

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092420\
 Data File : VX018570.D
 Acq On : 24 Sep 2020 14:24
 Operator : JC/SP
 Sample : L4118-06 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20200918

Quant Time: Sep 25 01:06:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	460466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	747868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	723107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	354572	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	332564	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	5.47	113	254954	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	8.70	98	915087	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.12	95	341740	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

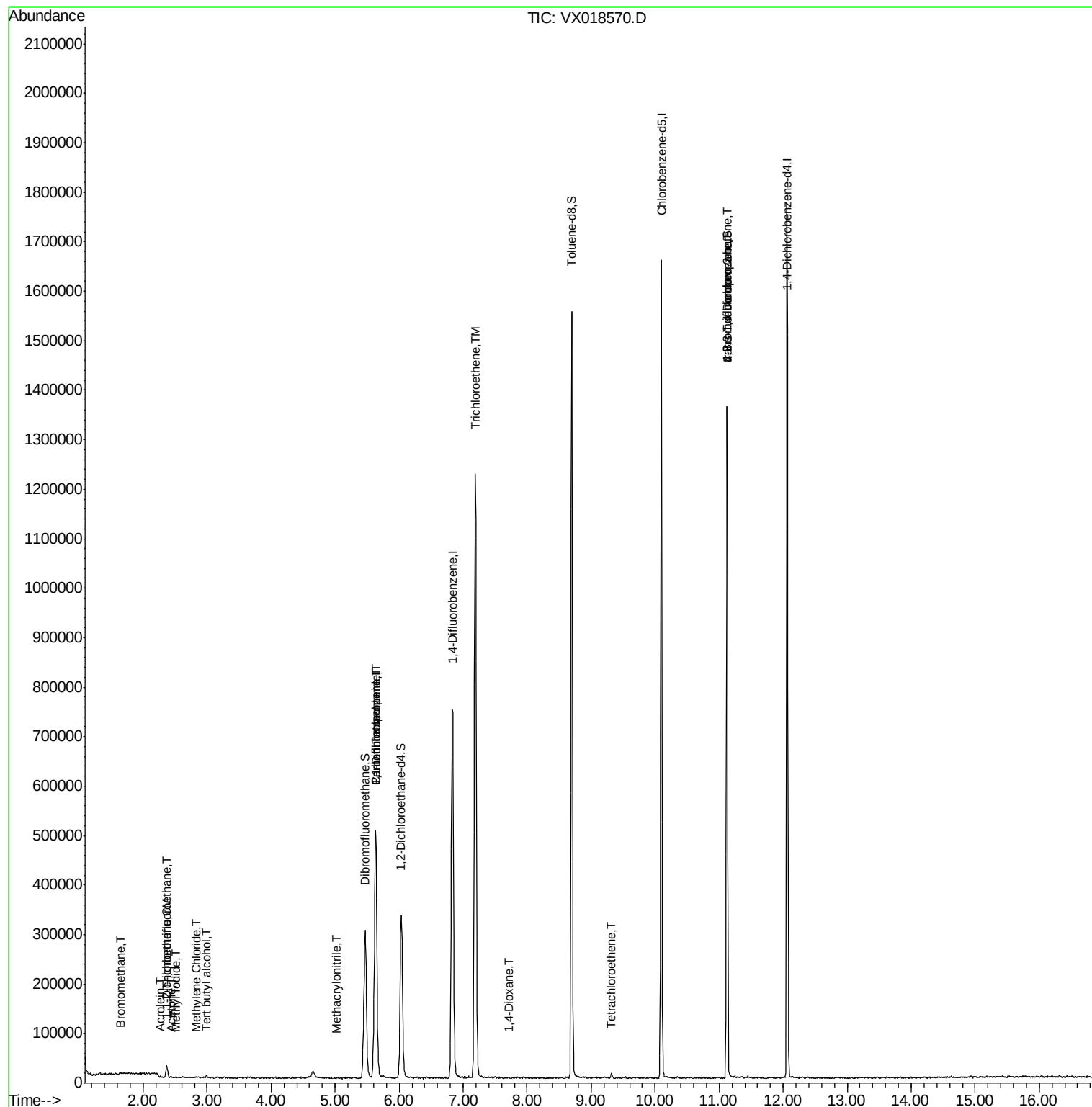
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	668	0.201	ug/l #	13
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7929	1.792	ug/l	91
10) Methyl Iodide	2.51	142	373	4.976	ug/l #	23
11) Tert butyl alcohol	2.99	59	1693	1.494	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	2729	0.612	ug/l #	80
13) Acrolein	2.27	56	150	0.209	ug/l #	1
16) Acetone	2.44	43	1677	0.673	ug/l #	57
20) Methylene Chloride	2.83	84	1519	0.276	ug/l #	72
36) 1,1-Dichloropropene	5.63	75	36861	5.078	ug/l #	51
38) Carbon Tetrachloride	5.64	117	49369	6.141	ug/l #	20
41) Methacrylonitrile	5.02	41	900	0.209	ug/l #	52
44) Trichloroethene	7.19	130	473087	78.558	ug/l	92
49) 1,4-Dioxane	7.71	88	82	0.793	ug/l #	1
64) Tetrachloroethene	9.32	164	1266	0.222	ug/l	86
76) 1,2,3-Trichloropropane	11.12	75	179567	24.099	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	179567	61.754	ug/l #	12

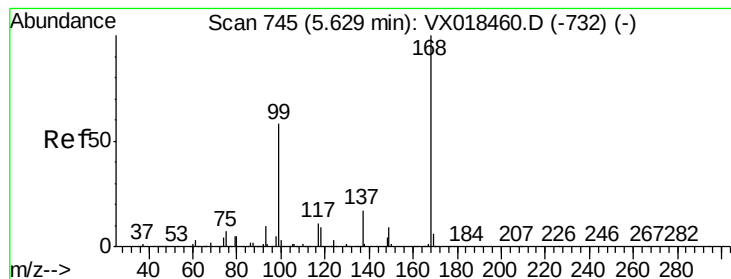
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

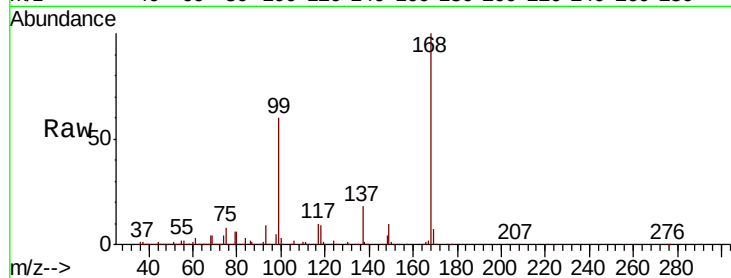
RE132D6-20200918

Tot Ion:168 Resp: 460466

Ion Ratio Lower Upper

168 100

99 60.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

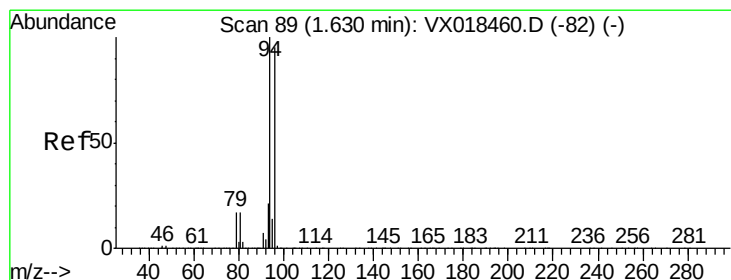
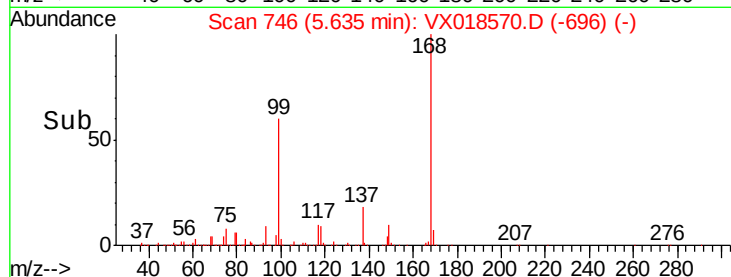
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018570.D

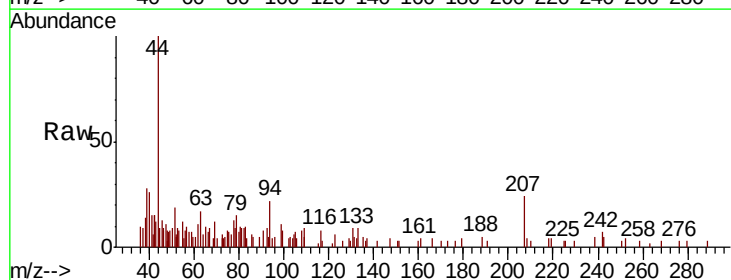
Acq: 24 Sep 2020 14:24

Tgt Ion: 94 Resp: 668

Ion Ratio Lower Upper

94 100

96 10.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

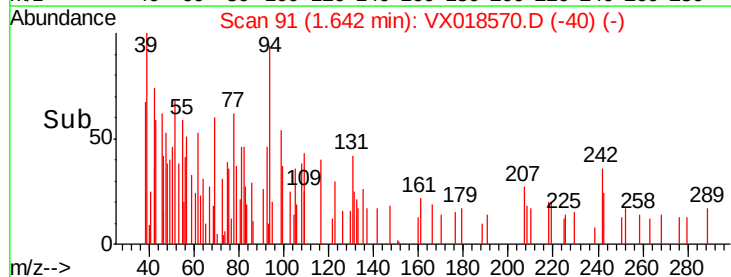
200

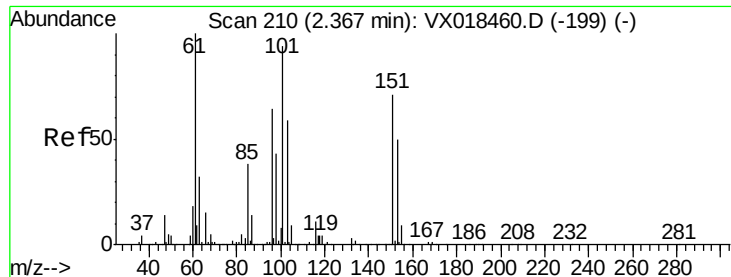
100

0

Time-->

1.60 1.65





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.792 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20200918

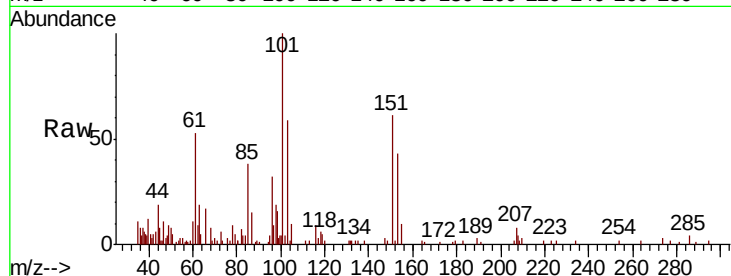
Tot Ion:101 Resp: 7929

Ion Ratio Lower Upper

101 100

85 50.6 34.7 52.1

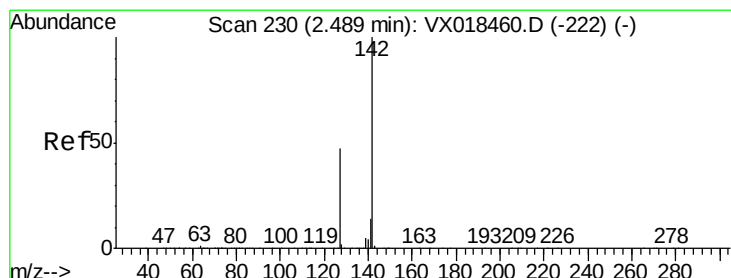
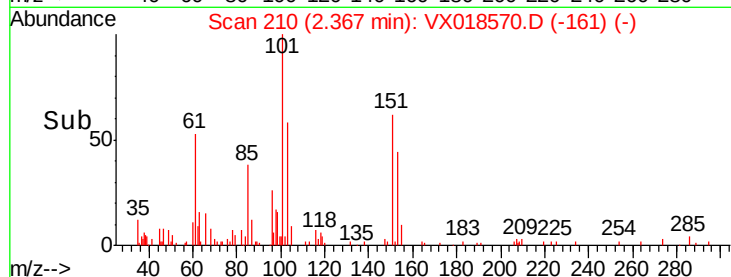
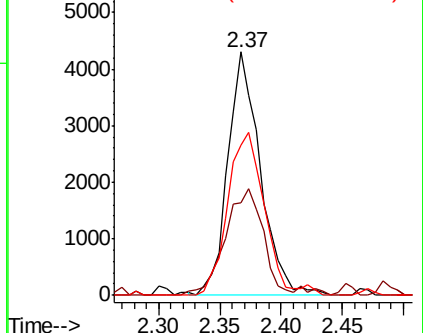
151 74.2 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.976 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

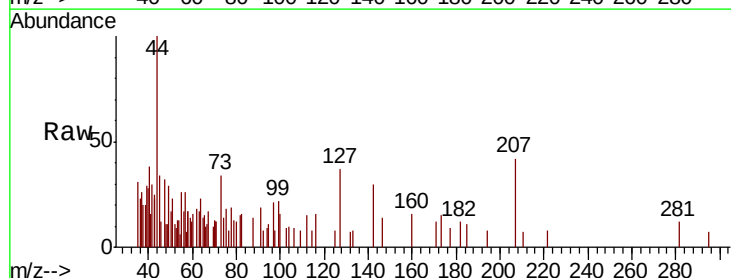
Tgt Ion:142 Resp: 373

Ion Ratio Lower Upper

142 100

127 104.0 36.0 54.0#

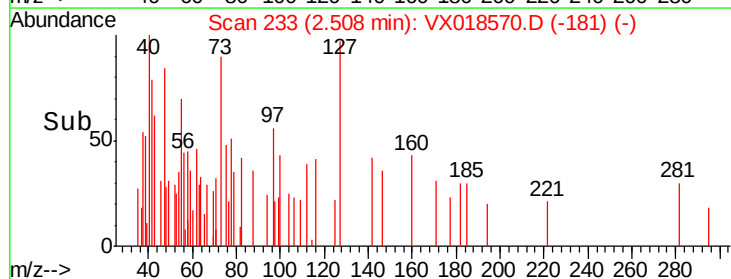
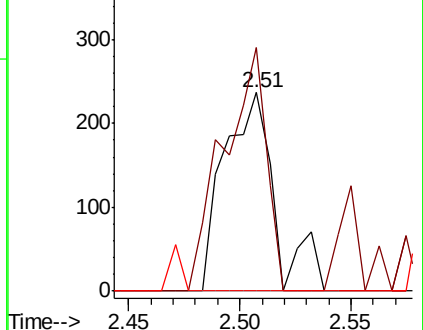
141 0.0 11.9 17.9#

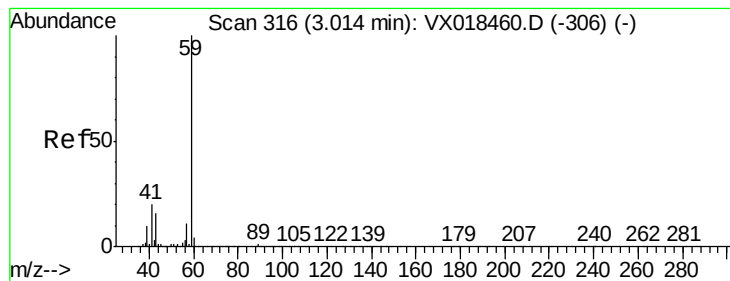


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



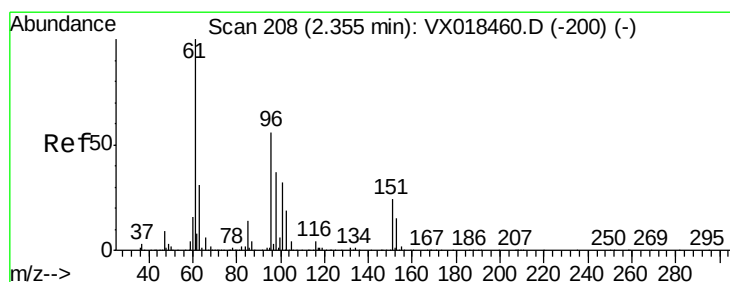
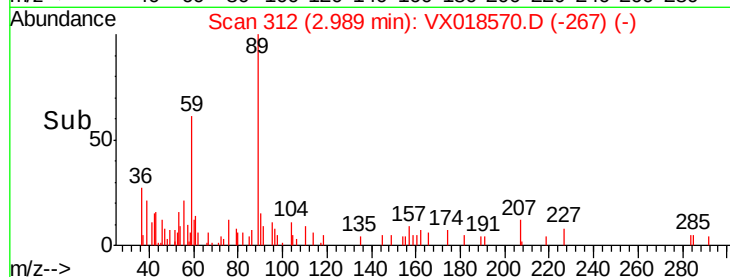
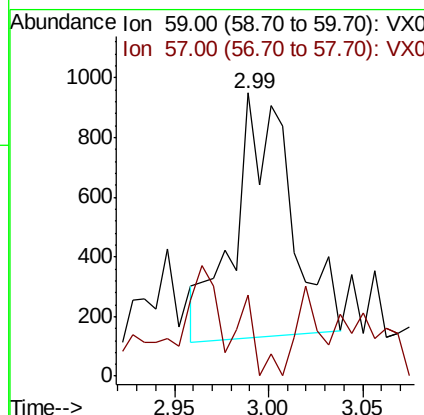
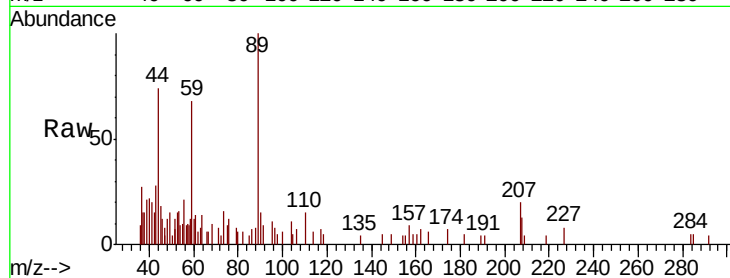


#11

Tert butyl alcohol
Concen: 1.494 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20200918

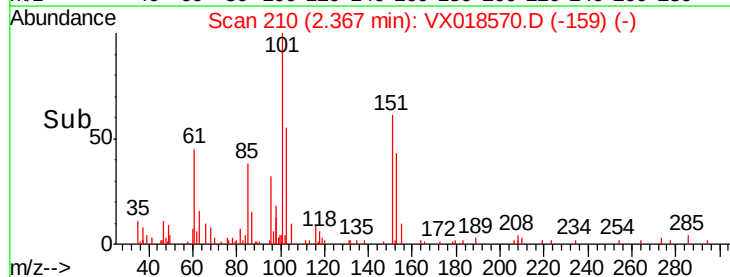
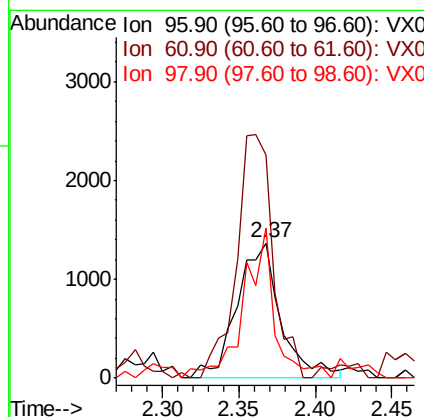
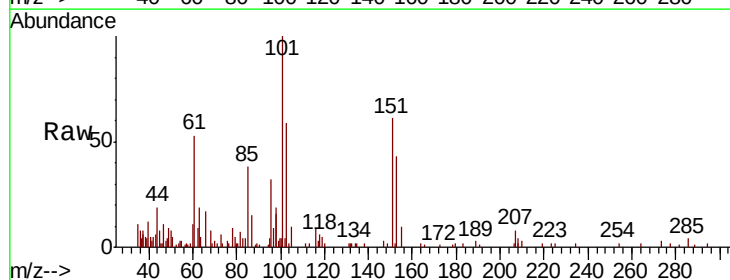
Tot Ion: 59 Resp: 1693
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

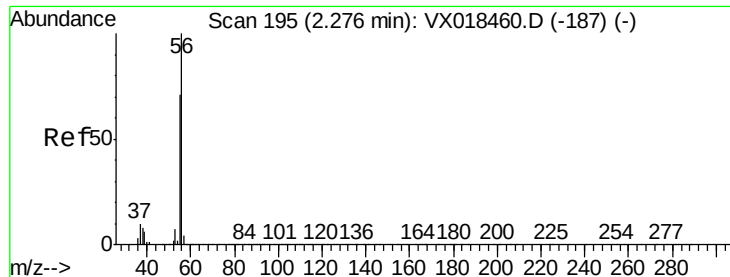


#12

1,1-Dichloroethene
Concen: 0.612 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.01 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Tgt Ion: 96 Resp: 2729
Ion Ratio Lower Upper
96 100
61 164.9 142.2 213.4
98 104.4 52.4 78.6#





#13

Acrolein

Concen: 0.209 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

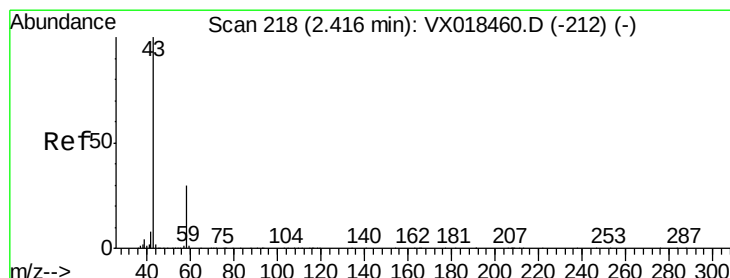
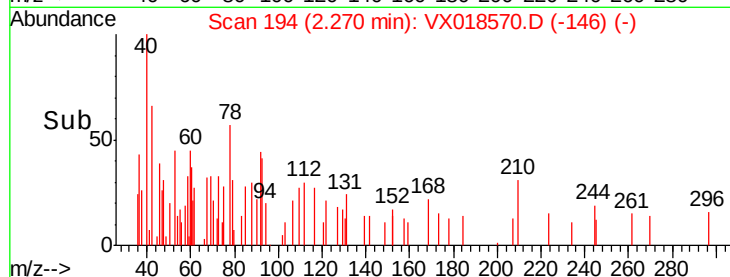
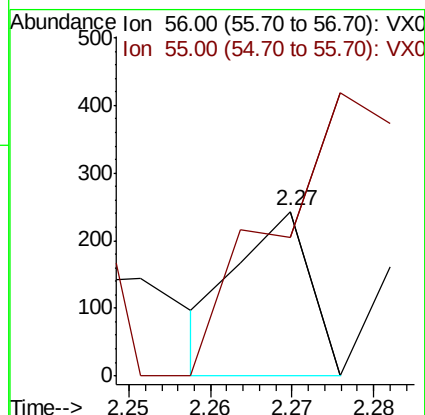
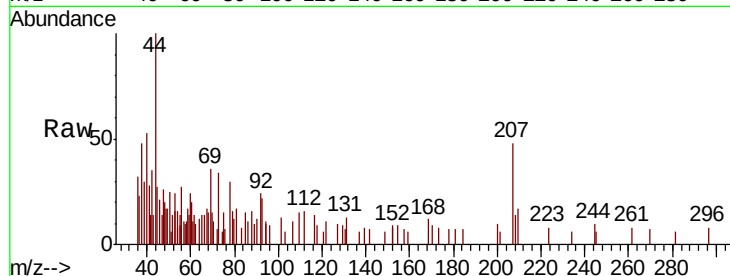
RE132D6-20200918

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 448.0 58.2 87.4#



#16

Acetone

Concen: 0.673 ug/l

RT: 2.44 min Scan# 222

Delta R.T. 0.02 min

Lab File: VX018570.D

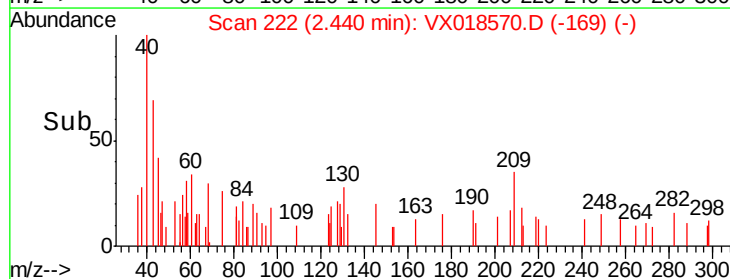
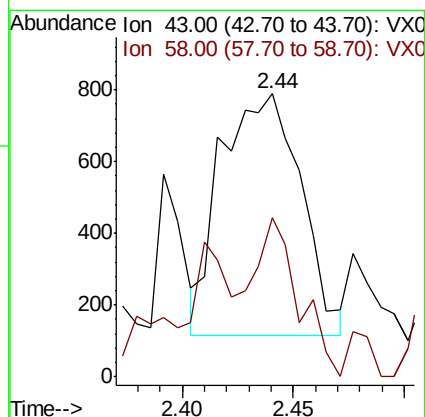
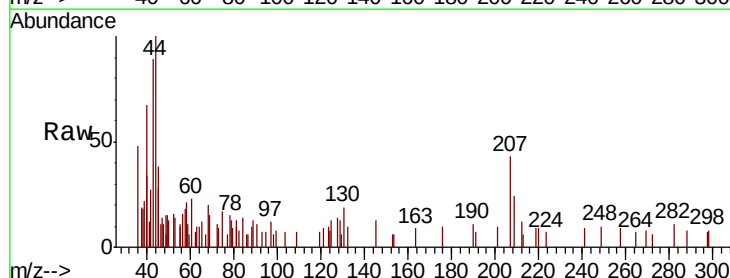
Acq: 24 Sep 2020 14:24

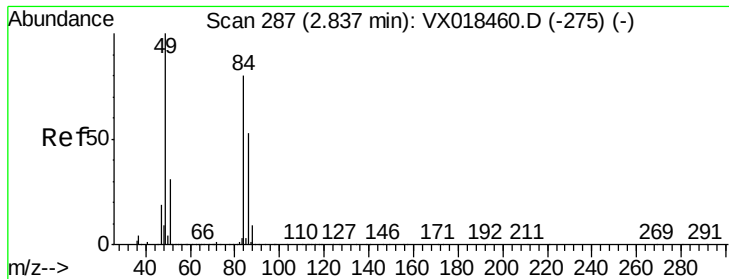
Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 53.3 24.0 36.0#

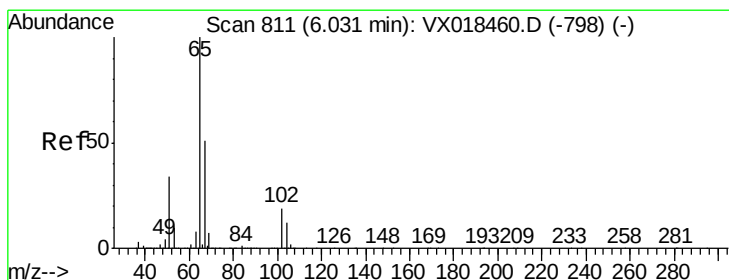
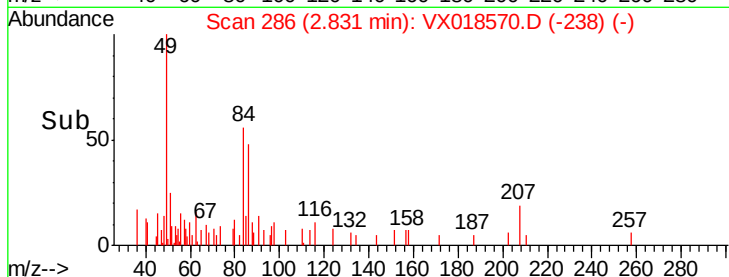
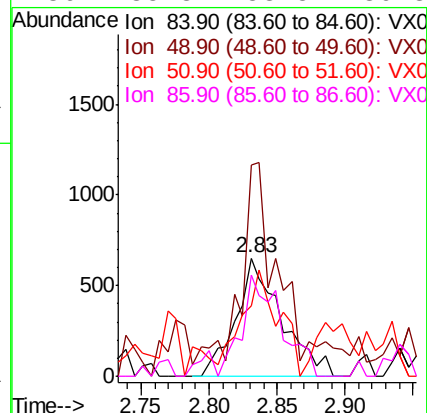
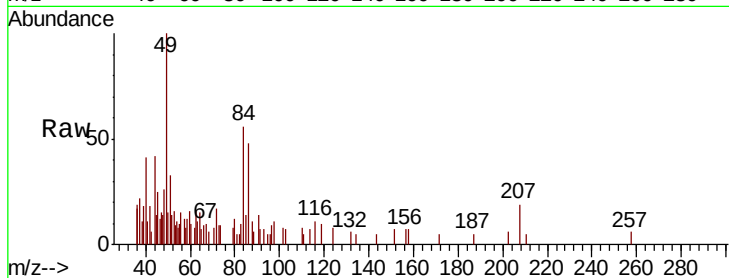




#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

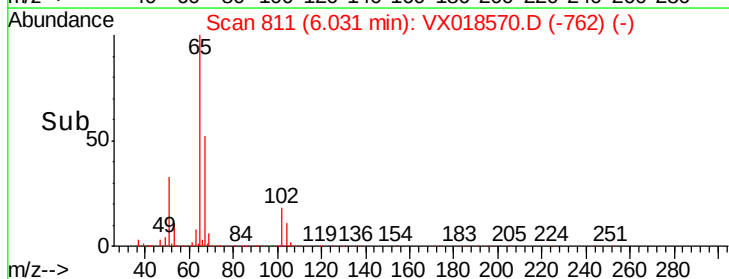
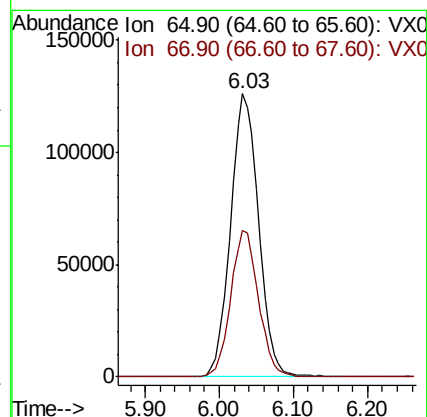
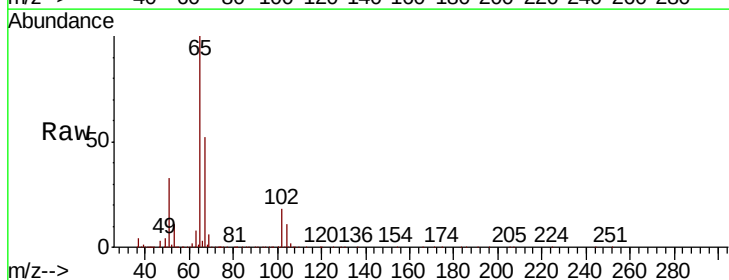
Instrument :
MSVOA_X
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RE132D6-20200918

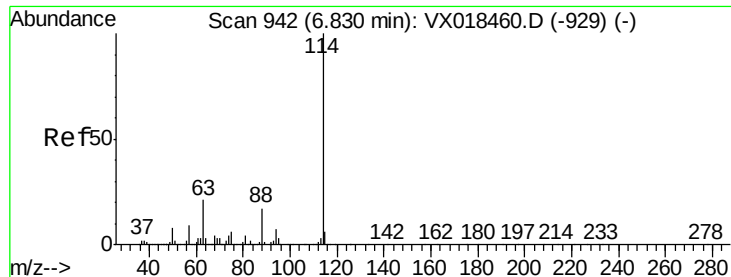
Tot Ion:	84	Resp:	1519
Ion	Ratio	Lower	Upper
84	100		
49	169.1	100.6	151.0#
51	35.2	30.9	46.3
86	85.3	53.5	80.3#



#33
1,2-Dichloroethane-d4
Concen: 51.054 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Tgt Ion:	65	Resp:	332564
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	105.6

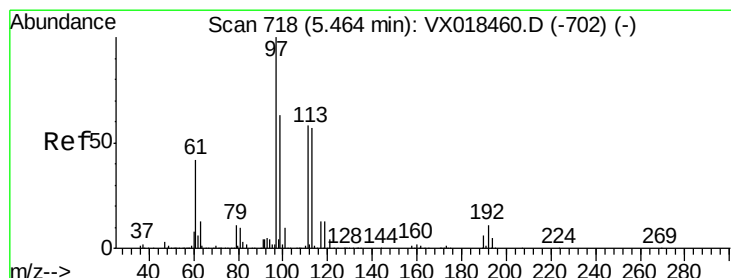
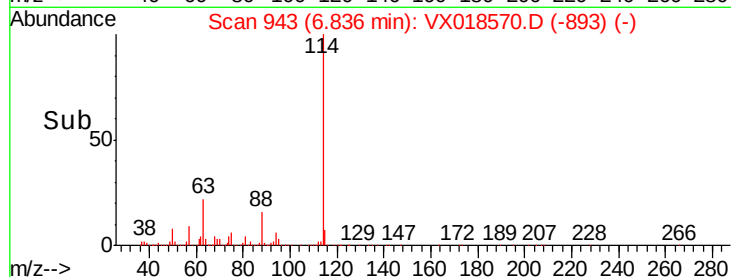
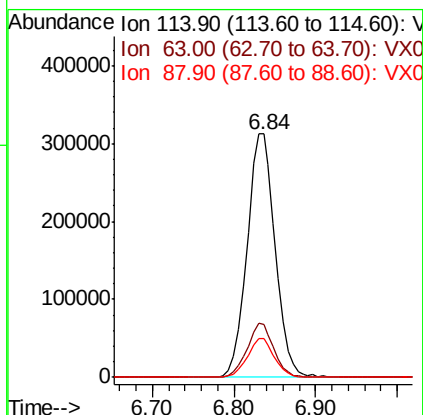
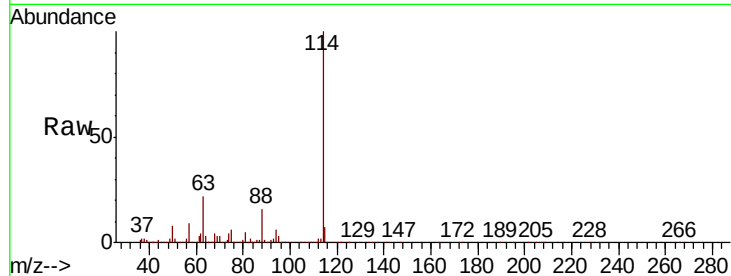




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018570.D
 Acq: 24 Sep 2020 14:24

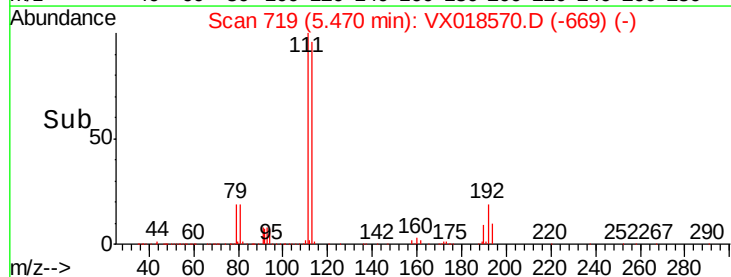
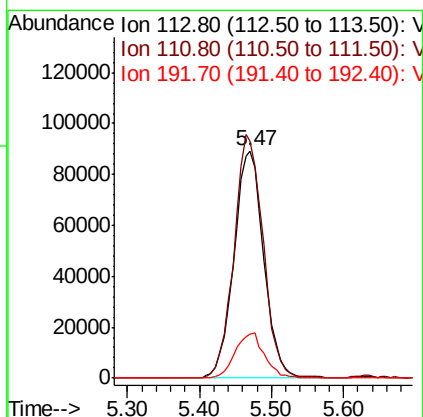
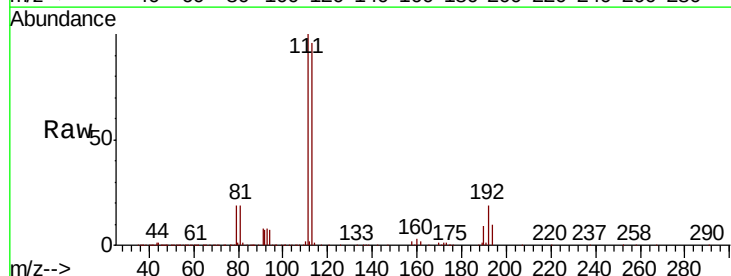
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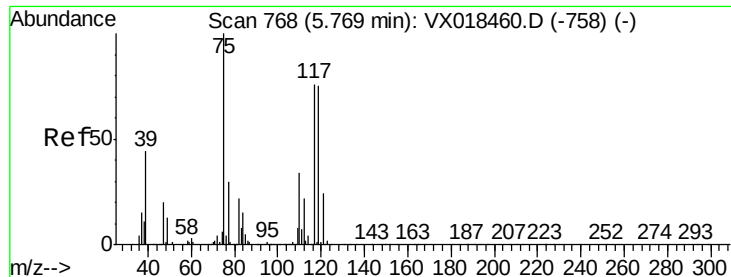
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.8
88	15.7	0.0	33.6



#35
 Dibromofluoromethane
 Concen: 49.313 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX018570.D
 Acq: 24 Sep 2020 14:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.4	122.2
192	19.6	16.6	24.8

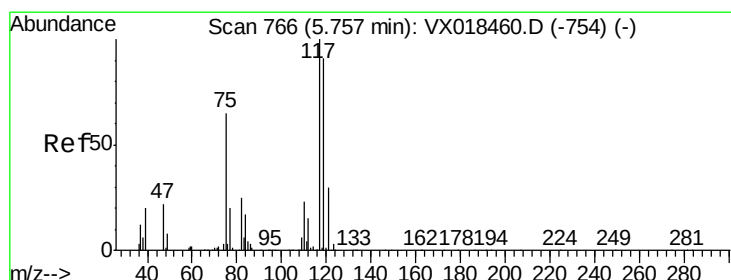
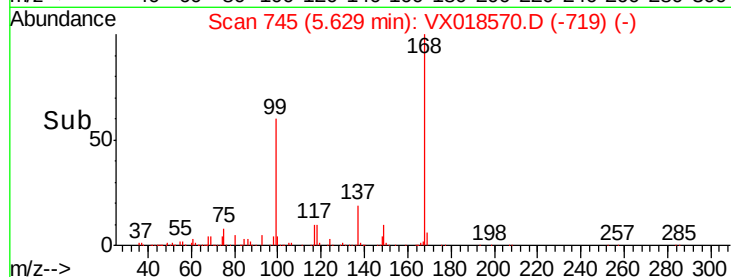
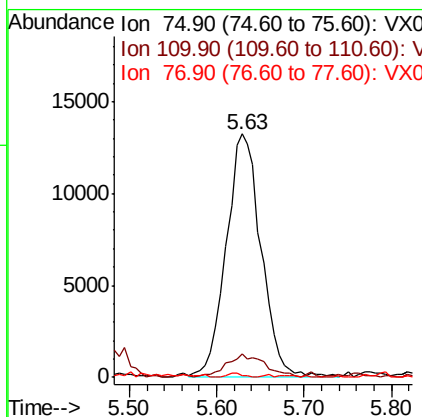
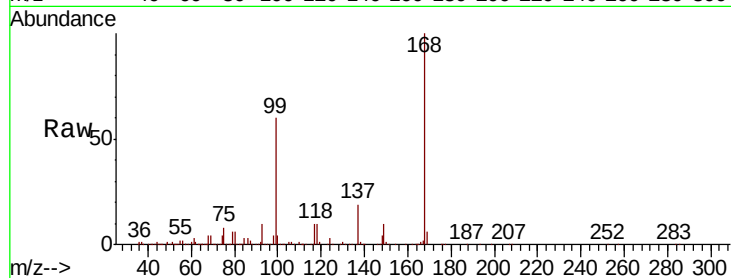




#36
 1,1-Dichloropropene
 Concen: 5.078 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018570.D
 Acq: 24 Sep 2020 14:24

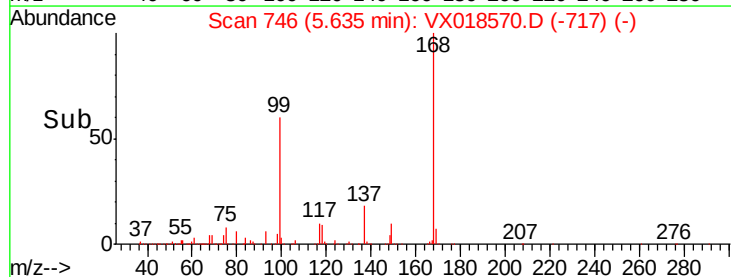
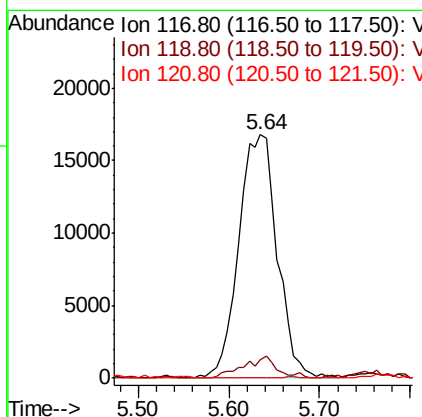
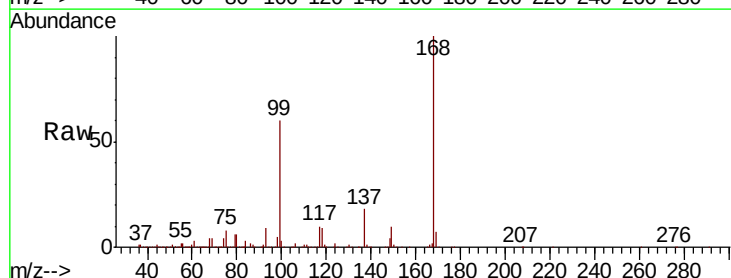
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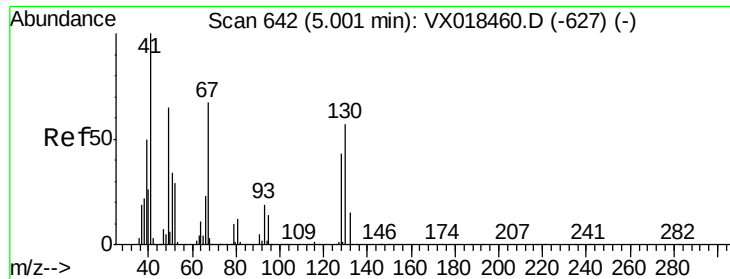
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.6	52.8#
77	0.7	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.141 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018570.D
 Acq: 24 Sep 2020 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	72.3	108.5#
121	0.0	23.8	35.8#

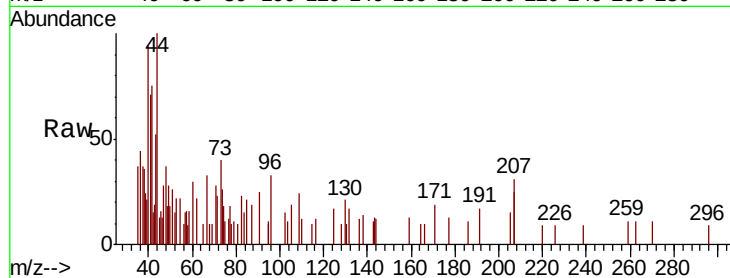




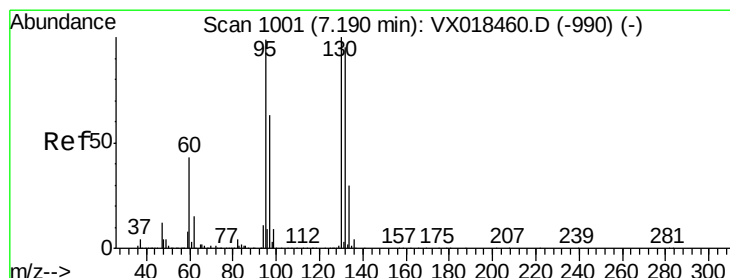
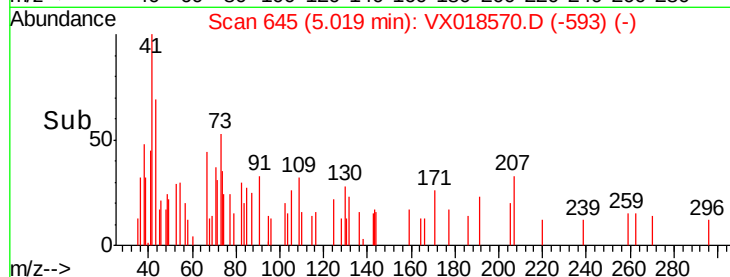
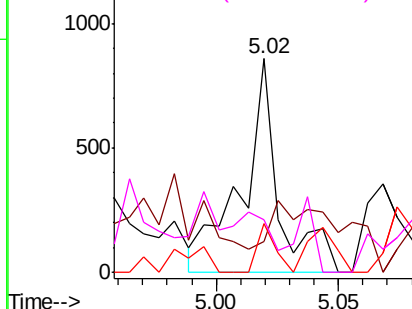
#41
Methacrylonitrile
Concen: 0.209 ug/l
RT: 5.02 min Scan# 645
Delta R.T. 0.02 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20200918

Tot Ion: 41 Resp: 900
Ion Ratio Lower Upper
41 100
39 67.8 45.3 67.9
67 11.1 56.7 85.1#
52 0.0 23.4 35.0#

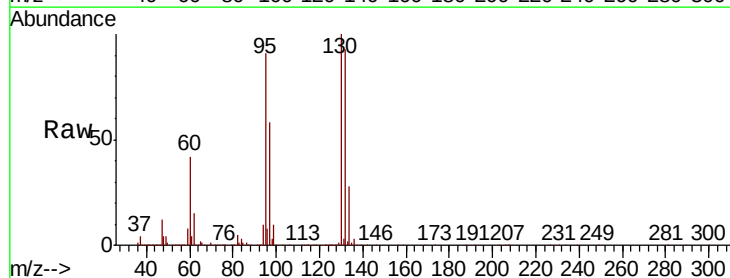


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

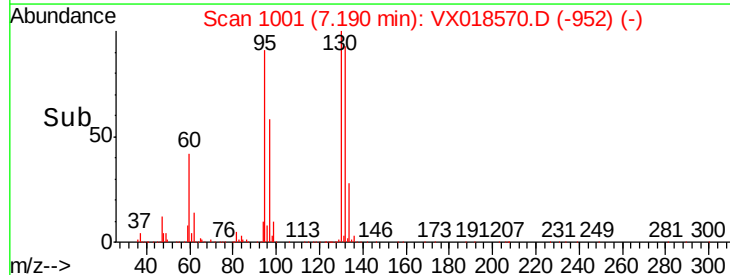
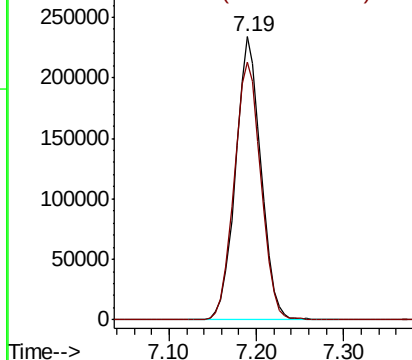


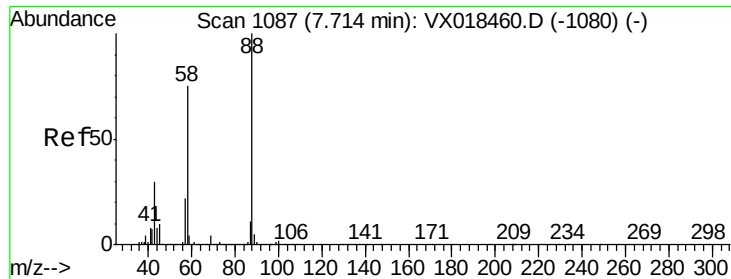
#44
Trichloroethene
Concen: 78.558 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Tgt Ion:130 Resp: 473087
Ion Ratio Lower Upper
130 100
95 90.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.793 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20200918

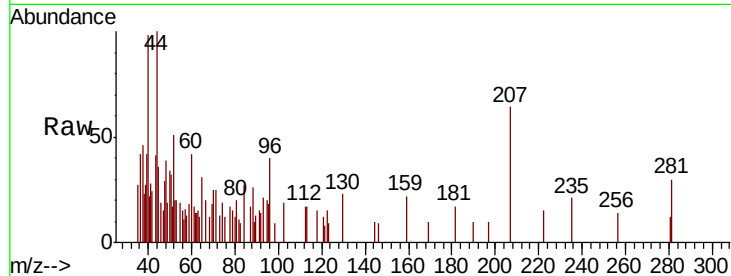
Tot Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

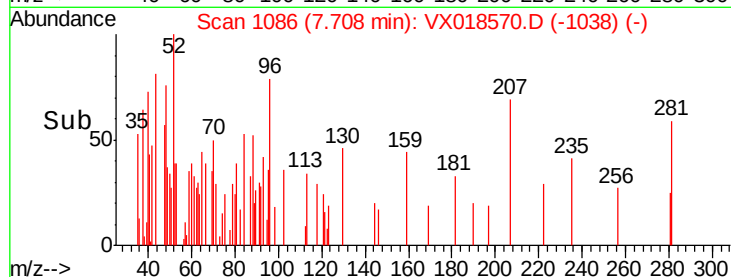
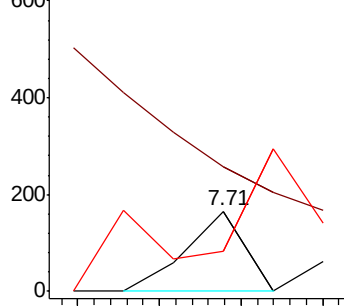
58 446.3 59.0 88.6#



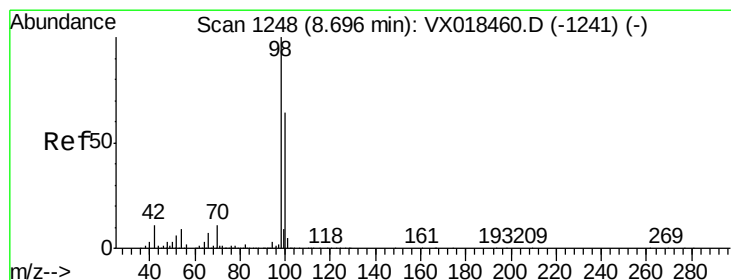
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.714 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018570.D

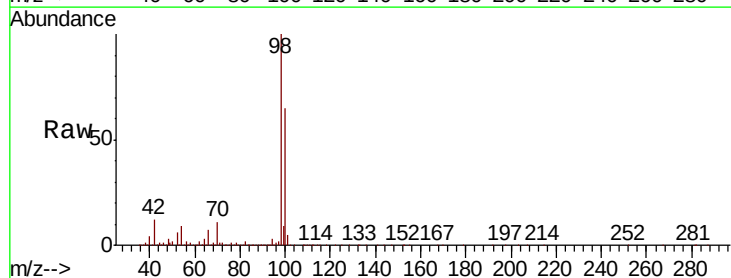
Acq: 24 Sep 2020 14:24

Tgt Ion: 98 Resp: 915087

Ion Ratio Lower Upper

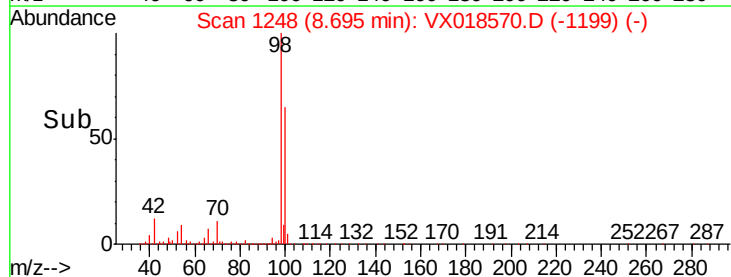
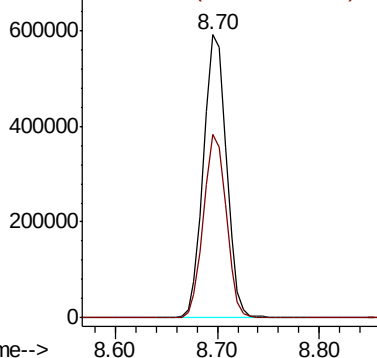
98 100

100 64.2 51.7 77.5

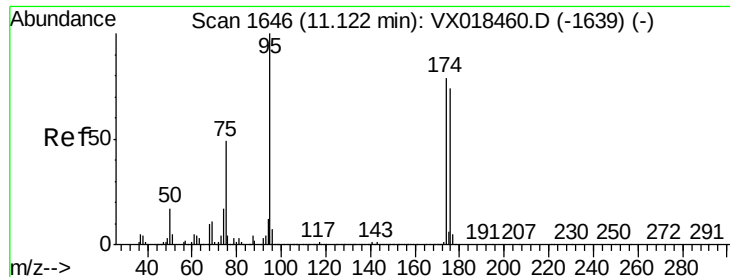


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



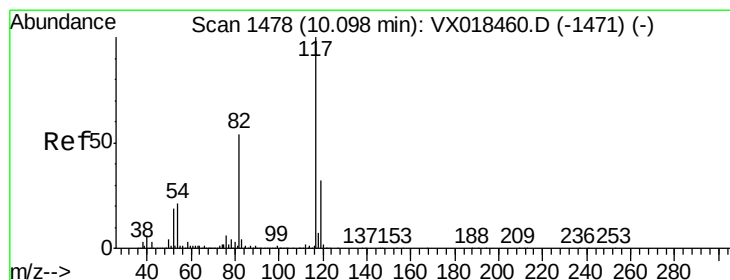
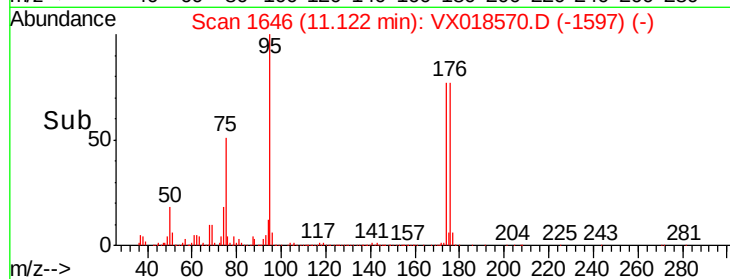
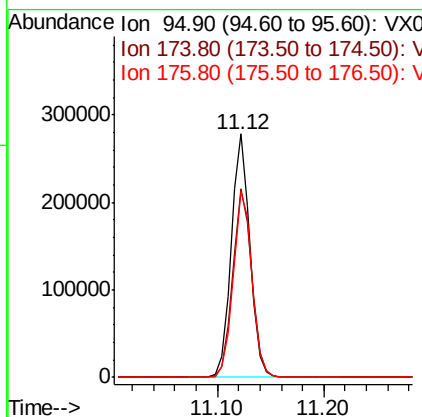
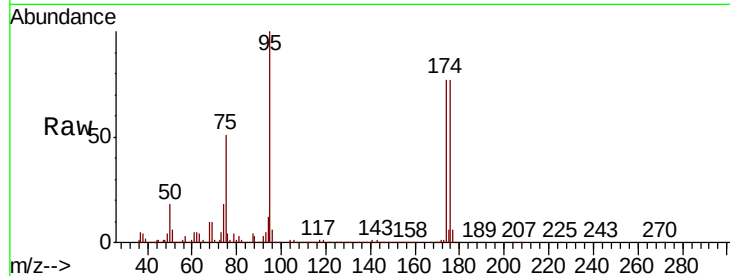
Time-->



#62
4-Bromofluorobenzene
Concen: 45.735 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

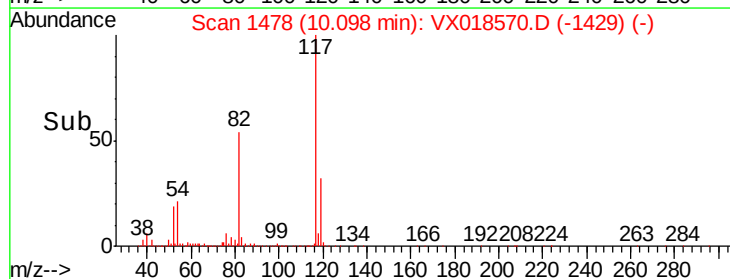
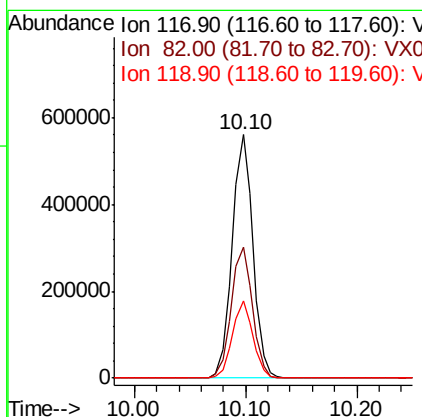
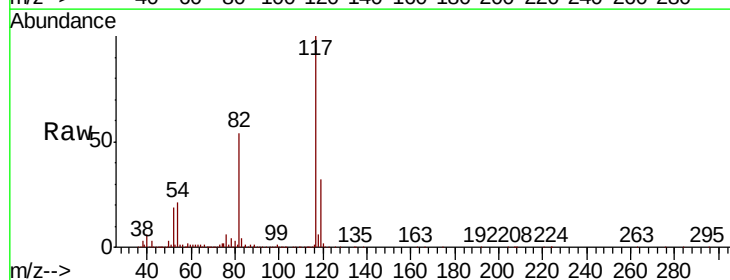
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20200918

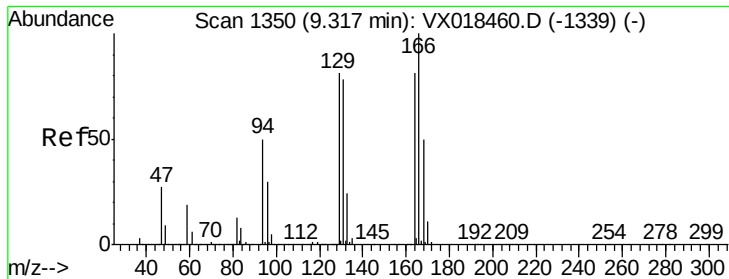
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	161.4
176	76.8	0.0	151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	31.7	25.9	38.9

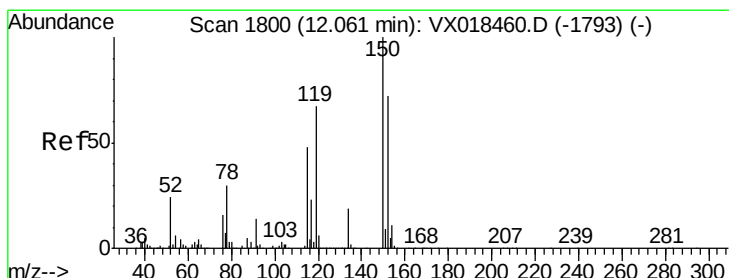
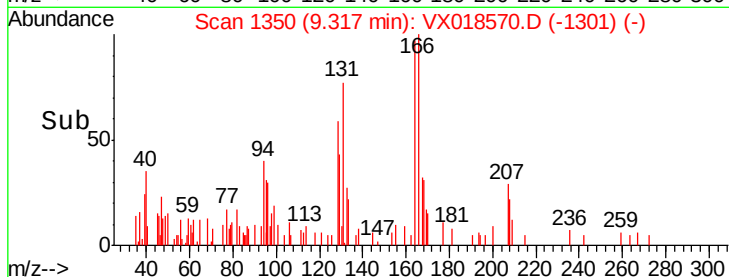
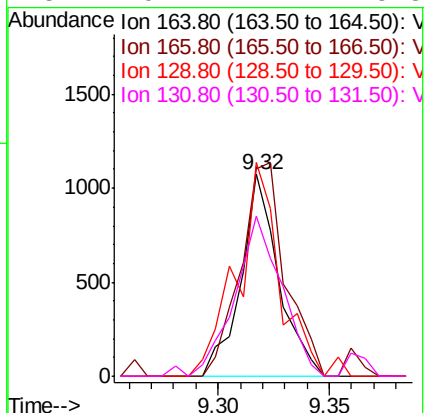
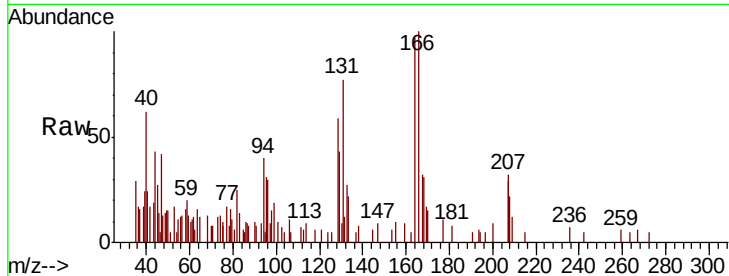




#64
Tetrachloroethene
Concen: 0.222 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

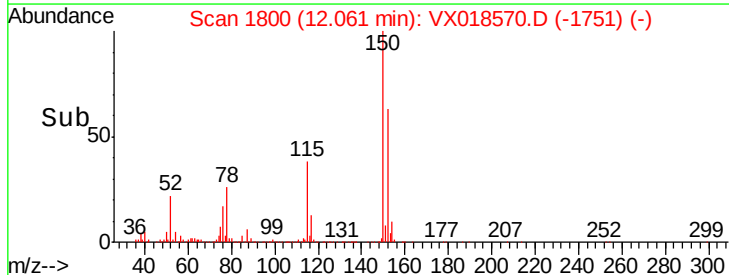
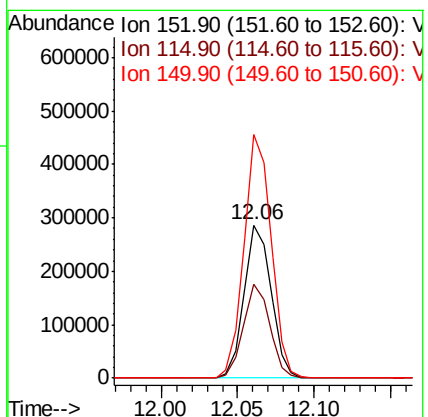
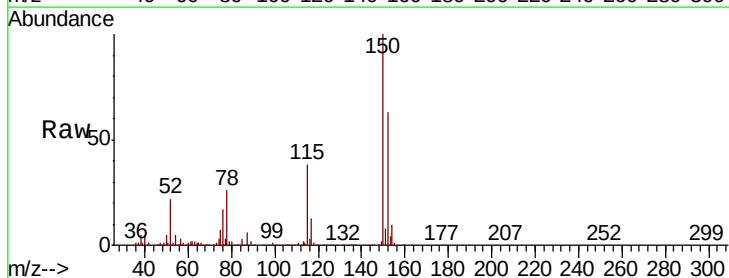
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20200918

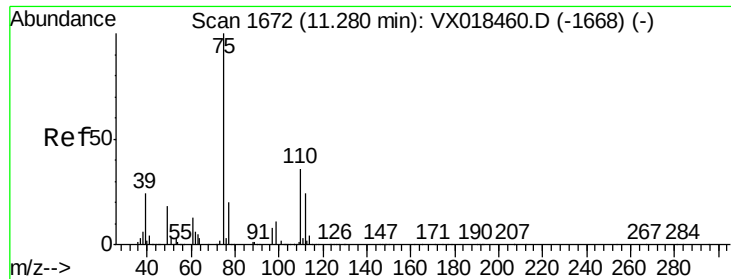
Tot Ion:	164	Resp:	1266
Ion	Ratio	Lower	Upper
164	100		
166	102.9	99.3	148.9
129	105.5	80.7	121.1
131	79.4	77.2	115.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018570.D
Acq: 24 Sep 2020 14:24

Tgt Ion:	152	Resp:	354572
Ion	Ratio	Lower	Upper
152	100		
115	60.0	41.8	125.4
150	158.6	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 24.099 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

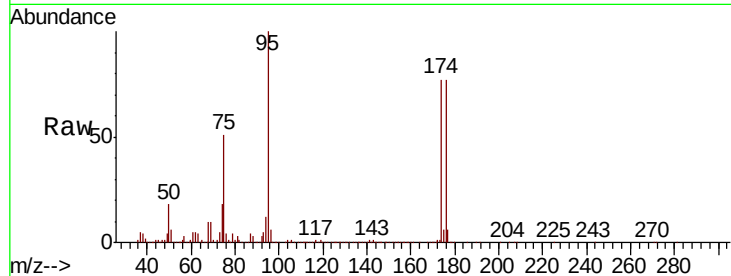
RE132D6-20200918

Tot Ion: 75 Resp: 179567

Ion Ratio Lower Upper

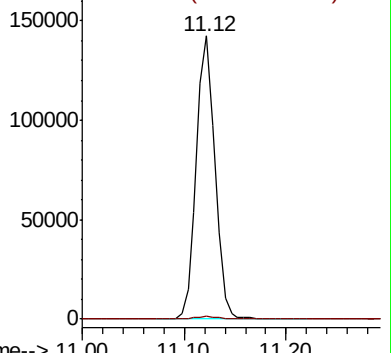
75 100

77 1.2 20.9 62.7#

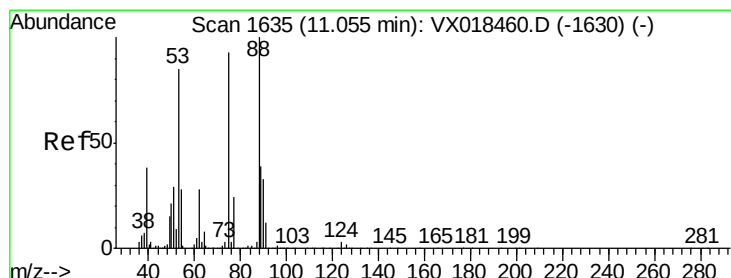
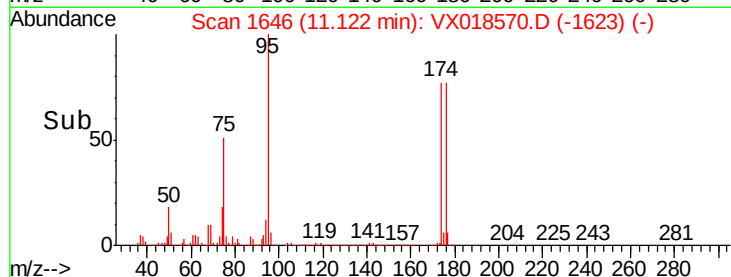


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.754 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018570.D

Acq: 24 Sep 2020 14:24

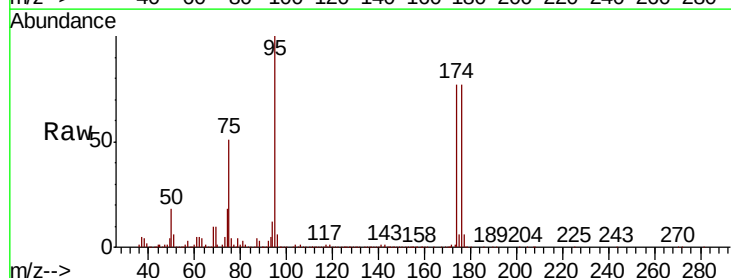
Tgt Ion: 75 Resp: 179567

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

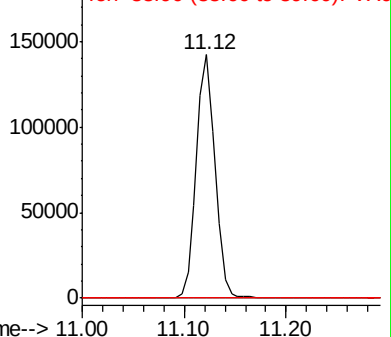
89 0.1 36.2 54.4#



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



Time--> 11.00 11.10 11.20

