

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023401.D
 Acq On : 23 Jul 2021 02:51
 Operator : JC/MD
 Sample : M3145-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-FD-3

Quant Time: Jul 23 06:13:05 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	171412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	287746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100343	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110033	51.460	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.920%	
35) Dibromofluoromethane	5.397	113	89996	50.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.653	98	336779	50.950	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	11.085	95	107475	47.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.640%	

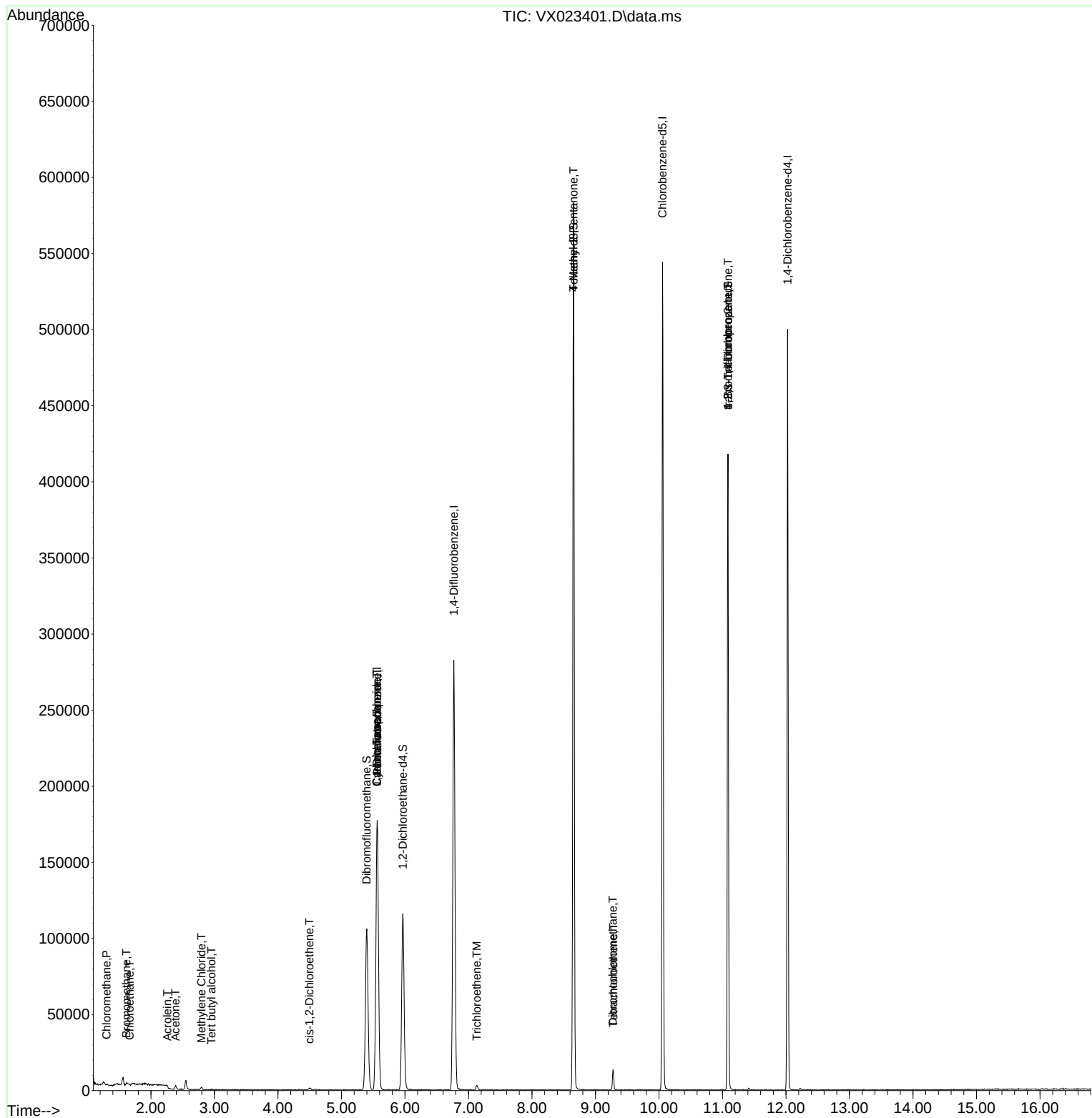
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	444	0.242	ug/l #	81
5) Bromomethane	1.612	94	479	0.434	ug/l #	59
6) Chloroethane	1.666	64	302	0.265	ug/l #	43
11) Tert butyl alcohol	2.953	59	139	0.285	ug/l #	73
13) Acrolein	2.258	56	42	1.532	ug/l #	14
16) Acetone	2.386	43	2431	2.318	ug/l #	88
20) Methylene Chloride	2.794	84	736	0.361	ug/l #	85
27) cis-1,2-Dichloroethene	4.495	96	758	0.365	ug/l	94
31) Cyclohexane	5.556	56	3549	1.120	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	12589	4.836	ug/l #	49
38) Carbon Tetrachloride	5.556	117	16815	6.352	ug/l #	16
44) Trichloroethene	7.129	130	1147	0.541	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	1460	0.469	ug/l #	1
60) Dibromochloromethane	9.275	129	2316	3.020	ug/l #	11
64) Tetrachloroethene	9.281	164	2519	1.285	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	54741	24.791	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54741	66.659	ug/l #	12

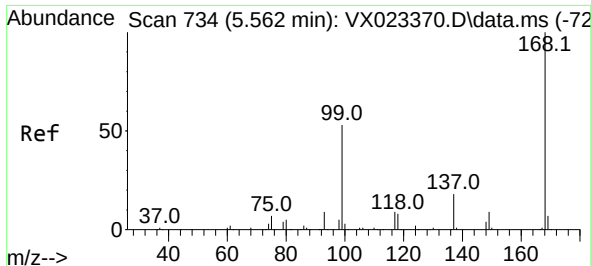
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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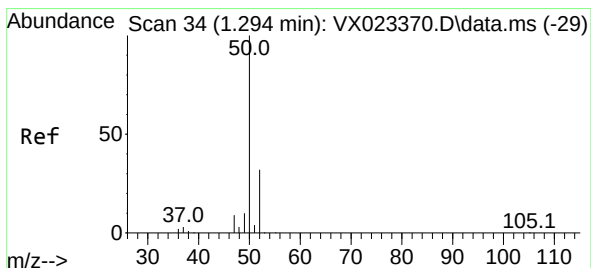
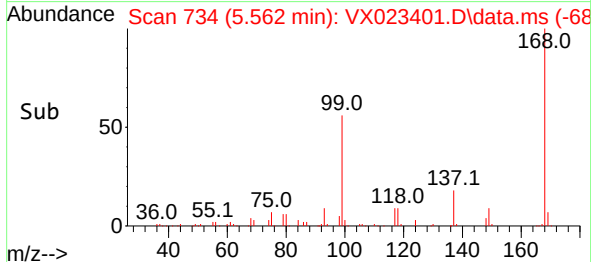
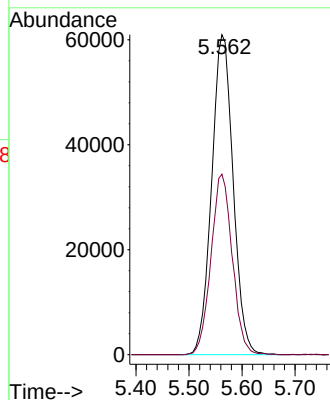
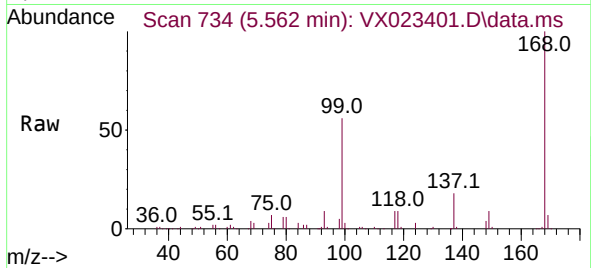




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

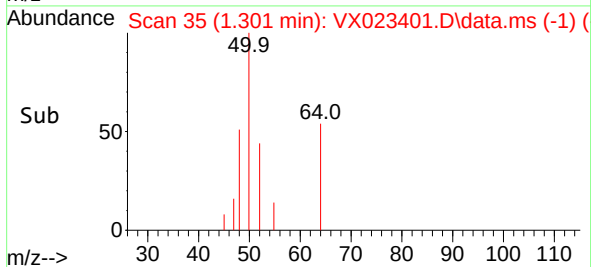
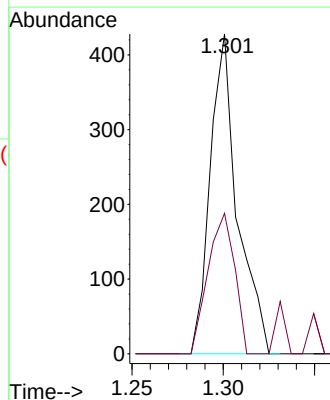
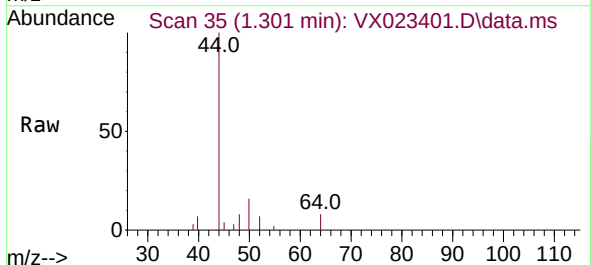
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

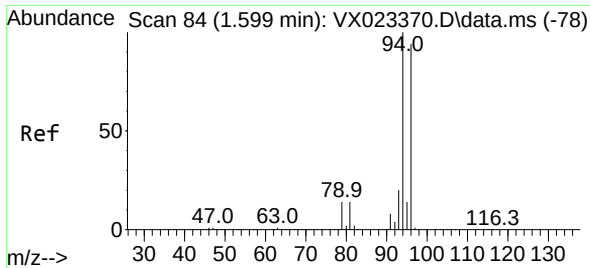
Tgt Ion:168 Resp: 171412
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 50 Resp: 444
Ion Ratio Lower Upper
50 100
52 43.9 26.4 39.6#

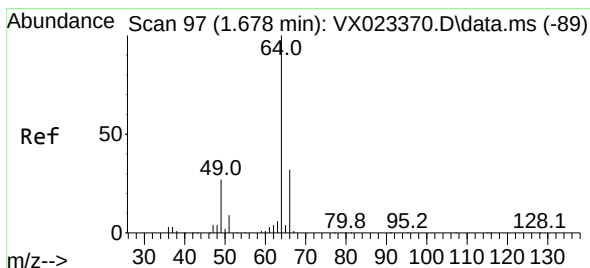
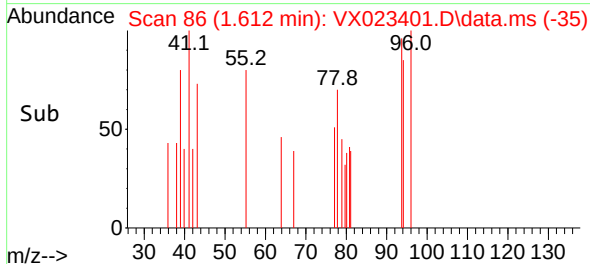
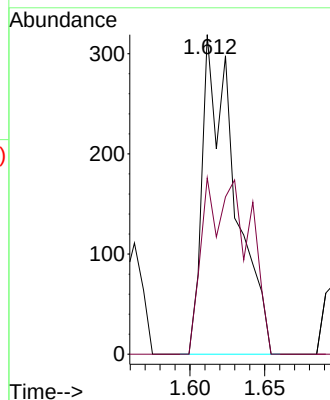
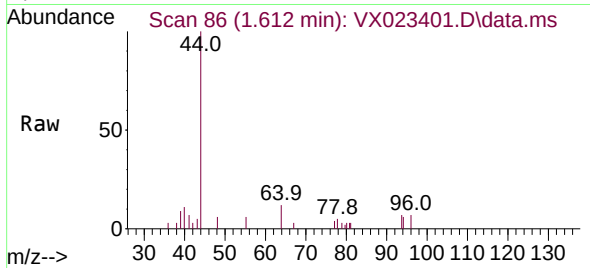




#5
Bromomethane
Concen: 0.434 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

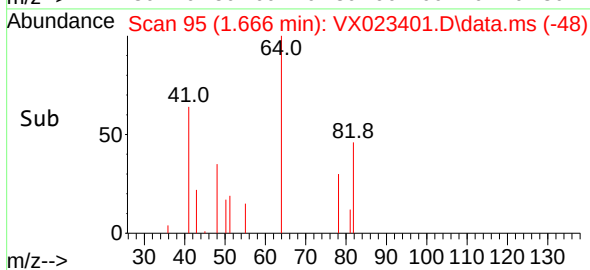
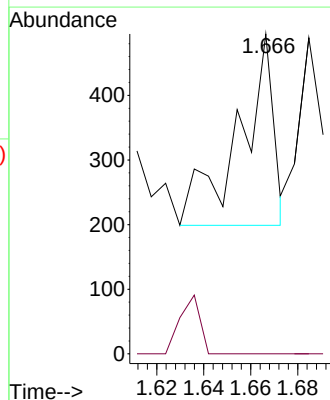
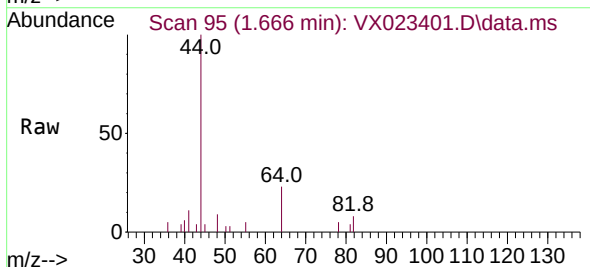
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

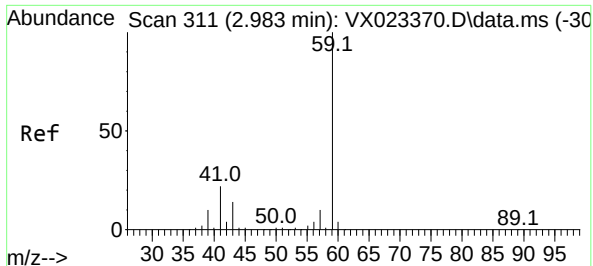
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 55.2 76.4 114.6#



#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 64 Resp: 302
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



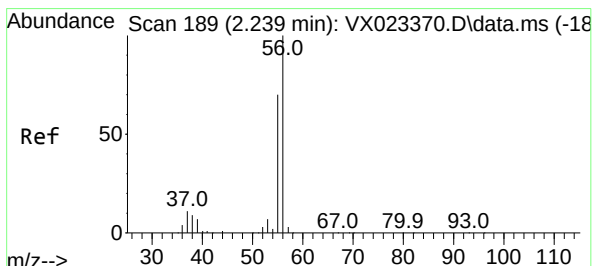
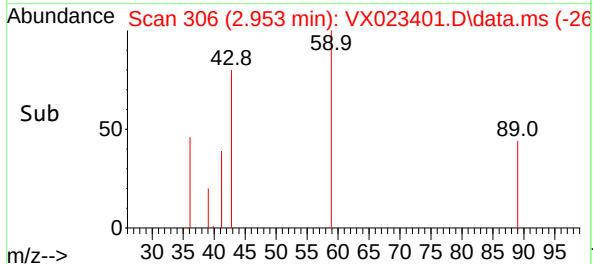
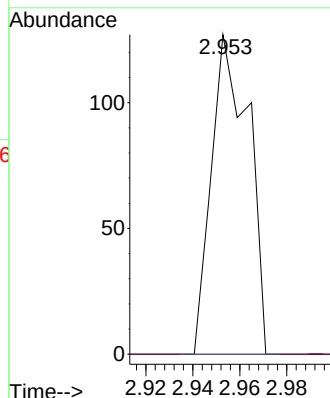
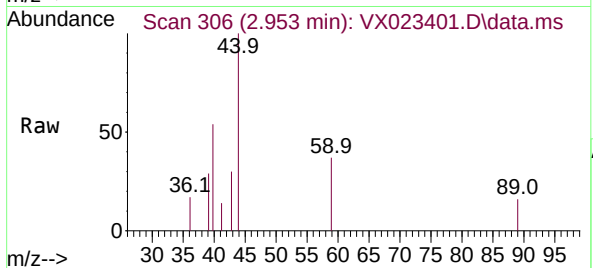


#11

Tert butyl alcohol
Concen: 0.285 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

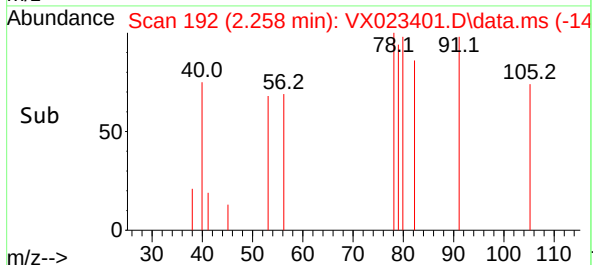
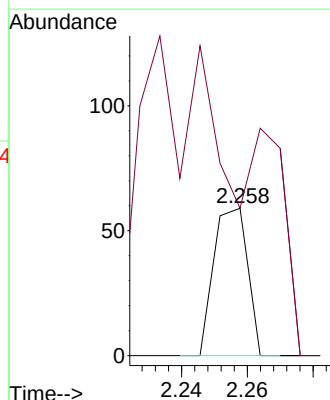
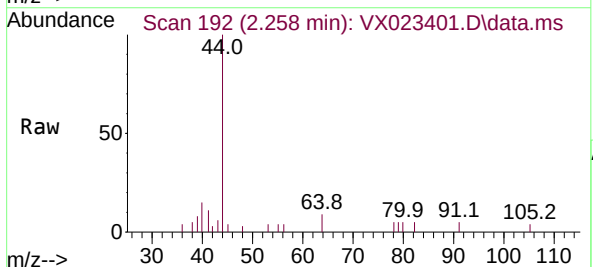
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

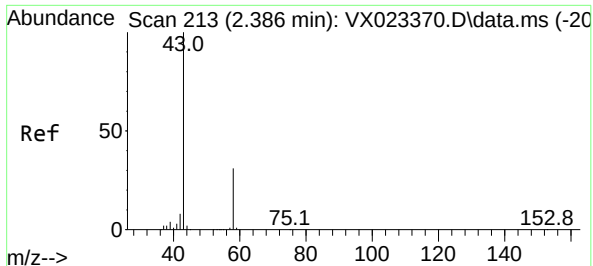


#13

Acrolein
Concen: 1.532 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

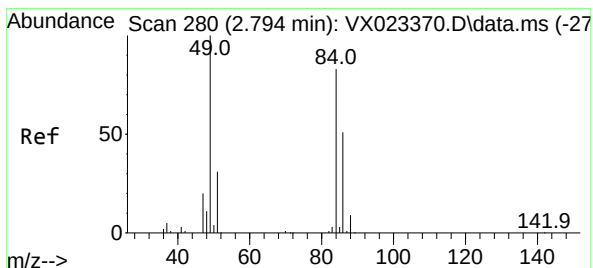
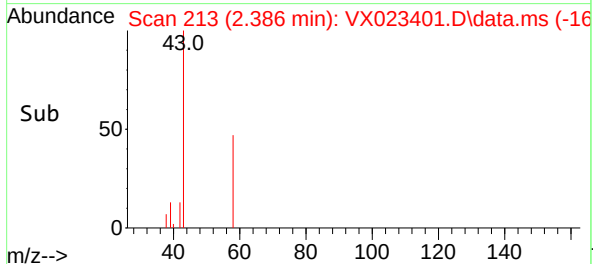
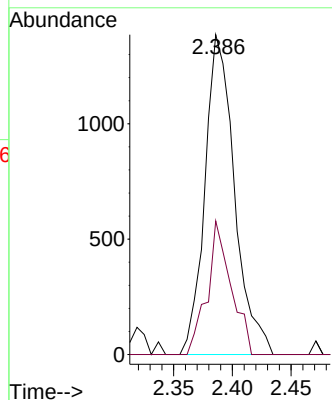
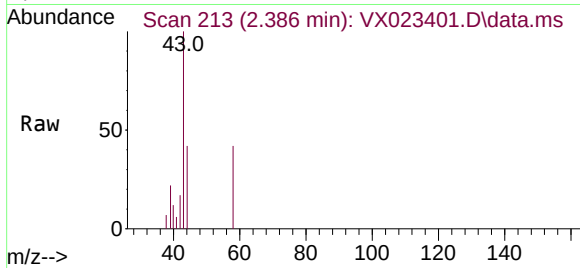




#16
Acetone
Concen: 2.318 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

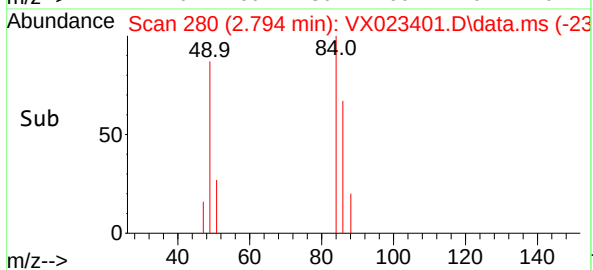
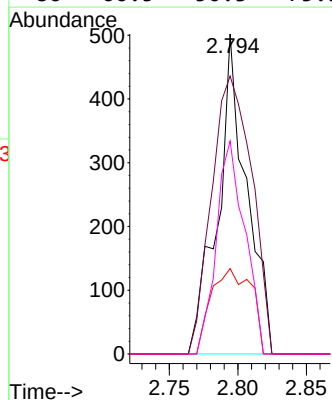
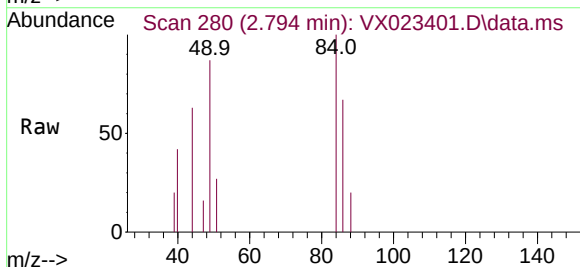
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

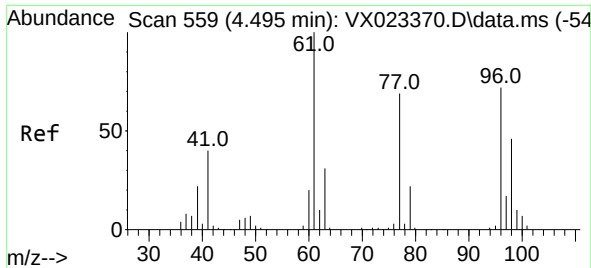
Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
58 41.8 27.8 41.8#



#20
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 84 Resp: 736
Ion Ratio Lower Upper
84 100
49 86.9 88.6 132.8#
51 26.7 27.0 40.6#
86 66.5 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.365 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX023401.D

Acq: 23 Jul 2021 02:51

Tgt Ion: 96 Resp: 758

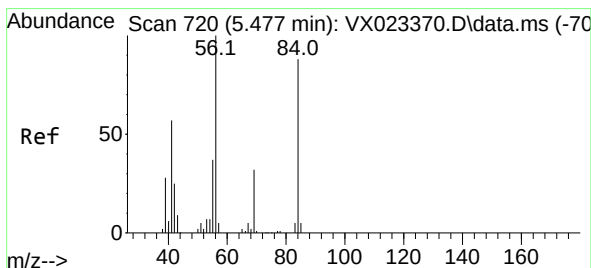
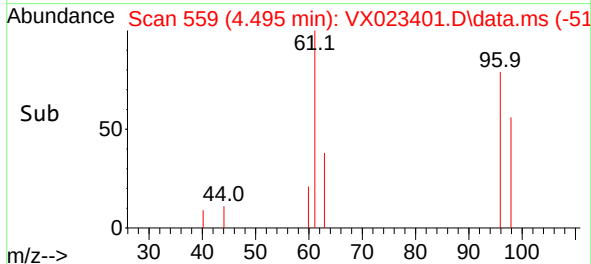
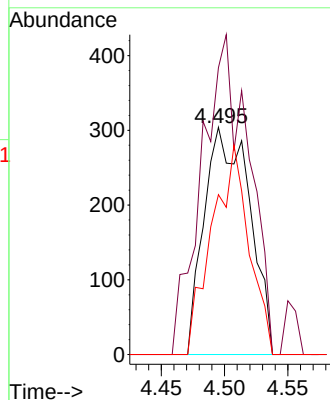
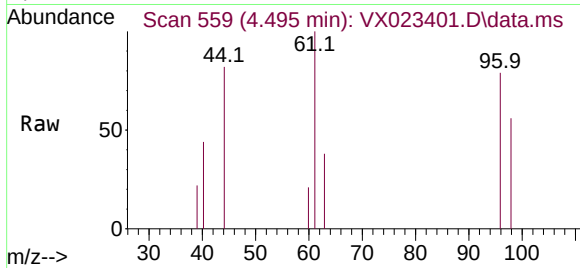
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	285.6
98	75.1	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

152140-FD-3



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 5.556 min Scan# 733

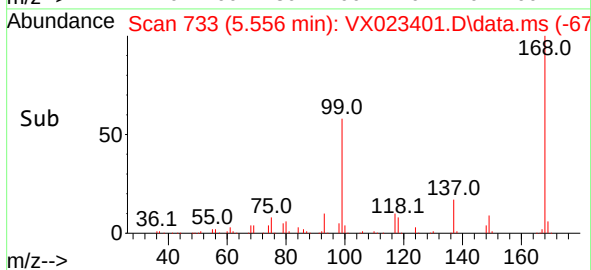
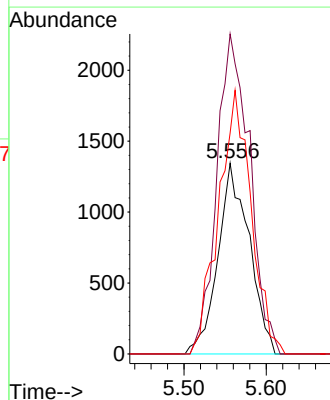
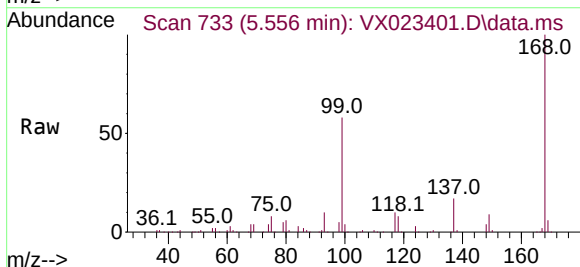
Delta R.T. 0.079 min

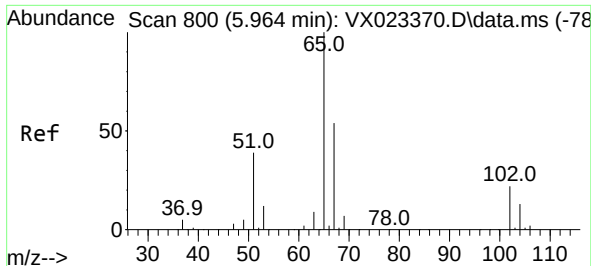
Lab File: VX023401.D

Acq: 23 Jul 2021 02:51

Tgt Ion: 56 Resp: 3549

Ion	Ratio	Lower	Upper
56	100		
69	167.9	25.3	37.9#
84	115.9	71.4	107.0#

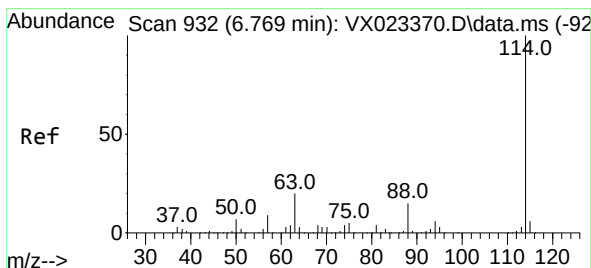
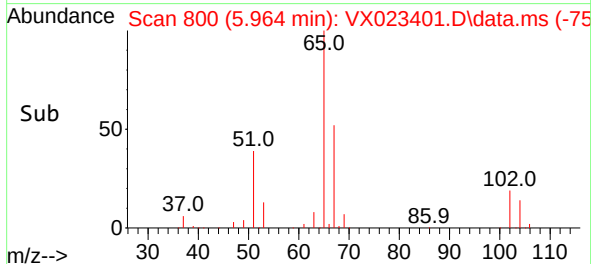
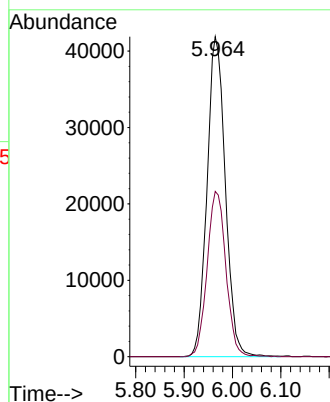
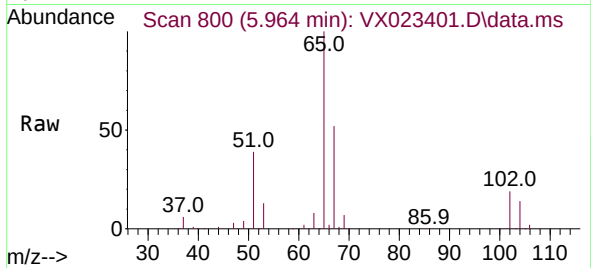




#33
 1,2-Dichloroethane-d4
 Concen: 51.460 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023401.D
 Acq: 23 Jul 2021 02:51

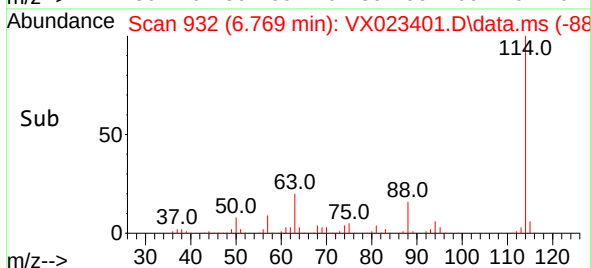
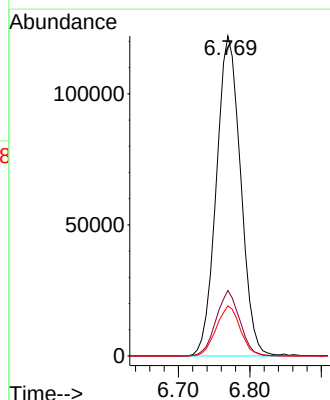
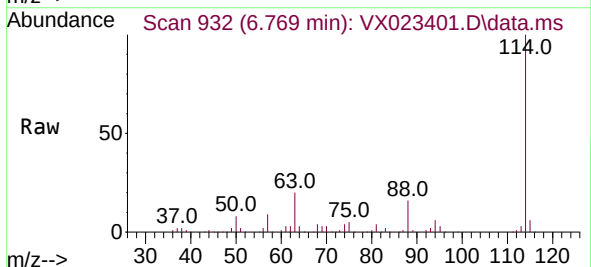
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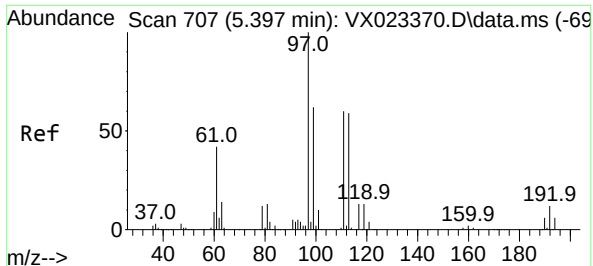
Tgt Ion: 65 Resp: 110033
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023401.D
 Acq: 23 Jul 2021 02:51

Tgt Ion: 114 Resp: 287746
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.022 ug/l

RT: 5.397 min Scan# 707

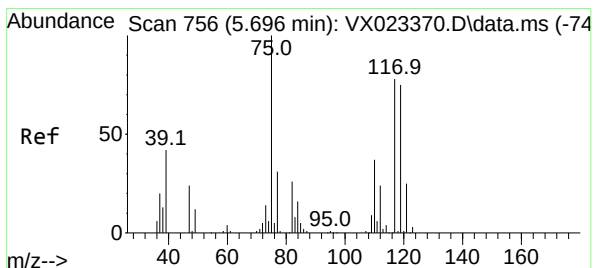
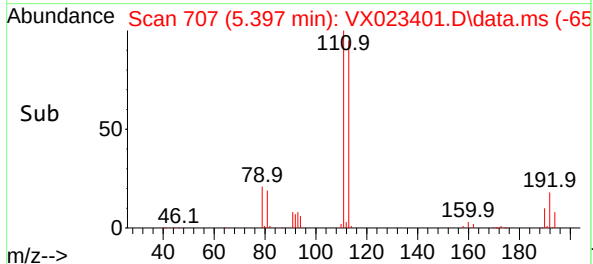
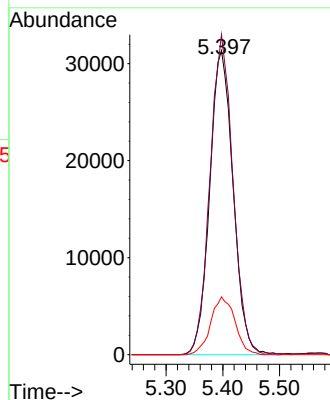
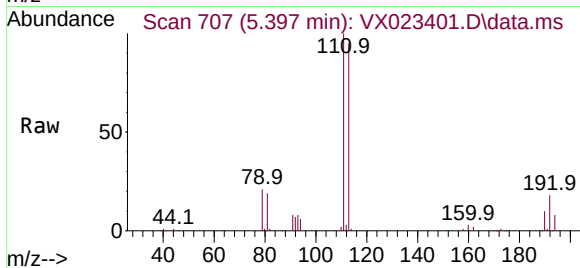
Delta R.T. 0.000 min

Lab File: VX023401.D

Acq: 23 Jul 2021 02:51

Tgt Ion:	113	Resp:	89996
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	19.6	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3



#36

1,1-Dichloropropene

Concen: 4.836 ug/l

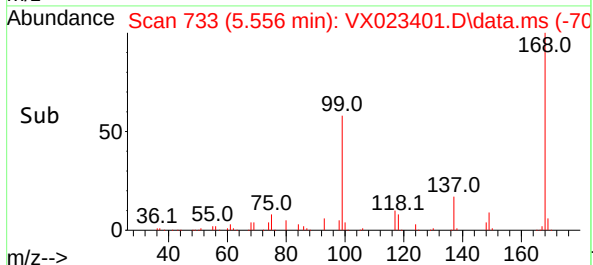
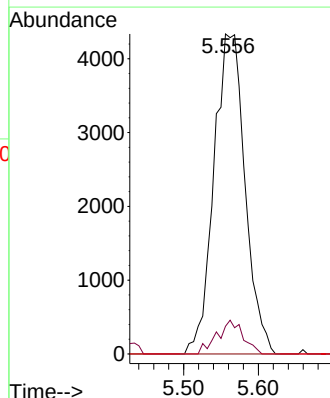
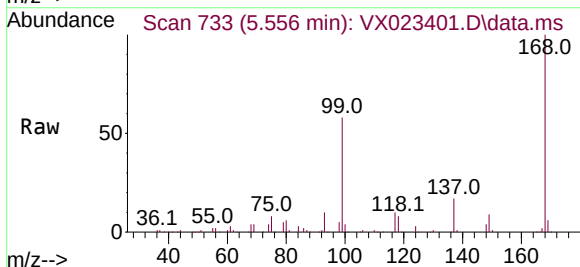
RT: 5.556 min Scan# 733

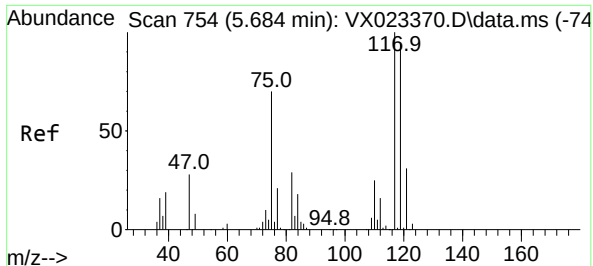
Delta R.T. -0.140 min

Lab File: VX023401.D

Acq: 23 Jul 2021 02:51

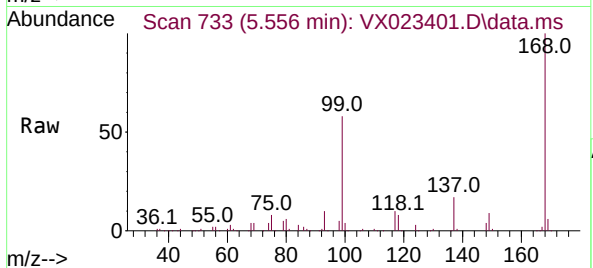
Tgt Ion:	75	Resp:	12589
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	25.3	37.9#



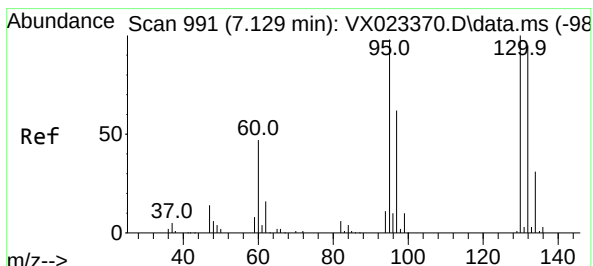
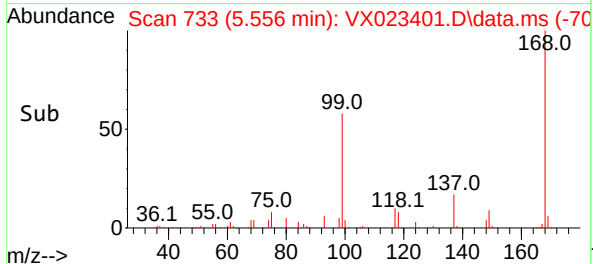
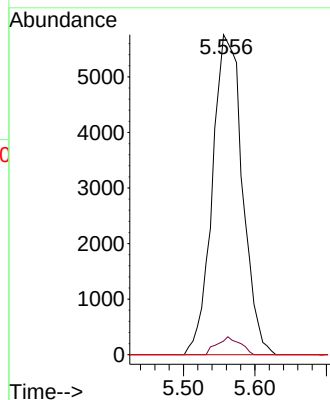


#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

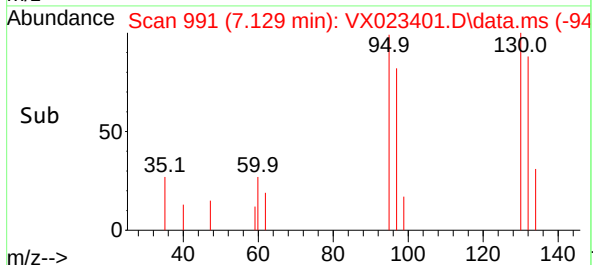
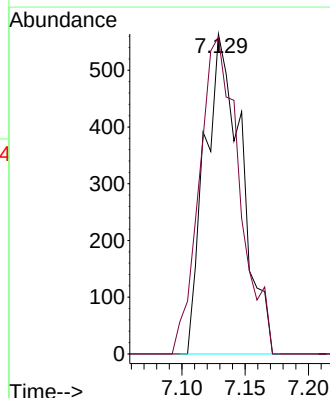
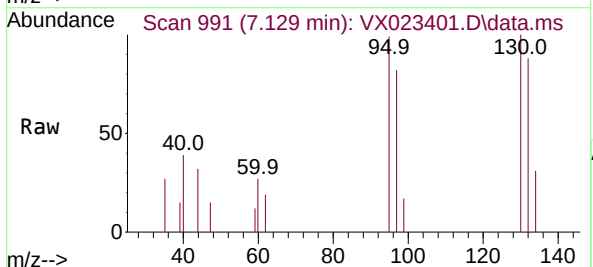


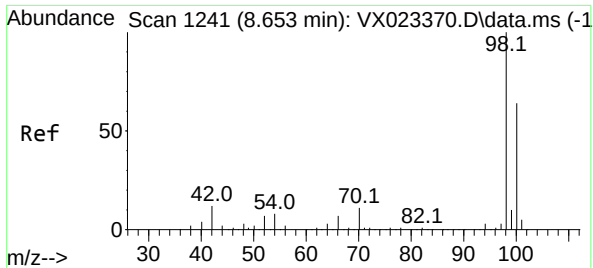
Tgt Ion:117 Resp: 16815
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.541 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion:130 Resp: 1147
Ion Ratio Lower Upper
130 100
95 99.1 0.0 198.0

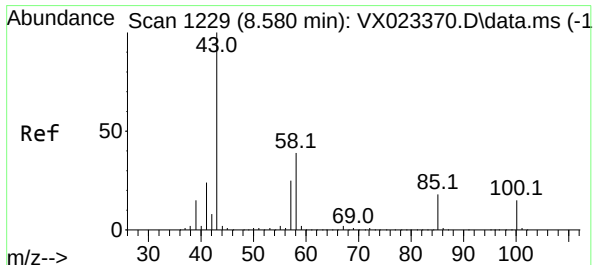
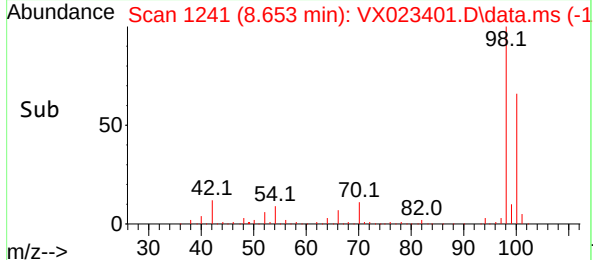
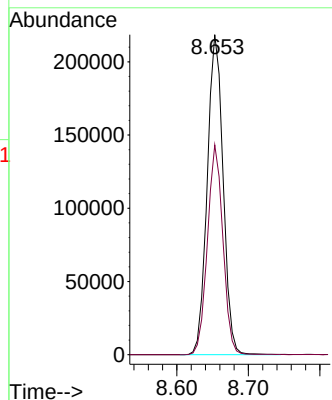
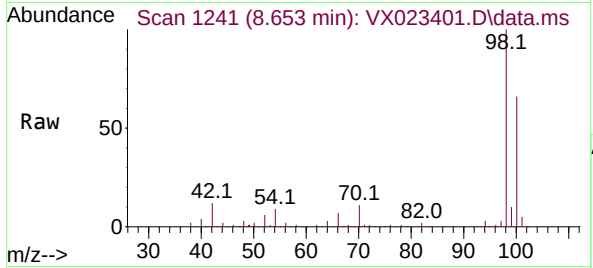




#50
Toluene-d8
Concen: 50.950 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

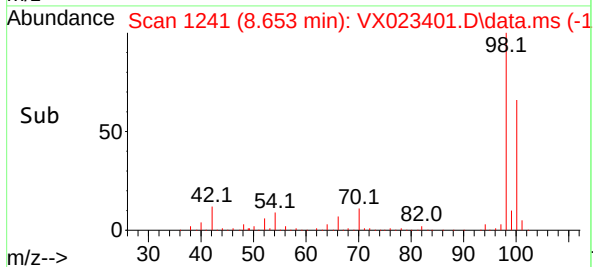
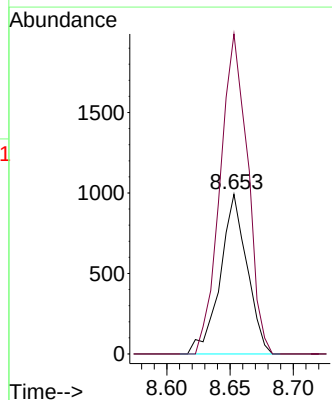
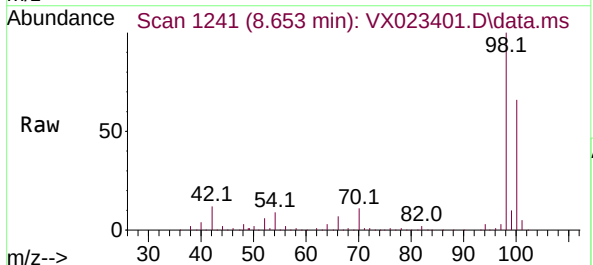
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

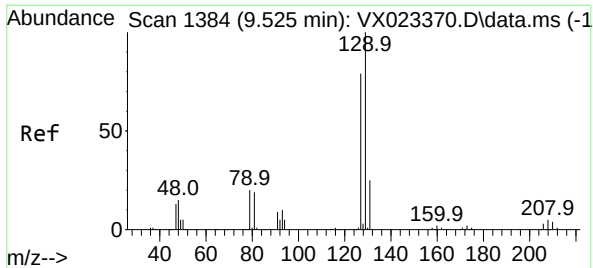
Tgt Ion: 98 Resp: 336779
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 205.7 35.4 53.0#

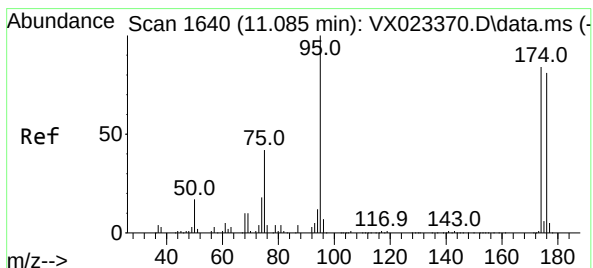
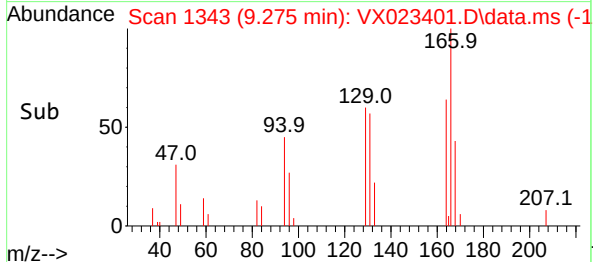
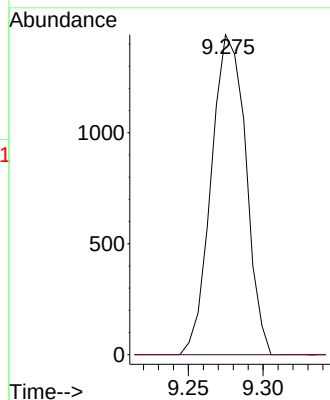
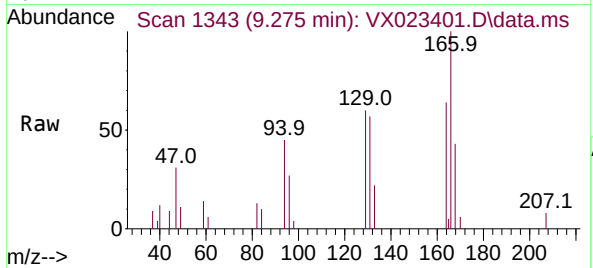




#60
Dibromochloromethane
Concen: 3.020 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

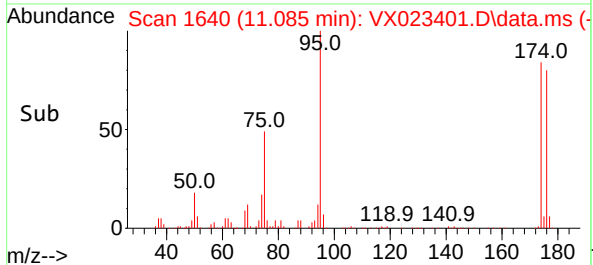
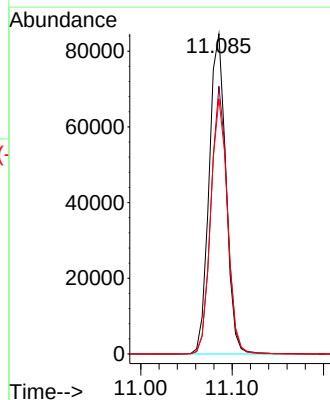
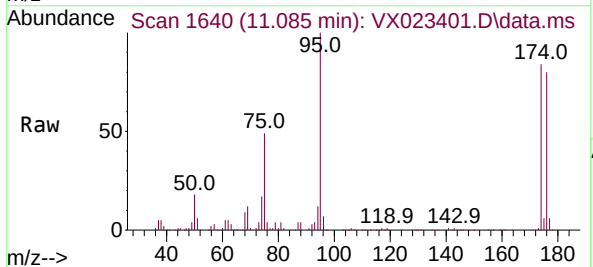
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

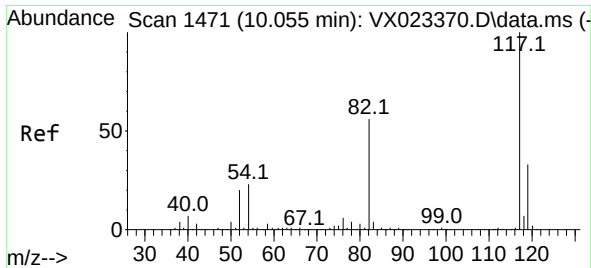
Tgt Ion:129 Resp: 2316
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.816 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion: 95 Resp: 107475
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 79.8 0.0 155.8

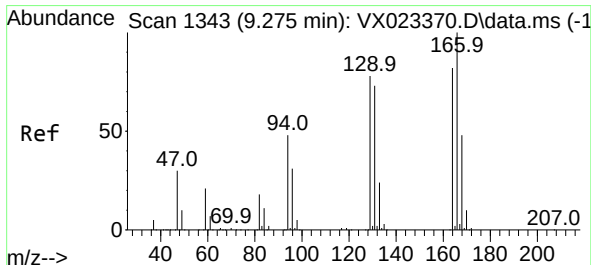
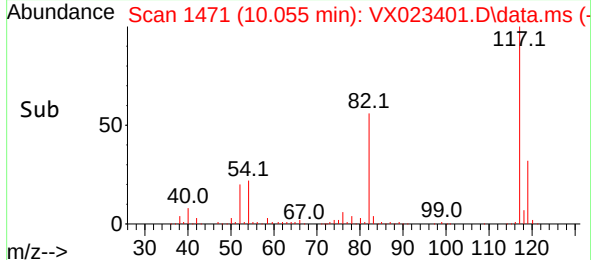
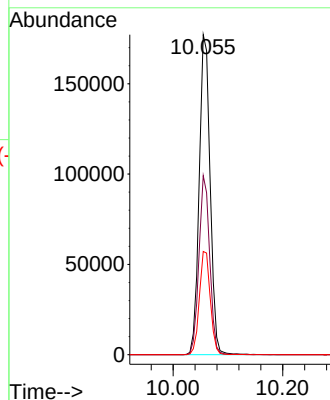
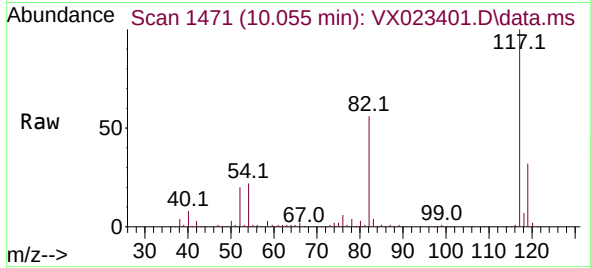




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

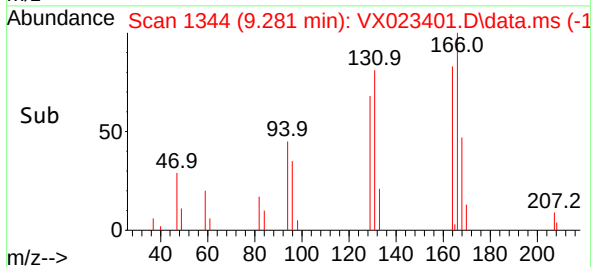
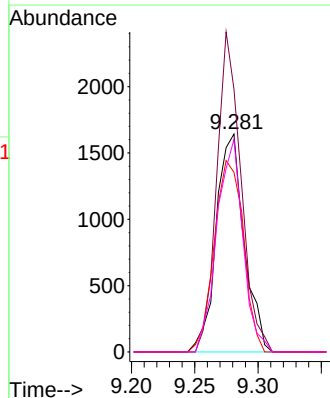
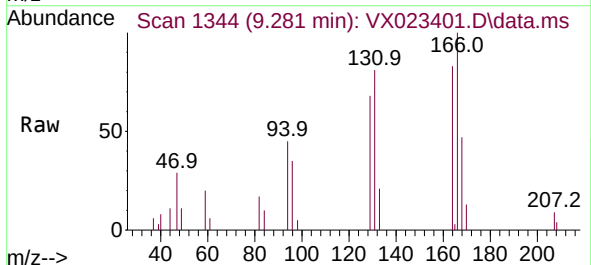
Instrument :
MSVOA_X
ClientSampleId :
152140-FD-3

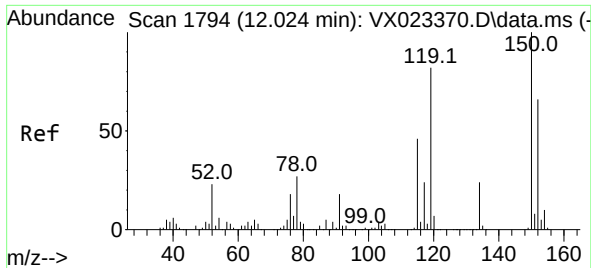
Tgt Ion:117 Resp: 246349
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 1.285 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023401.D
Acq: 23 Jul 2021 02:51

Tgt Ion:164 Resp: 2519
Ion Ratio Lower Upper
164 100
166 120.6 103.4 155.2
129 82.4 70.8 106.2
131 97.5 72.5 108.7

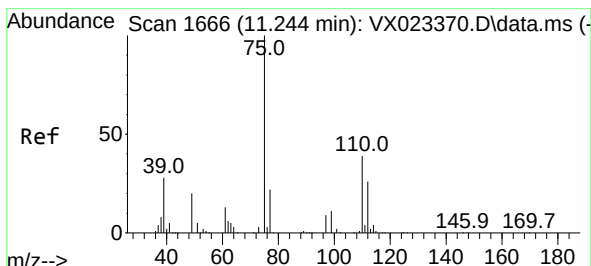
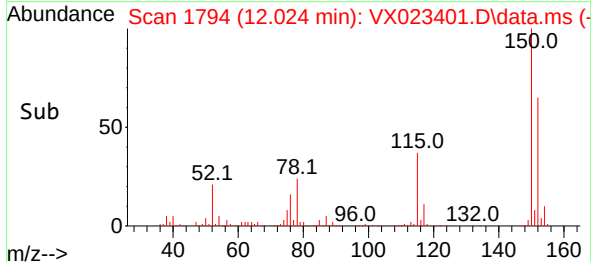
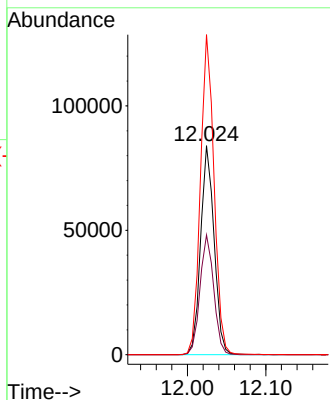
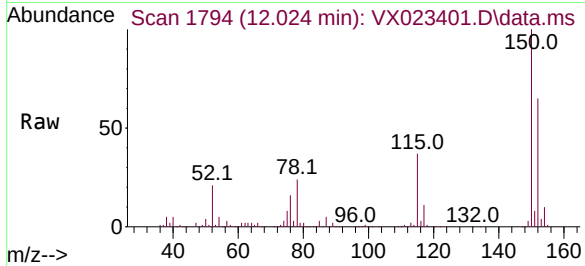




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023401.D
 Acq: 23 Jul 2021 02:51

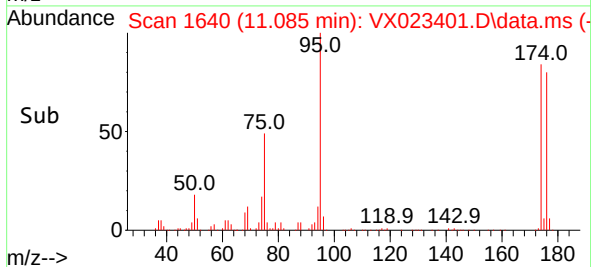
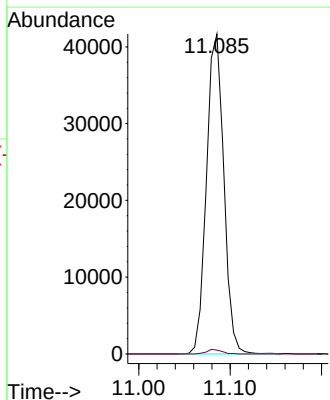
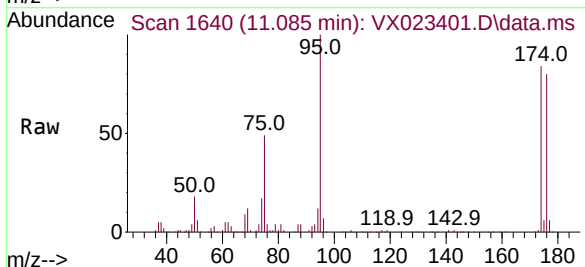
Instrument :
 MSVOA_X
 ClientSampleId :
 152140-FD-3

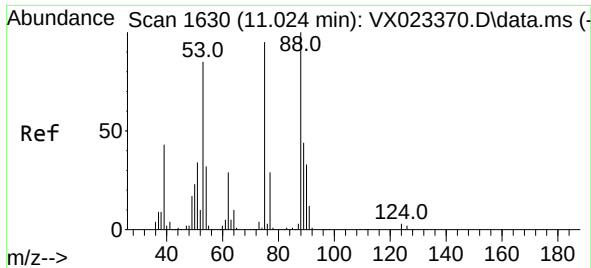
Tgt Ion:152 Resp: 100343
 Ion Ratio Lower Upper
 152 100
 115 58.4 41.1 123.3
 150 154.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.791 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023401.D
 Acq: 23 Jul 2021 02:51

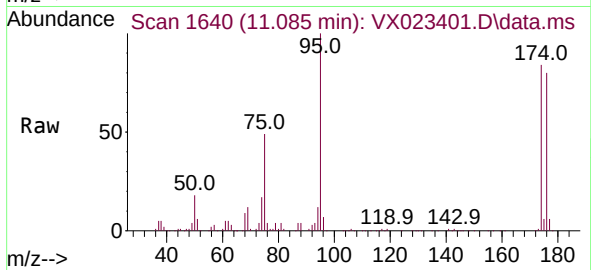
Tgt Ion: 75 Resp: 54741
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.659 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023401.D
 Acq: 23 Jul 2021 02:51

Instrument :
 MSVOA_X
 ClientSampleId :
 152140-FD-3



Tgt Ion: 75 Resp: 54741
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

