

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122820\
 Data File : VX020419.D
 Acq On : 28 Dec 2020 17:44
 Operator : JC/MD
 Sample : L5227-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 00:42:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	271222	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	444588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	404918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	190230	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	164842	45.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.68%
35) Dibromofluoromethane	5.464	113	136217	47.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.80%
50) Toluene-d8	8.696	98	538832	49.22	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.44%
62) 4-Bromofluorobenzene	11.122	95	202248	48.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.54%

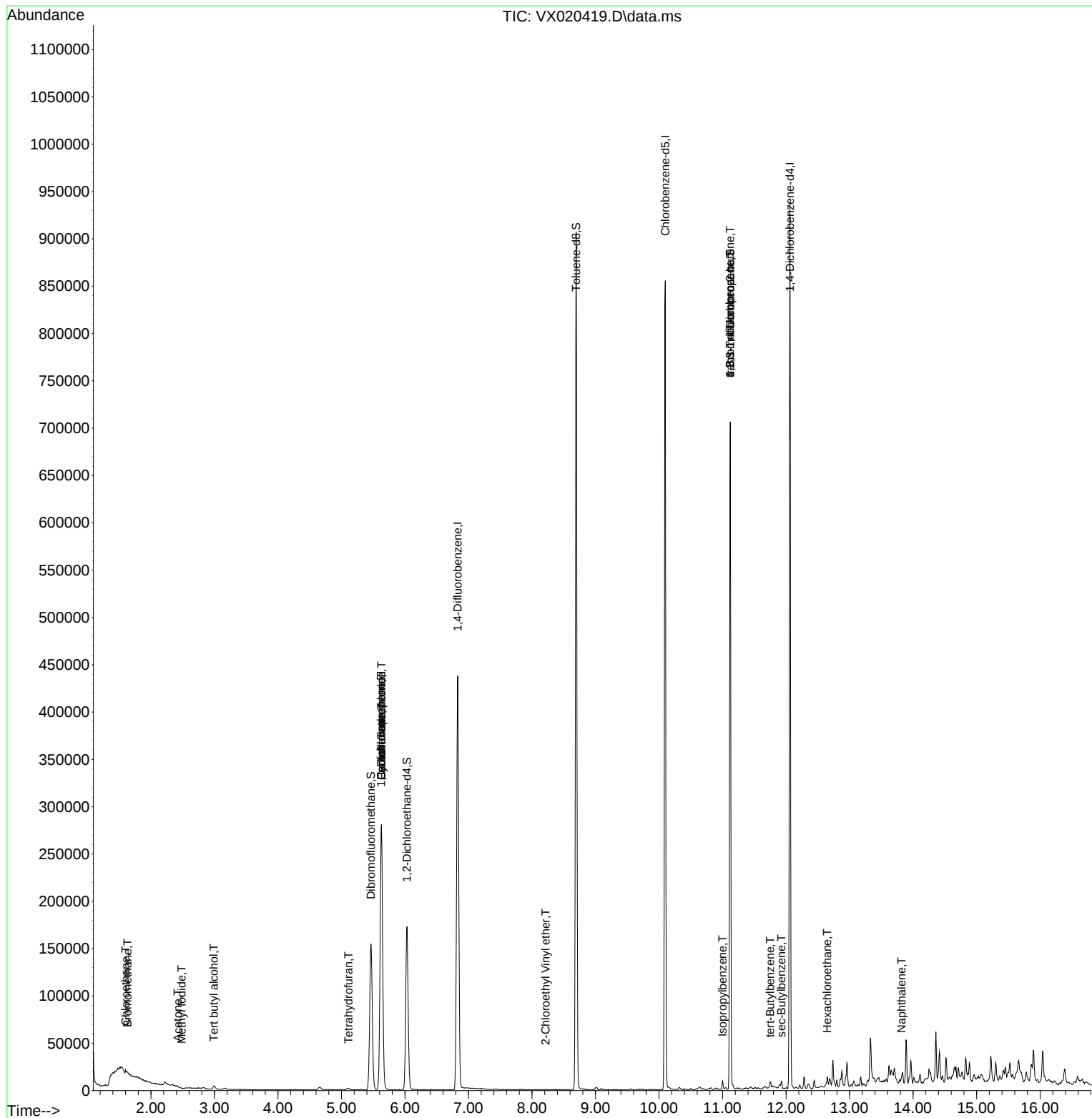
Target Compounds						Qvalue
5) Bromomethane	1.630	94	388	0.33	ug/l #	79
6) Chloroethane	1.599	64	13125	5.66	ug/l #	48
10) Methyl Iodide	2.483	142	176	3.33	ug/l #	42
11) Tert butyl alcohol	2.989	59	2715	3.33	ug/l #	73
16) Acetone	2.422	43	2058	1.24	ug/l	99
29) Tetrahydrofuran	5.111	42	1527	1.01	ug/l #	54
31) Cyclohexane	5.629	56	5133	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20234	4.61	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26784	6.41	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.214	63	610	0.23	ug/l #	45
73) Isopropylbenzene	11.000	105	4257	0.31	ug/l	100
76) 1,2,3-Trichloropropane	11.122	75	93620	19.98	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	93620	59.27	ug/l #	12
83) tert-Butylbenzene	11.750	119	2574	0.23	ug/l	77
85) sec-Butylbenzene	11.927	105	3424	0.27	ug/l	78
90) Hexachloroethane	12.646	117	653	0.32	ug/l #	9
95) Naphthalene	13.817	128	2803	0.21	ug/l #	60

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

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QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

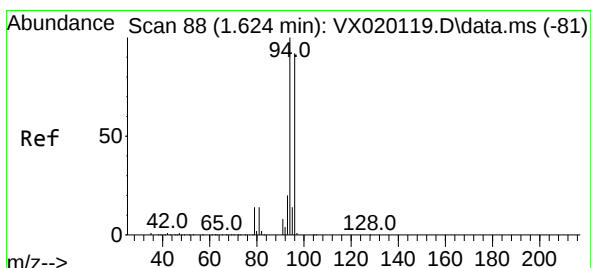
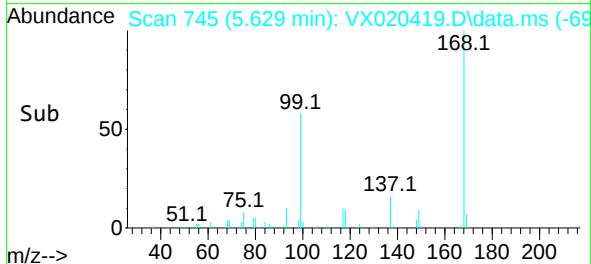
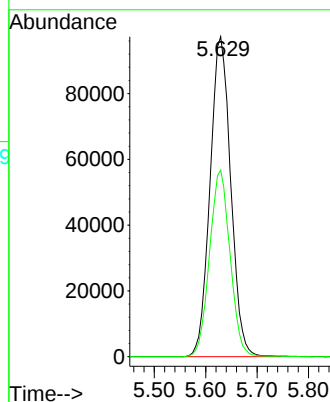
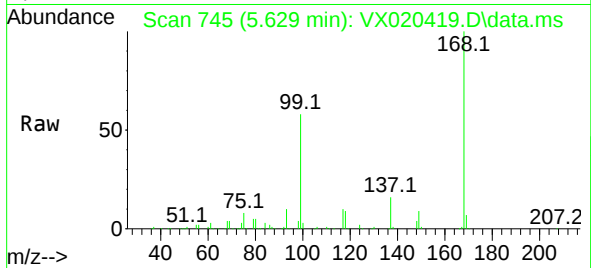




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

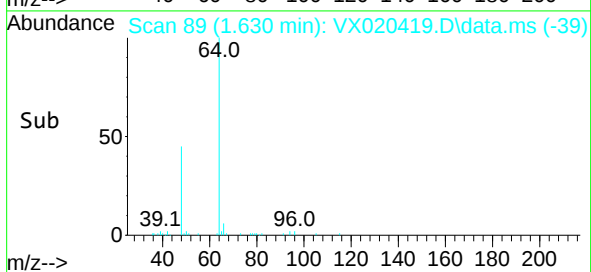
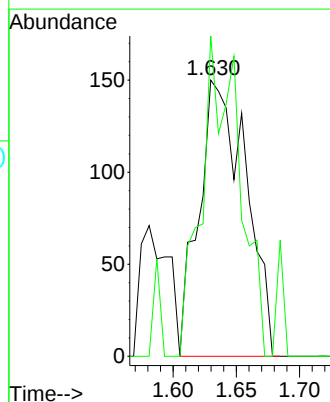
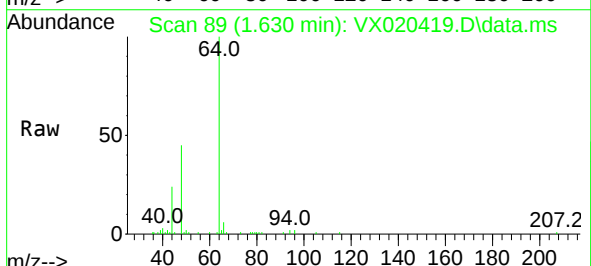
Instrument :
MSVOA_X
ClientSampleId :

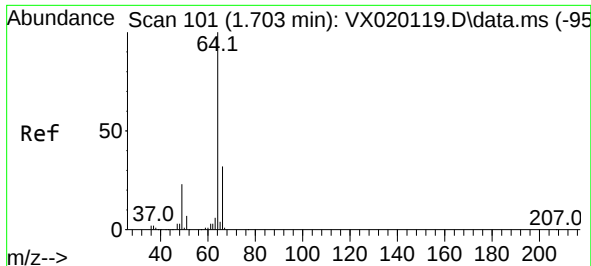
Tgt Ion:168 Resp: 271222
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 116.0 76.4 114.6#

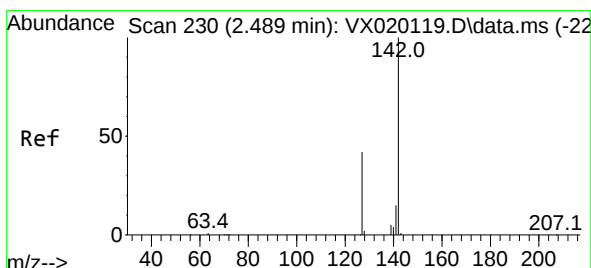
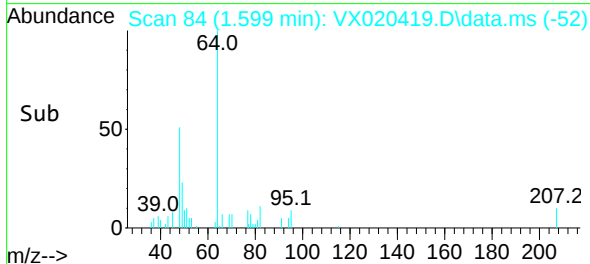
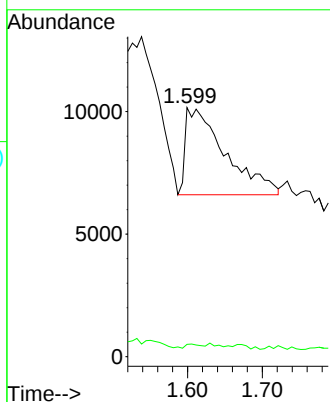
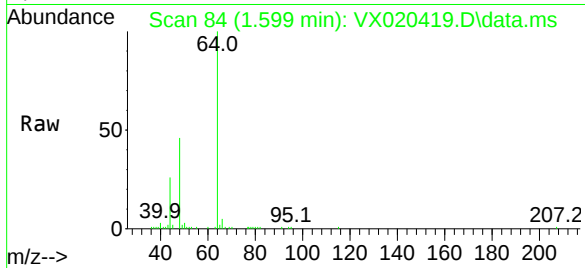




#6
Chloroethane
Concen: 5.66 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.104 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

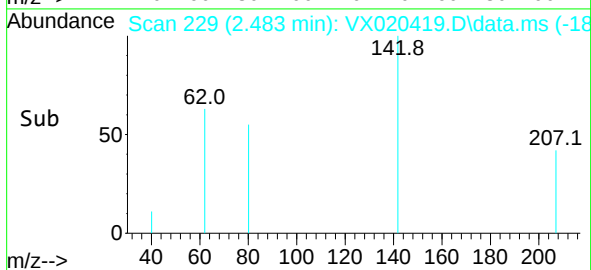
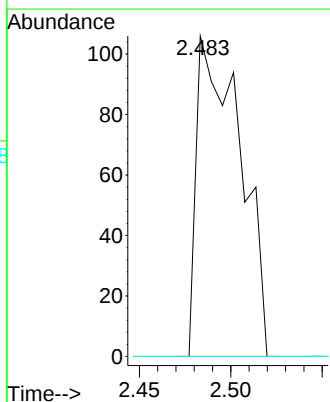
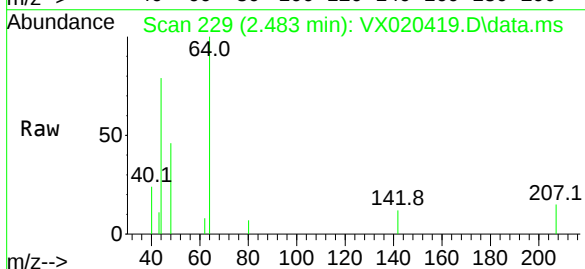
Instrument :
MSVOA_X
ClientSampled :

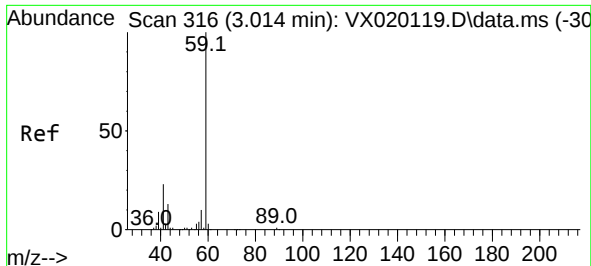
Tgt Ion: 64 Resp: 13125
Ion Ratio Lower Upper
64 100
66 3.0 25.4 38.0#



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

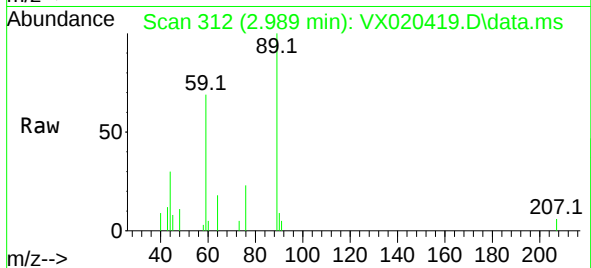




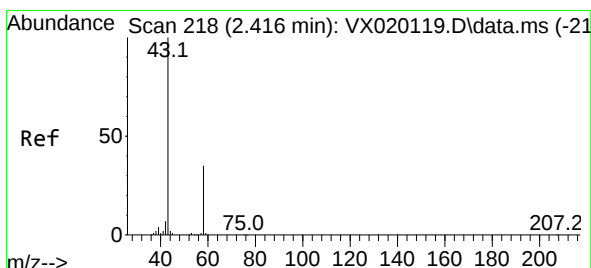
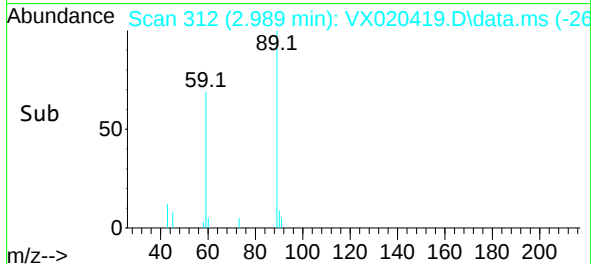
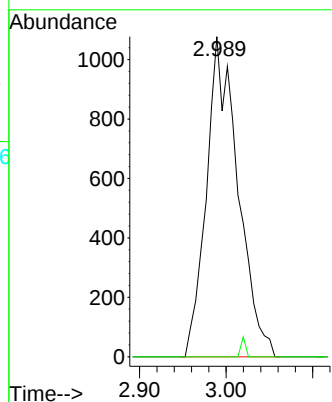
#11

Tert butyl alcohol
Concen: 3.33 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

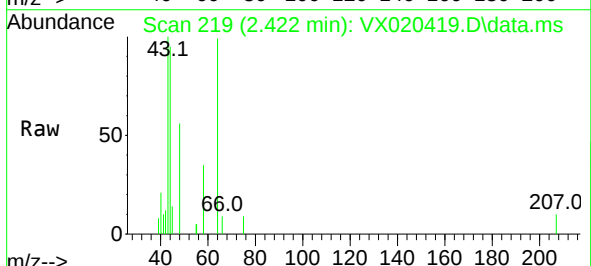


Tgt Ion: 59 Resp: 2715
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

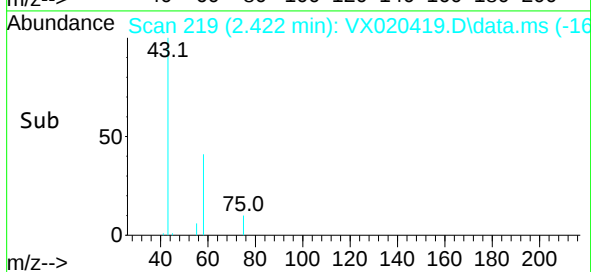
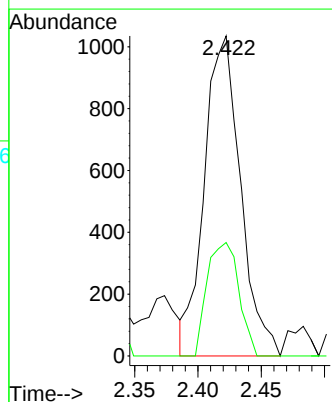


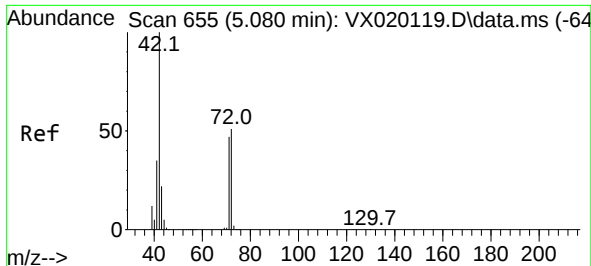
#16

Acetone
Concen: 1.24 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44



Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8





#29

Tetrahydrofuran

Concen: 1.01 ug/l

RT: 5.111 min Scan# 660

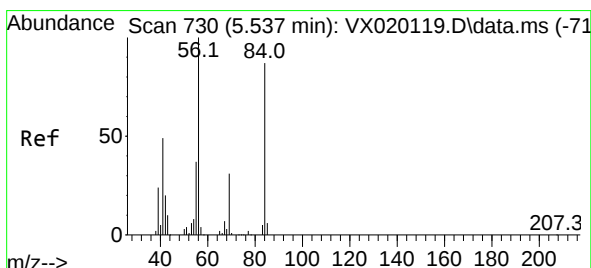
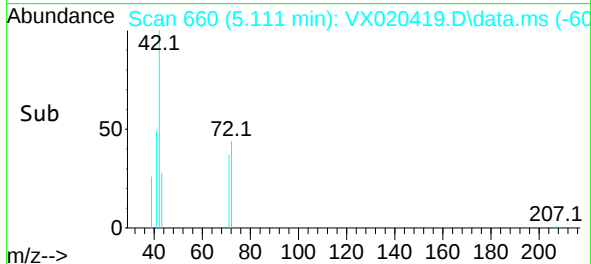
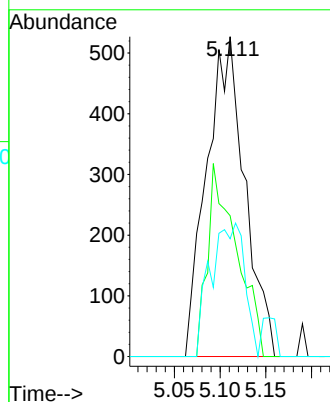
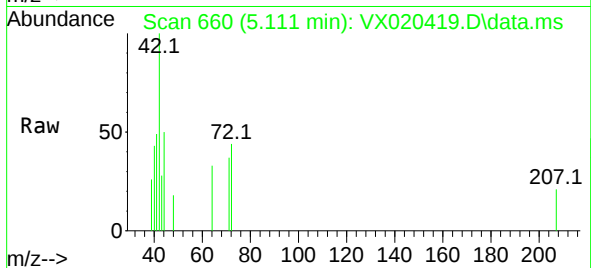
Delta R.T. 0.031 min

Lab File: VX020419.D

Acq: 28 Dec 2020 17:44

Tgt Ion:	42	Resp:	1527
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	37.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.02 ug/l

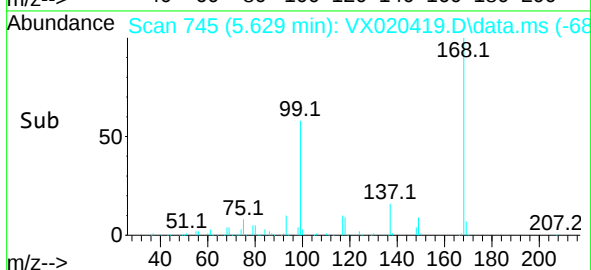
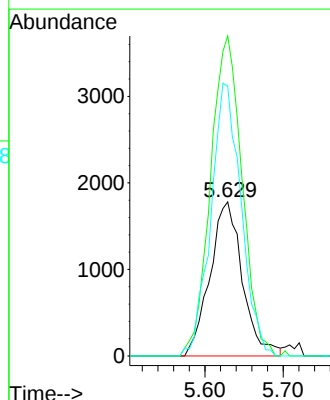
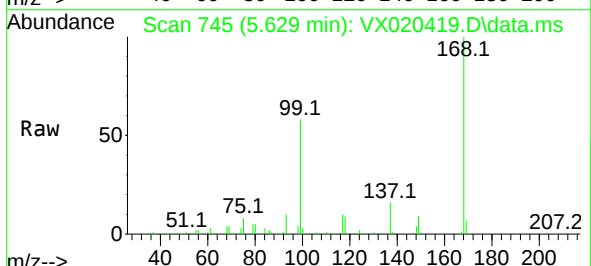
RT: 5.629 min Scan# 745

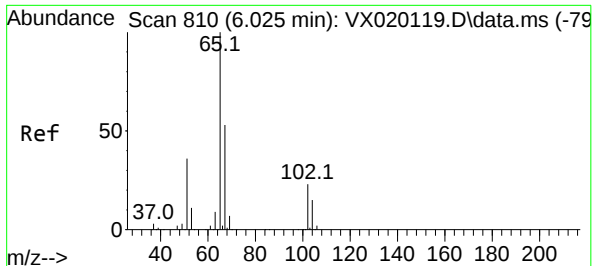
Delta R.T. 0.092 min

Lab File: VX020419.D

Acq: 28 Dec 2020 17:44

Tgt Ion:	56	Resp:	5133
Ion	Ratio	Lower	Upper
56	100		
69	207.8	25.3	37.9#
84	175.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 45.34 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020419.D

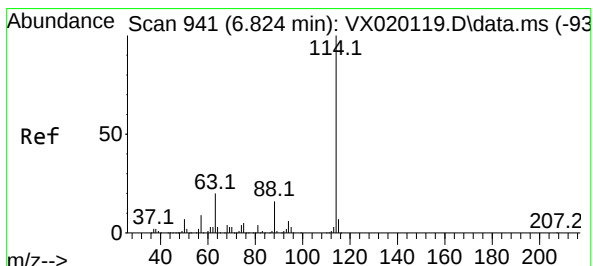
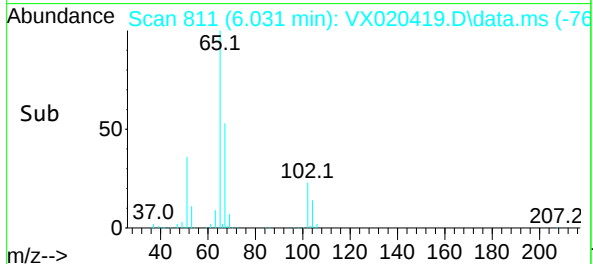
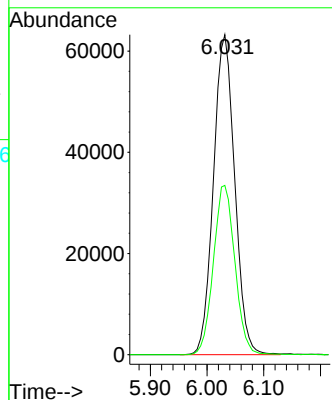
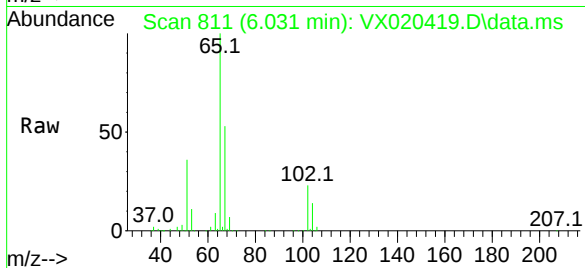
Acq: 28 Dec 2020 17:44

Tgt Ion: 65 Resp: 164842

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020419.D

Acq: 28 Dec 2020 17:44

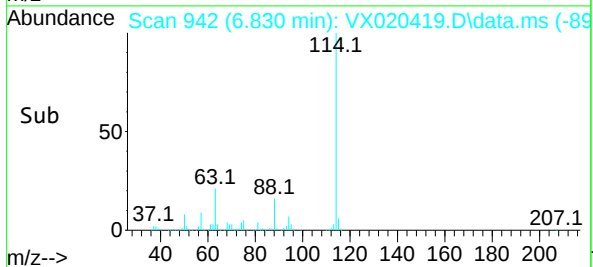
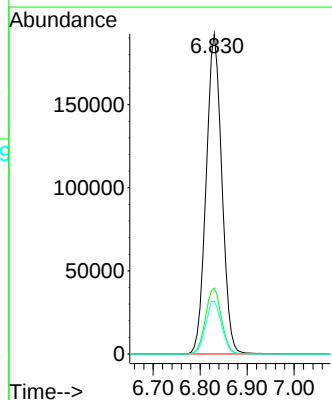
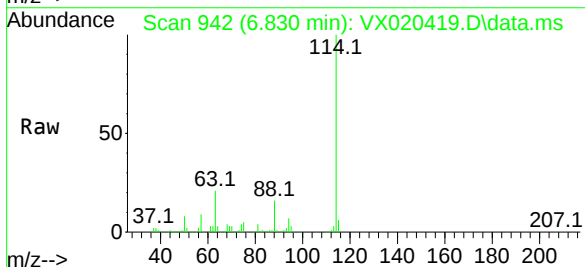
Tgt Ion: 114 Resp: 444588

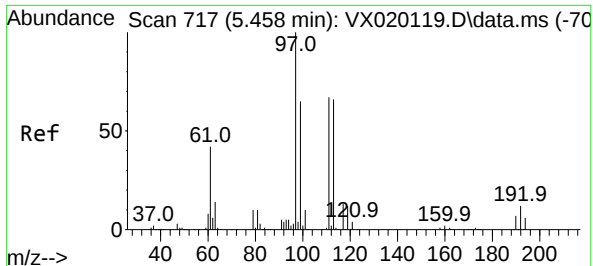
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

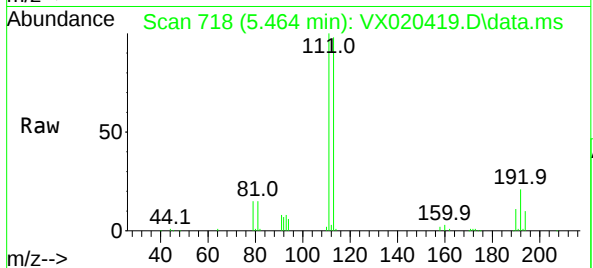
88 16.5 0.0 32.8



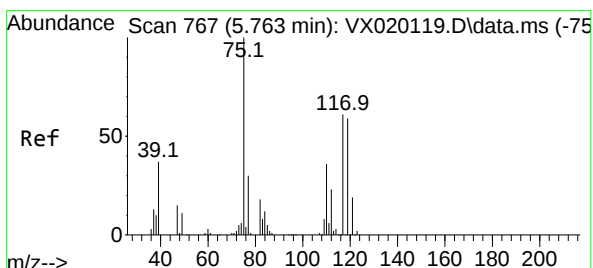
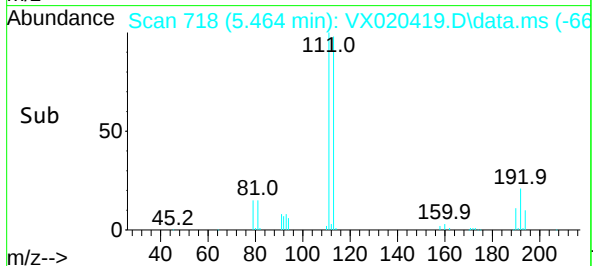
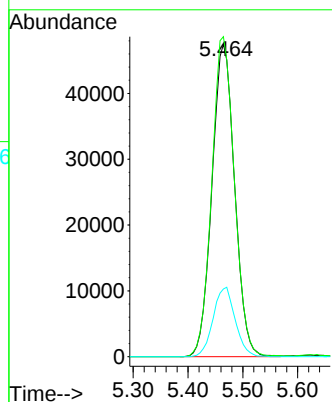


#35
Dibromofluoromethane
Concen: 47.90 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

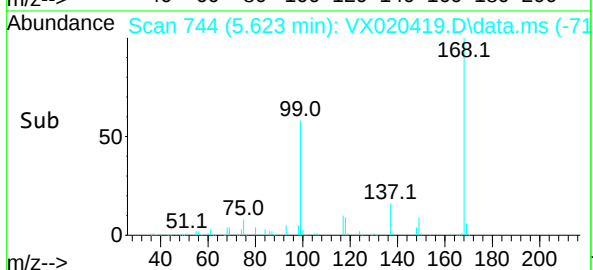
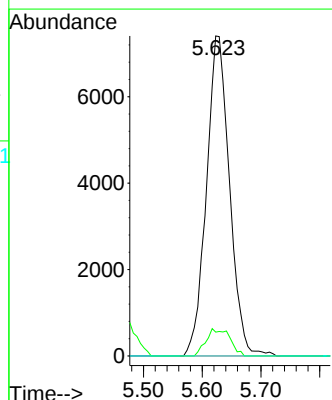
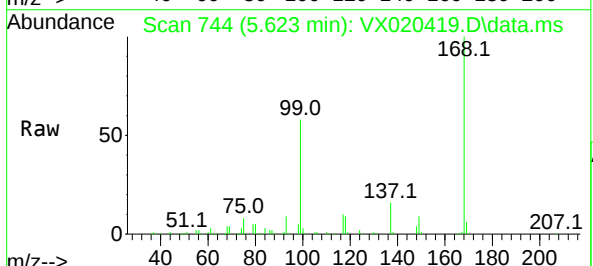


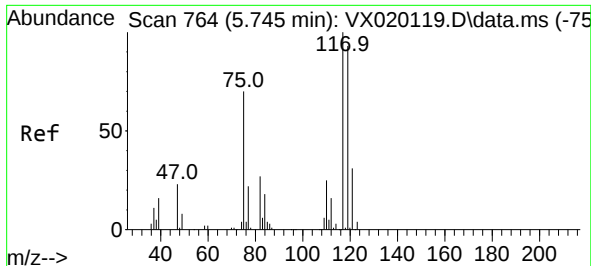
Tgt Ion:113 Resp: 136217
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 21.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

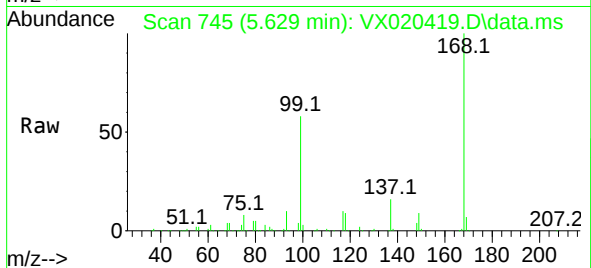
Tgt Ion: 75 Resp: 20234
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



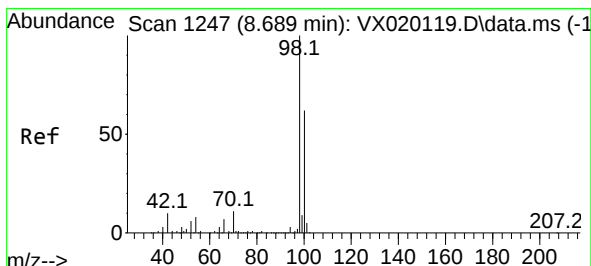
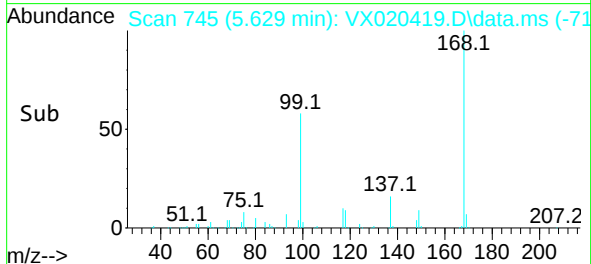
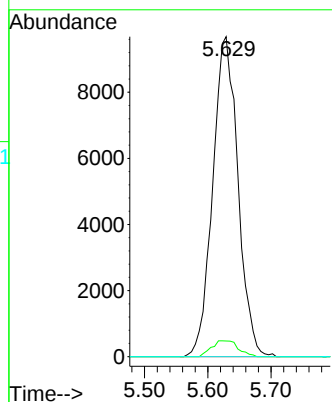


#38
Carbon Tetrachloride
Concen: 6.41 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

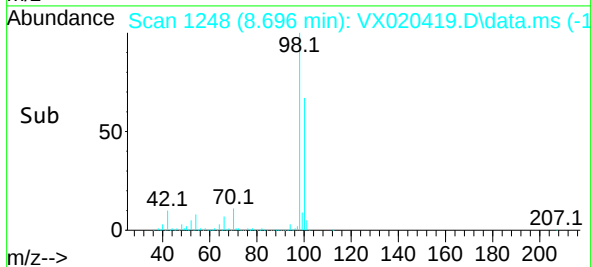
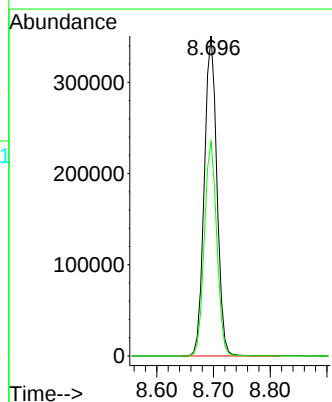
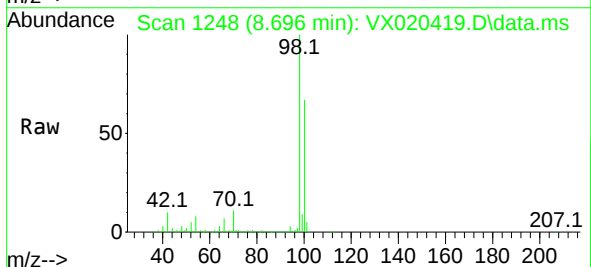


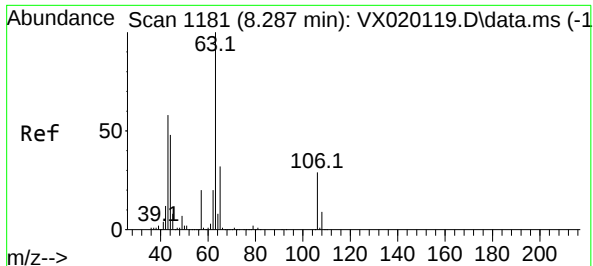
Tgt Ion:117 Resp: 26784
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.22 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion: 98 Resp: 538832
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9

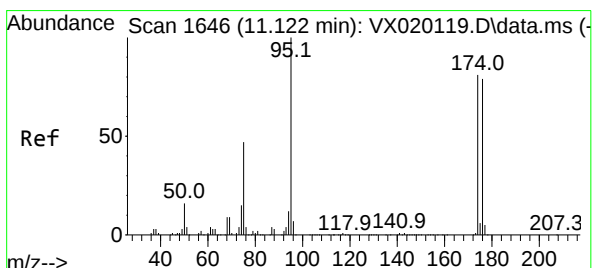
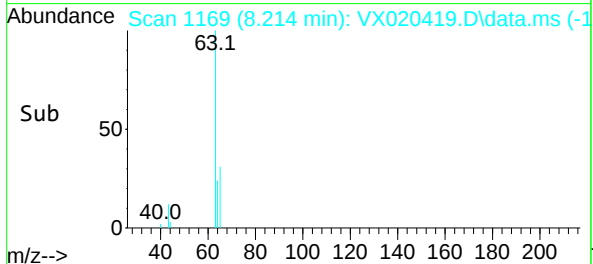
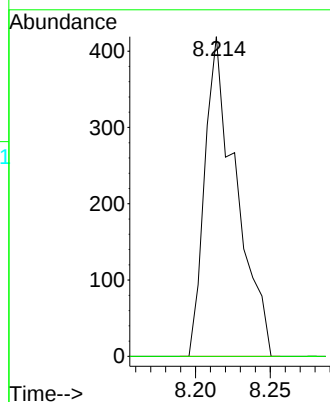
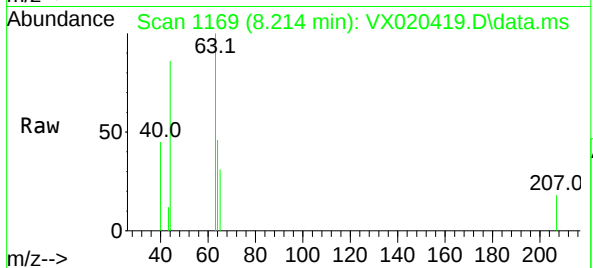




#58
2-Chloroethyl Vinyl ether
Concen: 0.23 ug/l
RT: 8.214 min Scan# 1169
Delta R.T. -0.073 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

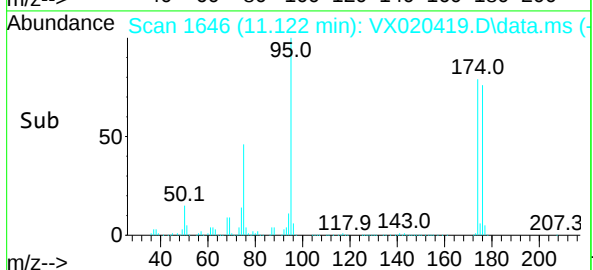
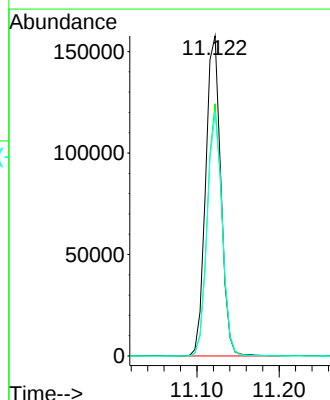
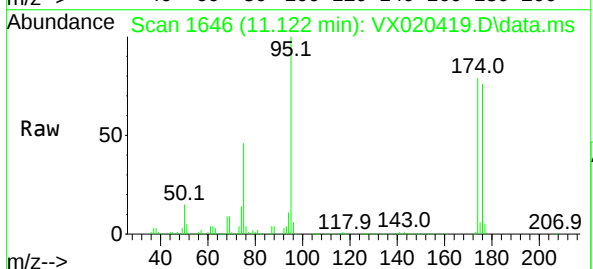
Instrument :
MSVOA_X
ClientSampleId :

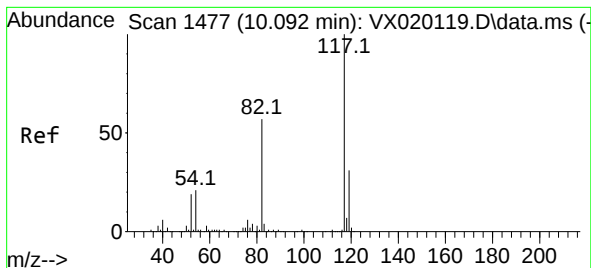
Tgt Ion: 63 Resp: 610
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 48.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion: 95 Resp: 202248
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.6
176 74.7 0.0 155.8

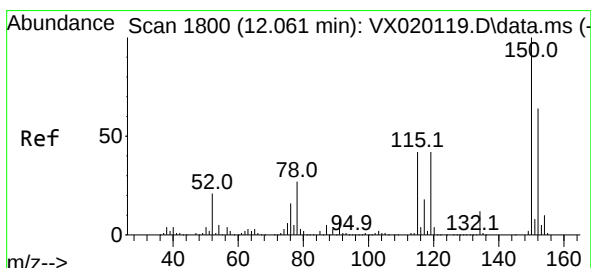
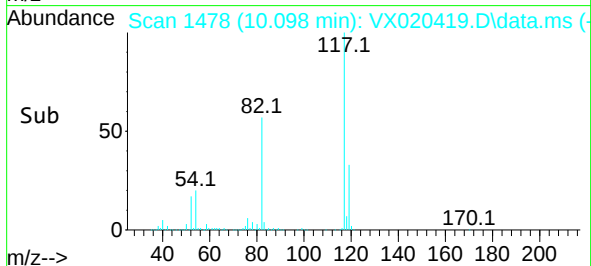
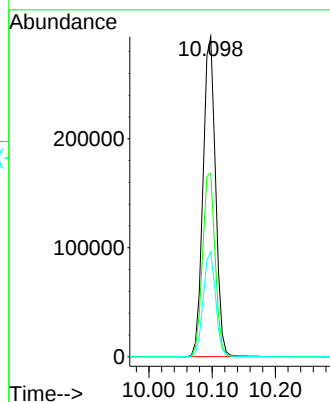
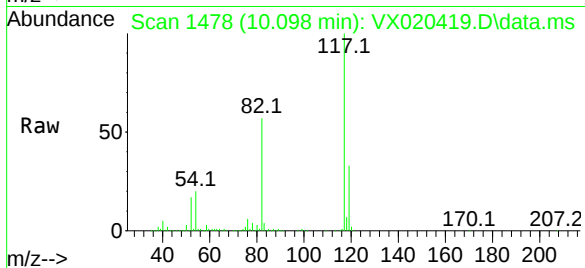




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

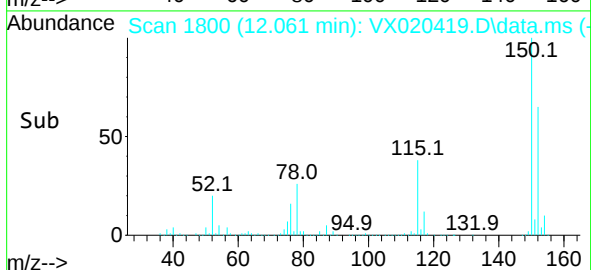
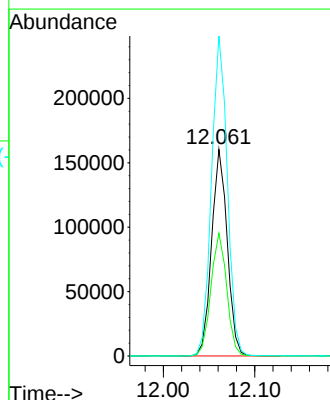
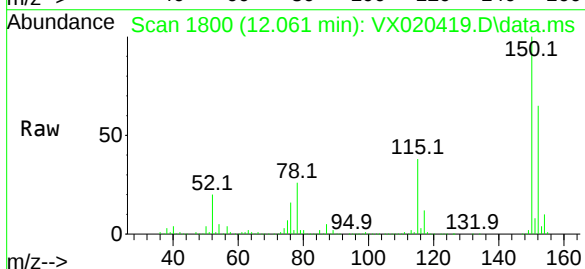
Instrument :
MSVOA_X
ClientSampleId :

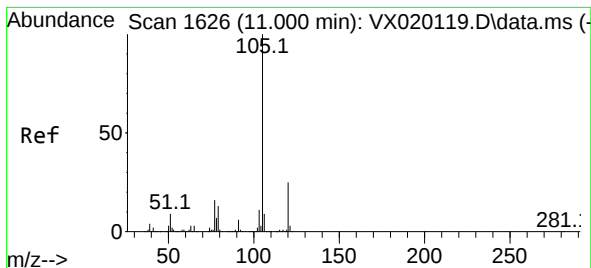
Tgt Ion:117 Resp: 404918
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion:152 Resp: 190230
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 156.5 0.0 349.0





#73

Isopropylbenzene

Concen: 0.31 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VX020419.D

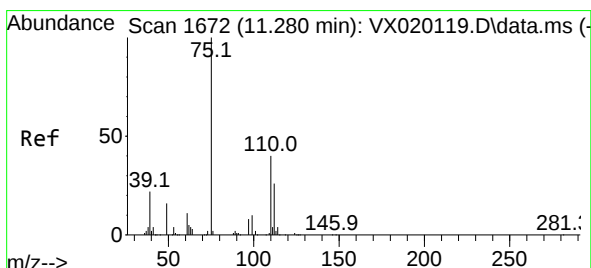
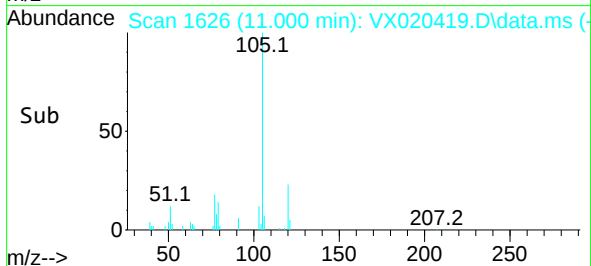
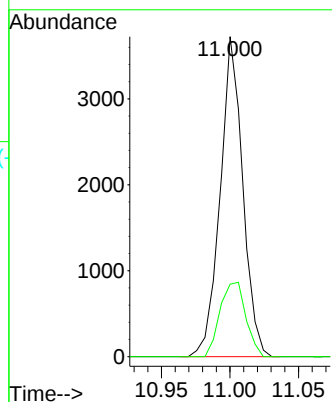
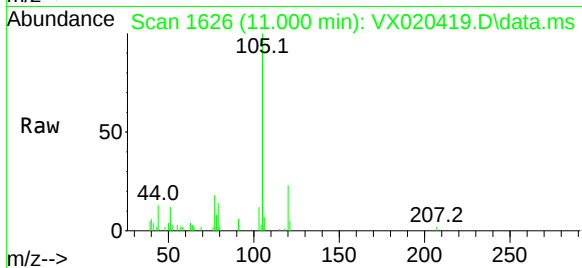
Acq: 28 Dec 2020 17:44

Tgt Ion:105 Resp: 4257

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#76

1,2,3-Trichloropropane

Concen: 19.98 ug/l

RT: 11.122 min Scan# 1646

Delta R.T. -0.158 min

Lab File: VX020419.D

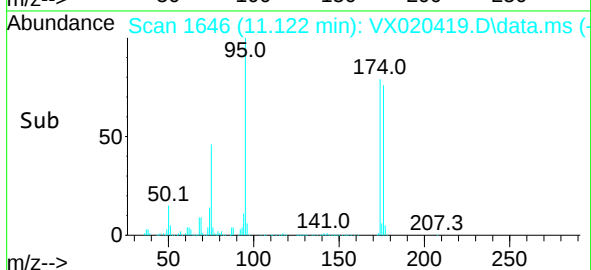
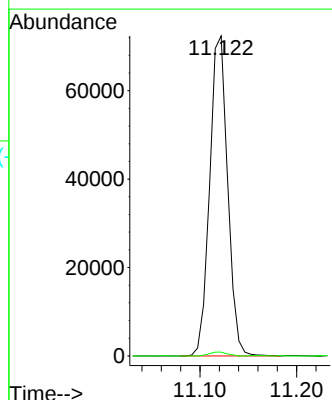
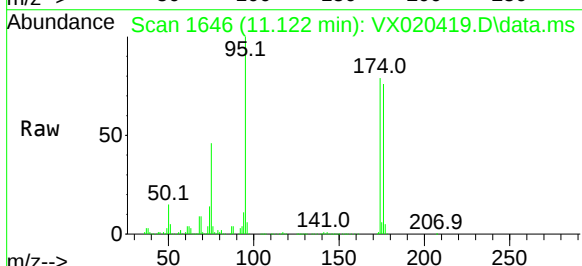
Acq: 28 Dec 2020 17:44

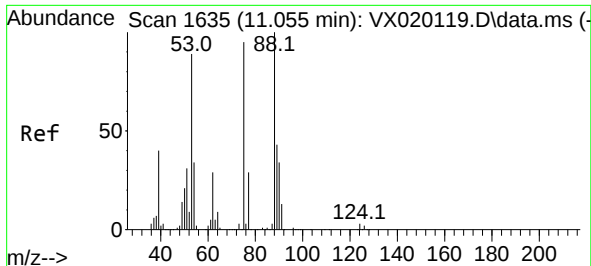
Tgt Ion: 75 Resp: 93620

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

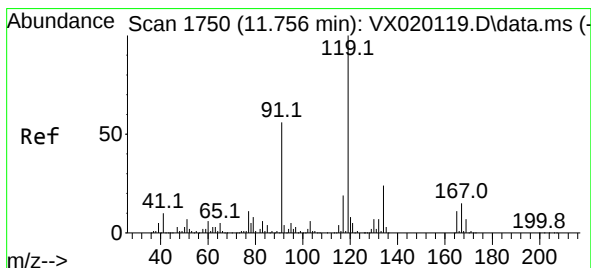
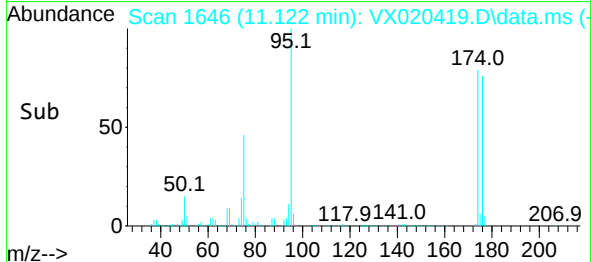
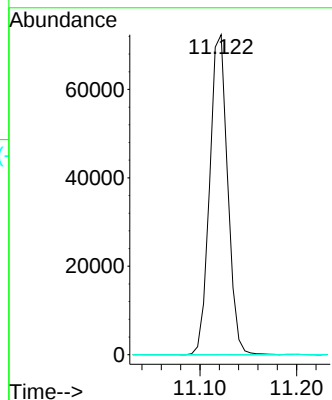
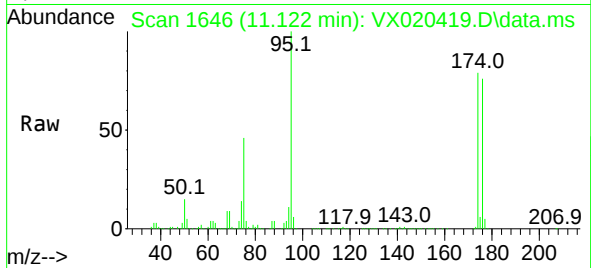




#81
trans-1,4-Dichloro-2-butene
Concen: 59.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

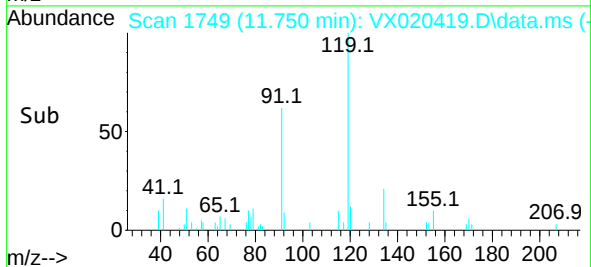
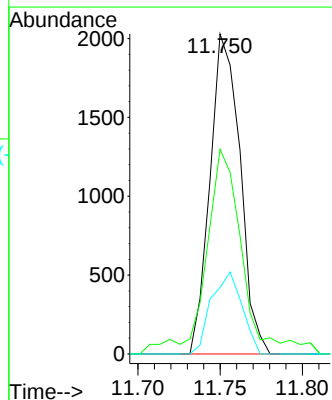
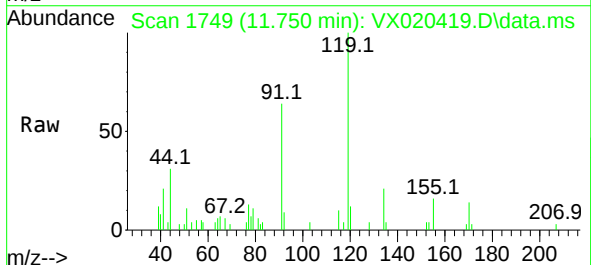
Instrument :
MSVOA_X
ClientSampleId :

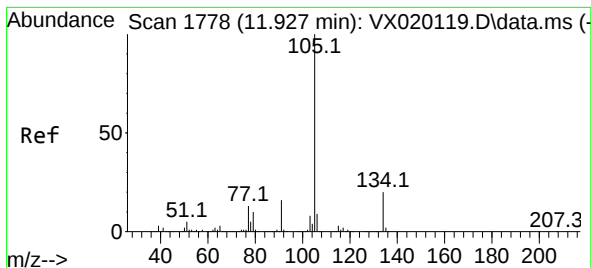
Tgt Ion: 75 Resp: 93620
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.23 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Tgt Ion: 119 Resp: 2574
Ion Ratio Lower Upper
119 100
91 77.3 27.9 83.7
134 26.1 11.3 33.9

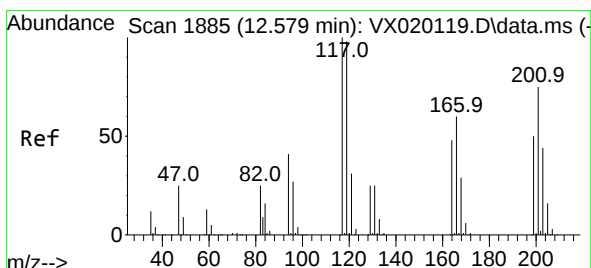
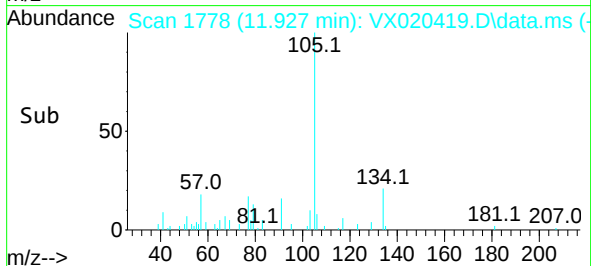
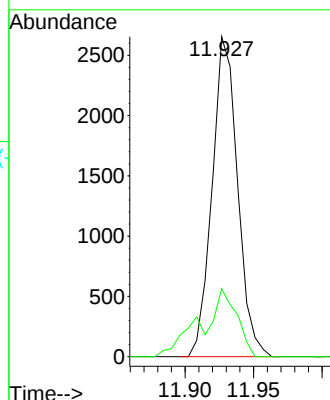
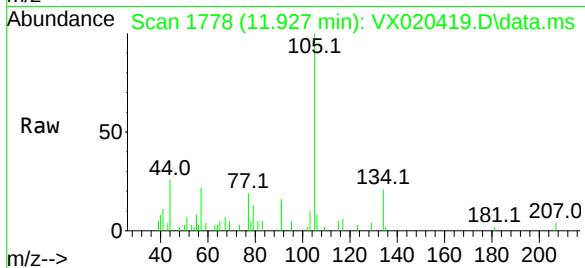




#85
 sec-Butylbenzene
 Concen: 0.27 ug/l
 RT: 11.927 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: VX020419.D
 Acq: 28 Dec 2020 17:44

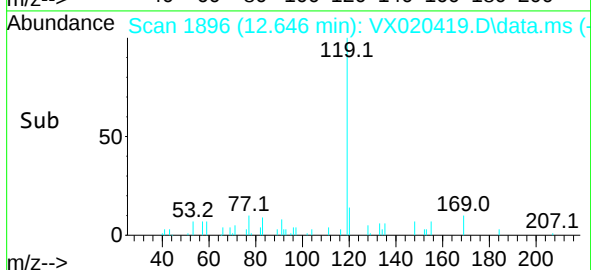
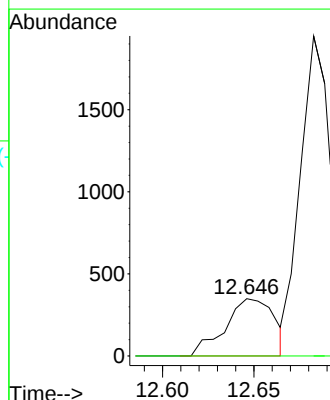
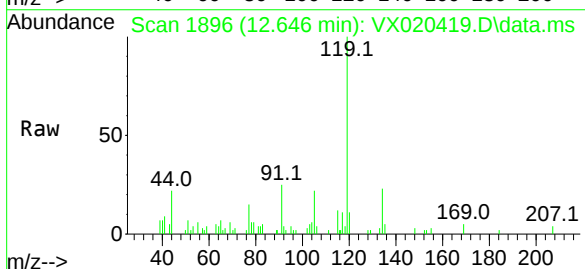
Instrument :
 MSVOA_X
 ClientSampled :

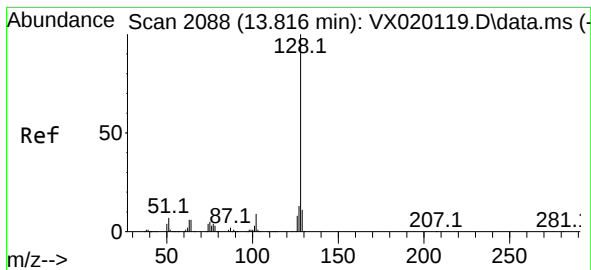
Tgt Ion:105 Resp: 3424
 Ion Ratio Lower Upper
 105 100
 134 29.8 10.0 29.8



#90
 Hexachloroethane
 Concen: 0.32 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.067 min
 Lab File: VX020419.D
 Acq: 28 Dec 2020 17:44

Tgt Ion:117 Resp: 653
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 0.21 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX020419.D
Acq: 28 Dec 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 2803
Ion Ratio Lower Upper
128 100
127 29.1 10.3 15.5#
129 25.7 8.8 13.2#

