

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021289.D
 Acq On : 18 Mar 2021 20:04
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 02:54:11 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)

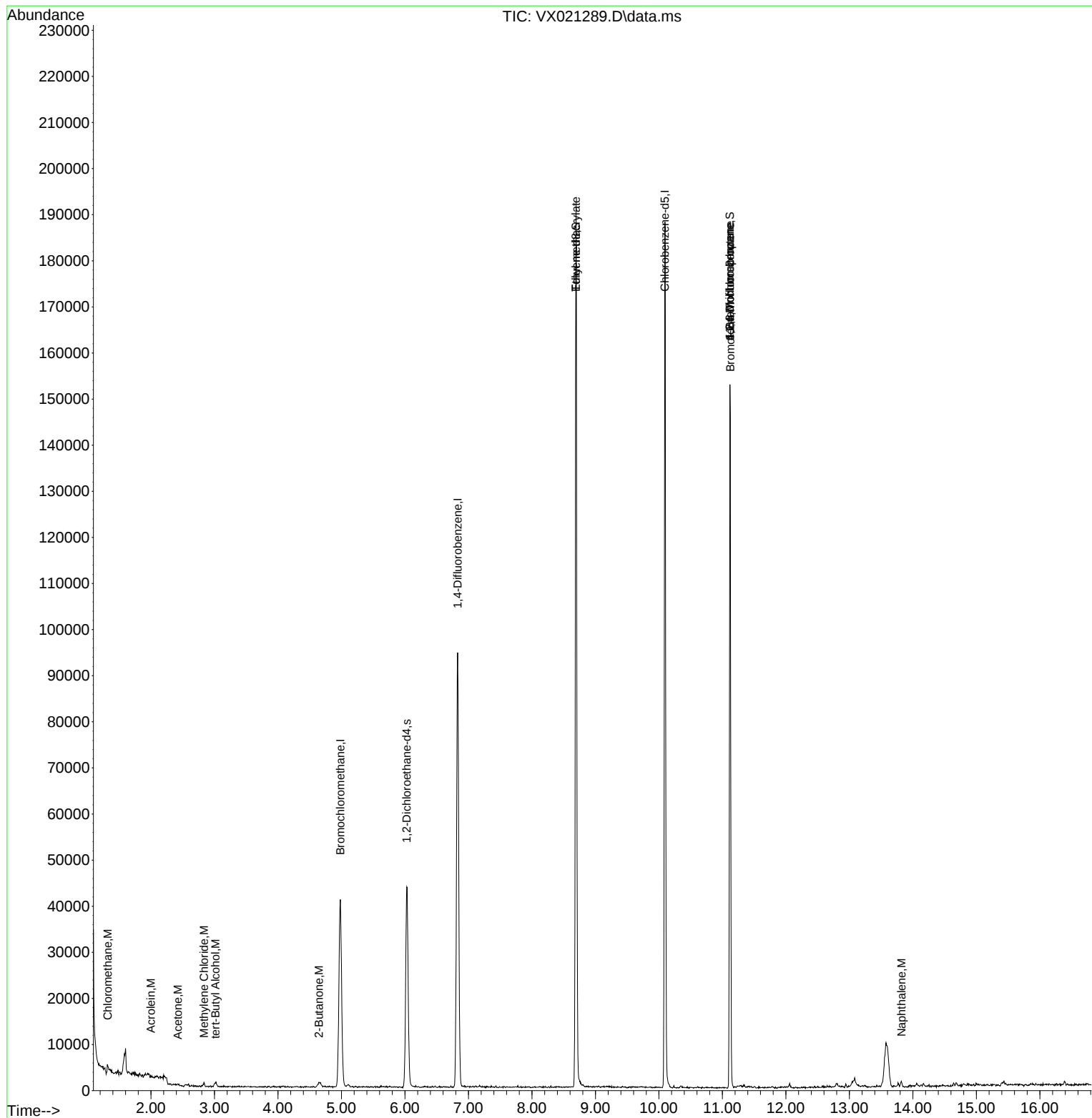
Internal Standards						
1) Bromochloromethane	4.982	128	15917	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	87676	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	78771	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	44011	30.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.13%
60) 4-Bromofluorobenzene	11.118	95	40865	28.37	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.57%
63) Toluene-d8	8.694	98	108418	30.34	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.13%
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1235	1.14	ug/l	94
13) Acrolein	1.999	56	84	0.45	ug/l	100
15) Acetone	2.423	58	52	0.35	ug/l #	11
18) Methylene Chloride	2.834	84	243	0.23	ug/l #	70
23) tert-Butyl Alcohol	3.017	59	933	3.75	ug/l #	100
30) 2-Butanone	4.646	43	349	0.43	ug/l #	52
51) Ethyl methacrylate	8.694	69	431	0.25	ug/l #	50
56) Bromoform	11.124	173	341	0.39	ug/l #	1
72) 1,2,3-Trichloropropane	11.118	75	23390	15.14	ug/l	40
77) t-1,4-Dichloro-2-butene	11.118	75	23390	46.10	ug/l #	11
91) Naphthalene	13.818	128	918	0.23	ug/l	97

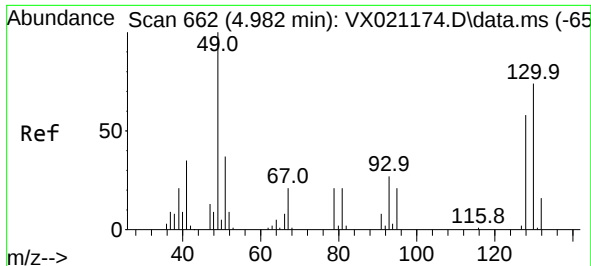
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 19 02:54:11 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
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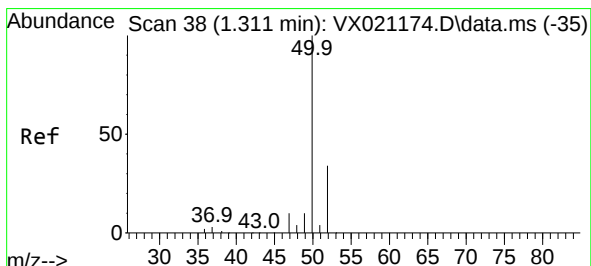
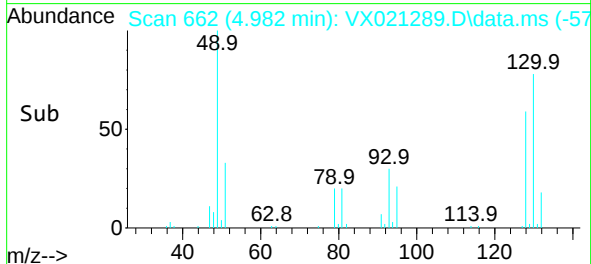
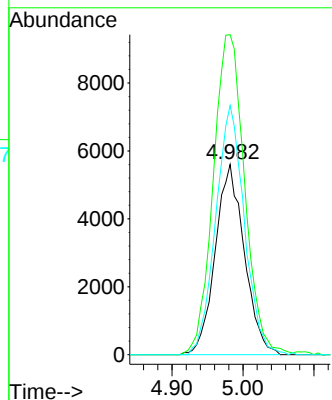
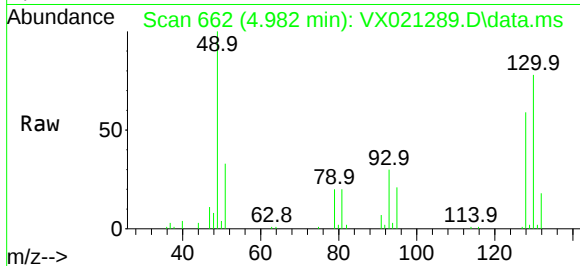




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. -0.000 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

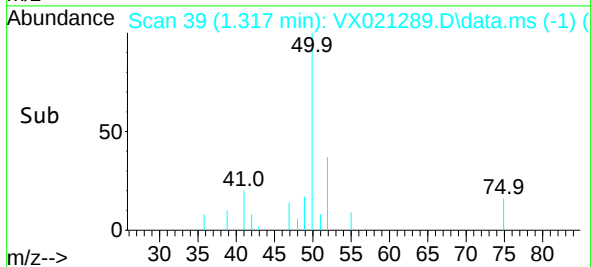
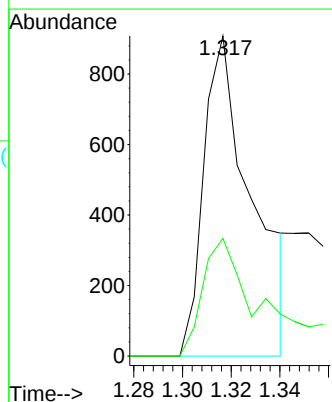
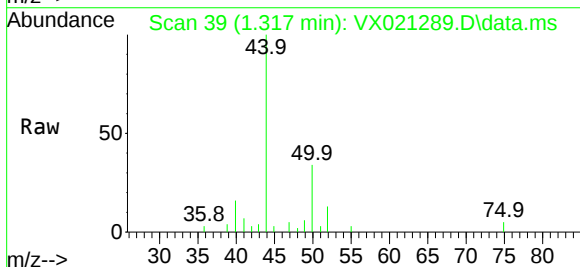
Instrument :
MSVOA_X
ClientSampled :

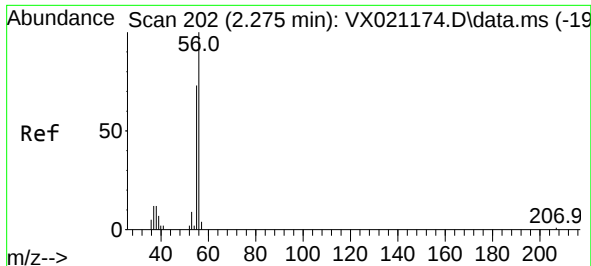
Tgt Ion:128 Resp: 15917
Ion Ratio Lower Upper
128 100
49 180.4 0.0 367.5
130 129.2 0.0 318.8



#3
Chloromethane
Concen: 1.14 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

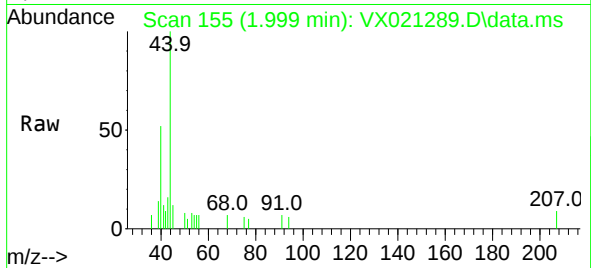
Tgt Ion: 50 Resp: 1235
Ion Ratio Lower Upper
50 100
52 36.8 26.9 40.3



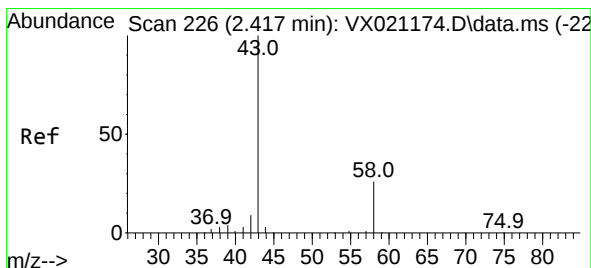
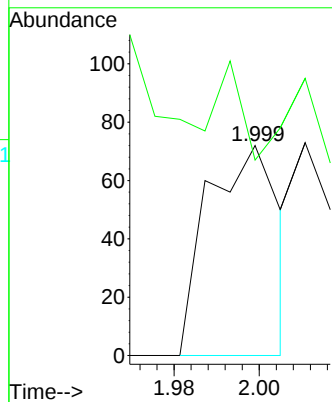
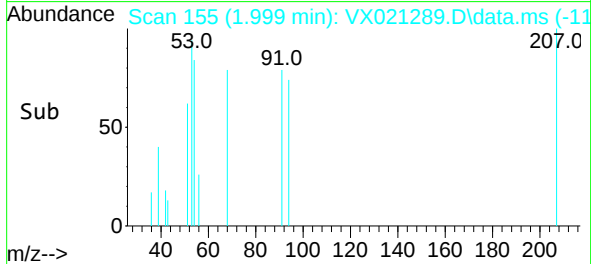


#13
Acrolein
Concen: 0.45 ug/l
RT: 1.999 min Scan# 155
Delta R.T. -0.276 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

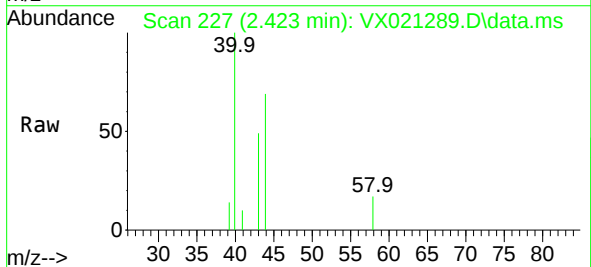
Instrument :
MSVOA_X
ClientSampled :



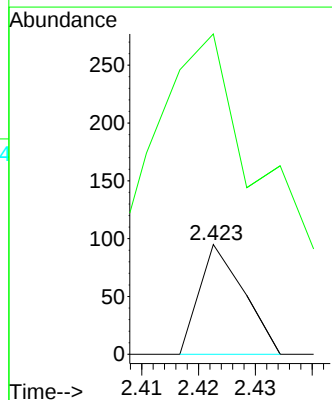
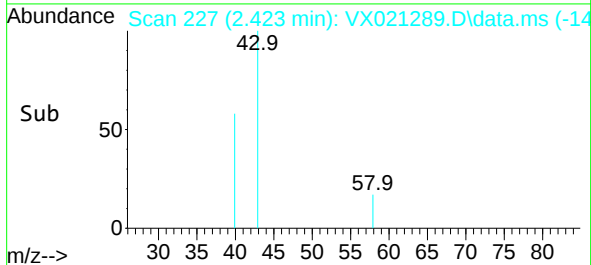
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 70.2 56.3 84.5

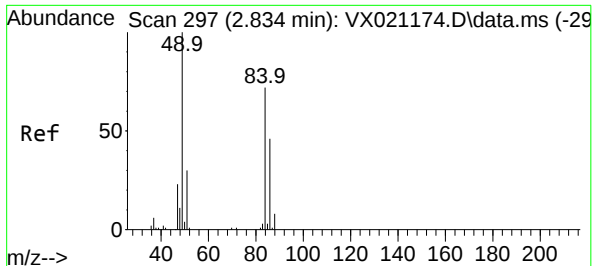


#15
Acetone
Concen: 0.35 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04



Tgt Ion: 58 Resp: 52
Ion Ratio Lower Upper
58 100
43 120.0 232.6 348.8#





#18

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021289.D

Acq: 18 Mar 2021 20:04

Tgt Ion: 84 Resp: 243

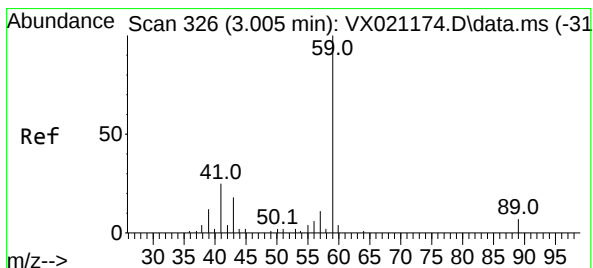
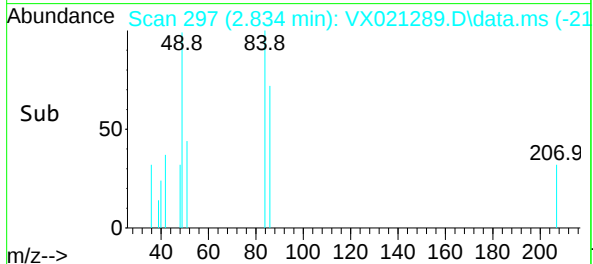
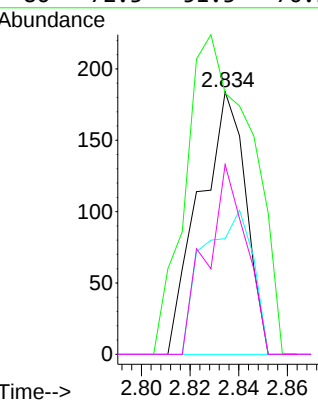
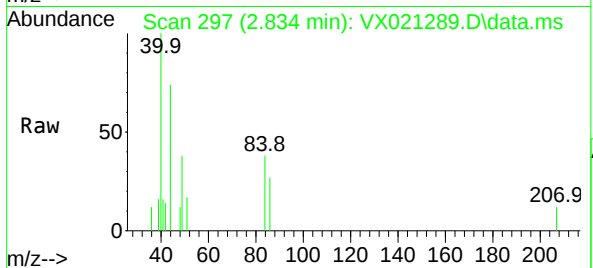
Ion Ratio Lower Upper

84 100

49 66.8 90.6 136.0#

51 44.0 26.3 39.5#

86 72.3 51.3 76.9



#23

tert-Butyl Alcohol

Concen: 3.75 ug/l

RT: 3.017 min Scan# 328

Delta R.T. 0.012 min

Lab File: VX021289.D

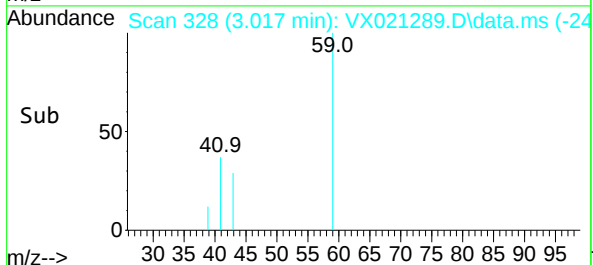
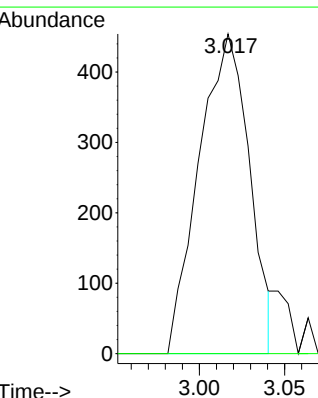
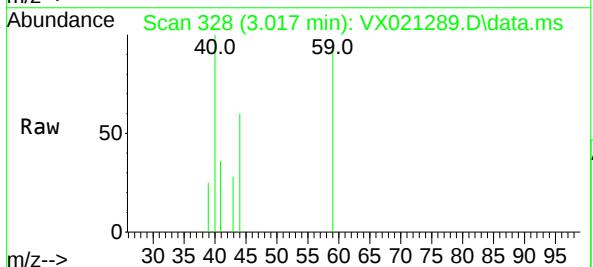
Acq: 18 Mar 2021 20:04

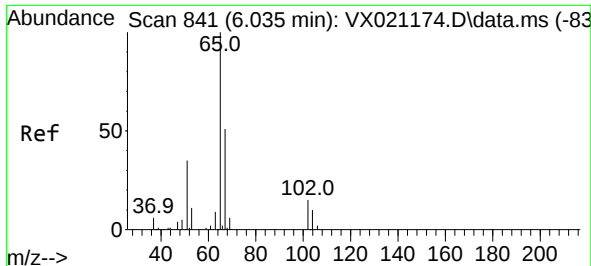
Tgt Ion: 59 Resp: 933

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 30.04 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.006 min

Lab File: VX021289.D

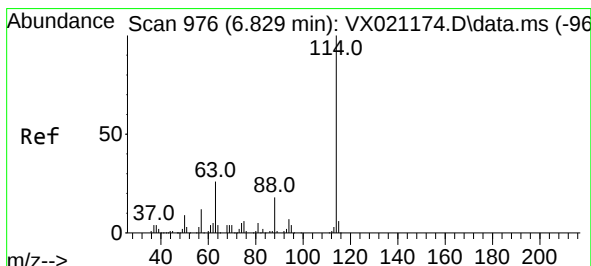
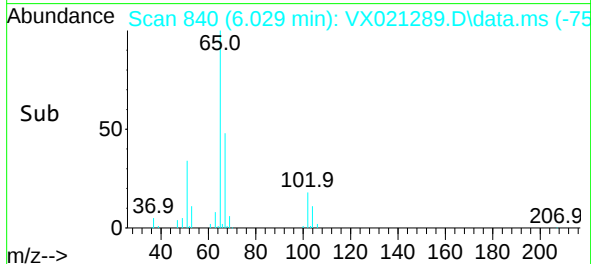
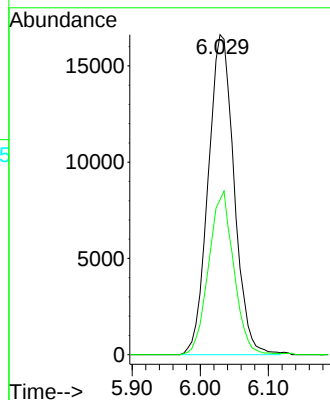
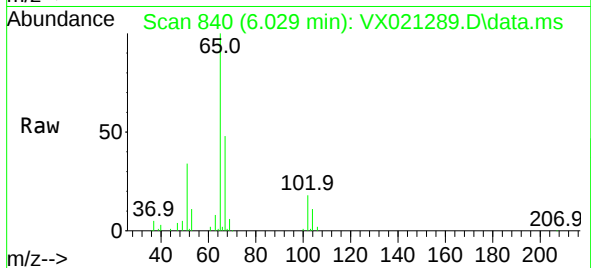
Acq: 18 Mar 2021 20:04

Tgt Ion: 65 Resp: 44011

Ion Ratio Lower Upper

65 100

67 49.4 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: VX021289.D

Acq: 18 Mar 2021 20:04

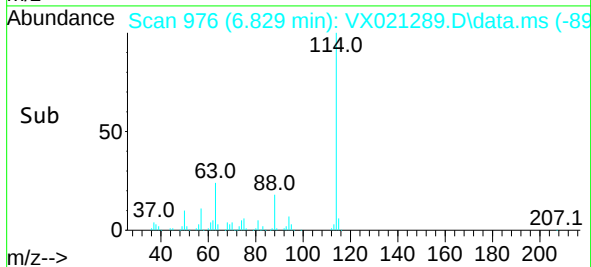
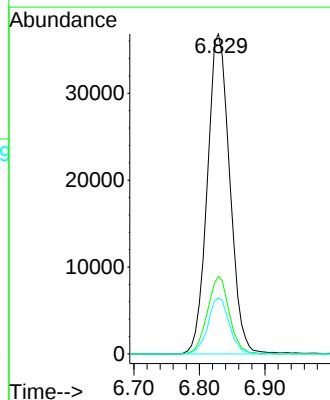
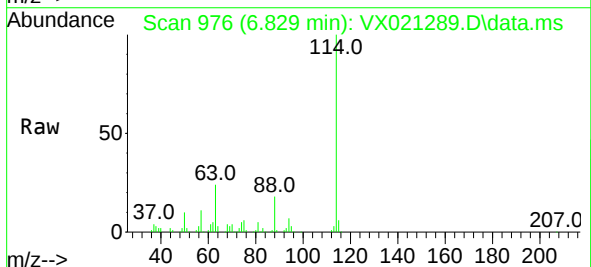
Tgt Ion: 114 Resp: 87676

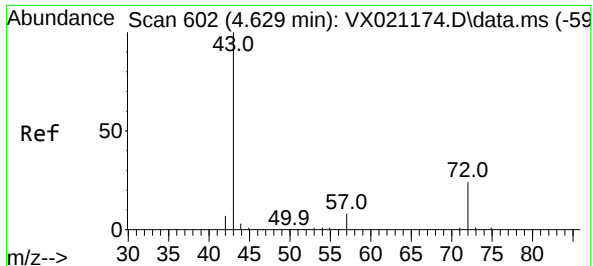
Ion Ratio Lower Upper

114 100

63 23.4 16.2 24.2

88 16.7 13.0 19.6





#30

2-Butanone

Concen: 0.43 ug/l

RT: 4.646 min Scan# 605

Delta R.T. 0.017 min

Lab File: VX021289.D

Acq: 18 Mar 2021 20:04

Tgt Ion: 43 Resp: 349

Ion Ratio Lower Upper

43 100

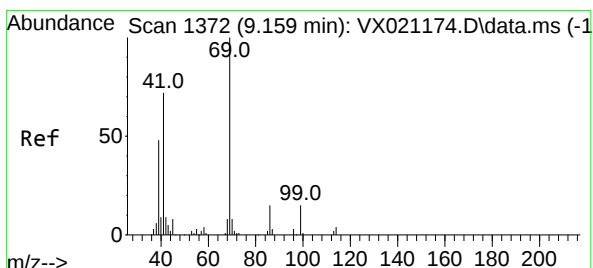
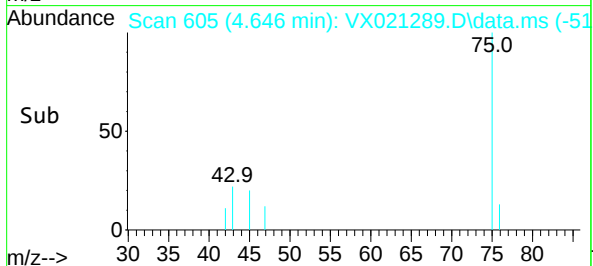
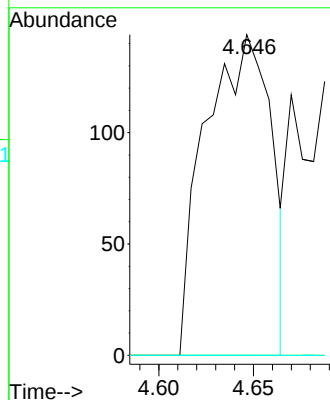
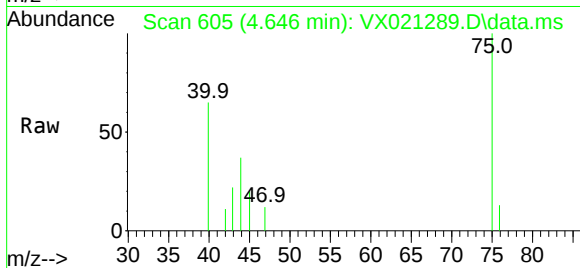
57 0.0 7.2 10.8#

72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampled :



#51

Ethyl methacrylate

Concen: 0.25 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.465 min

Lab File: VX021289.D

Acq: 18 Mar 2021 20:04

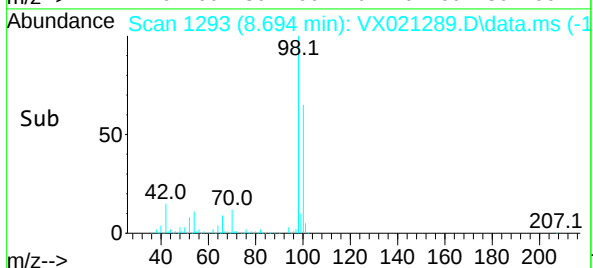
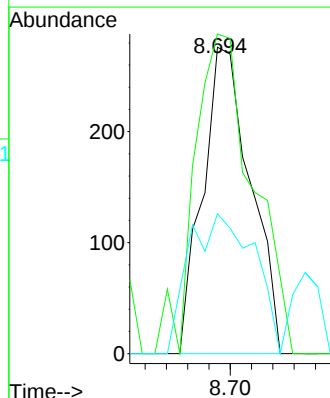
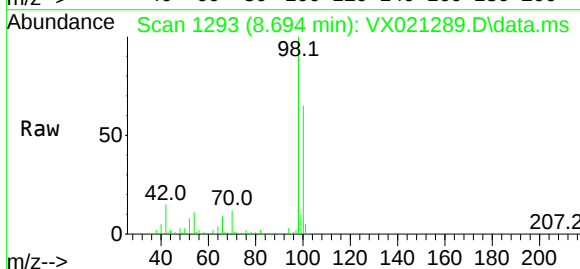
Tgt Ion: 69 Resp: 431

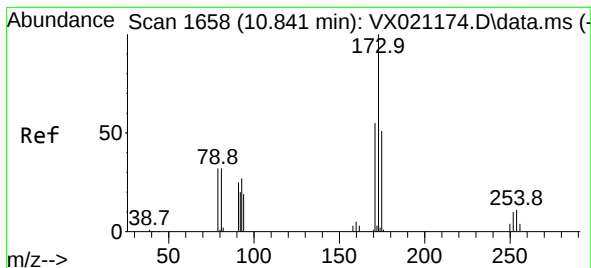
Ion Ratio Lower Upper

69 100

41 104.3 29.1 87.4#

39 45.7 15.4 46.1





#56

Bromoform

Concen: 0.39 ug/l

RT: 11.124 min Scan# 1706

Delta R.T. 0.283 min

Lab File: VX021289.D

Acq: 18 Mar 2021 20:04

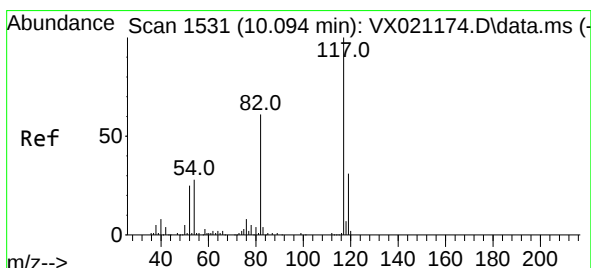
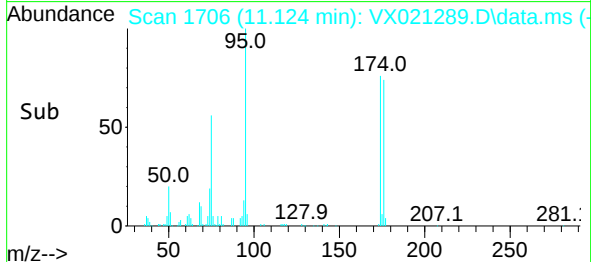
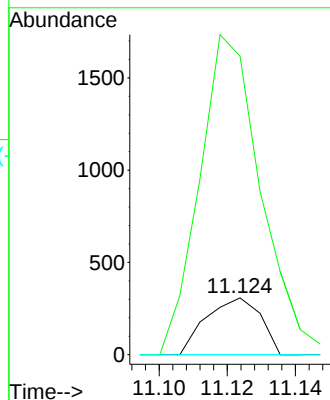
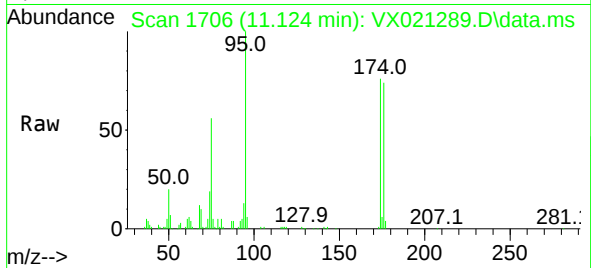
Tgt Ion:173 Resp: 341

Ion Ratio Lower Upper

173 100

175 636.7 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: VX021289.D

Acq: 18 Mar 2021 20:04

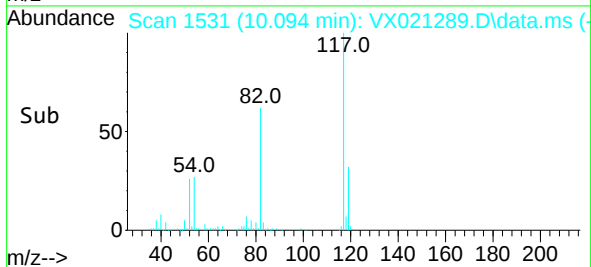
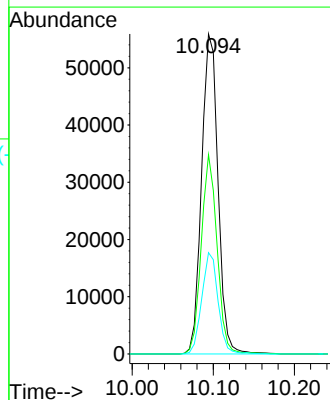
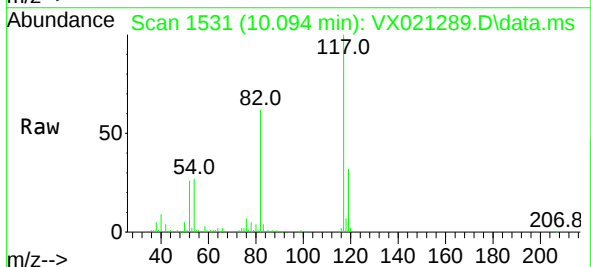
Tgt Ion:117 Resp: 78771

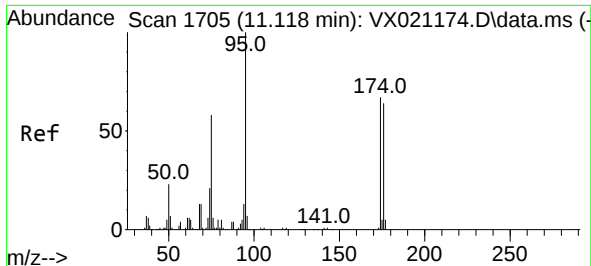
Ion Ratio Lower Upper

117 100

82 59.9 45.0 67.6

119 31.4 25.6 38.4

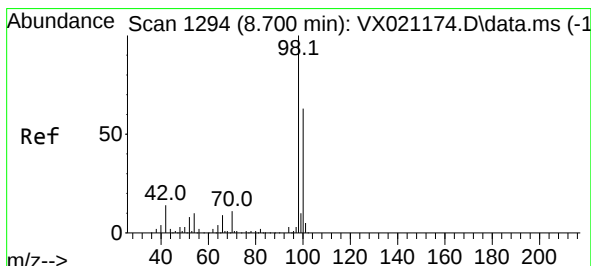
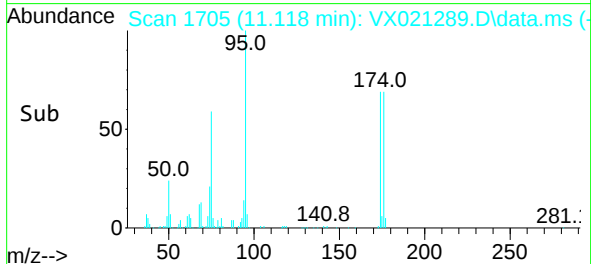
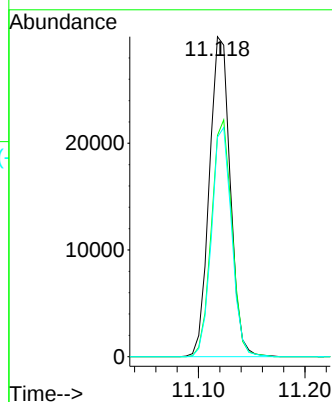
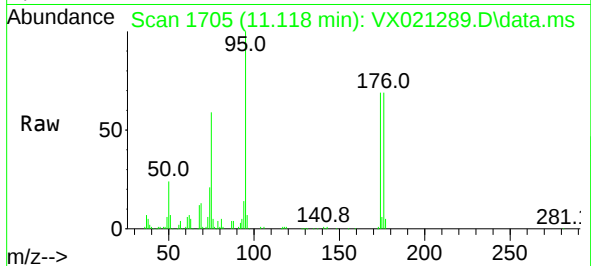




#60
4-Bromofluorobenzene
Concen: 28.37 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

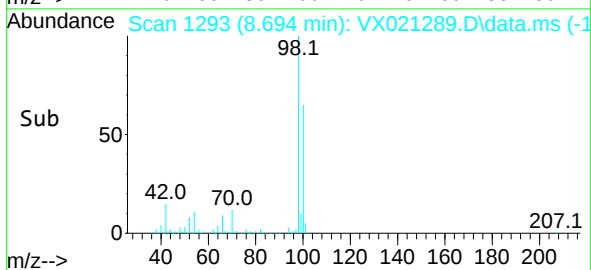
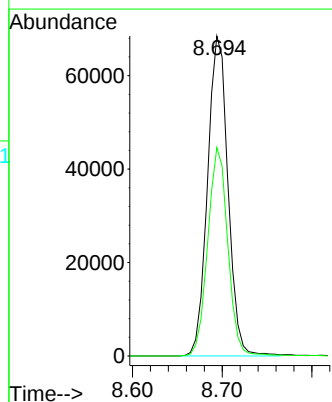
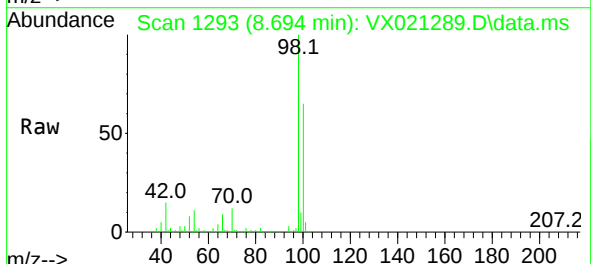
Instrument :
MSVOA_X
ClientSampleId :

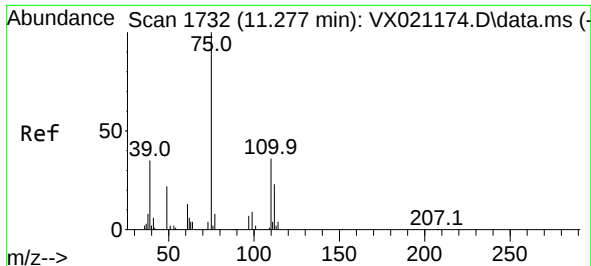
Tgt Ion: 95 Resp: 40865
Ion Ratio Lower Upper
95 100
174 72.3 63.0 94.4
176 68.9 59.9 89.9



#63
Toluene-d8
Concen: 30.34 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

Tgt Ion: 98 Resp: 108418
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.4

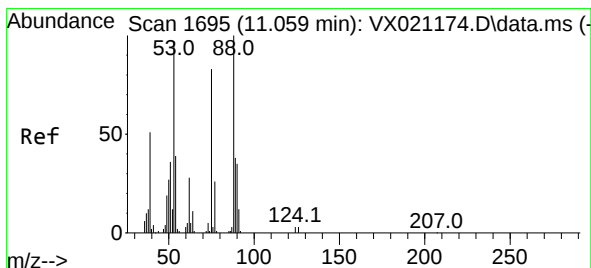
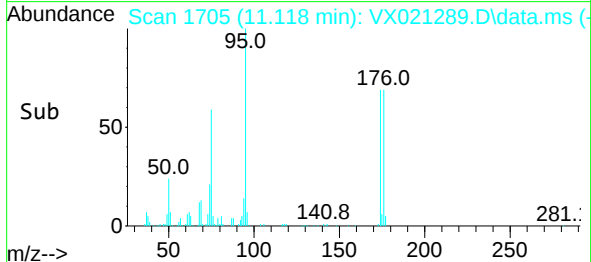
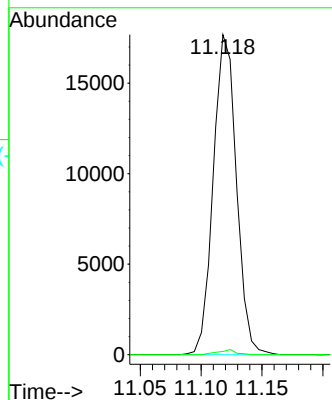
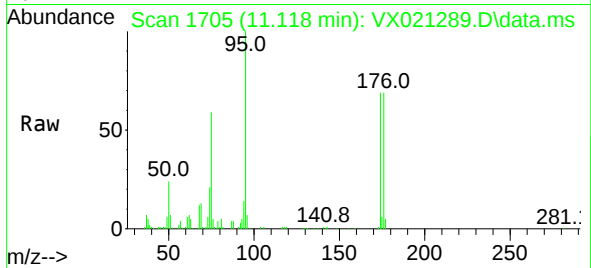




#72
1,2,3-Trichloropropane
Concen: 15.14 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

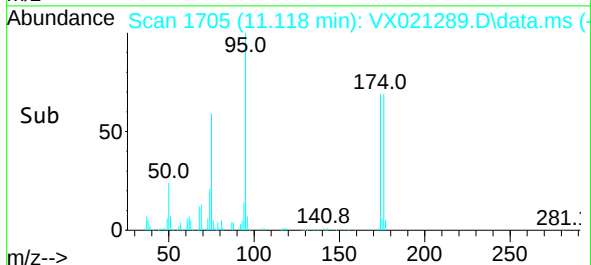
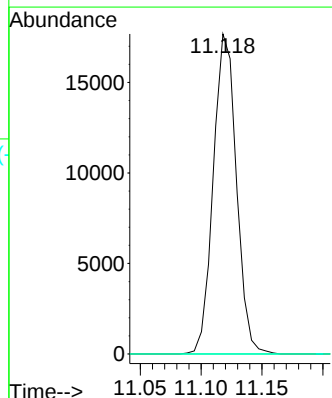
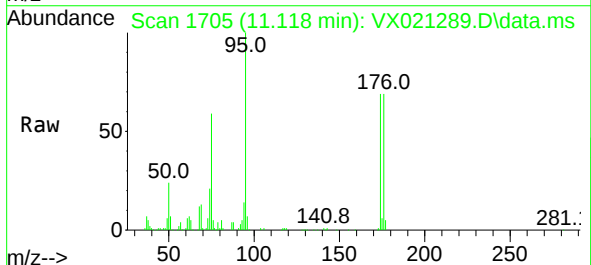
Instrument :
MSVOA_X
ClientSampled :

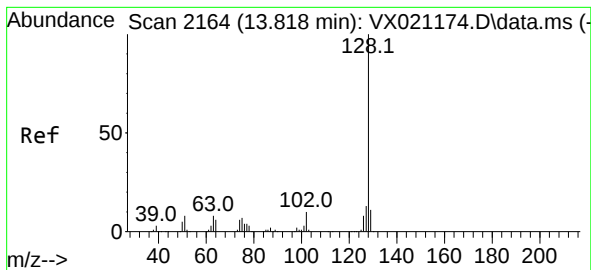
Tgt Ion: 75 Resp: 23390
Ion Ratio Lower Upper
75 100
77 1.2 0.0 74.6



#77
t-1,4-Dichloro-2-butene
Concen: 46.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

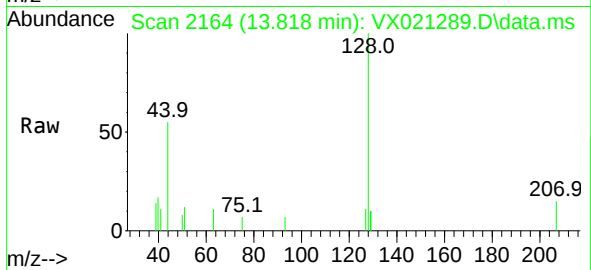
Tgt Ion: 75 Resp: 23390
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#





#91
Naphthalene
Concen: 0.23 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021289.D
Acq: 18 Mar 2021 20:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	918
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.4
129	9.8	8.8	13.2

