

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018565.D
 Acq On : 24 Sep 2020 12:32
 Operator : JC/SP
 Sample : L4118-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20200918

Quant Time: Sep 25 01:04:47 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	5.63	168	470003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	740633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	732455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	364974	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	329125	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.47	113	258622	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.70	98	911047	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.12	95	337667	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

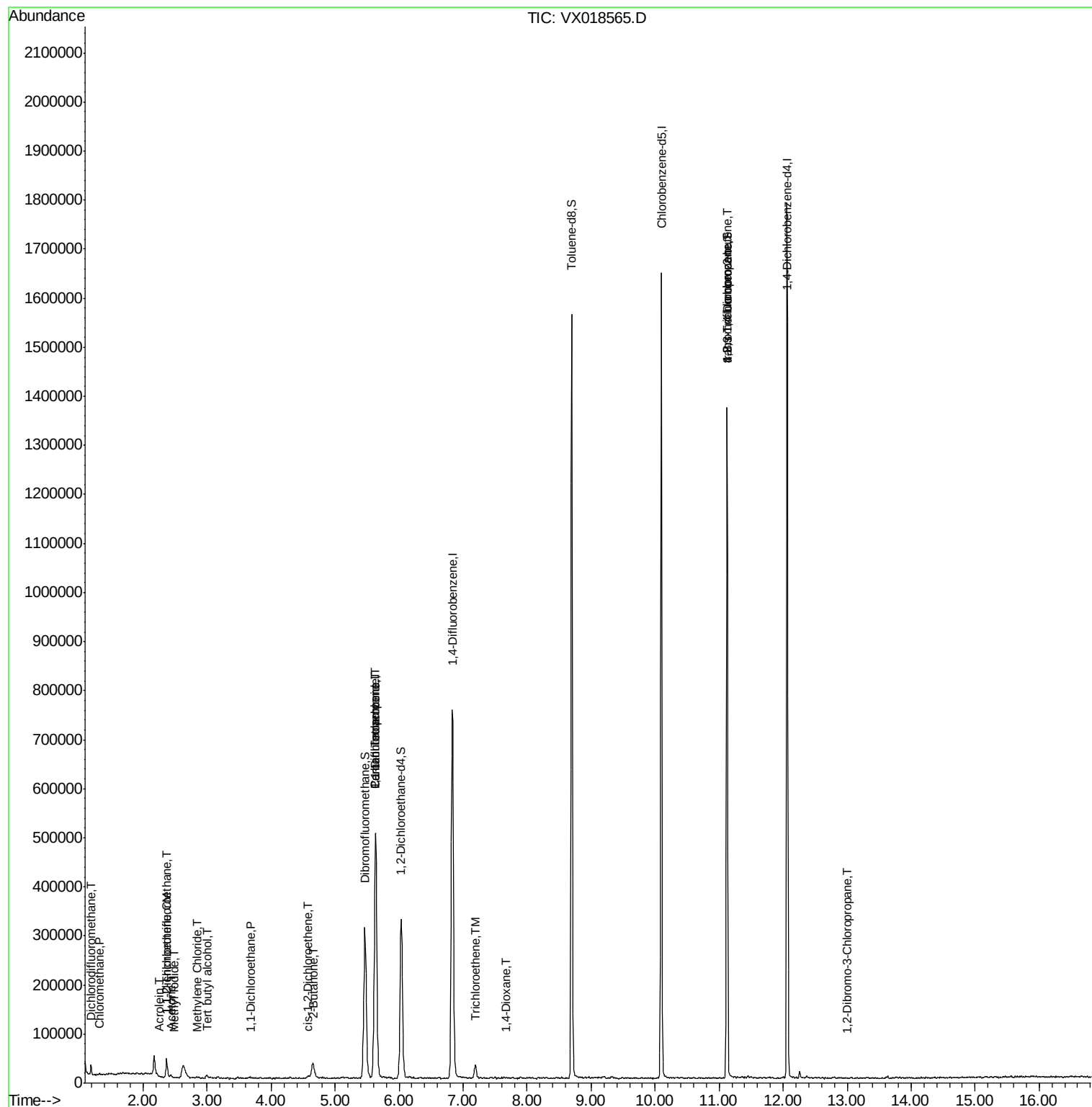
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	7595	1.704	ug/l	95
3) Chloromethane	1.31	50	1684	0.323	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	13374	2.961	ug/l	97
10) Methyl Iodide	2.50	142	716	5.030	ug/l #	66
11) Tert butyl alcohol	3.00	59	3157	2.729	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	1555	0.342	ug/l #	58
13) Acrolein	2.25	56	198	0.270	ug/l #	30
16) Acetone	2.43	43	7897	3.106	ug/l	95
20) Methylene Chloride	2.84	84	1675	0.299	ug/l #	67
24) 1,1-Dichloroethane	3.67	63	2449	0.256	ug/l #	78
25) 2-Butanone	4.65	43	2338	0.590	ug/l #	75
27) cis-1,2-Dichloroethene	4.58	96	1945	0.328	ug/l	69
36) 1,1-Dichloropropene	5.64	75	36133	5.026	ug/l #	53
38) Carbon Tetrachloride	5.64	117	47267	5.937	ug/l #	19
44) Trichloroethene	7.19	130	10195	1.709	ug/l	87
49) 1,4-Dioxane	7.68	88	61	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	176057	22.955	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	176057	58.822	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.00	75	472	0.241	ug/l #	4

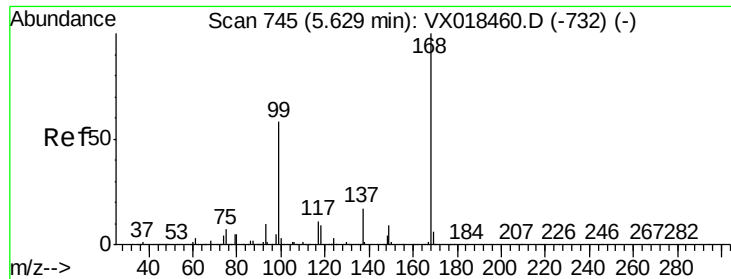
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
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: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

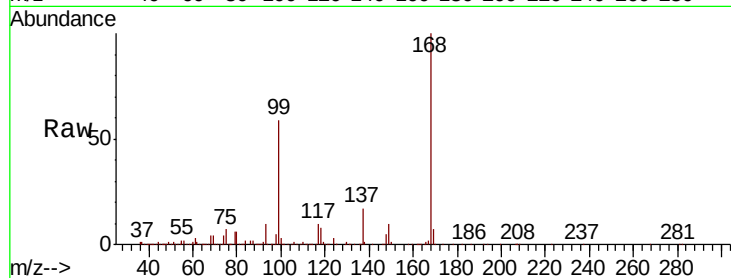
RE132D2-20200918

Tot Ion:168 Resp: 470003

Ion Ratio Lower Upper

168 100

99 59.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

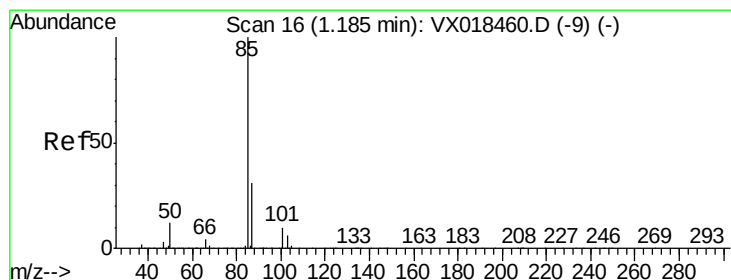
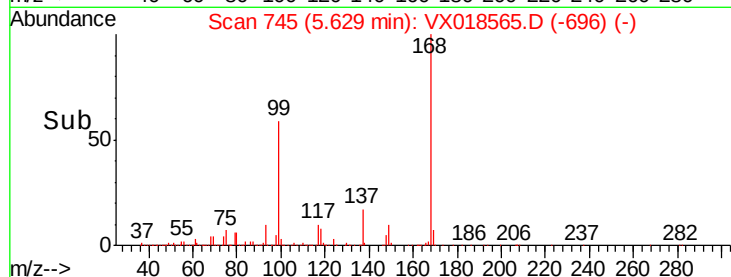
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.704 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018565.D

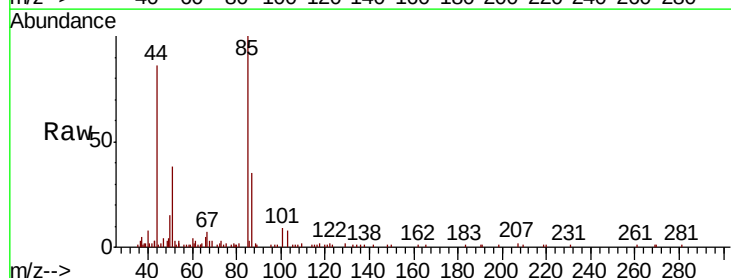
Acq: 24 Sep 2020 12:32

Tgt Ion: 85 Resp: 7595

Ion Ratio Lower Upper

85 100

87 34.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

10000

8000

6000

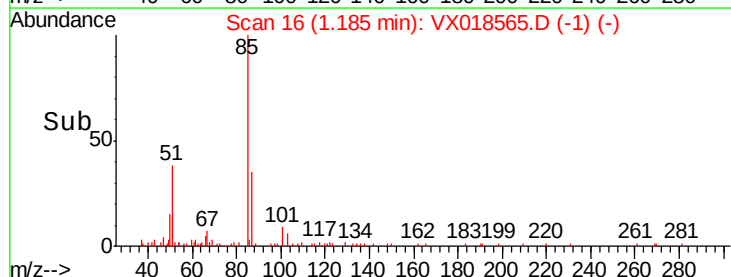
4000

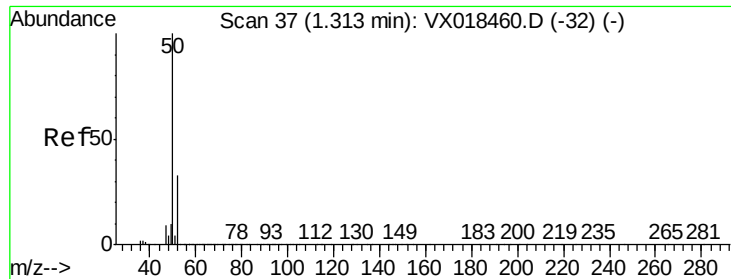
2000

0

Time-->

1.10 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.323 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

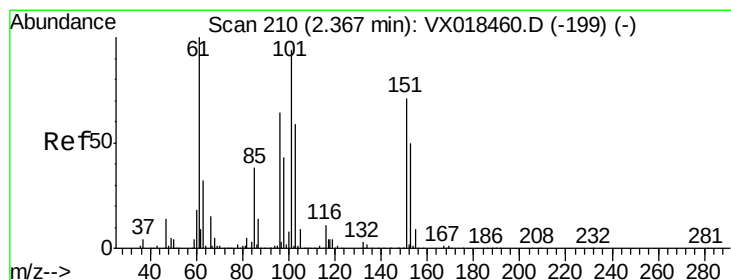
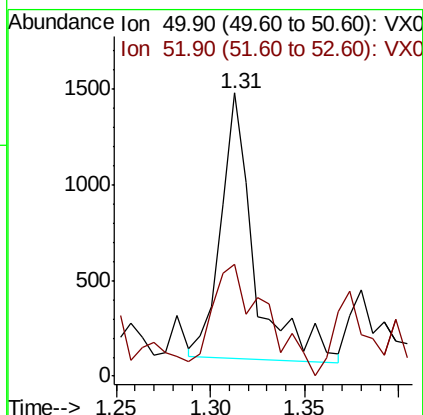
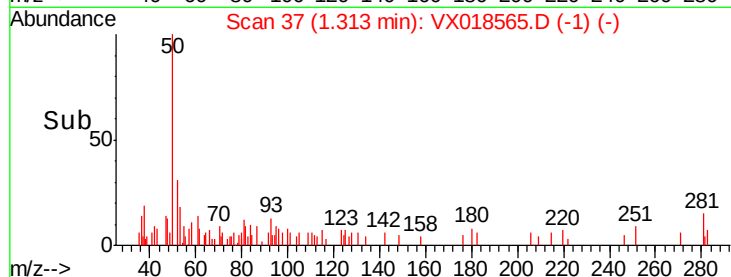
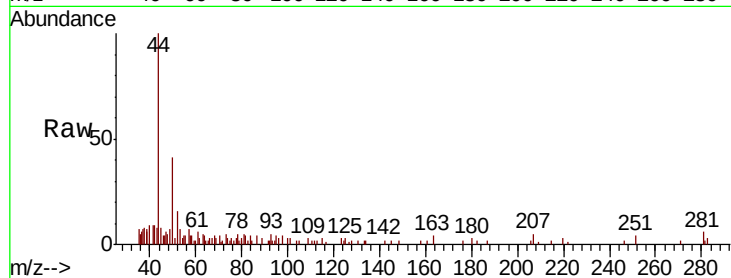
RE132D2-20200918

Tot Ion: 50 Resp: 1684

Ion Ratio Lower Upper

50 100

52 37.4 26.6 40.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.961 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

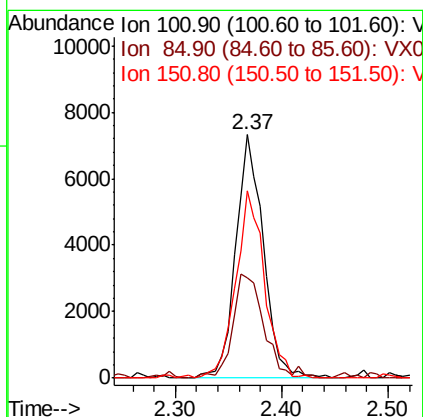
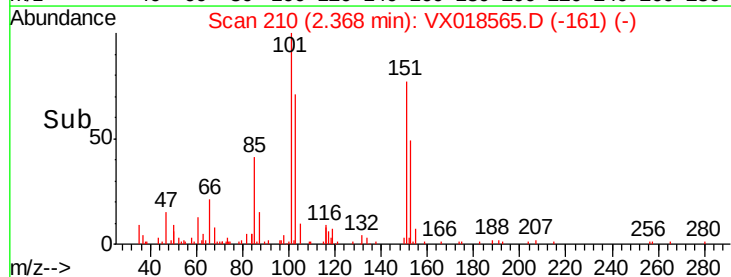
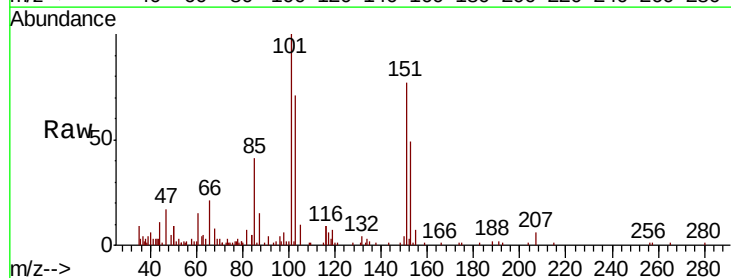
Tgt Ion: 101 Resp: 13374

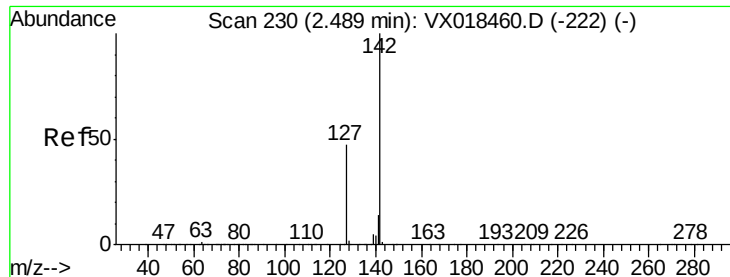
Ion Ratio Lower Upper

101 100

85 47.1 34.7 52.1

151 79.6 64.9 97.3

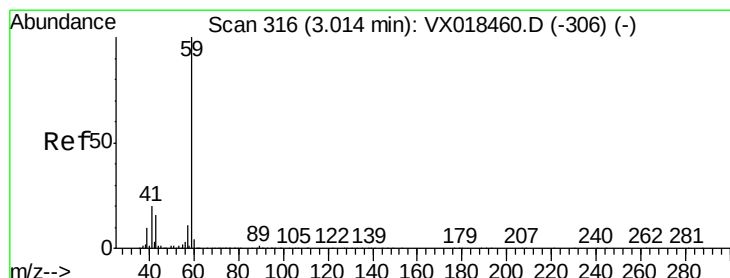
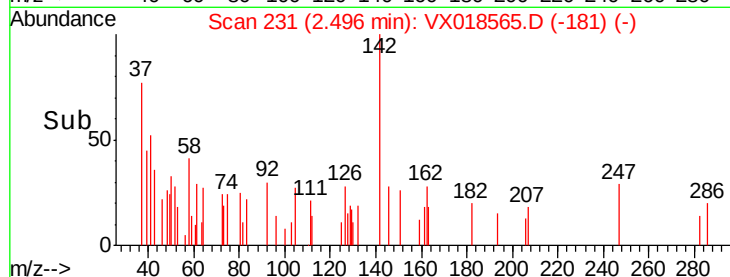
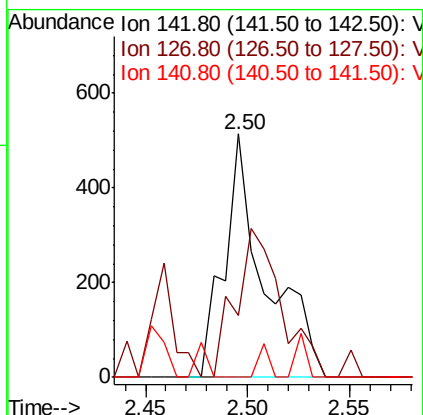
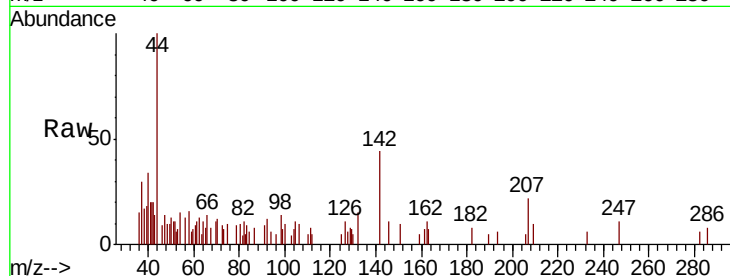




#10
Methyl Iodide
Concen: 5.030 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

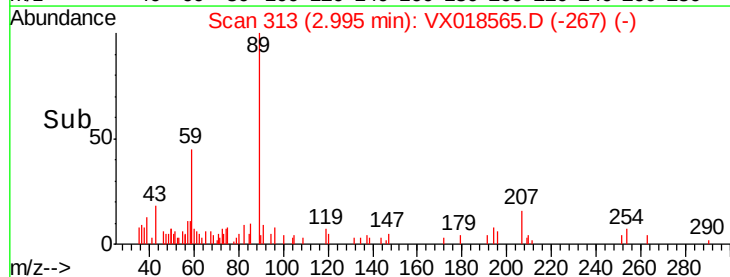
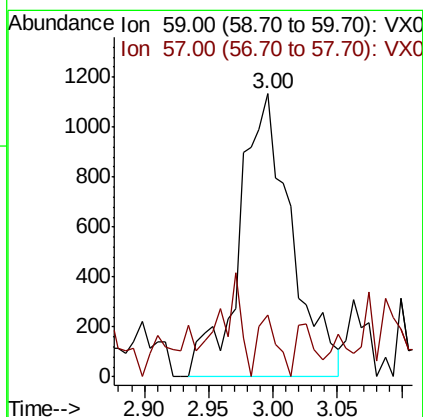
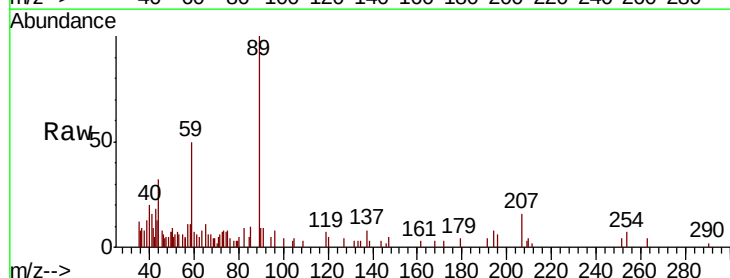
Instrument :
MSVOA_X
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RE132D2-20200918

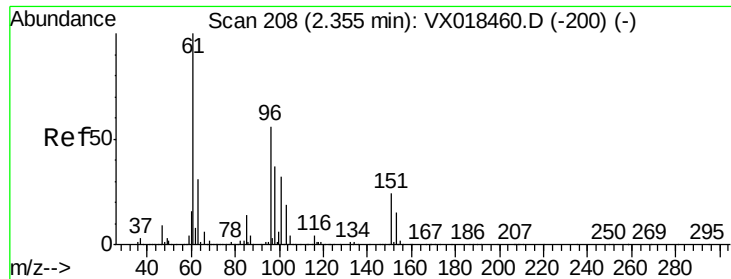
Tot Ion:142 Resp: 716
Ion Ratio Lower Upper
142 100
127 68.4 36.0 54.0#
141 3.6 11.9 17.9#



#11
Tert butyl alcohol
Concen: 2.729 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

Tgt Ion: 59 Resp: 3157
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.342 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20200918

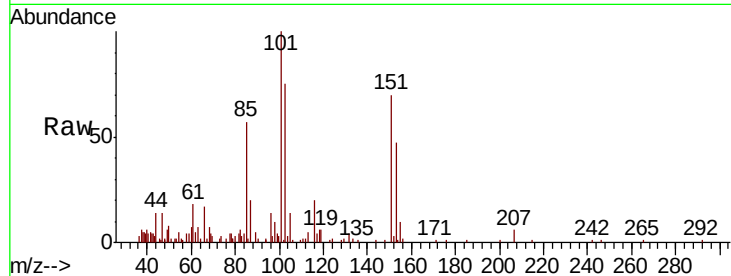
Tot Ion: 96 Resp: 1555

Ion Ratio Lower Upper

96 100

61 100.5 142.2 213.4#

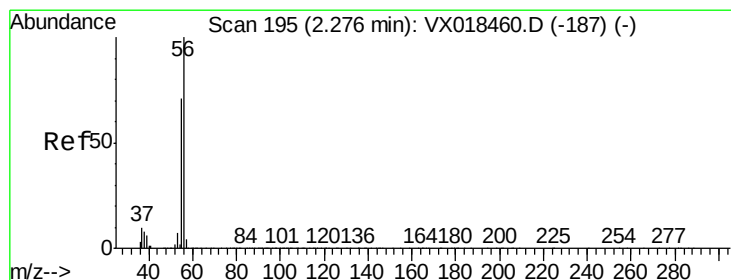
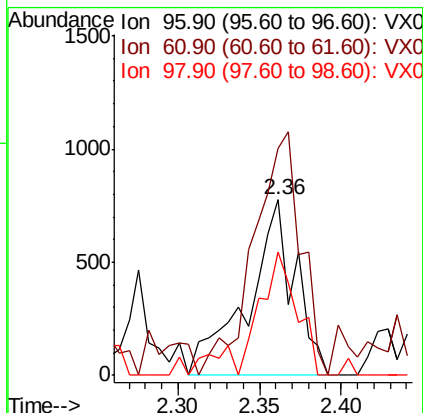
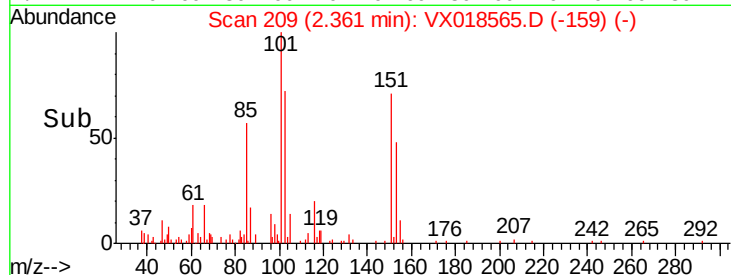
98 70.3 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.270 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX018565.D

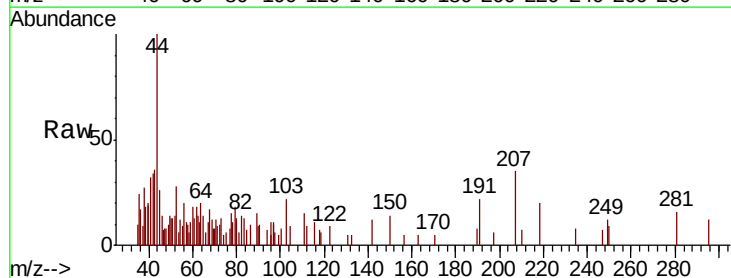
Acq: 24 Sep 2020 12:32

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

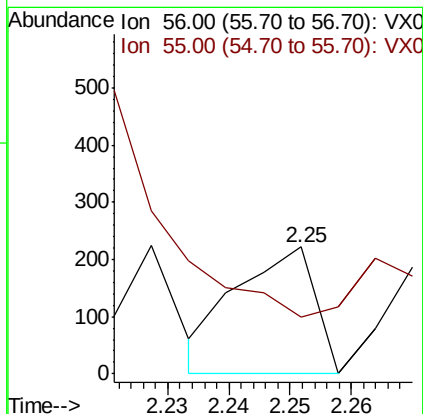
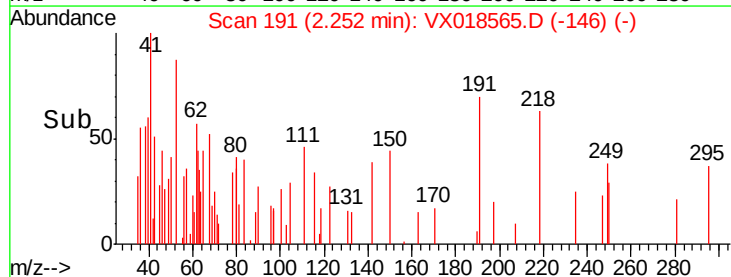
56 100

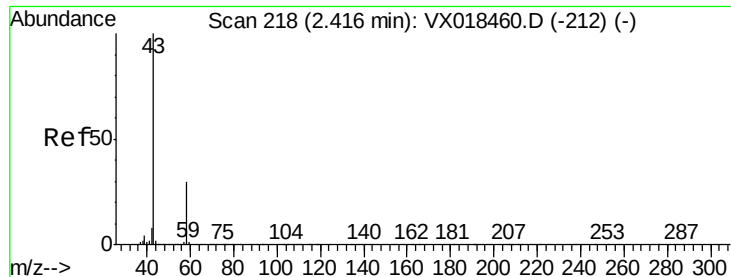
55 131.3 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

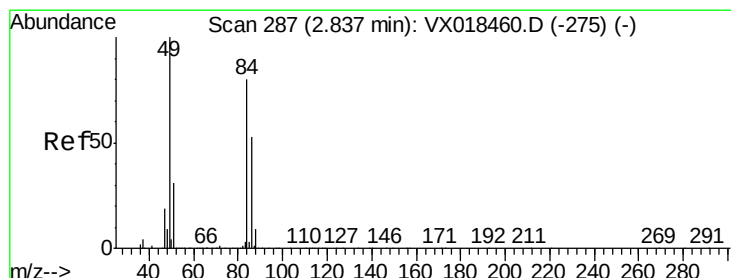
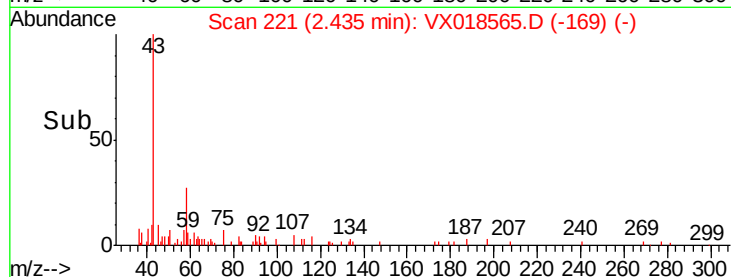
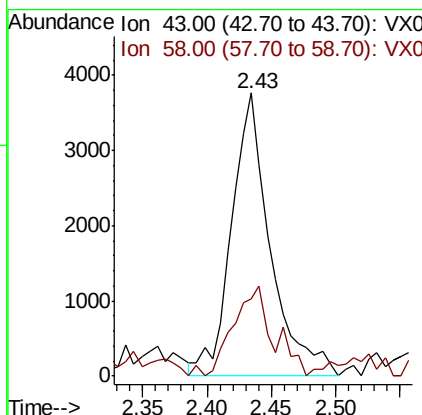
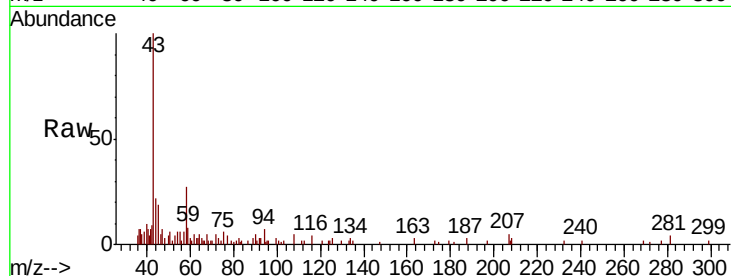




#16
Acetone
Concen: 3.106 ug/l
RT: 2.43 min Scan# 221
Delta R.T. 0.02 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

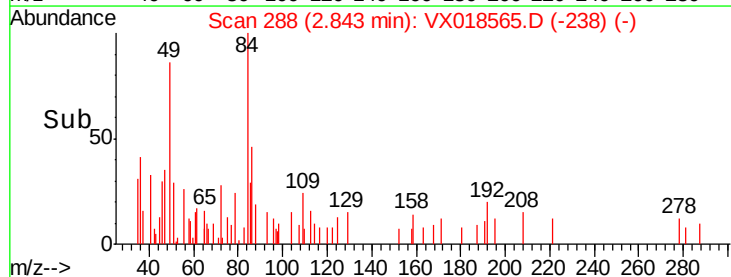
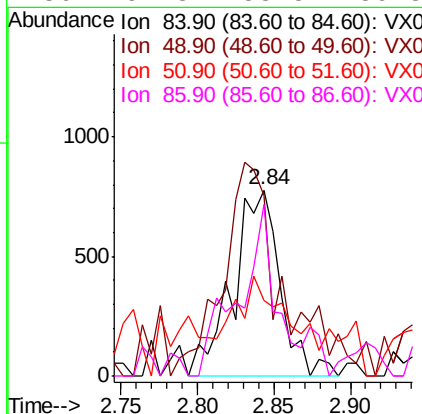
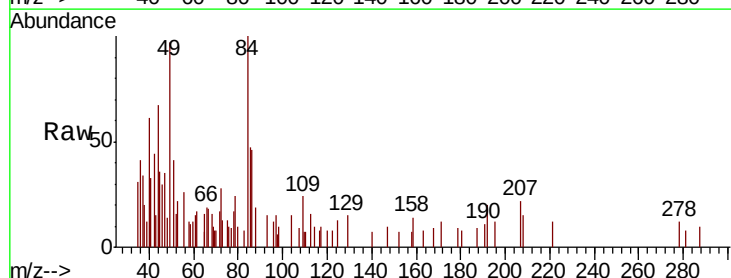
Instrument :
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RE132D2-20200918

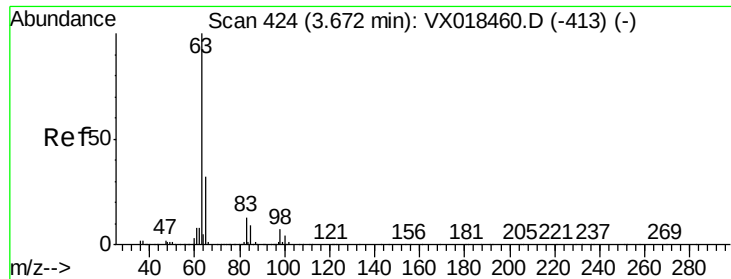
Tot Ion: 43 Resp: 7897
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

Tgt Ion: 84 Resp: 1675
Ion Ratio Lower Upper
84 100
49 84.3 100.6 151.0#
51 22.0 30.9 46.3#
86 92.3 53.5 80.3#





#24

1,1-Dichloroethane

Concen: 0.256 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20200918

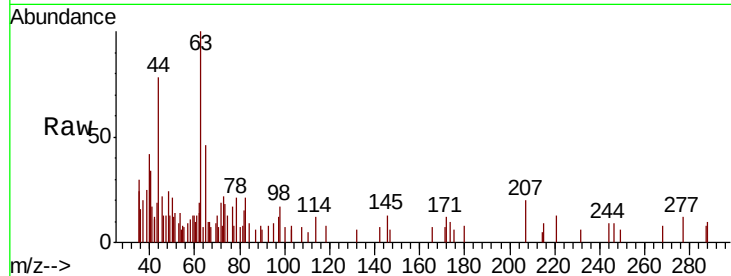
Tot Ion: 63 Resp: 2449

Ion Ratio Lower Upper

63 100

98 16.8 3.5 10.6#

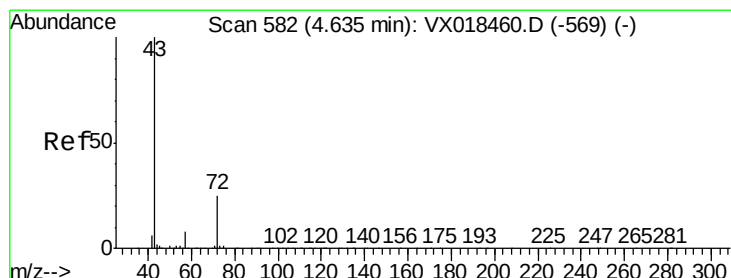
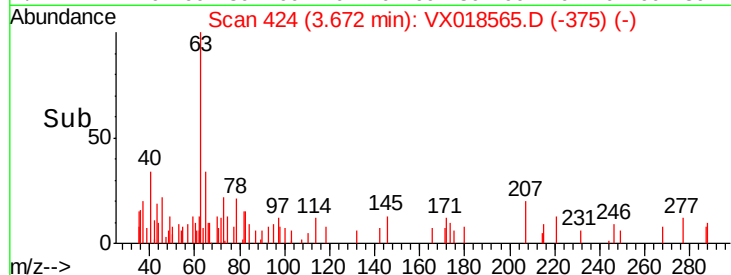
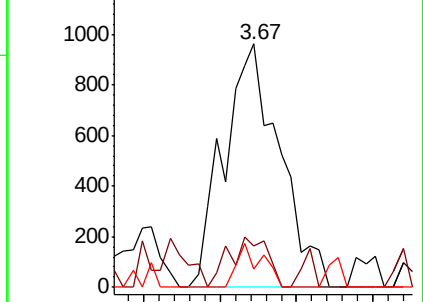
100 7.3 1.9 5.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.590 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018565.D

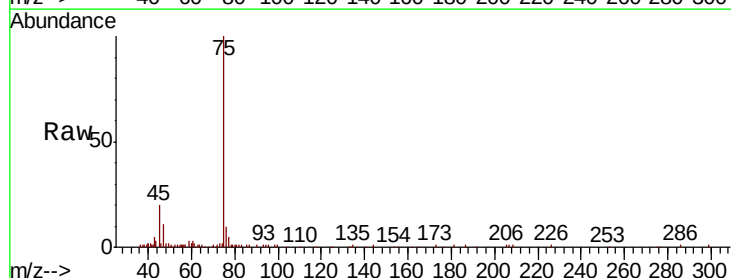
Acq: 24 Sep 2020 12:32

Tgt Ion: 43 Resp: 2338

Ion Ratio Lower Upper

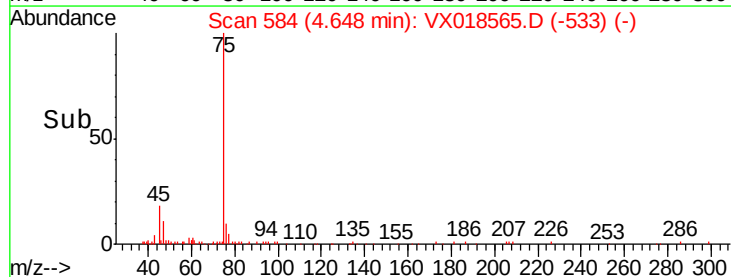
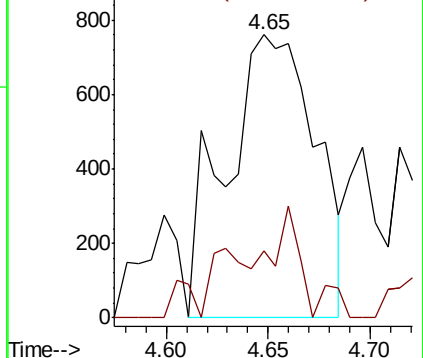
43 100

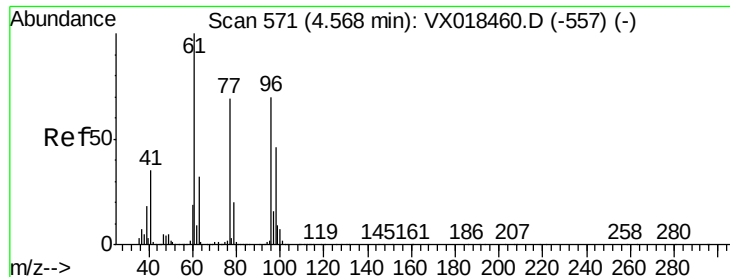
72 12.9 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



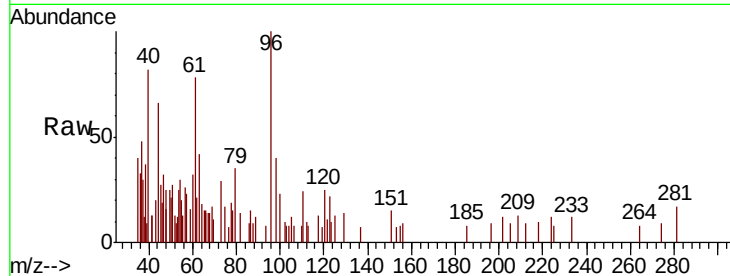


#27

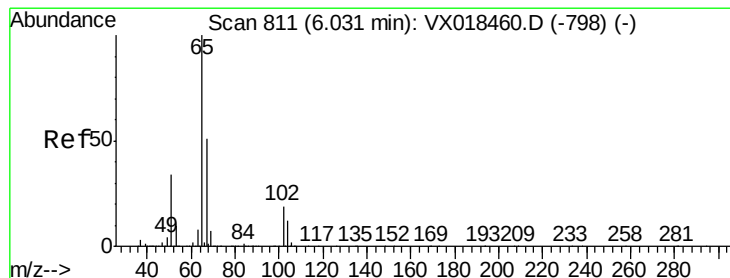
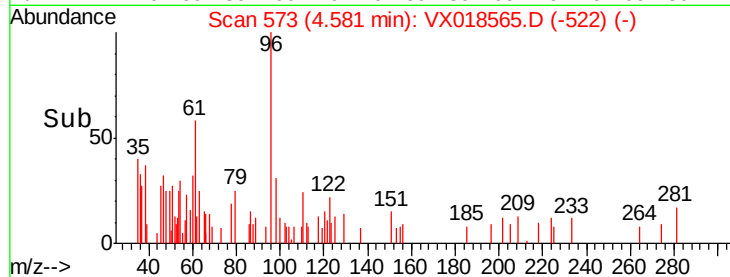
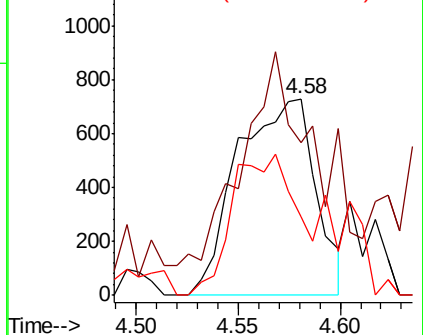
cis-1,2-Dichloroethene
 Concen: 0.328 ug/l
 RT: 4.58 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20200918

Tot Ion	Ratio	Lower	Upper
96	100		
61	98.1	0.0	300.0
98	59.2	0.0	130.4



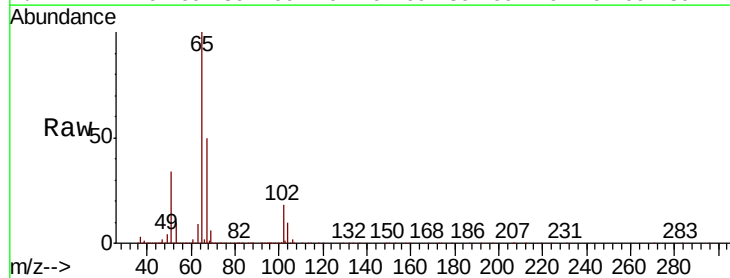
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



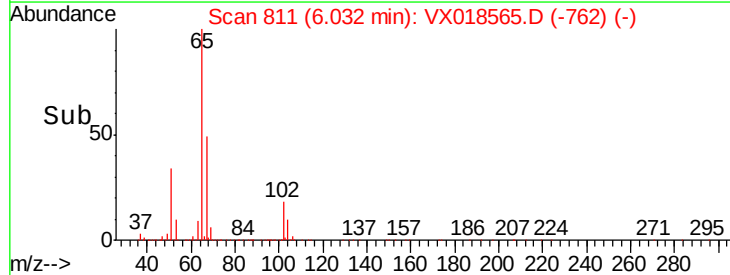
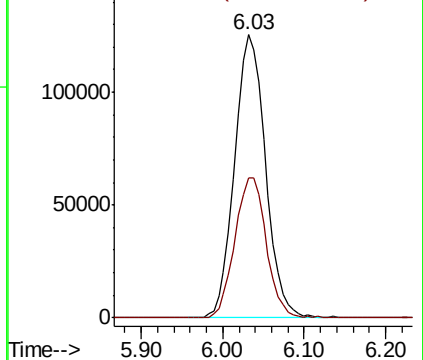
#33

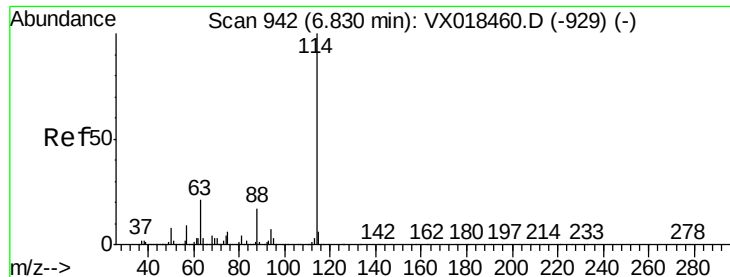
1,2-Dichloroethane-d4
 Concen: 49.501 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

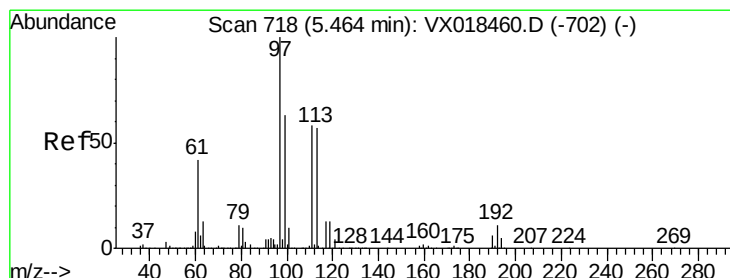
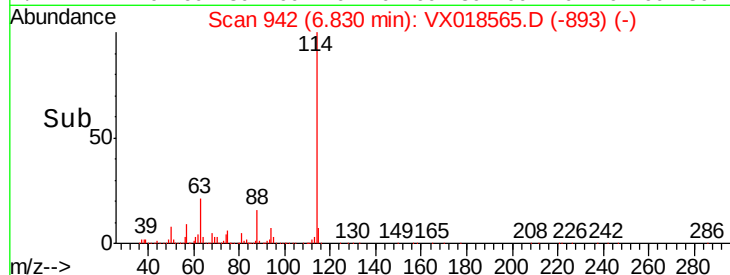
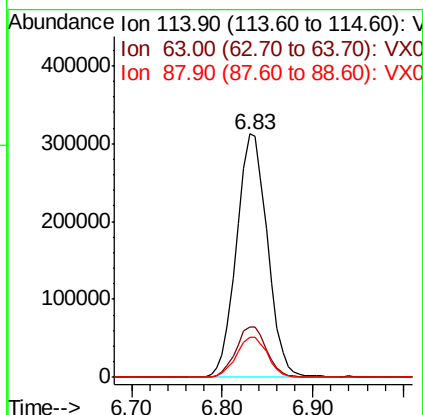
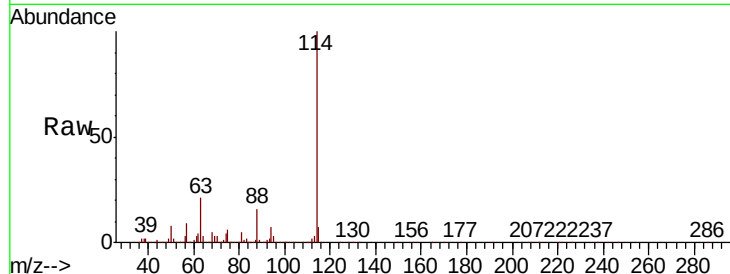




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

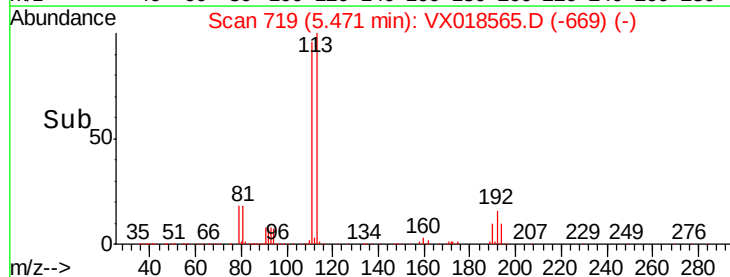
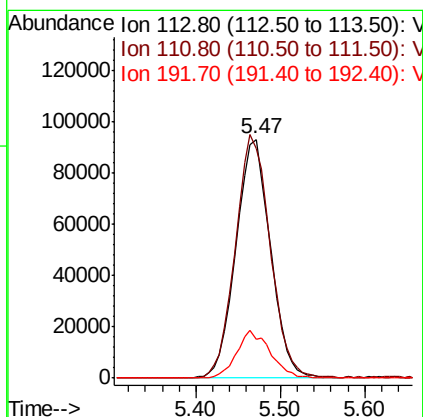
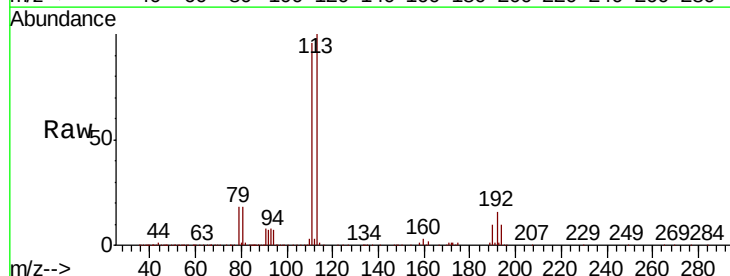
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20200918

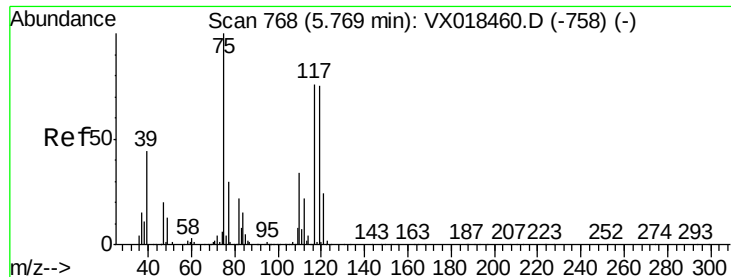
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.8
88	16.4	0.0	33.6



#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	19.3	16.6	24.8

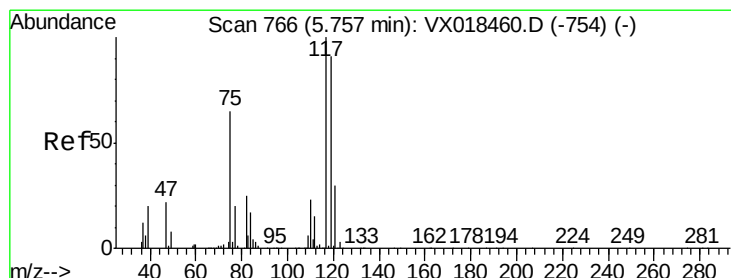
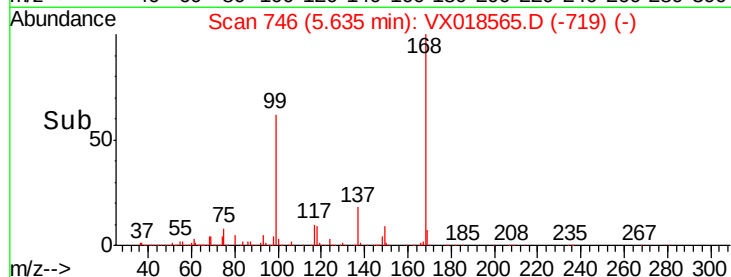
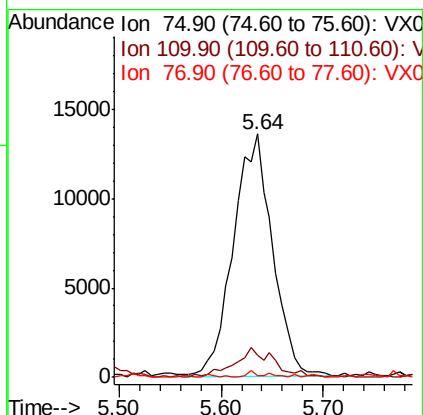
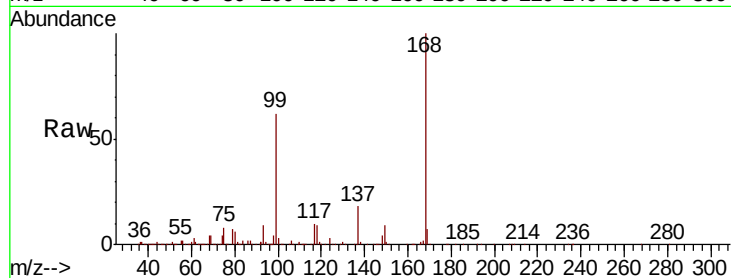




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

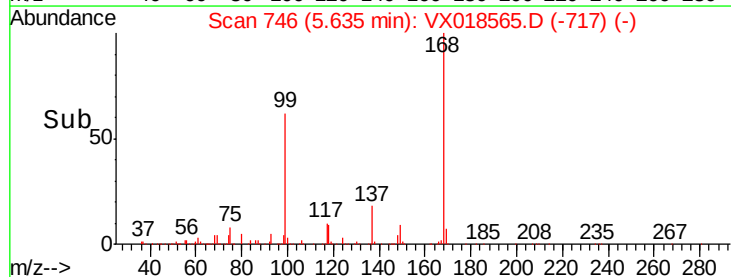
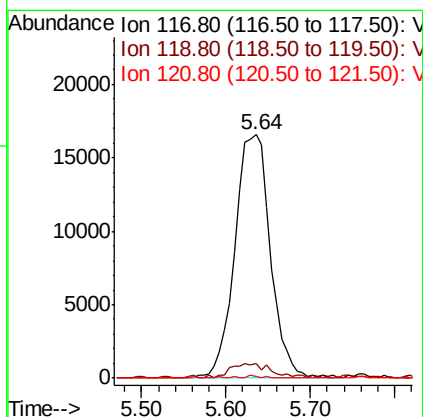
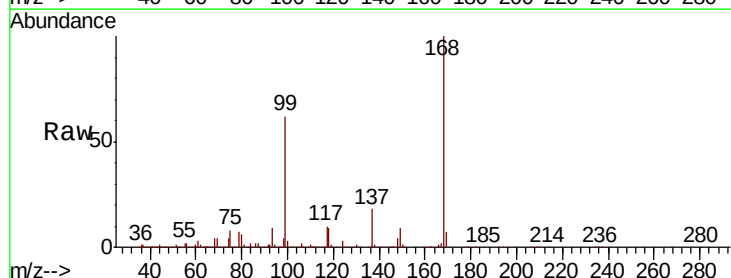
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20200918

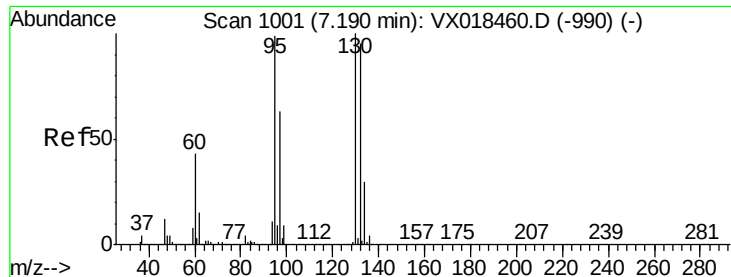
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.3	17.6	52.8#
77	0.8	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.937 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018565.D
 Acq: 24 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	72.3	108.5#
121	0.6	23.8	35.8#





#44

Trichloroethene

Concen: 1.709 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

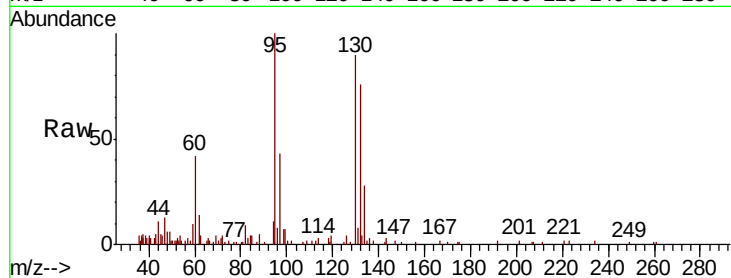
RE132D2-20200918

Tot Ion:130 Resp: 10195

Ion Ratio Lower Upper

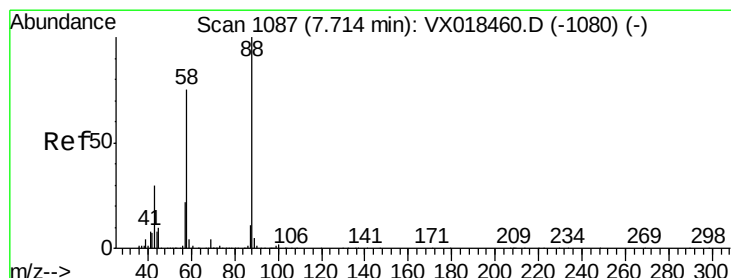
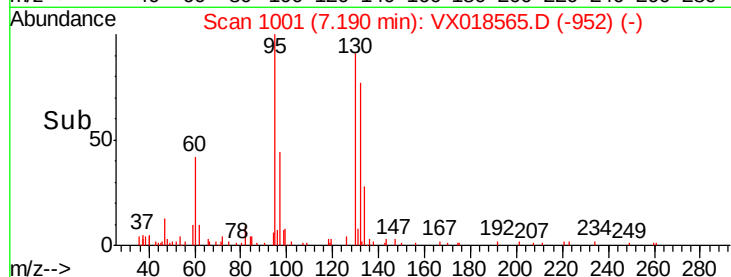
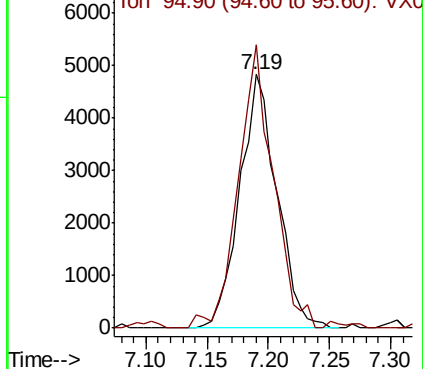
130 100

95 111.7 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: 0.595 ug/l

RT: 7.68 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

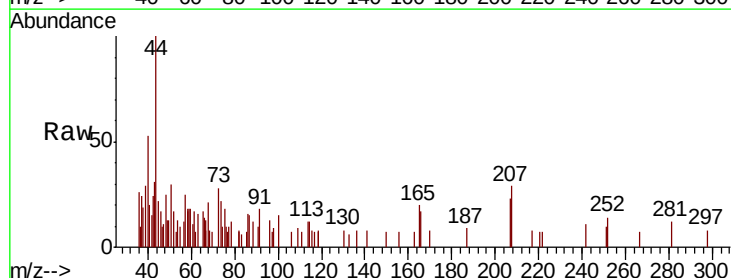
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 462.3 29.9 44.9#

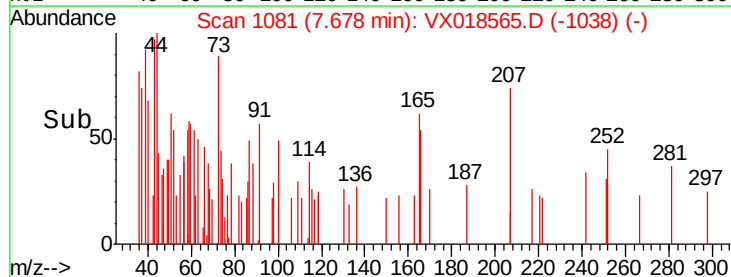
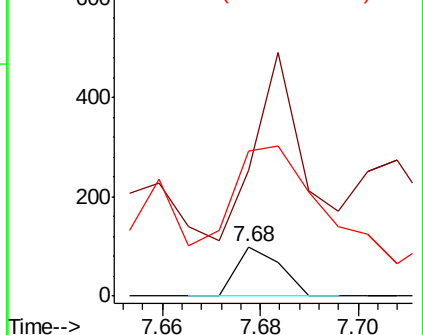
58 821.3 59.0 88.6#

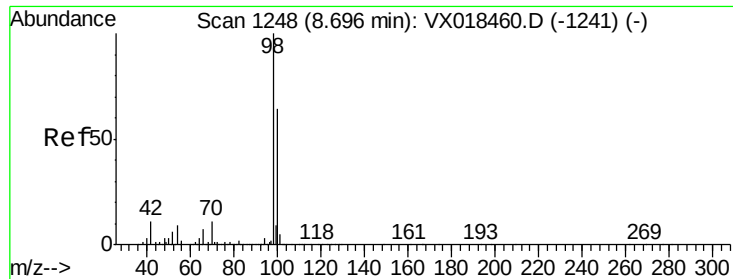


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.973 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

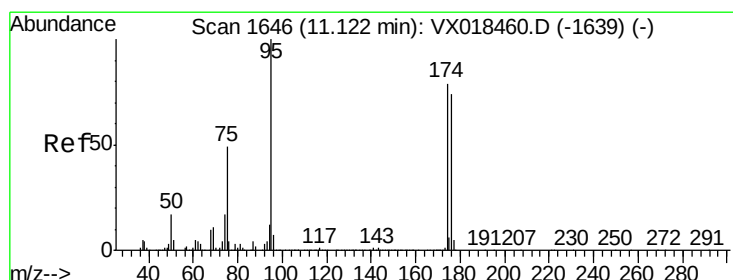
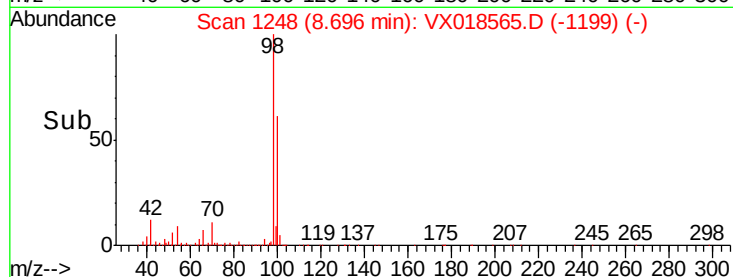
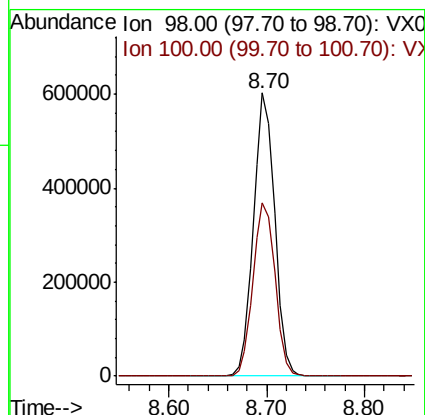
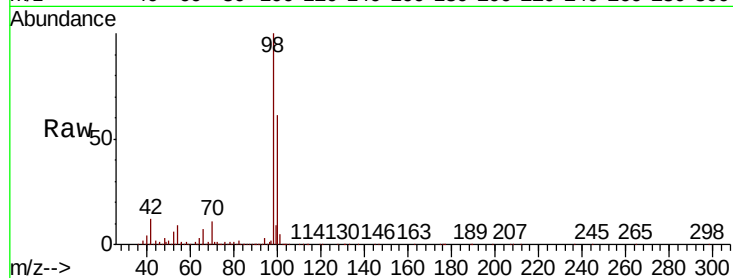
RE132D2-20200918

Tot Ion: 98 Resp: 911047

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 45.632 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

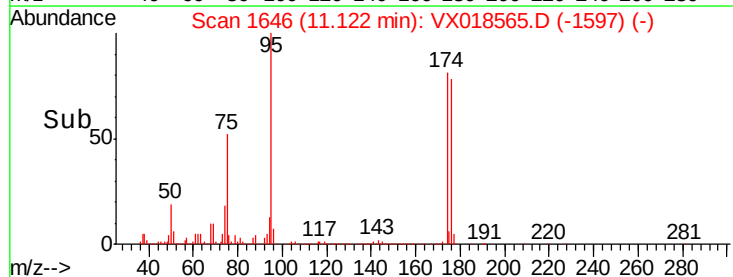
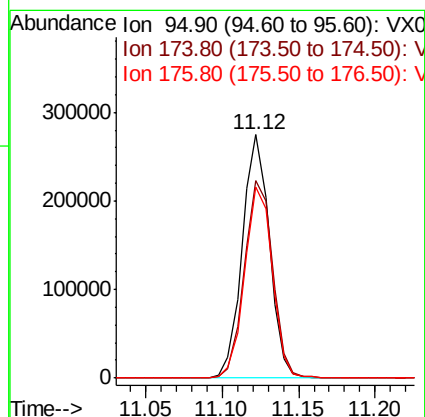
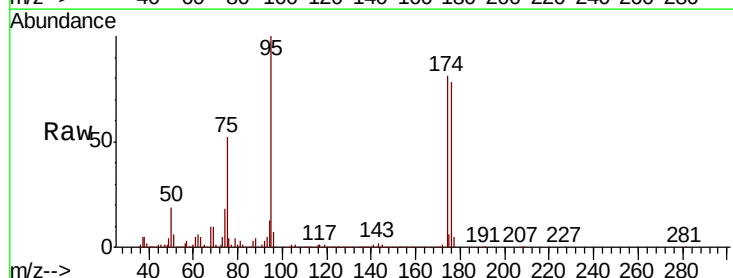
Tgt Ion: 95 Resp: 337667

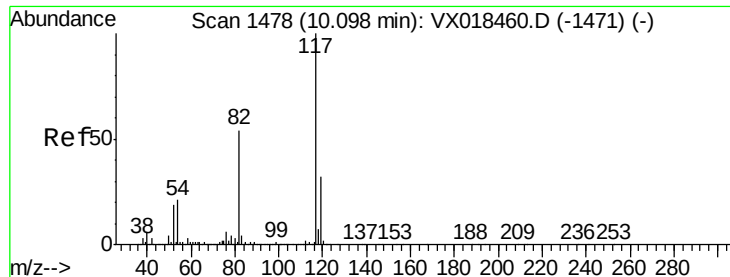
Ion Ratio Lower Upper

95 100

174 85.0 0.0 161.4

176 80.7 0.0 151.4

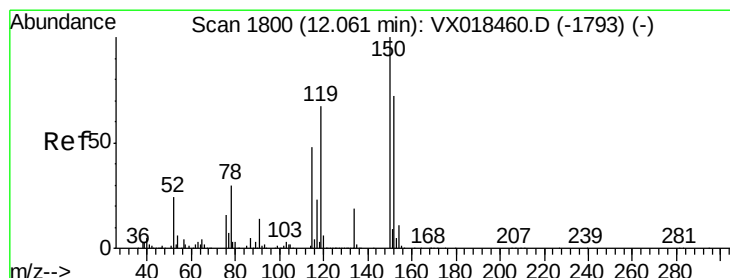
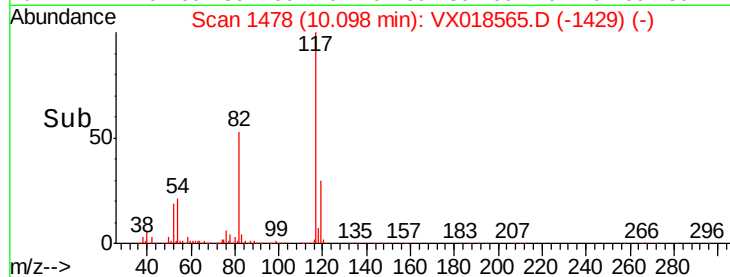
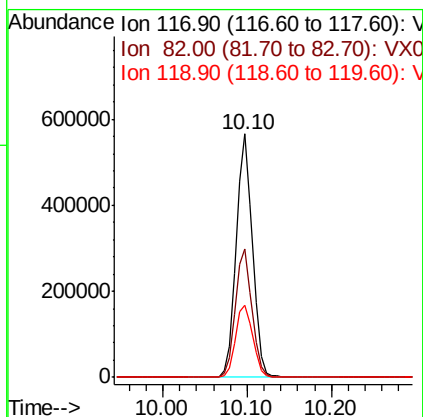
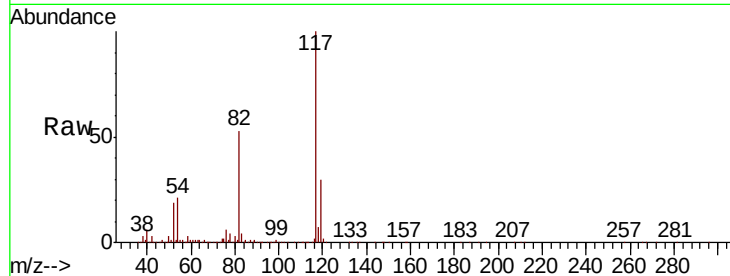




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

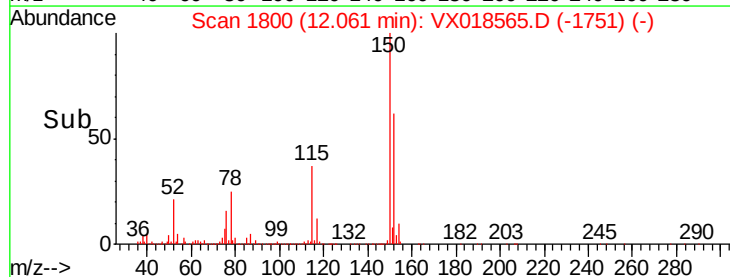
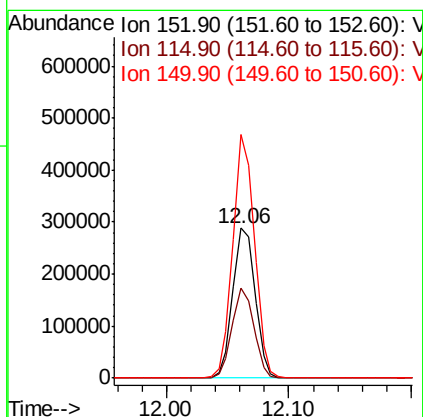
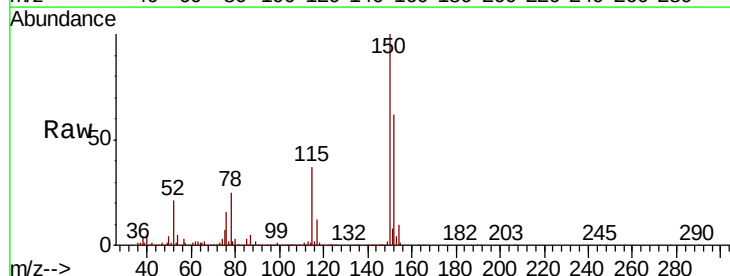
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20200918

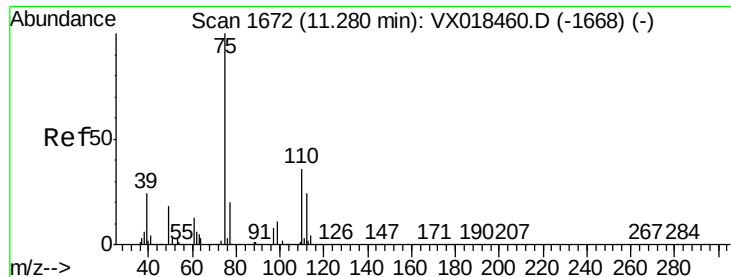
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	29.8	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018565.D
Acq: 24 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.8	125.4
150	156.2	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 22.955 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

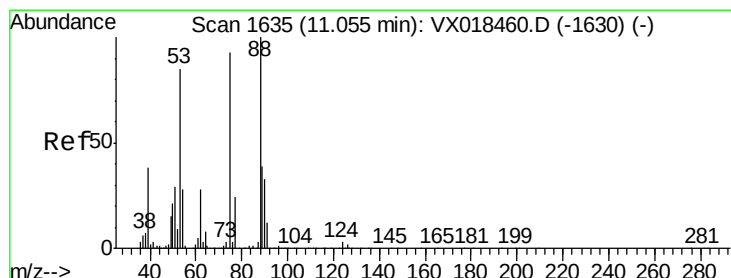
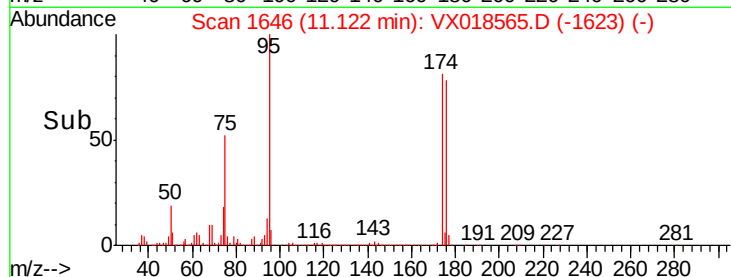
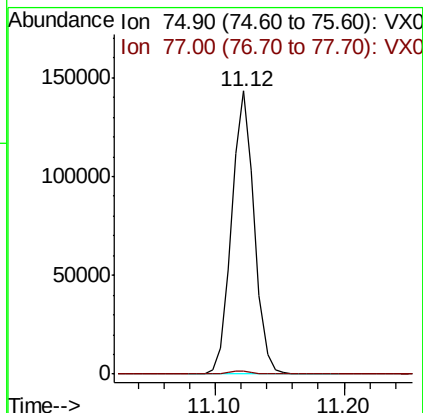
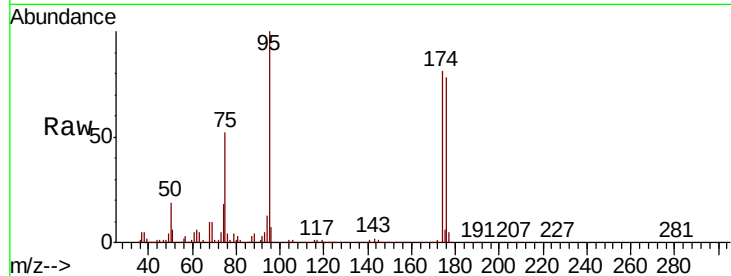
RE132D2-20200918

Tot Ion: 75 Resp: 176057

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.822 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

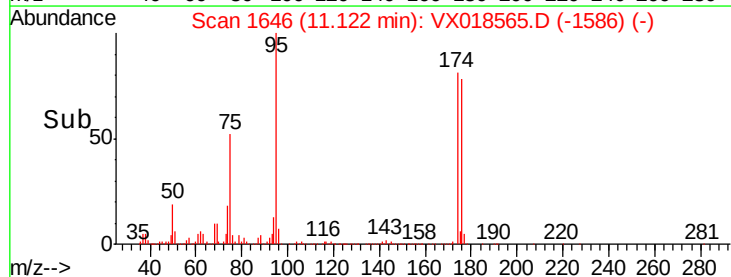
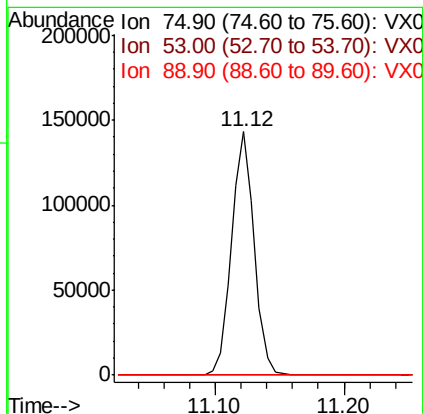
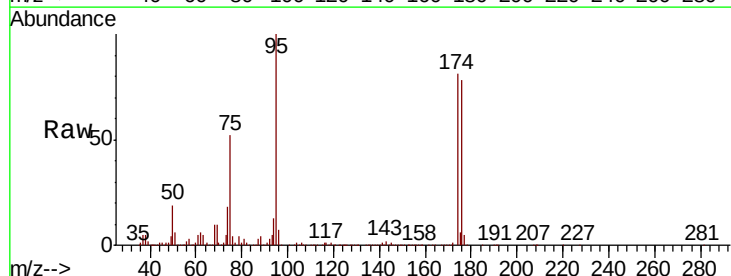
Tgt Ion: 75 Resp: 176057

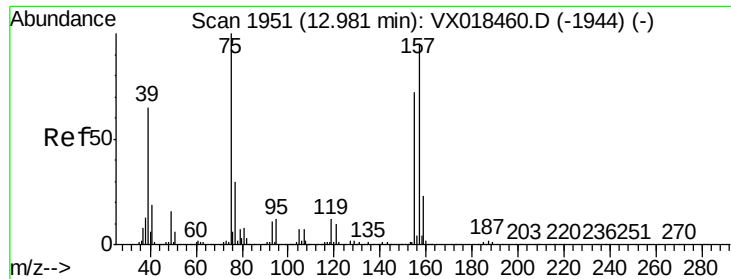
Ion Ratio Lower Upper

75 100

53 0.4 74.6 111.8#

89 0.0 36.2 54.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.241 ug/l

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX018565.D

Acq: 24 Sep 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20200918

Tot Ion: 75 Resp: 472

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.4#

157 0.0 51.1 153.3#

