

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021229.D
 Acq On : 16 Mar 2021 03:28
 Operator : JC/MD
 Sample : M1667-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 16 04:44:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

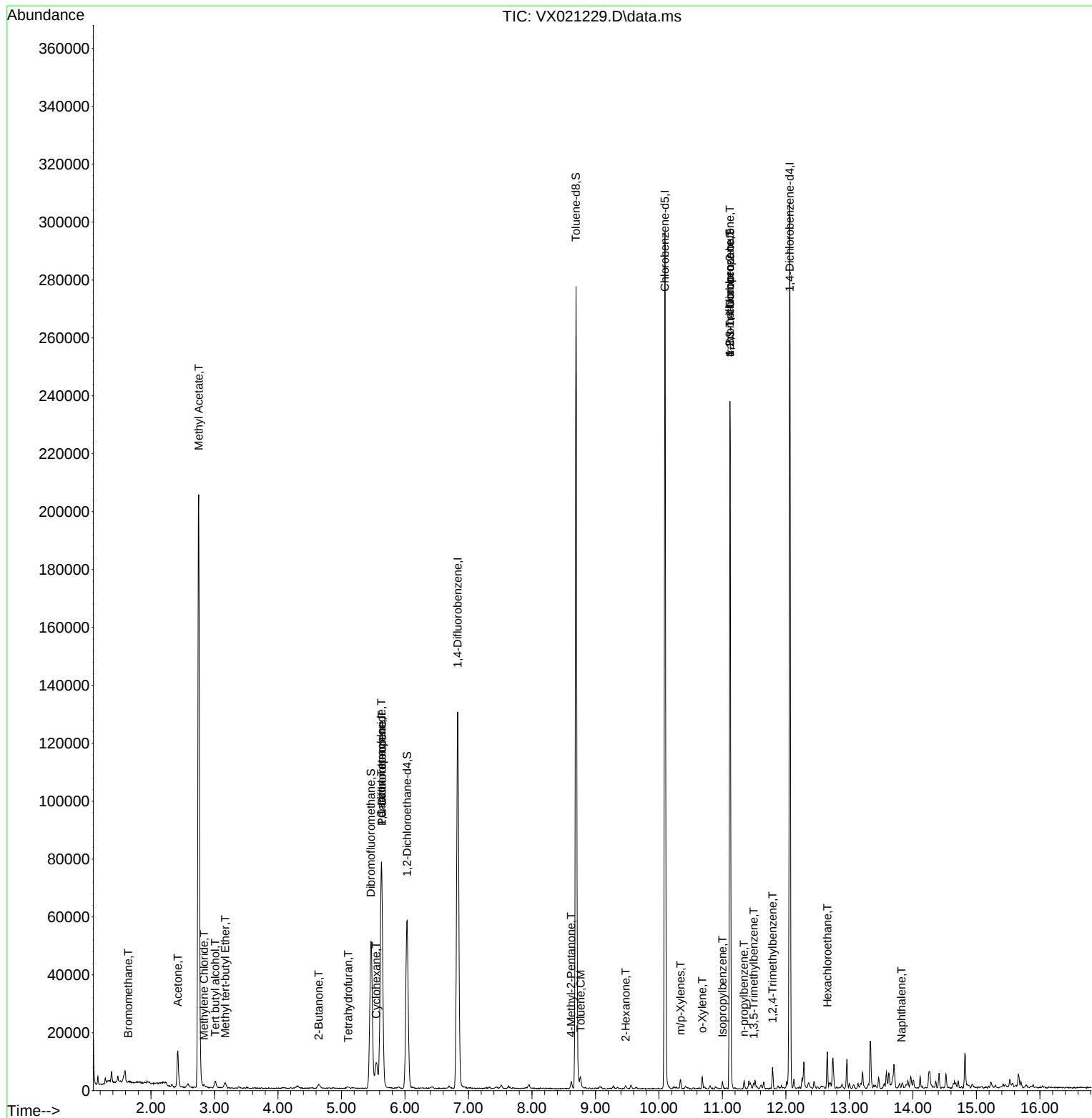
Internal Standards						
1) Pentafluorobenzene	5.635	168	67705	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	121840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	57779	50.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.10%	
35) Dibromofluoromethane	5.464	113	42613	50.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.66%	
50) Toluene-d8	8.694	98	152882	50.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.54%	
62) 4-Bromofluorobenzene	11.118	95	62646	54.59	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 109.18%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.640	94	101	0.20	ug/l #	64
11) Tert butyl alcohol	3.011	59	2383	11.85	ug/l #	93
16) Acetone	2.423	43	13440	28.96	ug/l #	86
18) Methyl Acetate	2.752	43	243413	216.57	ug/l #	88
19) Methyl tert-butyl Ether	3.170	73	1708	0.62	ug/l	94
20) Methylene Chloride	2.834	84	202	0.23	ug/l #	83
25) 2-Butanone	4.641	43	2422	3.63	ug/l #	87
29) Tetrahydrofuran	5.105	42	301	0.70	ug/l #	27
31) Cyclohexane	5.547	56	5552	3.80	ug/l #	89
36) 1,1-Dichloropropene	5.635	75	6146	4.81	ug/l #	49
38) Carbon Tetrachloride	5.629	117	7430	5.30	ug/l #	16
51) 4-Methyl-2-Pentanone	8.617	43	1656	1.23	ug/l #	85
52) Toluene	8.765	92	911	0.42	ug/l	90
59) 2-Hexanone	9.476	43	822	0.81	ug/l	75
68) m/p-Xylenes	10.341	106	742	0.46	ug/l	94
69) o-Xylene	10.682	106	686	0.44	ug/l	88
73) Isopropylbenzene	11.000	105	1089	0.26	ug/l	92
76) 1,2,3-Trichloropropane	11.118	75	35530	26.15	ug/l #	39
78) n-propylbenzene	11.341	91	1696	0.35	ug/l	90
80) 1,3,5-Trimethylbenzene	11.494	105	850	0.24	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.118	75	35530	74.22	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.789	105	2009	0.56	ug/l	92
90) Hexachloroethane	12.653	117	600	0.89	ug/l #	9
95) Naphthalene	13.818	128	530	1.59	ug/l #	69

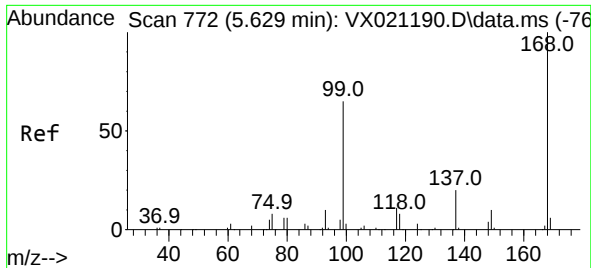
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Mar 16 04:44:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 15 11:55:59 2021
Response via : Initial Calibration

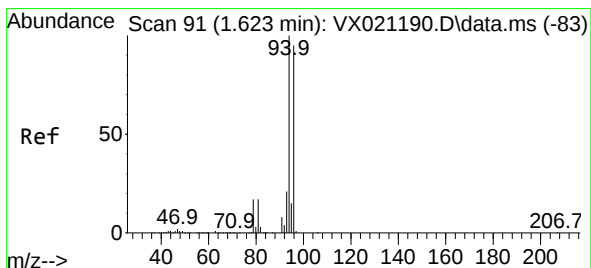
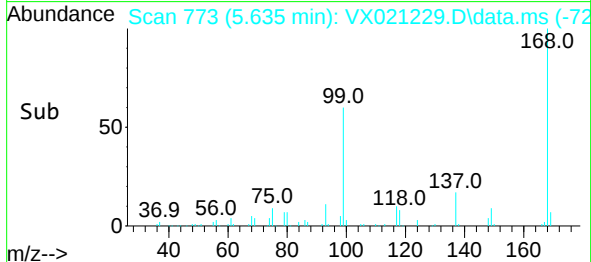
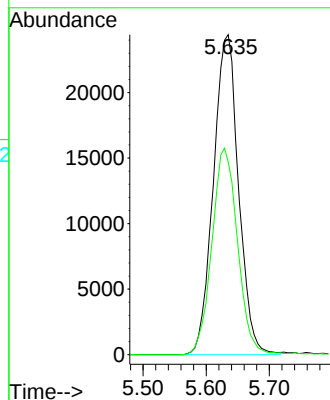
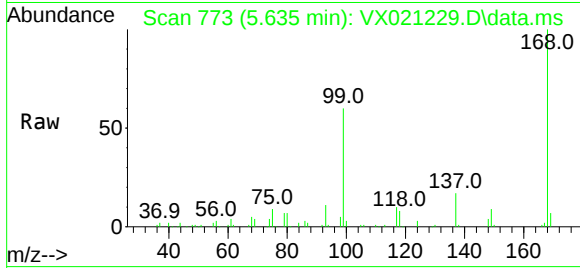




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

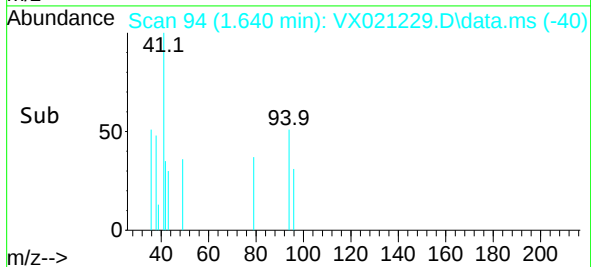
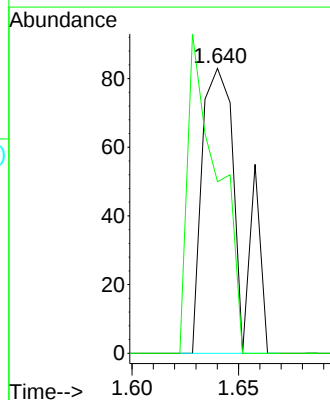
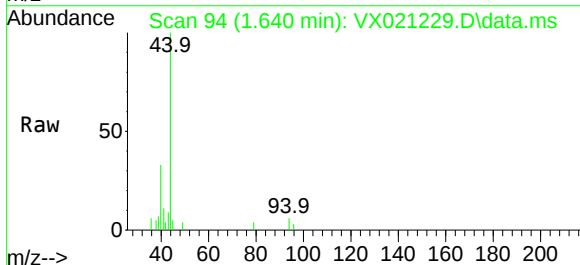
Instrument :
MSVOA_X
ClientSampleId :

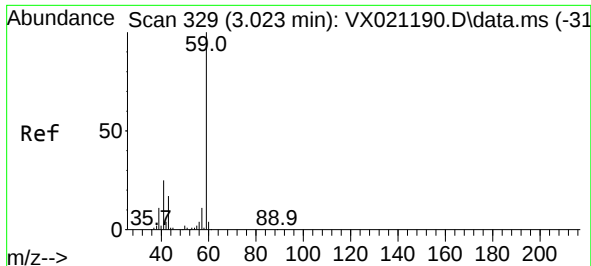
Tgt Ion:168 Resp: 67705
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#5
Bromomethane
Concen: 0.20 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 60.2 76.4 114.6#



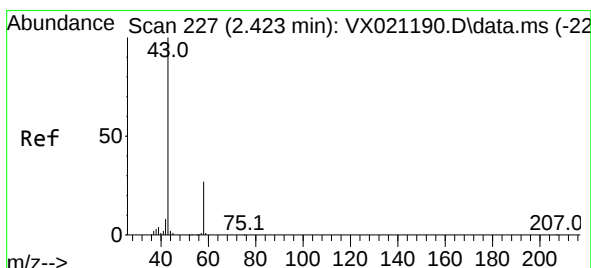
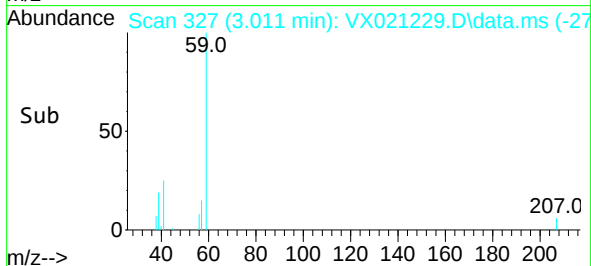
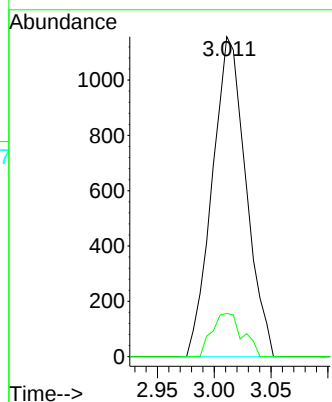
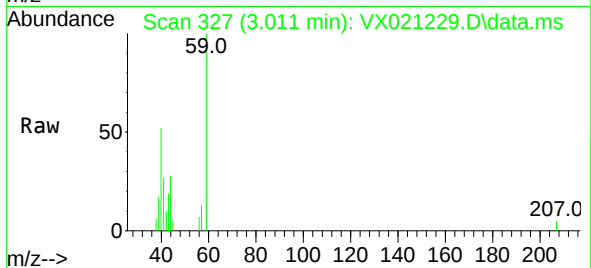


#11

Tert butyl alcohol
Concen: 11.85 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Instrument :
MSVOA_X
ClientSampled :

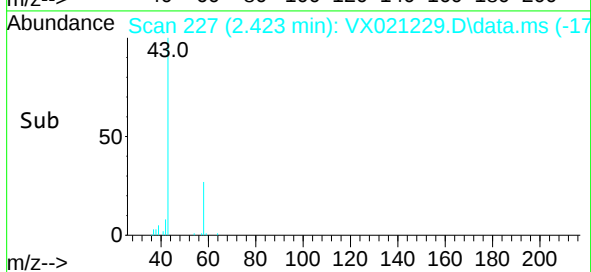
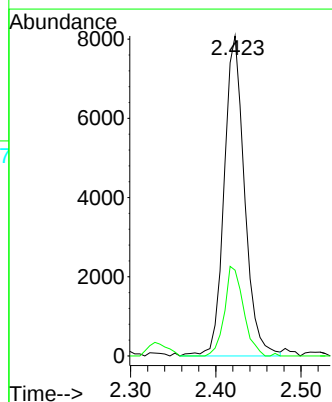
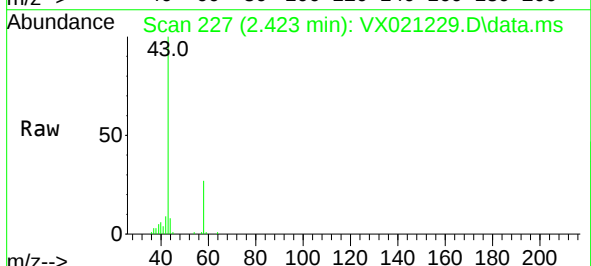
Tgt Ion: 59 Resp: 2383
Ion Ratio Lower Upper
59 100
57 12.3 7.8 11.8#

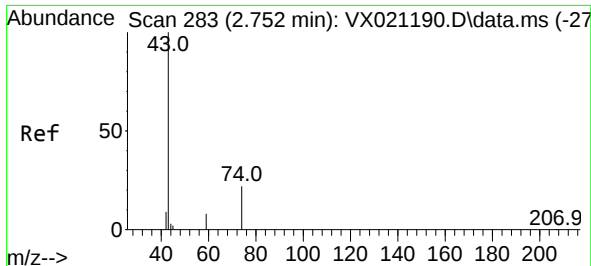


#16

Acetone
Concen: 28.96 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 43 Resp: 13440
Ion Ratio Lower Upper
43 100
58 26.8 27.8 41.8#

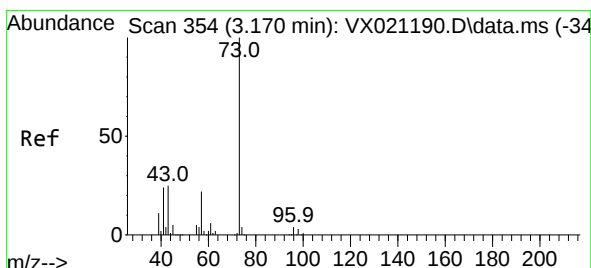
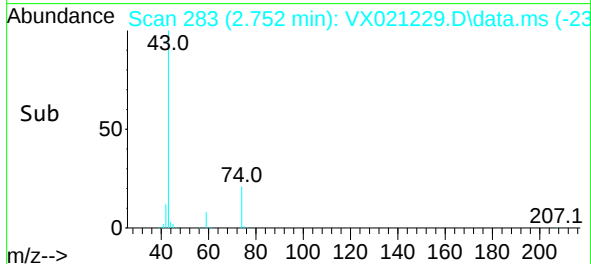
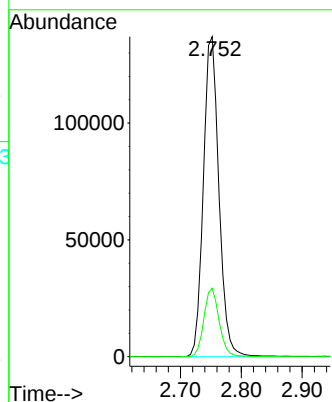
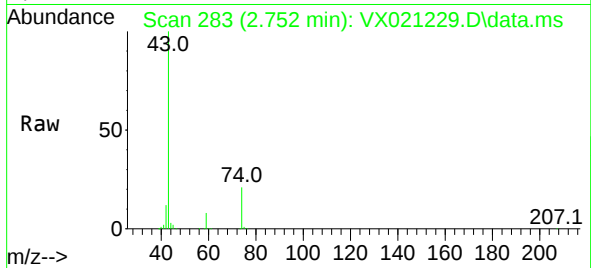




#18
Methyl Acetate
Concen: 216.57 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

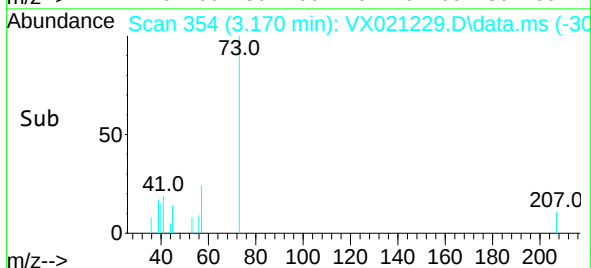
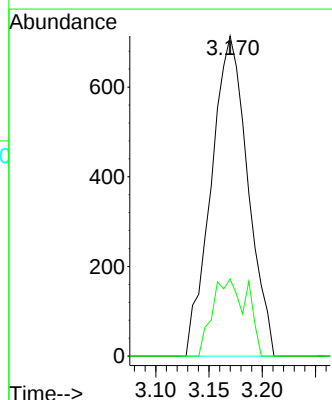
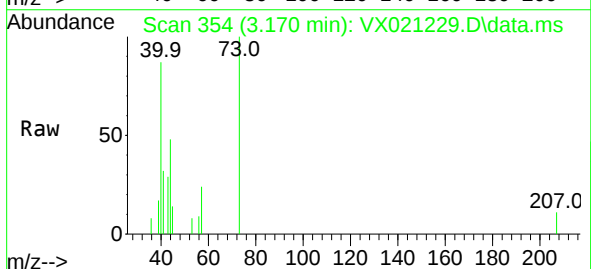
Instrument :
MSVOA_X
ClientSampled :

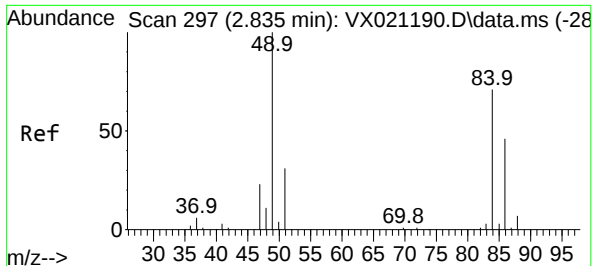
Tgt Ion: 43 Resp: 243413
Ion Ratio Lower Upper
43 100
74 20.9 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.62 ug/l
RT: 3.170 min Scan# 354
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

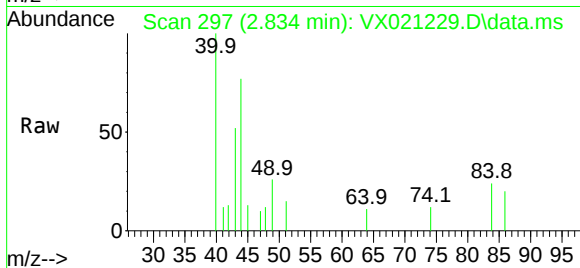
Tgt Ion: 73 Resp: 1708
Ion Ratio Lower Upper
73 100
57 24.1 17.1 25.7





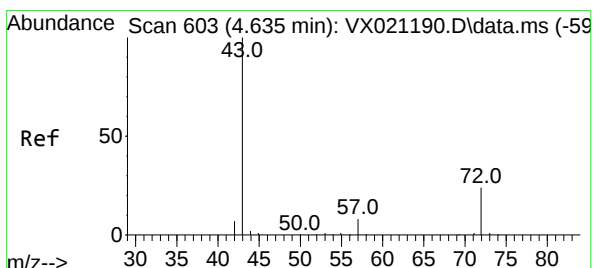
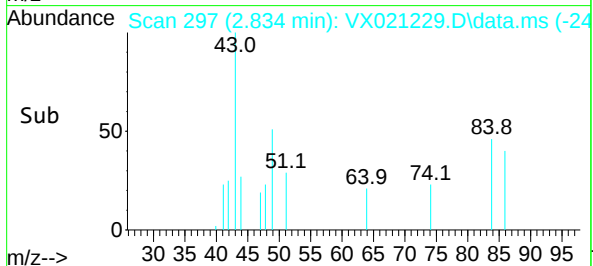
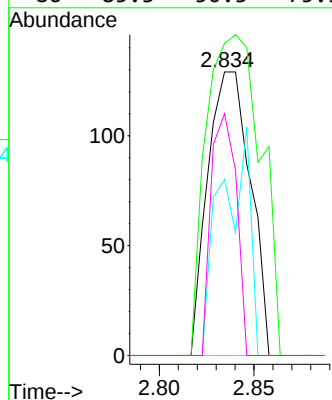
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 202

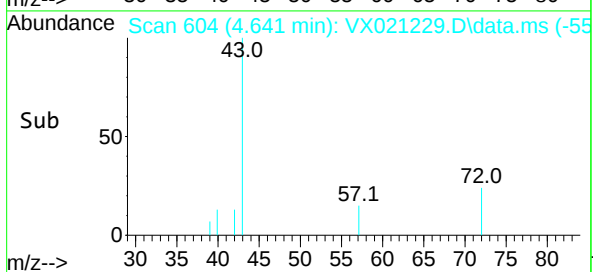
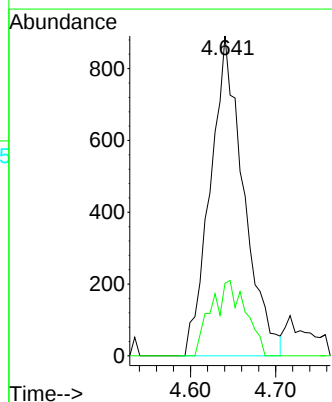
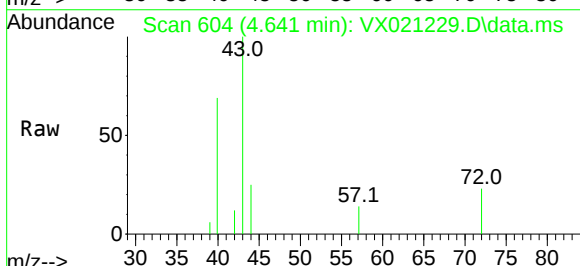
Ion	Ratio	Lower	Upper
84	100		
49	110.1	88.6	132.8
51	62.0	27.0	40.6#
86	85.3	50.3	75.5#

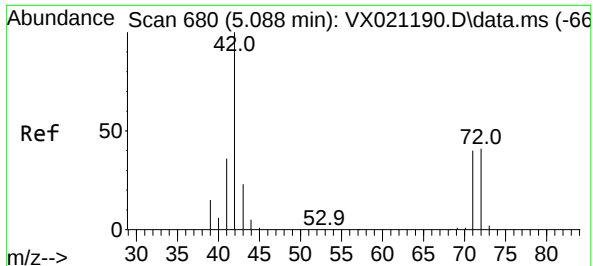


#25
2-Butanone
Concen: 3.63 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 43 Resp: 2422

Ion	Ratio	Lower	Upper
43	100		
72	22.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.105 min Scan# 683

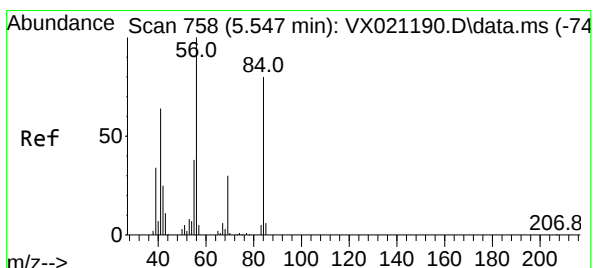
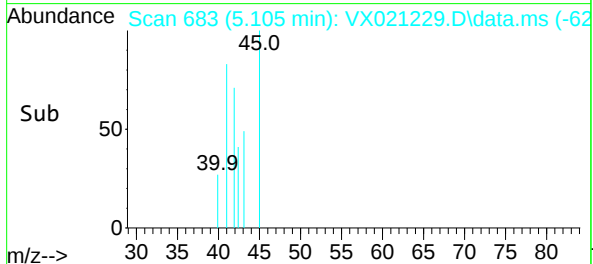
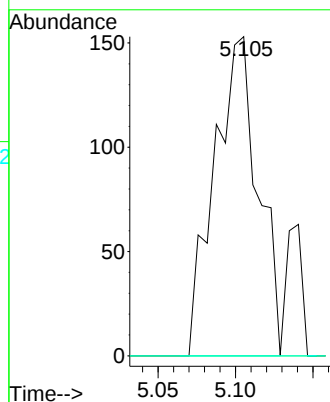
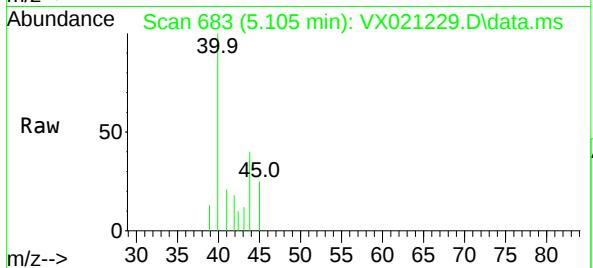
Delta R.T. 0.018 min

Lab File: VX021229.D

Acq: 16 Mar 2021 03:28

Tgt Ion: 42	Resp: 301
Ion Ratio	Lower Upper
42	100
72	0.0 41.7 62.5#
71	0.0 38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 3.80 ug/l

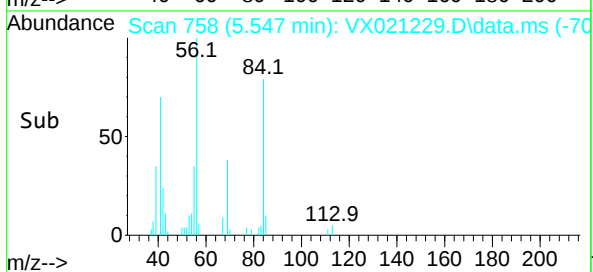
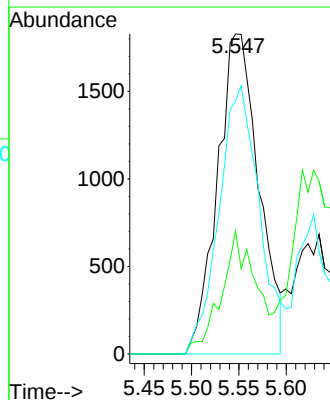
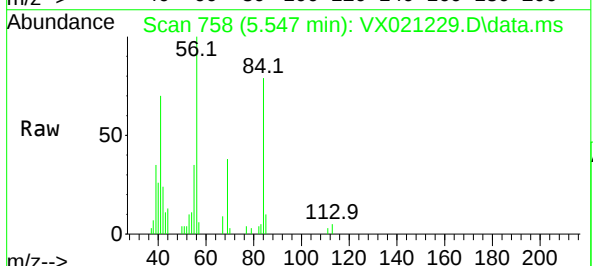
RT: 5.547 min Scan# 758

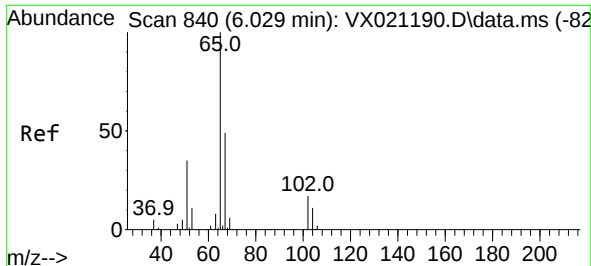
Delta R.T. -0.000 min

Lab File: VX021229.D

Acq: 16 Mar 2021 03:28

Tgt Ion: 56	Resp: 5552
Ion Ratio	Lower Upper
56	100
69	38.5 25.3 37.9#
84	79.1 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 50.05 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021229.D

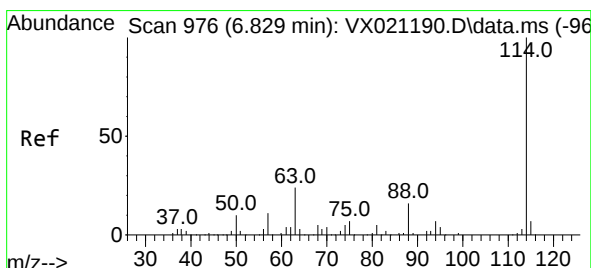
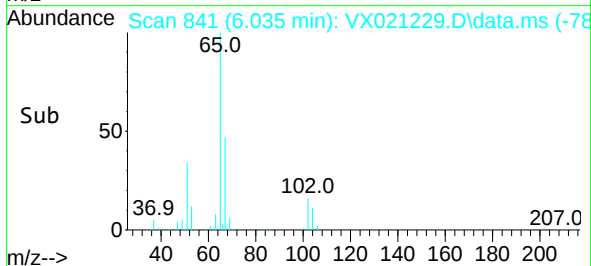
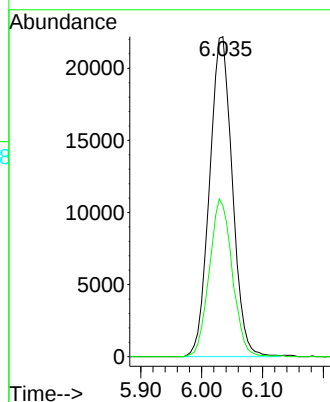
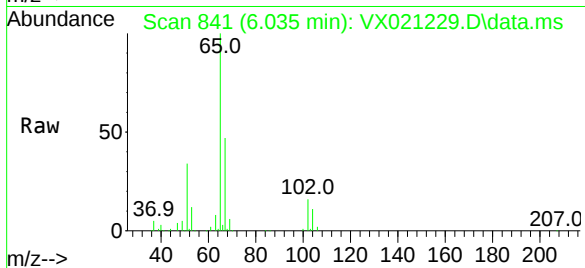
Acq: 16 Mar 2021 03:28

Tgt Ion: 65 Resp: 57779

Ion Ratio Lower Upper

65 100

67 49.5 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: VX021229.D

Acq: 16 Mar 2021 03:28

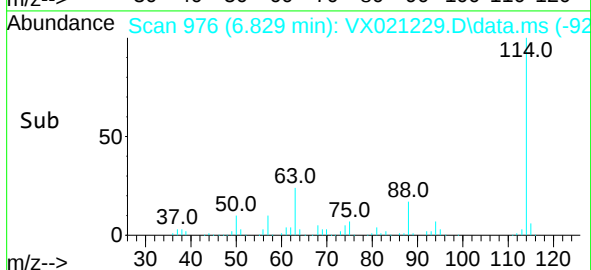
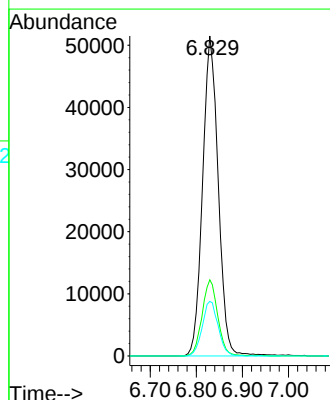
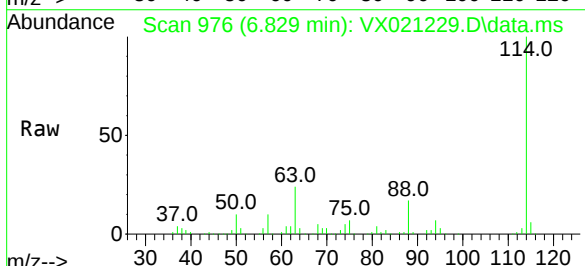
Tgt Ion: 114 Resp: 121840

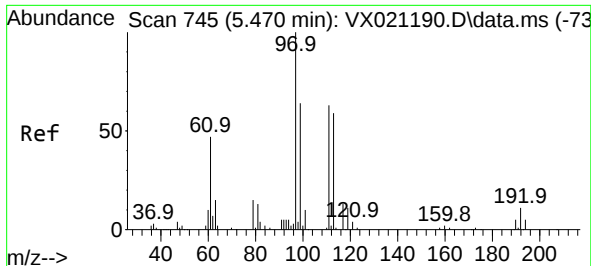
Ion Ratio Lower Upper

114 100

63 23.8 0.0 40.8

88 17.1 0.0 32.8

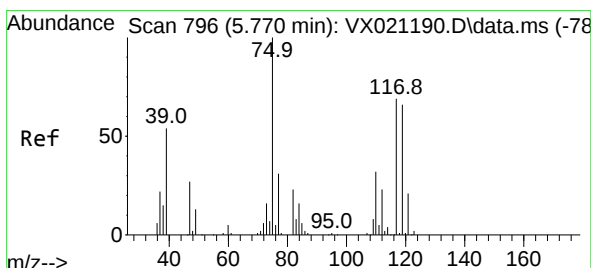
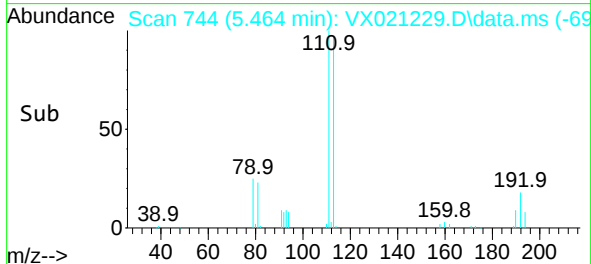
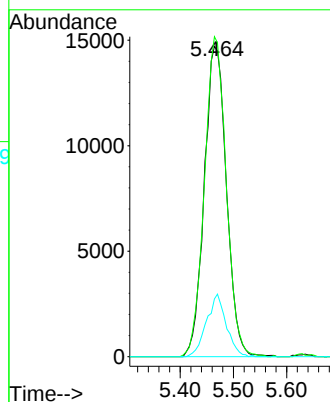
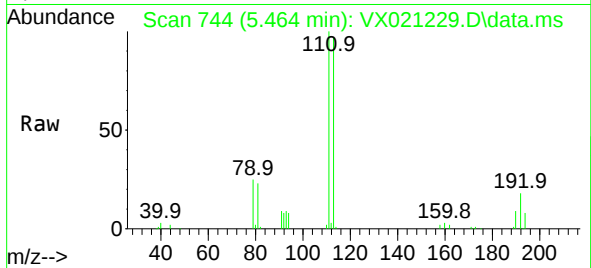




#35
Dibromofluoromethane
Concen: 50.83 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

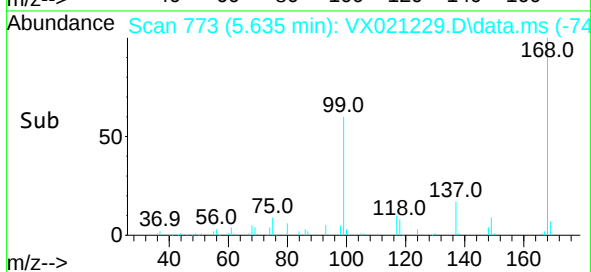
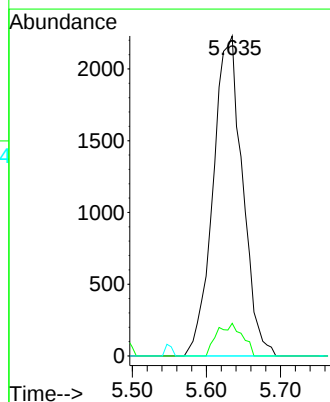
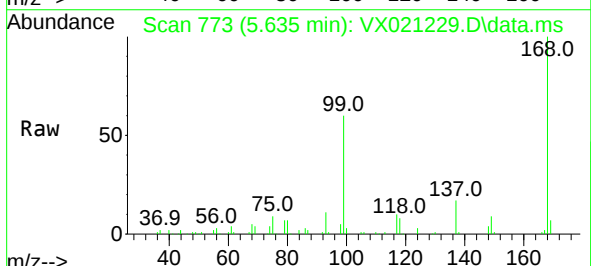
Instrument :
MSVOA_X
ClientSampleId :

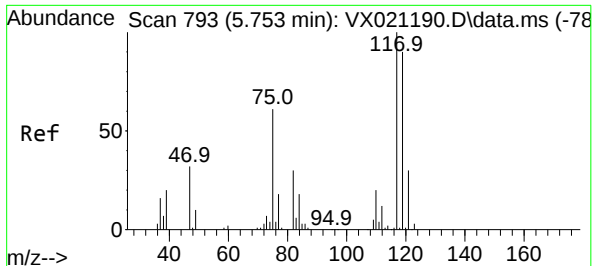
Tgt Ion:113 Resp: 42613
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 18.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

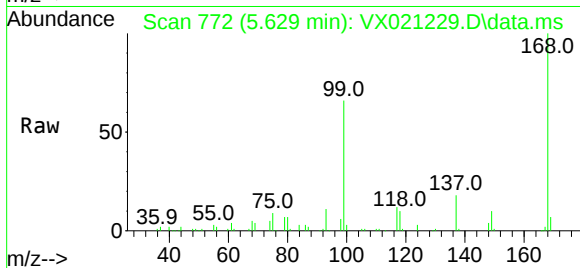
Tgt Ion: 75 Resp: 6146
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



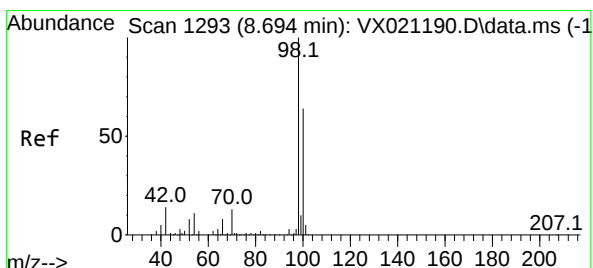
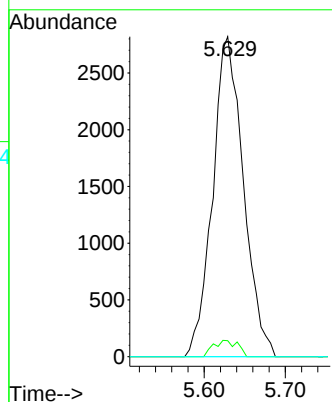
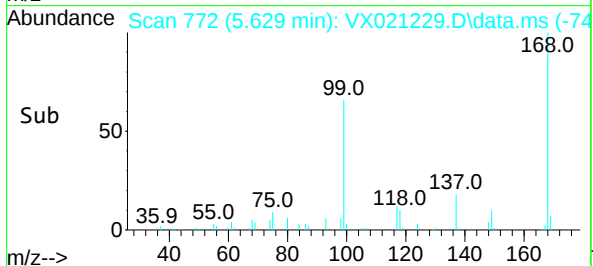


#38
Carbon Tetrachloride
Concen: 5.30 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

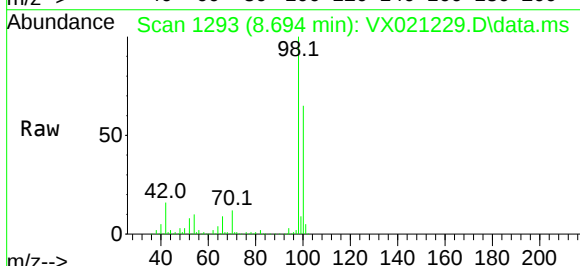
Instrument :
MSVOA_X
ClientSampled :



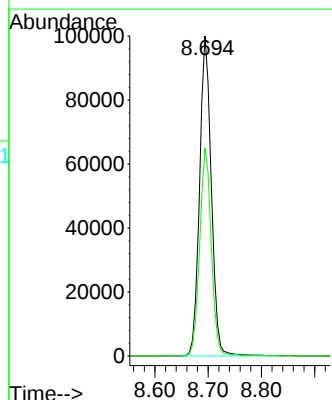
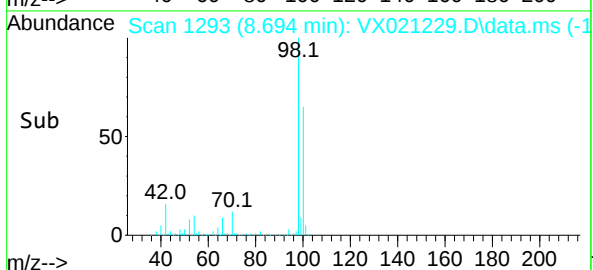
Tgt Ion:117 Resp: 7430
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

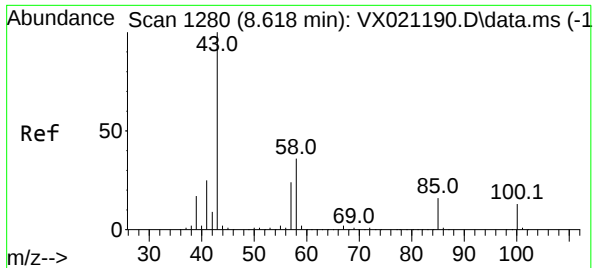


#50
Toluene-d8
Concen: 50.77 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28



Tgt Ion: 98 Resp: 152882
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

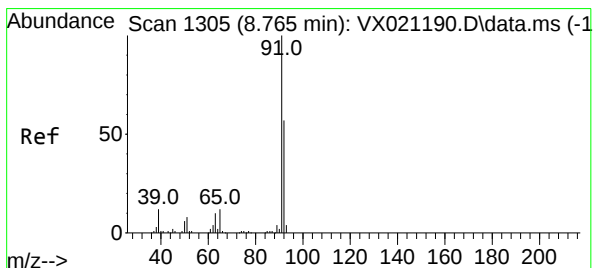
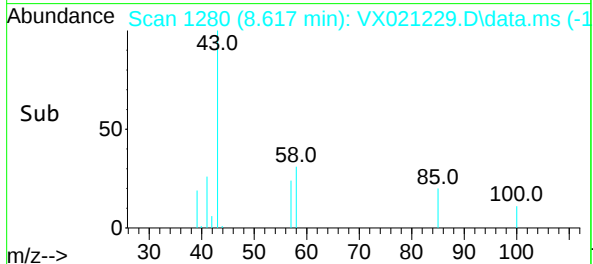
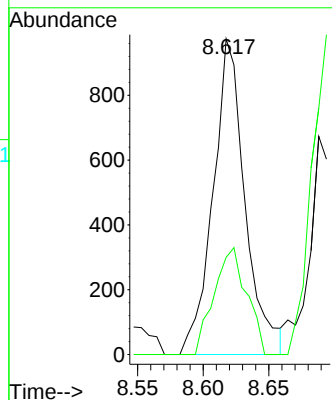
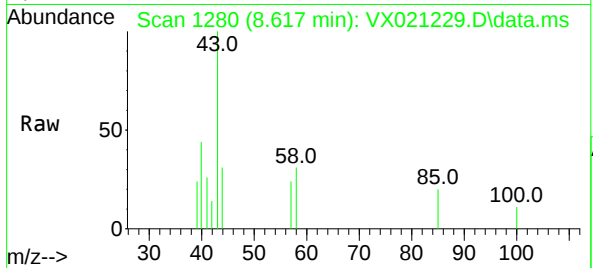




#51
4-Methyl-2-Pentanone
Concen: 1.23 ug/l
RT: 8.617 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

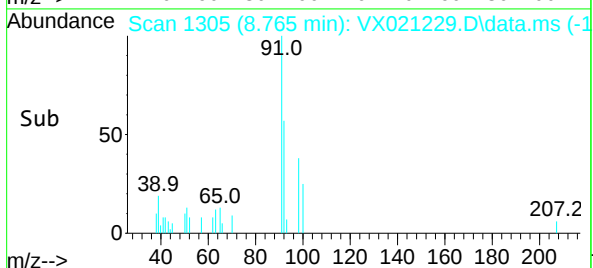
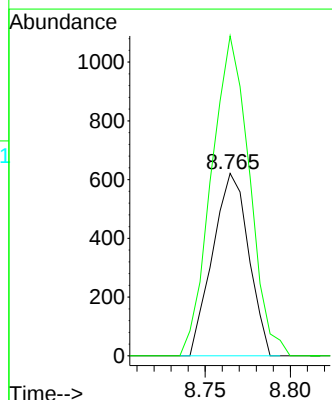
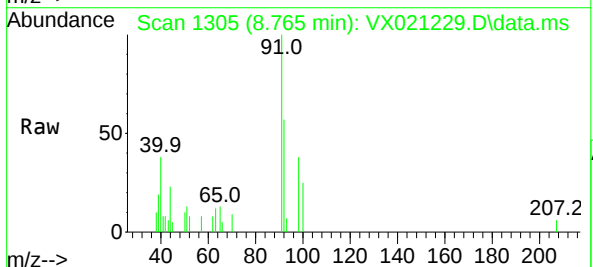
Instrument :
MSVOA_X
ClientSampled :

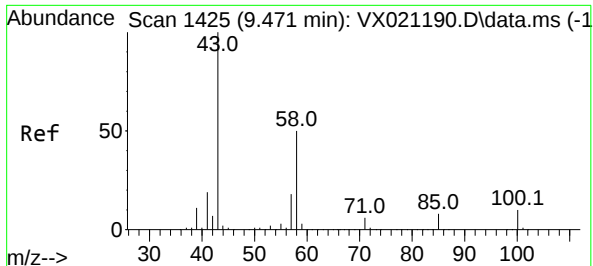
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 34.4 35.4 53.0#



#52
Toluene
Concen: 0.42 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 92 Resp: 911
Ion Ratio Lower Upper
92 100
91 185.4 137.1 205.7

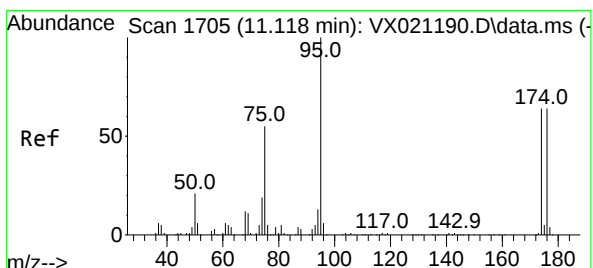
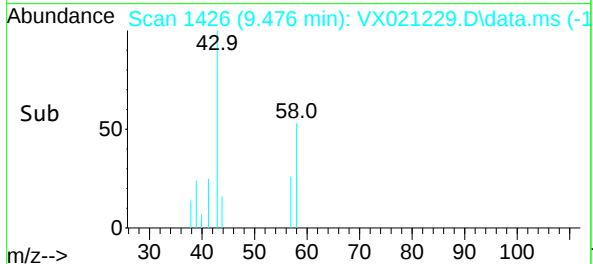
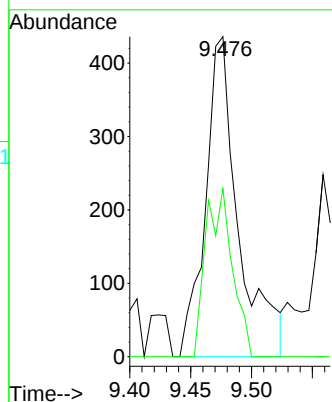
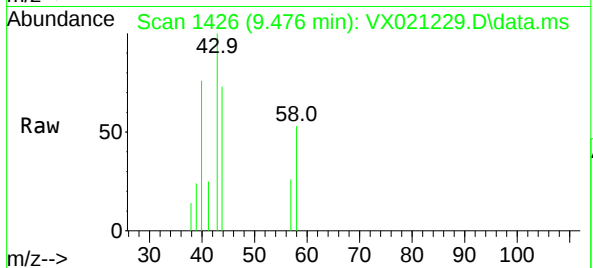




#59
2-Hexanone
Concen: 0.81 ug/l
RT: 9.476 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

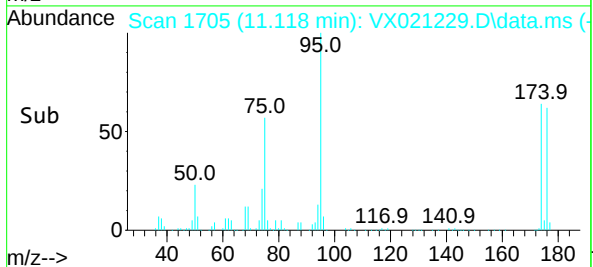
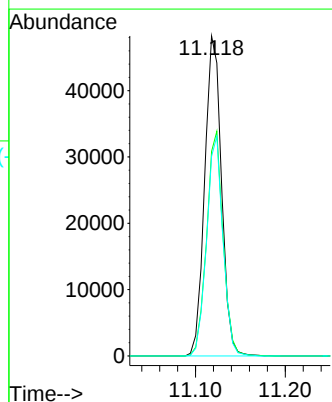
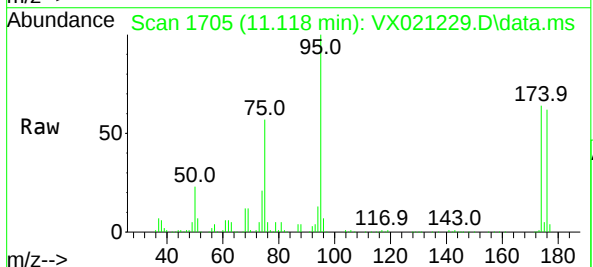
Instrument :
MSVOA_X
ClientSampled :

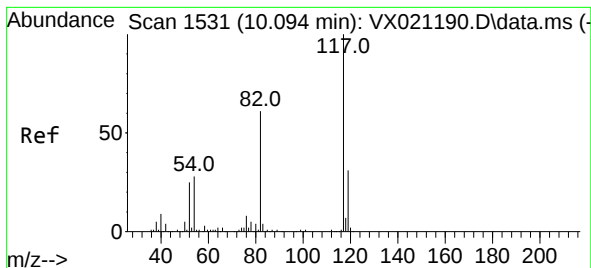
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 42.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 54.59 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 95 Resp: 62646
Ion Ratio Lower Upper
95 100
174 68.7 0.0 154.6
176 66.6 0.0 155.8

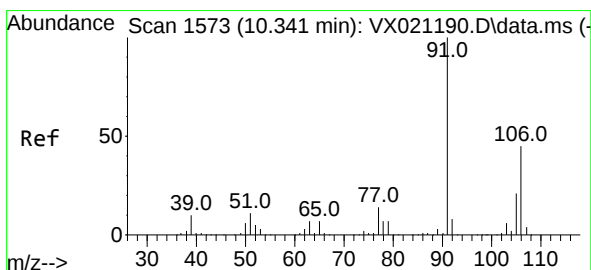
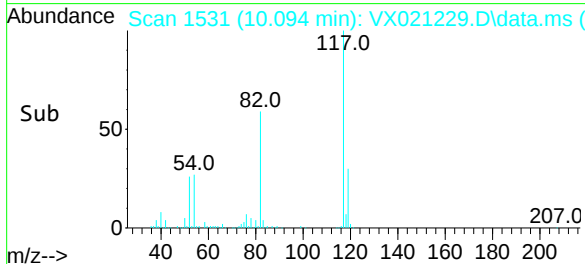
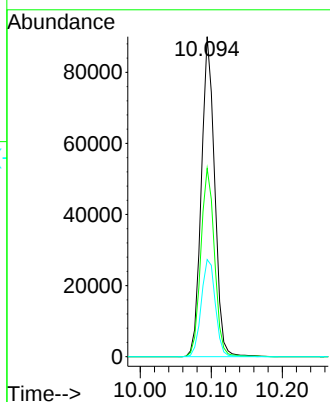
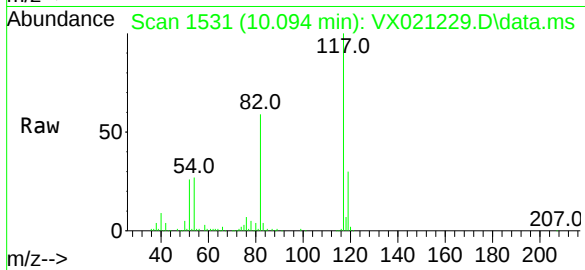




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

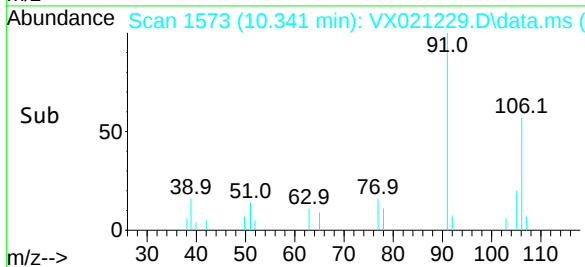
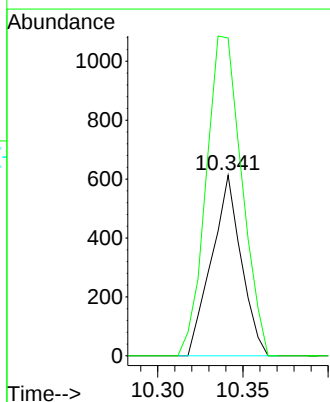
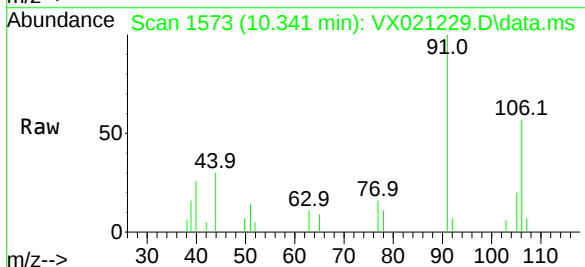
Instrument :
MSVOA_X
ClientSampled :

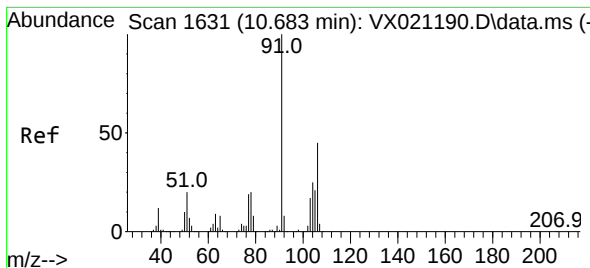
Tgt Ion:117 Resp: 117752
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 30.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.46 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion:106 Resp: 742
Ion Ratio Lower Upper
106 100
91 213.1 162.8 244.2

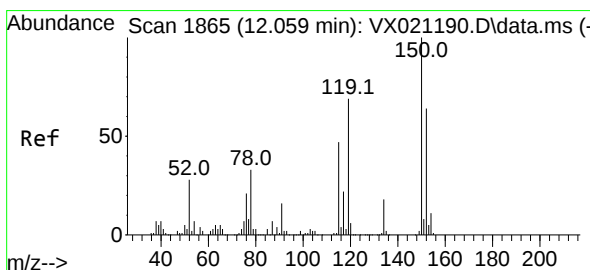
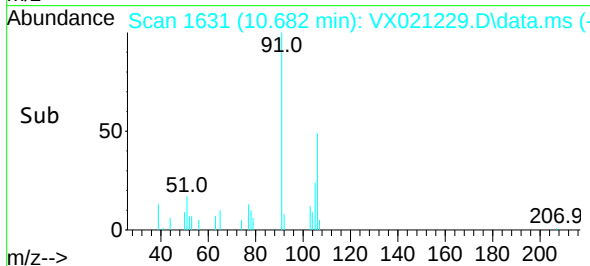
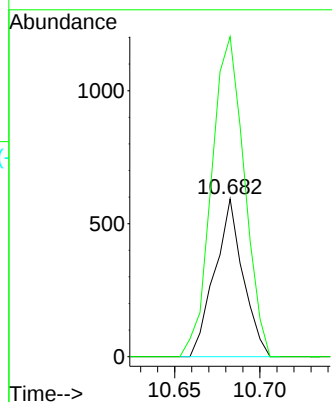
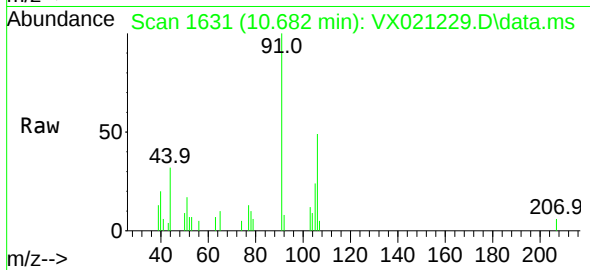




#69
o-Xylene
Concen: 0.44 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

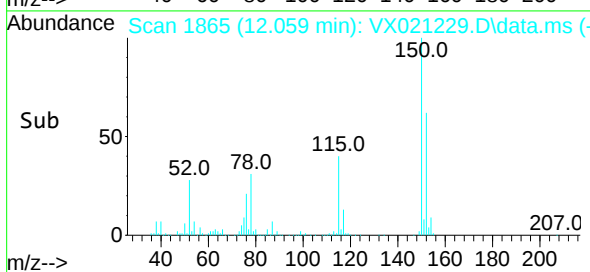
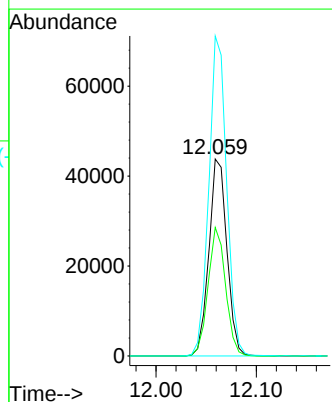
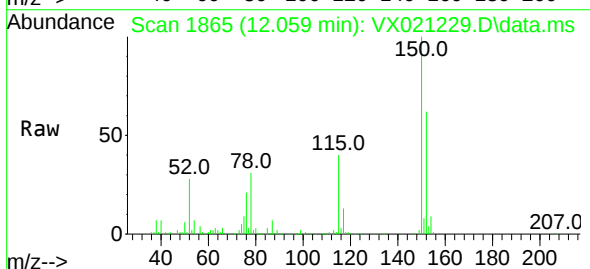
Instrument :
MSVOA_X
ClientSampled :

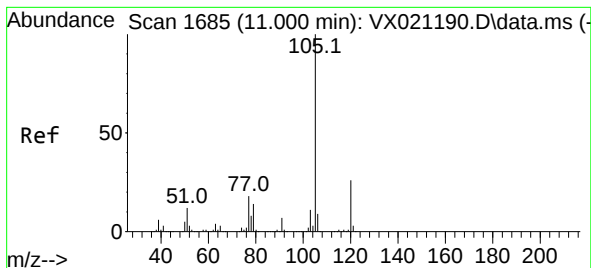
Tgt Ion:106 Resp: 686
Ion Ratio Lower Upper
106 100
91 234.7 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion:152 Resp: 54797
Ion Ratio Lower Upper
152 100
115 63.5 41.1 123.3
150 160.5 0.0 349.0





#73

Isopropylbenzene

Concen: 0.26 ug/l

RT: 11.000 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX021229.D

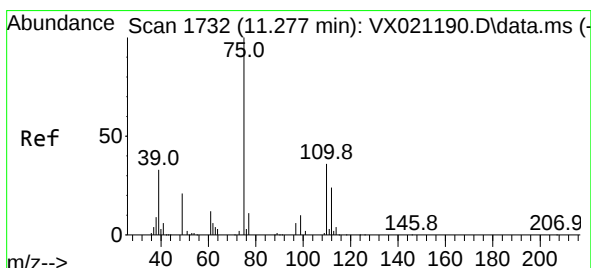
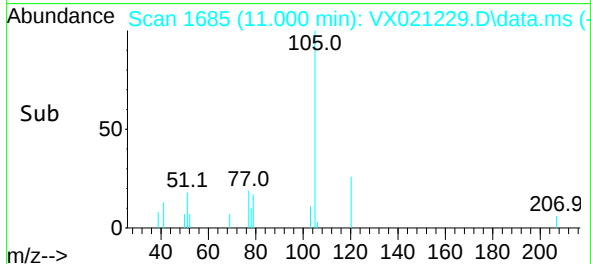
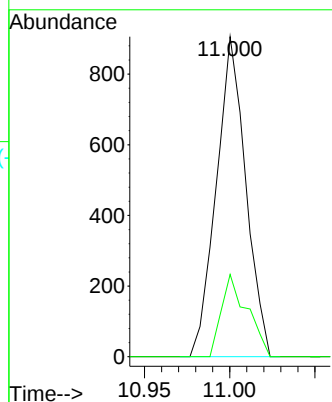
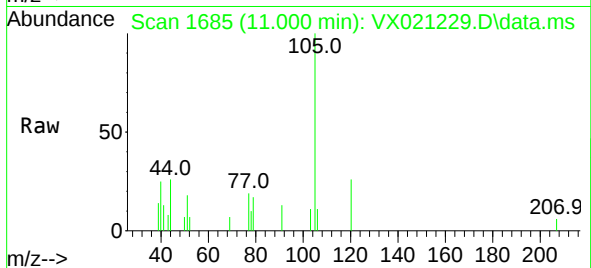
Acq: 16 Mar 2021 03:28

Tgt Ion:105 Resp: 1089

Ion Ratio Lower Upper

105 100

120 22.4 13.2 39.6



#76

1,2,3-Trichloropropane

Concen: 26.15 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. -0.159 min

Lab File: VX021229.D

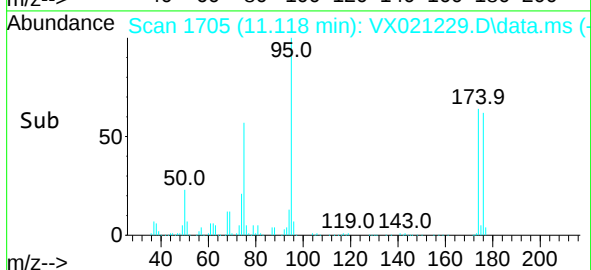
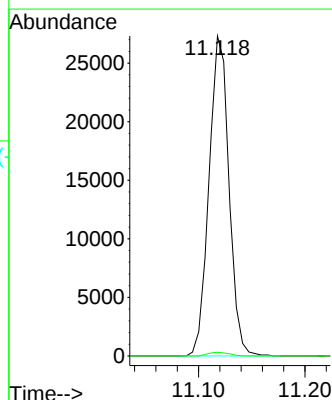
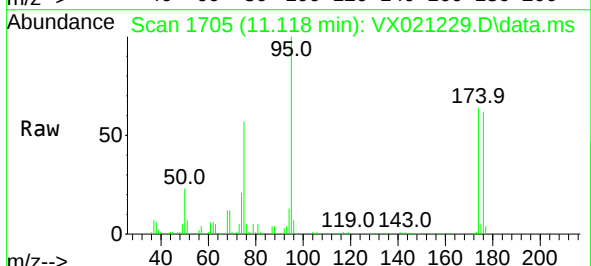
Acq: 16 Mar 2021 03:28

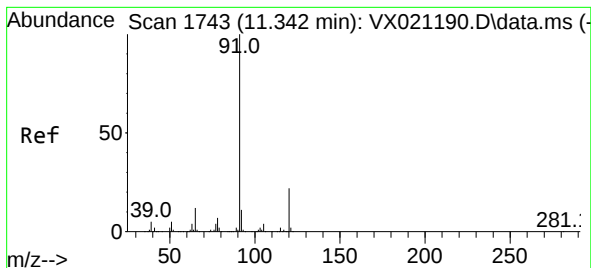
Tgt Ion: 75 Resp: 35530

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

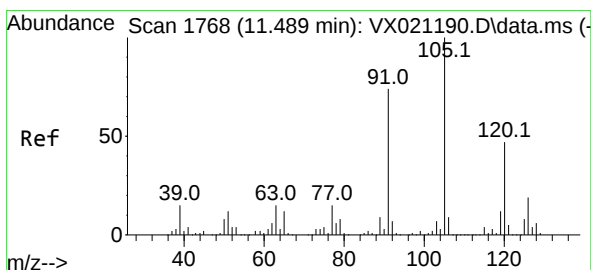
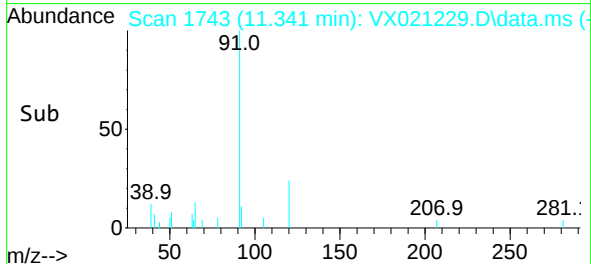
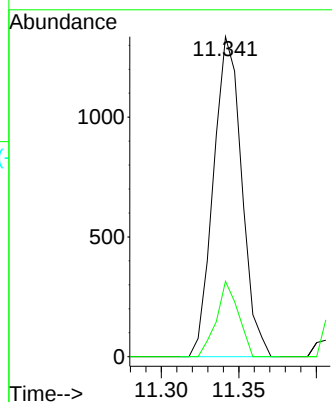
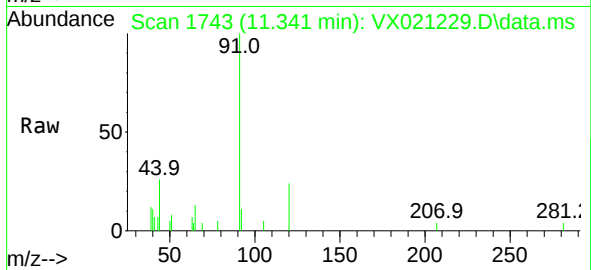




#78
n-propylbenzene
Concen: 0.35 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

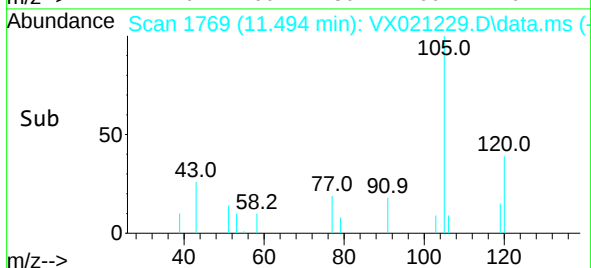
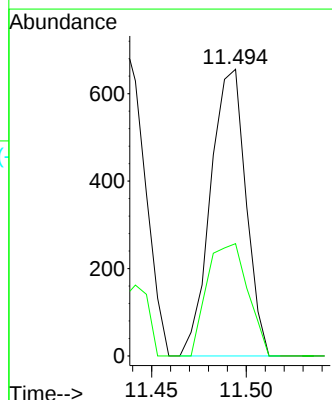
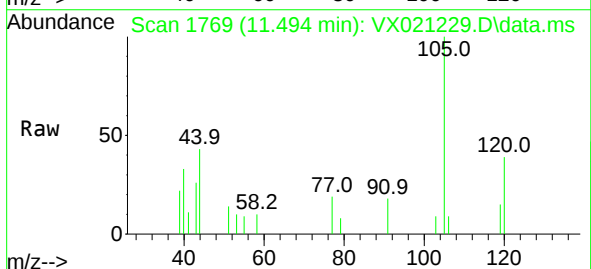
Instrument :
MSVOA_X
ClientSampled :

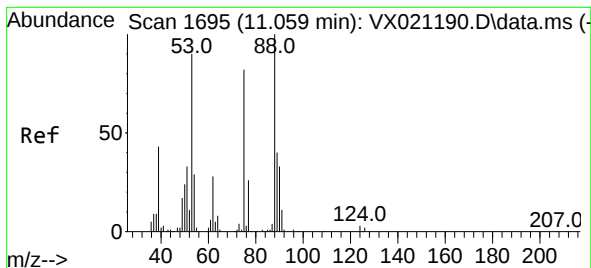
Tgt Ion: 91 Resp: 1696
Ion Ratio Lower Upper
91 100
120 18.1 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 0.24 ug/l
RT: 11.494 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

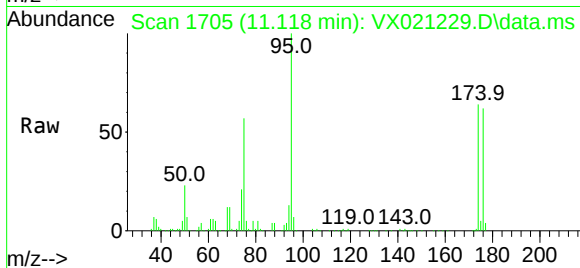
Tgt Ion: 105 Resp: 850
Ion Ratio Lower Upper
105 100
120 45.3 23.8 71.5



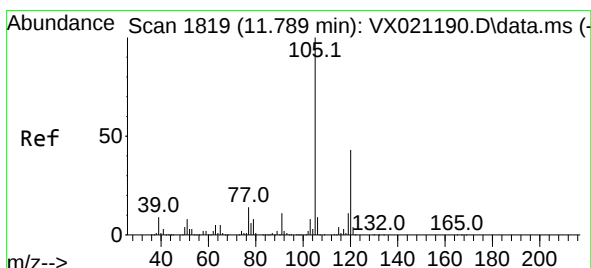
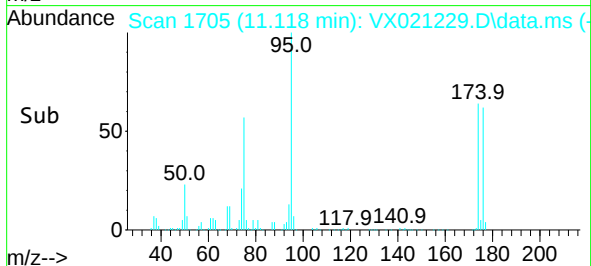
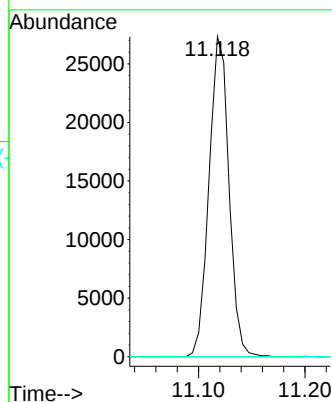


#81
trans-1,4-Dichloro-2-butene
Concen: 74.22 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Instrument :
MSVOA_X
ClientSampleId :

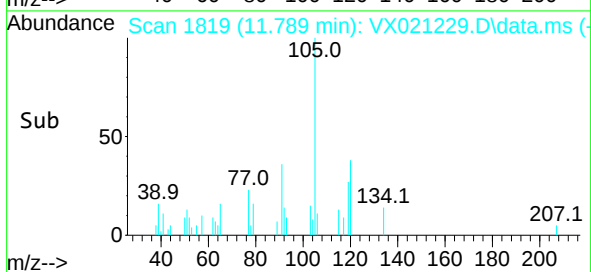
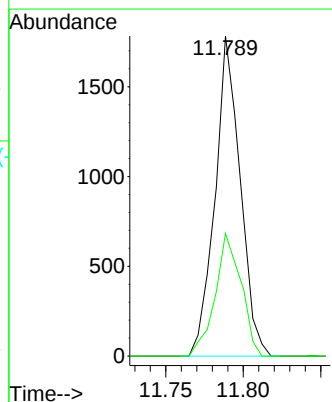
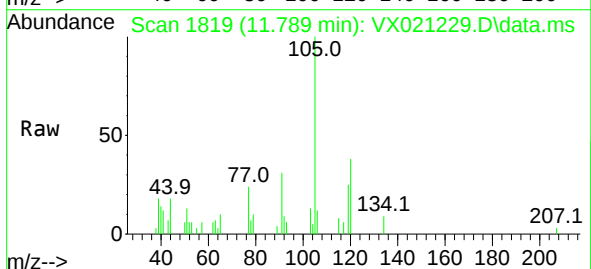


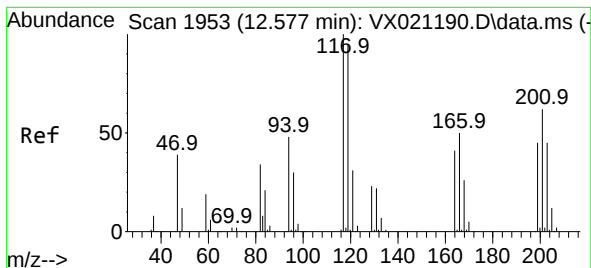
Tgt Ion: 75 Resp: 35530
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.56 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion: 105 Resp: 2009
Ion Ratio Lower Upper
105 100
120 39.5 22.4 67.3

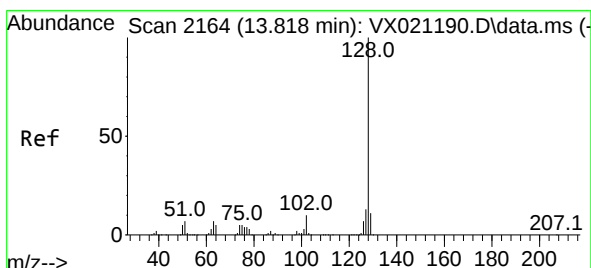
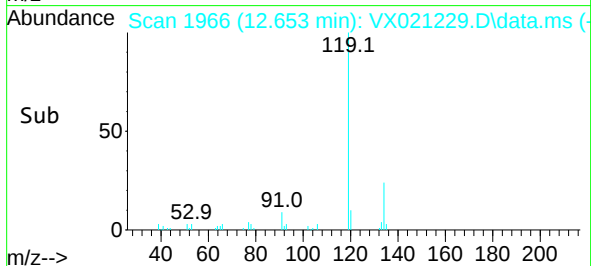
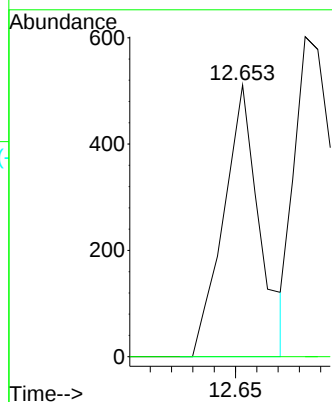
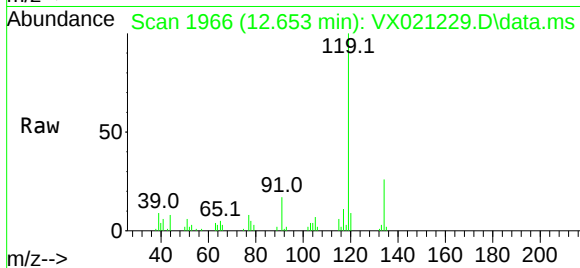




#90
Hexachloroethane
Concen: 0.89 ug/l
RT: 12.653 min Scan# 1966
Delta R.T. 0.076 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 600
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.59 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021229.D
Acq: 16 Mar 2021 03:28

Tgt Ion:128 Resp: 530
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

