

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX018006.D
 Acq On : 20 Aug 2020 00:49
 Operator : JC/SP
 Sample : L3694-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-SB8-S-081320

Quant Time: Aug 20 04:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	482566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	701071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	654057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	321477	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	310921	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
35) Dibromofluoromethane	5.47	113	246507	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.70	98	845655	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	11.12	95	305979	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

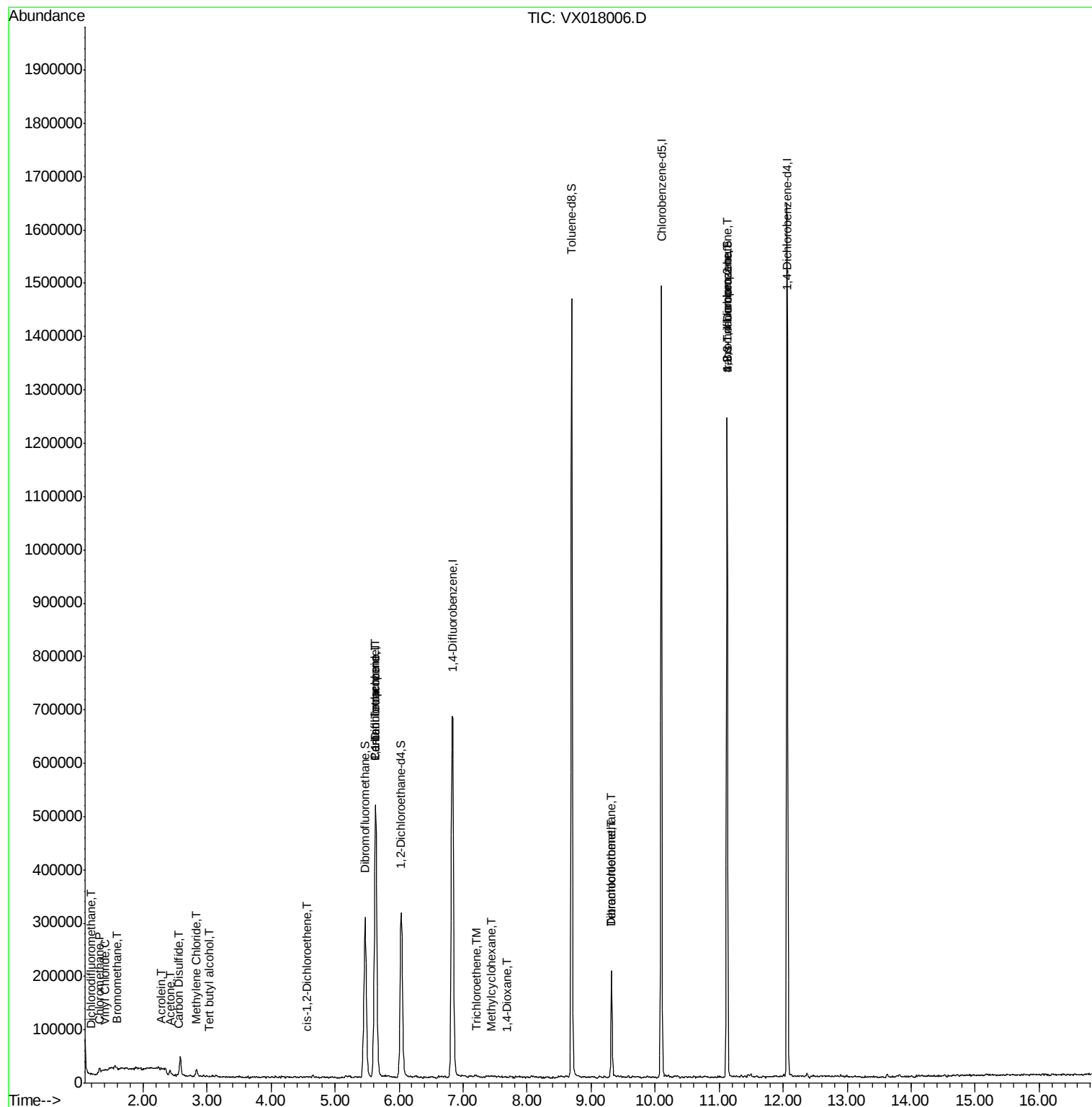
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	464	1.052	ug/l	84
3) Chloromethane	1.31	50	4458	0.676	ug/l	97
4) Vinyl Chloride	1.40	62	629	2.347	ug/l #	44
5) Bromomethane	1.60	94	992	0.269	ug/l #	35
11) Tert butyl alcohol	3.03	59	365	0.267	ug/l #	71
13) Acrolein	2.28	56	880	1.220	ug/l #	76
16) Acetone	2.42	43	9324	3.350	ug/l #	85
17) Carbon Disulfide	2.55	76	3964	0.376	ug/l	97
20) Methylene Chloride	2.84	84	6339	1.236	ug/l #	86
27) cis-1,2-Dichloroethene	4.56	96	1234	0.234	ug/l	64
36) 1,1-Dichloropropene	5.63	75	35365	6.027	ug/l #	51
38) Carbon Tetrachloride	5.64	117	49538	6.523	ug/l #	16
39) Methylcyclohexane	7.43	83	989	0.943	ug/l #	45
44) Trichloroethene	7.20	130	1432	0.273	ug/l	92
49) 1,4-Dioxane	7.70	88	145	1.261	ug/l #	1
60) Dibromochloromethane	9.32	129	34815	5.248	ug/l #	11
64) Tetrachloroethene	9.32	164	37002	7.408	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	155781	22.786	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	155781	59.861	ug/l #	12

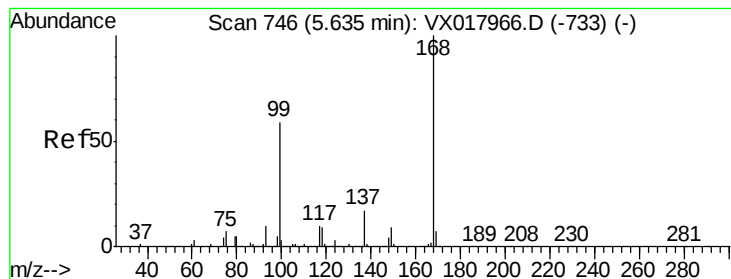
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

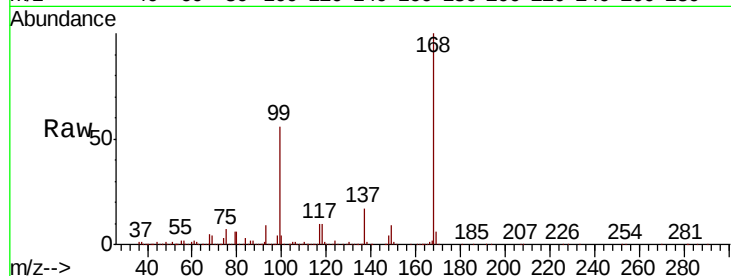
MW-SB8-S-081320

Tot Ion:168 Resp: 482566

Ion Ratio Lower Upper

168 100

99 56.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

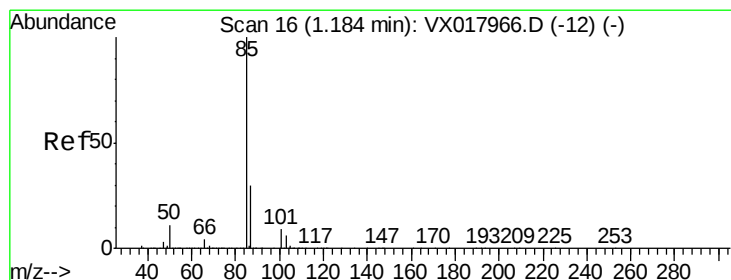
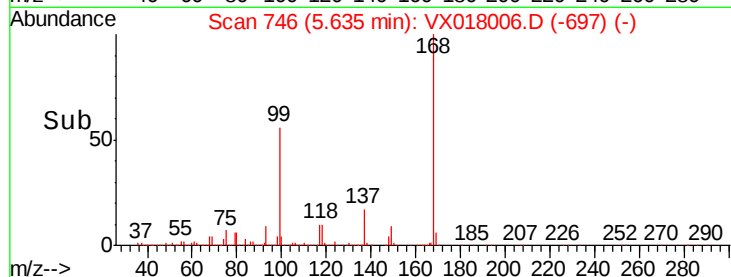
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.052 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018006.D

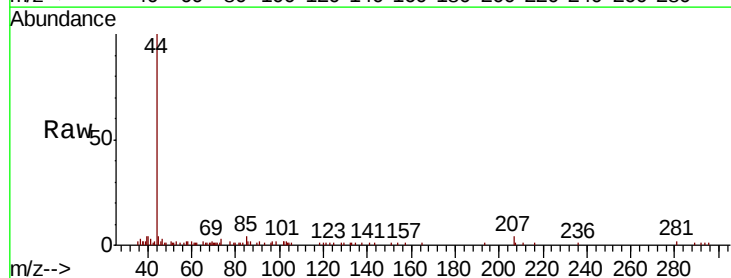
Acq: 20 Aug 2020 00:49

Tgt Ion: 85 Resp: 464

Ion Ratio Lower Upper

85 100

87 22.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

500

400

300

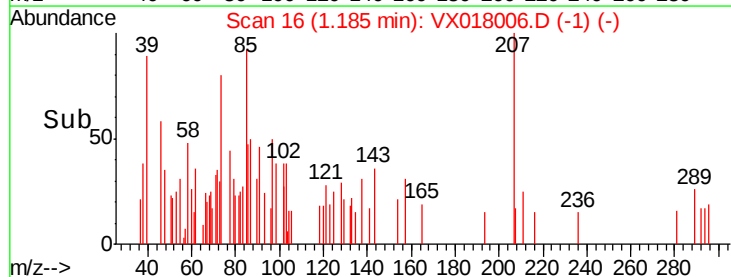
200

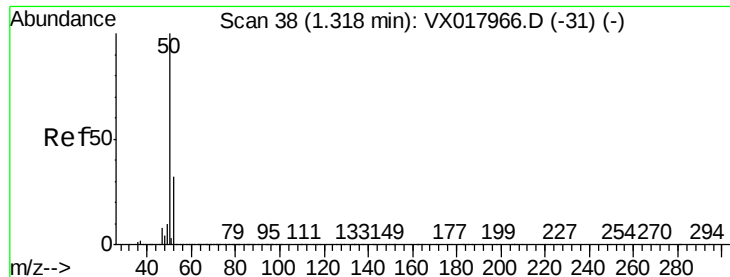
100

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.676 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

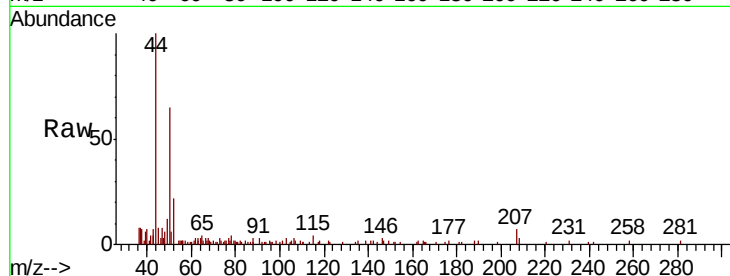
MW-SB8-S-081320

Tot Ion: 50 Resp: 4458

Ion Ratio Lower Upper

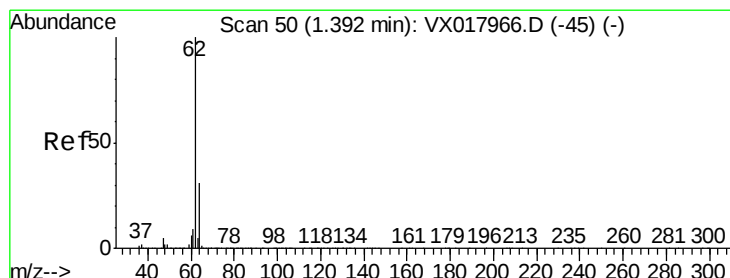
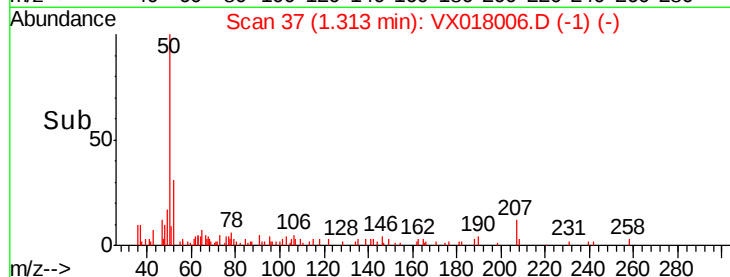
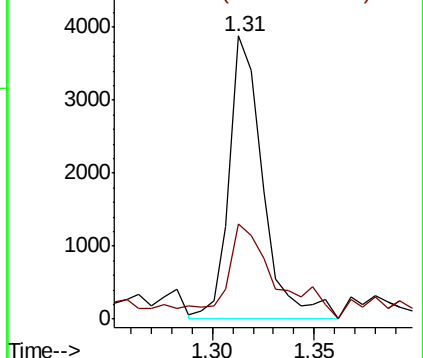
50 100

52 33.6 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.347 ug/l

RT: 1.40 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX018006.D

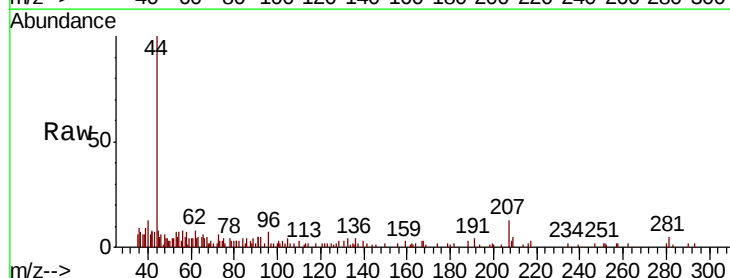
Acq: 20 Aug 2020 00:49

Tgt Ion: 62 Resp: 629

Ion Ratio Lower Upper

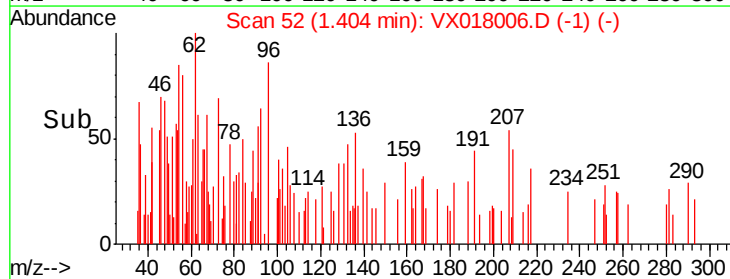
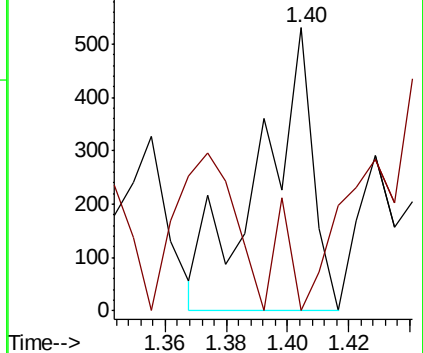
62 100

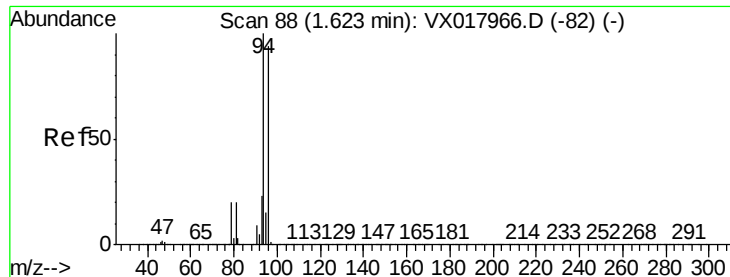
64 0.0 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.60 min Scan# 84

Delta R.T. -0.02 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

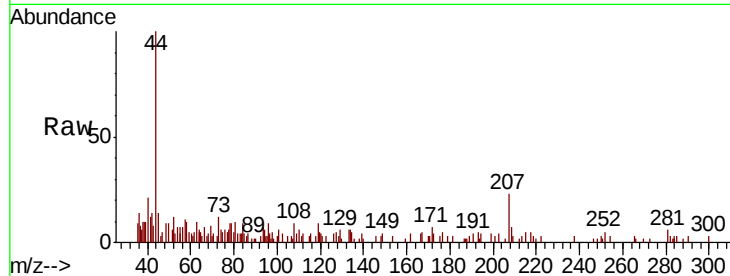
MW-SB8-S-081320

Tot Ion: 94 Resp: 992

Ion Ratio Lower Upper

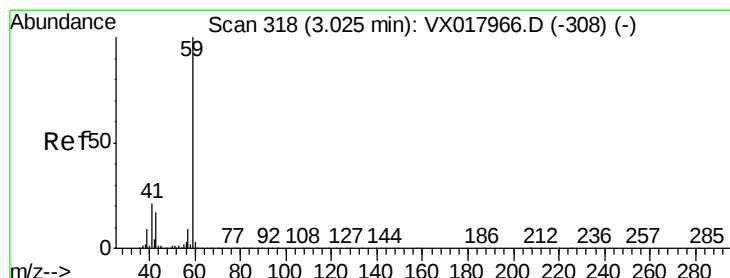
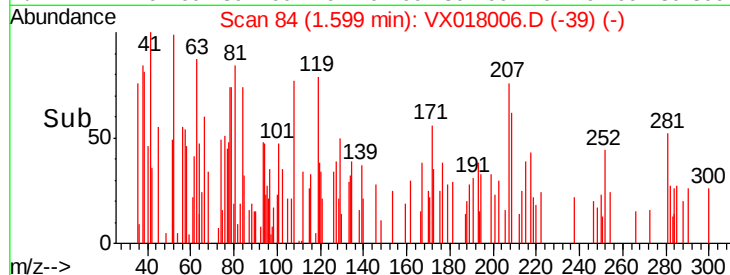
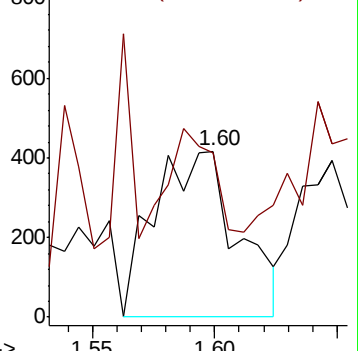
94 100

96 31.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.267 ug/l

RT: 3.03 min Scan# 318

Delta R.T. 0.00 min

Lab File: VX018006.D

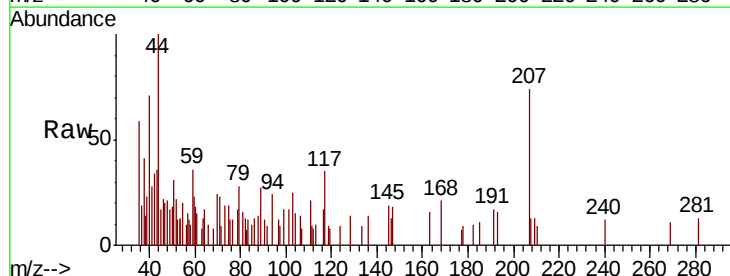
Acq: 20 Aug 2020 00:49

Tgt Ion: 59 Resp: 365

Ion Ratio Lower Upper

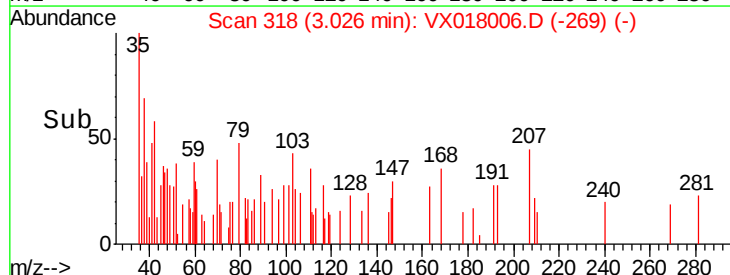
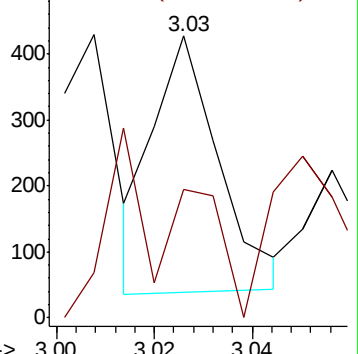
59 100

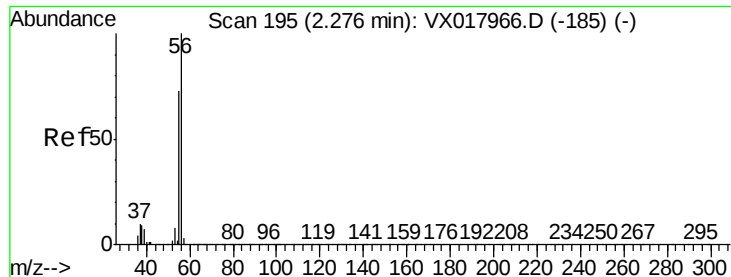
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.220 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

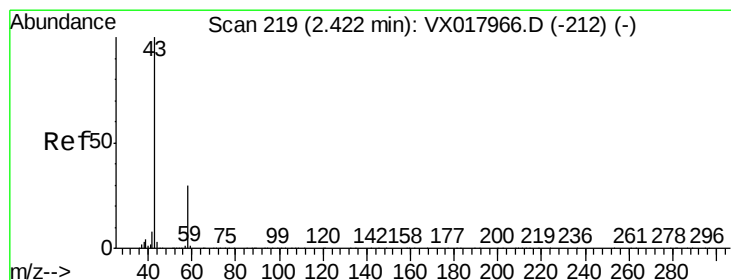
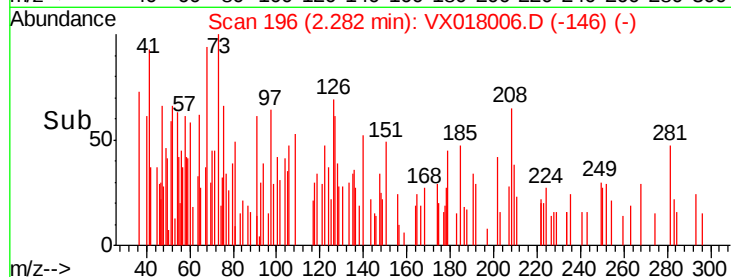
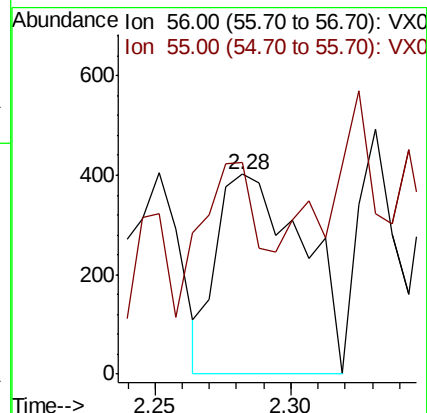
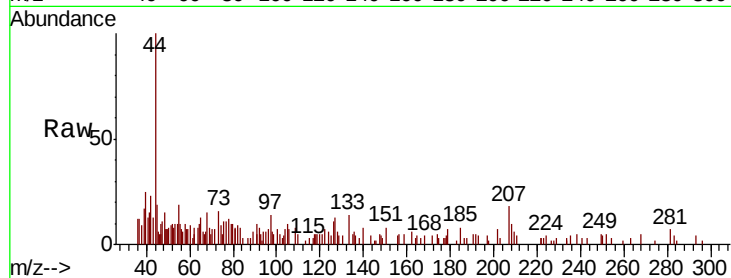
MW-SB8-S-081320

Tot Ion: 56 Resp: 880

Ion Ratio Lower Upper

56 100

55 52.5 58.2 87.4#



#16

Acetone

Concen: 3.350 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018006.D

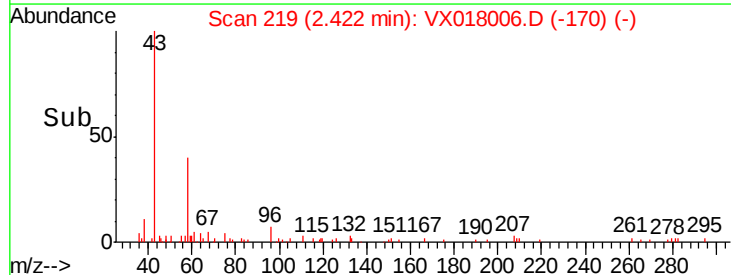
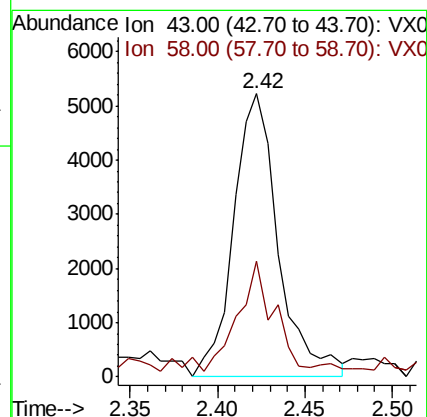
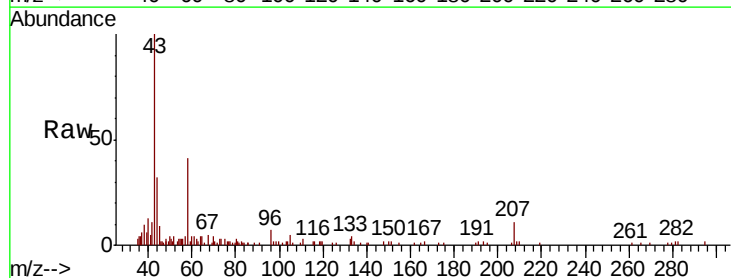
Acq: 20 Aug 2020 00:49

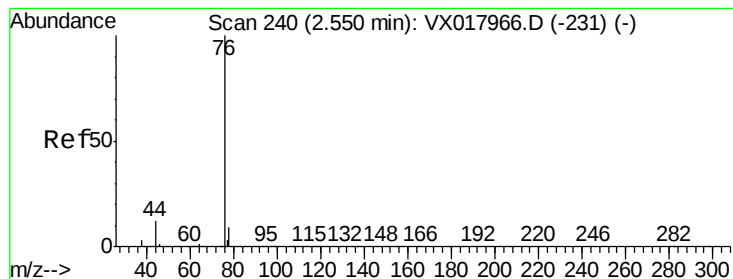
Tgt Ion: 43 Resp: 9324

Ion Ratio Lower Upper

43 100

58 38.1 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.376 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

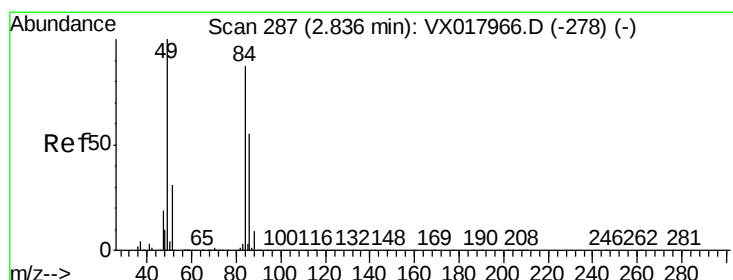
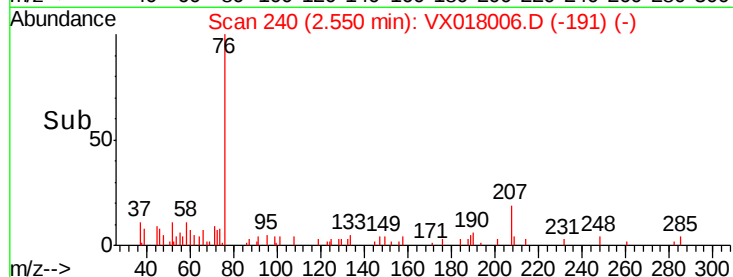
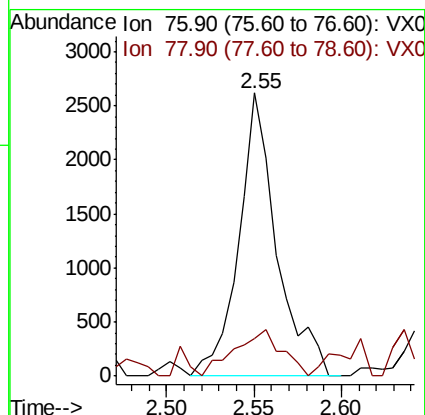
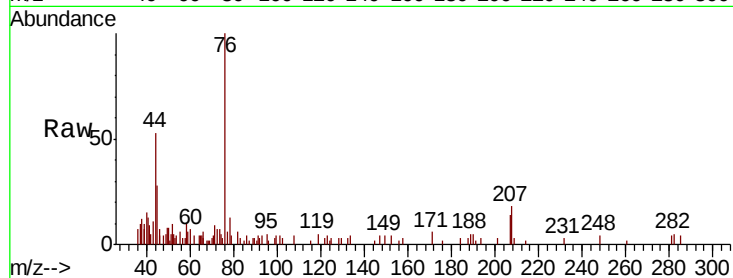
MW-SB8-S-081320

Tot Ion: 76 Resp: 3964

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



#20

Methylene Chloride

Concen: 1.236 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Tgt Ion: 84 Resp: 6339

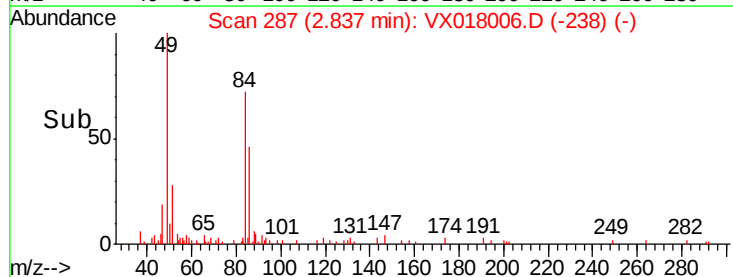
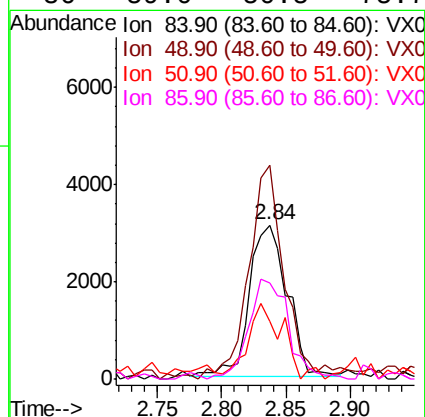
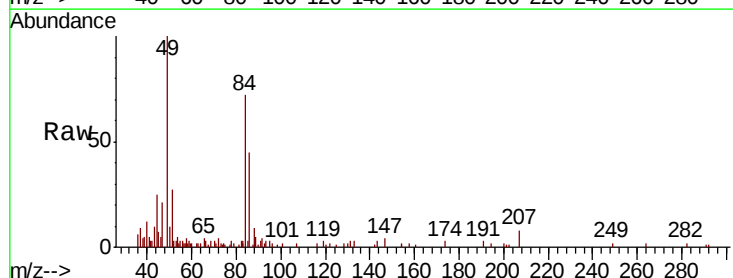
Ion Ratio Lower Upper

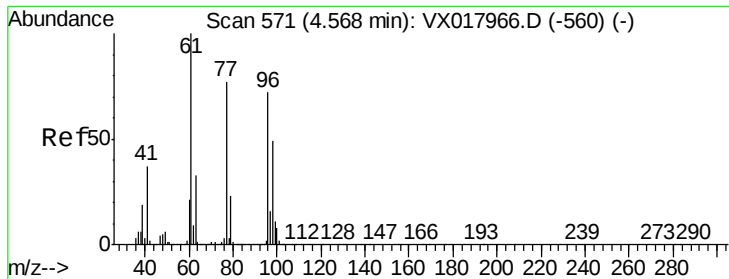
84 100

49 138.4 91.8 137.6#

51 34.0 27.8 41.8

86 59.0 50.5 75.7



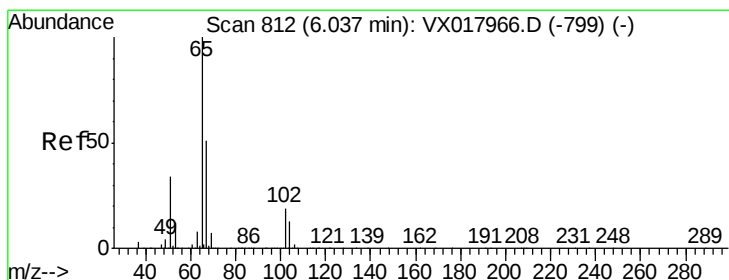
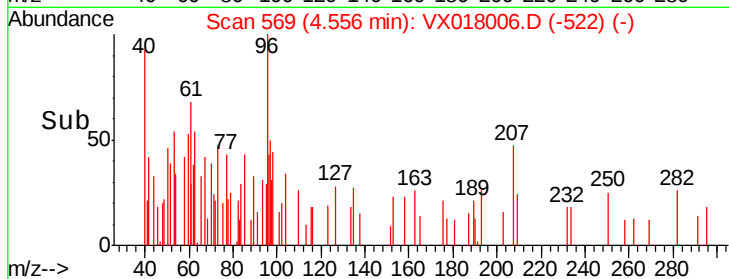
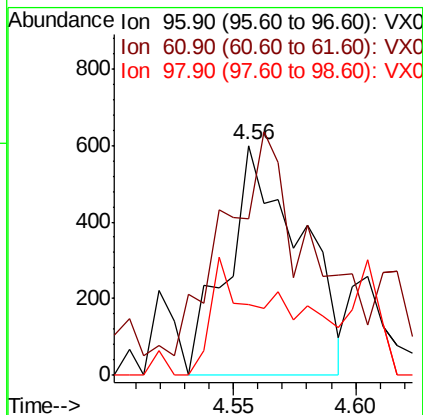
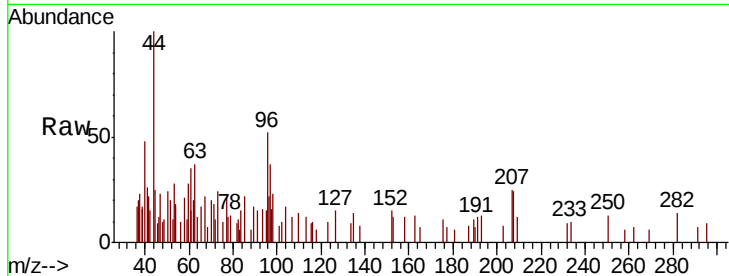


#27

cis-1,2-Dichloroethene
 Concen: 0.234 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX018006.D
 Acq: 20 Aug 2020 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-SB8-S-081320

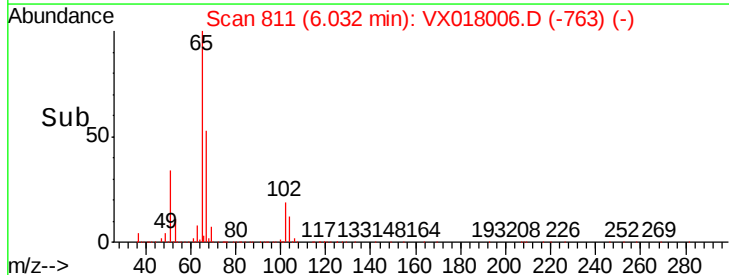
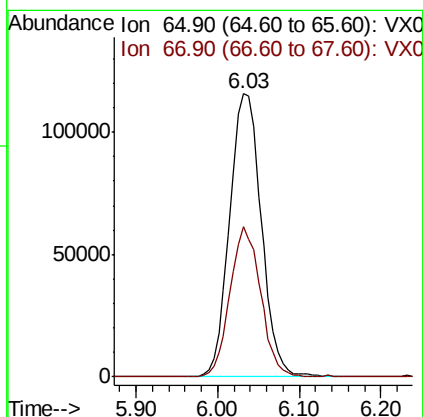
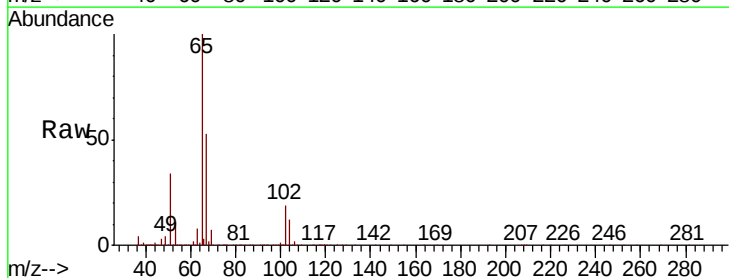
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.5	0.0	298.8
98	27.3	0.0	130.2

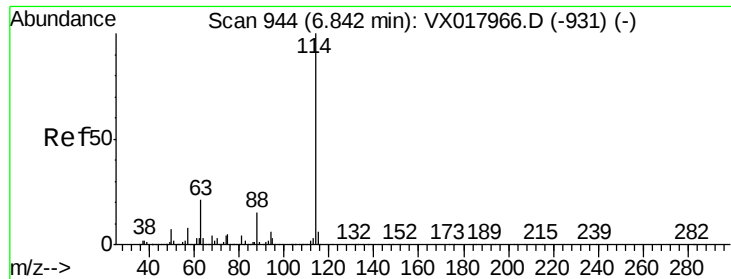


#33

1,2-Dichloroethane-d4
 Concen: 43.952 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX018006.D
 Acq: 20 Aug 2020 00:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

MW-SB8-S-081320

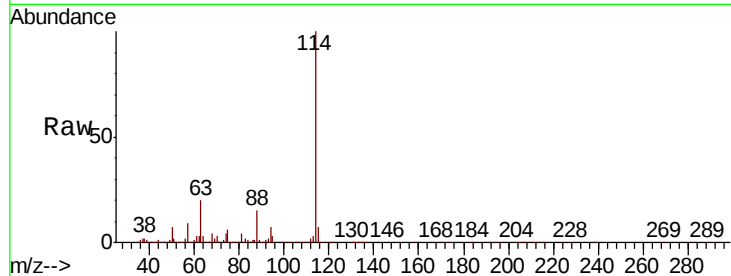
Tot Ion:114 Resp: 701071

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

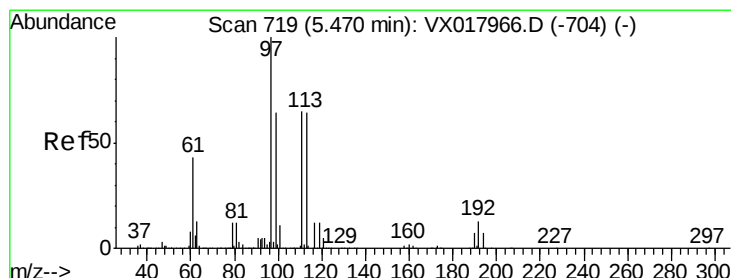
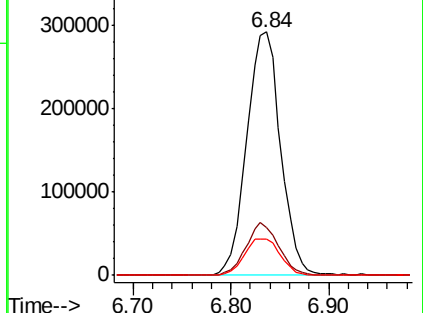
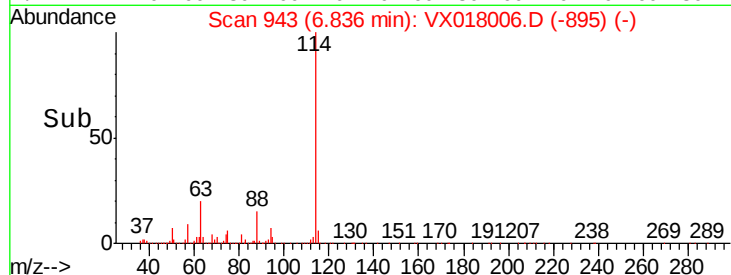
88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.217 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

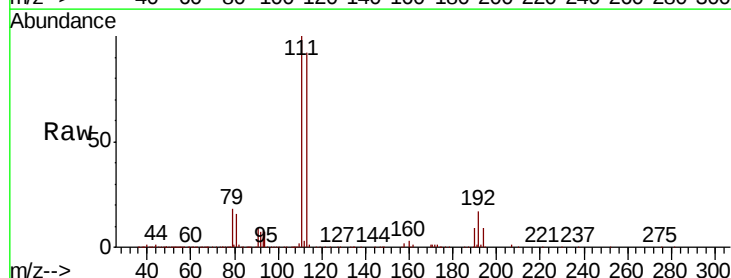
Tgt Ion:113 Resp: 246507

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

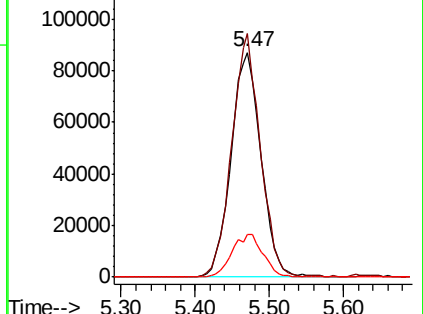
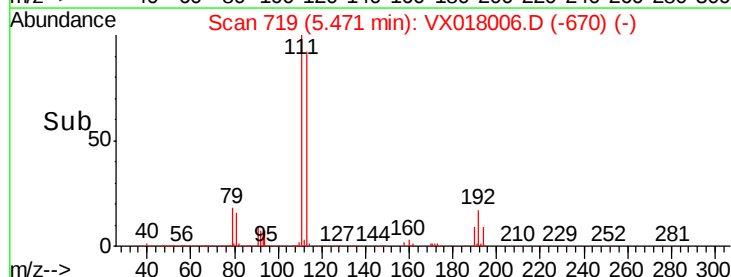
192 20.0 16.2 24.4

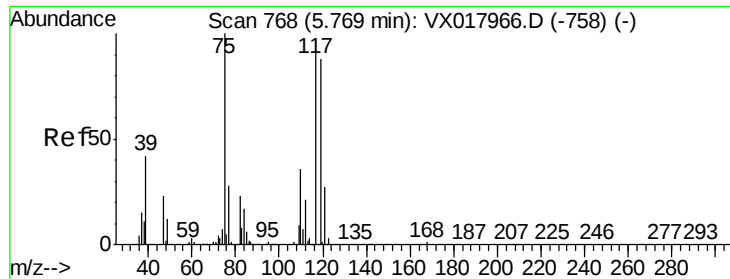


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

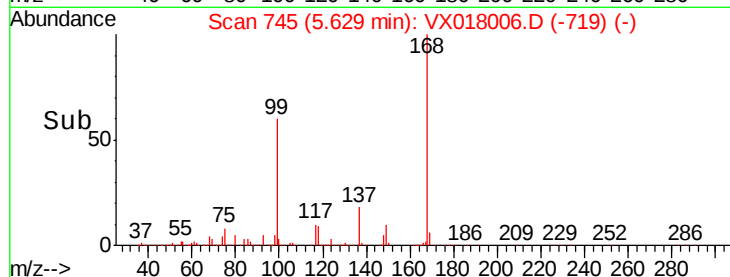
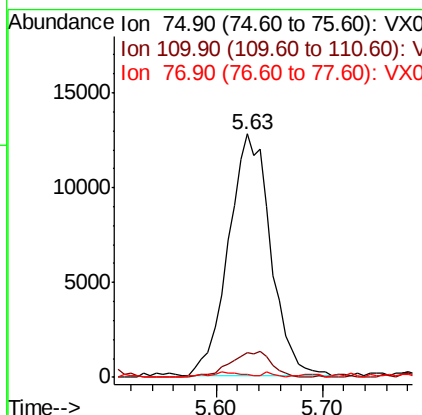
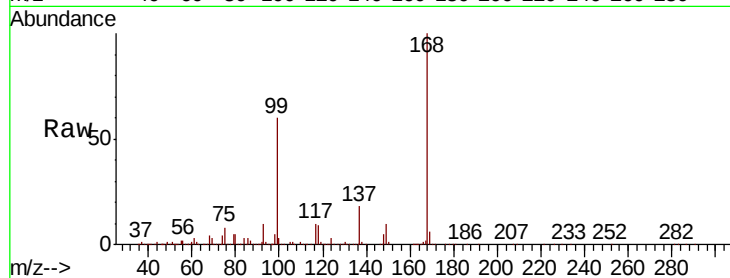




#36
 1,1-Dichloropropene
 Concen: 6.027 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018006.D
 Acq: 20 Aug 2020 00:49

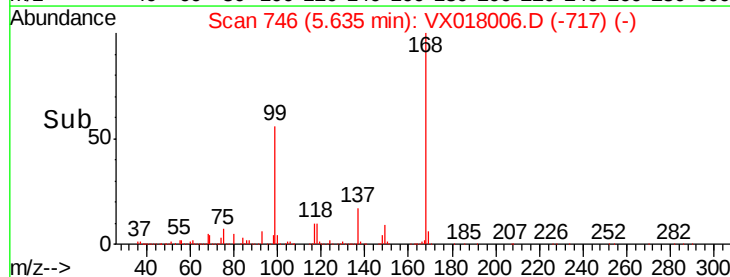
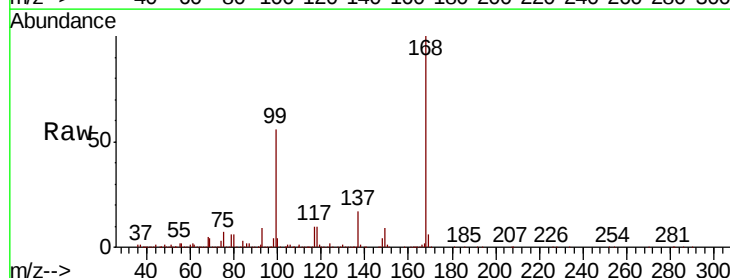
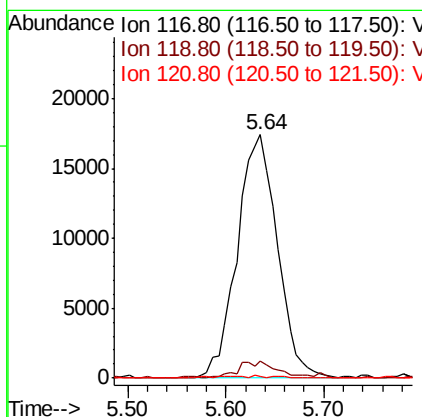
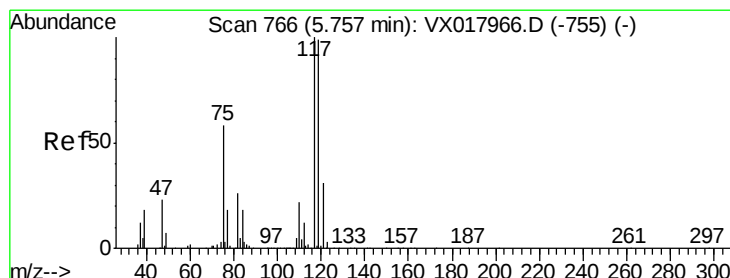
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-SB8-S-081320

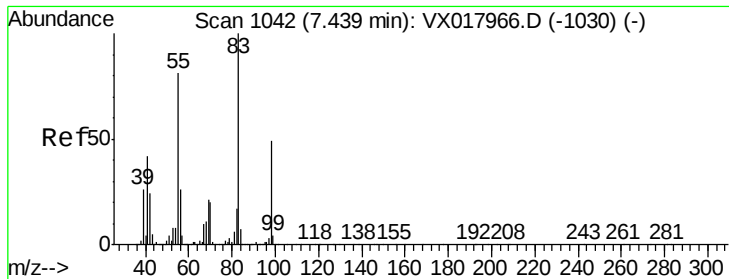
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.7	56.1#
77	0.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.523 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018006.D
 Acq: 20 Aug 2020 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	79.0	118.6#
121	0.6	24.7	37.1#

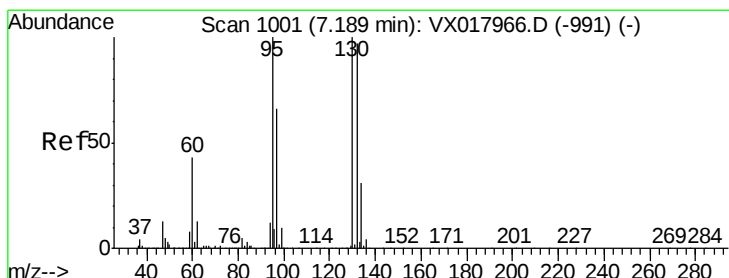
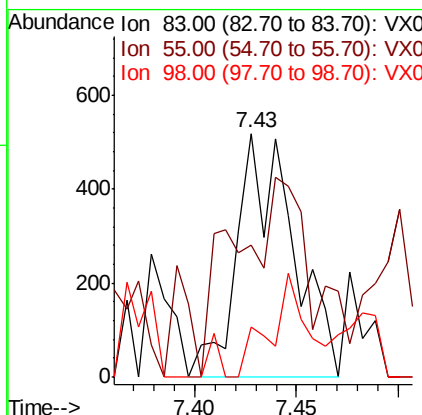
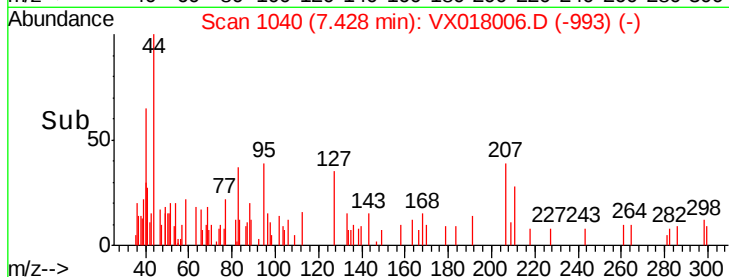
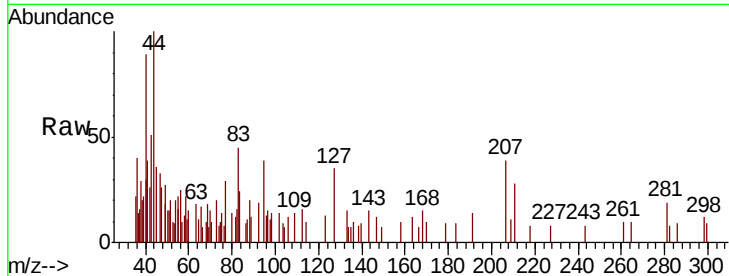




#39
Methvlcvclohexane
Concen: 0.943 ug/l
RT: 7.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

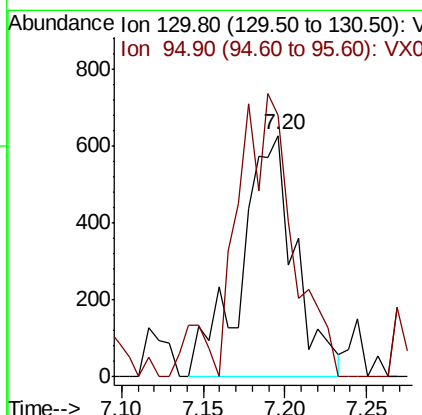
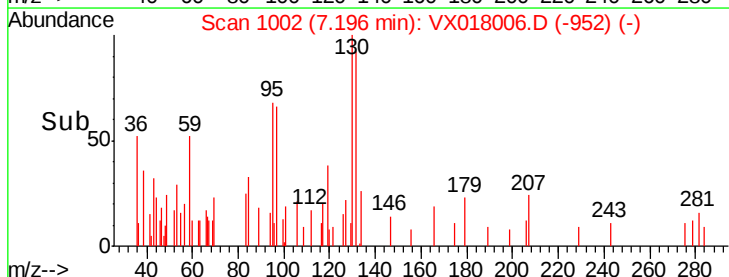
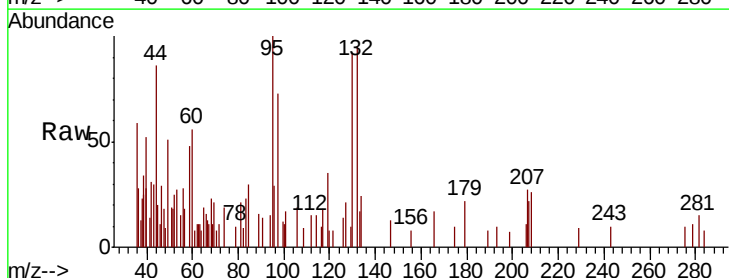
Instrument :
MSVOA_X
ClientSampled :
MW-SB8-S-081320

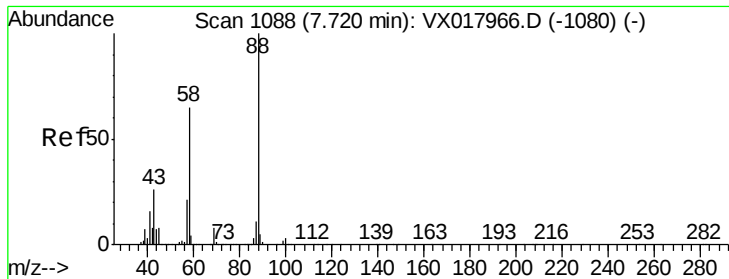
Tot Ion: 83 Resp: 989
Ion Ratio Lower Upper
83 100
55 24.1 64.5 96.7#
98 20.5 39.0 58.6#



#44
Trichloroethene
Concen: 0.273 ug/l
RT: 7.20 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

Tgt Ion:130 Resp: 1432
Ion Ratio Lower Upper
130 100
95 108.3 0.0 200.6

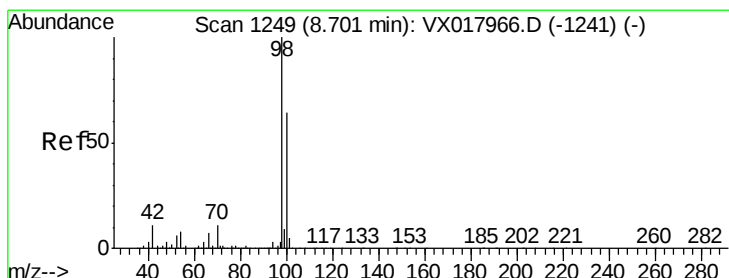
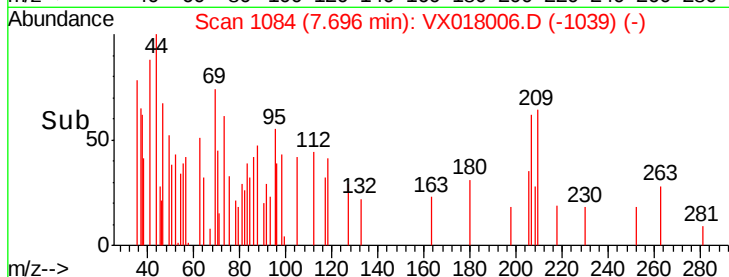
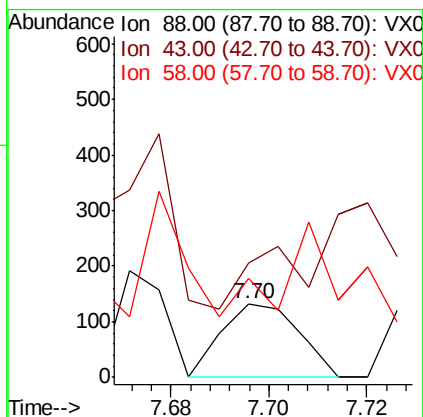
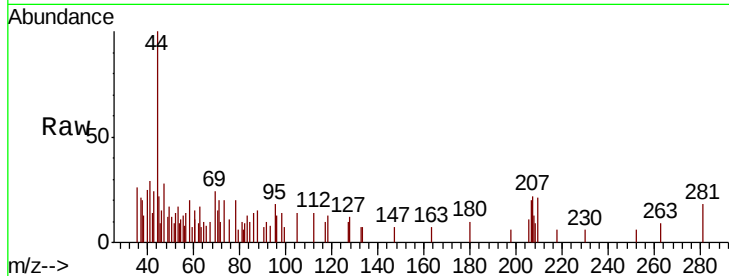




#49
1,4-Dioxane
Concen: 1.261 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

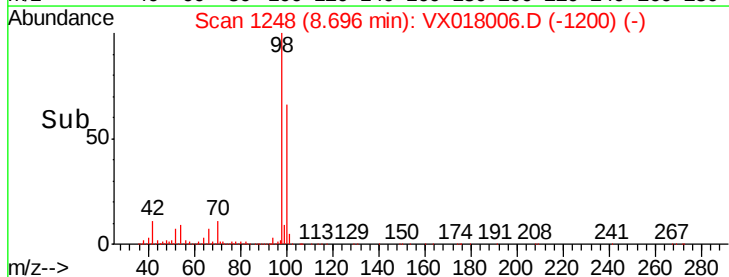
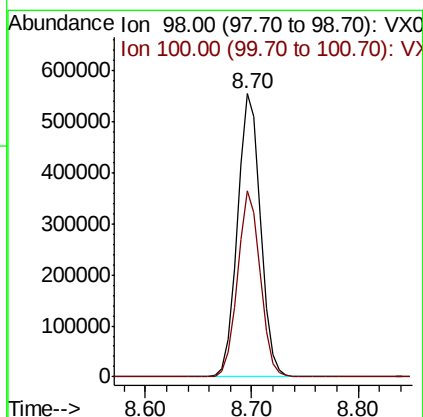
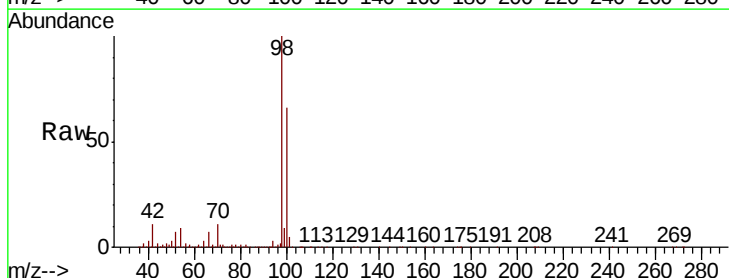
Instrument :
MSVOA_X
ClientSampleId :
MW-SB8-S-081320

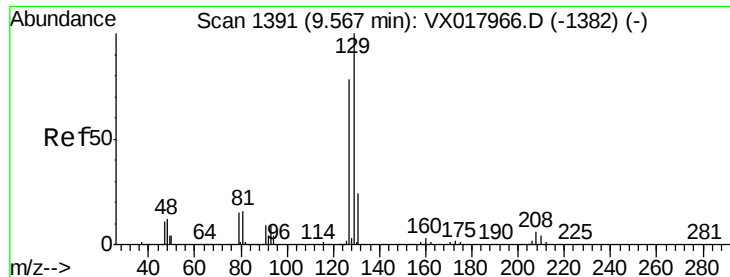
Tot Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 0.0 27.3 40.9#
58 333.8 57.7 86.5#



#50
Toluene-d8
Concen: 45.825 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

Tgt Ion: 98 Resp: 845655
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2





#60

Dibromochloromethane

Concen: 5.248 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

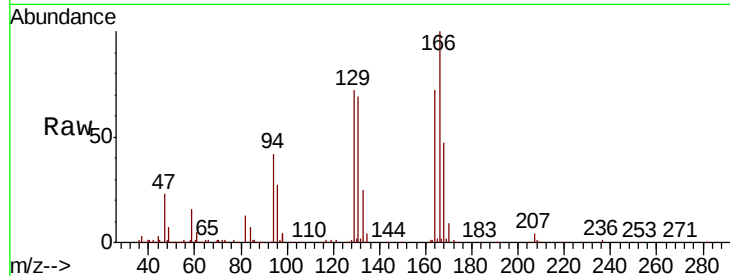
MW-SB8-S-081320

Tot Ion:129 Resp: 34815

Ion Ratio Lower Upper

129 100

127 0.7 39.5 118.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

25000

20000

15000

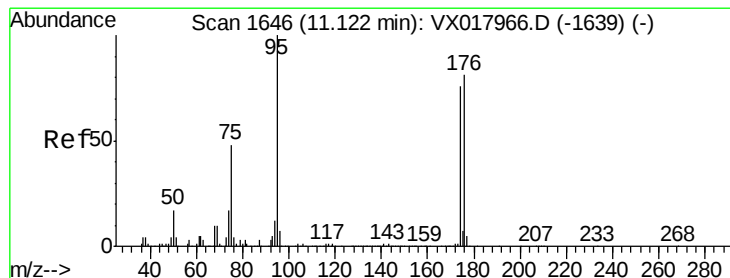
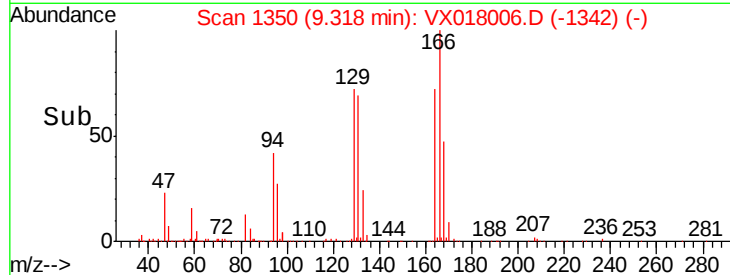
10000

5000

0

9.25 9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 44.892 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

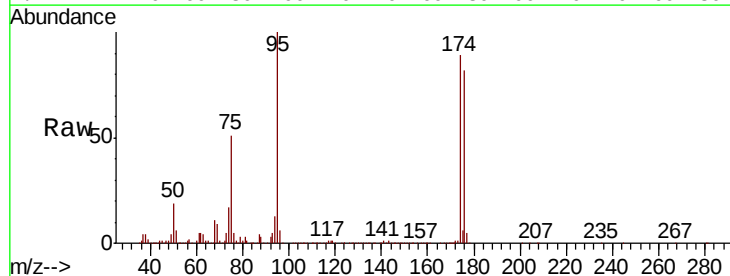
Tgt Ion: 95 Resp: 305979

Ion Ratio Lower Upper

95 100

174 84.1 0.0 166.0

176 78.6 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

300000

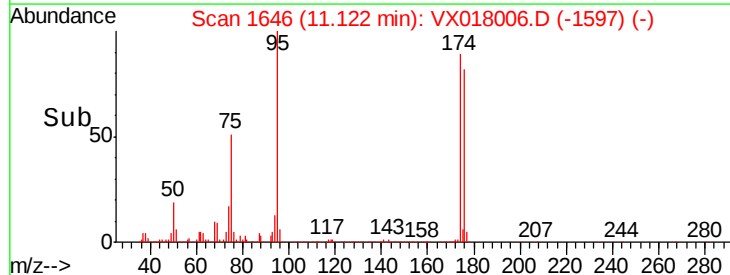
200000

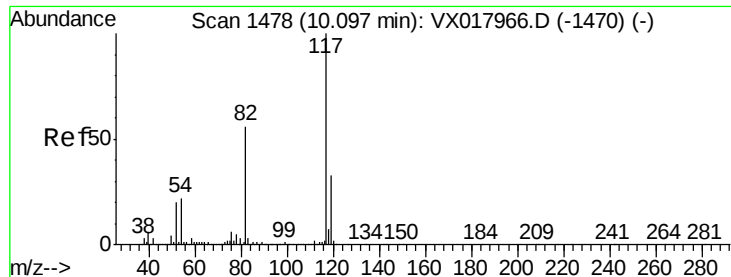
100000

0

11.10 11.20

Time-->

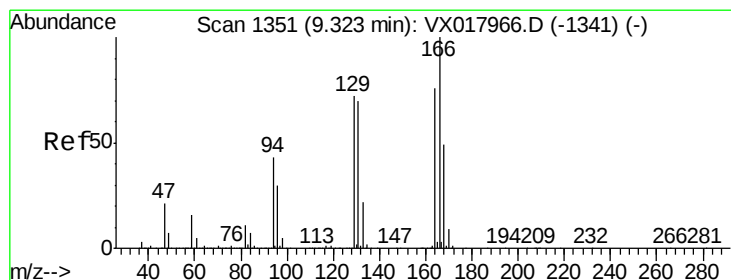
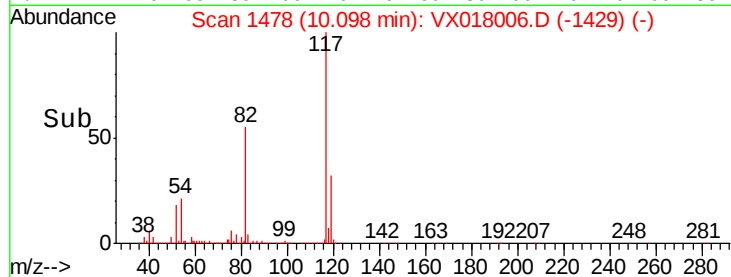
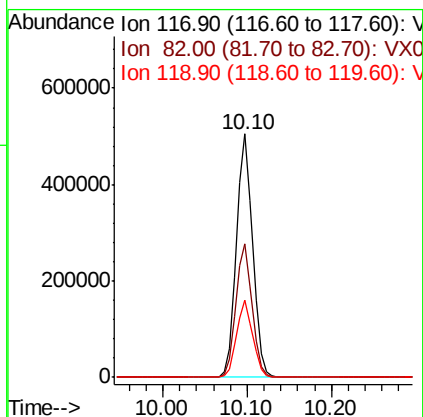
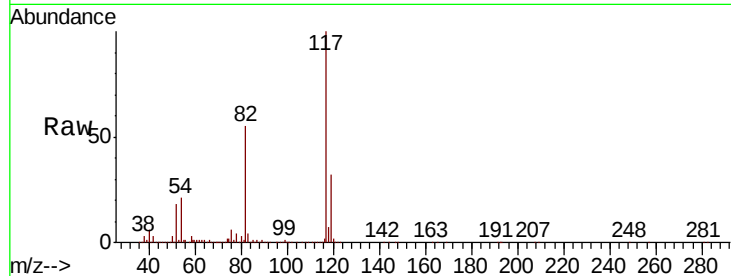




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

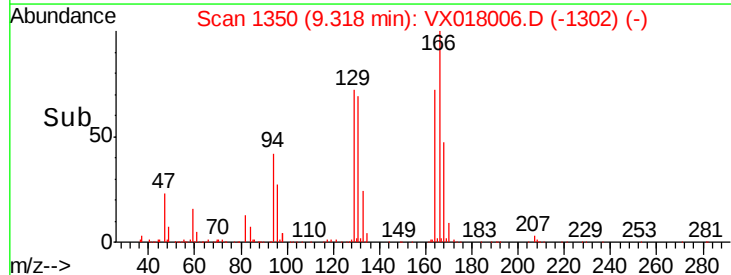
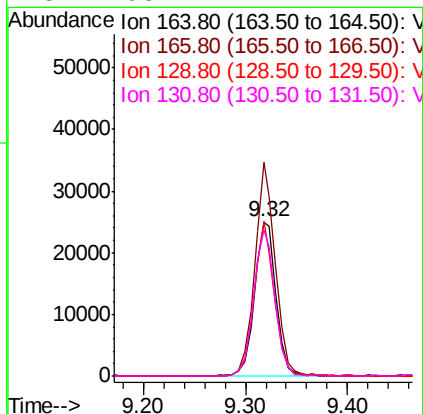
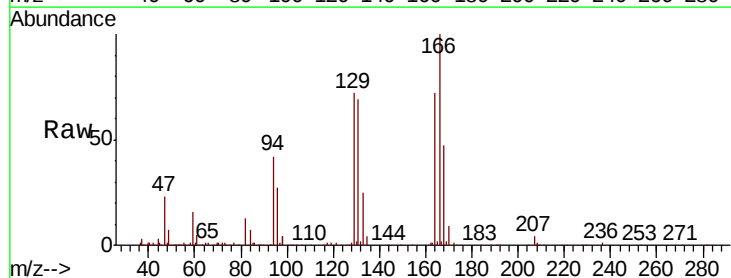
Instrument :
MSVOA_X
ClientSampleId :
MW-SB8-S-081320

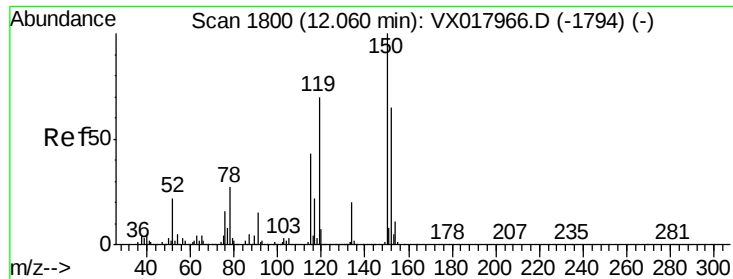
Tot Ion:117 Resp: 654057
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 31.5 26.2 39.4



#64
Tetrachloroethene
Concen: 7.408 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX018006.D
Acq: 20 Aug 2020 00:49

Tgt Ion:164 Resp: 37002
Ion Ratio Lower Upper
164 100
166 138.8 105.7 158.5
129 100.4 75.8 113.8
131 95.2 74.2 111.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

MW-SB8-S-081320

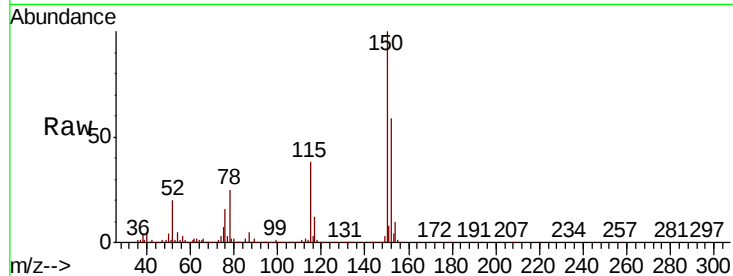
Tot Ion:152 Resp: 321477

Ion Ratio Lower Upper

152 100

115 60.4 40.6 121.7

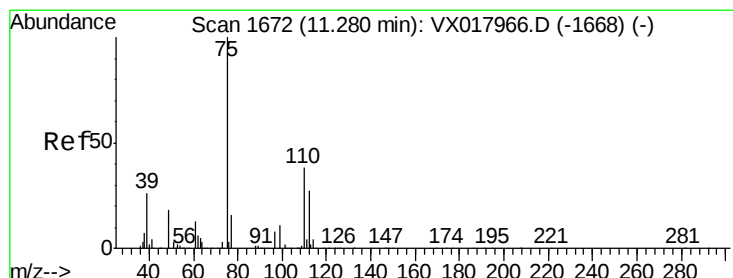
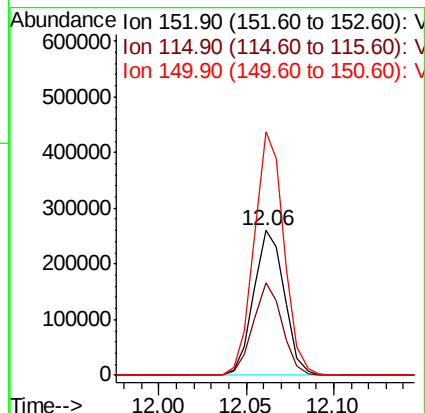
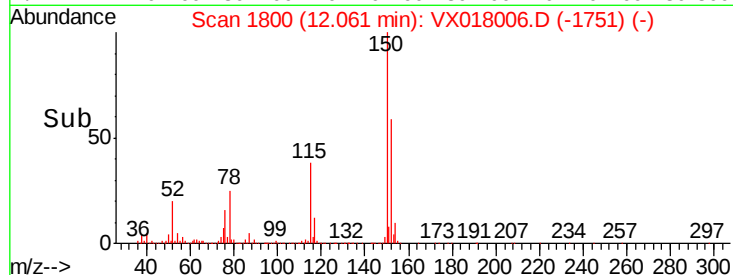
150 162.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.786 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018006.D

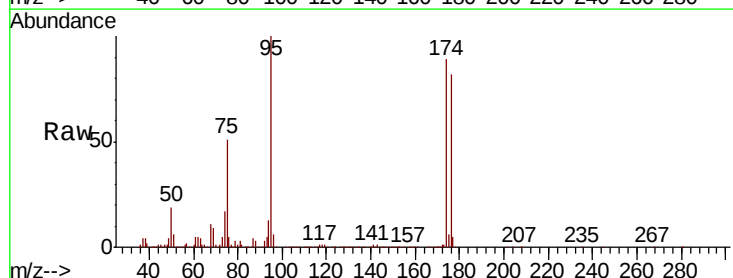
Acq: 20 Aug 2020 00:49

Tgt Ion: 75 Resp: 155781

Ion Ratio Lower Upper

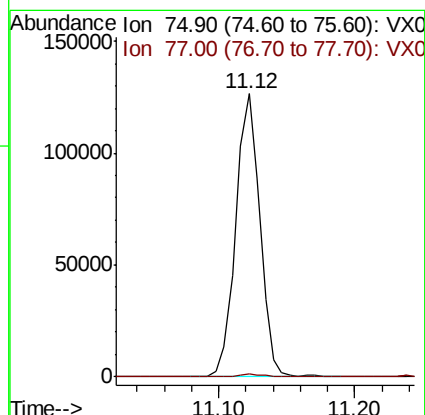
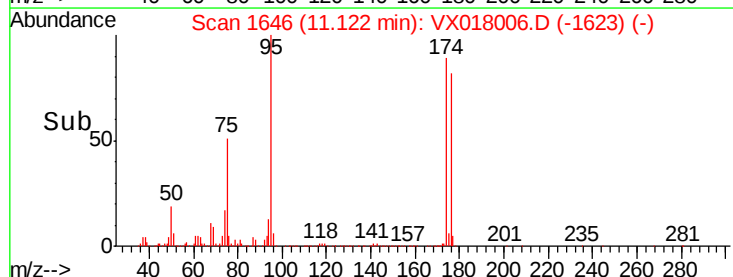
75 100

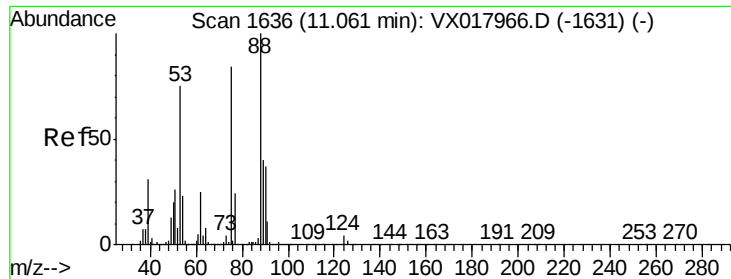
77 1.4 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.861 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018006.D

Acq: 20 Aug 2020 00:49

Instrument :

MSVOA_X

ClientSampleId :

MW-SB8-S-081320

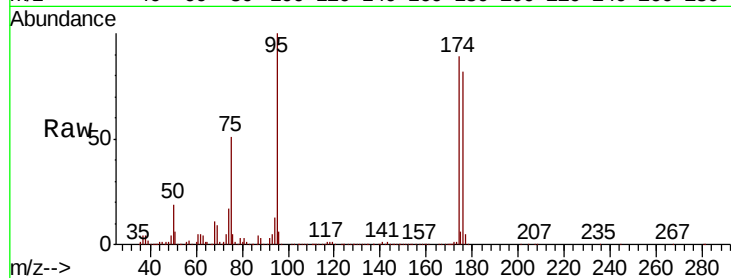
Tot Ion: 75 Resp: 155781

Ion Ratio Lower Upper

75 100

53 0.4 75.2 112.8#

89 0.1 38.4 57.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

