

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018228.D
 Acq On : 03 Sep 2020 12:44
 Operator : JC/SP
 Sample : L3876-14 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1576

Quant Time: Sep 04 01:19:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	463268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	754975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	354237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	346076	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
35) Dibromofluoromethane	5.46	113	260945	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.70	98	929959	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.12	95	335753	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

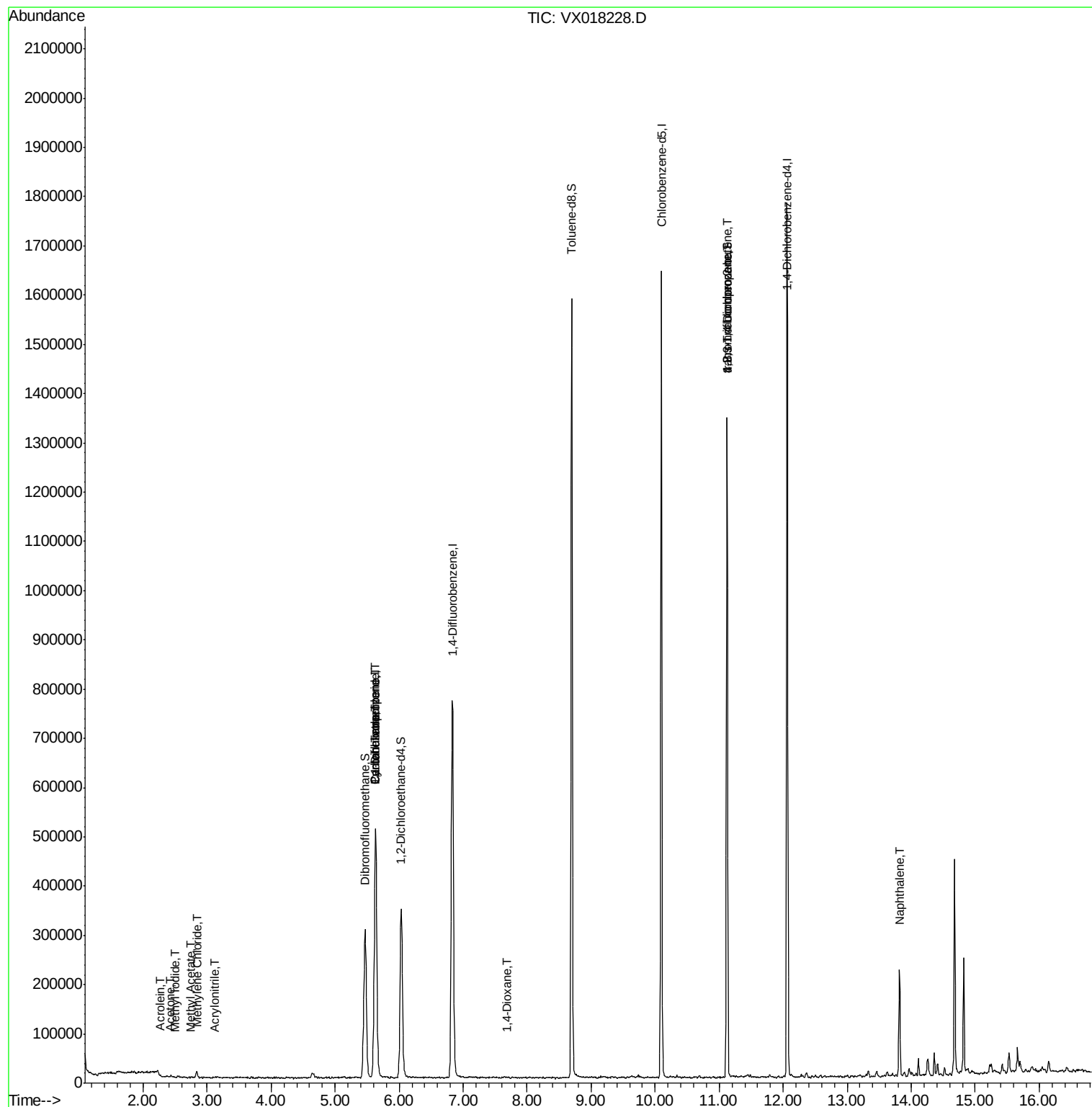
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	324	5.349	ug/l #	1
13) Acrolein	2.27	56	513	0.989	ug/l #	14
15) Acrylonitrile	3.12	53	676	0.238	ug/l #	73
16) Acetone	2.42	43	2773	1.107	ug/l #	87
18) Methyl Acetate	2.75	43	1230	0.203	ug/l #	53
20) Methylene Chloride	2.84	84	7095	0.222	ug/l #	78
31) Cyclohexane	5.63	56	10845	1.409	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	38921	5.589	ug/l #	51
38) Carbon Tetrachloride	5.63	117	50343	6.415	ug/l #	18
49) 1,4-Dioxane	7.69	88	179	1.520	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	175874	22.319	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	175874	60.279	ug/l #	12
95) Naphthalene	13.82	128	129352	5.522	ug/l	99

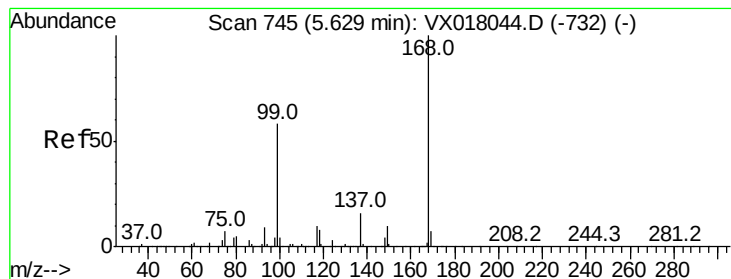
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

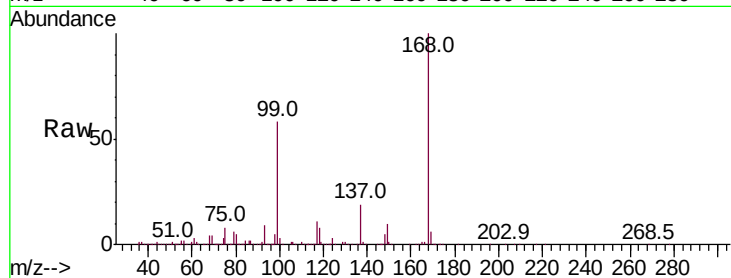
1576

Tot Ion:168 Resp: 463268

Ion Ratio Lower Upper

168 100

99 58.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

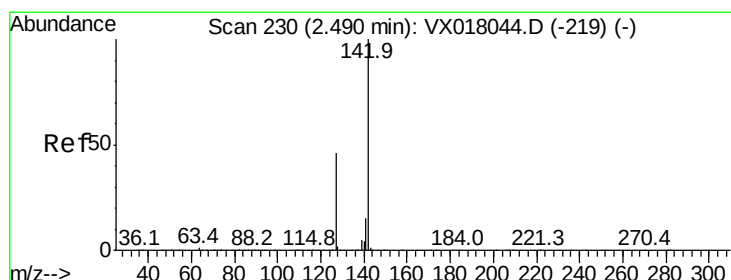
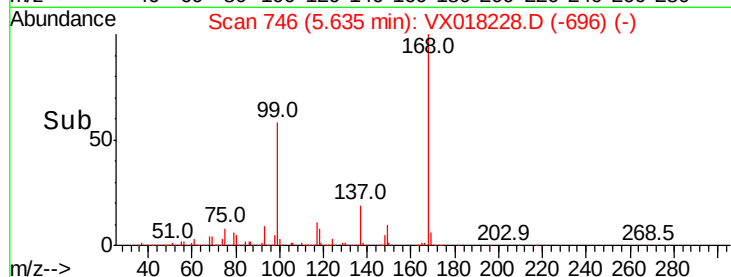
100000

50000

0

Time-->

5.50 5.60 5.70



#10

Methyl Iodide

Concen: 5.349 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

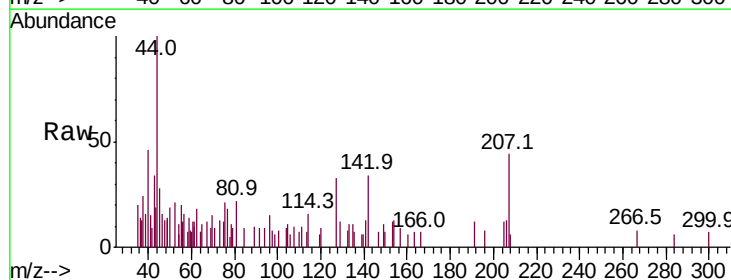
Tgt Ion:142 Resp: 324

Ion Ratio Lower Upper

142 100

127 139.5 37.0 55.6#

141 32.4 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

300

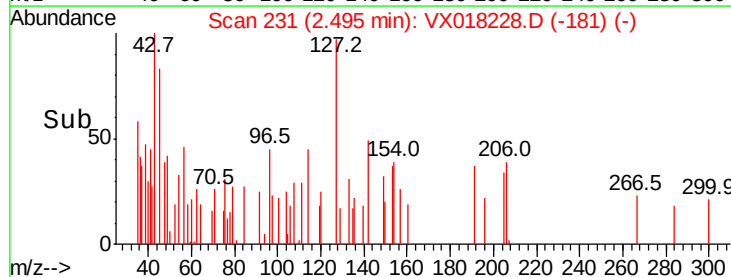
200

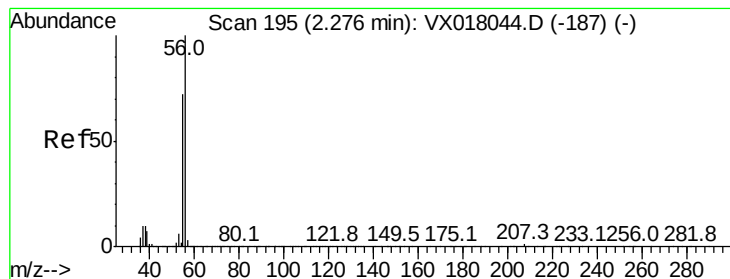
100

0

Time-->

2.46 2.48 2.50





#13

Acrolein

Concen: 0.989 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampled :

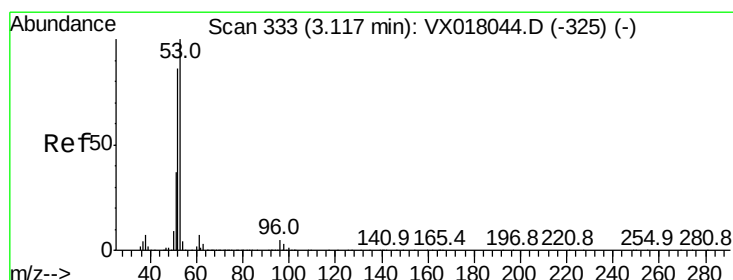
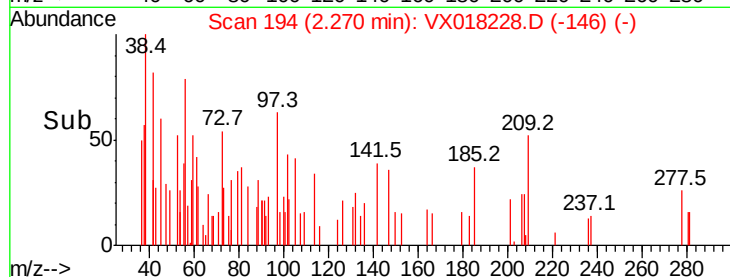
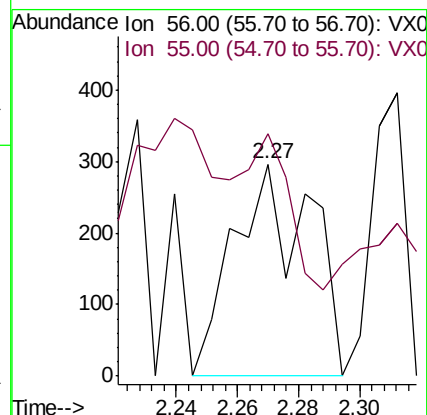
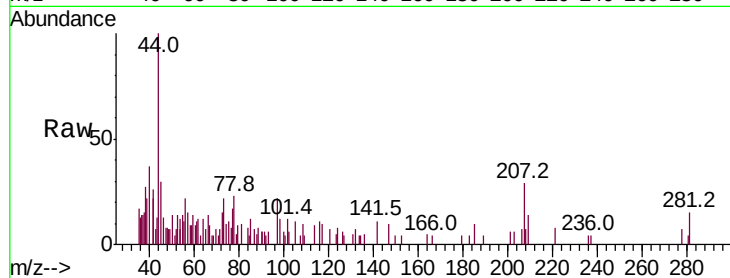
1576

Tot Ion: 56 Resp: 513

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#15

Acrylonitrile

Concen: 0.238 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

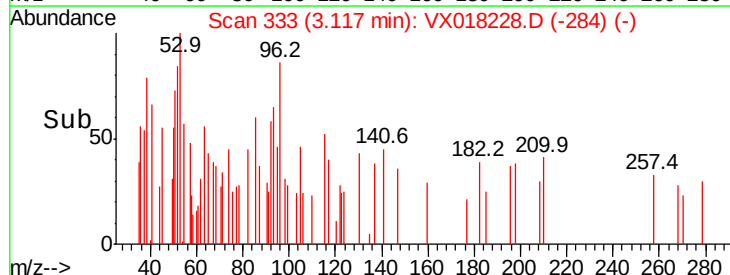
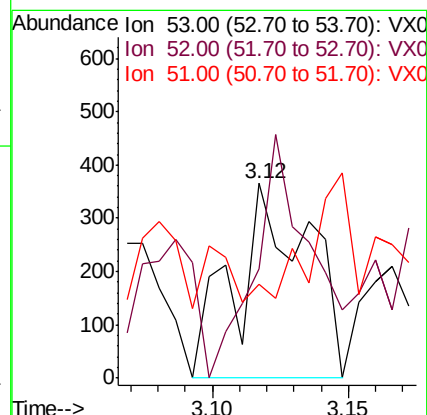
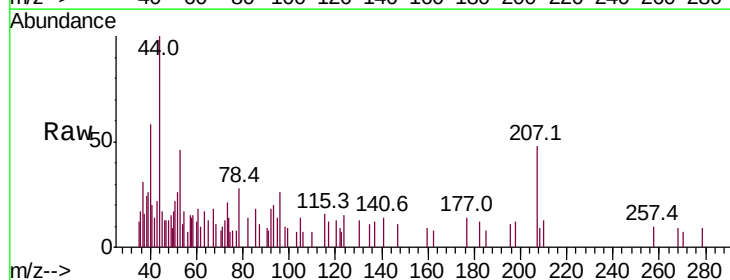
Tgt Ion: 53 Resp: 676

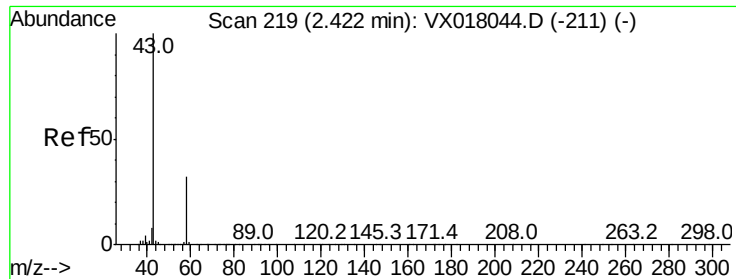
Ion Ratio Lower Upper

53 100

52 95.0 66.9 100.3

51 0.0 28.7 43.1#

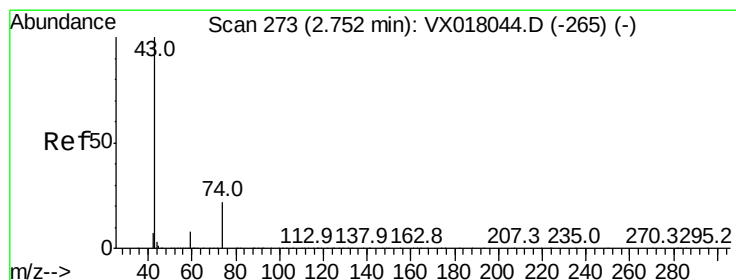
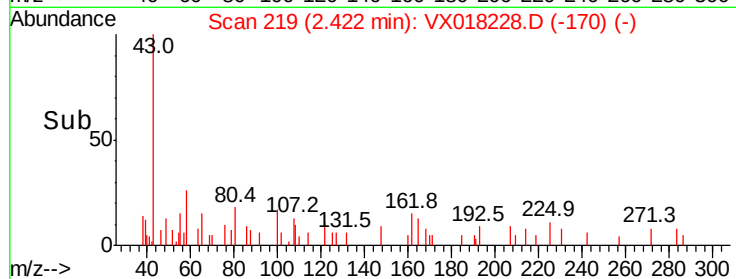
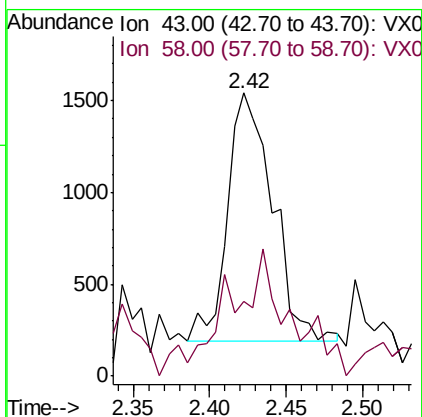
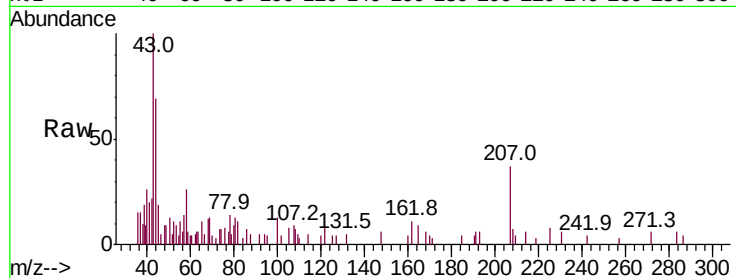




#16
Acetone
Concen: 1.107 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

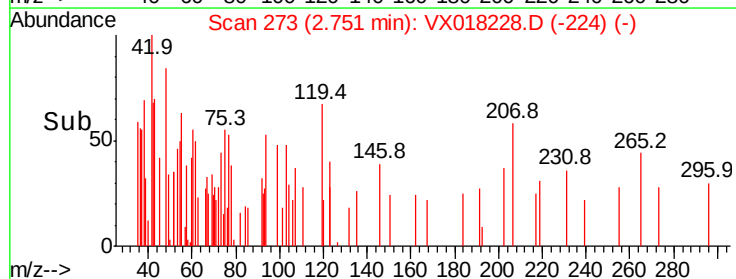
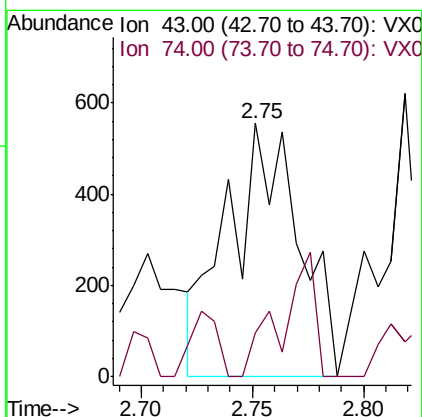
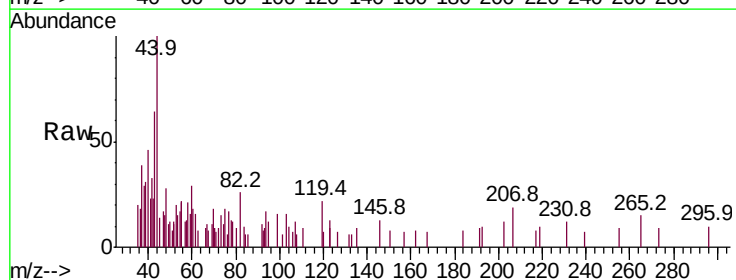
Instrument :
MSVOA_X
ClientSampleId :
1576

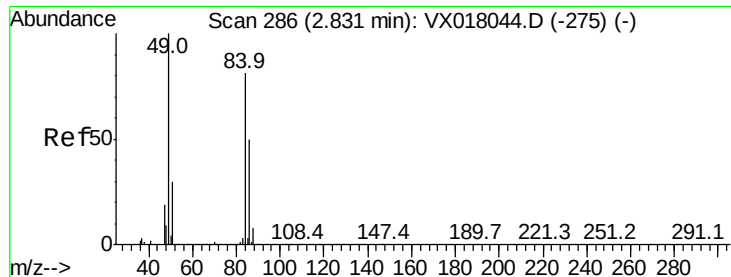
Tot Ion: 43 Resp: 2773
Ion Ratio Lower Upper
43 100
58 24.7 25.5 38.3#



#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#

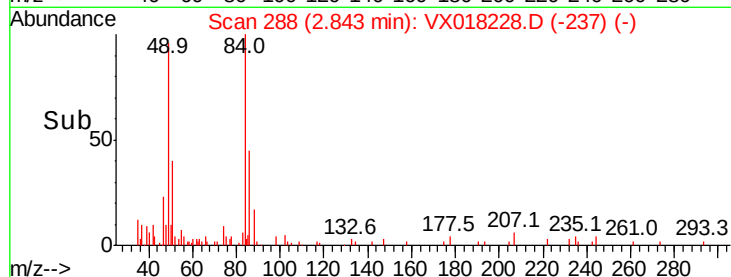
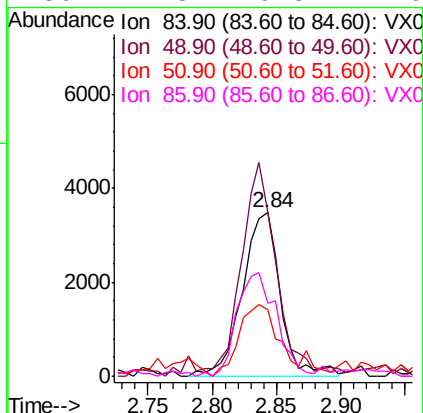
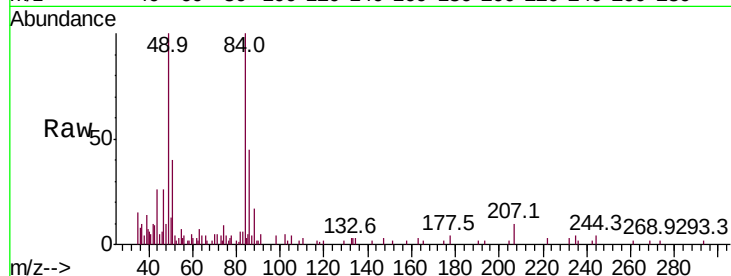




#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

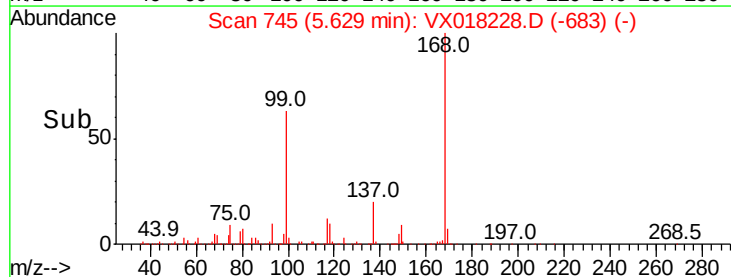
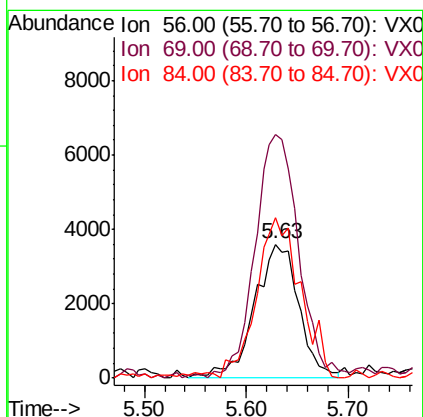
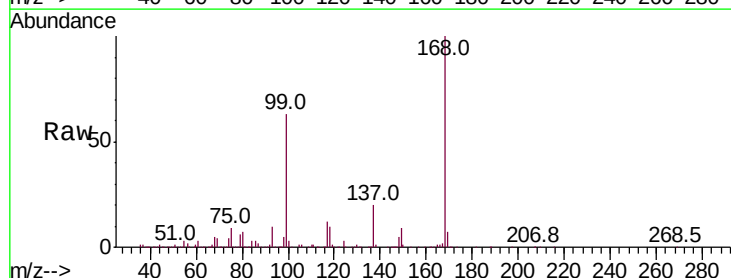
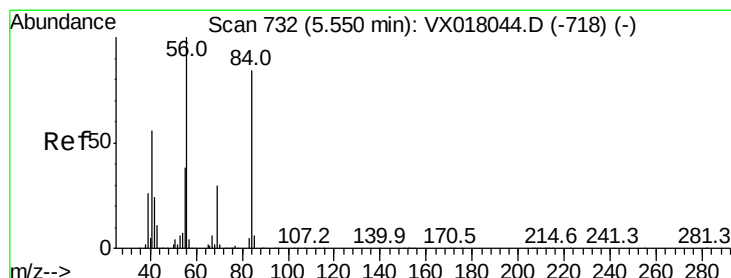
Instrument :
MSVOA_X
ClientSampleId :
1576

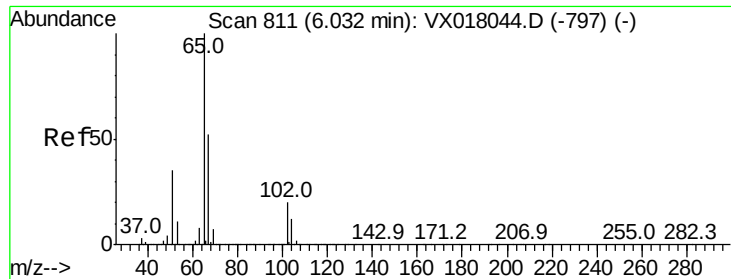
Tot Ion:	84	Resp:	7095
Ion	Ratio	Lower	Upper
84	100		
49	95.2	98.6	148.0#
51	34.0	29.6	44.4
86	42.8	49.8	74.6#



#31
Cyclohexane
Concen: 1.409 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

Tgt Ion:	56	Resp:	10845
Ion	Ratio	Lower	Upper
56	100		
69	179.2	23.9	35.9#
84	120.3	67.0	100.4#

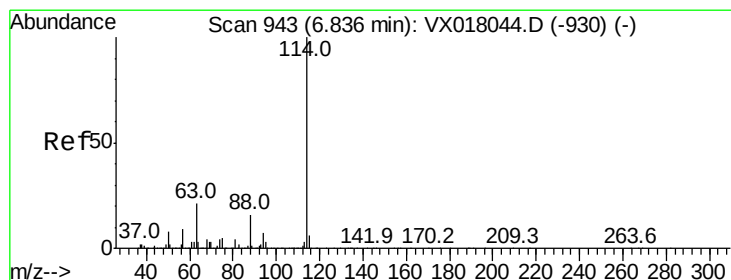
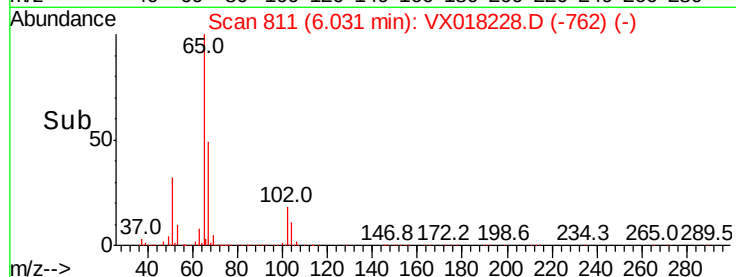
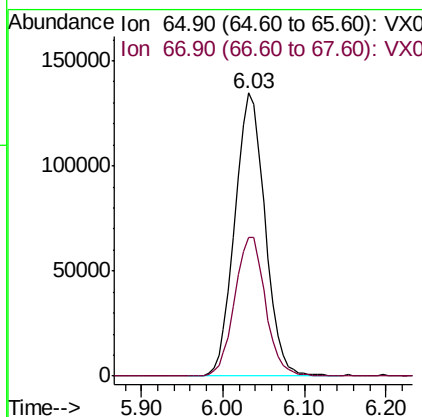
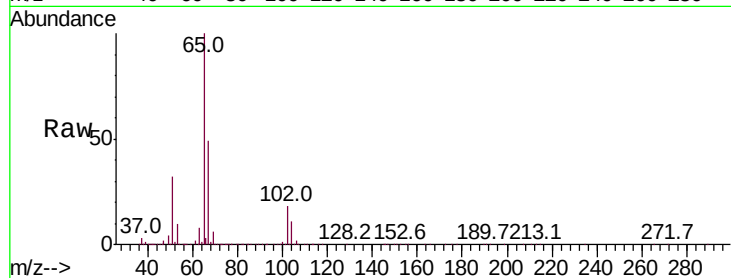




#33
 1,2-Dichloroethane-d4
 Concen: 53.811 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018228.D
 Acq: 03 Sep 2020 12:44

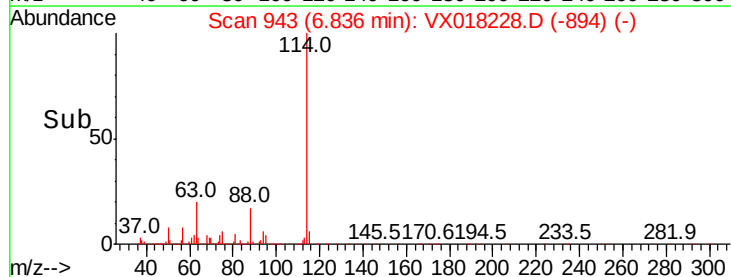
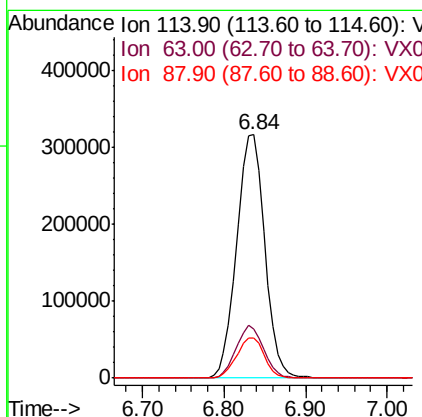
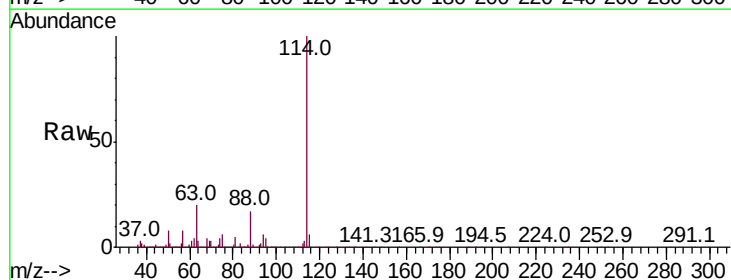
Instrument :
 MSVOA_X
 ClientSampled :
 1576

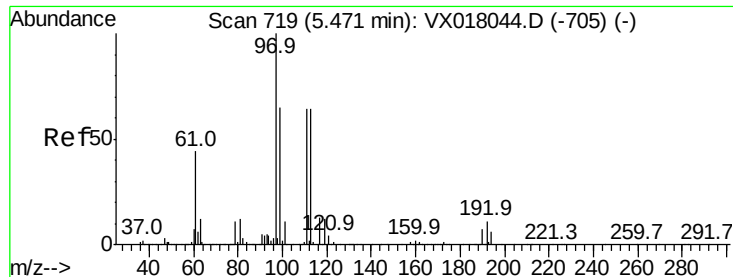
Tot Ion: 65 Resp: 346076
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018228.D
 Acq: 03 Sep 2020 12:44

Tgt Ion: 114 Resp: 754975
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 16.7 0.0 31.8

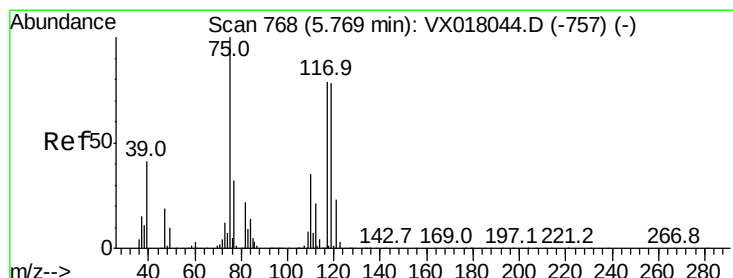
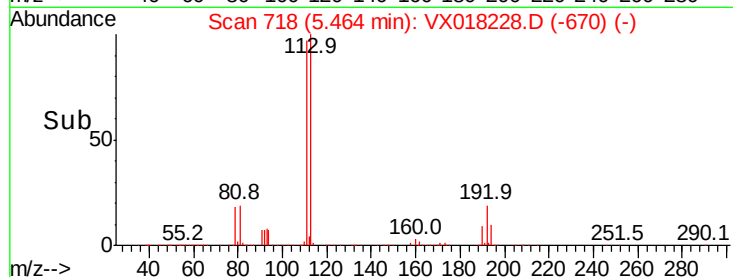
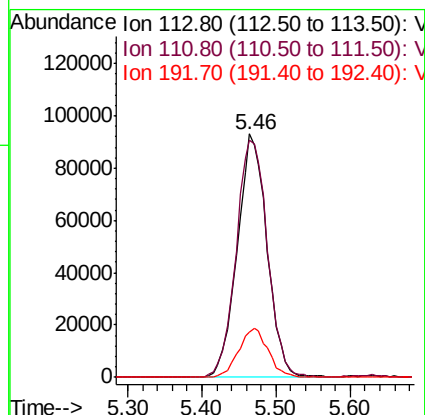
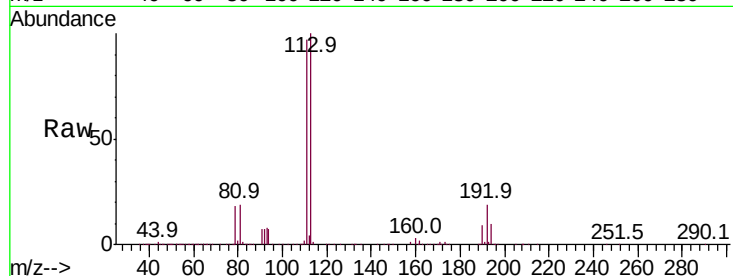




#35
 Dibromofluoromethane
 Concen: 50.750 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018228.D
 Acq: 03 Sep 2020 12:44

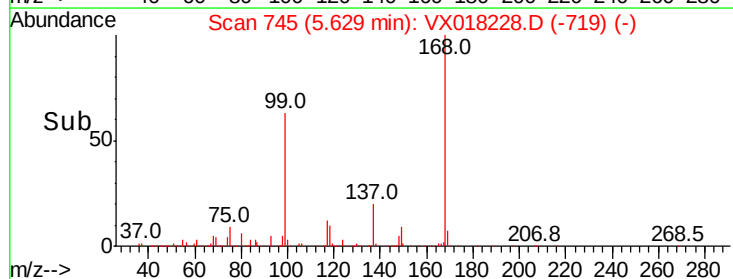
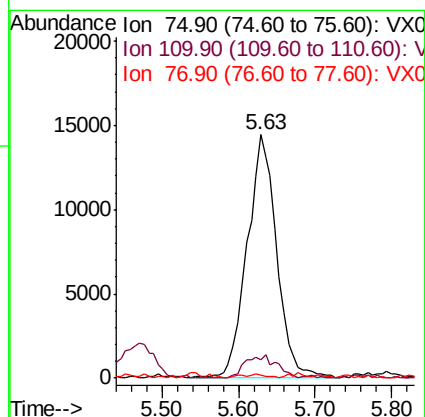
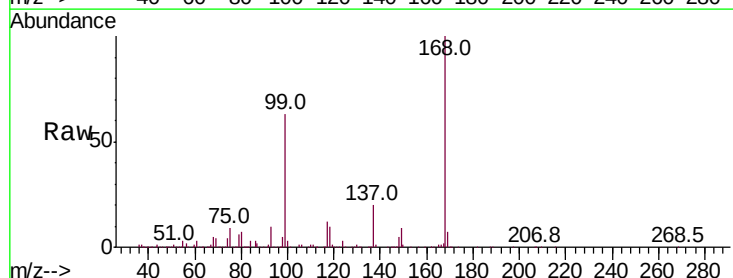
Instrument :
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 ClientSampleId :
 1576

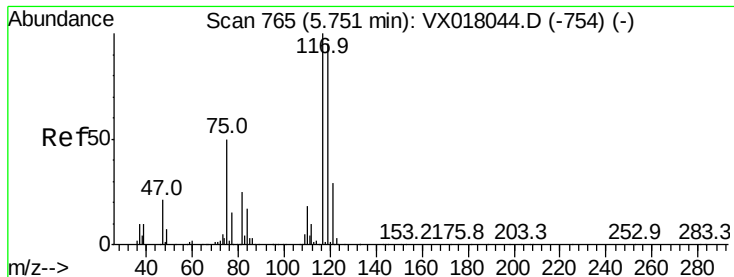
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.589 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018228.D
 Acq: 03 Sep 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.0	54.0#
77	1.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

1576

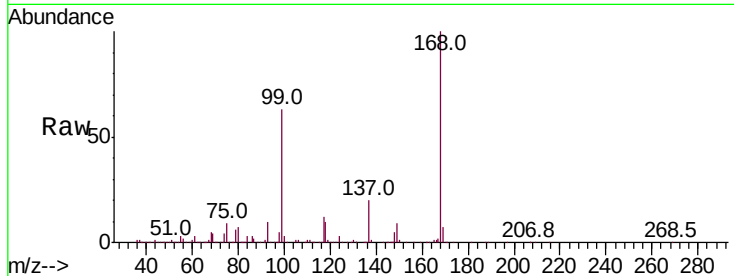
Tot Ion:117 Resp: 50343

Ion Ratio Lower Upper

117 100

119 7.2 75.8 113.6#

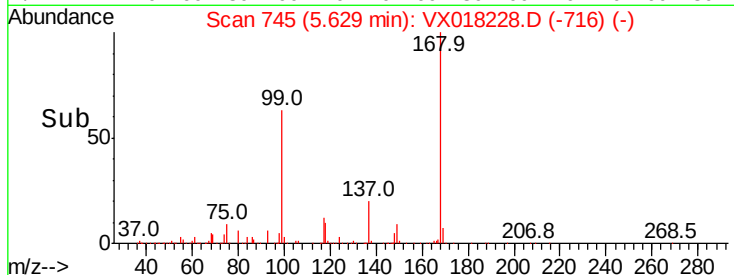
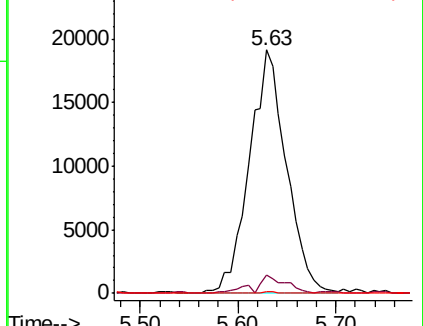
121 0.6 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.520 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

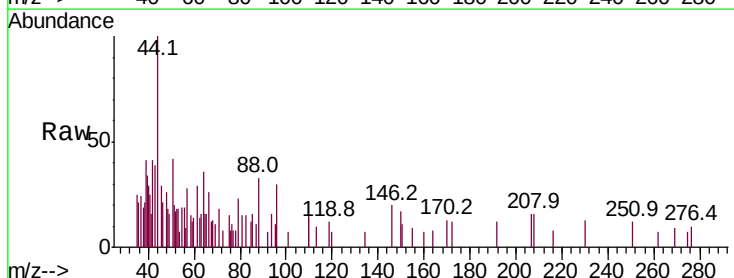
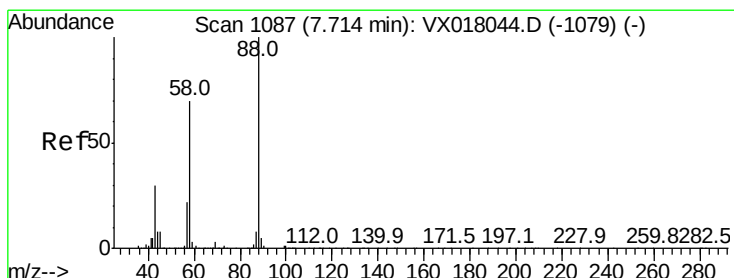
Tgt Ion: 88 Resp: 179

Ion Ratio Lower Upper

88 100

43 412.3 27.4 41.0#

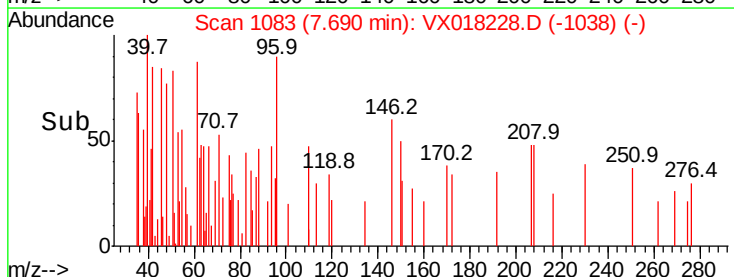
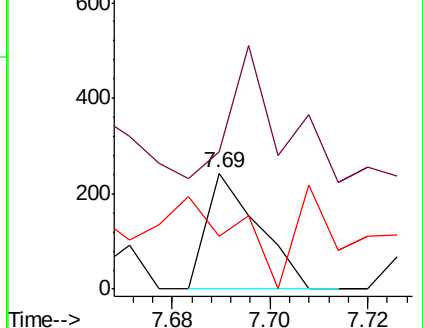
58 121.2 56.4 84.6#

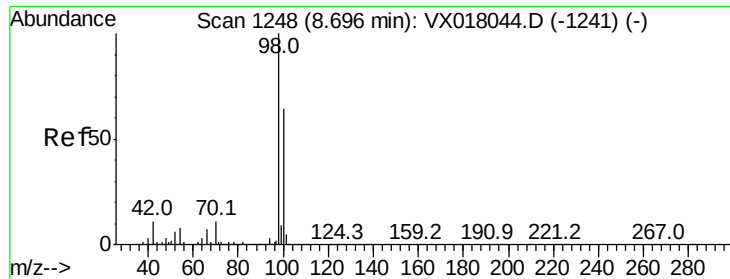


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.560 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

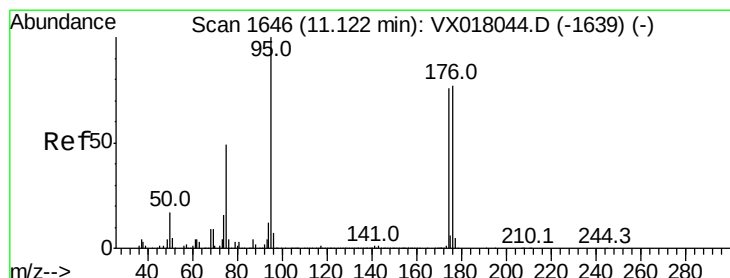
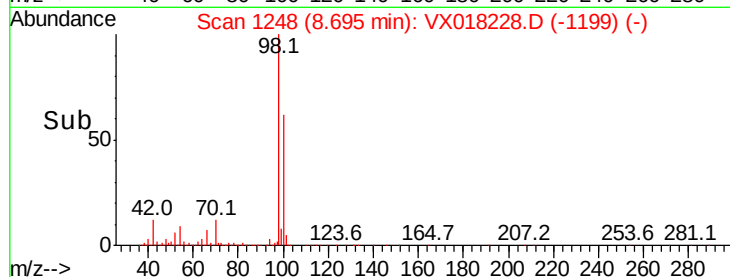
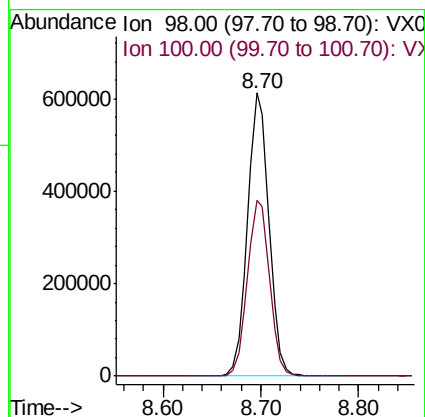
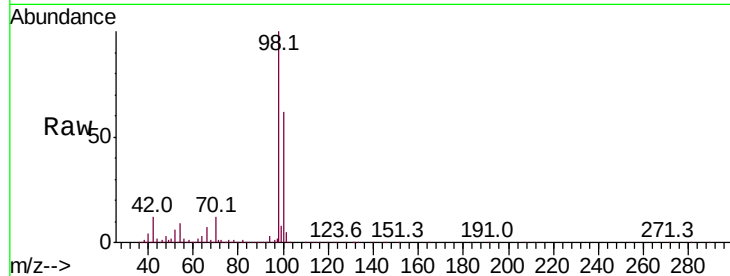
1576

Tot Ion: 98 Resp: 929959

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.561 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

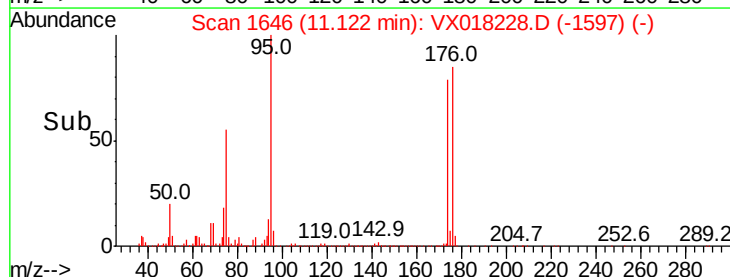
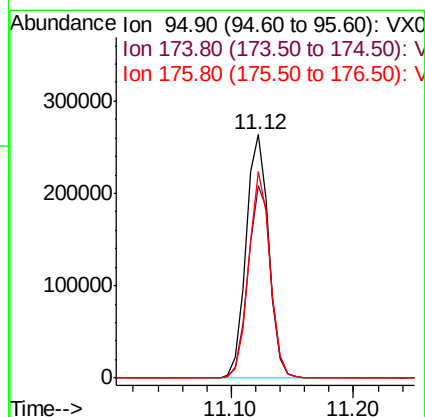
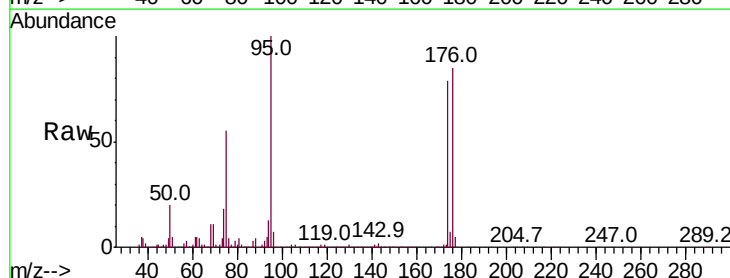
Tgt Ion: 95 Resp: 335753

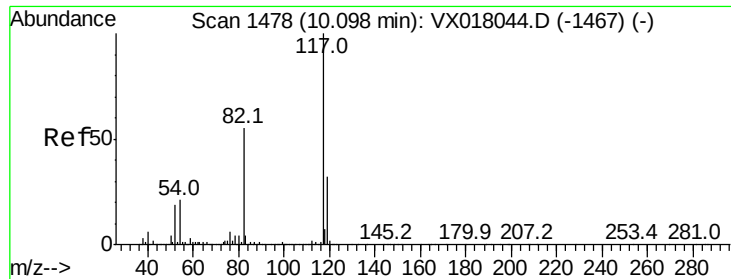
Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.2

176 80.5 0.0 155.8

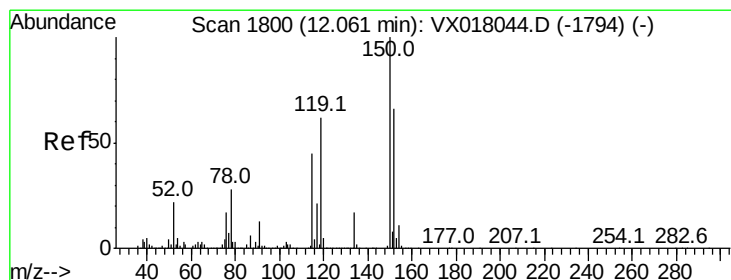
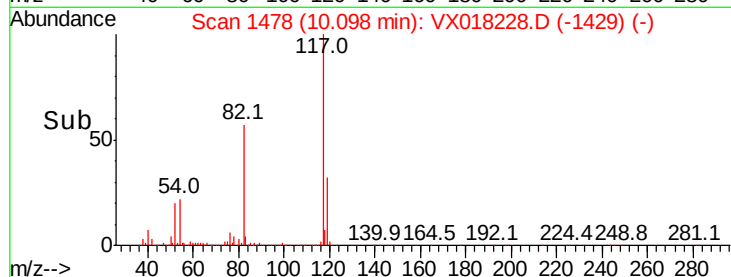
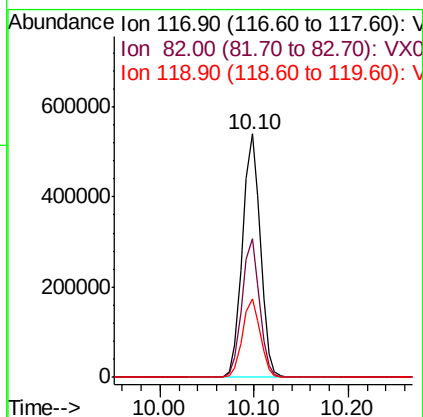
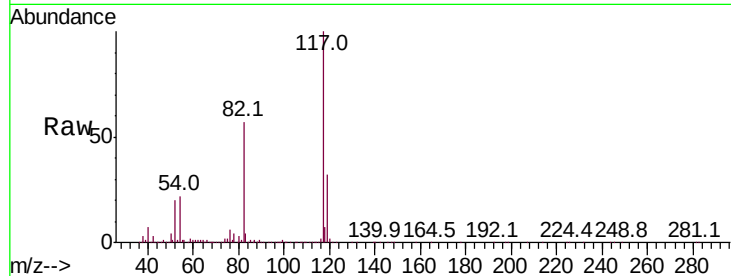




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

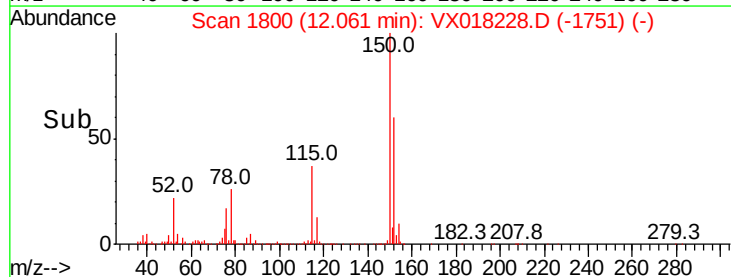
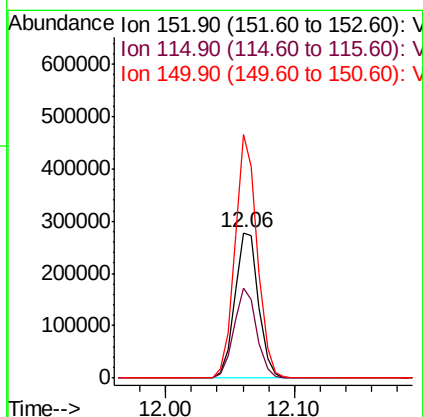
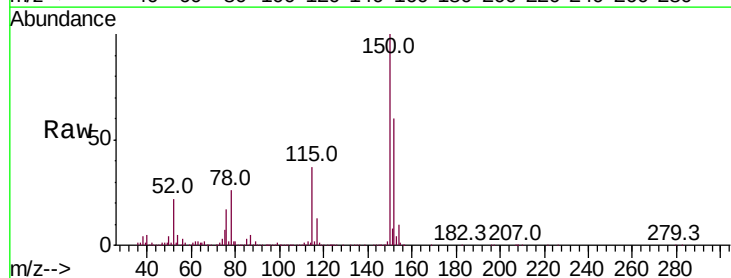
Instrument :
MSVOA_X
ClientSampleId :
1576

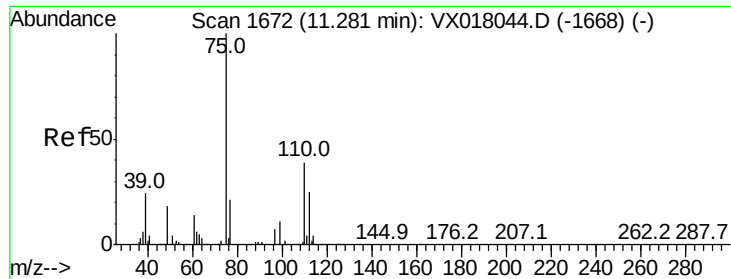
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.2	66.2
119	32.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018228.D
Acq: 03 Sep 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.5	124.5
150	157.4	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.319 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

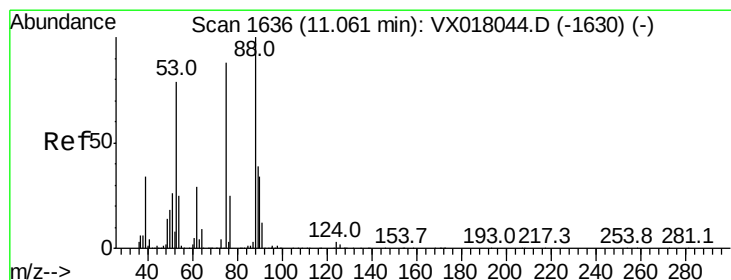
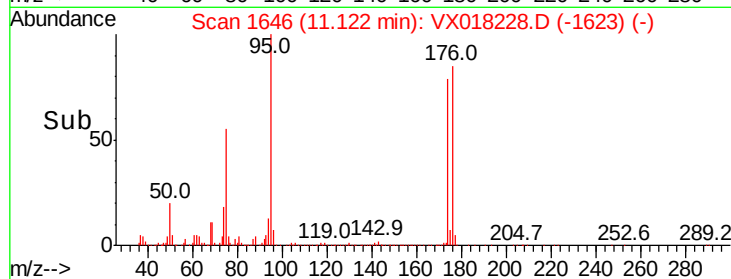
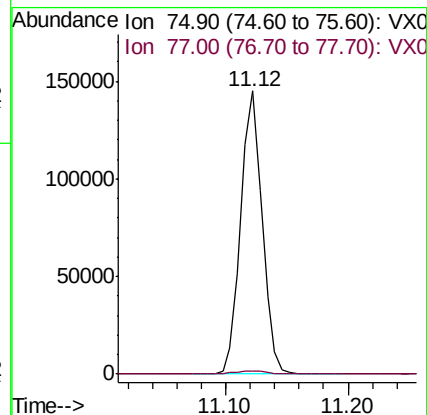
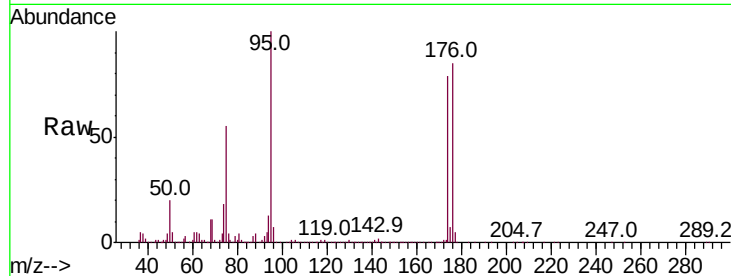
1576

Tot Ion: 75 Resp: 175874

Ion Ratio Lower Upper

75 100

77 1.6 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.279 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

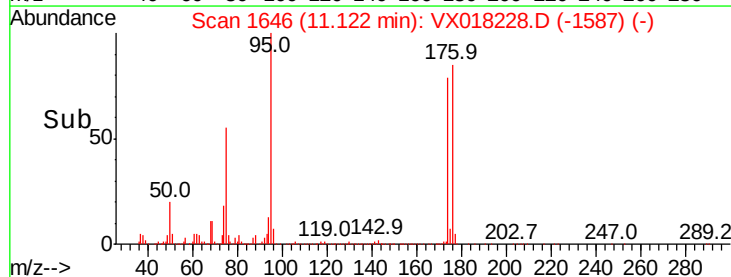
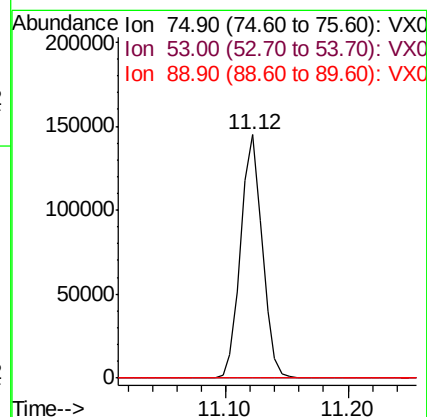
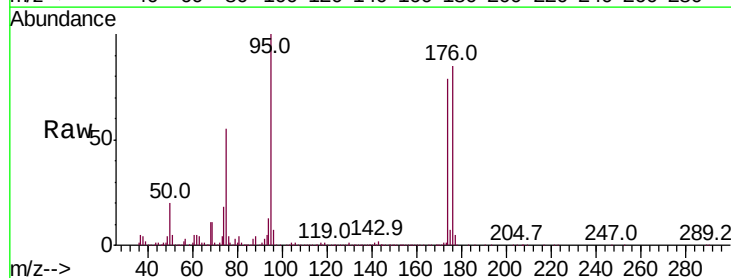
Tgt Ion: 75 Resp: 175874

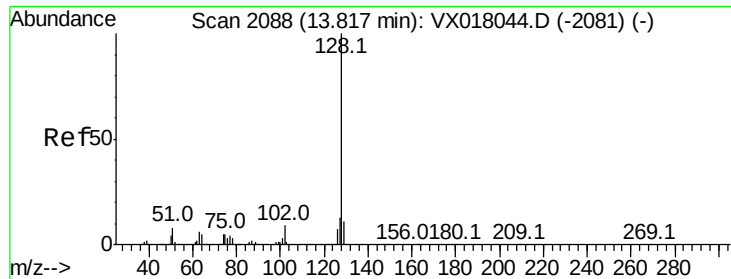
Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 5.522 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018228.D

Acq: 03 Sep 2020 12:44

Instrument :

MSVOA_X

ClientSampleId :

1576

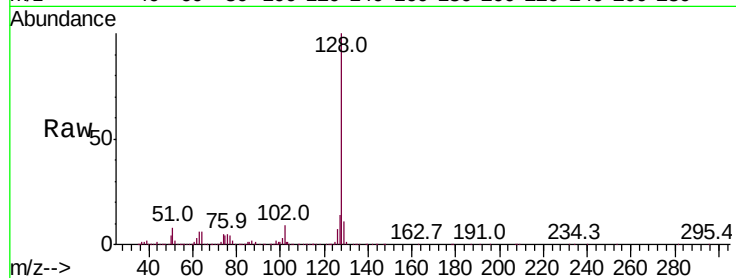
Tot Ion:128 Resp: 129352

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

