

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021558.D
 Acq On : 27 Mar 2021 03:06
 Operator : JC/MD
 Sample : M1787-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 04:36:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

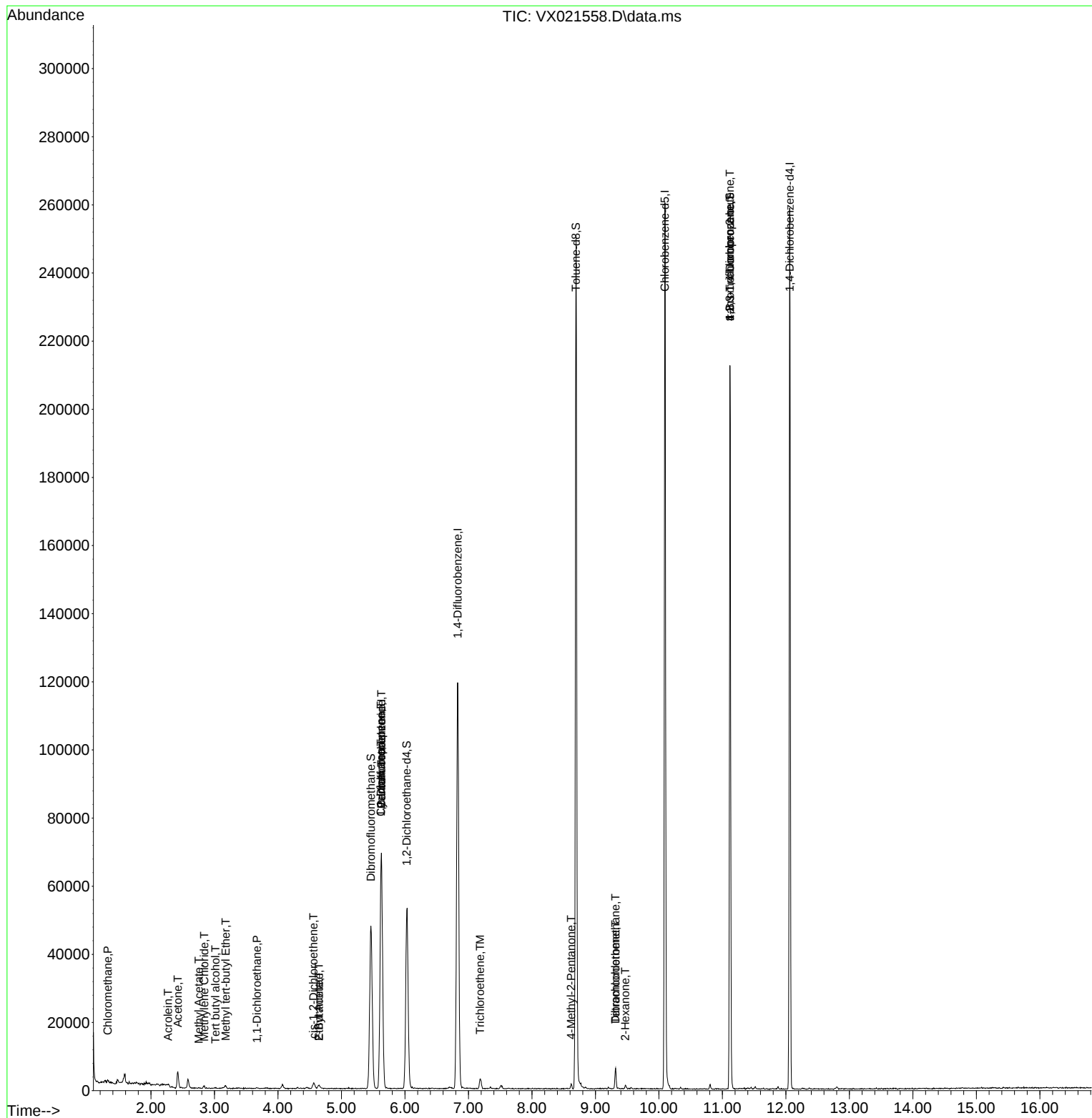
Internal Standards						
1) Pentafluorobenzene	5.629	168	59393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48511	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52659	53.29	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.58%			
35) Dibromofluoromethane	5.464	113	38952	49.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.10%			
50) Toluene-d8	8.694	98	140367	50.11	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.22%			
62) 4-Bromofluorobenzene	11.118	95	54154	49.72	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.44%			
Target Compounds						Qvalue
3) Chloromethane	1.316	50	1353	1.84	ug/l	94
11) Tert butyl alcohol	3.017	59	168	1.03	ug/l #	73
13) Acrolein	2.270	56	94	5.42	ug/l #	76
16) Acetone	2.422	43	5000	13.38	ug/l	92
18) Methyl Acetate	2.752	43	285	0.26	ug/l #	47
19) Methyl tert-butyl Ether	3.176	73	761	0.34	ug/l #	55
20) Methylene Chloride	2.840	84	282	0.39	ug/l #	83
24) 1,1-Dichloroethane	3.670	63	290	0.23	ug/l #	81
25) 2-Butanone	4.646	43	1672	2.95	ug/l #	82
27) cis-1,2-Dichloroethene	4.558	96	936	1.23	ug/l	92
31) Cyclohexane	5.623	56	1724	1.59	ug/l #	41
36) 1,1-Dichloropropene	5.623	75	5574	5.14	ug/l #	48
37) Ethyl Acetate	4.646	43	1672	1.33	ug/l #	64
38) Carbon Tetrachloride	5.629	117	6675	5.73	ug/l #	16
44) Trichloroethene	7.182	130	1025	1.26	ug/l	89
51) 4-Methyl-2-Pentanone	8.617	43	752	0.60	ug/l #	74
59) 2-Hexanone	9.470	43	715	0.76	ug/l	80
60) Dibromochloromethane	9.318	129	1096	1.22	ug/l #	11
64) Tetrachloroethene	9.318	164	979	1.35	ug/l #	80
76) 1,2,3-Trichloropropane	11.118	75	30054	26.61	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30054	81.06	ug/l #	12

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

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QLast Update : Wed Mar 24 12:25:26 2021
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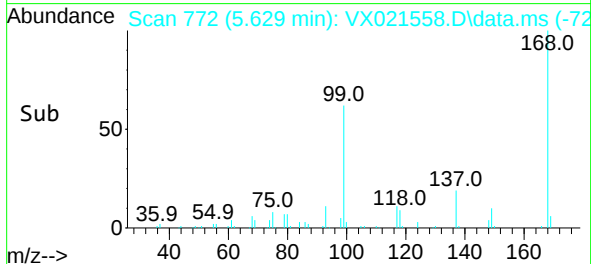
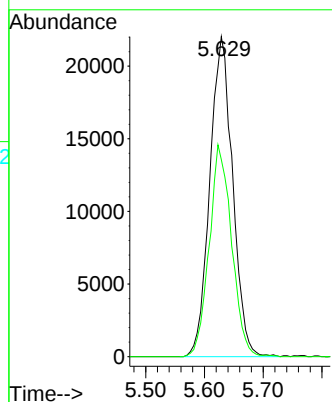
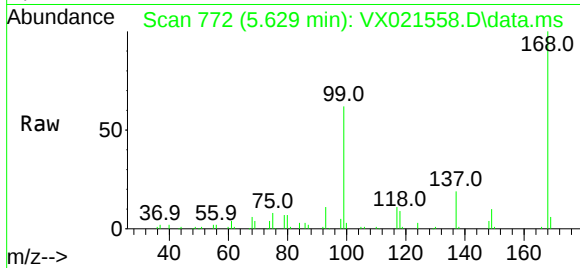




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

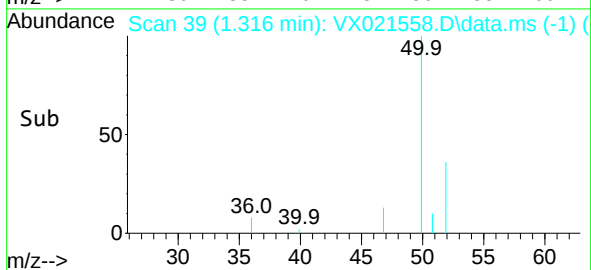
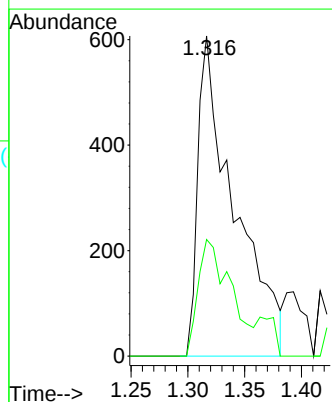
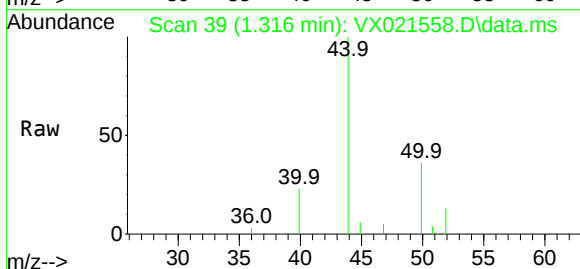
Instrument :
MSVOA_X
ClientSampleId :

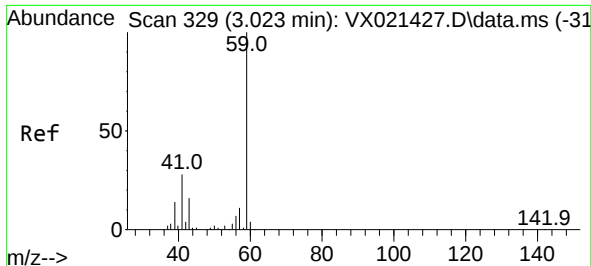
Tgt Ion:168 Resp: 59393
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#3
Chloromethane
Concen: 1.84 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 50 Resp: 1353
Ion Ratio Lower Upper
50 100
52 36.4 26.4 39.6

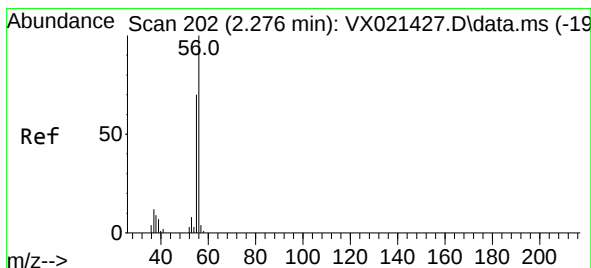
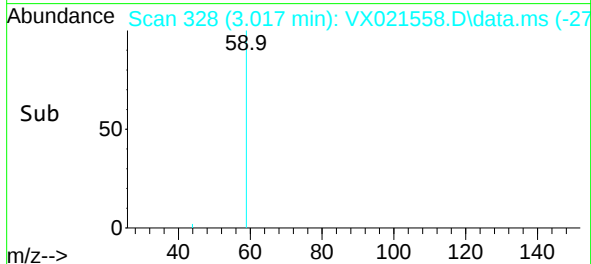
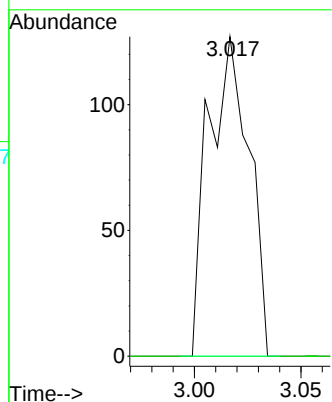
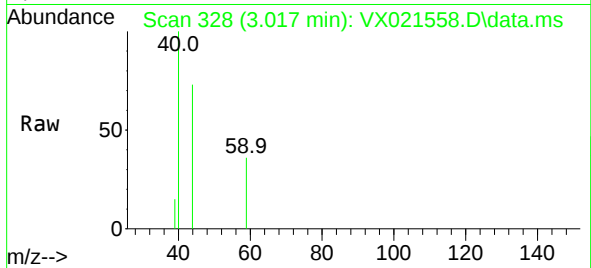




#11
Tert butyl alcohol
Concen: 1.03 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

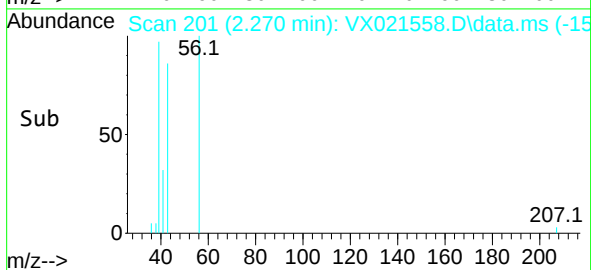
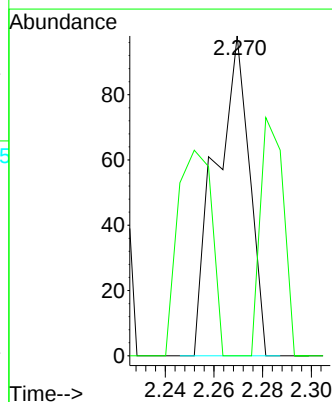
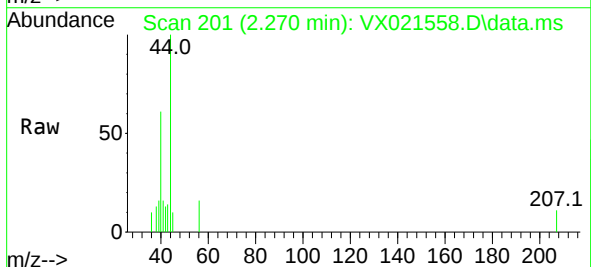
Instrument :
MSVOA_X
ClientSampled :

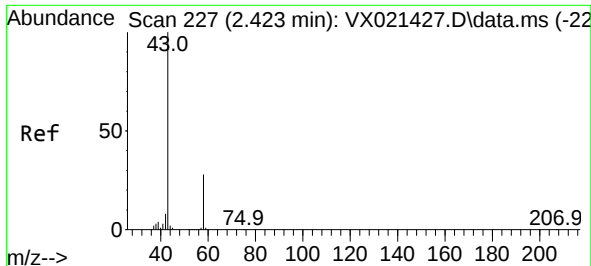
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 5.42 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 51.1 56.4 84.6#

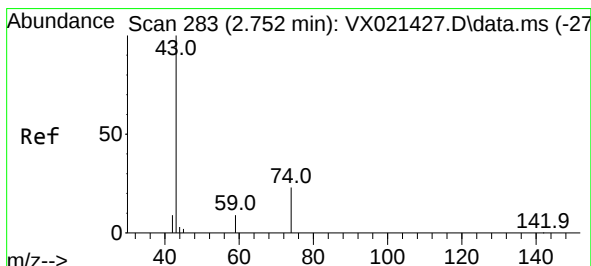
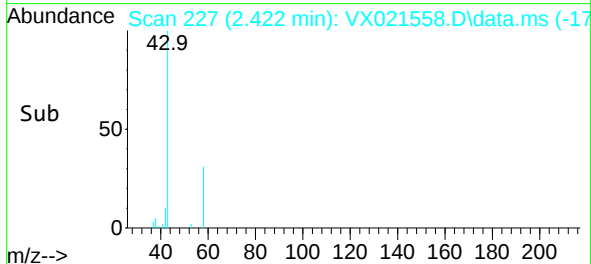
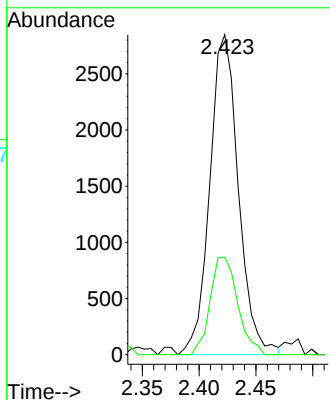
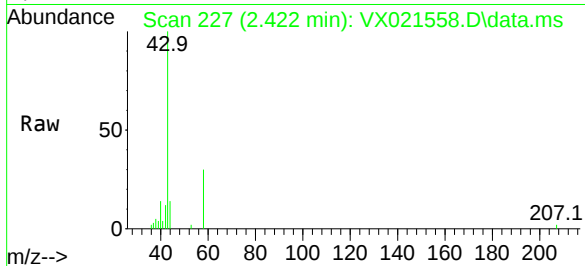




#16
Acetone
Concen: 13.38 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

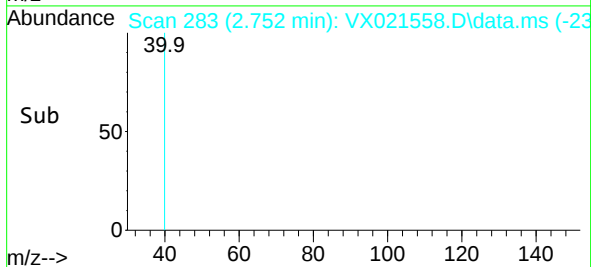
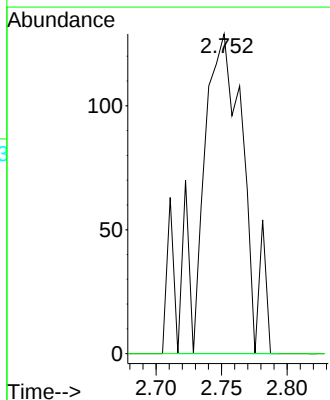
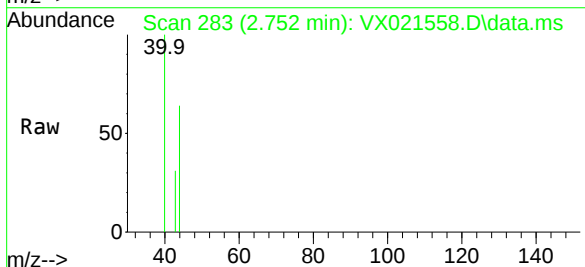
Instrument :
MSVOA_X
ClientSampled :

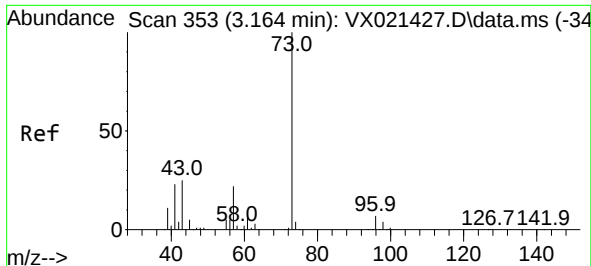
Tgt Ion: 43 Resp: 5000
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#19

Methyl tert-butyl Ether

Concen: 0.34 ug/l

RT: 3.176 min Scan# 355

Delta R.T. 0.012 min

Lab File: VX021558.D

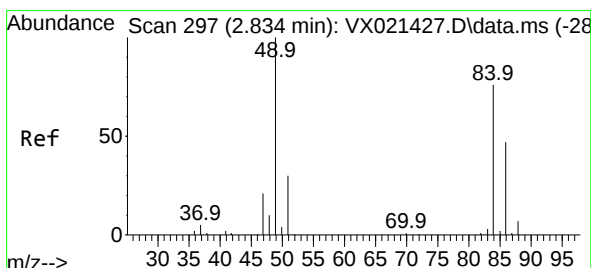
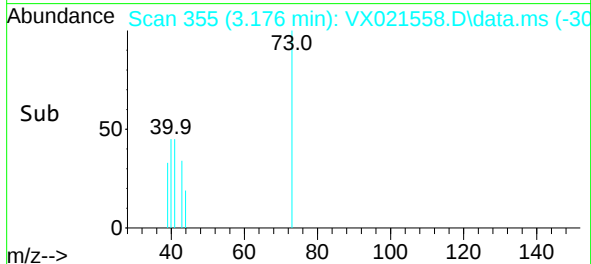
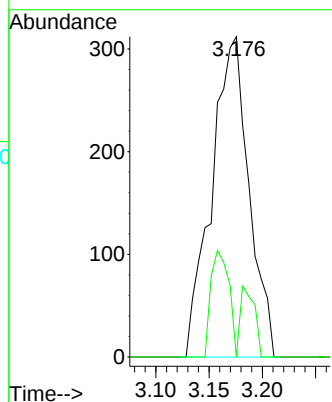
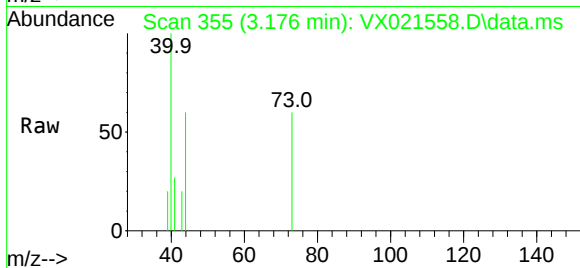
Acq: 27 Mar 2021 03:06

Tgt Ion: 73 Resp: 761

Ion Ratio Lower Upper

73 100

57 0.0 17.1 25.7#



#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021558.D

Acq: 27 Mar 2021 03:06

Tgt Ion: 84 Resp: 282

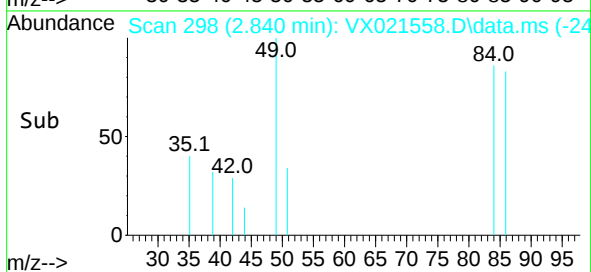
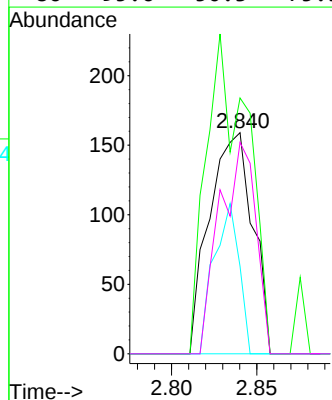
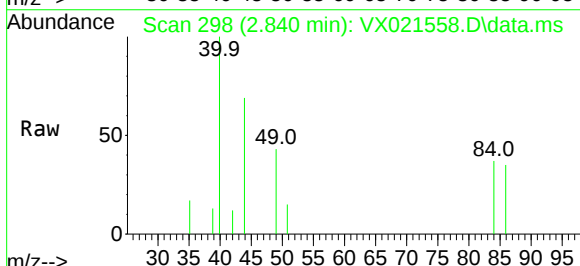
Ion Ratio Lower Upper

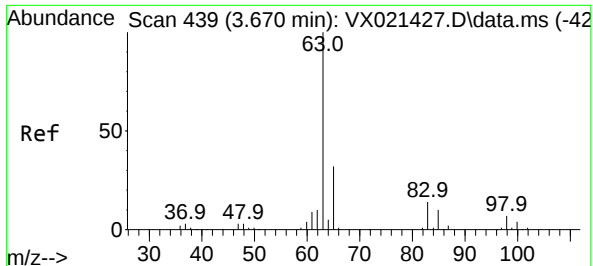
84 100

49 115.7 88.6 132.8

51 39.6 27.0 40.6

86 95.6 50.3 75.5#

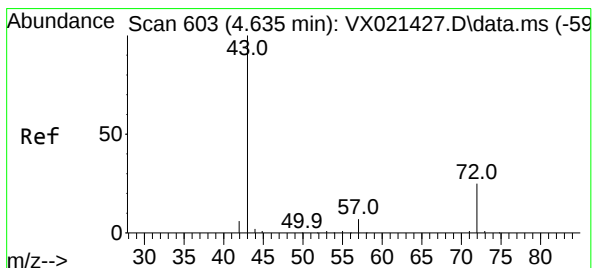
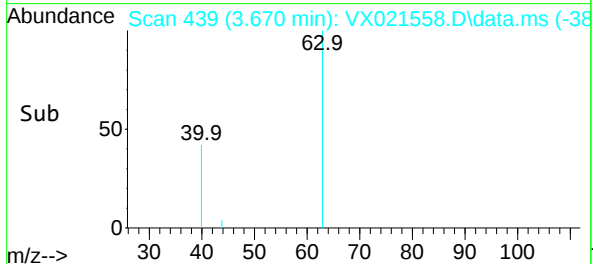
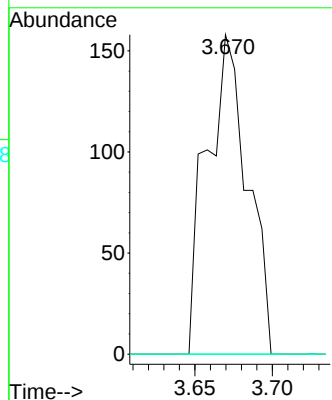
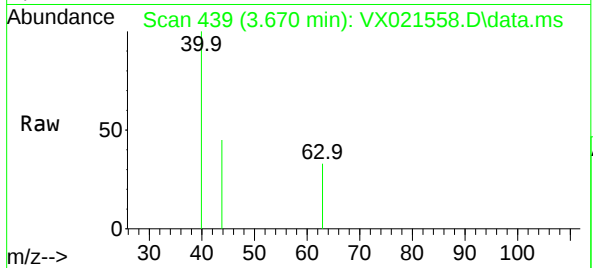




#24
1,1-Dichloroethane
Concen: 0.23 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

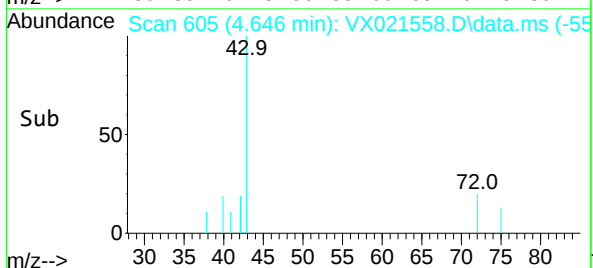
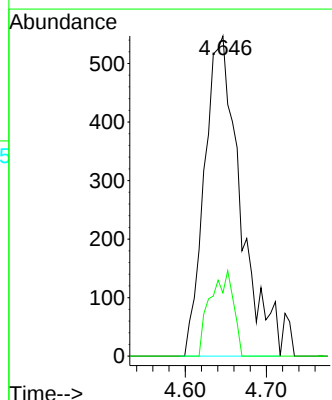
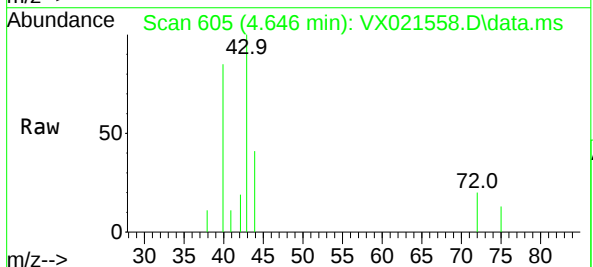
Instrument :
MSVOA_X
ClientSampled :

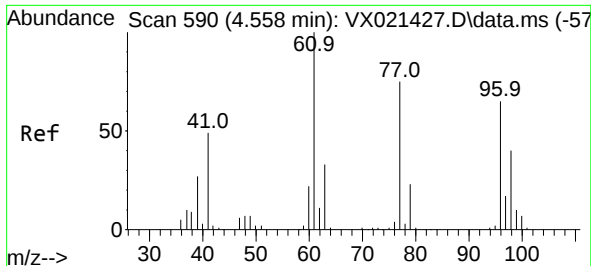
Tgt Ion: 63 Resp: 290
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 2.95 ug/l
RT: 4.646 min Scan# 605
Delta R.T. 0.011 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
72 19.7 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1.23 ug/l

RT: 4.558 min Scan# 590

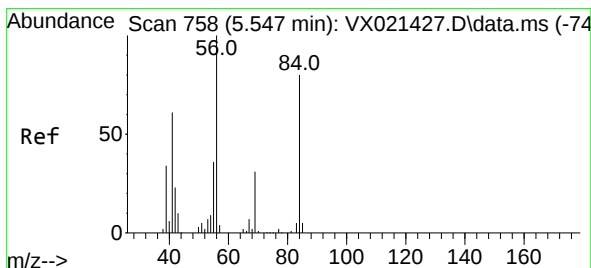
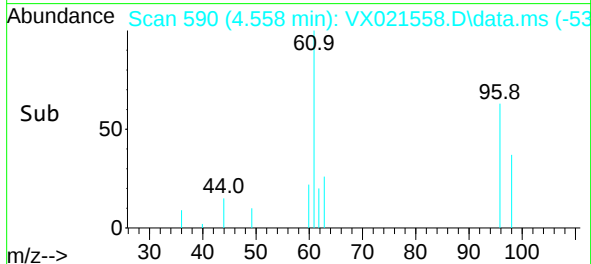
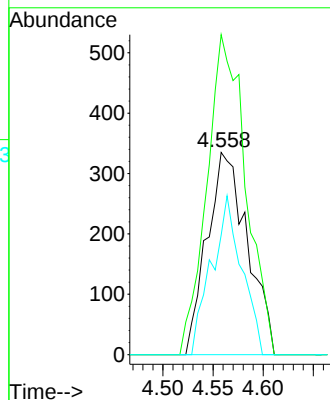
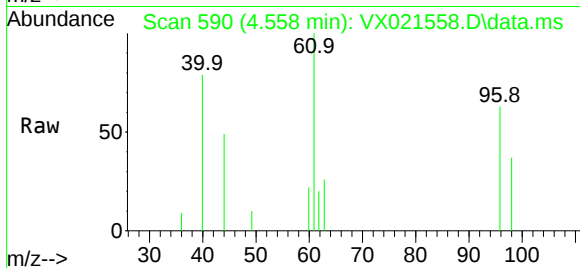
Delta R.T. 0.000 min

Lab File: VX021558.D

Acq: 27 Mar 2021 03:06

Tgt Ion: 96 Resp: 936

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	285.6
98	58.9	0.0	129.6



#31

Cyclohexane

Concen: 1.59 ug/l

RT: 5.623 min Scan# 771

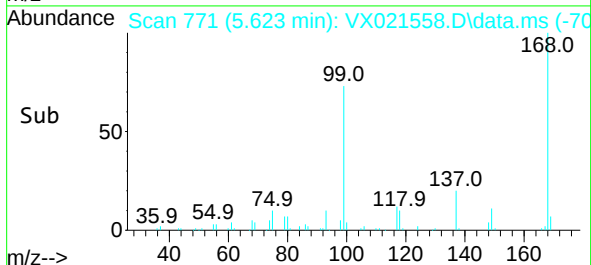
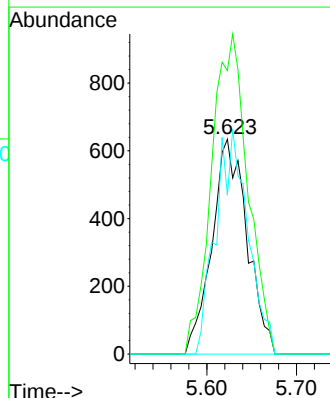
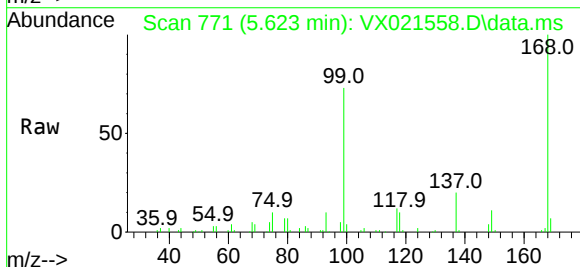
Delta R.T. 0.076 min

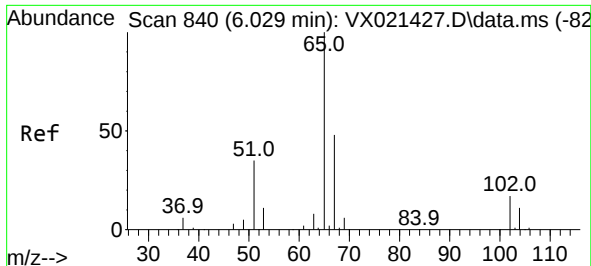
Lab File: VX021558.D

Acq: 27 Mar 2021 03:06

Tgt Ion: 56 Resp: 1724

Ion	Ratio	Lower	Upper
56	100		
69	132.0	25.3	37.9#
84	74.0	71.4	107.0

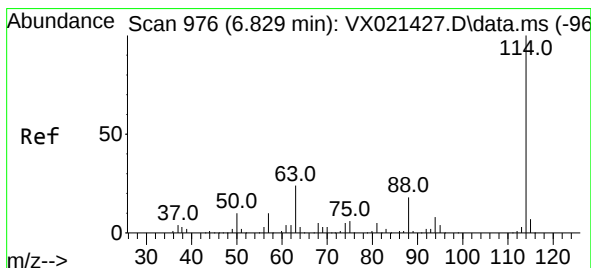
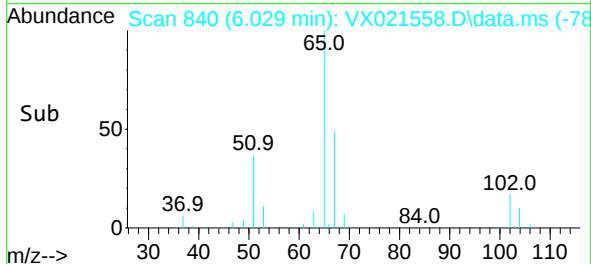
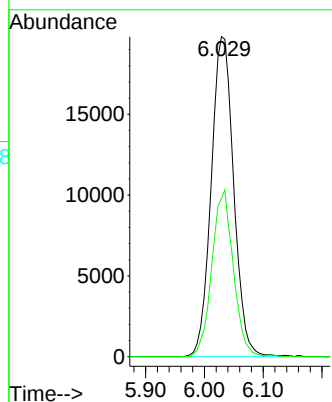
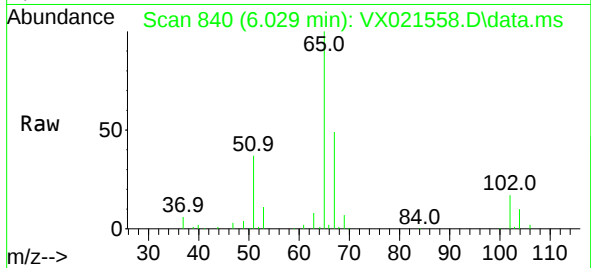




#33
 1,2-Dichloroethane-d4
 Concen: 53.29 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021558.D
 Acq: 27 Mar 2021 03:06

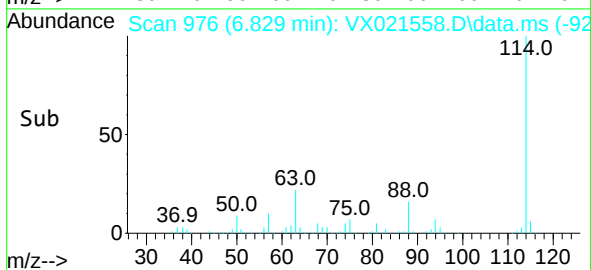
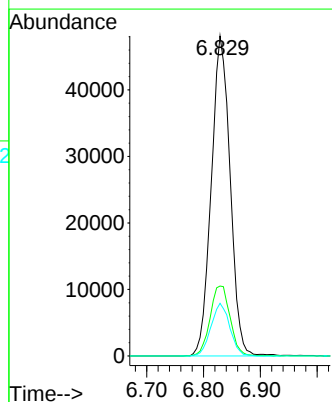
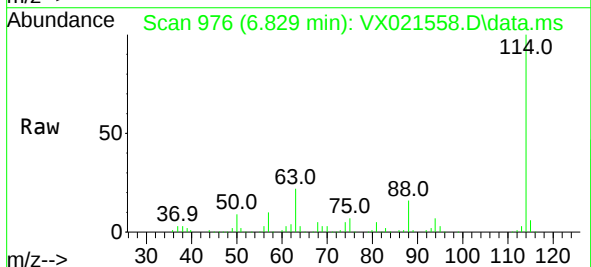
Instrument :
 MSVOA_X
 ClientSampleId :

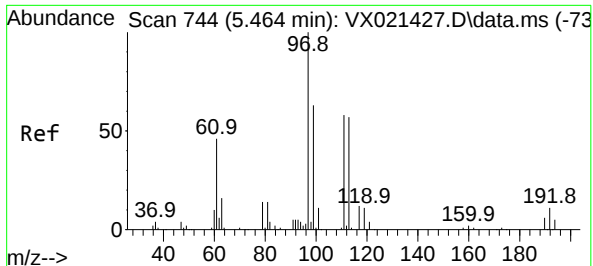
Tgt Ion: 65 Resp: 52659
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX021558.D
 Acq: 27 Mar 2021 03:06

Tgt Ion: 114 Resp: 110673
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.8
 88 16.5 0.0 32.8

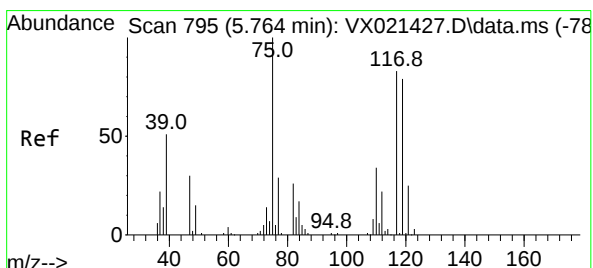
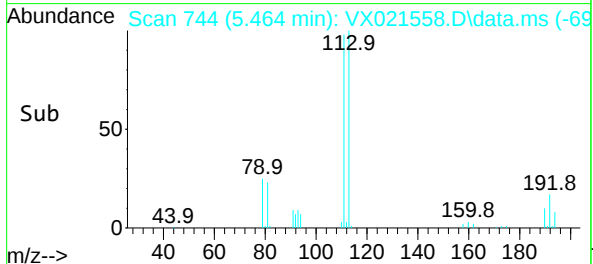
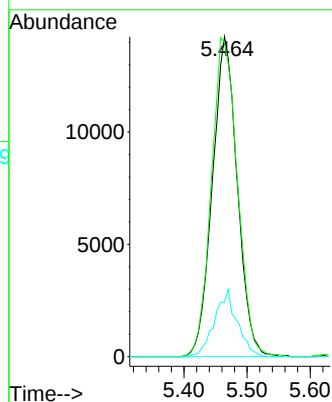
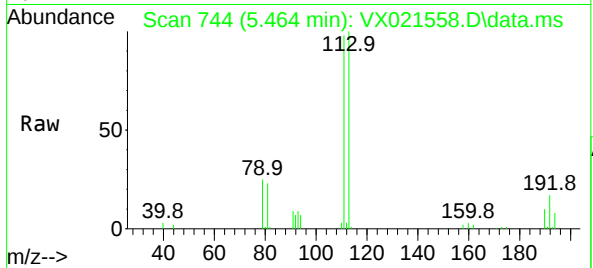




#35
Dibromofluoromethane
Concen: 49.55 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

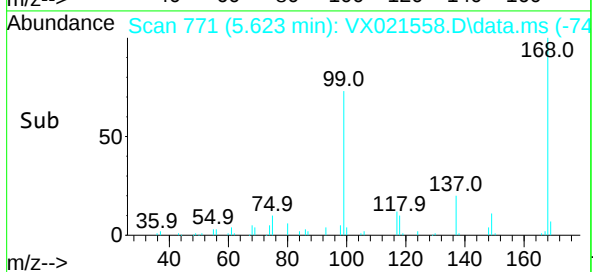
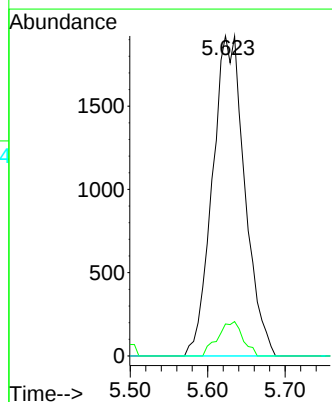
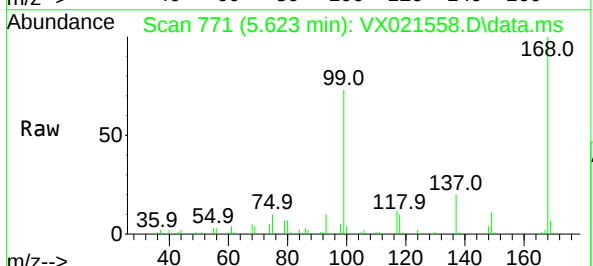
Instrument :
MSVOA_X
ClientSampleId :

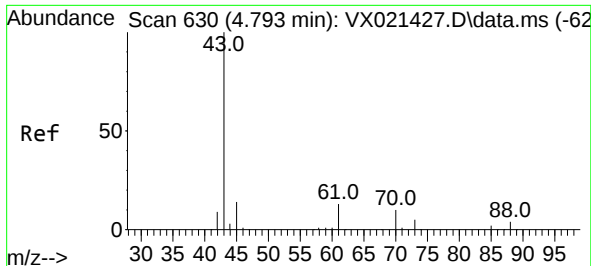
Tgt Ion:113 Resp: 38952
Ion Ratio Lower Upper
113 100
111 104.6 81.9 122.9
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 75 Resp: 5574
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.33 ug/l

RT: 4.646 min Scan# 605

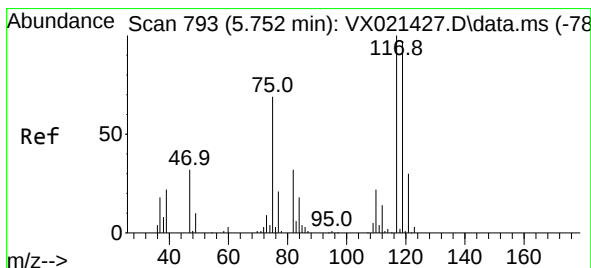
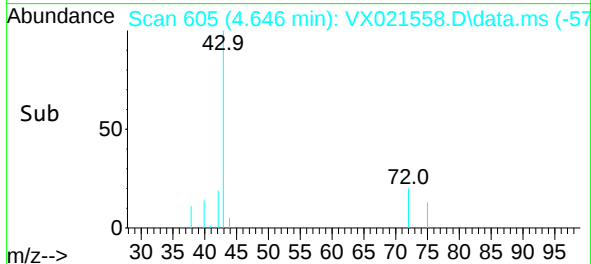
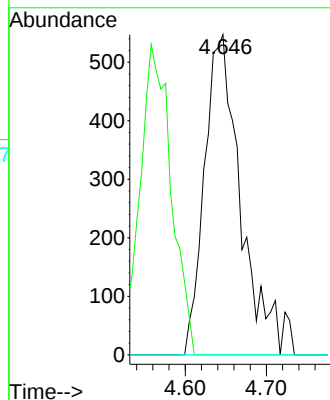
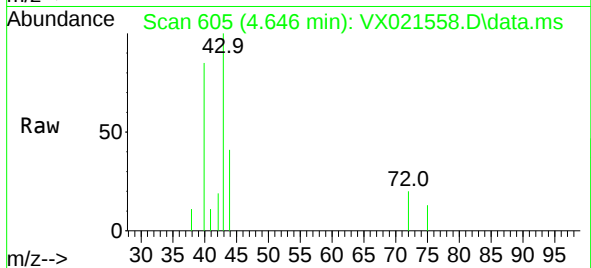
Delta R.T. -0.147 min

Lab File: VX021558.D

Acq: 27 Mar 2021 03:06

Tgt Ion:	43	Resp:	1672
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: 5.73 ug/l

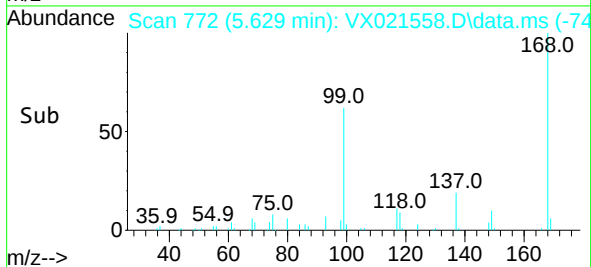
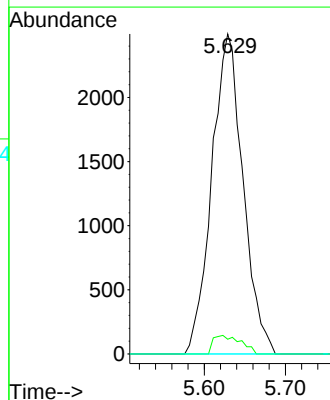
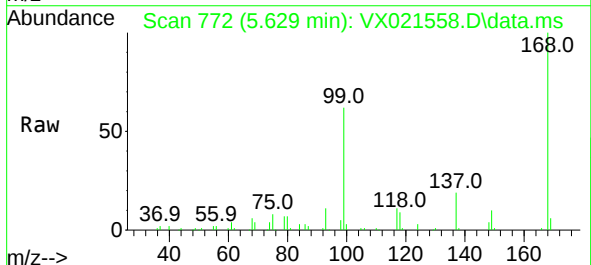
RT: 5.629 min Scan# 772

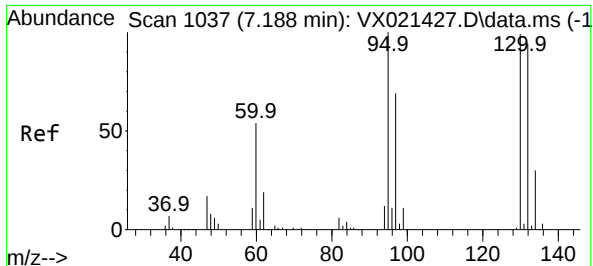
Delta R.T. -0.123 min

Lab File: VX021558.D

Acq: 27 Mar 2021 03:06

Tgt Ion:	117	Resp:	6675
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.8	37.2#

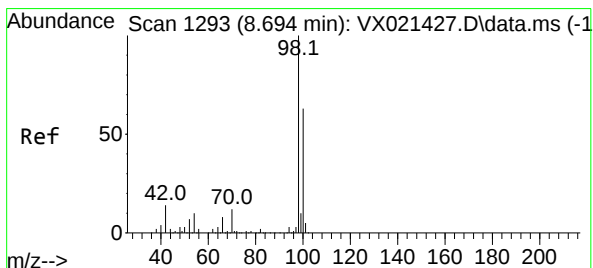
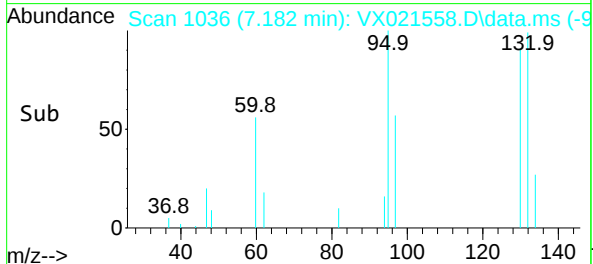
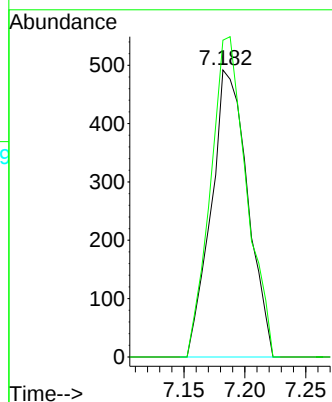
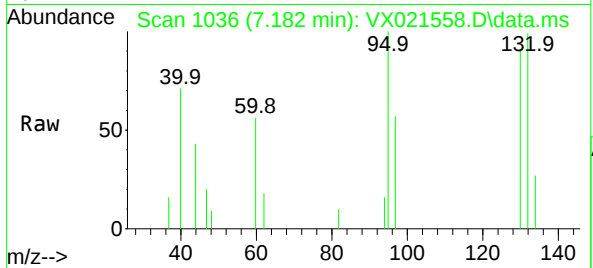




#44
Trichloroethene
Concen: 1.26 ug/l
RT: 7.182 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

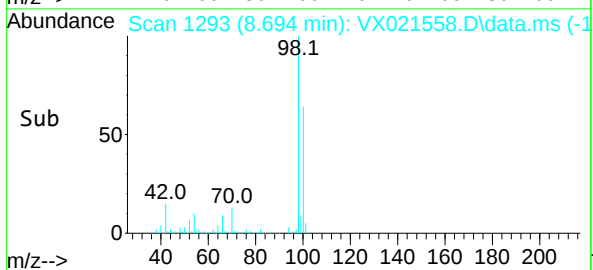
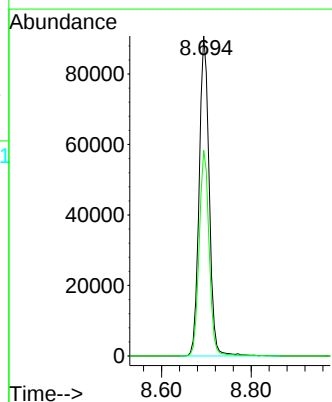
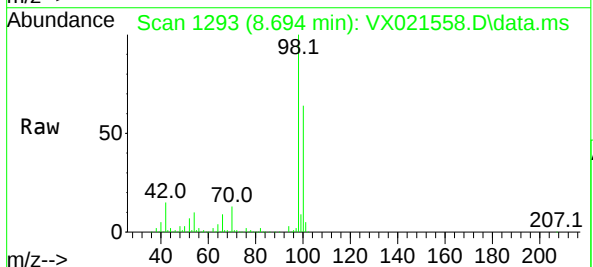
Instrument :
MSVOA_X
ClientSampled :

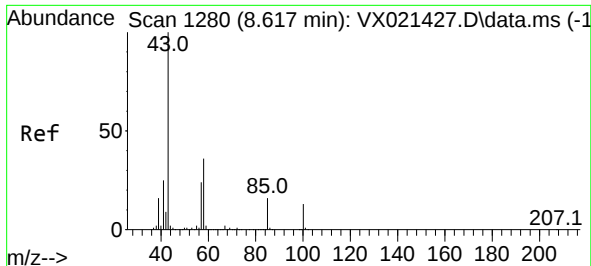
Tgt Ion:130 Resp: 1025
Ion Ratio Lower Upper
130 100
95 110.4 0.0 198.0



#50
Toluene-d8
Concen: 50.11 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 98 Resp: 140367
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

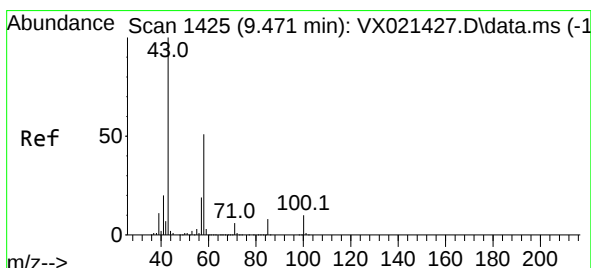
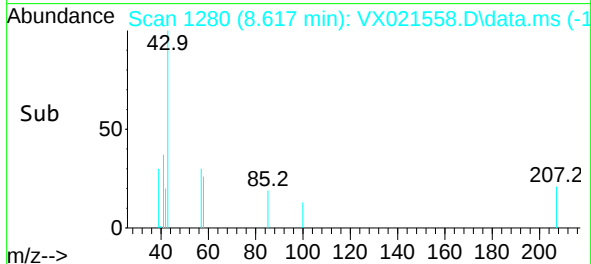
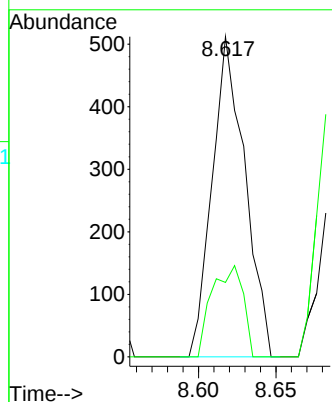
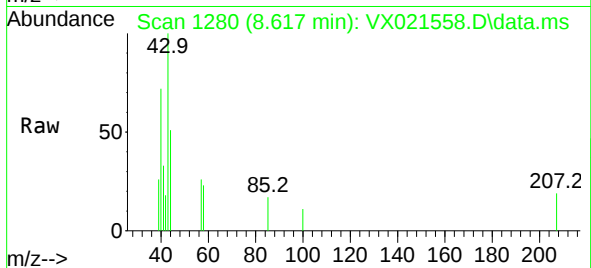




#51
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

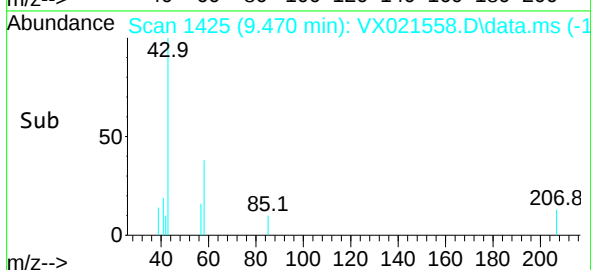
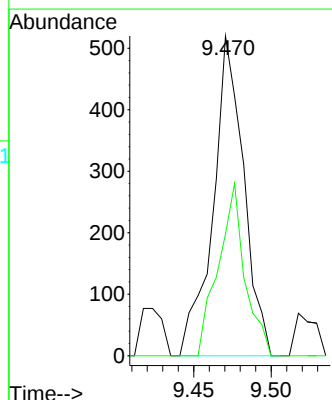
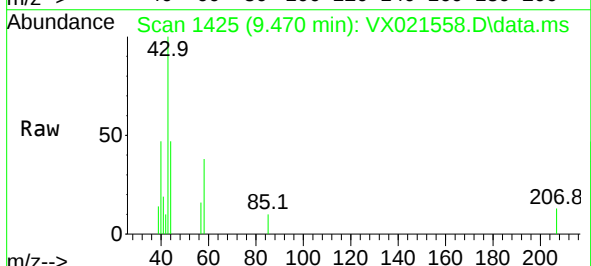
Instrument :
MSVOA_X
ClientSampled :

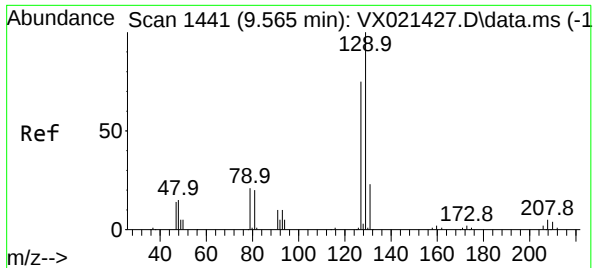
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 27.1 35.4 53.0#



#59
2-Hexanone
Concen: 0.76 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.001 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 46.7 30.9 92.8

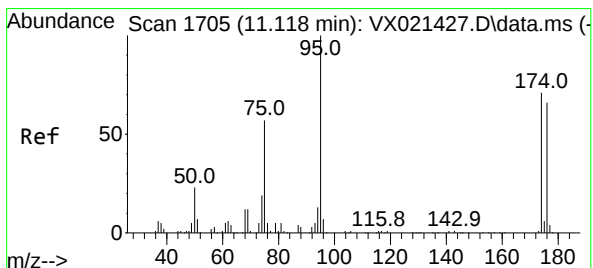
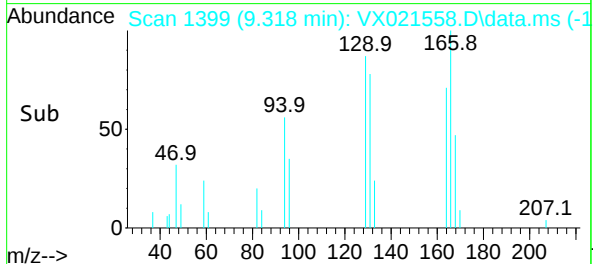
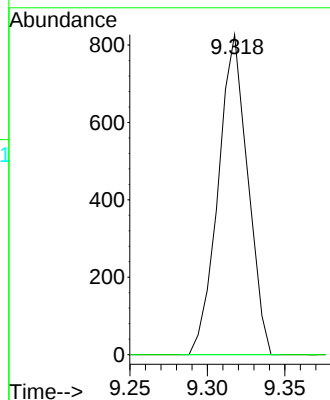
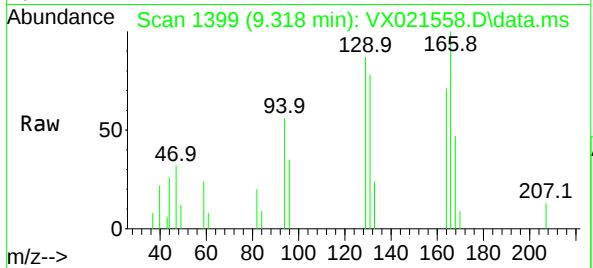




#60
Dibromochloromethane
Concen: 1.22 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

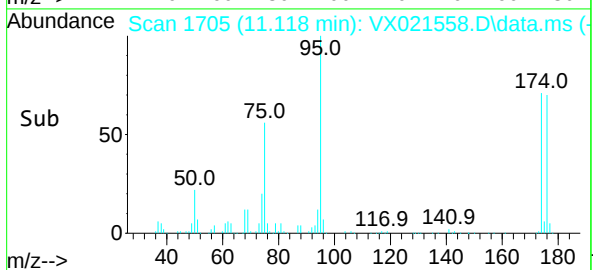
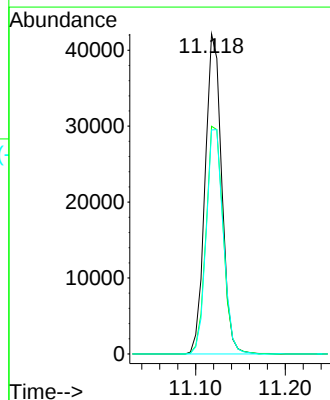
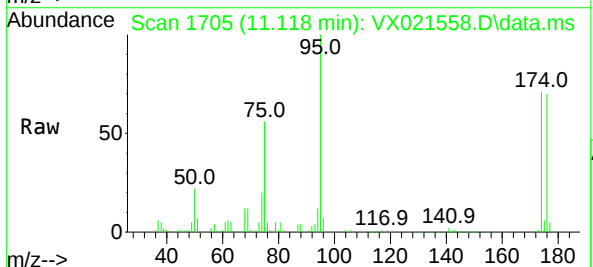
Instrument :
MSVOA_X
ClientSampleId :

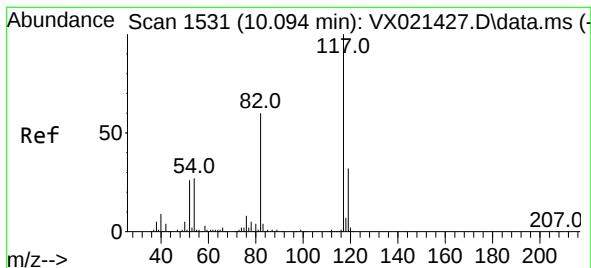
Tgt Ion:129 Resp: 1096
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.72 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion: 95 Resp: 54154
Ion Ratio Lower Upper
95 100
174 73.0 0.0 154.6
176 71.9 0.0 155.8

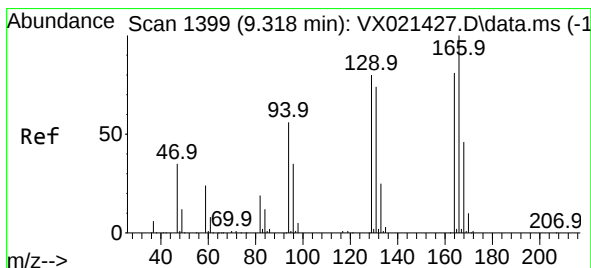
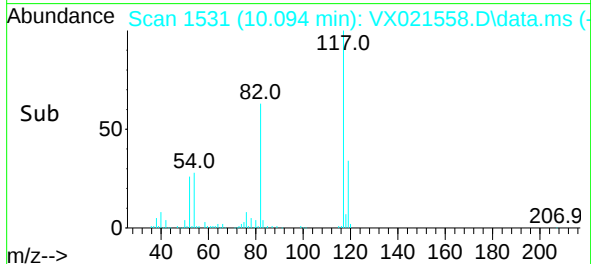
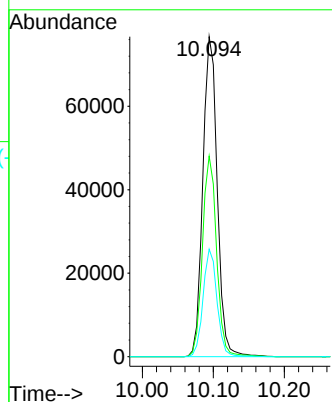
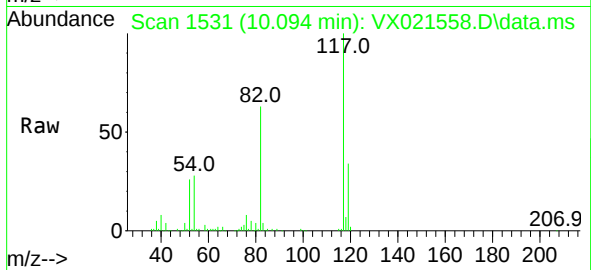




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

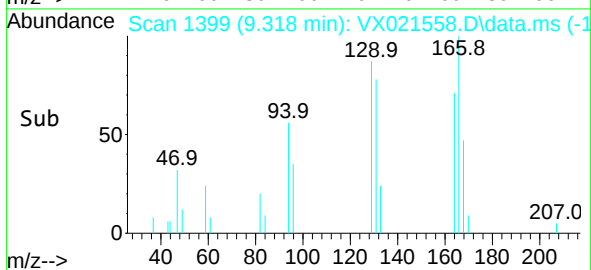
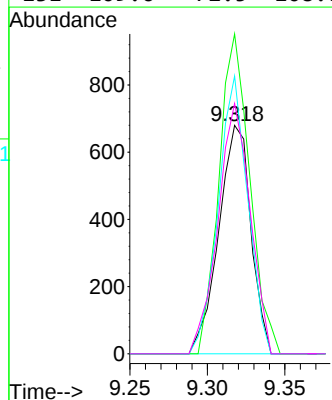
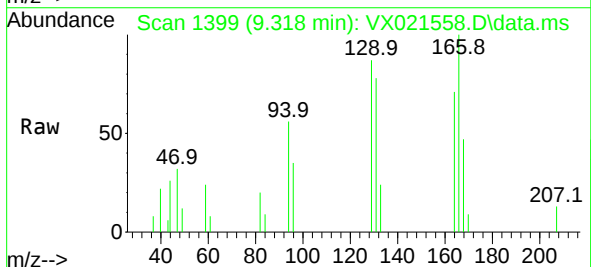
Instrument :
MSVOA_X
ClientSampled :

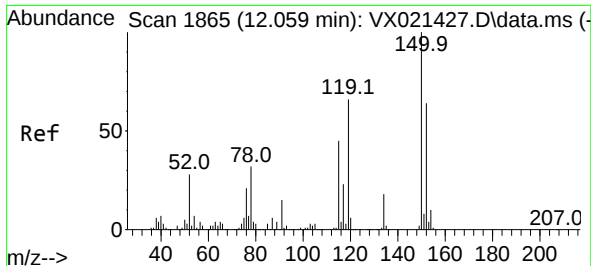
Tgt Ion:117 Resp: 108529
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 33.6 26.6 39.8



#64
Tetrachloroethene
Concen: 1.35 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

Tgt Ion:164 Resp: 979
Ion Ratio Lower Upper
164 100
166 140.0 103.4 155.2
129 121.6 70.8 106.2#
131 109.6 72.5 108.7#

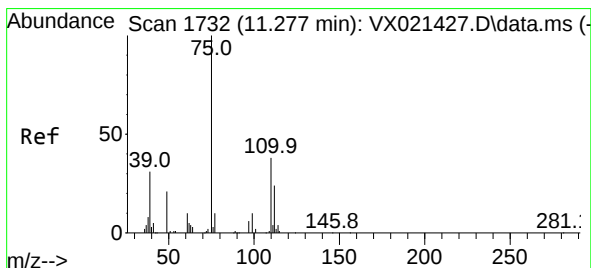
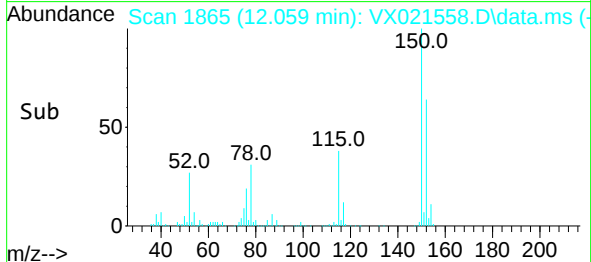
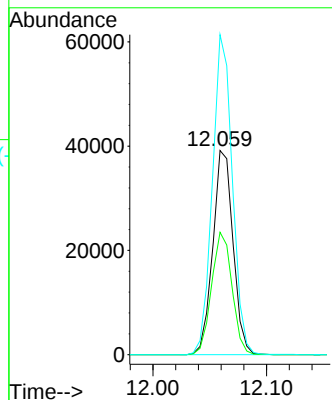
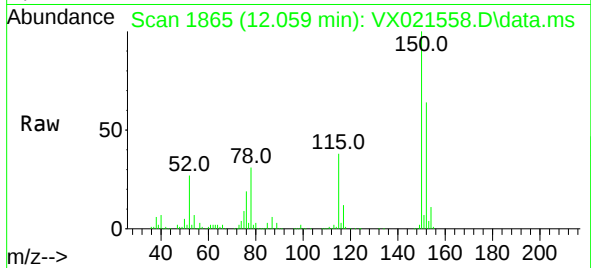




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

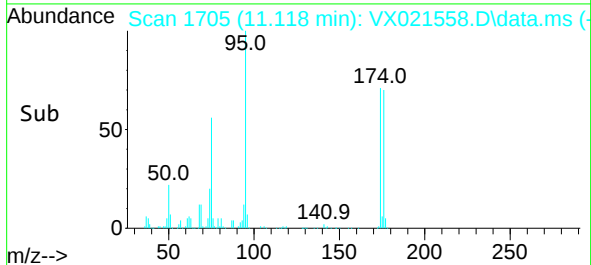
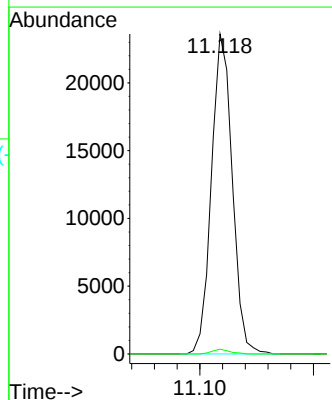
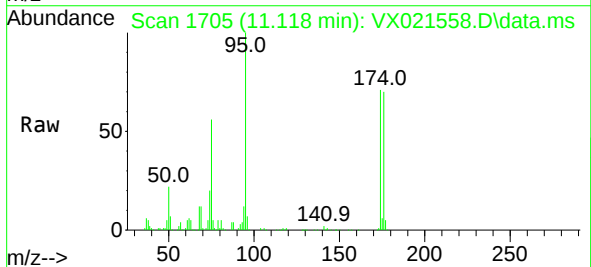
Instrument :
MSVOA_X
ClientSampleId :

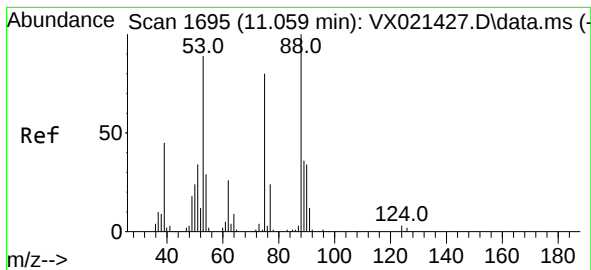
Tgt Ion:152 Resp: 48511
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 154.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.61 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021558.D
Acq: 27 Mar 2021 03:06

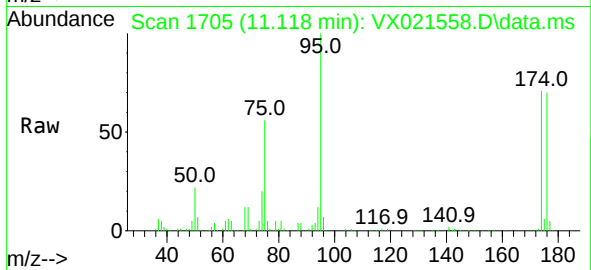
Tgt Ion: 75 Resp: 30054
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.06 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021558.D
 Acq: 27 Mar 2021 03:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30054
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

