

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021286.D
 Acq On : 18 Mar 2021 18:54
 Operator : JC/MD
 Sample : L1715-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 02:53:12 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)

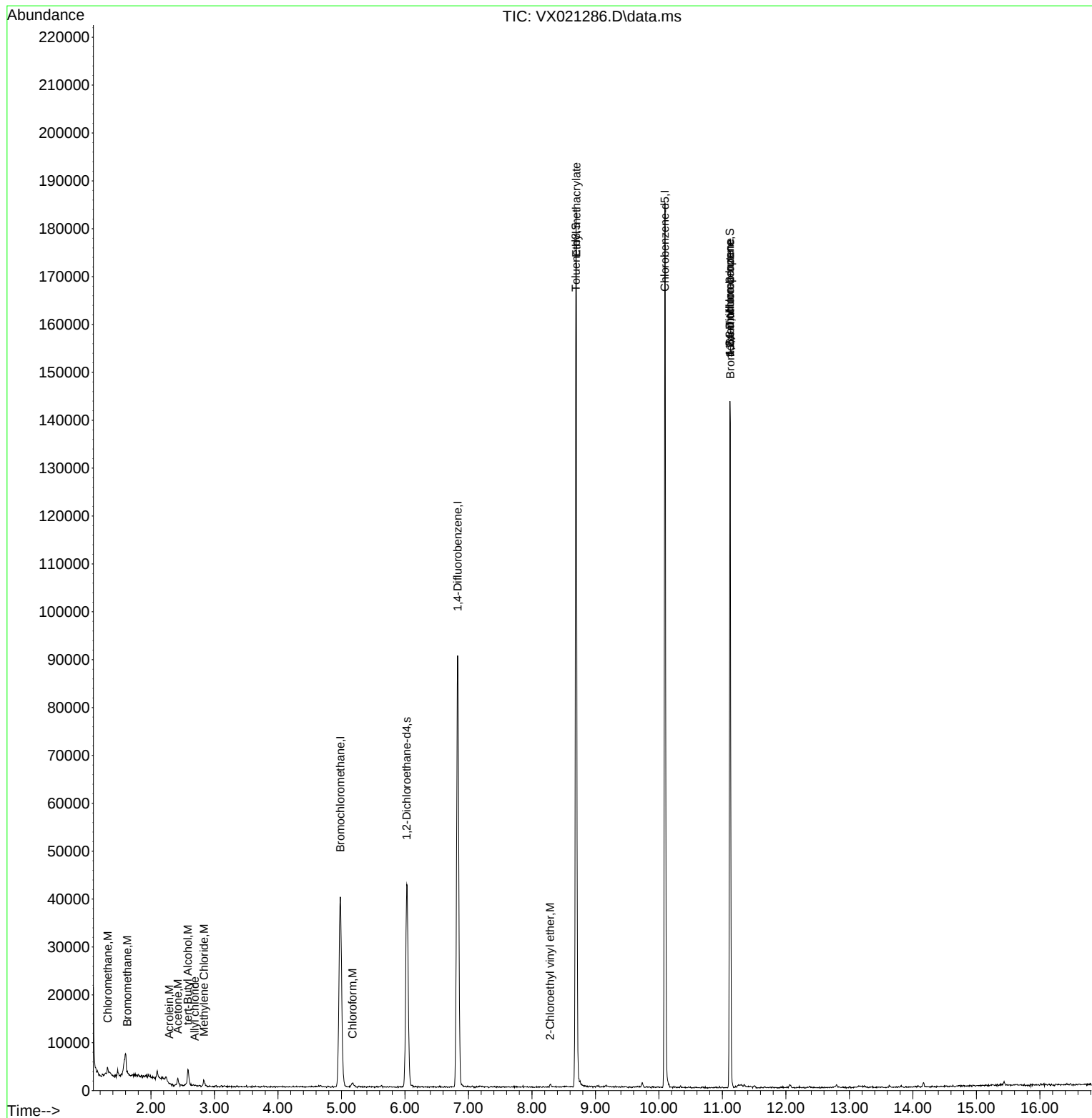
Internal Standards						
1) Bromochloromethane	4.982	128	15528	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	82840	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	75115	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	42926	30.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.10%
60) 4-Bromofluorobenzene	11.118	95	38063	27.71	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.37%
63) Toluene-d8	8.694	98	102014	29.94	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.80%
Target Compounds						Qvalue
3) Chloromethane	1.316	50	1207	1.14	ug/l	98
5) Bromomethane	1.628	94	188	0.30	ug/l	91
13) Acrolein	2.287	56	51	0.28	ug/l #	69
15) Acetone	2.422	58	377	2.58	ug/l	99
17) Allyl chloride	2.687	41	379	0.21	ug/l #	33
18) Methylene Chloride	2.834	84	500	0.48	ug/l	93
23) tert-Butyl Alcohol	2.581	59	96	0.40	ug/l #	100
25) Chloroform	5.176	83	890	0.45	ug/l #	83
51) Ethyl methacrylate	8.700	69	465	0.29	ug/l #	59
55) 2-Chloroethyl vinyl ether	8.288	63	222	0.26	ug/l #	43
56) Bromoform	11.124	173	220	0.27	ug/l #	1
72) 1,2,3-Trichloropropane	11.118	75	21448	14.56	ug/l	40
77) t-1,4-Dichloro-2-butene	11.118	75	21448	44.33	ug/l #	11

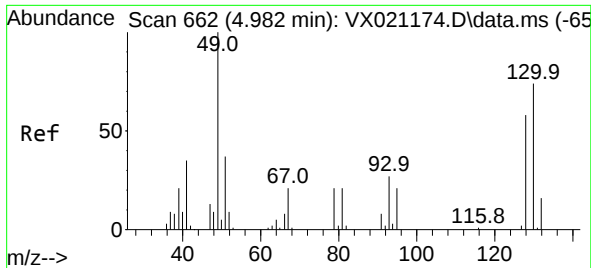
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Mar 19 02:53:12 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

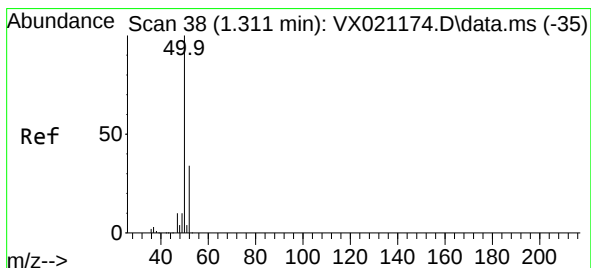
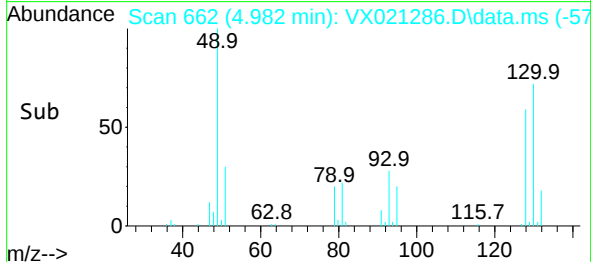
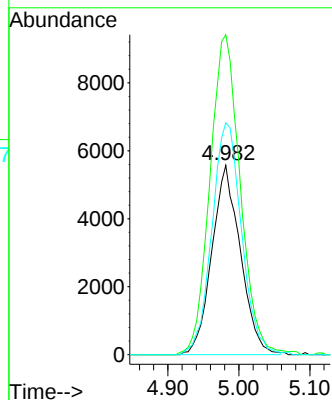
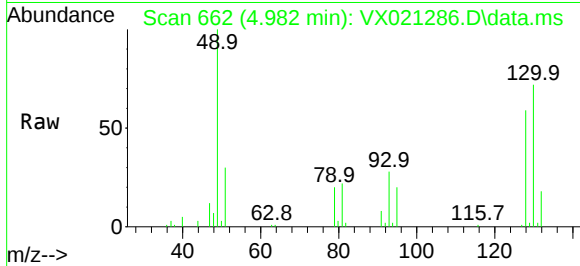




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. -0.000 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

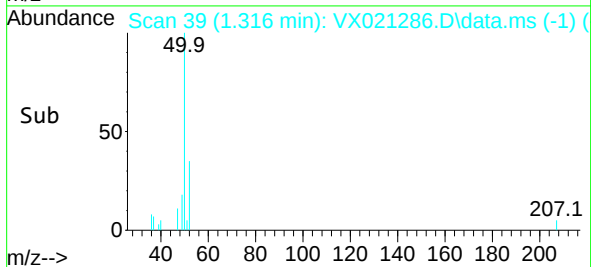
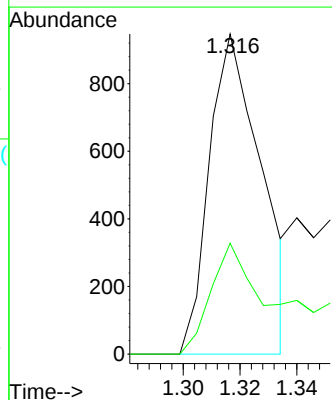
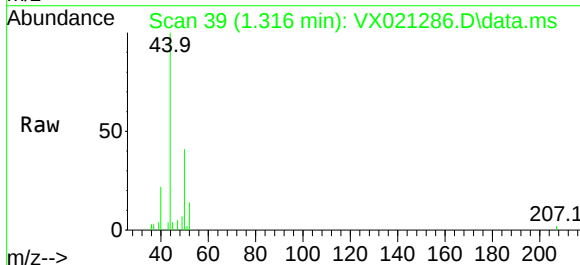
Instrument :
MSVOA_X
ClientSampleId :

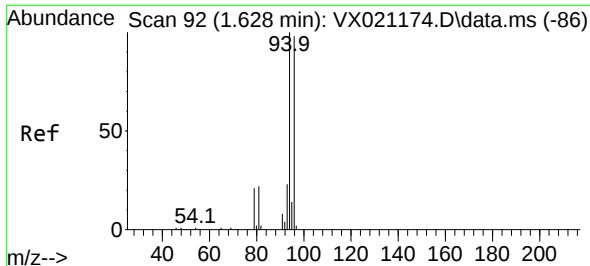
Tgt Ion:128 Resp: 15528
Ion Ratio Lower Upper
128 100
49 179.2 0.0 367.5
130 127.7 0.0 318.8



#3
Chloromethane
Concen: 1.14 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Tgt Ion: 50 Resp: 1207
Ion Ratio Lower Upper
50 100
52 34.6 26.9 40.3

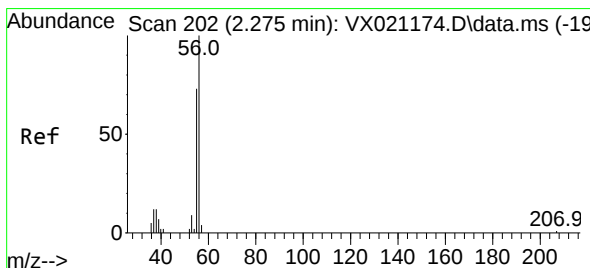
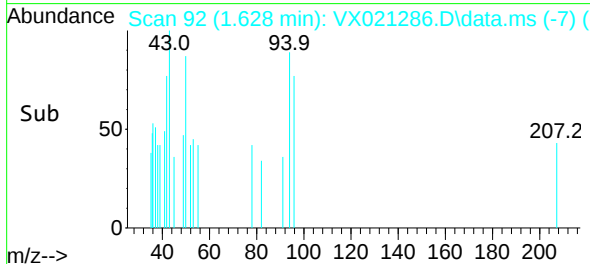
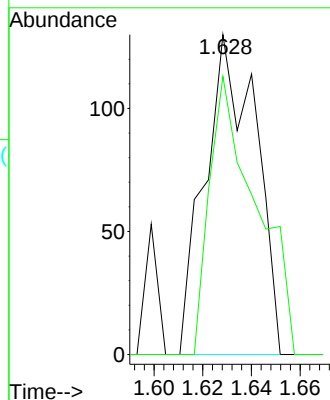
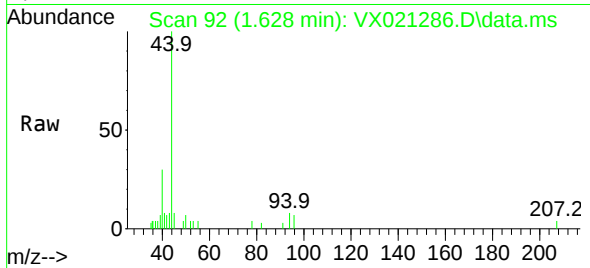




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

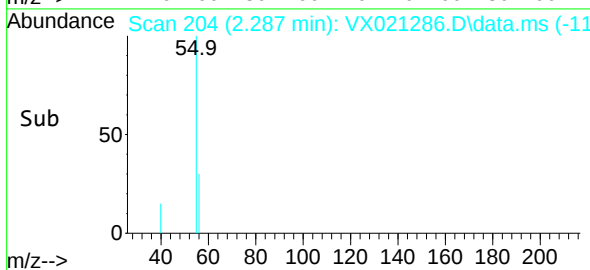
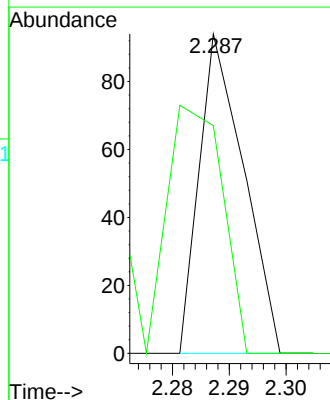
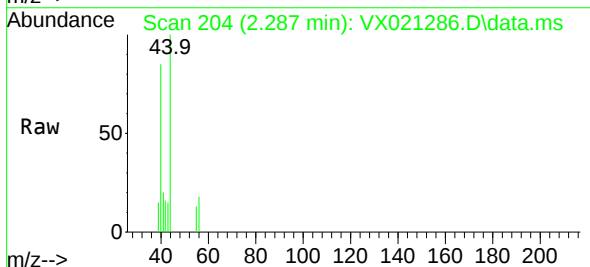
Instrument :
MSVOA_X
ClientSampled :

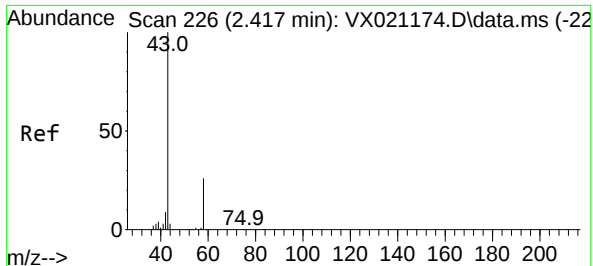
Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 86.9 76.6 114.8



#13
Acrolein
Concen: 0.28 ug/l
RT: 2.287 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 96.1 56.3 84.5#

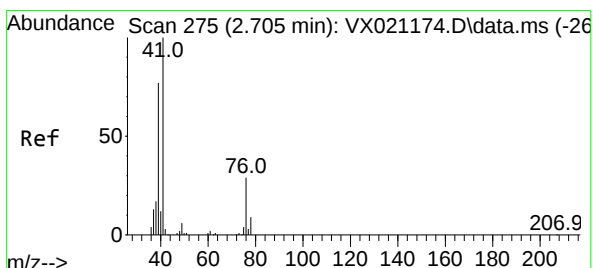
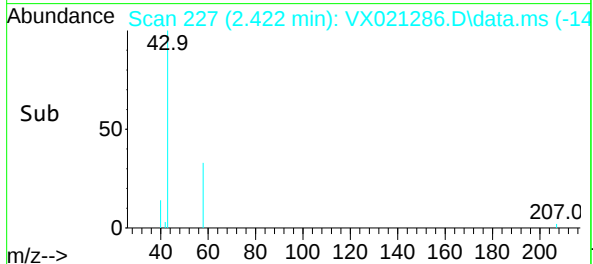
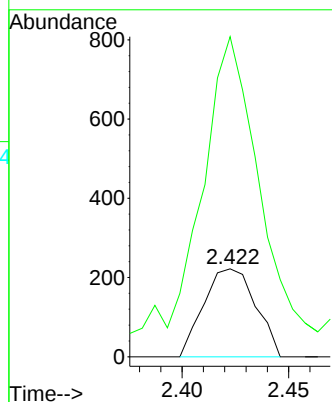
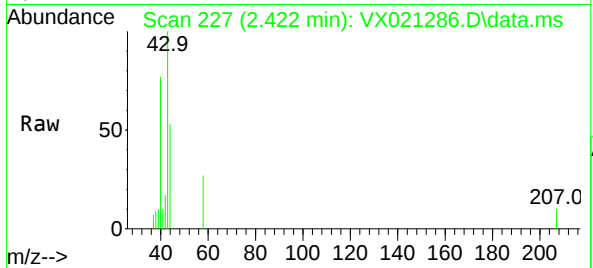




#15
Acetone
Concen: 2.58 ug/l
RT: 2.422 min Scan# 227
Delta R.T. 0.005 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

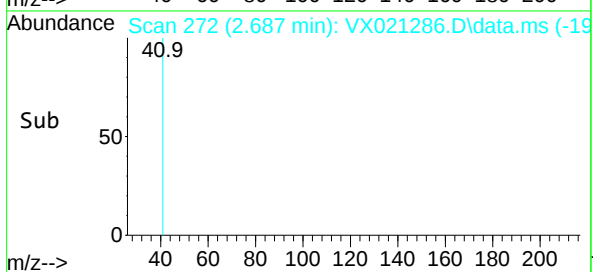
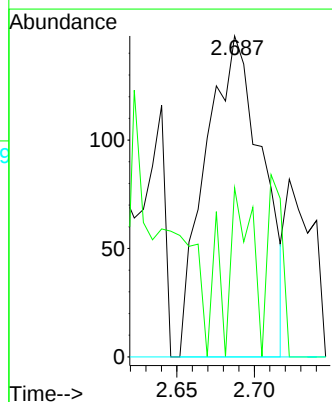
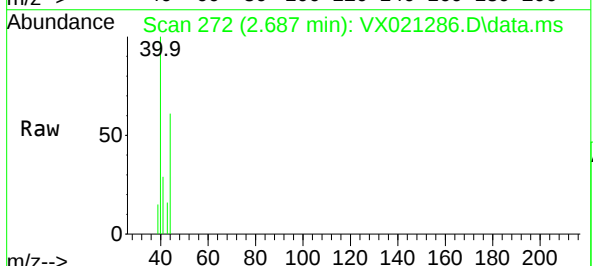
Instrument :
MSVOA_X
ClientSampled :

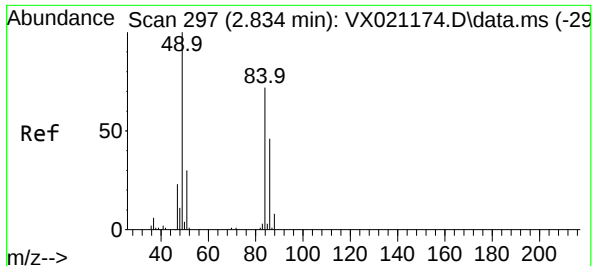
Tgt Ion: 58 Resp: 377
Ion Ratio Lower Upper
58 100
43 291.9 232.6 348.8



#17
Allyl chloride
Concen: 0.21 ug/l
RT: 2.687 min Scan# 272
Delta R.T. -0.018 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Tgt Ion: 41 Resp: 379
Ion Ratio Lower Upper
41 100
39 14.9 34.8 104.4#
76 0.0 21.3 63.9#





#18

Methylene Chloride

Concen: 0.48 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021286.D

Acq: 18 Mar 2021 18:54

Tgt Ion: 84 Resp: 500

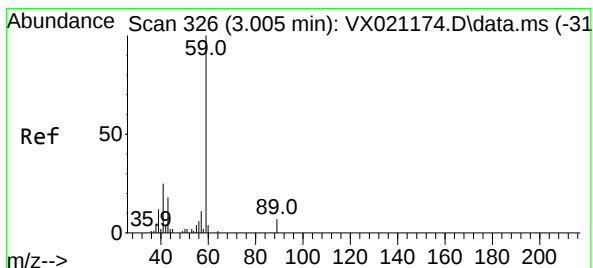
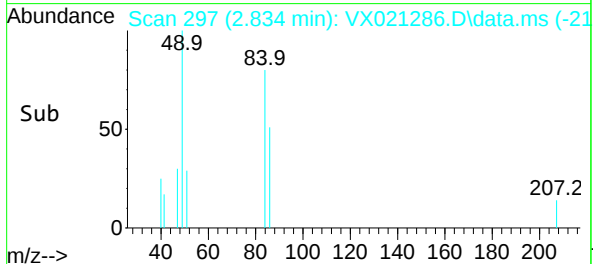
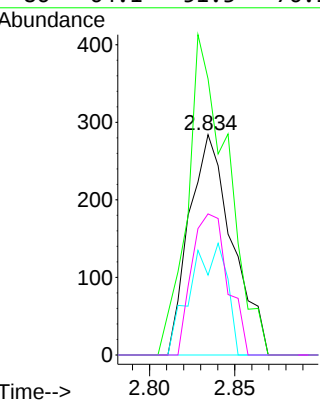
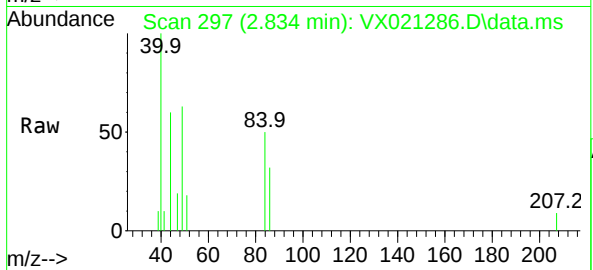
Ion Ratio Lower Upper

84 100

49 125.4 90.6 136.0

51 36.3 26.3 39.5

86 64.1 51.3 76.9



#23

tert-Butyl Alcohol

Concen: 0.40 ug/l

RT: 2.581 min Scan# 254

Delta R.T. -0.424 min

Lab File: VX021286.D

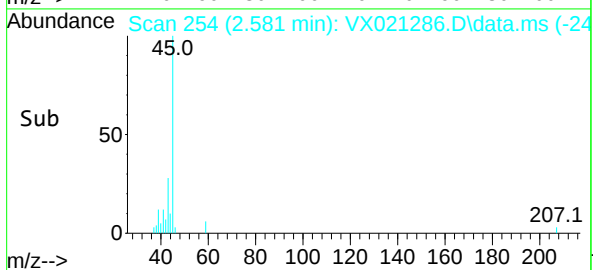
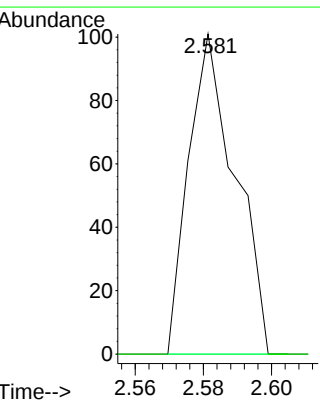
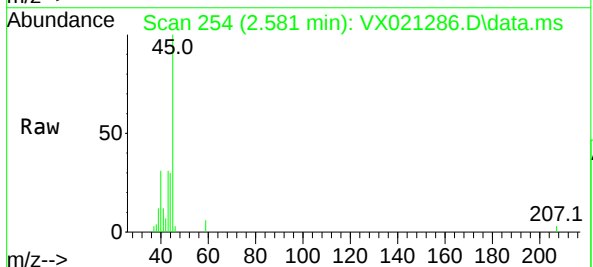
Acq: 18 Mar 2021 18:54

Tgt Ion: 59 Resp: 96

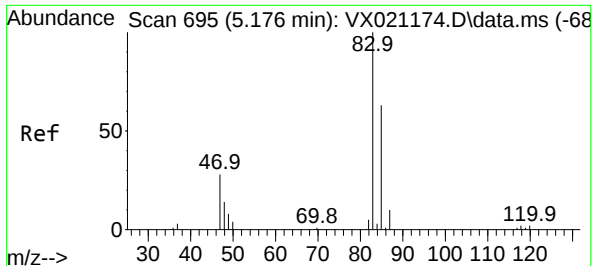
Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Instrument :
MSVOA_X
ClientSampled :



#25

Chloroform

Concen: 0.45 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX021286.D

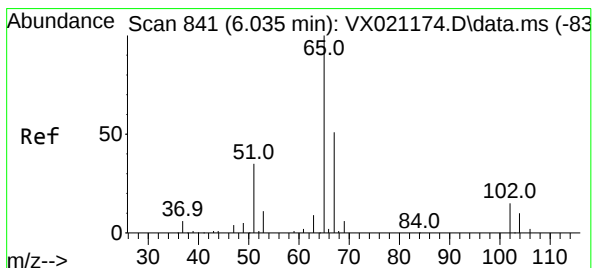
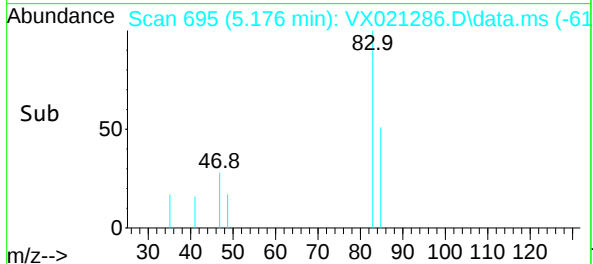
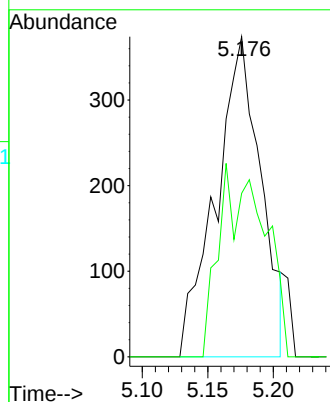
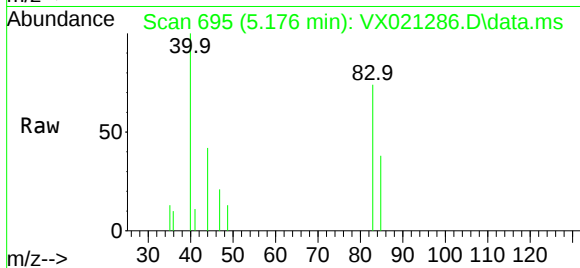
Acq: 18 Mar 2021 18:54

Tgt Ion: 83 Resp: 890

Ion Ratio Lower Upper

83 100

85 51.1 51.2 76.8#



#27

1,2-Dichloroethane-d4

Concen: 30.03 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.006 min

Lab File: VX021286.D

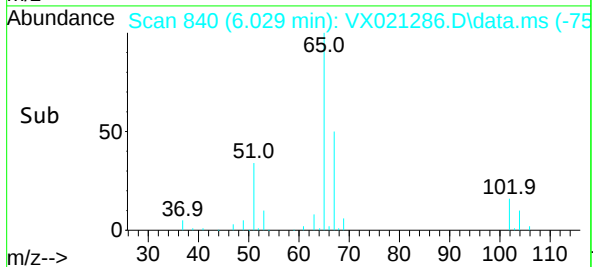
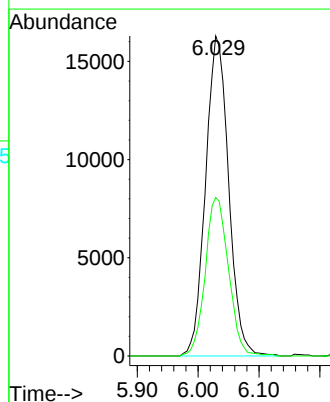
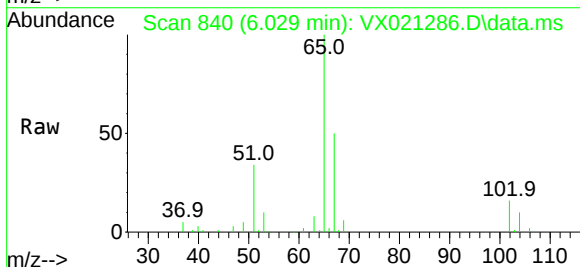
Acq: 18 Mar 2021 18:54

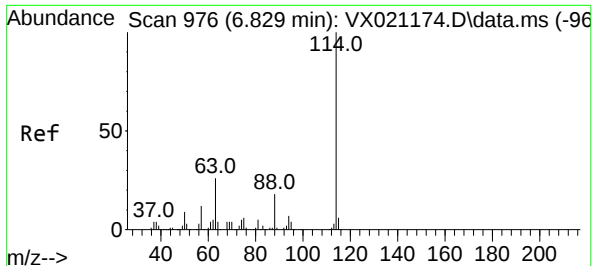
Tgt Ion: 65 Resp: 42926

Ion Ratio Lower Upper

65 100

67 49.8 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.829 min Scan# 976

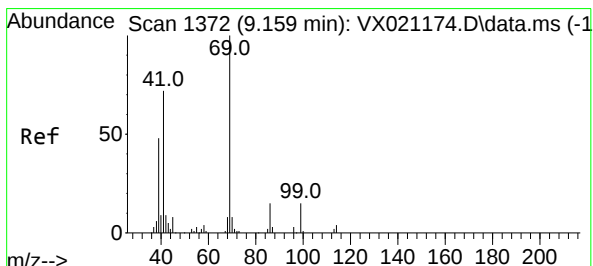
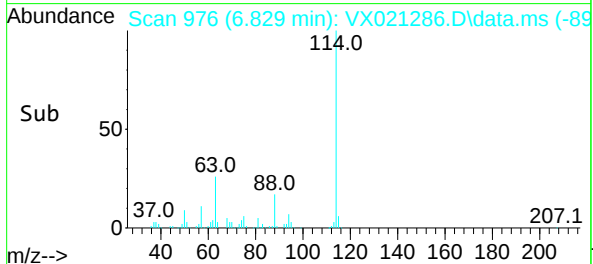
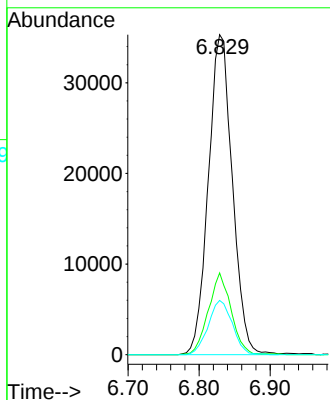
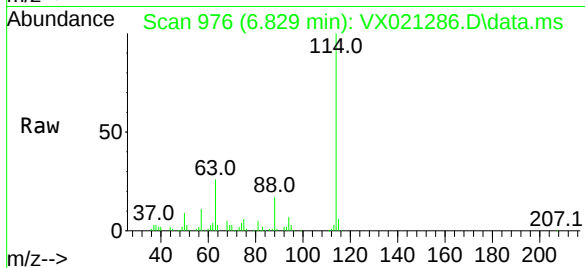
Delta R.T. 0.000 min

Lab File: VX021286.D

Acq: 18 Mar 2021 18:54

Tgt Ion:	114	Resp:	82840
Ion	Ratio	Lower	Upper
114	100		
63	24.2	16.2	24.2
88	17.0	13.0	19.6

Instrument :
MSVOA_X
ClientSampleId :



#51

Ethyl methacrylate

Concen: 0.29 ug/l

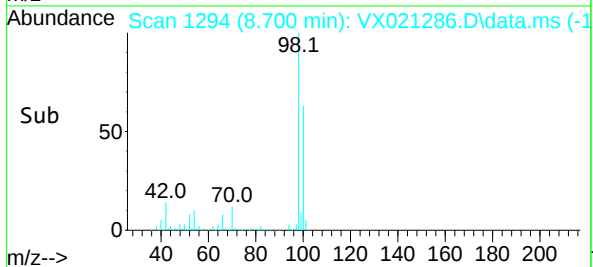
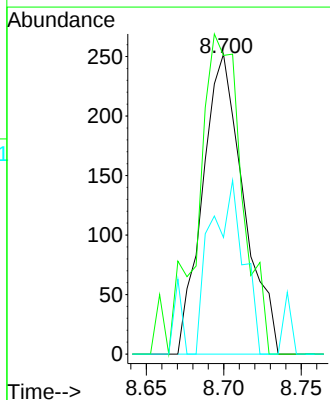
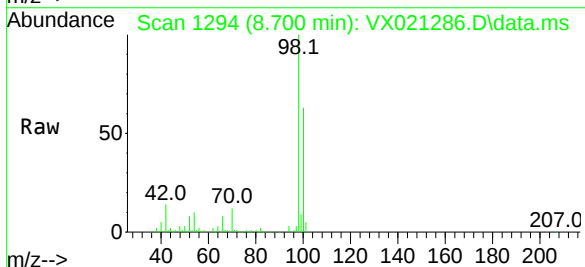
RT: 8.700 min Scan# 1294

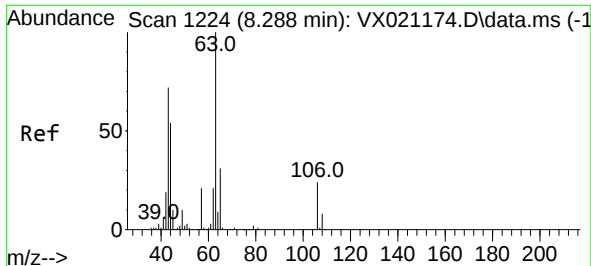
Delta R.T. -0.459 min

Lab File: VX021286.D

Acq: 18 Mar 2021 18:54

Tgt Ion:	69	Resp:	465
Ion	Ratio	Lower	Upper
69	100		
41	99.6	29.1	87.4#
39	38.9	15.4	46.1

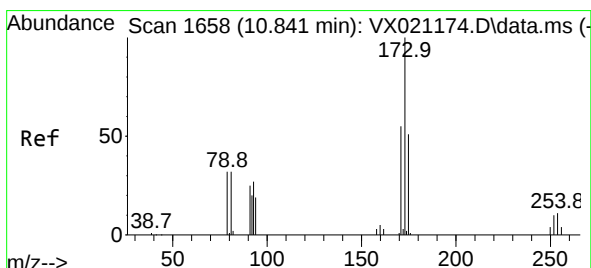
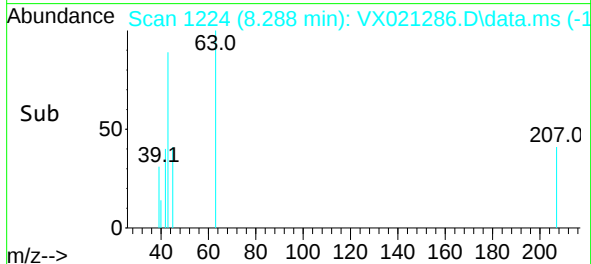
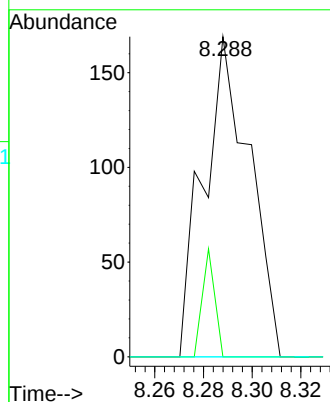
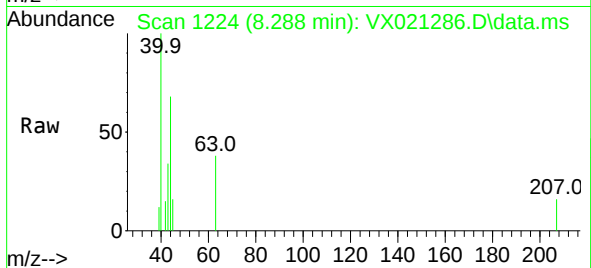




#55
2-Chloroethyl vinyl ether
Concen: 0.26 ug/l
RT: 8.288 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

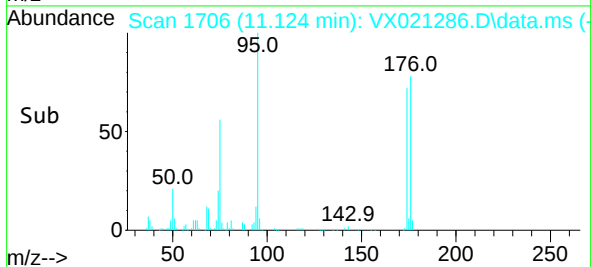
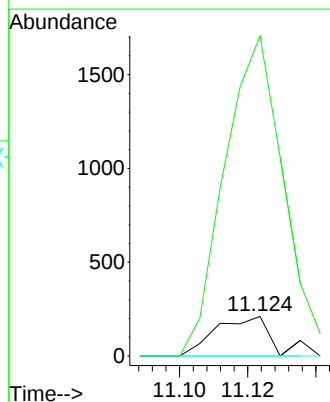
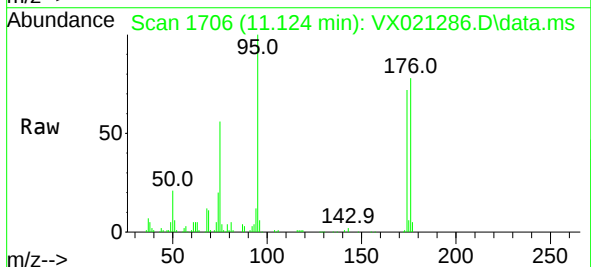
Instrument :
MSVOA_X
ClientSampled :

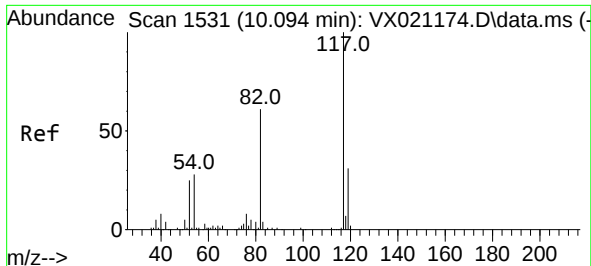
Tgt Ion:	63	Resp:	222
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.9	38.9#
106	0.0	23.9	35.9#



#56
Bromoform
Concen: 0.27 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.282 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Tgt Ion:	173	Resp:	220
Ion	Ratio	Lower	Upper
173	100		
175	930.9	38.1	57.1#
254	0.0	8.2	12.4#

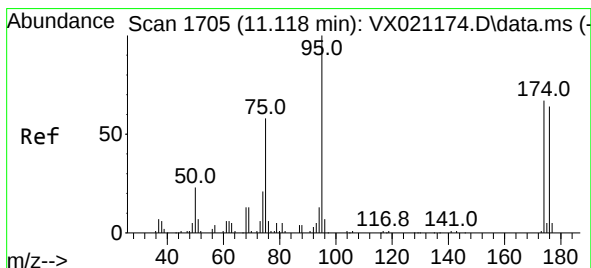
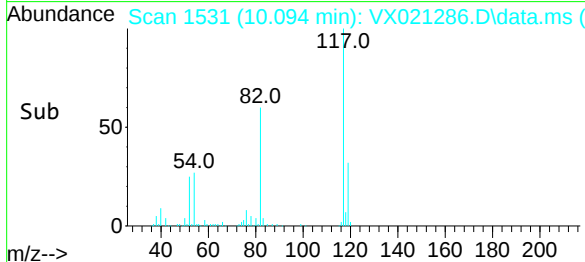
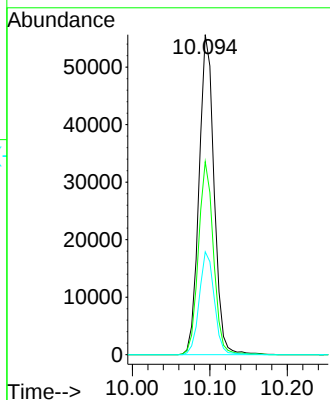
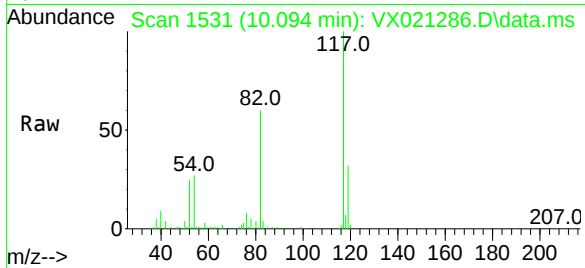




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

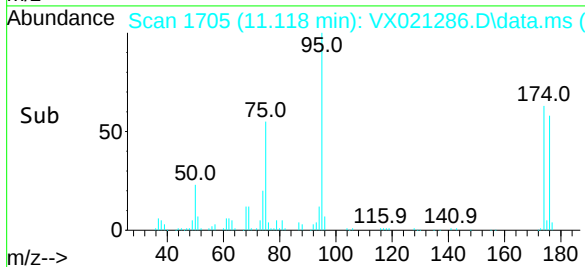
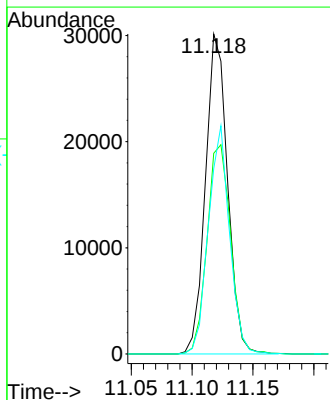
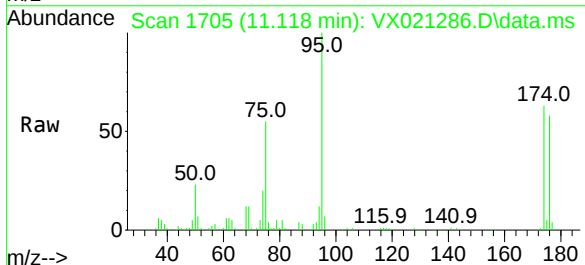
Instrument :
MSVOA_X
ClientSampled :

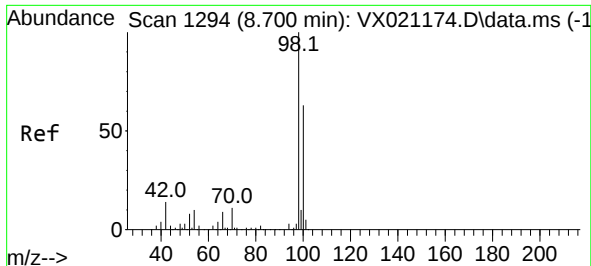
Tgt Ion:117 Resp: 75115
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 32.2 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 27.71 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Tgt Ion: 95 Resp: 38063
Ion Ratio Lower Upper
95 100
174 69.9 63.0 94.4
176 68.2 59.9 89.9

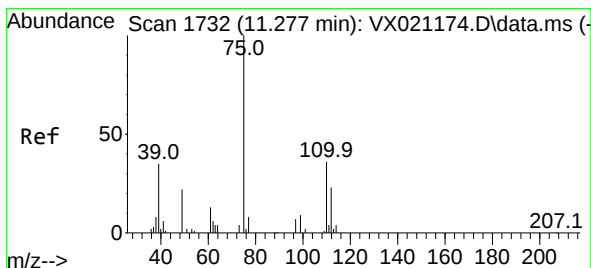
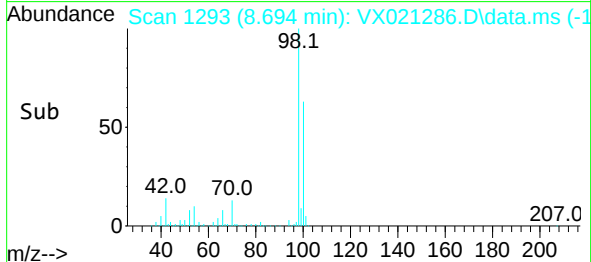
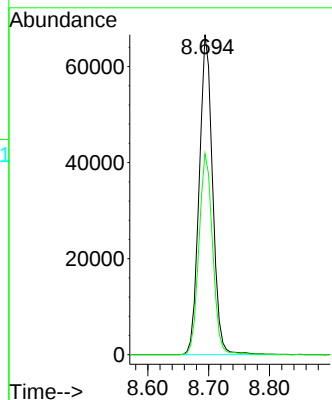
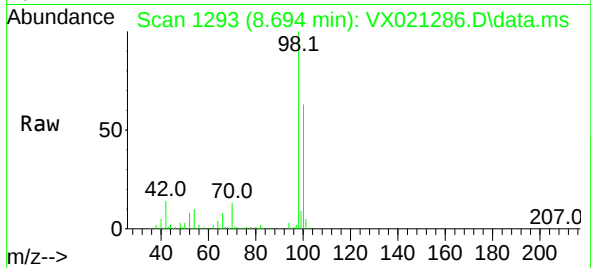




#63
Toluene-d8
Concen: 29.94 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

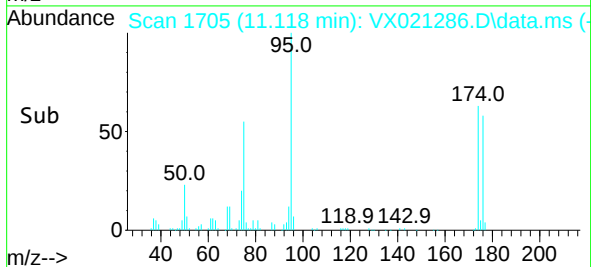
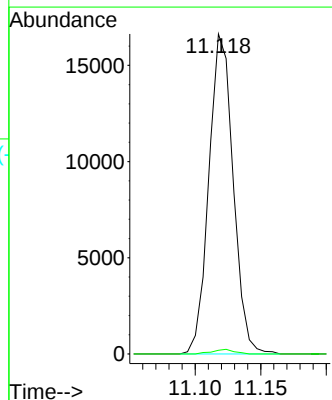
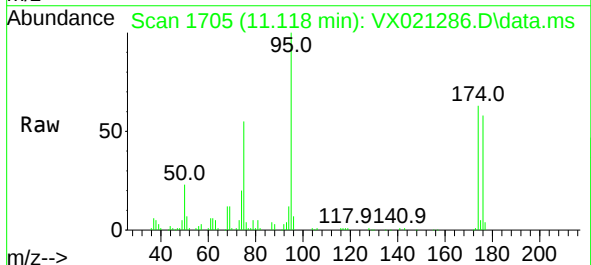
Instrument :
MSVOA_X
ClientSampled :

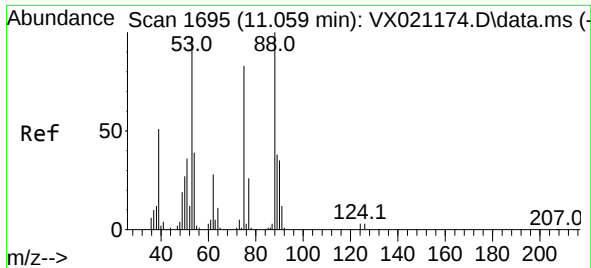
Tgt Ion: 98 Resp: 102014
Ion Ratio Lower Upper
98 100
100 63.9 53.0 79.4



#72
1,2,3-Trichloropropane
Concen: 14.56 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

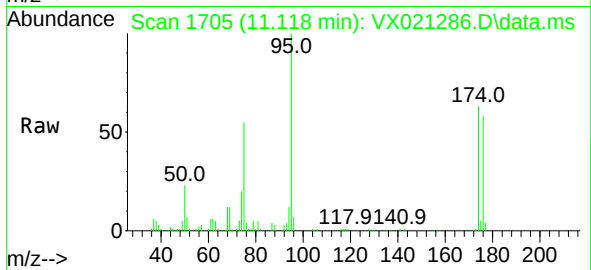
Tgt Ion: 75 Resp: 21448
Ion Ratio Lower Upper
75 100
77 1.3 0.0 74.6





#77
t-1,4-Dichloro-2-butene
Concen: 44.33 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021286.D
Acq: 18 Mar 2021 18:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 21448

Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.4	145.0#
89	0.0	22.7	68.0#

