

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021283.D
 Acq On : 18 Mar 2021 17:20
 Operator : JC/MD
 Sample : VX0319WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 02:51:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 12 12:55:27 2021
 Response via : Initial Calibration

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

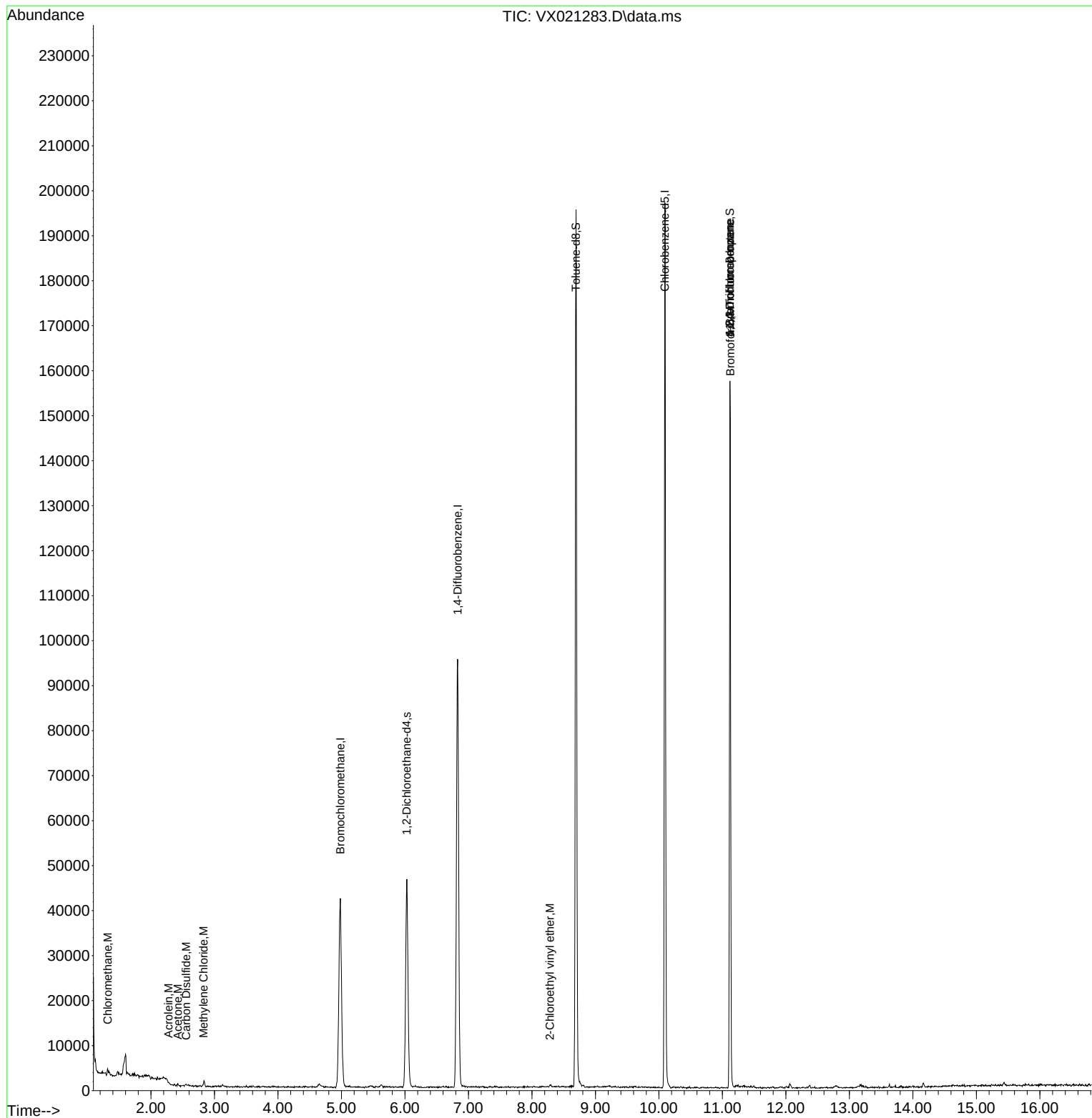
Internal Standards						
1) Bromochloromethane	4.982	128	16008	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	88798	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	79075	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	44314	30.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.27%
60) 4-Bromofluorobenzene	11.118	95	41341	28.59	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.30%
63) Toluene-d8	8.694	98	110011	30.67	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.23%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	975	0.89	ug/l	92
13) Acrolein	2.276	56	101	0.53	ug/l #	58
15) Acetone	2.423	58	57	0.38	ug/l #	1
16) Carbon Disulfide	2.552	76	578	0.22	ug/l #	75
18) Methylene Chloride	2.829	84	401	0.37	ug/l #	64
55) 2-Chloroethyl vinyl ether	8.282	63	256	0.28	ug/l #	43
56) Bromoform	11.124	173	292	0.33	ug/l #	1
72) 1,2,3-Trichloropropane	11.118	75	23205	14.96	ug/l	39
77) t-1,4-Dichloro-2-butene	11.118	75	23205	45.55	ug/l #	11

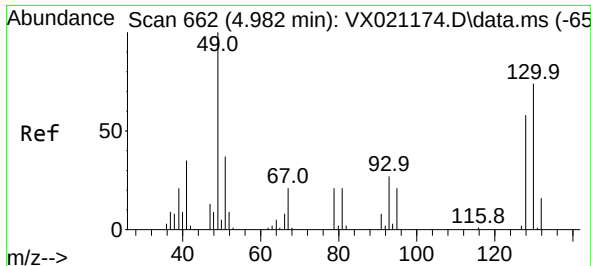
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Mar 19 02:51:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 12 12:55:27 2021
Response via : Initial Calibration

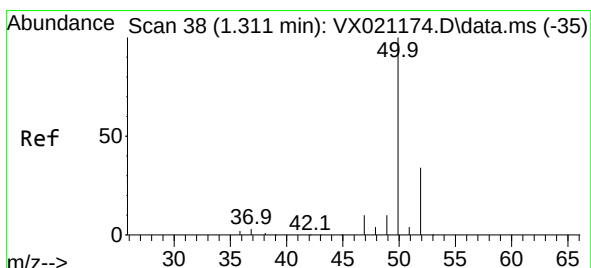
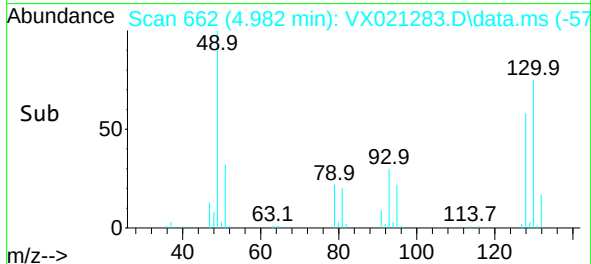
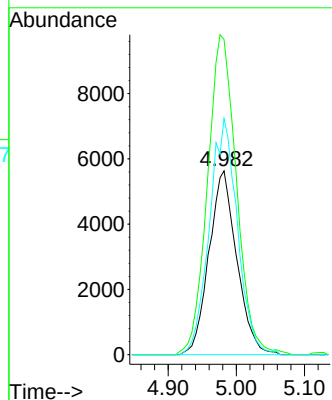
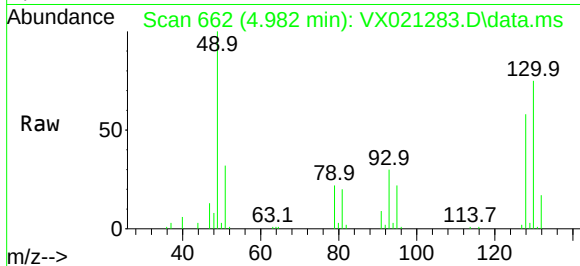




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. -0.000 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

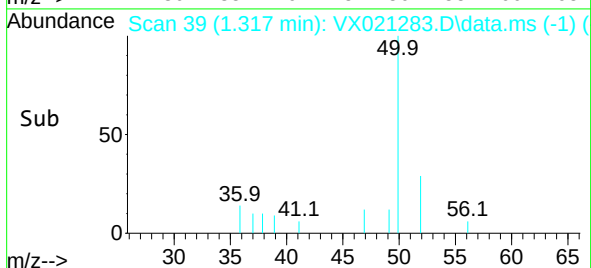
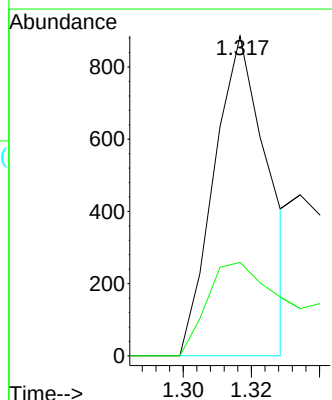
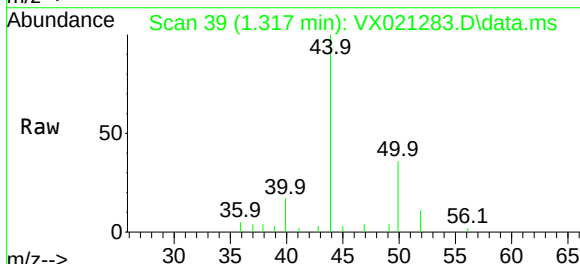
Instrument :
MSVOA_X
ClientSampled :

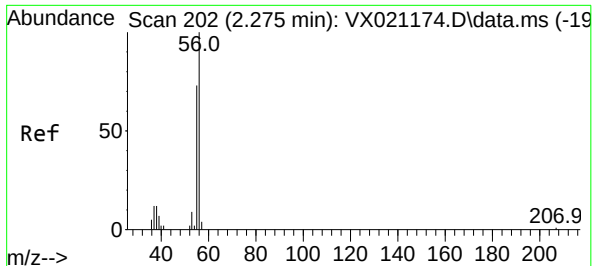
Tgt Ion:128 Resp: 16008
Ion Ratio Lower Upper
128 100
49 181.0 0.0 367.5
130 129.3 0.0 318.8



#3
Chloromethane
Concen: 0.89 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Tgt Ion: 50 Resp: 975
Ion Ratio Lower Upper
50 100
52 29.2 26.9 40.3

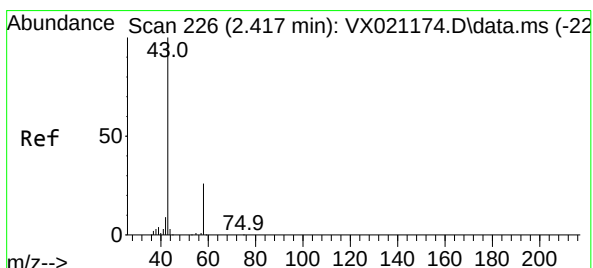
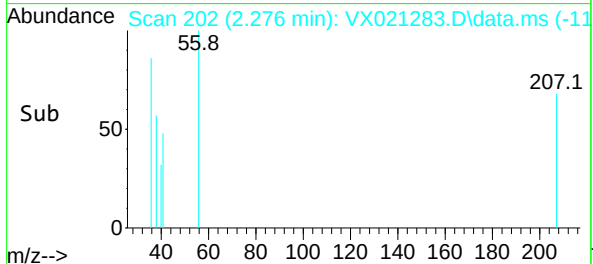
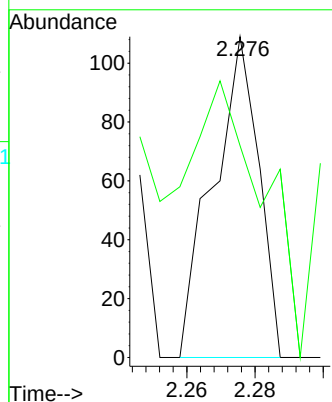
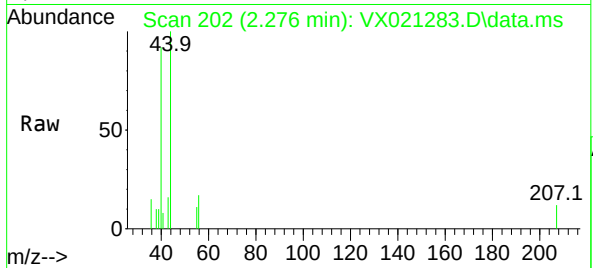




#13
Acrolein
Concen: 0.53 ug/l
RT: 2.276 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

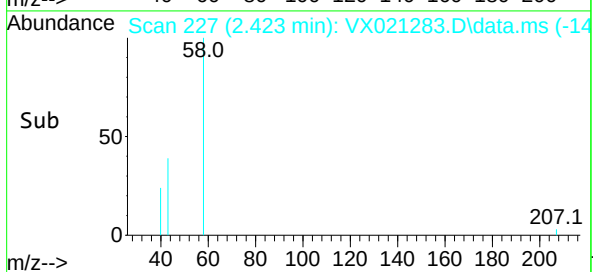
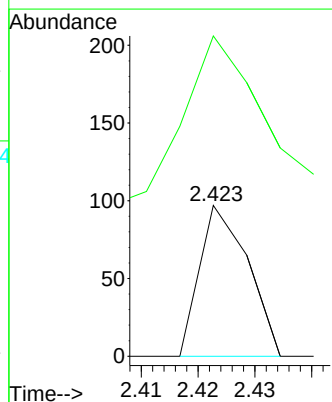
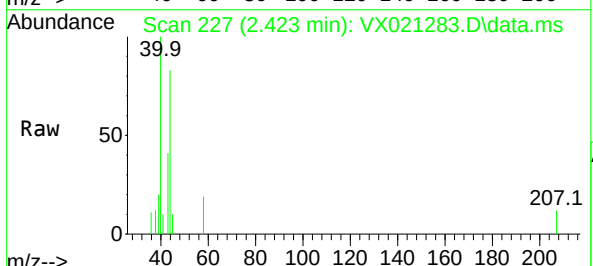
Instrument :
MSVOA_X
ClientSampled :

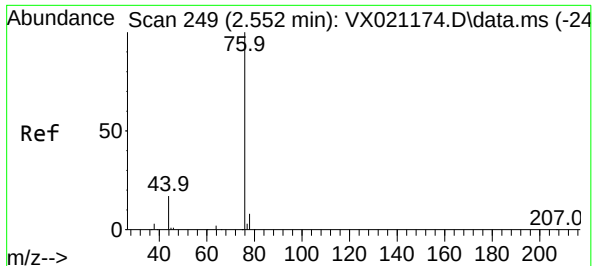
Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 105.0 56.3 84.5#



#15
Acetone
Concen: 0.38 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

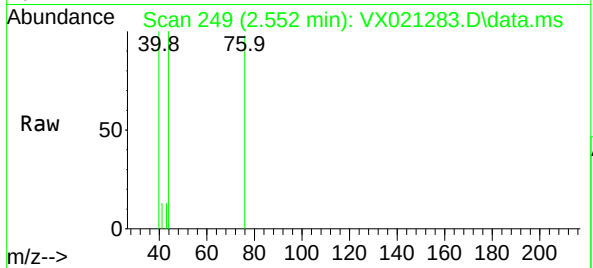
Tgt Ion: 58 Resp: 57
Ion Ratio Lower Upper
58 100
43 74.2 232.6 348.8#



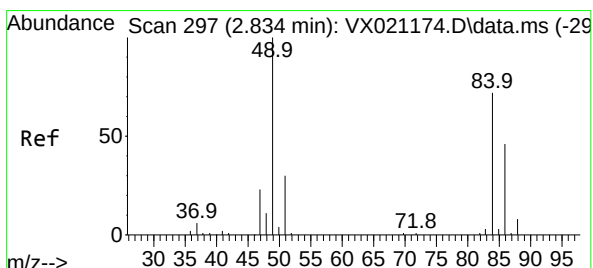
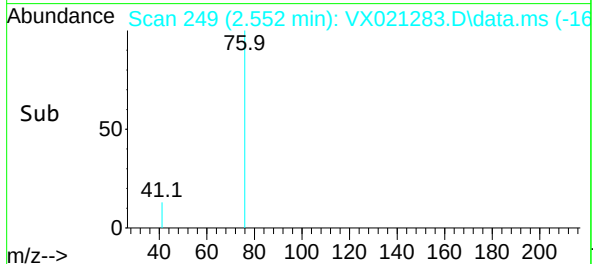
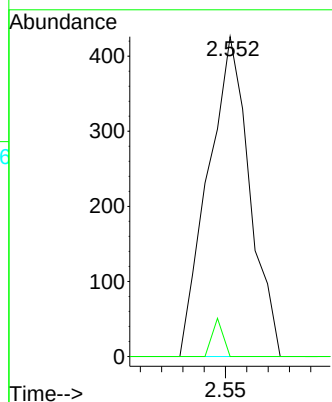


#16
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Instrument :
MSVOA_X
ClientSampled :

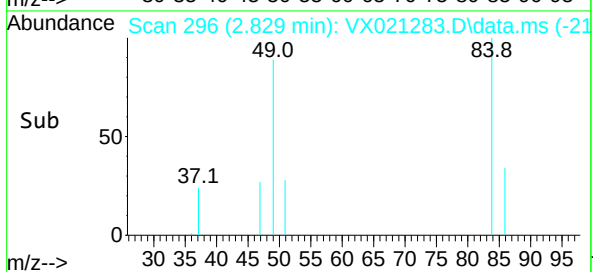
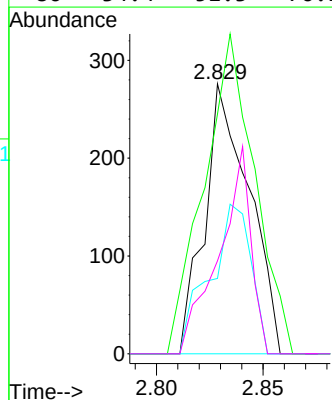
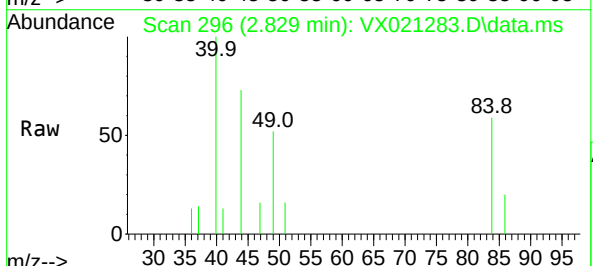


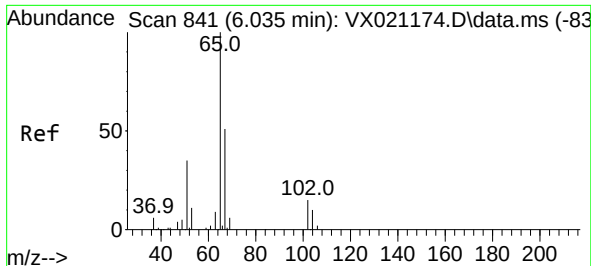
Tgt Ion: 76 Resp: 578
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.829 min Scan# 296
Delta R.T. -0.005 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Tgt Ion: 84 Resp: 401
Ion Ratio Lower Upper
84 100
49 67.4 90.6 136.0#
51 27.9 26.3 39.5
86 34.4 51.3 76.9#





#27

1,2-Dichloroethane-d4

Concen: 30.08 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.006 min

Lab File: VX021283.D

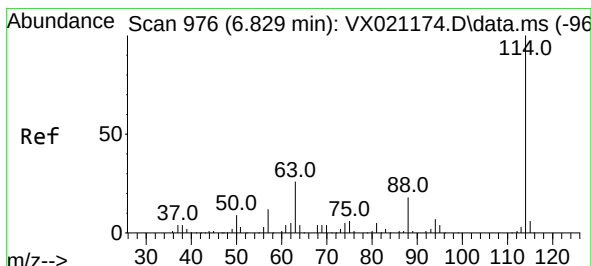
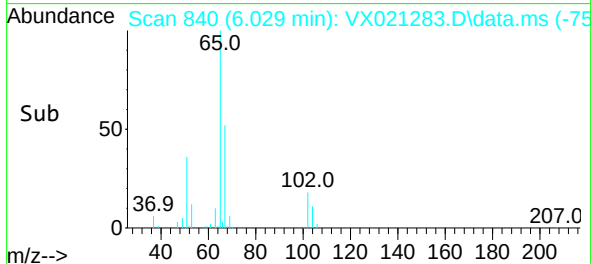
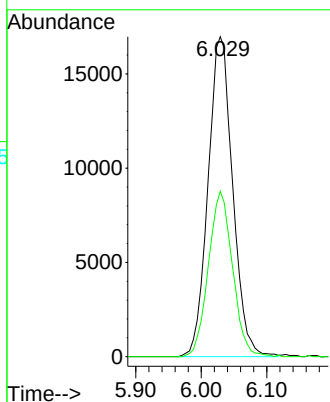
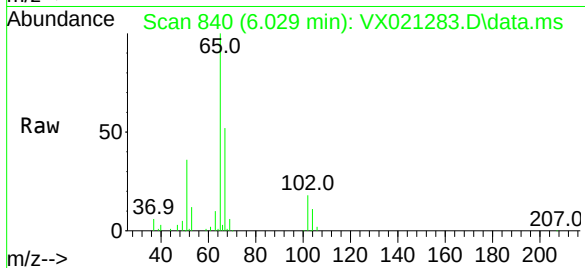
Acq: 18 Mar 2021 17:20

Tgt Ion: 65 Resp: 44314

Ion Ratio Lower Upper

65 100

67 50.5 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: VX021283.D

Acq: 18 Mar 2021 17:20

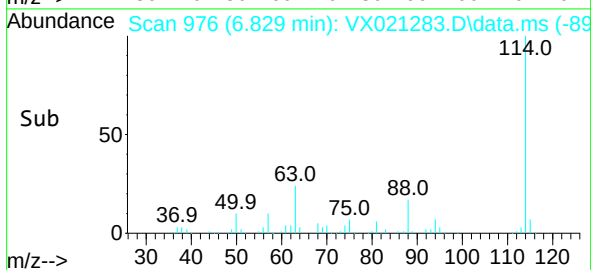
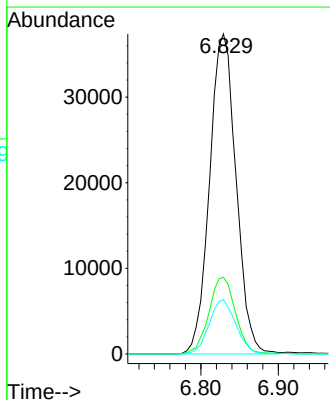
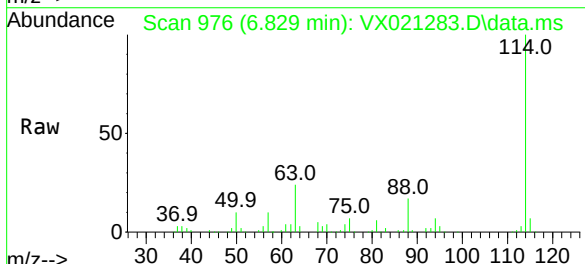
Tgt Ion: 114 Resp: 88798

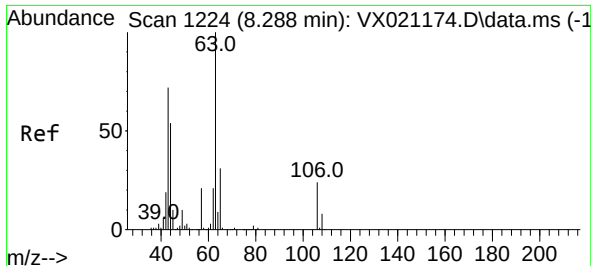
Ion Ratio Lower Upper

114 100

63 24.2 16.2 24.2

88 17.0 13.0 19.6

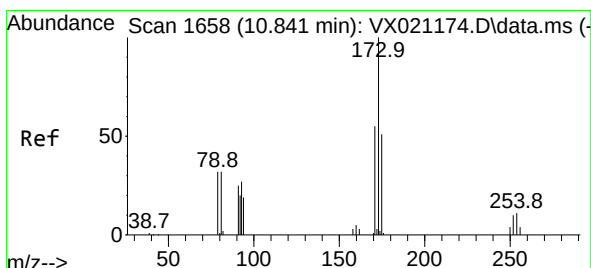
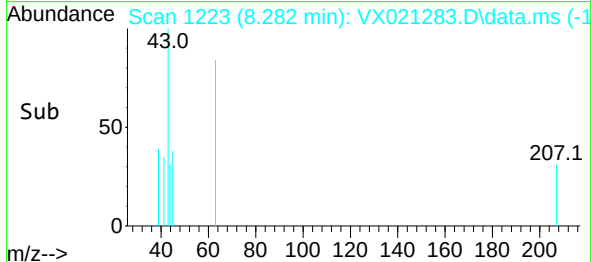
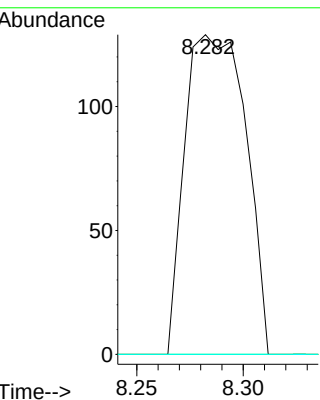
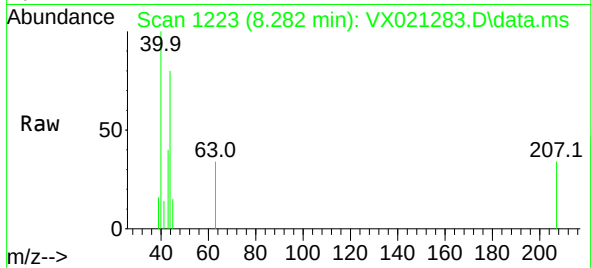




#55
2-Chloroethyl vinyl ether
Concen: 0.28 ug/l
RT: 8.282 min Scan# 1223
Delta R.T. -0.006 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

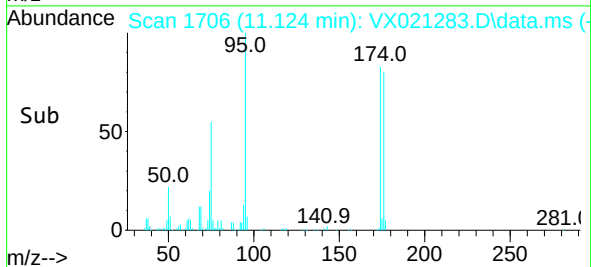
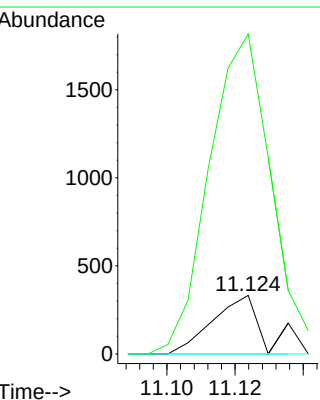
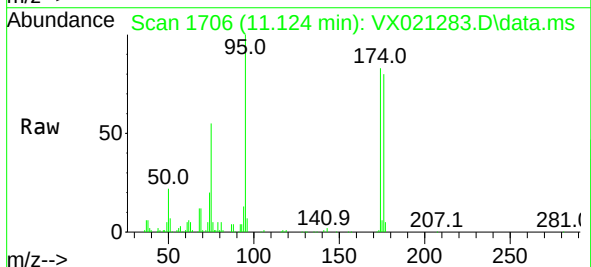
Instrument :
MSVOA_X
ClientSampled :

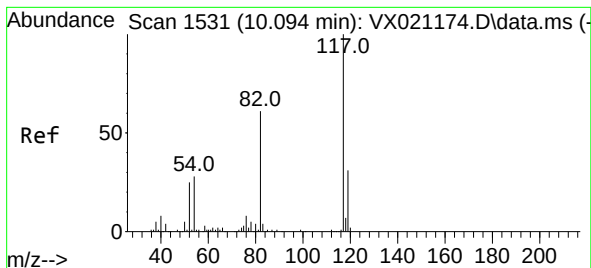
Tgt Ion: 63 Resp: 256
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#
106 0.0 23.9 35.9#



#56
Bromoform
Concen: 0.33 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.283 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Tgt Ion:173 Resp: 292
Ion Ratio Lower Upper
173 100
175 780.1 38.1 57.1#
254 0.0 8.2 12.4#

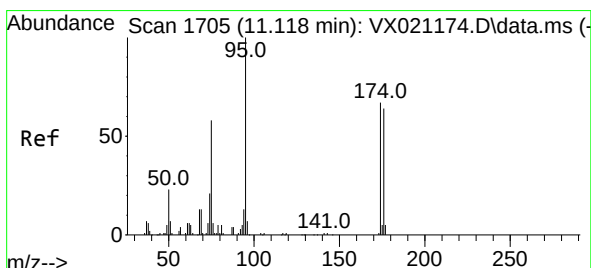
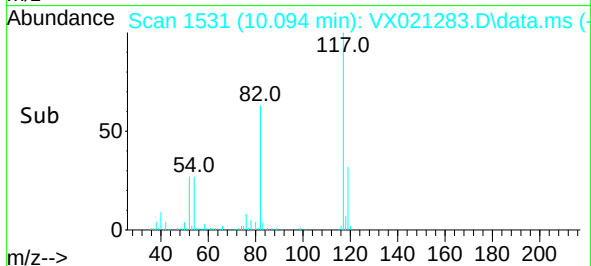
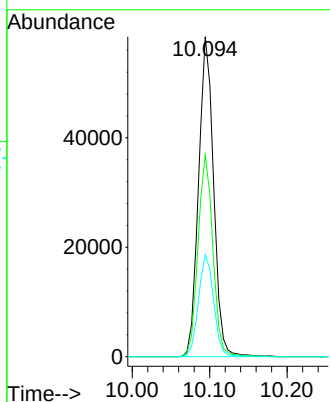
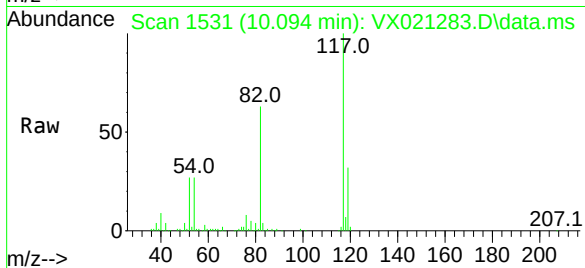




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

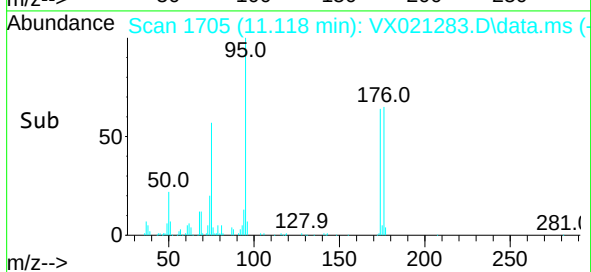
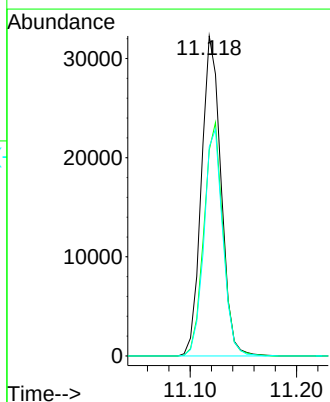
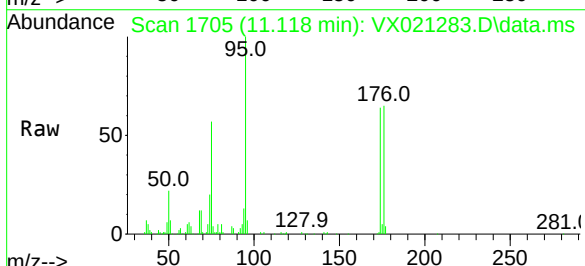
Instrument :
MSVOA_X
ClientSampleId :

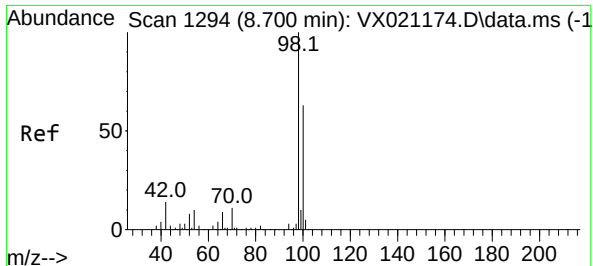
Tgt Ion:	117	Resp:	79075
Ion	Ratio	Lower	Upper
117	100		
82	62.1	45.0	67.6
119	32.2	25.6	38.4



#60
4-Bromofluorobenzene
Concen: 28.59 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Tgt Ion:	95	Resp:	41341
Ion	Ratio	Lower	Upper
95	100		
174	71.0	63.0	94.4
176	68.2	59.9	89.9

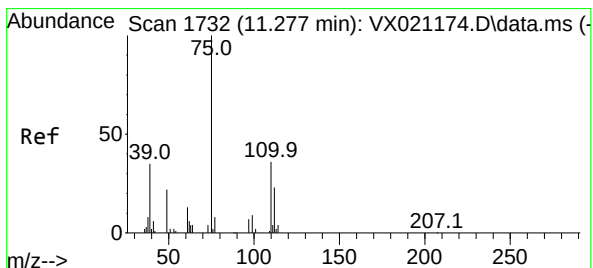
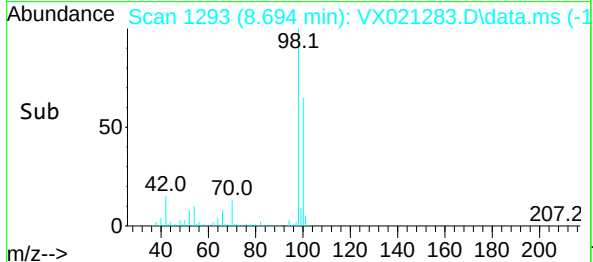
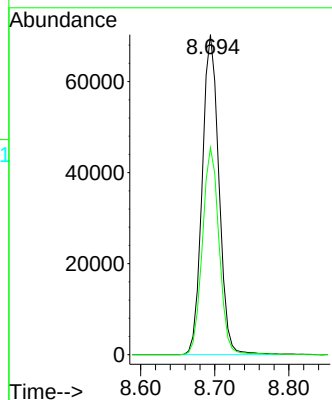
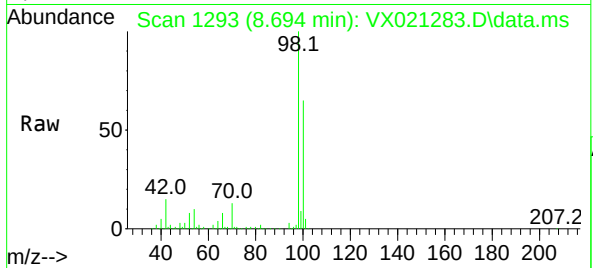




#63
Toluene-d8
Concen: 30.67 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

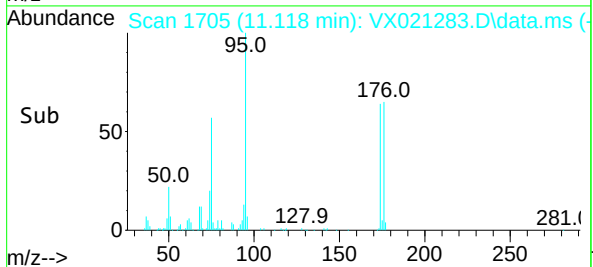
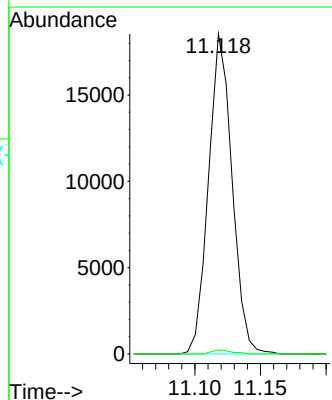
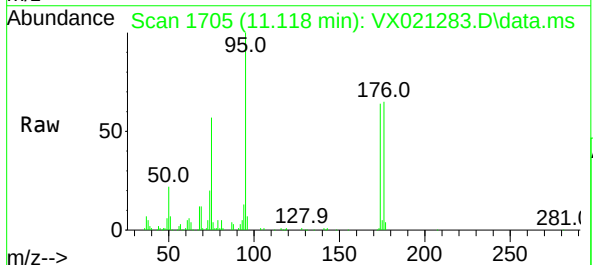
Instrument :
MSVOA_X
ClientSampled :

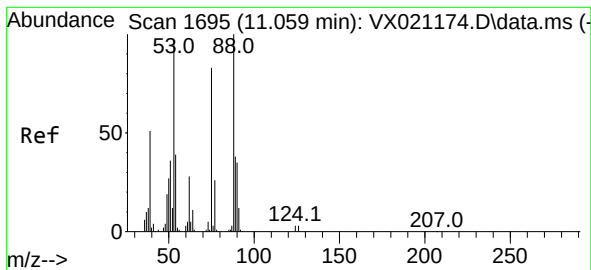
Tgt Ion: 98 Resp: 110011
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#72
1,2,3-Trichloropropane
Concen: 14.96 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021283.D
Acq: 18 Mar 2021 17:20

Tgt Ion: 75 Resp: 23205
Ion Ratio Lower Upper
75 100
77 1.1 0.0 74.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 45.55 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021283.D
 Acq: 18 Mar 2021 17:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 23205
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.4 145.0#
 89 0.0 22.7 68.0#

