

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020915.D
 Acq On : 25 Feb 2021 15:58
 Operator : JC/MD
 Sample : M1481-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 25 16:26:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 13:26:35 2021
 Response via : Initial Calibration

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

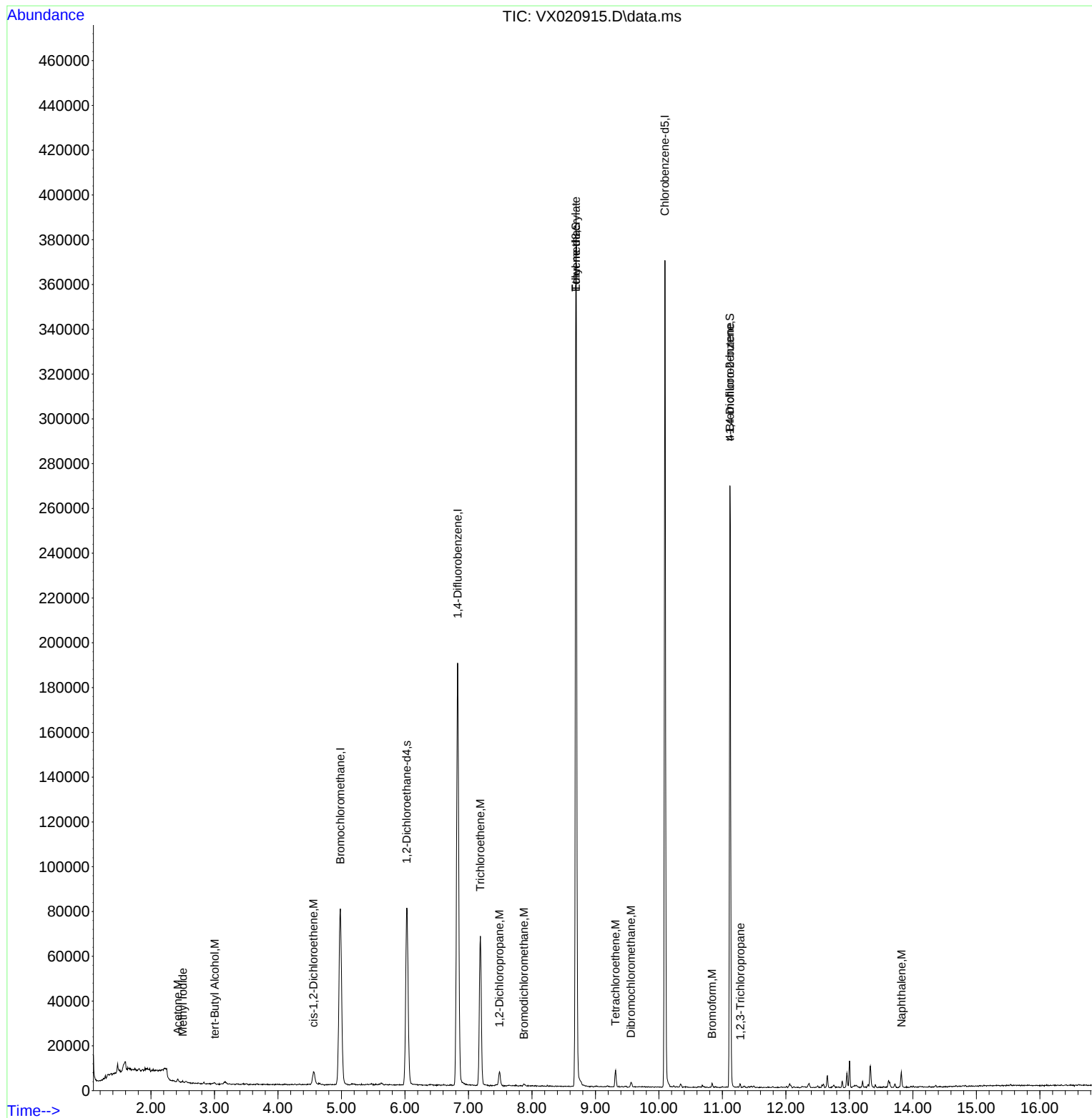
Internal Standards						
1) Bromochloromethane	4.982	128	35958	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	196554	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	171564	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	76842	30.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.118	95	79540	28.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.43%
63) Toluene-d8	8.694	98	239998	30.72	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.40%
Target Compounds						
					Qvalue	
11) Methyl Iodide	2.499	142	552	0.21	ug/l	95
15) Acetone	2.423	58	484	1.37	ug/l #	62
22) cis-1,2-Dichloroethene	4.558	96	4041	1.50	ug/l	90
23) tert-Butyl Alcohol	3.005	59	126	0.24	ug/l #	100
37) Trichloroethene	7.188	130	25971	10.37	ug/l	98
39) 1,2-Dichloropropane	7.488	63	2552	1.11	ug/l	92
41) Bromodichloromethane	7.876	83	825	0.25	ug/l #	82
51) Ethyl methacrylate	8.694	69	735	0.20	ug/l	77
53) Dibromochloromethane	9.559	129	1102	0.45	ug/l	98
56) Bromoform	10.836	173	678	0.39	ug/l #	95
61) Tetrachloroethene	9.318	164	1522	0.72	ug/l	91
72) 1,2,3-Trichloropropane	11.283	75	690	0.23	ug/l	83
77) t-1,4-Dichloro-2-butene	11.118	75	37830	30.68	ug/l #	11
91) Naphthalene	13.818	128	4507	0.46	ug/l	99

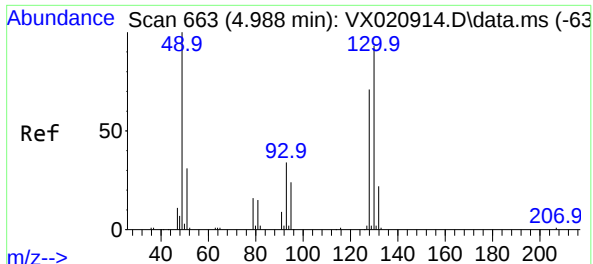
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
Data File : VX020915.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 25 16:26:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Feb 25 13:26:35 2021
Response via : Initial Calibration

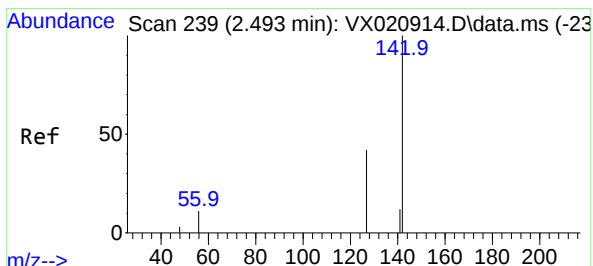
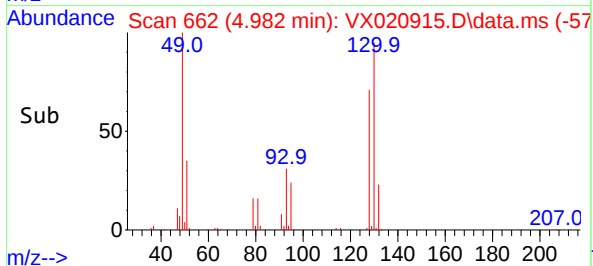
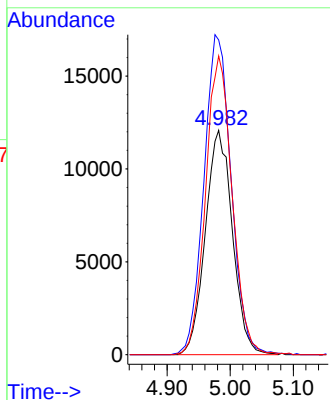
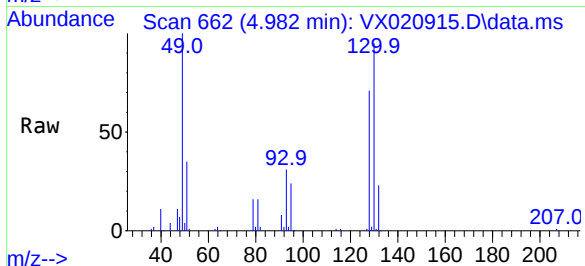




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. 0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

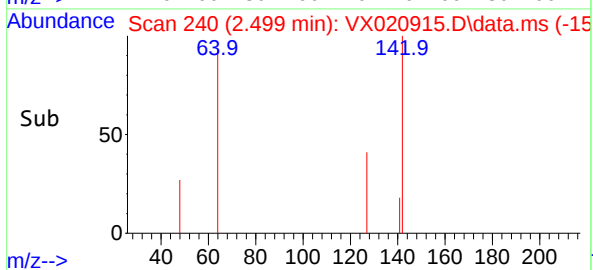
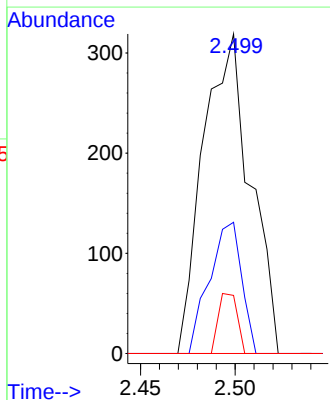
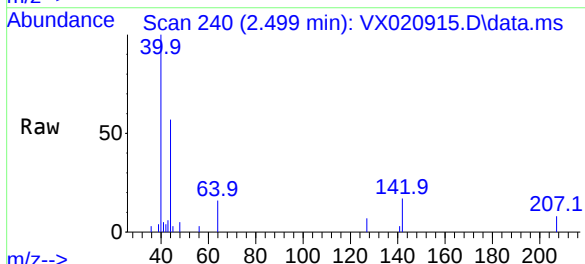
Instrument :
MSVOA_X
ClientSampleId :

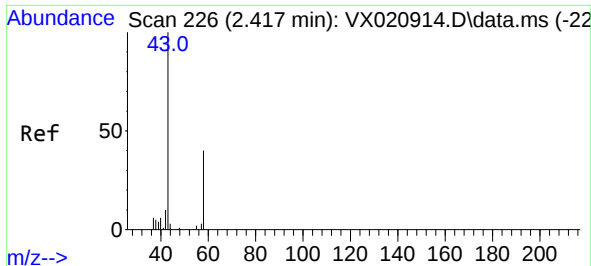
Tgt Ion:128 Resp: 35958
Ion Ratio Lower Upper
128 100
49 144.1 0.0 367.5
130 130.5 0.0 318.8



#11
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

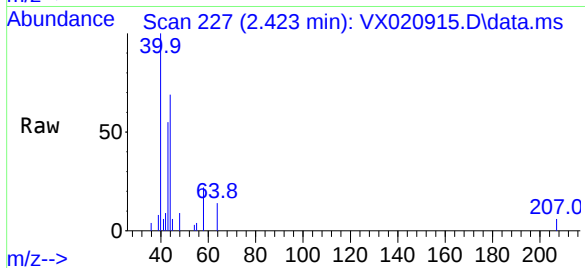
Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 41.1 21.4 64.2
141 18.2 6.5 19.4



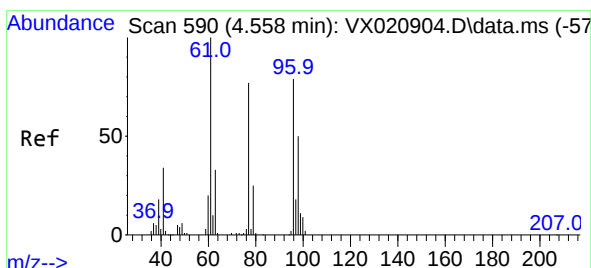
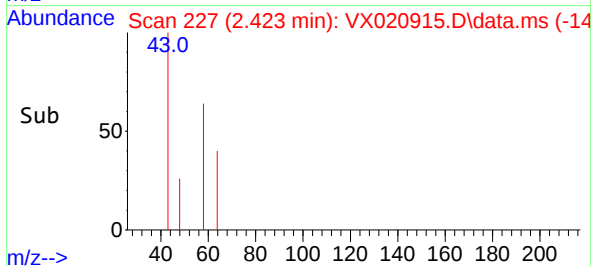
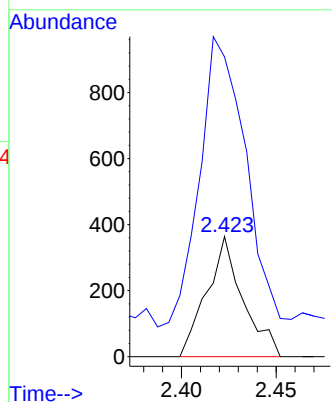


#15
Acetone
Concen: 1.37 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Instrument :
MSVOA_X
ClientSampleId :

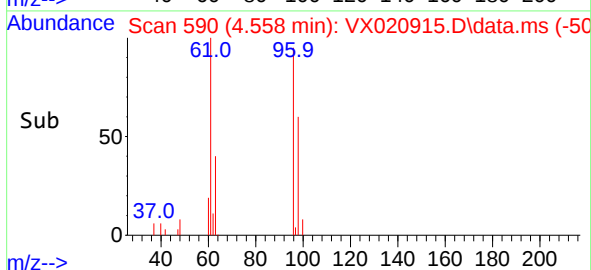
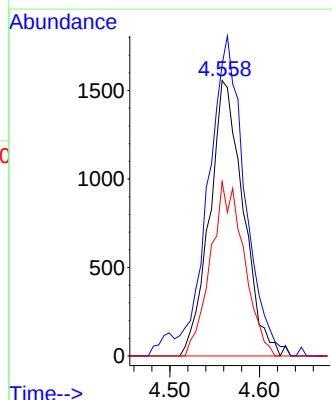
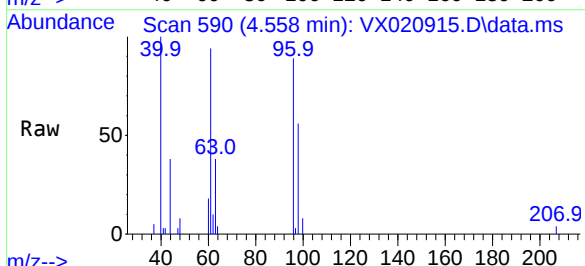


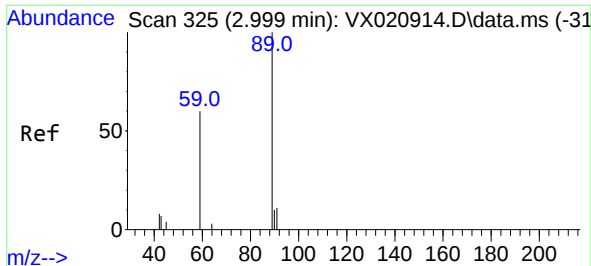
Tgt Ion: 58 Resp: 484
Ion Ratio Lower Upper
58 100
43 217.6 232.6 348.8#



#22
cis-1,2-Dichloroethene
Concen: 1.50 ug/l
RT: 4.558 min Scan# 590
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion: 96 Resp: 4041
Ion Ratio Lower Upper
96 100
61 125.9 114.1 171.1
98 63.2 51.8 77.8

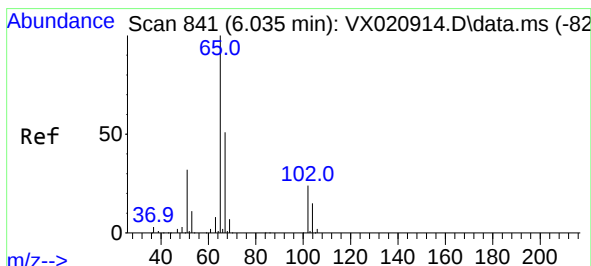
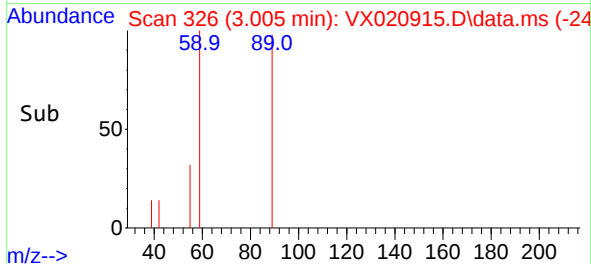
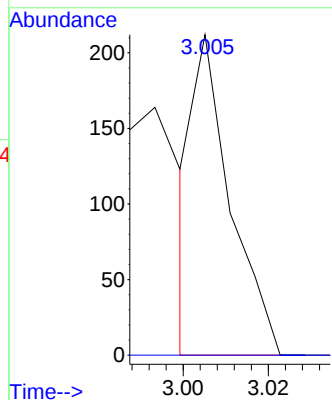
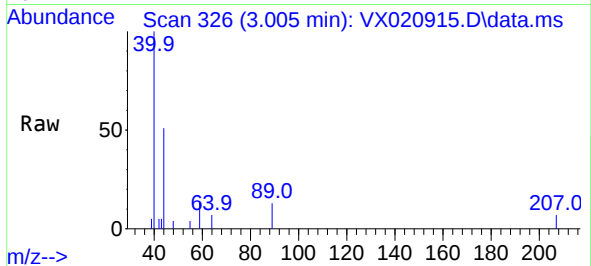




#23
tert-Butyl Alcohol
Concen: 0.24 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

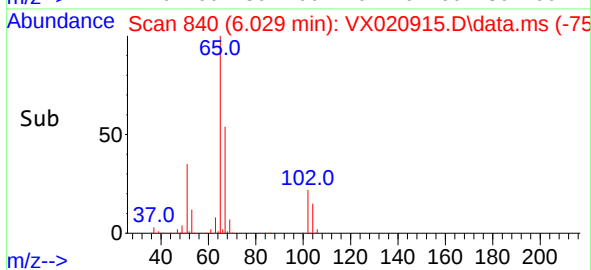
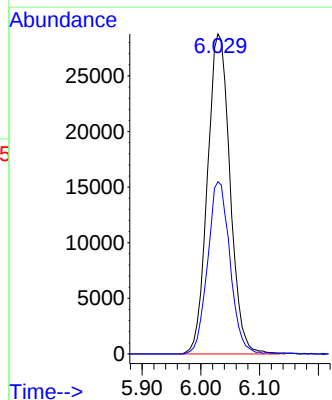
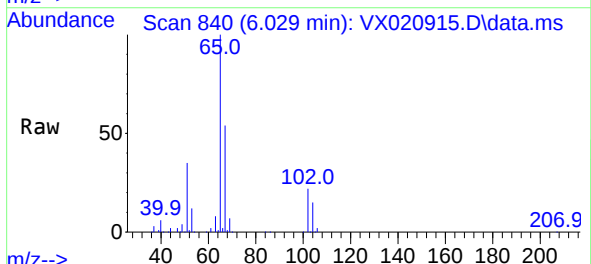
Instrument :
MSVOA_X
ClientSampleId :

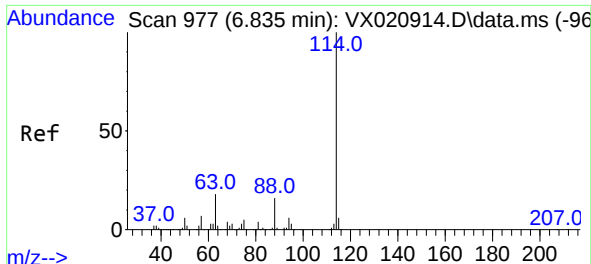
Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.35 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

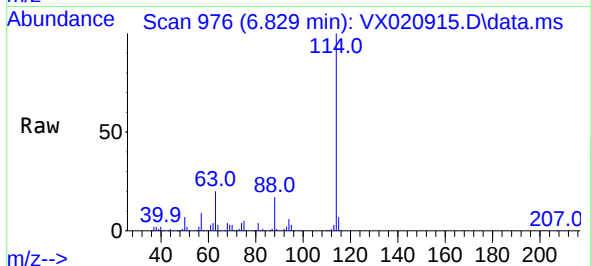
Tgt Ion: 65 Resp: 76842
Ion Ratio Lower Upper
65 100
67 53.1 41.9 62.9



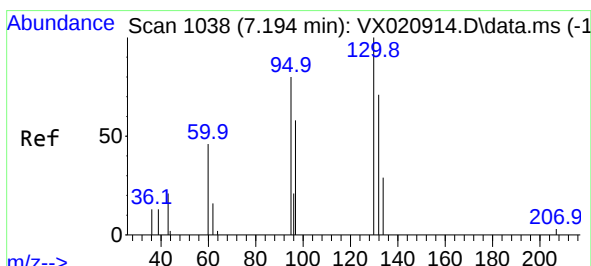
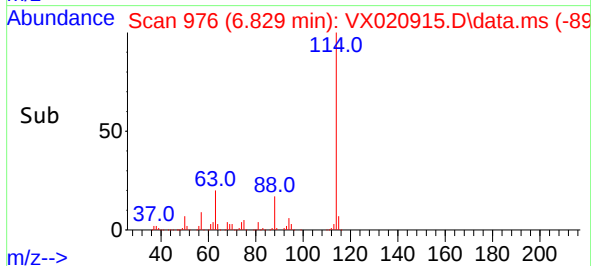
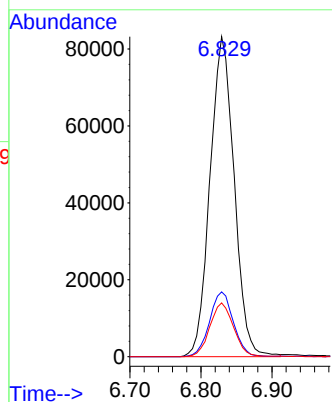


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Instrument :
MSVOA_X
ClientSampleId :

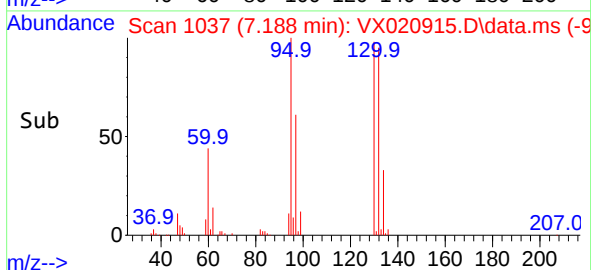
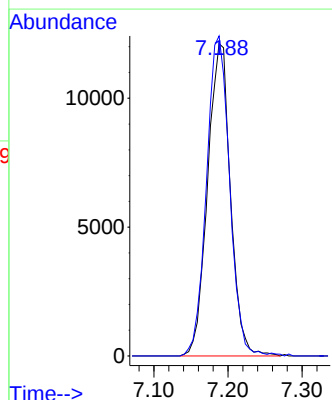
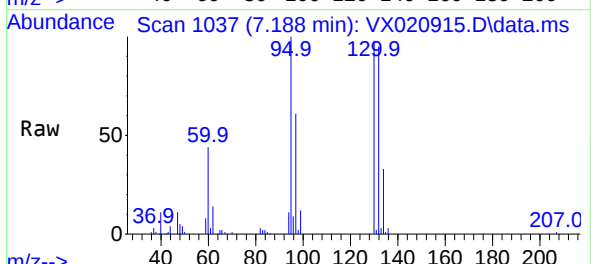


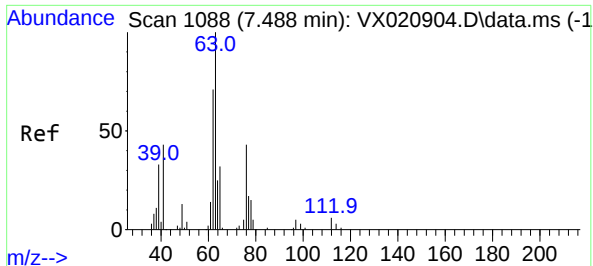
Tgt Ion:114 Resp: 196554
Ion Ratio Lower Upper
114 100
63 20.0 16.2 24.2
88 16.5 13.0 19.6



#37
Trichloroethene
Concen: 10.37 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion:130 Resp: 25971
Ion Ratio Lower Upper
130 100
95 102.5 80.2 120.4

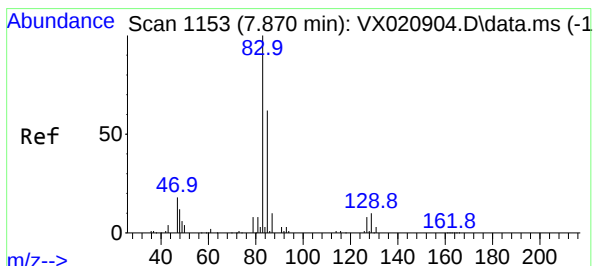
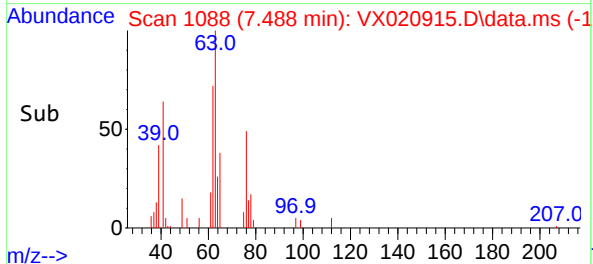
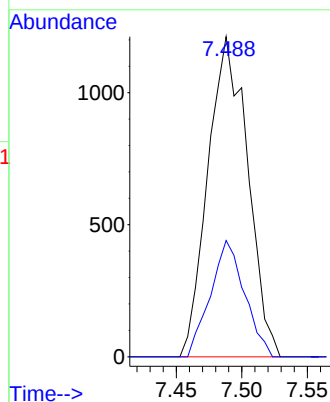
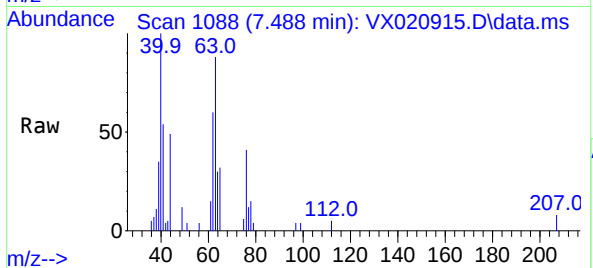




#39
1,2-Dichloropropane
Concen: 1.11 ug/l
RT: 7.488 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

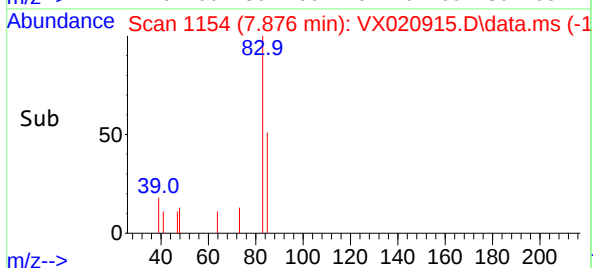
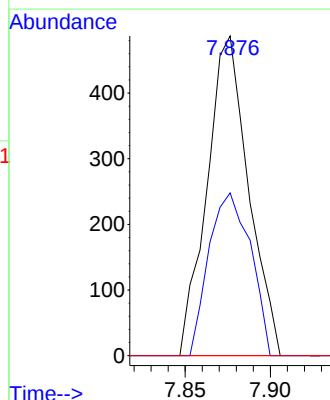
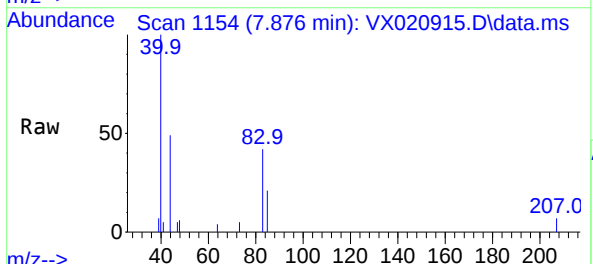
Instrument :
MSVOA_X
ClientSampleId :

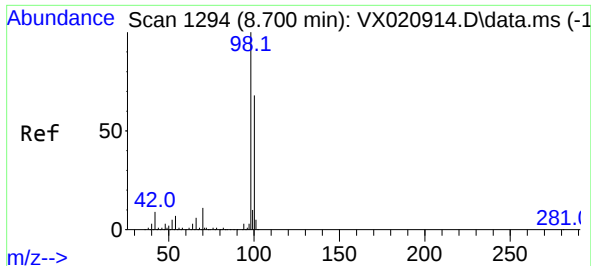
Tgt Ion: 63 Resp: 2552
Ion Ratio Lower Upper
63 100
65 36.3 25.6 38.4



#41
Bromodichloromethane
Concen: 0.25 ug/l
RT: 7.876 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion: 83 Resp: 825
Ion Ratio Lower Upper
83 100
85 50.9 51.4 77.0#
127 0.0 7.1 10.7#

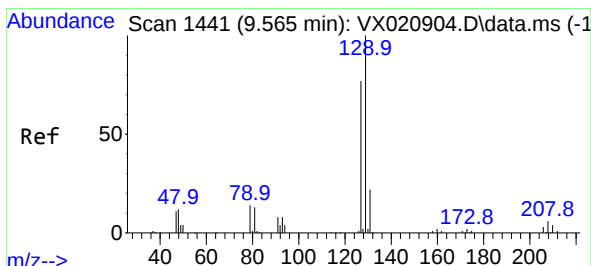
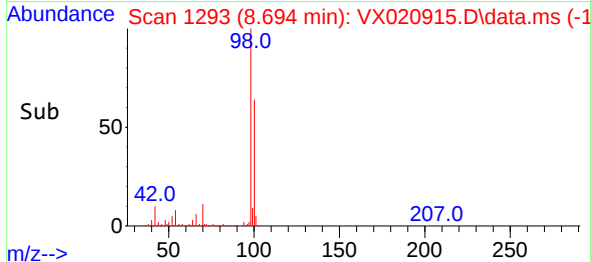
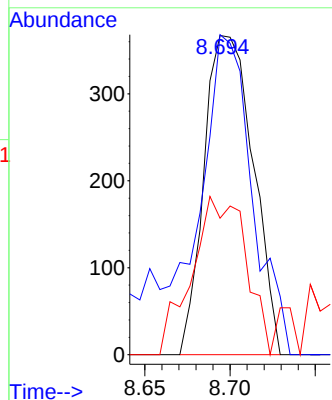
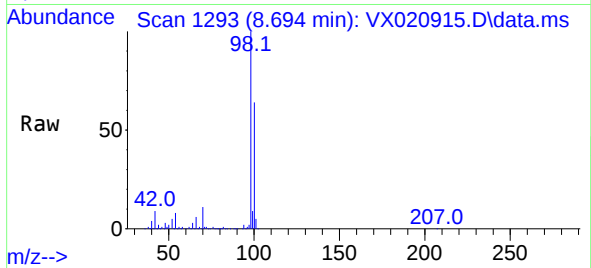




#51
Ethyl methacrylate
Concen: 0.20 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.465 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

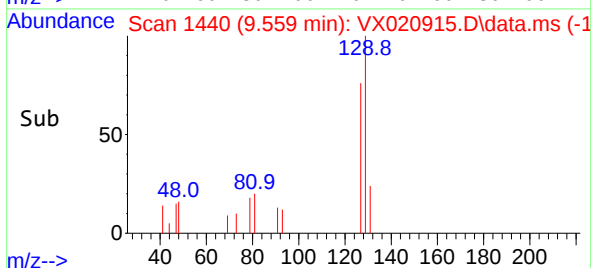
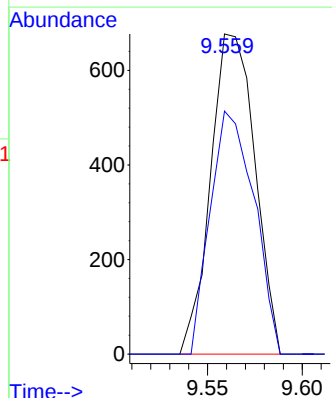
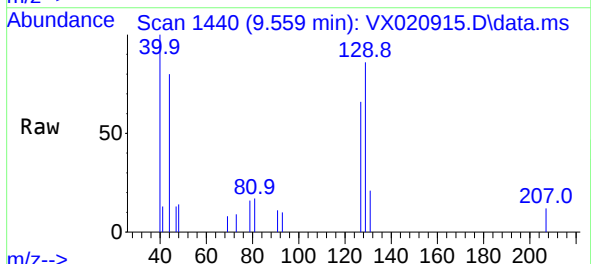
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ClientSampleId :

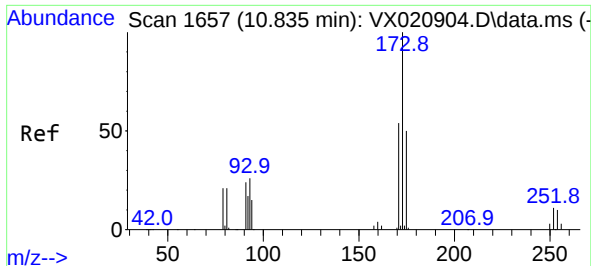
Tgt Ion: 69 Resp: 735
Ion Ratio Lower Upper
69 100
41 82.0 29.1 87.4
39 28.1 15.4 46.1



#53
Dibromochloromethane
Concen: 0.45 ug/l
RT: 9.559 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion: 129 Resp: 1102
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.2

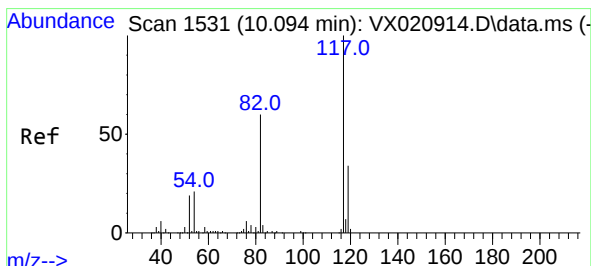
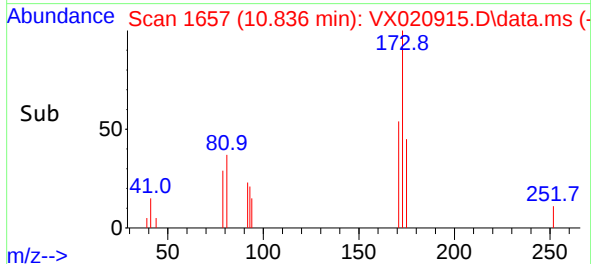
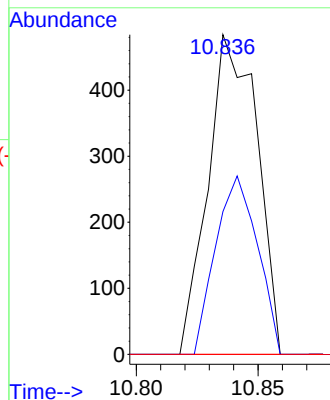
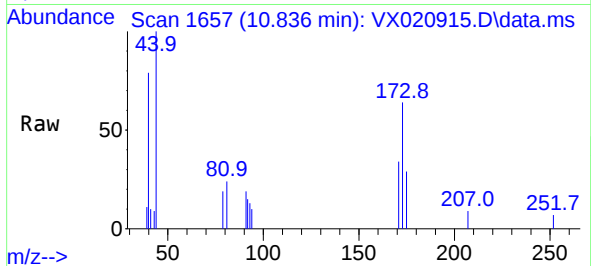




#56
Bromoform
Concen: 0.39 ug/l
RT: 10.836 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

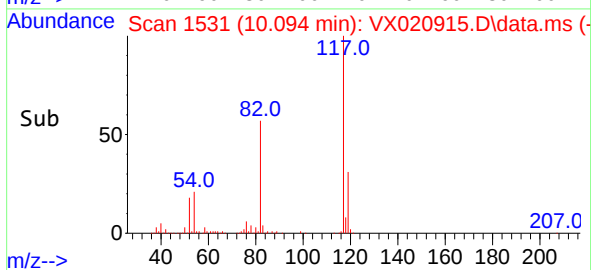
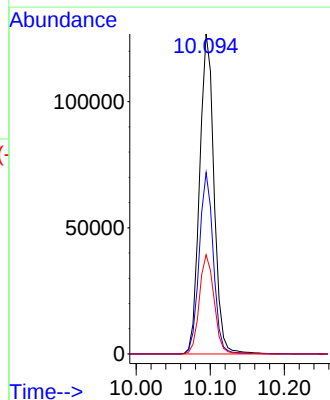
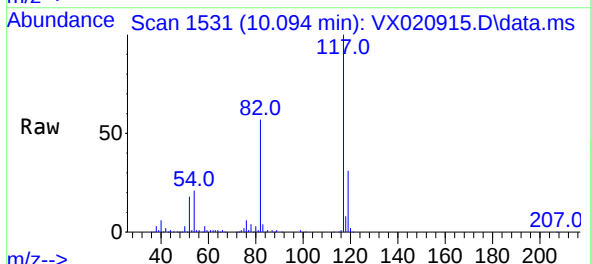
Instrument :
MSVOA_X
ClientSampled :

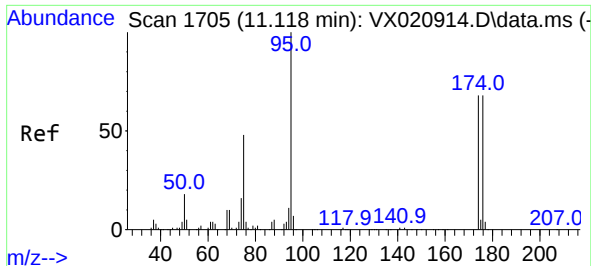
Tgt Ion:	173	Resp:	678
Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.1	57.1
254	0.0	8.2	12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion:	117	Resp:	171564
Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.6
119	31.5	25.6	38.4

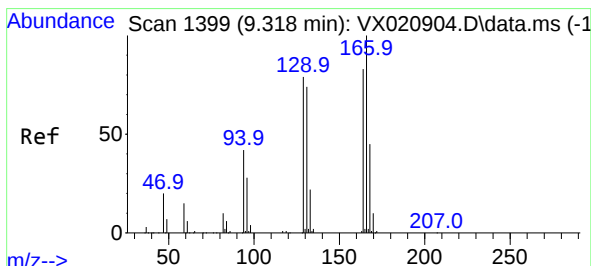
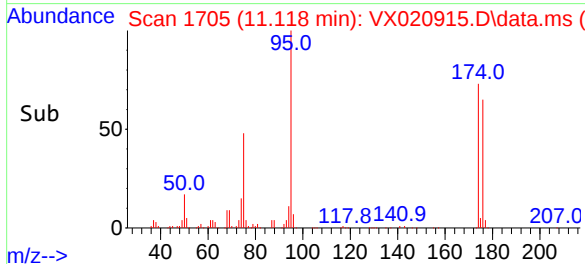
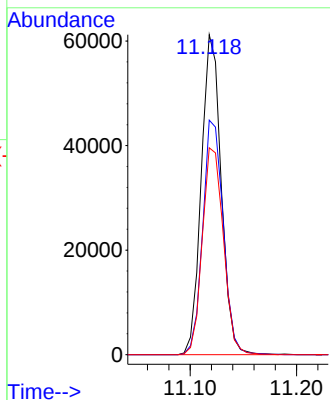
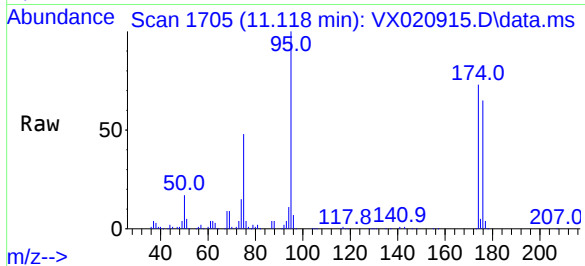




#60
4-Bromofluorobenzene
Concen: 28.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

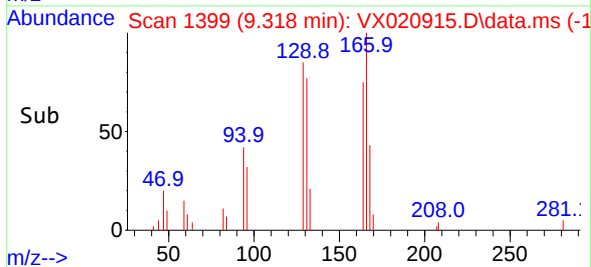
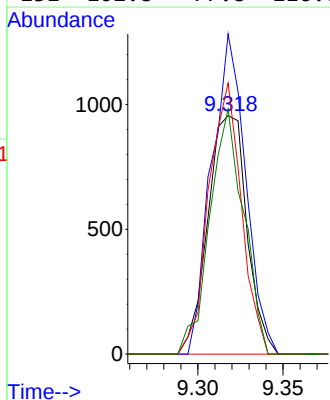
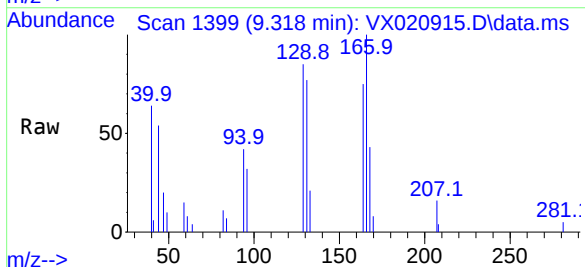
Instrument :
MSVOA_X
ClientSampleId :

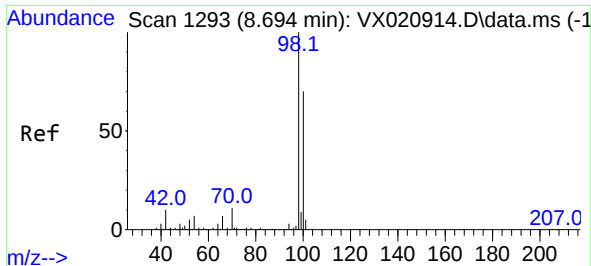
Tgt Ion:	95	Resp:	79540
Ion	Ratio	Lower	Upper
95	100		
174	75.5	63.0	94.4
176	68.5	59.9	89.9



#61
Tetrachloroethene
Concen: 0.72 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion:	164	Resp:	1522
Ion	Ratio	Lower	Upper
164	100		
166	134.2	102.8	154.2
129	113.6	75.8	113.8
131	102.8	77.8	116.6

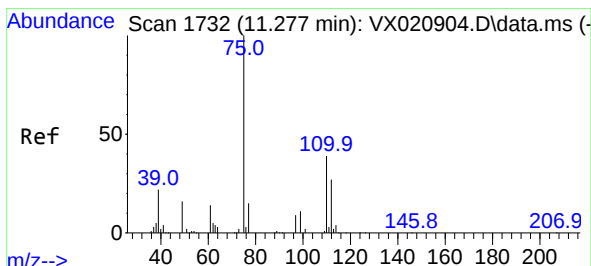
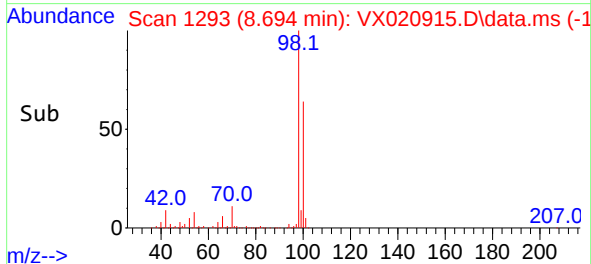
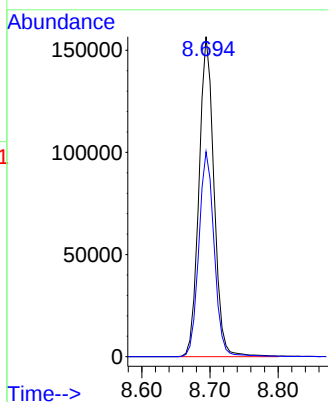
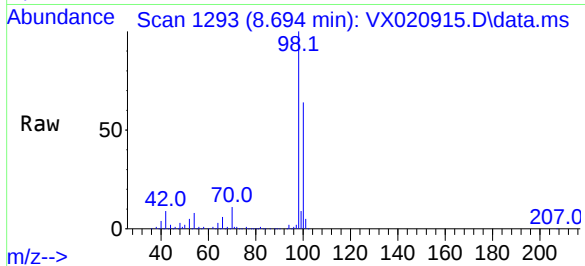




#63
Toluene-d8
Concen: 30.72 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

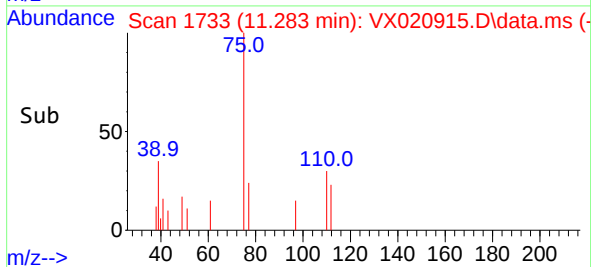
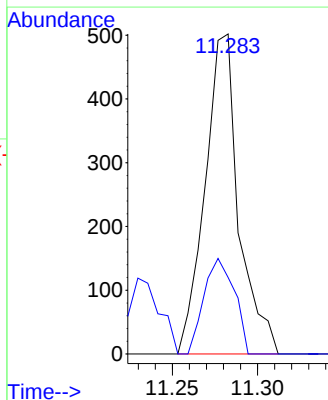
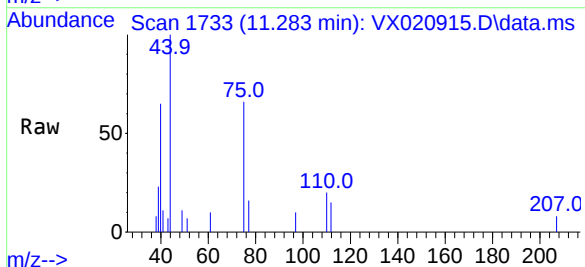
Instrument :
MSVOA_X
ClientSampled :

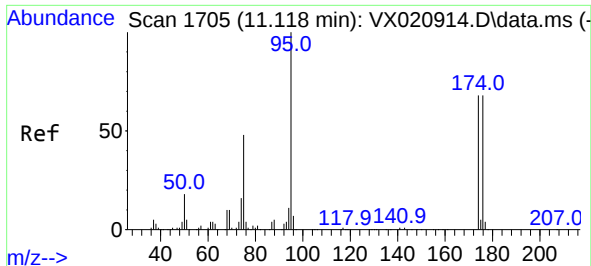
Tgt Ion: 98 Resp: 239998
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#72
1,2,3-Trichloropropane
Concen: 0.23 ug/l
RT: 11.283 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion: 75 Resp: 690
Ion Ratio Lower Upper
75 100
77 27.0 0.0 74.6

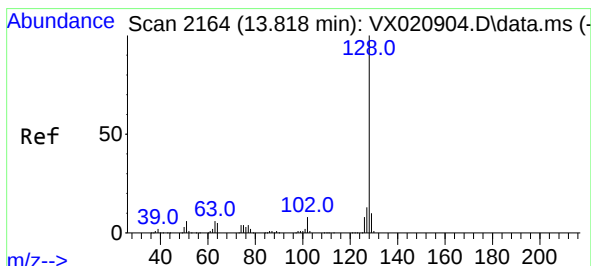
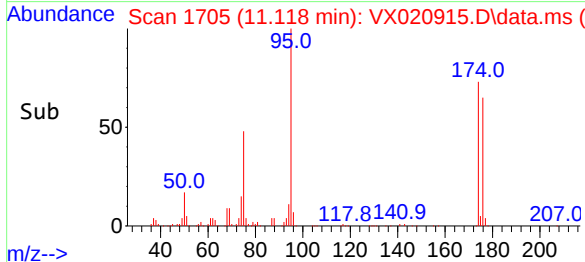
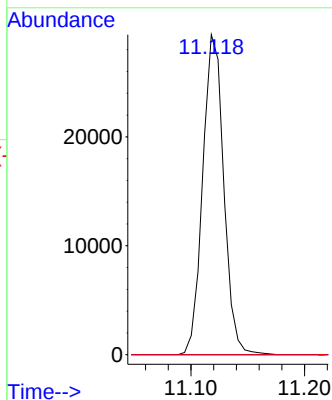
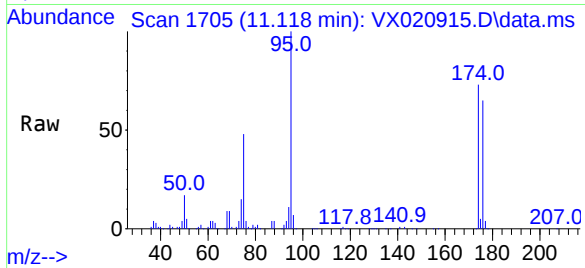




#77
t-1,4-Dichloro-2-butene
Concen: 30.68 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 37830
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#



#91
Naphthalene
Concen: 0.46 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX020915.D
Acq: 25 Feb 2021 15:58

Tgt Ion:128 Resp: 4507
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 10.9 8.8 13.2

