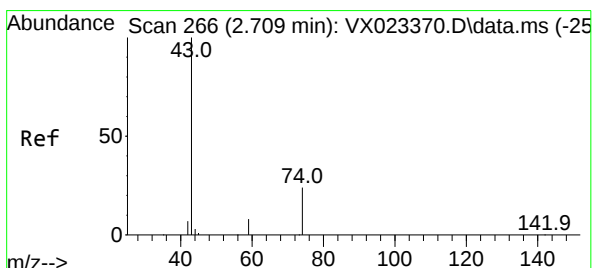
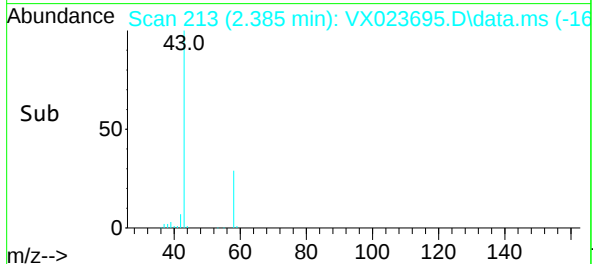
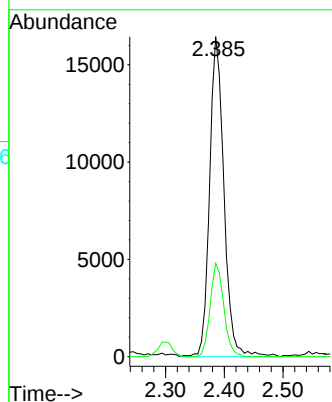
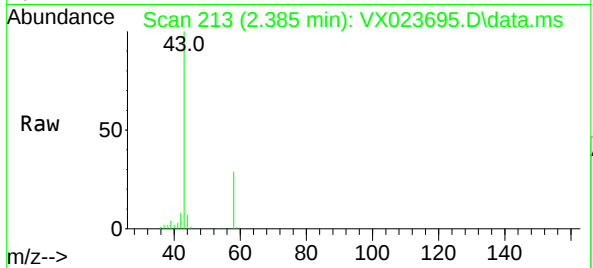




#16
Acetone
Concen: 30.926 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

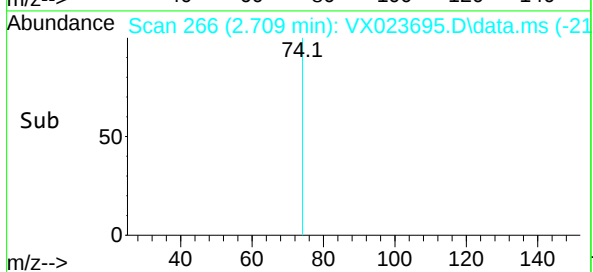
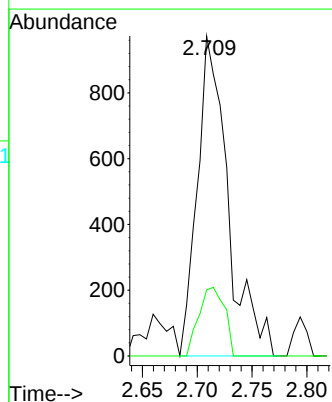
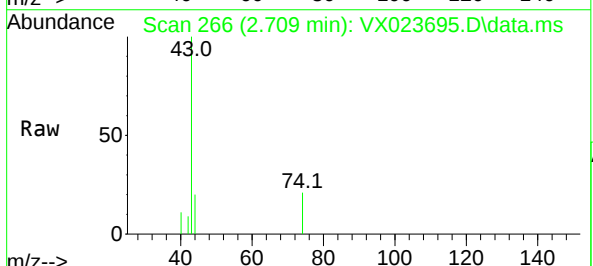
Instrument :
MSVOA_X
ClientSampled :

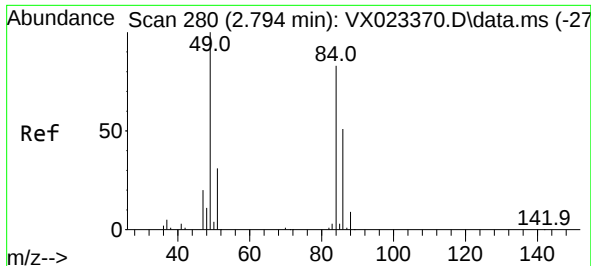
Tgt Ion: 43 Resp: 27947
Ion Ratio Lower Upper
43 100
58 29.2 27.8 41.8



#18
Methyl Acetate
Concen: 0.882 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

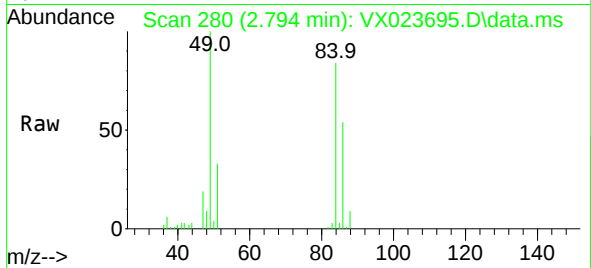
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
74 18.0 21.9 32.9#



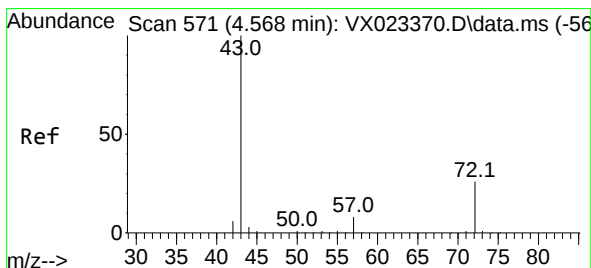
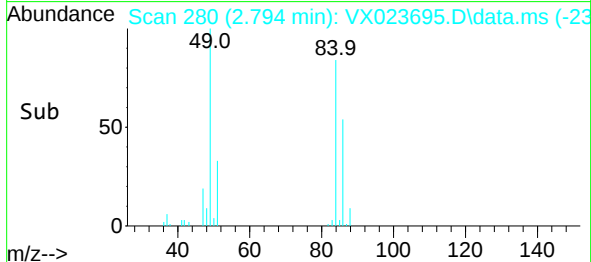
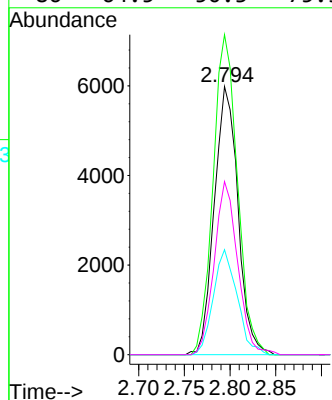


#20
Methylene Chloride
Concen: 6.141 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Instrument :
MSVOA_X
ClientSampled :

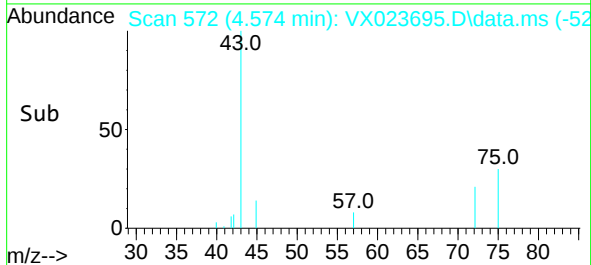
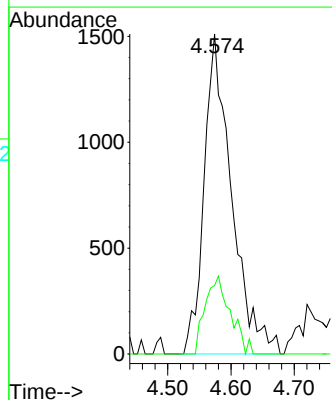
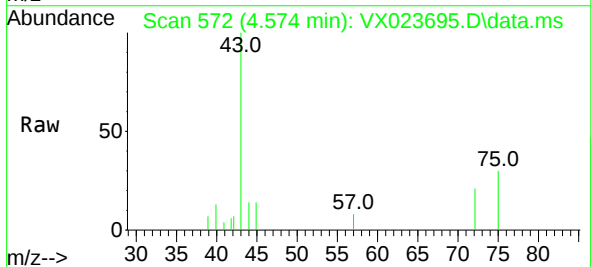


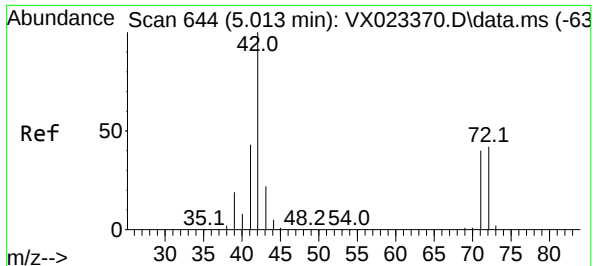
Tgt Ion:	84	Resp:	10794
Ion	Ratio	Lower	Upper
84	100		
49	119.3	88.6	132.8
51	39.1	27.0	40.6
86	64.5	50.3	75.5



#25
2-Butanone
Concen: 3.257 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion:	43	Resp:	4569
Ion	Ratio	Lower	Upper
43	100		
72	21.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.526 ug/l

RT: 5.037 min Scan# 648

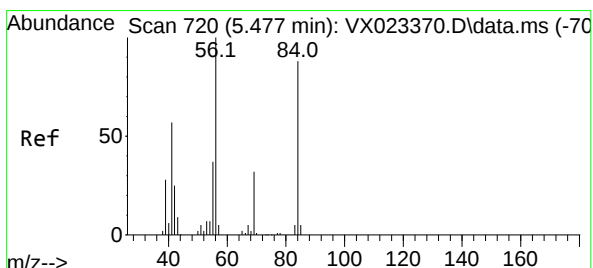
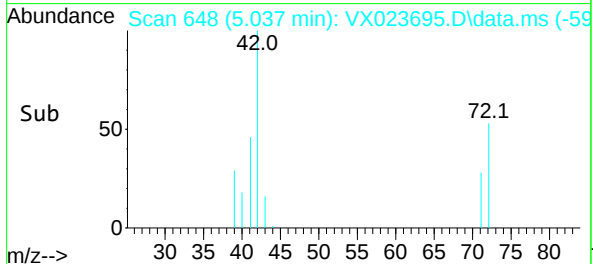
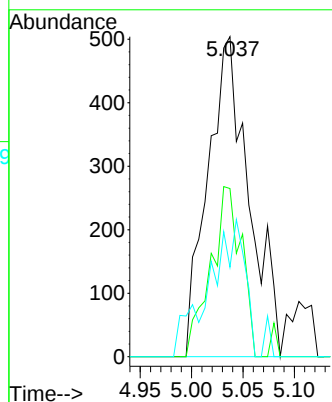
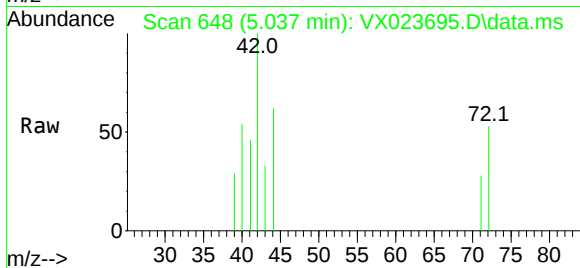
Delta R.T. 0.024 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	42	Resp:	1403
Ion	Ratio	Lower	Upper
42	100		
72	39.6	41.7	62.5#
71	37.3	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.214 ug/l

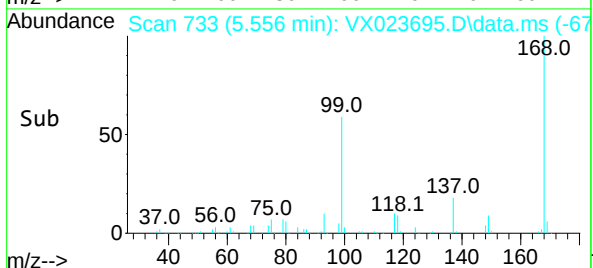
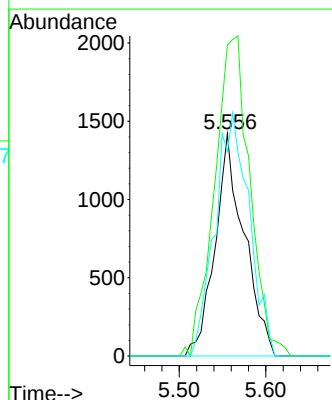
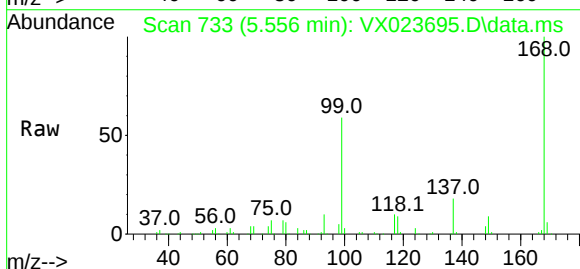
RT: 5.556 min Scan# 733

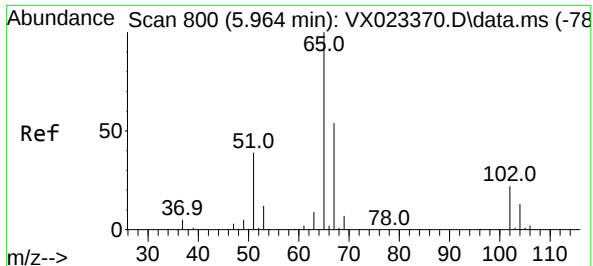
Delta R.T. 0.079 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	56	Resp:	3313
Ion	Ratio	Lower	Upper
56	100		
69	139.9	25.3	37.9#
84	92.1	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 57.029 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023695.D

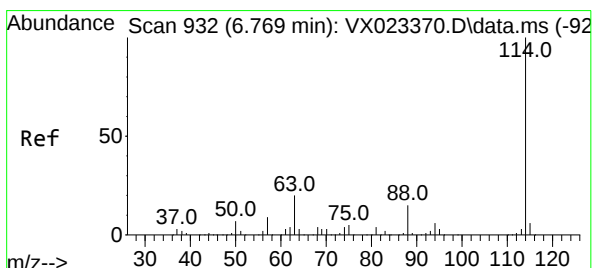
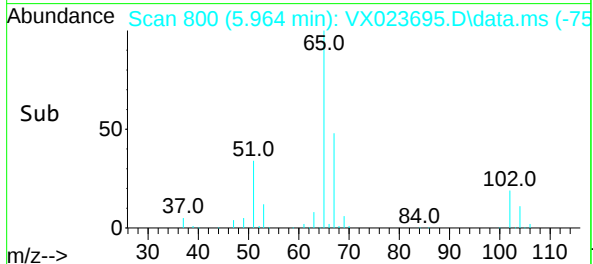
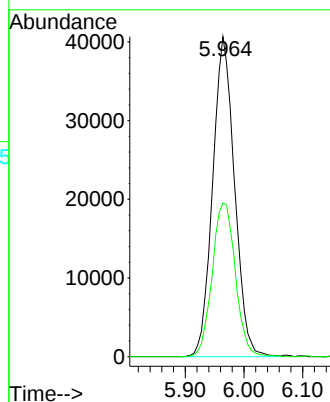
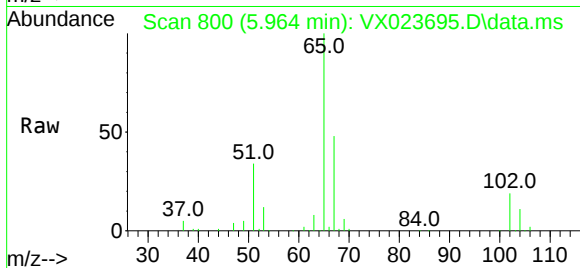
Acq: 13 Aug 2021 17:00

Tgt Ion: 65 Resp: 105057

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

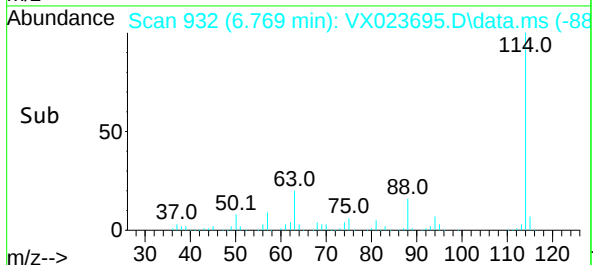
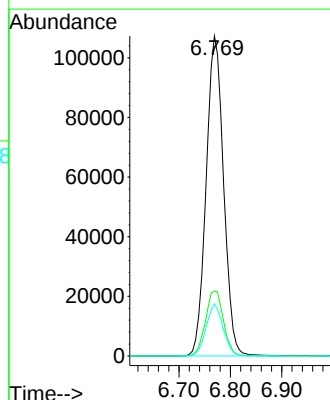
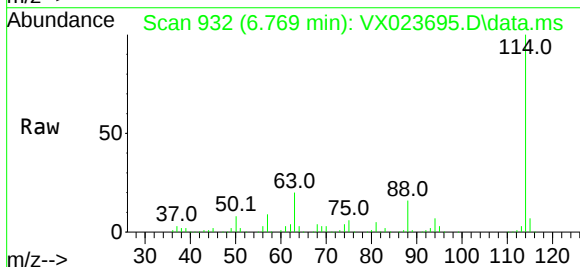
Tgt Ion: 114 Resp: 252896

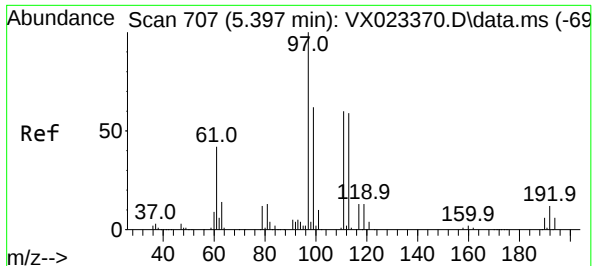
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.315 ug/l

RT: 5.397 min Scan# 707

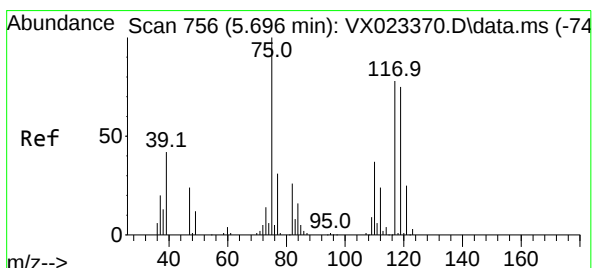
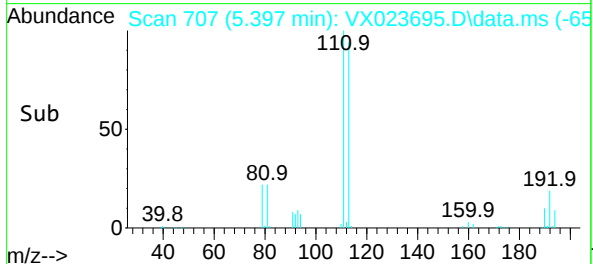
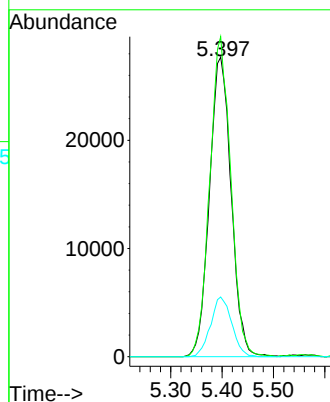
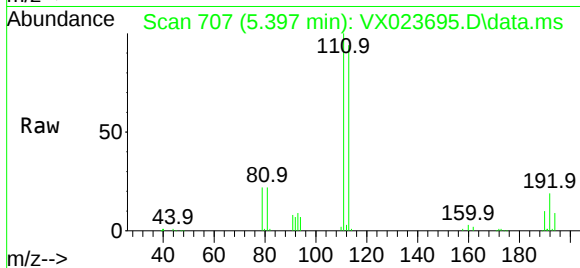
Delta R.T. 0.000 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	113	Resp:	81141
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	19.5	16.7	25.1

Instrument :
MSVOA_X
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.192 ug/l

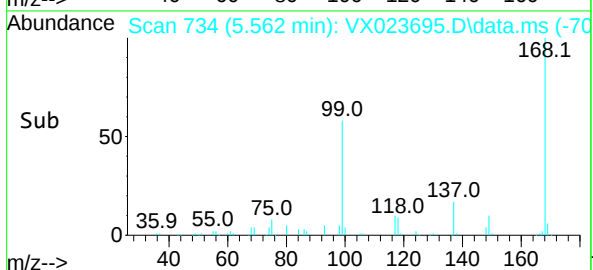
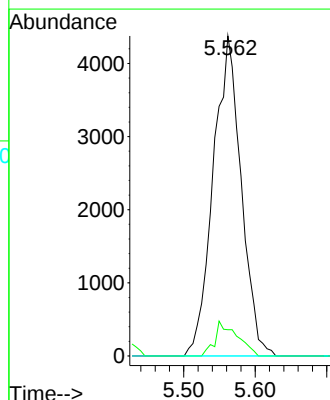
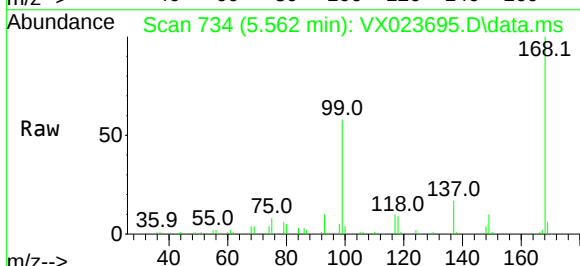
RT: 5.562 min Scan# 734

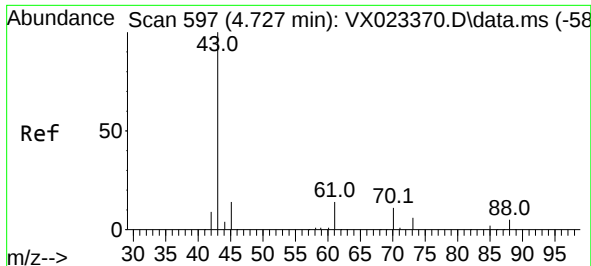
Delta R.T. -0.134 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	75	Resp:	11877
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 0.240 ug/l

RT: 4.720 min Scan# 596

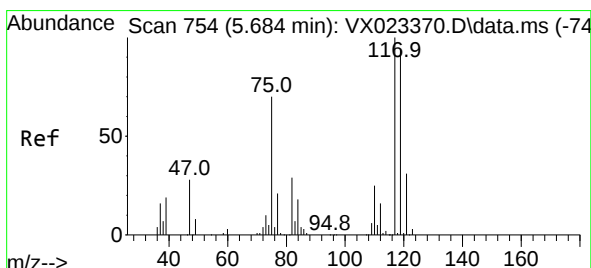
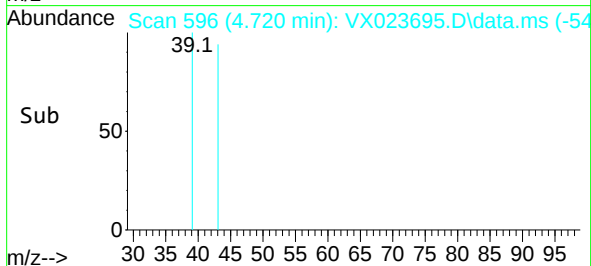
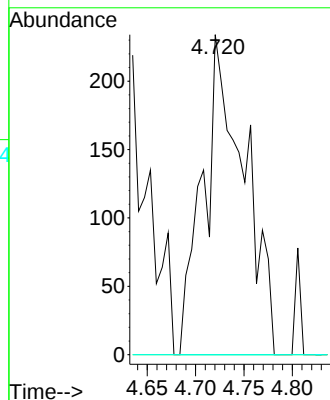
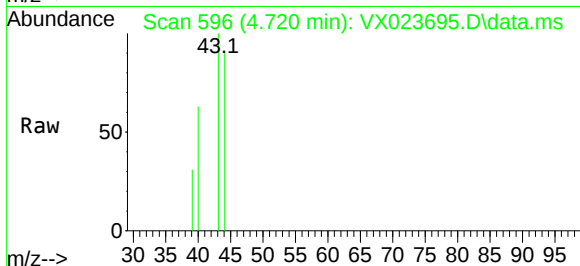
Delta R.T. -0.007 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	43	Resp:	691
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.468 ug/l

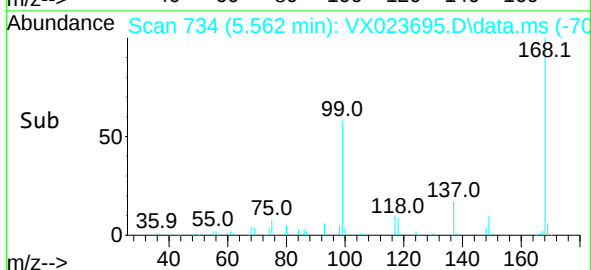
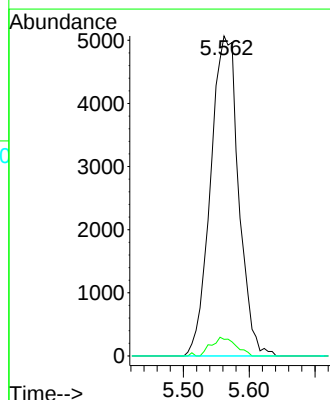
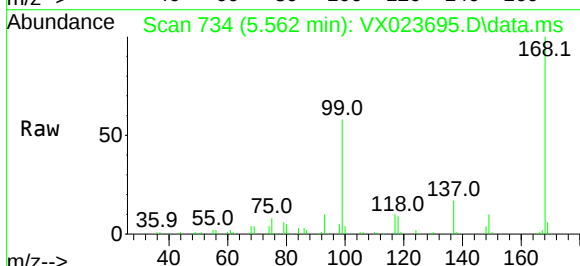
RT: 5.562 min Scan# 734

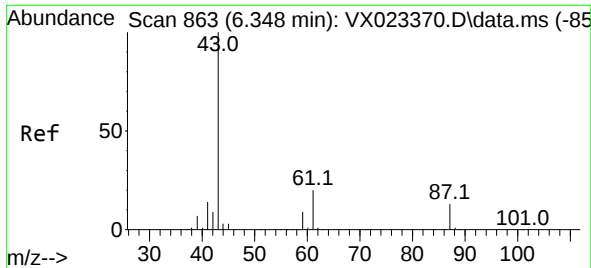
Delta R.T. -0.122 min

Lab File: VX023695.D

Acq: 13 Aug 2021 17:00

Tgt Ion:	117	Resp:	15048
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	24.8	37.2#

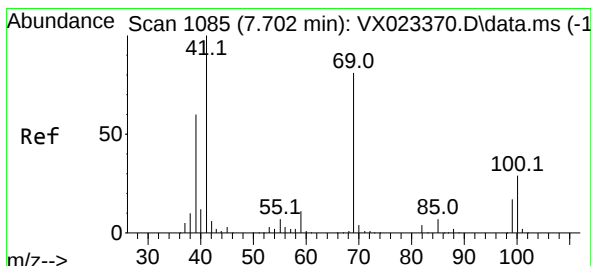
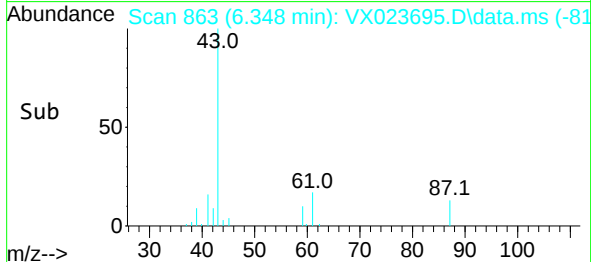
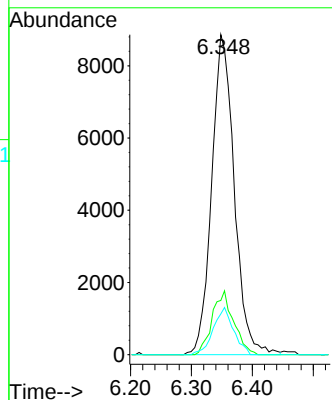
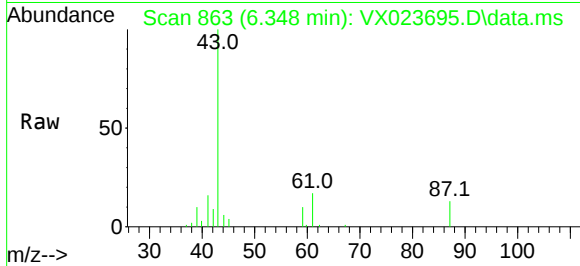




#43
Isopropyl Acetate
Concen: 5.104 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

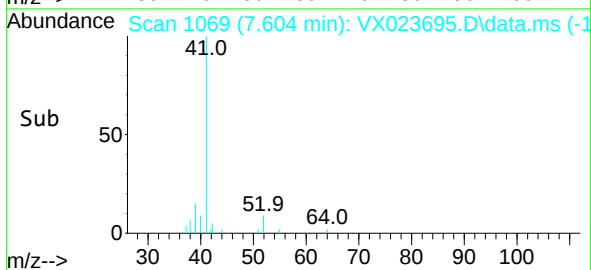
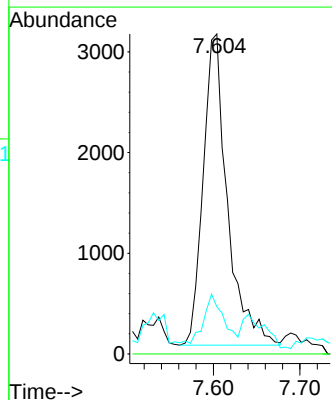
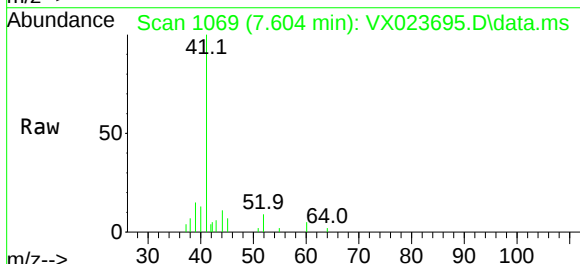
Instrument :
MSVOA_X
ClientSampled :

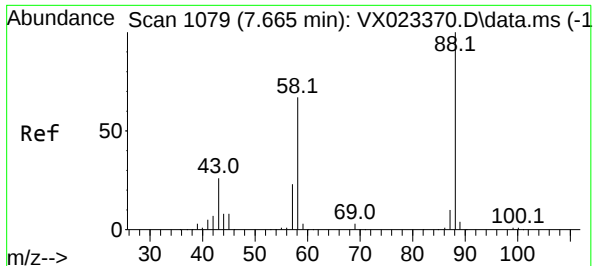
Tgt Ion:	43	Resp:	22812
Ion	Ratio	Lower	Upper
43	100		
61	18.8	18.2	27.4
87	13.2	12.5	18.7



#48
Methyl methacrylate
Concen: 2.911 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion:	41	Resp:	6025
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

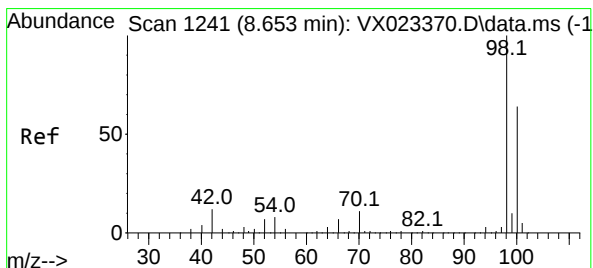
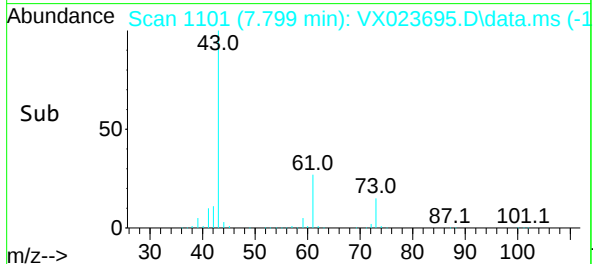
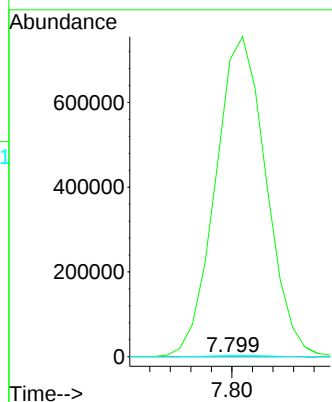
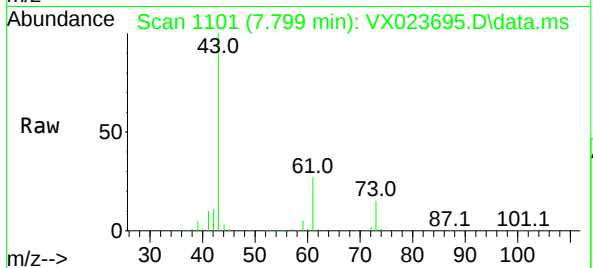




#49
1,4-Dioxane
Concen: 5.672 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

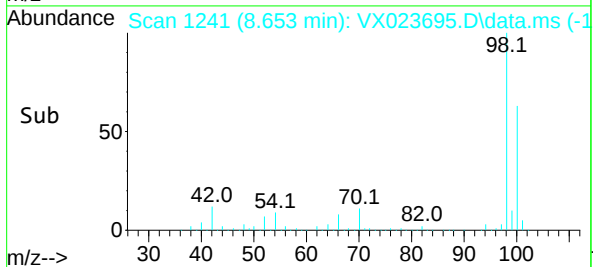
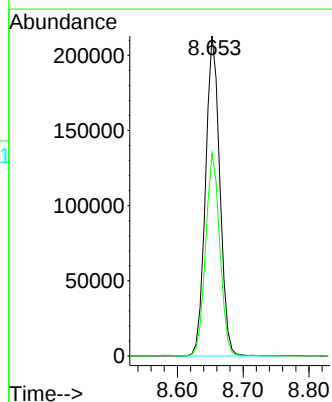
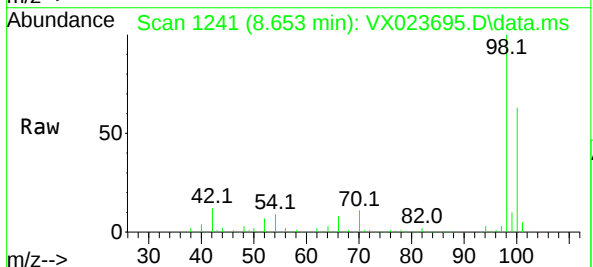
Instrument :
MSVOA_X
ClientSampled :

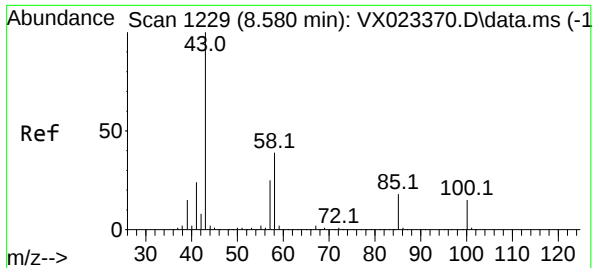
Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 519753.2 23.2 34.8#
58 2278.4 55.0 82.4#



#50
Toluene-d8
Concen: 55.335 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion: 98 Resp: 321464
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

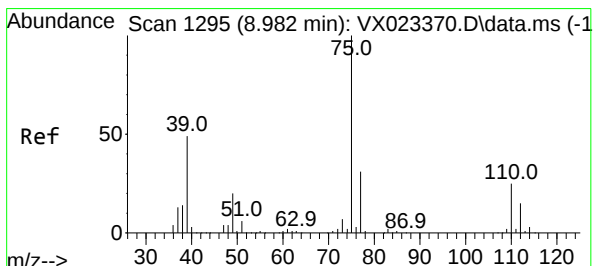
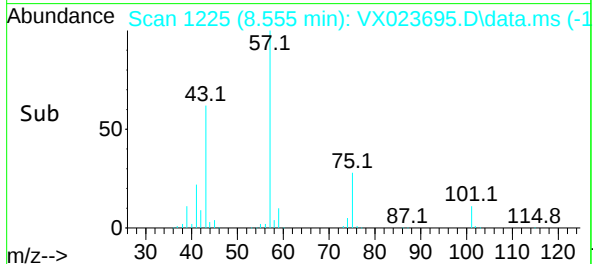
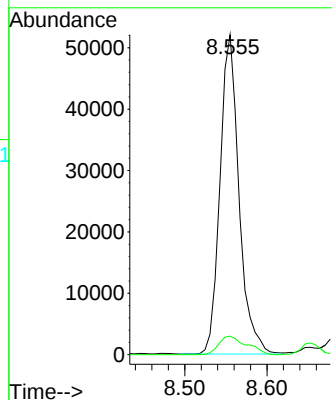
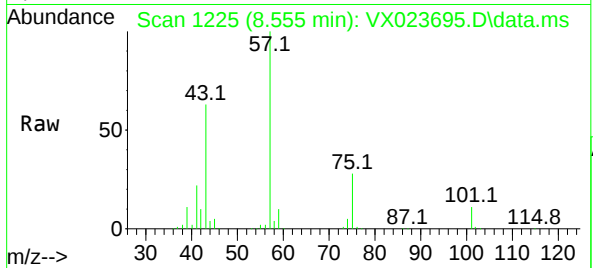




#51
4-Methyl-2-Pentanone
Concen: 30.609 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

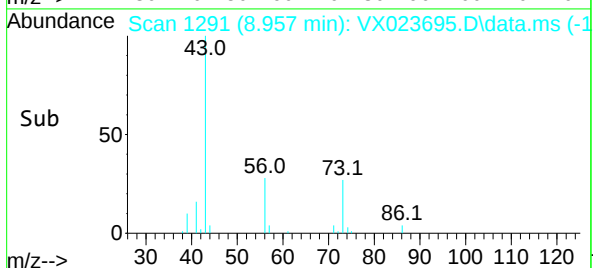
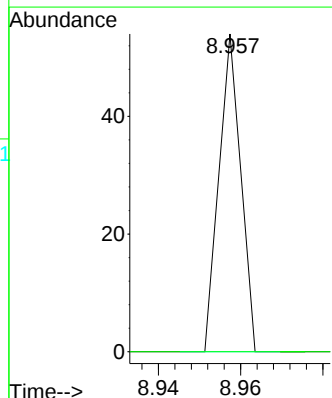
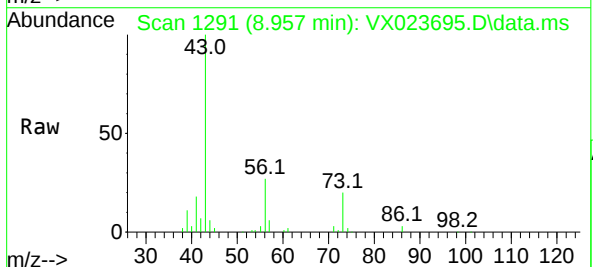
Instrument :
MSVOA_X
ClientSampled :

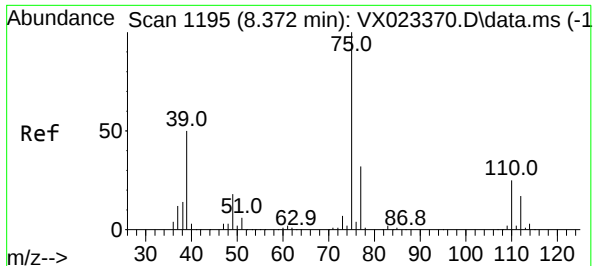
Tgt Ion: 43 Resp: 83680
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.824 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



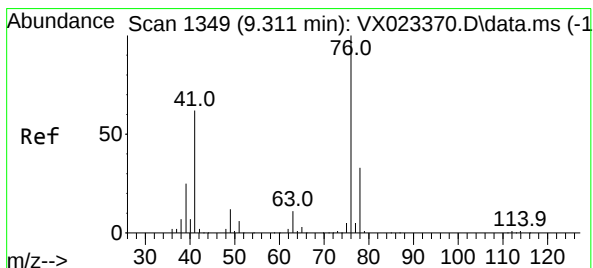
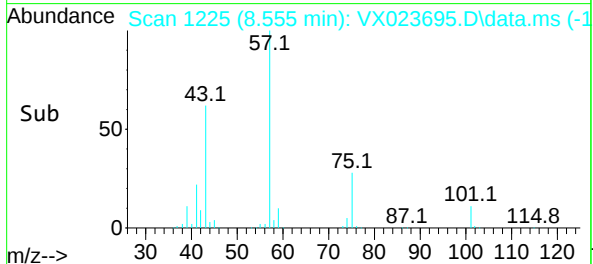
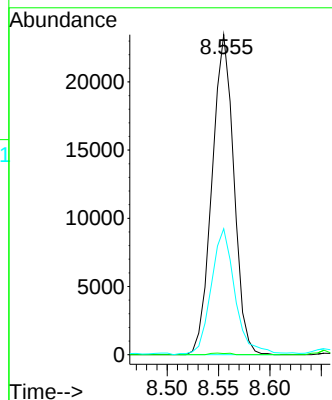
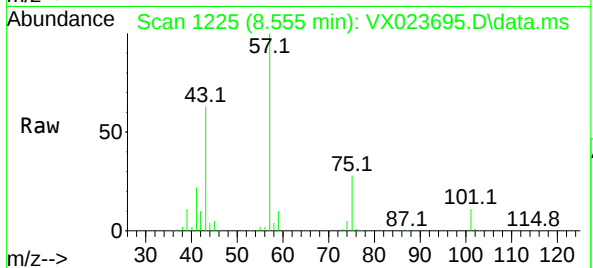


#54

cis-1,3-Dichloropropene
 Concen: 12.653 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023695.D
 Acq: 13 Aug 2021 17:00

Instrument :
 MSVOA_X
 ClientSampled :

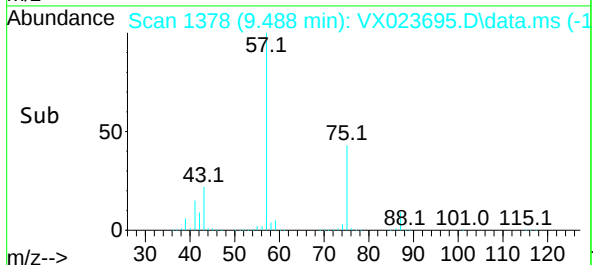
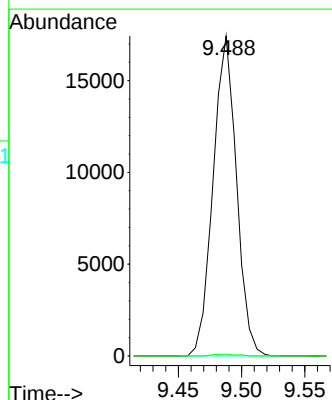
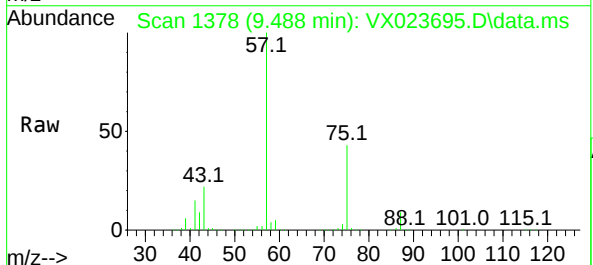
Tgt Ion: 75 Resp: 34598
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 39.0 35.1 52.7

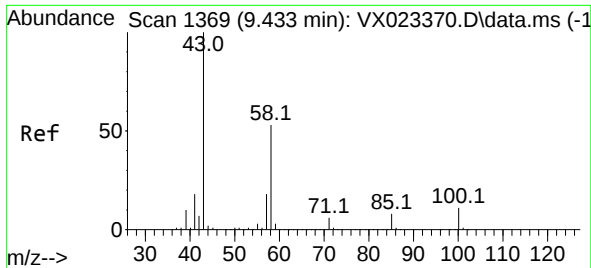


#57

1,3-Dichloropropane
 Concen: 7.739 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023695.D
 Acq: 13 Aug 2021 17:00

Tgt Ion: 76 Resp: 22376
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

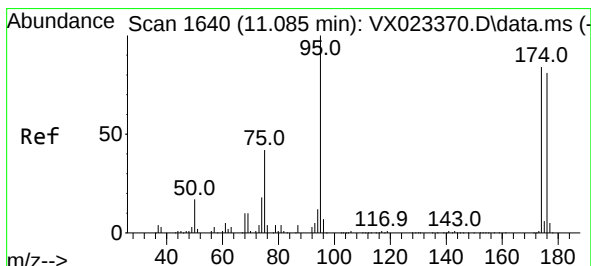
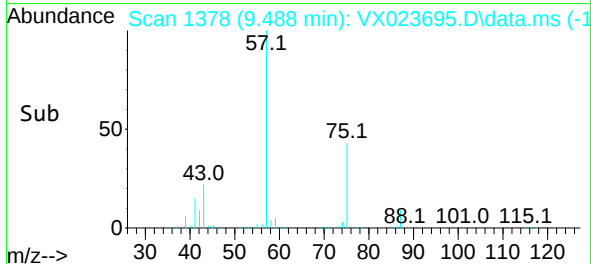
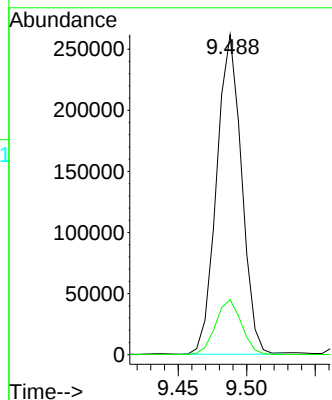
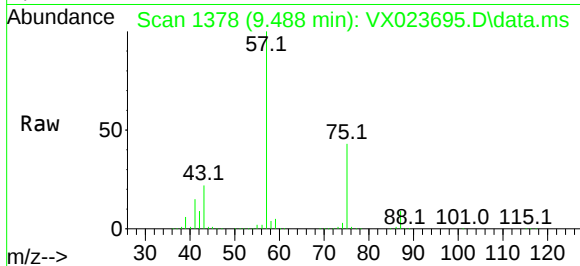




#59
2-Hexanone
Concen: 159.680 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

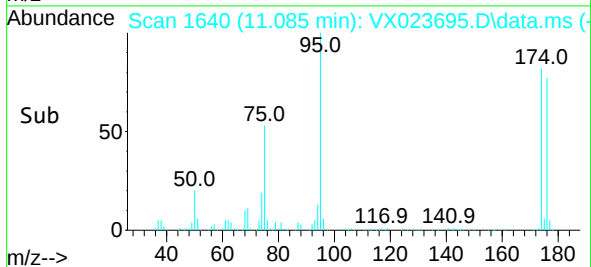
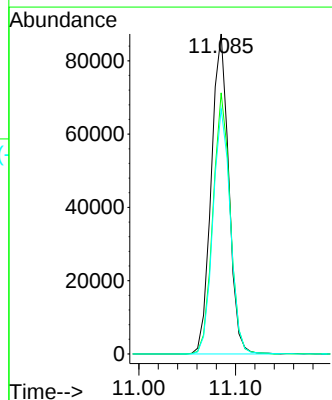
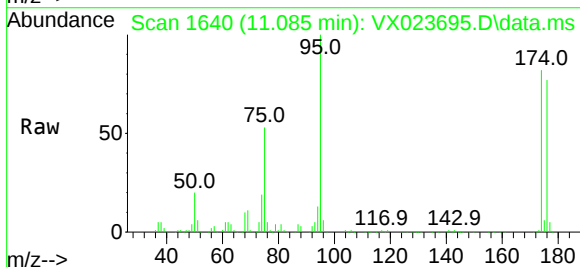
Instrument :
MSVOA_X
ClientSampleId :

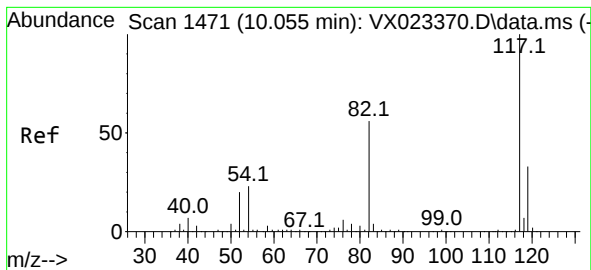
Tgt Ion: 43 Resp: 331498
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 55.475 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion: 95 Resp: 109588
Ion Ratio Lower Upper
95 100
174 80.0 0.0 154.6
176 76.5 0.0 155.8

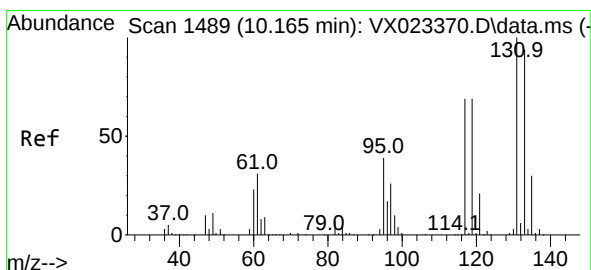
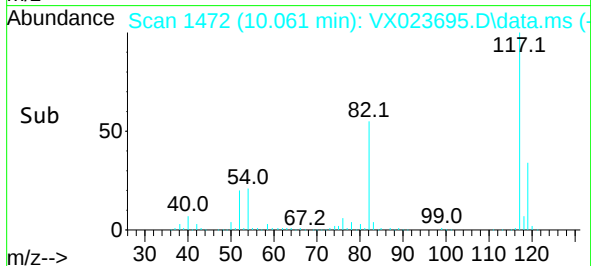
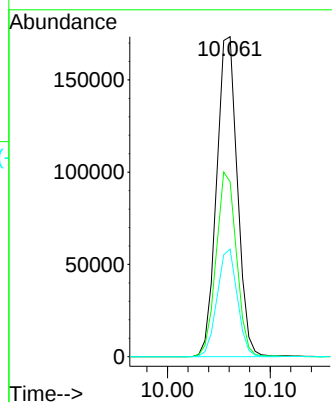
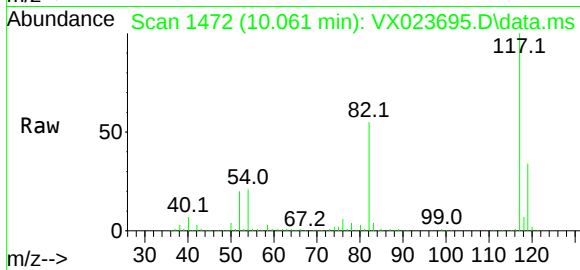




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

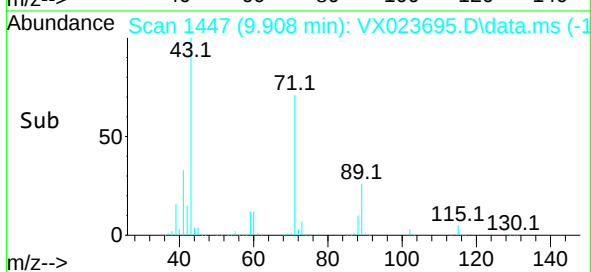
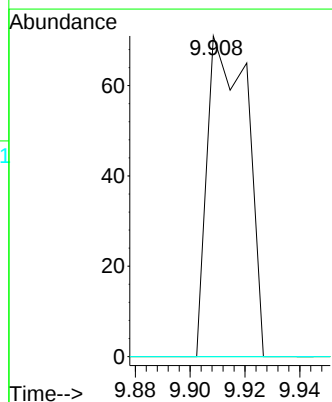
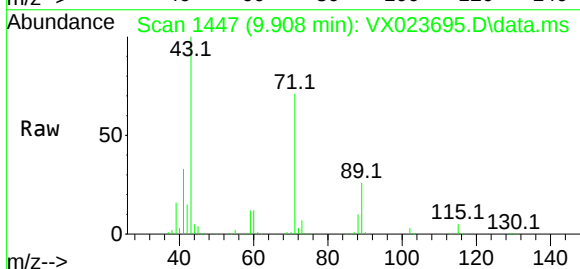
Instrument :
MSVOA_X
ClientSampleId :

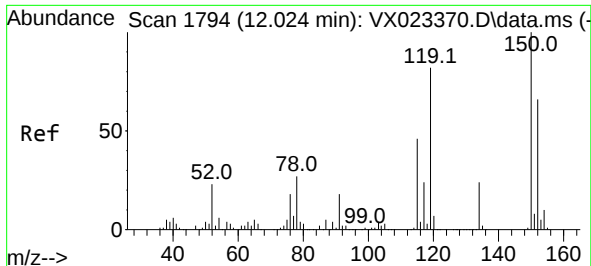
Tgt Ion:117 Resp: 242718
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 33.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.011 ug/l
RT: 9.908 min Scan# 1447
Delta R.T. -0.257 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion:131 Resp: 71
Ion Ratio Lower Upper
131 100
133 0.0 47.7 143.1#
119 0.0 32.1 96.5#

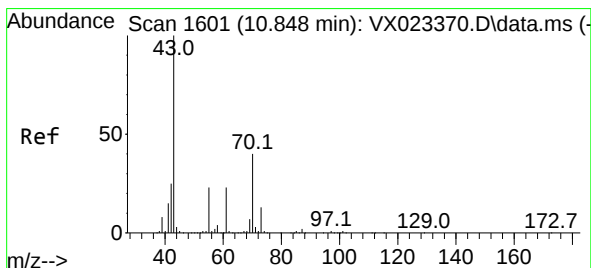
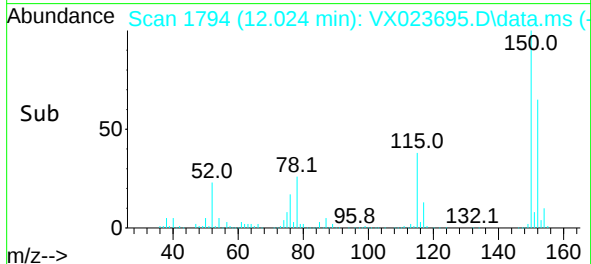
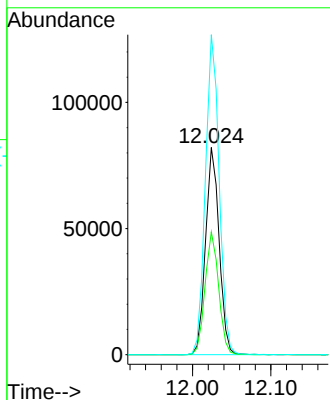
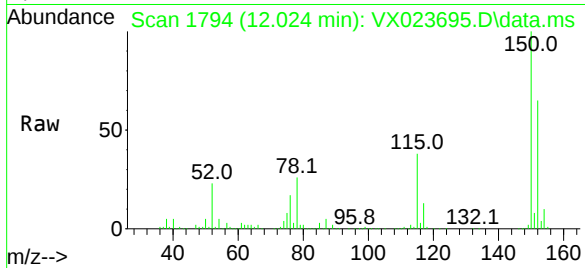




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

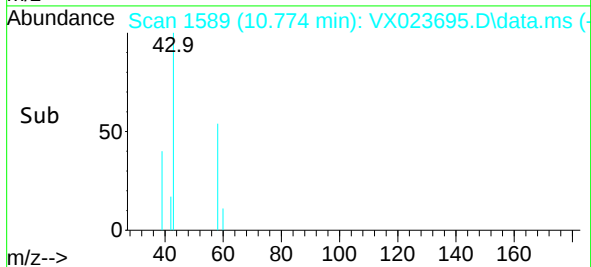
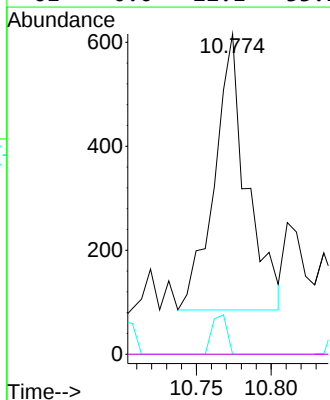
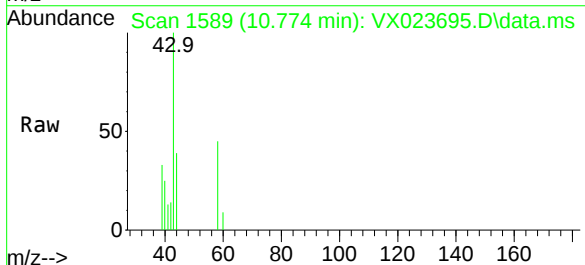
Instrument :
MSVOA_X
ClientSampled :

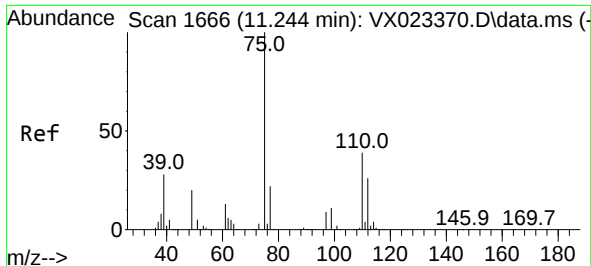
Tgt Ion:152 Resp: 98669
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 156.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 6.7 21.5 32.3#
61 0.0 22.1 33.1#

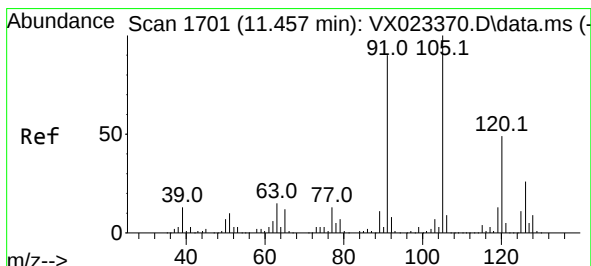
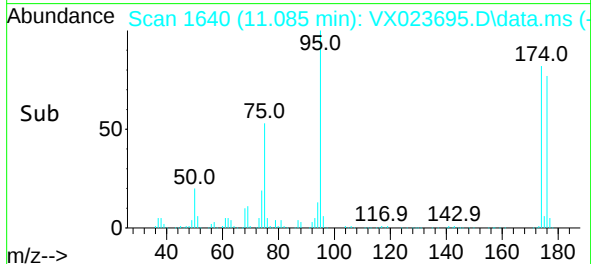
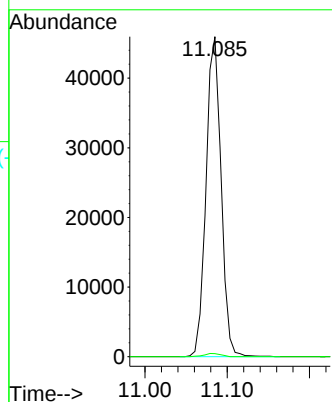
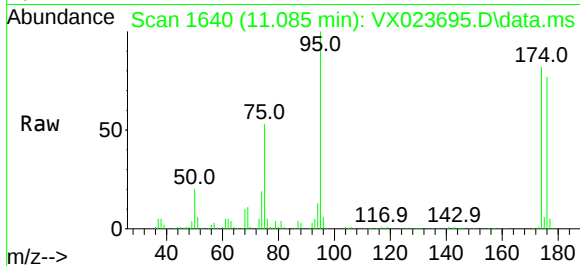




#76
1,2,3-Trichloropropane
Concen: 26.916 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

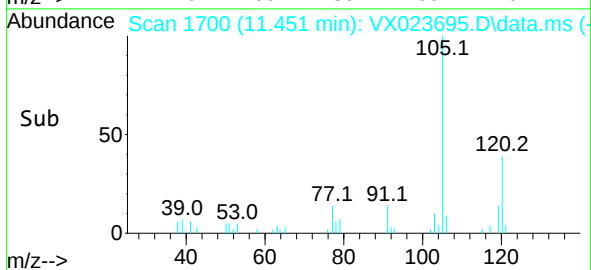
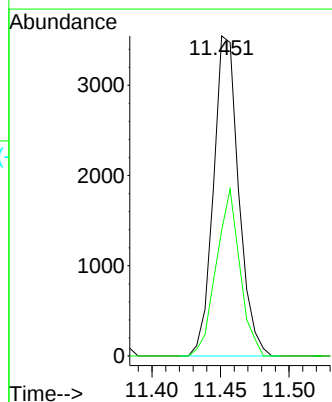
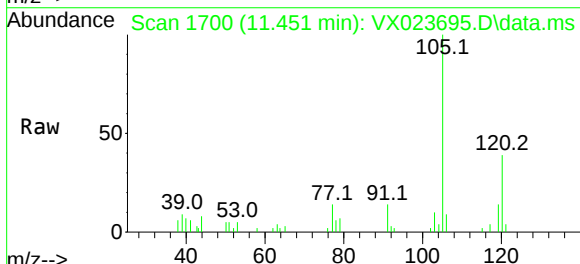
Instrument :
MSVOA_X
ClientSampled :

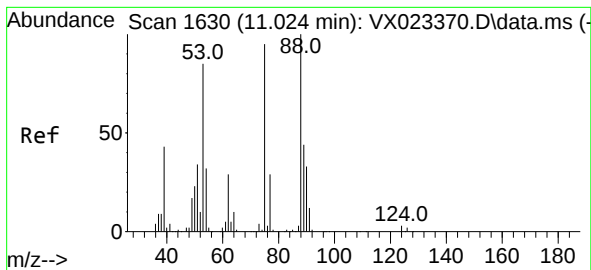
Tgt Ion: 75 Resp: 58442
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.749 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023695.D
Acq: 13 Aug 2021 17:00

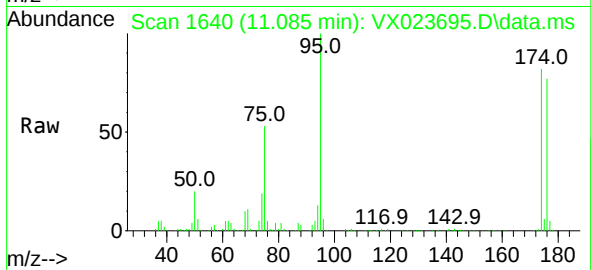
Tgt Ion: 105 Resp: 4543
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.374 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023695.D
 Acq: 13 Aug 2021 17:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 58442
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

