

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
 Data File : VX021370.D
 Acq On : 22 Mar 2021 19:48
 Operator : JC/MD
 Sample : M1712-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

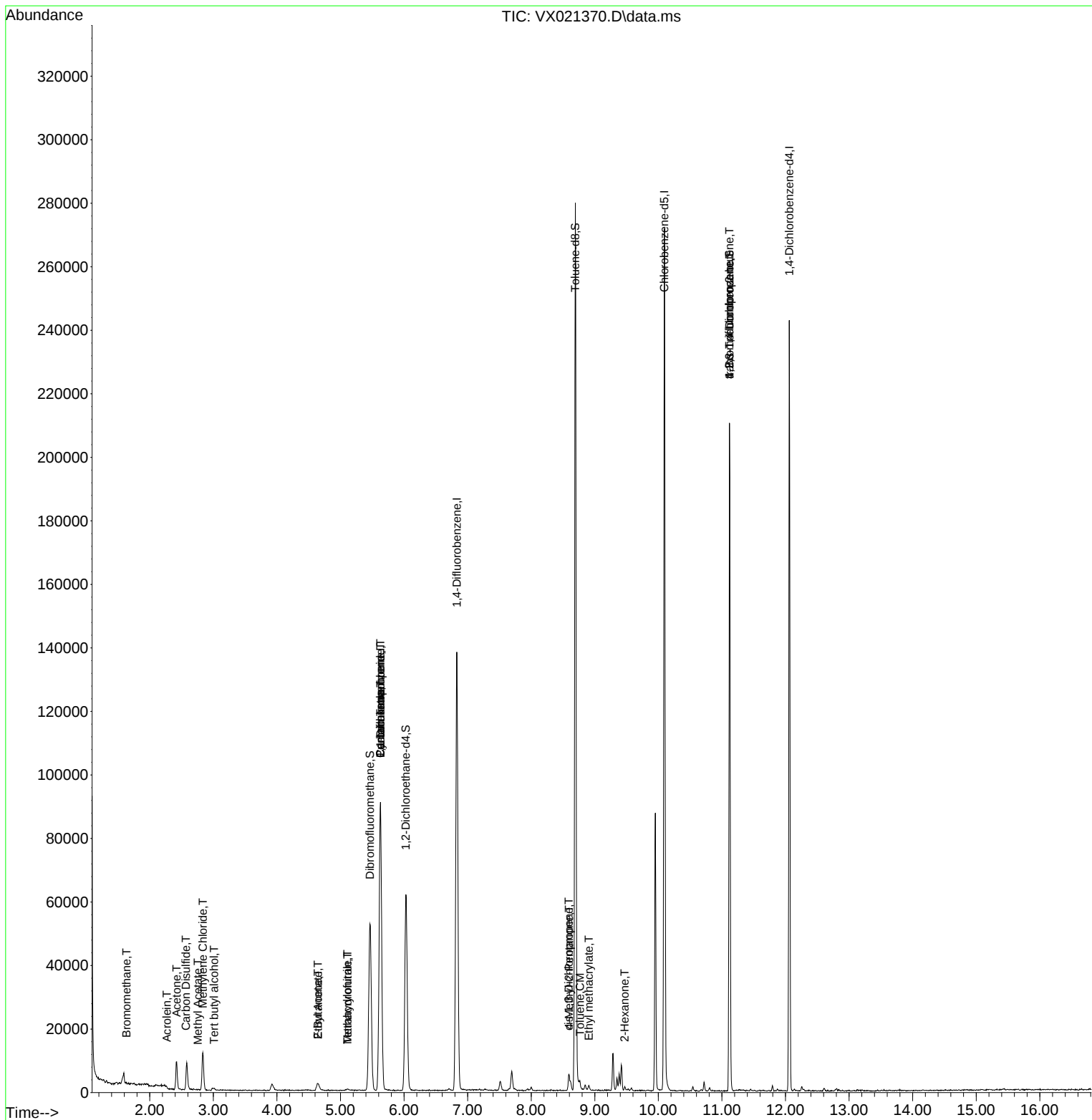
Quant Time: Mar 23 02:04:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

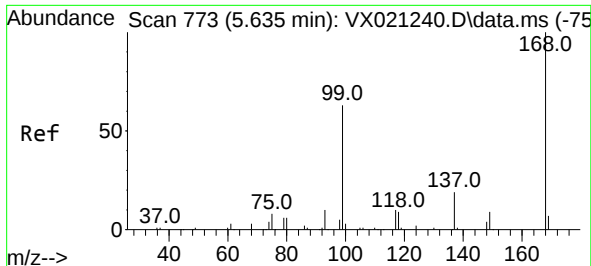
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	76902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	125810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	42787	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	61794	48.99	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.98%
35) Dibromofluoromethane	5.464	113	43580	50.91	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.82%
50) Toluene-d8	8.694	98	156055	50.24	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.48%
62) 4-Bromofluorobenzene	11.118	95	53796	44.60	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.20%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1458	Below Cal		90
5) Bromomethane	1.634	94	89	0.22 ug/l		91
11) Tert butyl alcohol	3.011	59	700	3.30 ug/l #		73
13) Acrolein	2.270	56	38	3.42 ug/l		88
16) Acetone	2.423	43	9410	20.28 ug/l #		87
17) Carbon Disulfide	2.570	76	18	0.54 ug/l #		75
18) Methyl Acetate	2.758	43	314	0.25 ug/l #		47
20) Methylene Chloride	2.835	84	5152	5.40 ug/l		90
25) 2-Butanone	4.647	43	3401	4.77 ug/l #		80
29) Tetrahydrofuran	5.111	42	316	0.67 ug/l #		37
31) Cyclohexane	5.629	56	2295	1.51 ug/l #		32
36) 1,1-Dichloropropene	5.629	75	7021	5.54 ug/l #		46
37) Ethyl Acetate	4.647	43	3401	2.32 ug/l #		64
38) Carbon Tetrachloride	5.629	117	8459	6.43 ug/l #		16
41) Methacrylonitrile	5.111	41	258	0.31 ug/l #		44
51) 4-Methyl-2-Pentanone	8.594	43	1953	1.39 ug/l #		32
52) Toluene	8.765	92	456	0.21 ug/l		92
54) cis-1,3-Dichloropropene	8.588	75	764	0.49 ug/l #		75
56) Ethyl methacrylate	8.906	69	731	0.51 ug/l #		69
59) 2-Hexanone	9.471	43	729	0.69 ug/l		75
76) 1,2,3-Trichloropropane	11.118	75	29665	29.89 ug/l #		39
81) trans-1,4-Dichloro-2-b...	11.118	75	29665	81.15 ug/l #		12

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

Quant Time: Mar 23 02:04:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

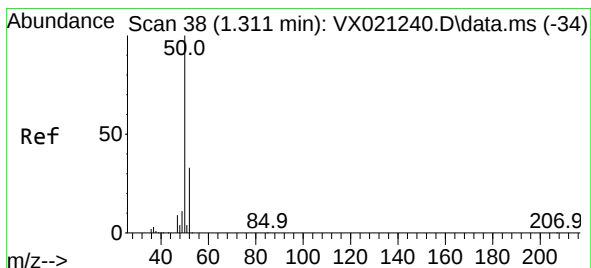
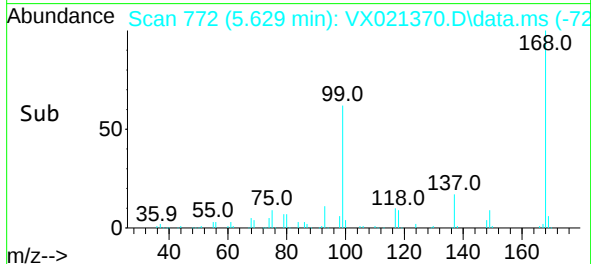
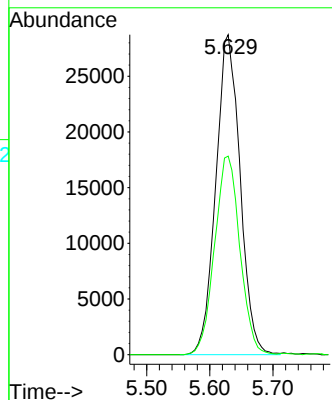
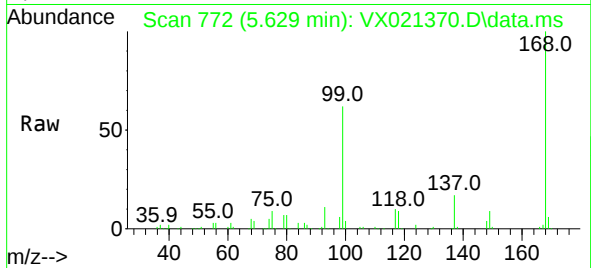




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

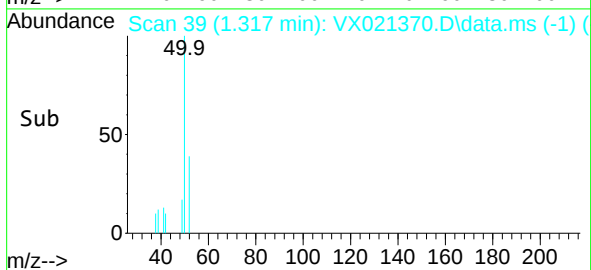
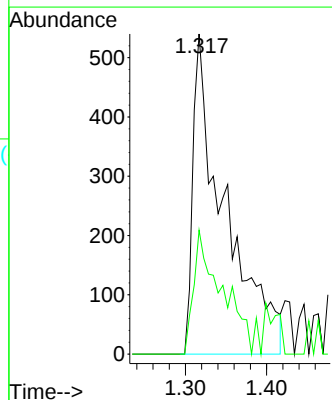
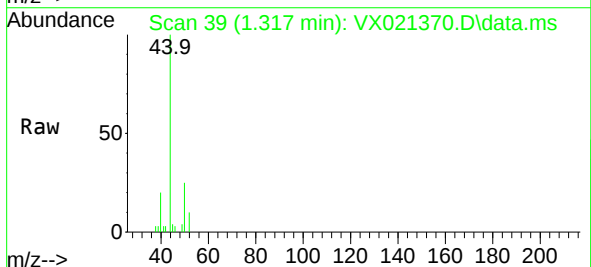
Instrument :
MSVOA_X
ClientSampleId :

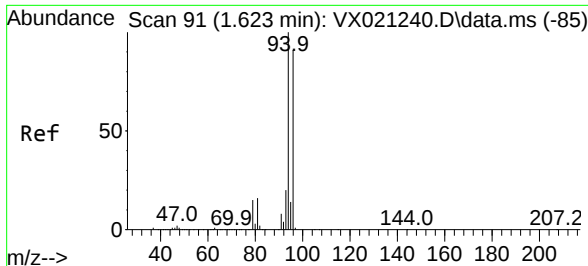
Tgt Ion:168 Resp: 76902
Ion Ratio Lower Upper
168 100
99 62.1 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

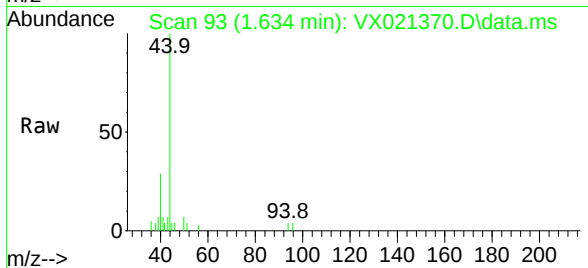
Tgt Ion: 50 Resp: 1458
Ion Ratio Lower Upper
50 100
52 38.7 26.4 39.6



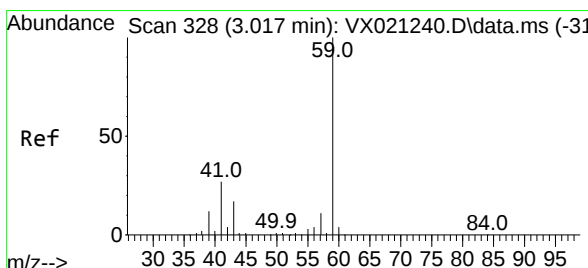
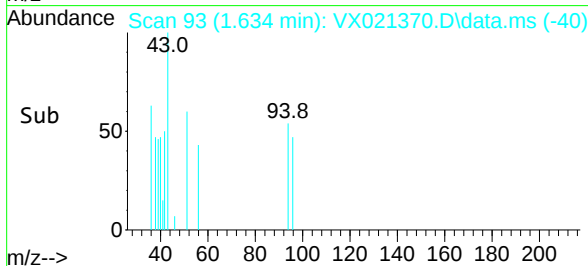
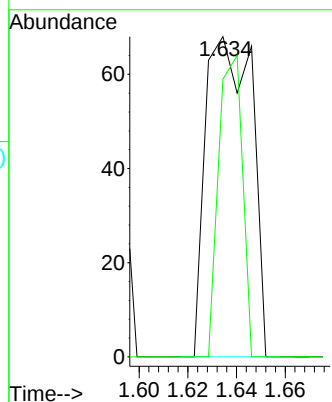


#5
Bromomethane
Concen: 0.22 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Instrument :
MSVOA_X
ClientSampled :

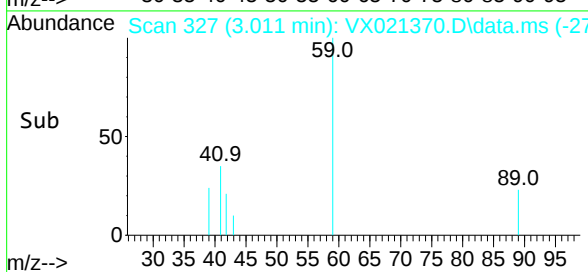
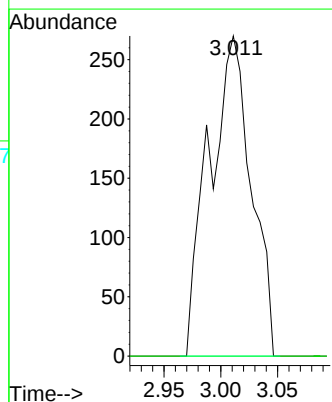
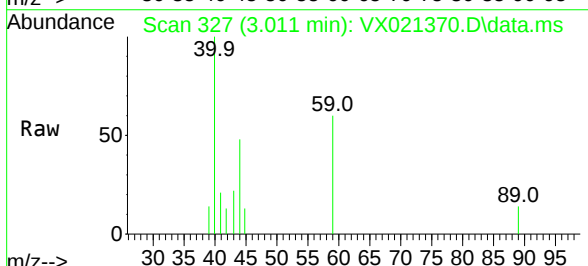


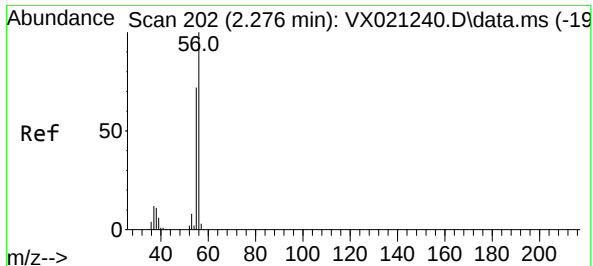
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 86.8 76.4 114.6



#11
Tert butyl alcohol
Concen: 3.30 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

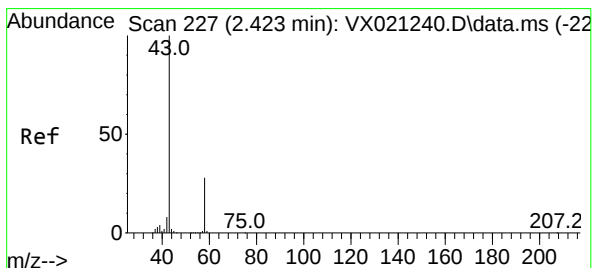
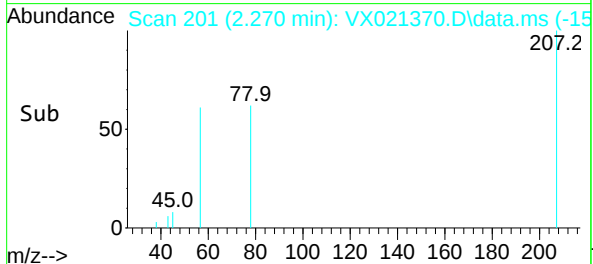
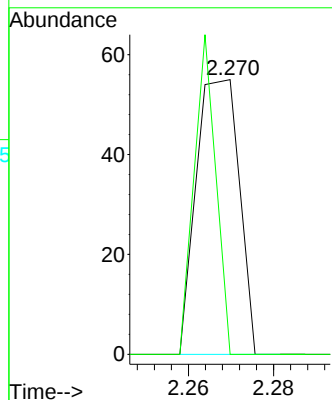
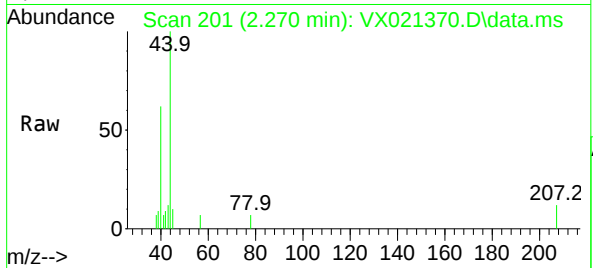




#13
Acrolein
Concen: 3.42 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

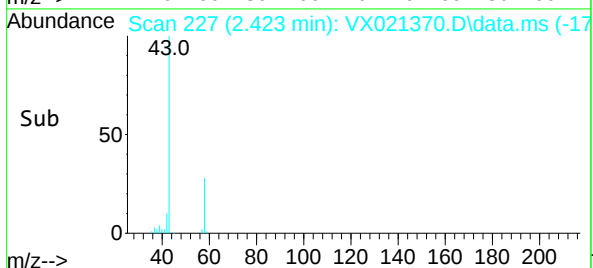
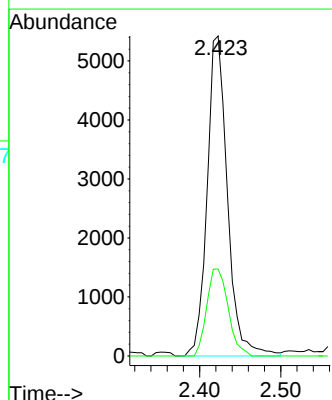
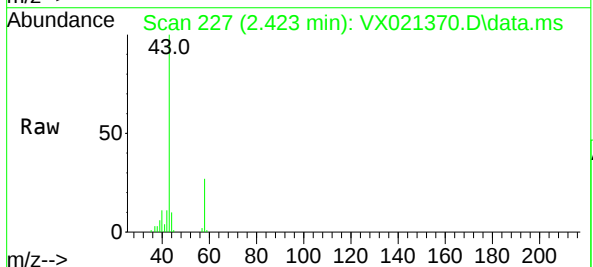
Instrument :
MSVOA_X
ClientSampled :

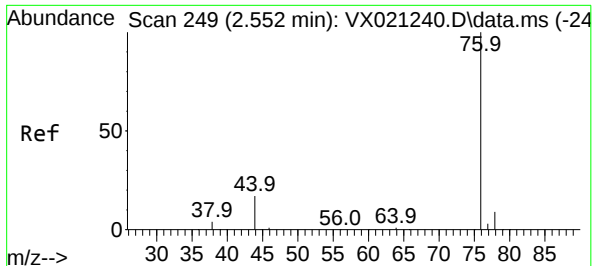
Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 60.5 56.4 84.6



#16
Acetone
Concen: 20.28 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 43 Resp: 9410
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#

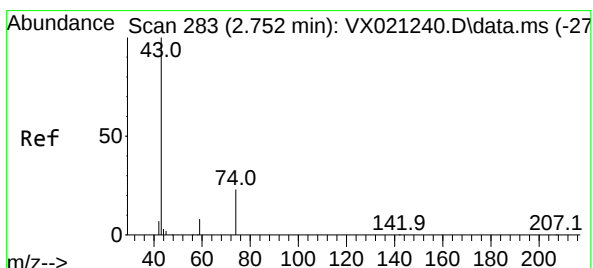
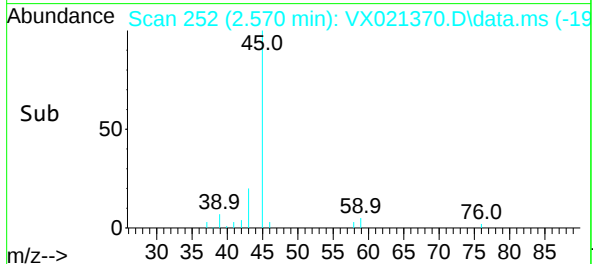
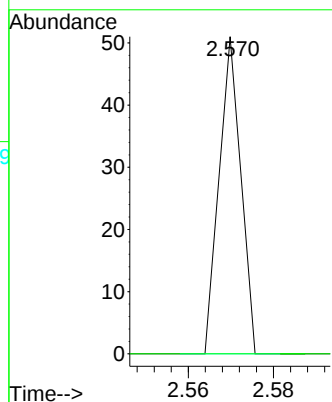
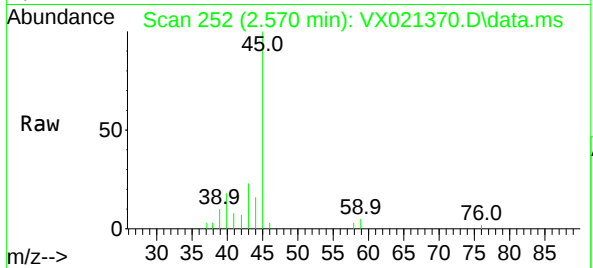




#17
Carbon Disulfide
Concen: 0.54 ug/l
RT: 2.570 min Scan# 252
Delta R.T. 0.018 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

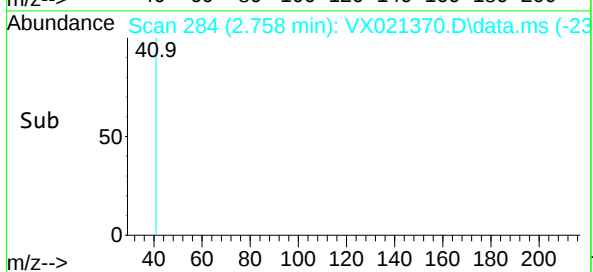
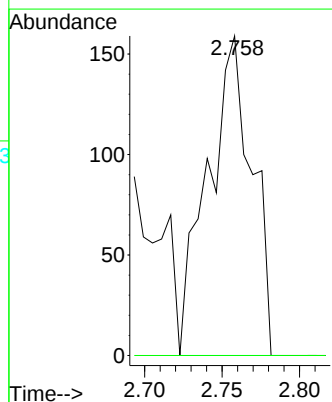
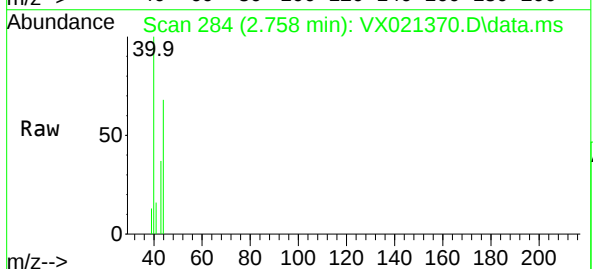
Instrument :
MSVOA_X
ClientSampled :

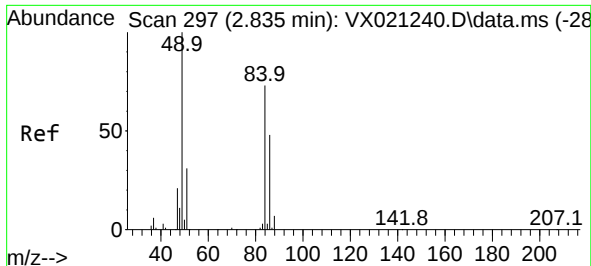
Tgt Ion: 76 Resp: 18
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 5.40 ug/l

RT: 2.835 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion: 84 Resp: 5152

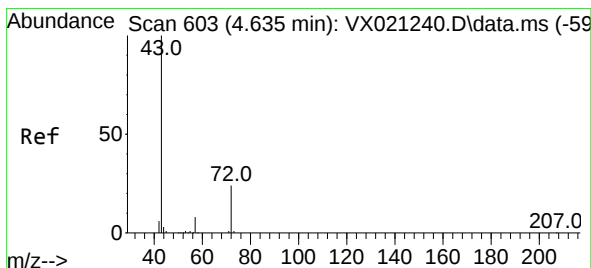
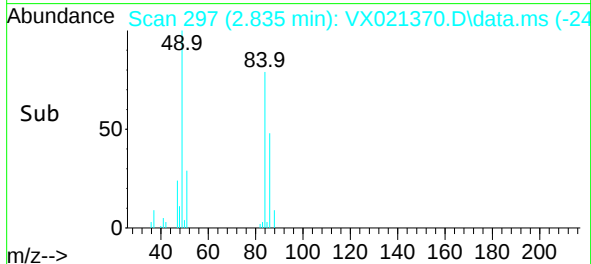
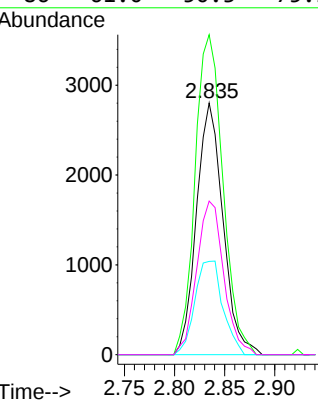
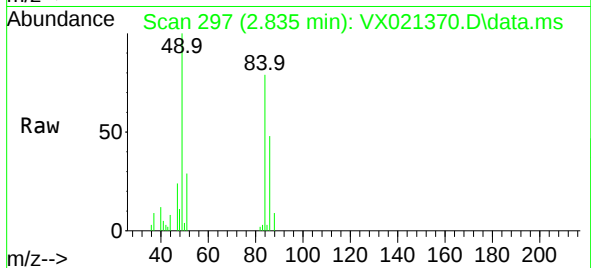
Ion Ratio Lower Upper

84 100

49 127.2 88.6 132.8

51 37.1 27.0 40.6

86 61.0 50.3 75.5



#25

2-Butanone

Concen: 4.77 ug/l

RT: 4.647 min Scan# 605

Delta R.T. 0.012 min

Lab File: VX021370.D

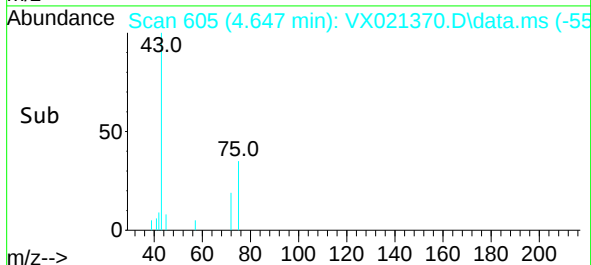
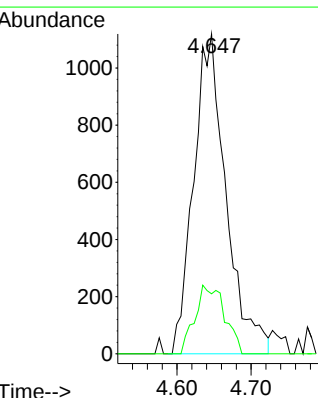
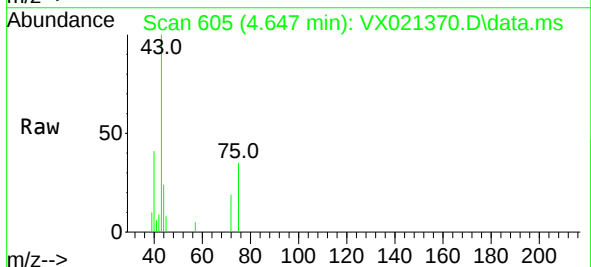
Acq: 22 Mar 2021 19:48

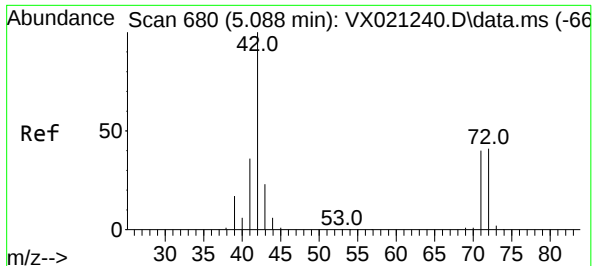
Tgt Ion: 43 Resp: 3401

Ion Ratio Lower Upper

43 100

72 18.8 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.111 min Scan# 684

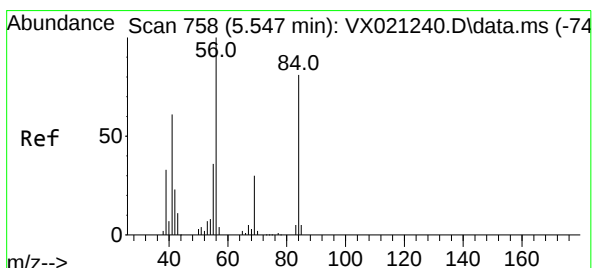
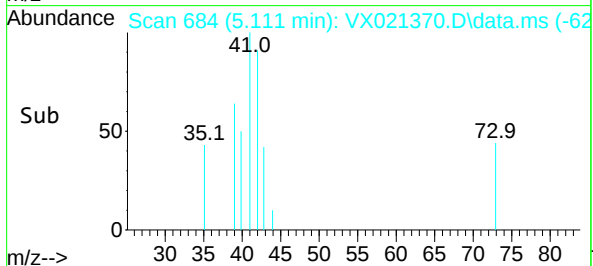
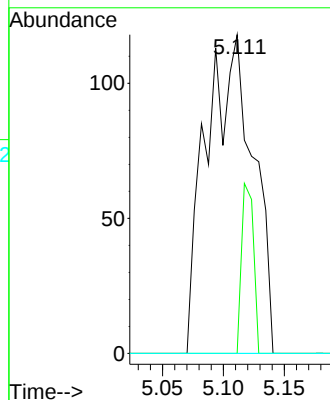
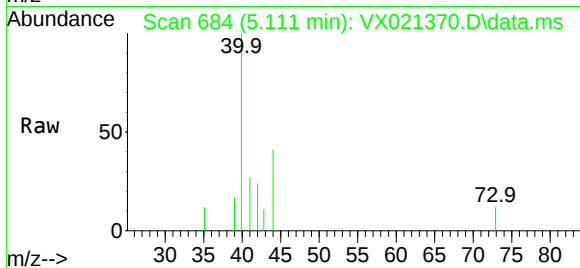
Delta R.T. 0.023 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion:	42	Resp:	316
Ion	Ratio	Lower	Upper
42	100		
72	13.3	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.51 ug/l

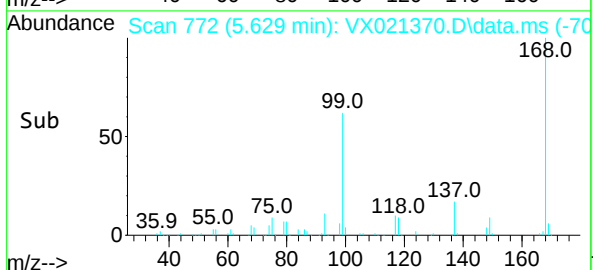
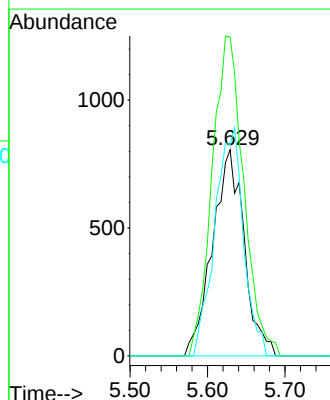
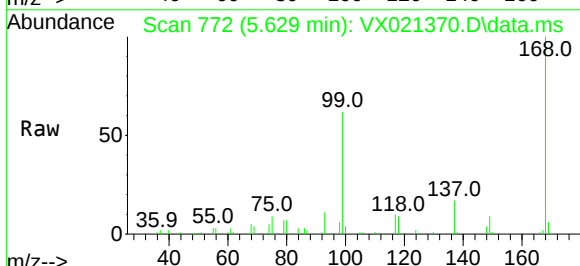
RT: 5.629 min Scan# 772

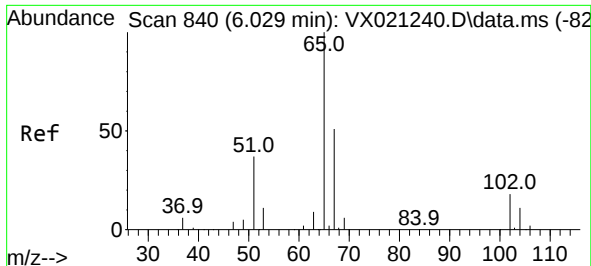
Delta R.T. 0.082 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion:	56	Resp:	2295
Ion	Ratio	Lower	Upper
56	100		
69	154.6	25.3	37.9#
84	102.5	71.4	107.0

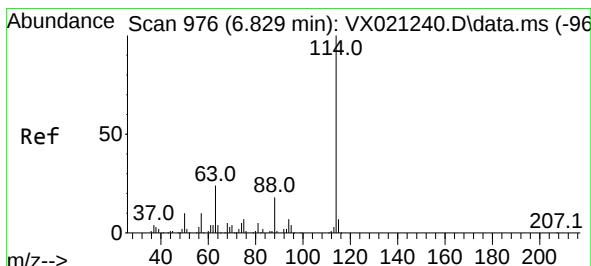
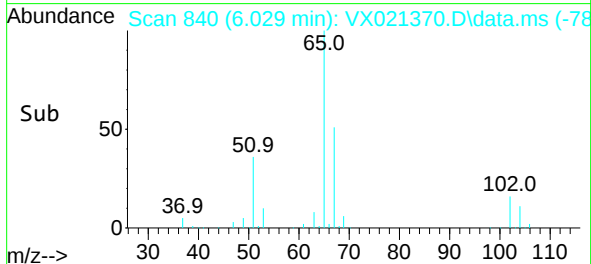
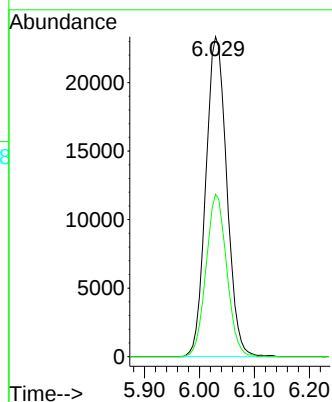
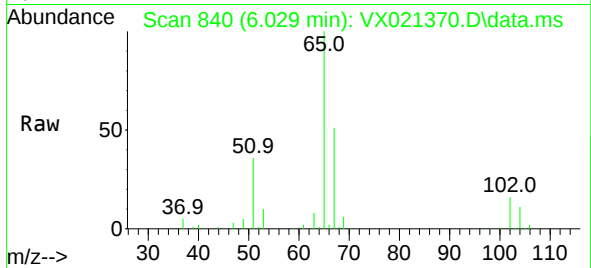




#33
1,2-Dichloroethane-d4
Concen: 48.99 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

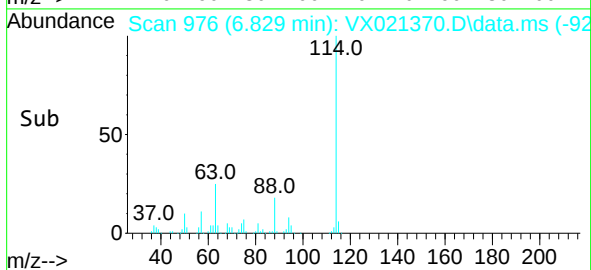
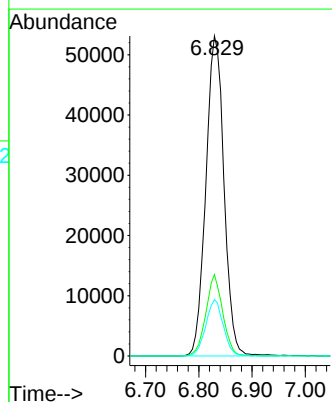
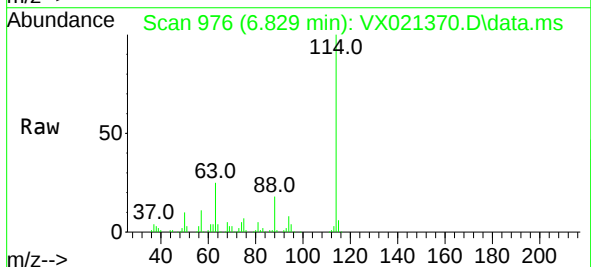
Instrument :
MSVOA_X
ClientSampled :

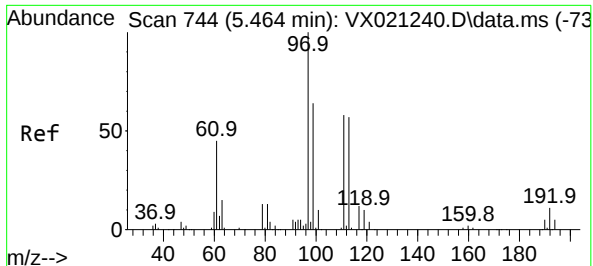
Tgt Ion: 65 Resp: 61794
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 114 Resp: 125810
Ion Ratio Lower Upper
114 100
63 25.4 0.0 40.8
88 17.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.91 ug/l

RT: 5.464 min Scan# 744

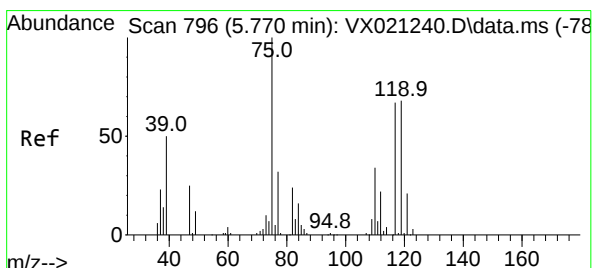
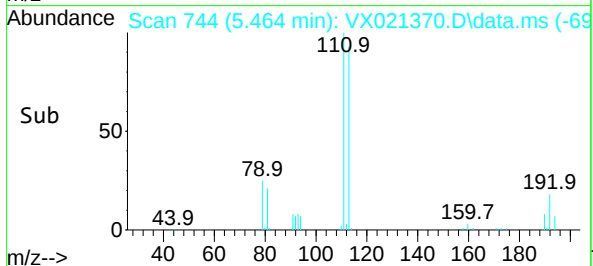
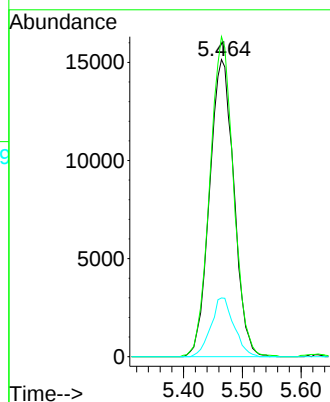
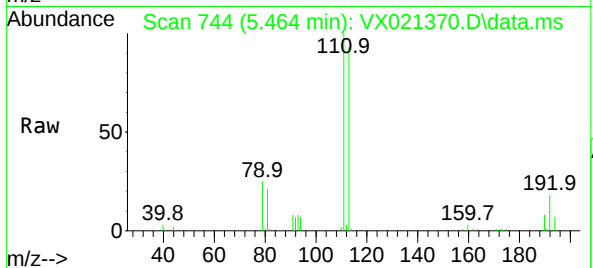
Delta R.T. 0.000 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion:	113	Resp:	43580
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.9	122.9
192	18.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.54 ug/l

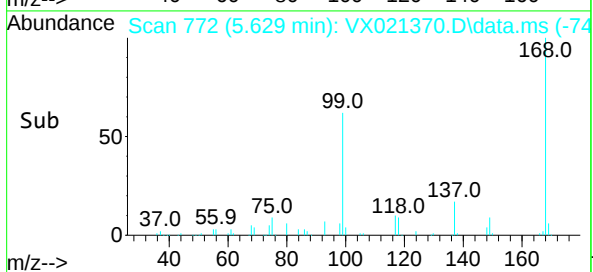
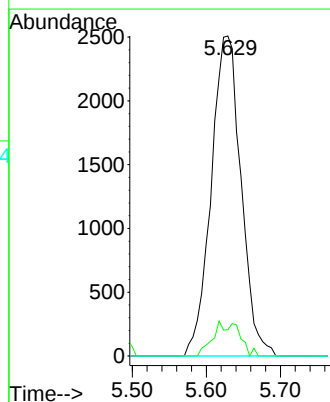
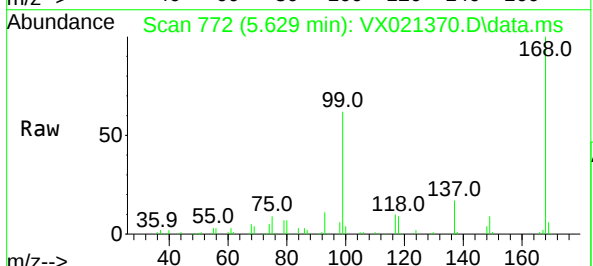
RT: 5.629 min Scan# 772

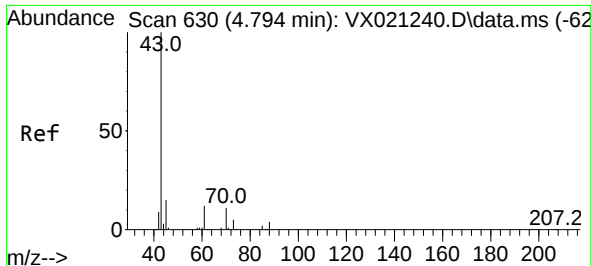
Delta R.T. -0.141 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion:	75	Resp:	7021
Ion	Ratio	Lower	Upper
75	100		
110	5.5	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.32 ug/l

RT: 4.647 min Scan# 605

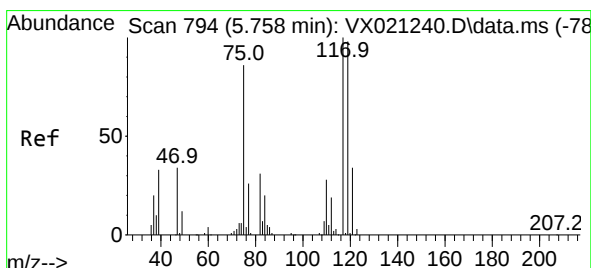
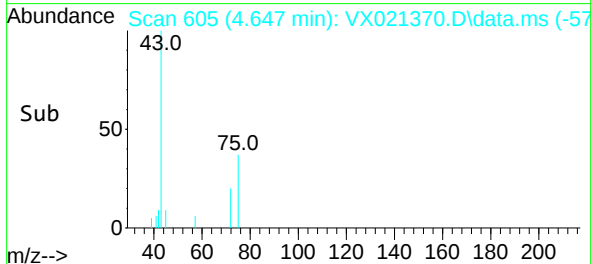
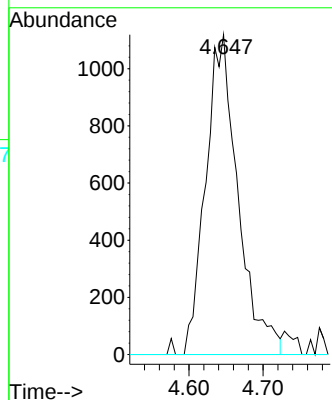
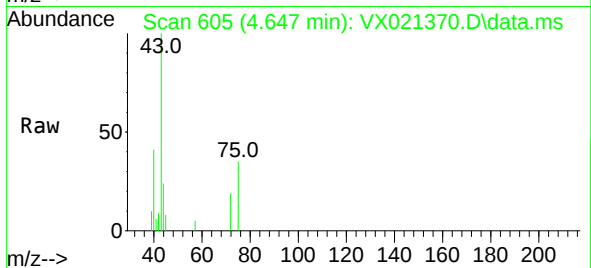
Delta R.T. -0.147 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

Tgt Ion: 43	Resp: 3401
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: 6.43 ug/l

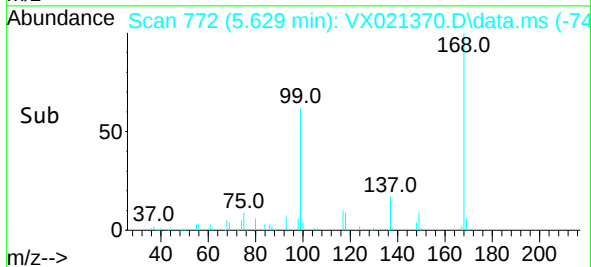
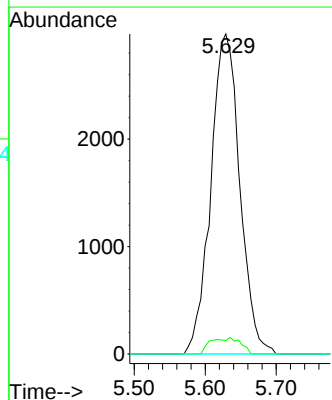
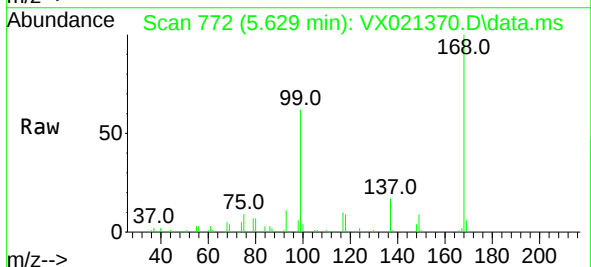
RT: 5.629 min Scan# 772

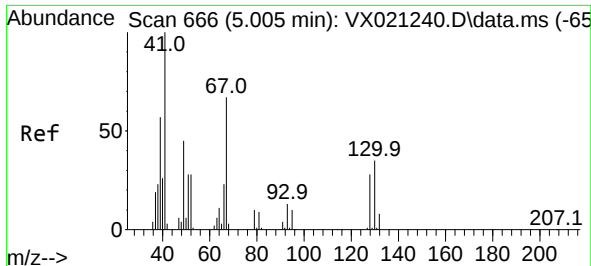
Delta R.T. -0.129 min

Lab File: VX021370.D

Acq: 22 Mar 2021 19:48

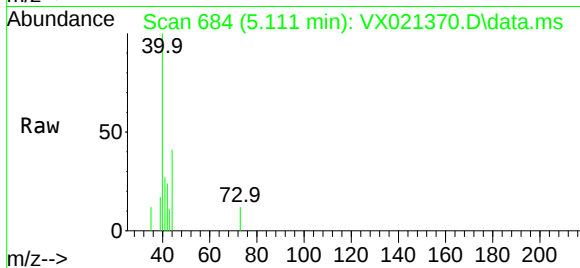
Tgt Ion: 117	Resp: 8459
Ion Ratio	Lower Upper
117 100	
119 4.2	76.2 114.2#
121 0.0	24.8 37.2#



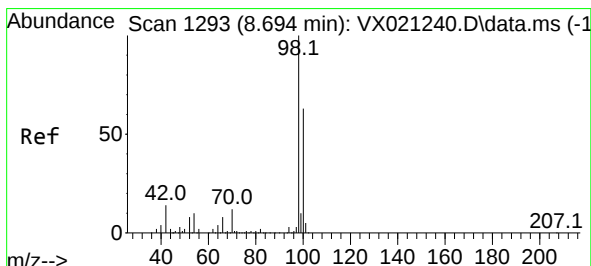
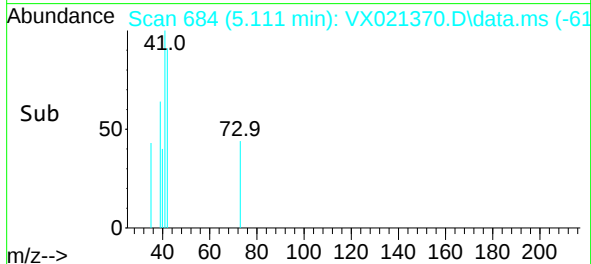
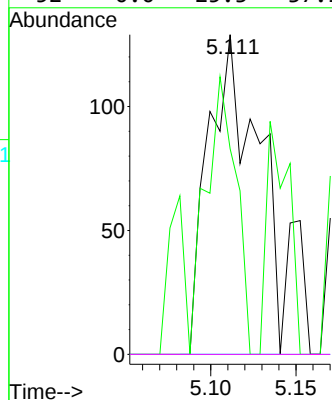


#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.106 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :

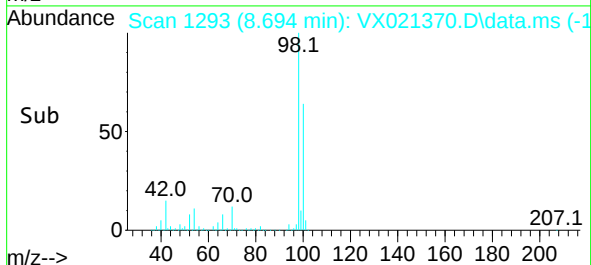
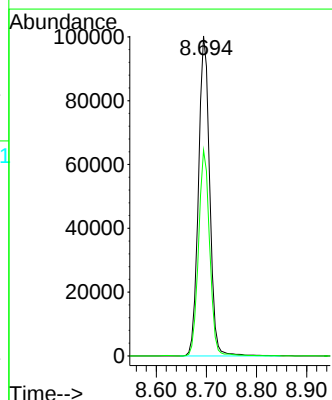
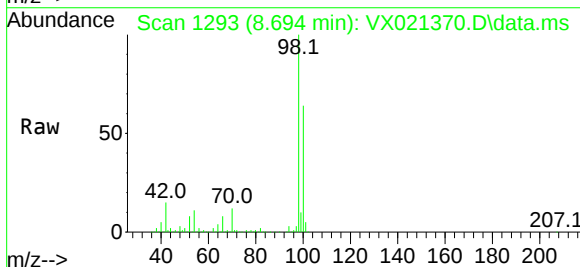


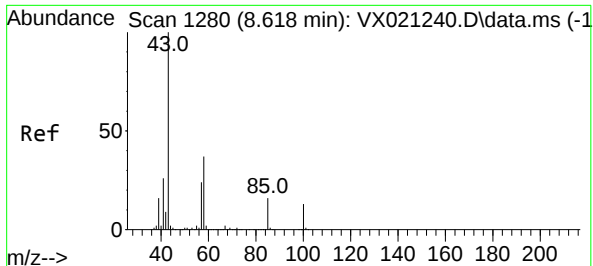
Tgt Ion:	41	Resp:	258
Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#50
Toluene-d8
Concen: 50.24 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion:	98	Resp:	156055
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9

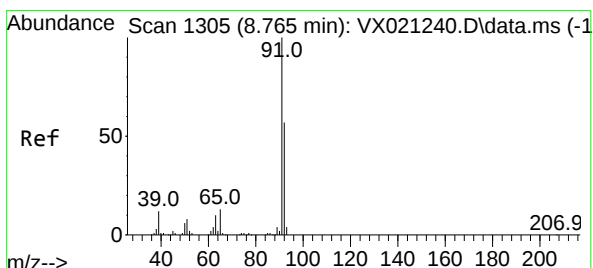
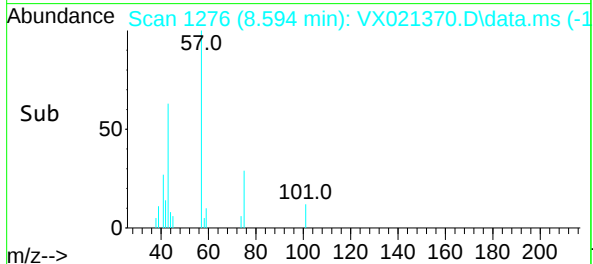
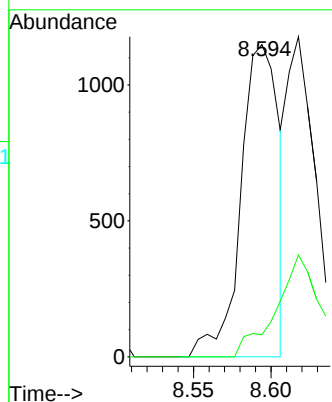
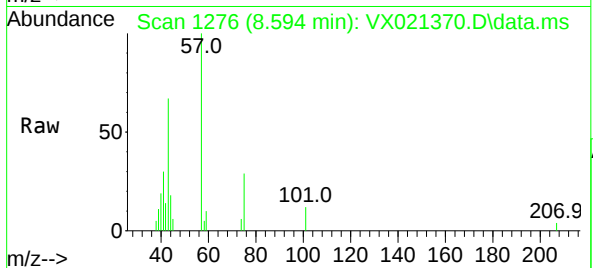




#51
4-Methyl-2-Pentanone
Concen: 1.39 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

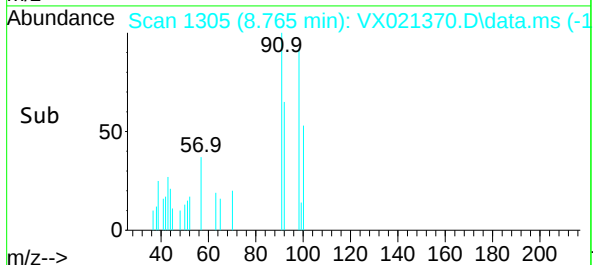
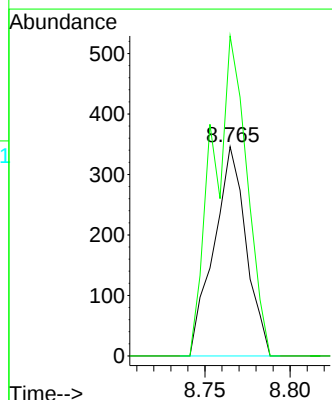
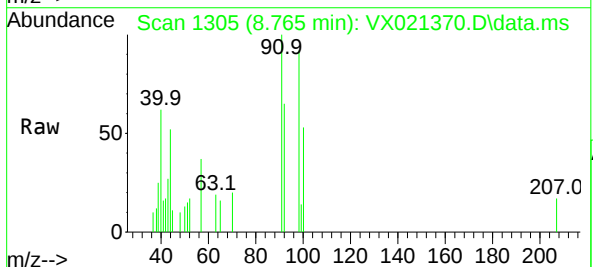
Instrument :
MSVOA_X
ClientSampled :

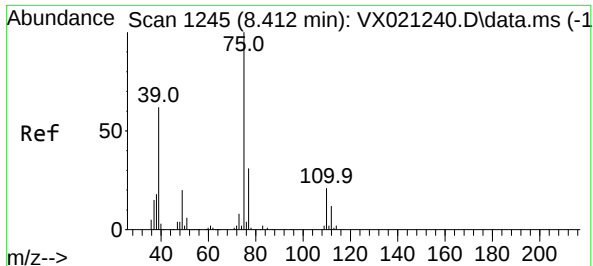
Tgt Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 0.21 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

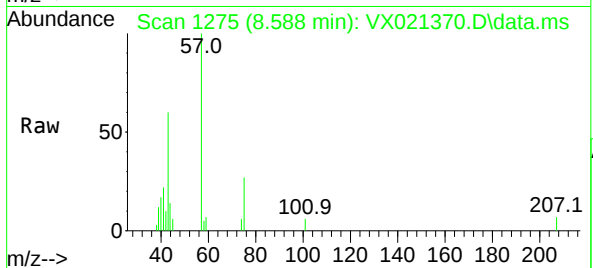
Tgt Ion: 92 Resp: 456
Ion Ratio Lower Upper
92 100
91 160.3 137.1 205.7



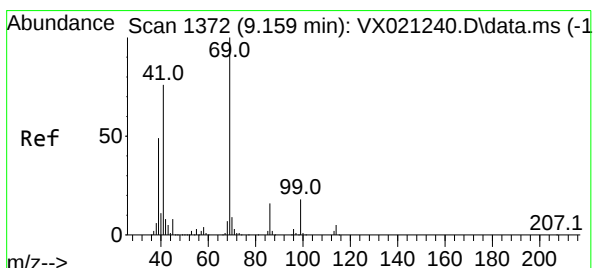
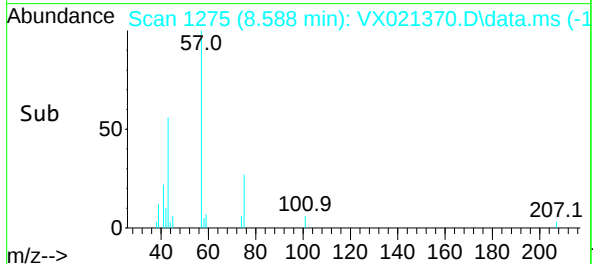
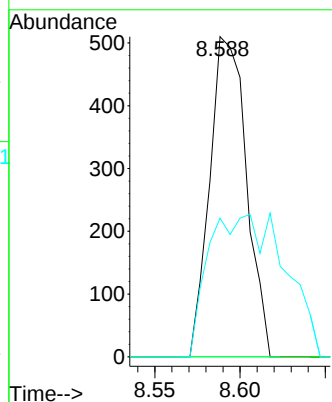


#54
cis-1,3-Dichloropropene
Concen: 0.49 ug/l
RT: 8.588 min Scan# 1275
Delta R.T. 0.176 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :

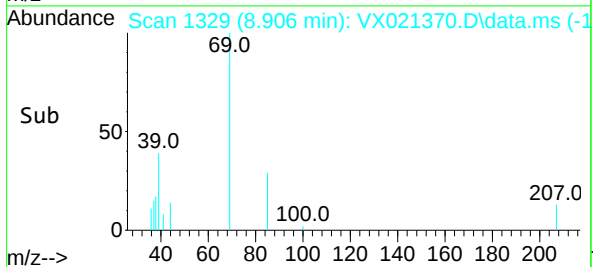
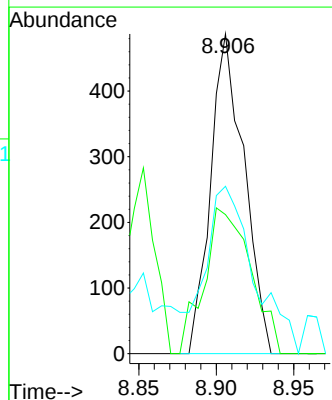
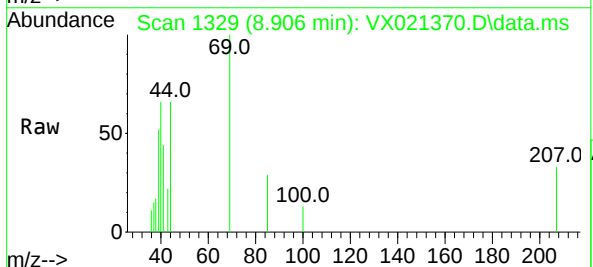


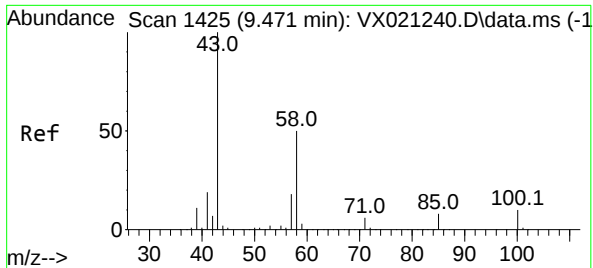
Tgt Ion: 75 Resp: 764
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 43.3 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.51 ug/l
RT: 8.906 min Scan# 1329
Delta R.T. -0.253 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 69 Resp: 731
Ion Ratio Lower Upper
69 100
41 63.3 46.8 70.2
39 73.6 24.7 37.1#

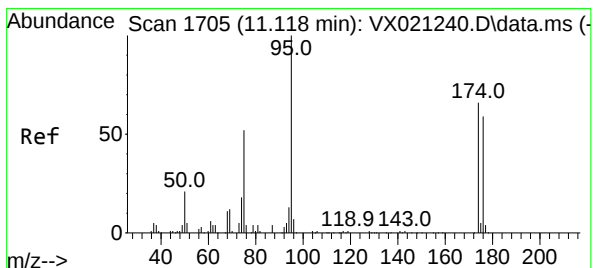
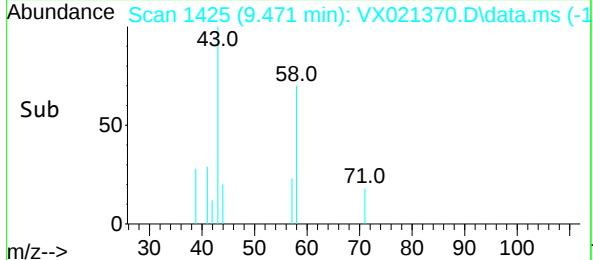
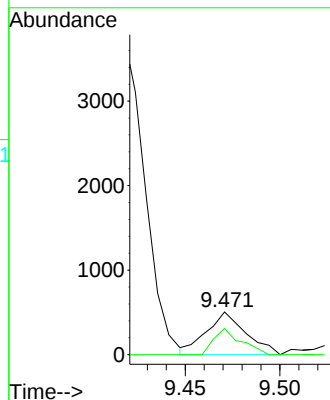
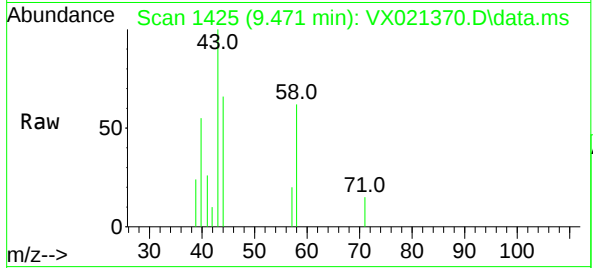




#59
2-Hexanone
Concen: 0.69 ug/l
RT: 9.471 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

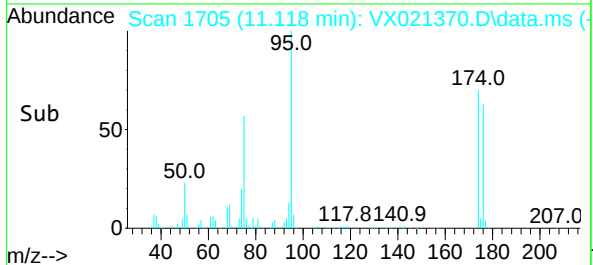
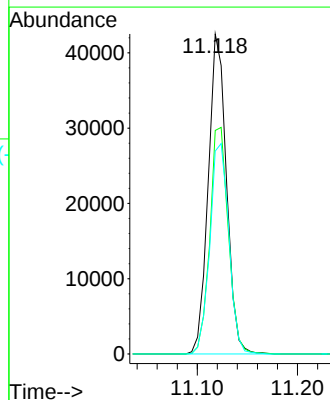
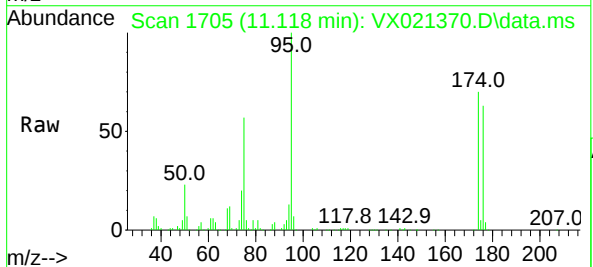
Instrument :
MSVOA_X
ClientSampled :

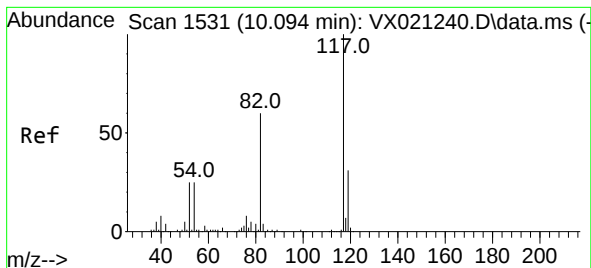
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 42.4 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 44.60 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 95 Resp: 53796
Ion Ratio Lower Upper
95 100
174 72.2 0.0 154.6
176 68.6 0.0 155.8

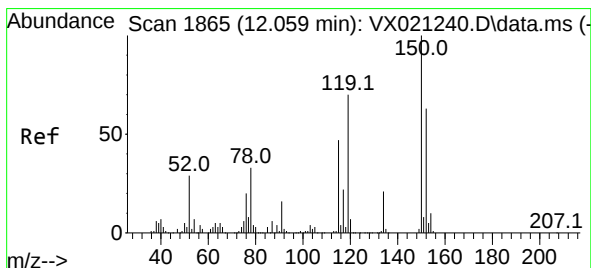
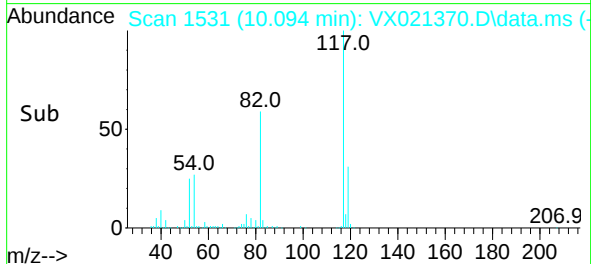
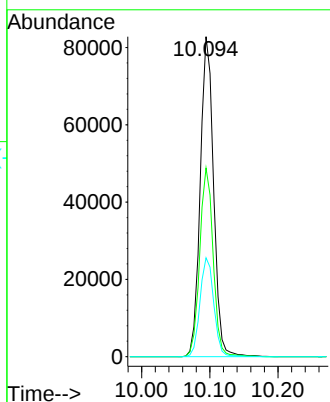
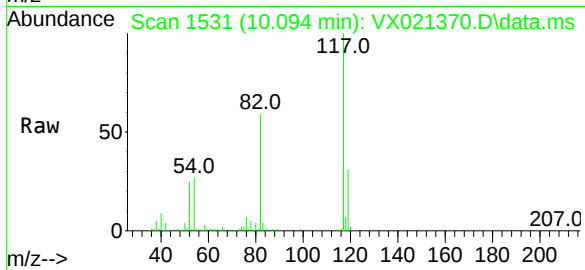




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

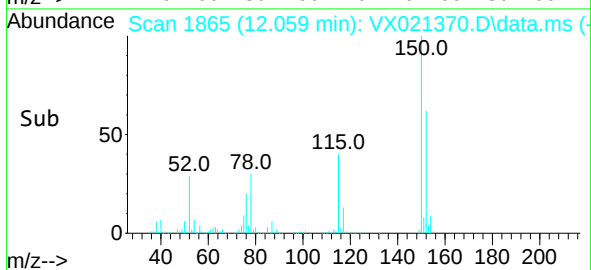
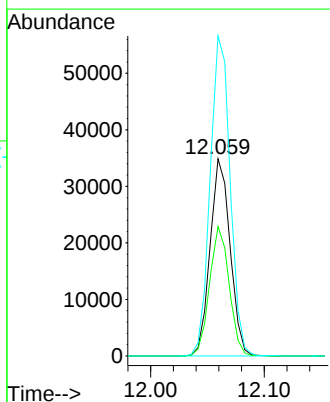
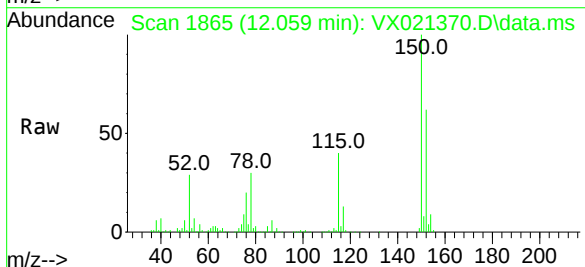
Instrument :
MSVOA_X
ClientSampleId :

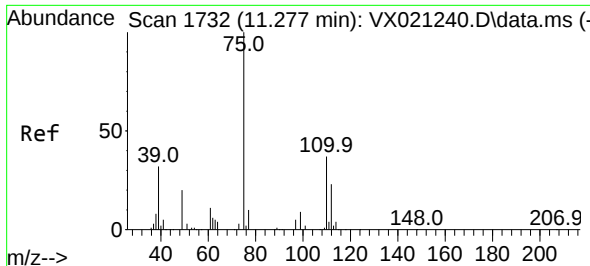
Tgt Ion:117 Resp: 112709
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion:152 Resp: 42787
Ion Ratio Lower Upper
152 100
115 64.1 41.1 123.3
150 161.7 0.0 349.0

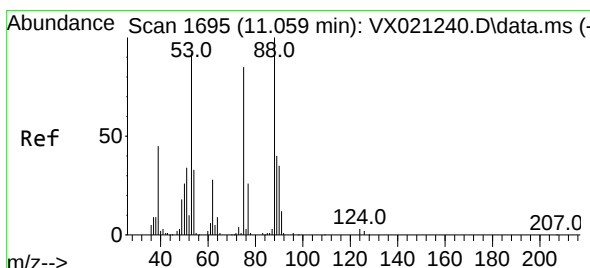
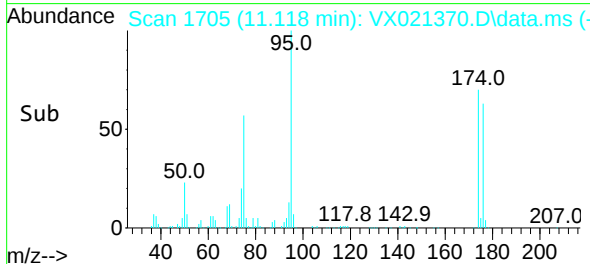
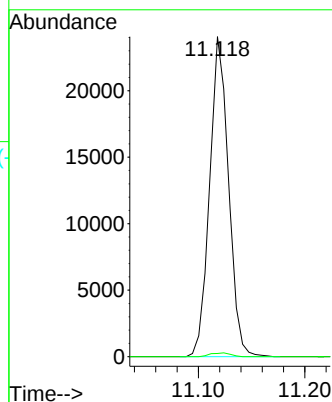
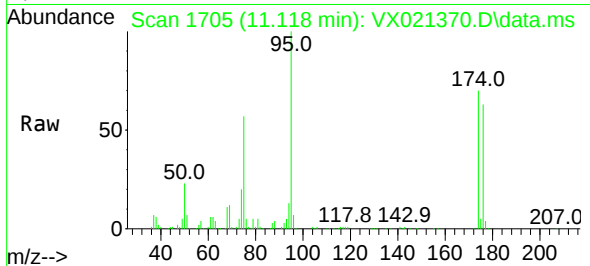




#76
1,2,3-Trichloropropane
Concen: 29.89 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 29665
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.15 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021370.D
Acq: 22 Mar 2021 19:48

Tgt Ion: 75 Resp: 29665
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

