

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092420\
 Data File : VX018567.D
 Acq On : 24 Sep 2020 13:17
 Operator : JC/SP
 Sample : L4118-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20200918

Quant Time: Sep 25 01:05:25 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

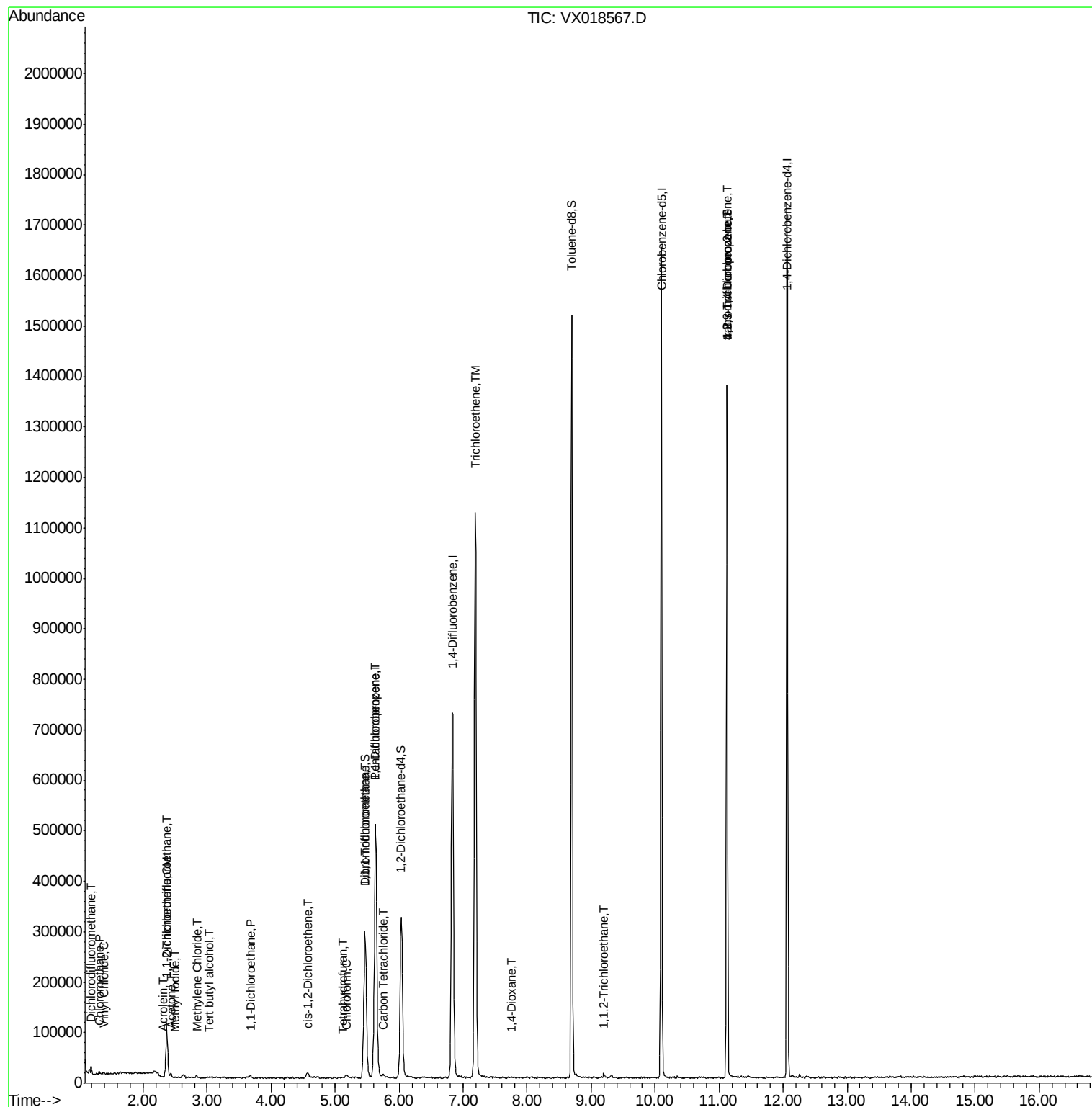
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	452887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	724846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	717760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	351406	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	323961	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.46	113	251682	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	8.70	98	902901	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.12	95	333069	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	6364	1.482	ug/l	93
3) Chloromethane	1.31	50	4198	0.835	ug/l	91
4) Vinyl Chloride	1.40	62	1260	0.237	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36277	8.337	ug/l	95
10) Methyl Iodide	2.50	142	579	5.011	ug/l #	88
11) Tert butyl alcohol	3.03	59	878	0.788	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	6995	1.595	ug/l	92
13) Acrolein	2.31	56	367	0.520	ug/l #	47
16) Acetone	2.43	43	7401	3.021	ug/l	92
20) Methylene Chloride	2.84	84	2253	0.417	ug/l #	92
24) 1,1-Dichloroethane	3.67	63	5680	0.616	ug/l #	92
27) cis-1,2-Dichloroethene	4.57	96	7453	1.305	ug/l	82
29) Tetrahydrofuran	5.11	42	872	0.363	ug/l #	71
30) Chloroform	5.18	83	7754	0.829	ug/l #	74
32) 1,1,1-Trichloroethane	5.46	97	3036	0.346	ug/l #	43
36) 1,1-Dichloropropene	5.63	75	34583	4.916	ug/l #	52
38) Carbon Tetrachloride	5.75	117	4450	0.571	ug/l #	72
44) Trichloroethene	7.19	130	436169	74.728	ug/l	100
49) 1,4-Dioxane	7.76	88	1553	15.489	ug/l #	54
55) 1,1,2-Trichloroethane	9.20	97	2079	0.395	ug/l #	80
76) 1,2,3-Trichloropropane	11.12	75	175810	23.808	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175810	61.007	ug/l #	12

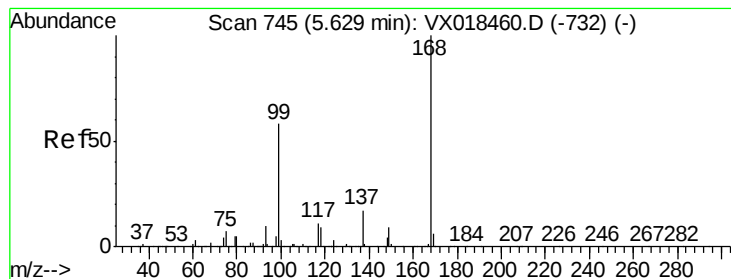
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

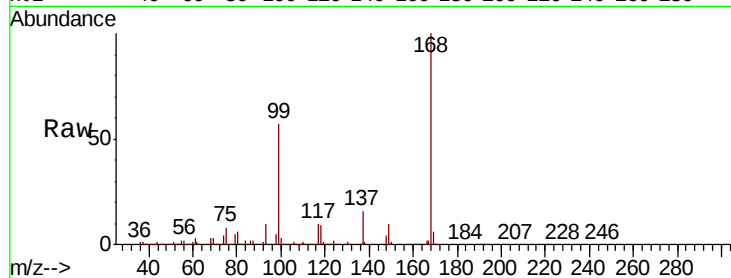
RE132D5-20200918

Tot Ion:168 Resp: 452887

Ion Ratio Lower Upper

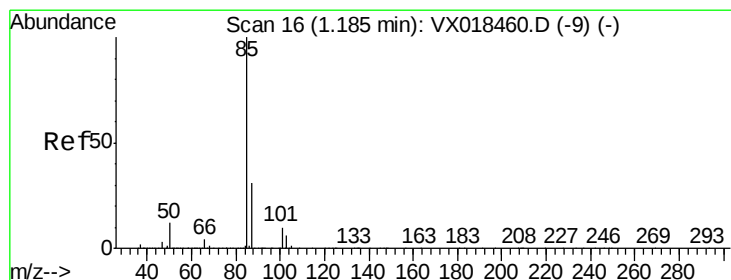
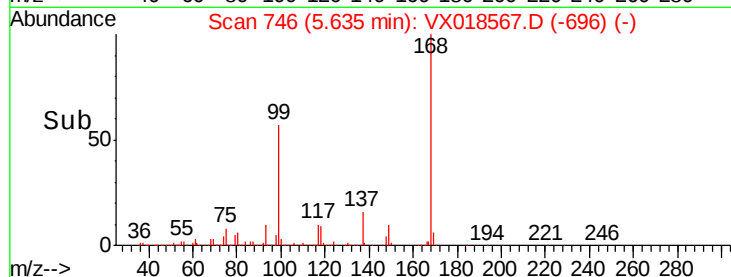
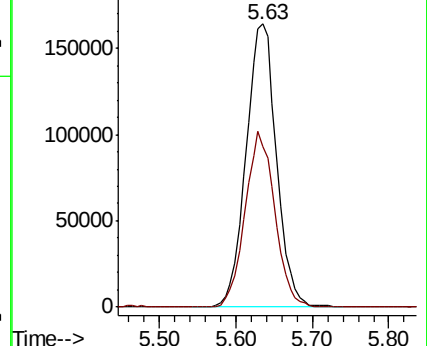
168 100

99 56.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.482 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018567.D

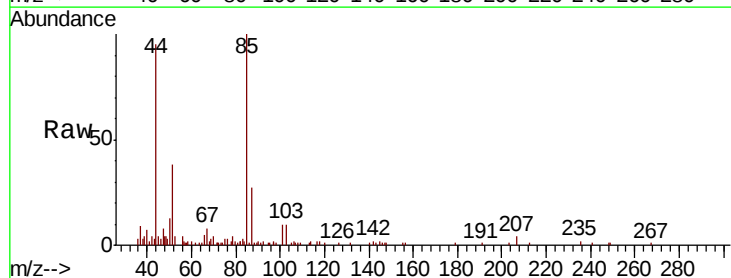
Acq: 24 Sep 2020 13:17

Tgt Ion: 85 Resp: 6364

Ion Ratio Lower Upper

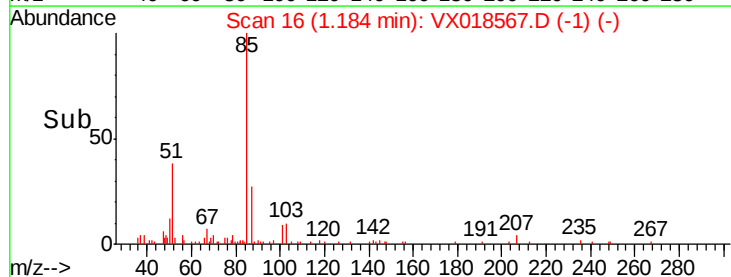
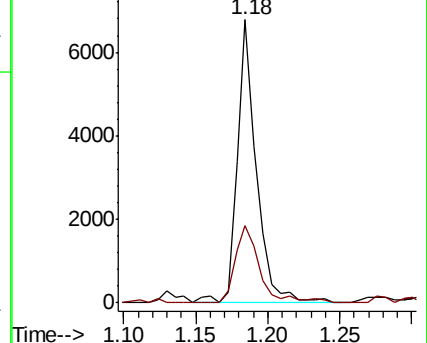
85 100

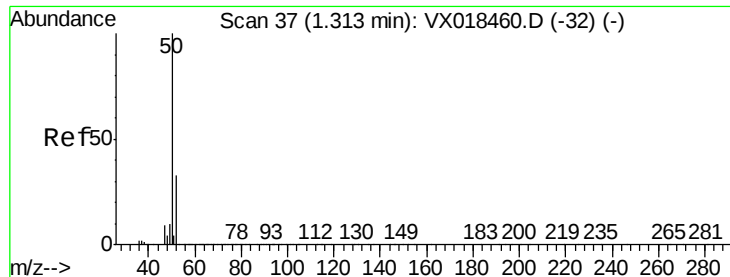
87 27.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.835 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

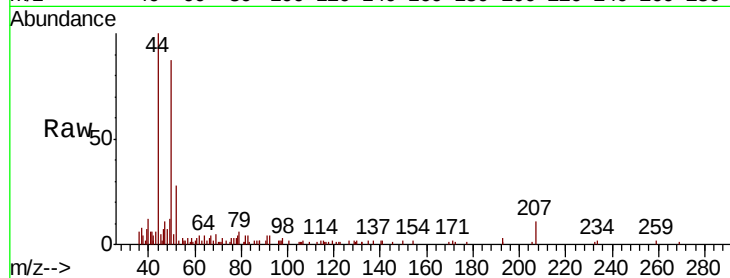
RE132D5-20200918

Tot Ion: 50 Resp: 4198

Ion Ratio Lower Upper

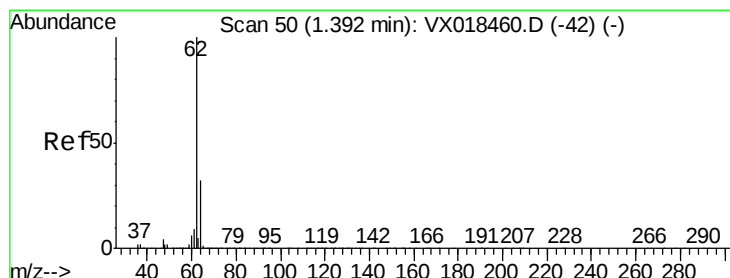
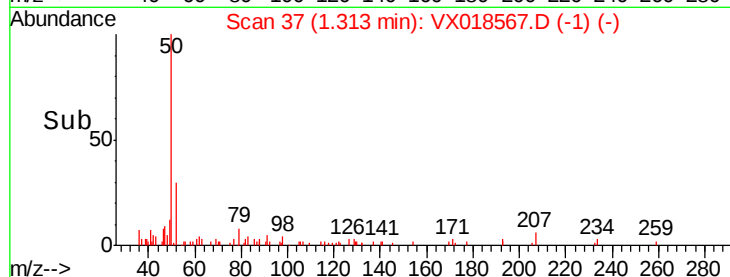
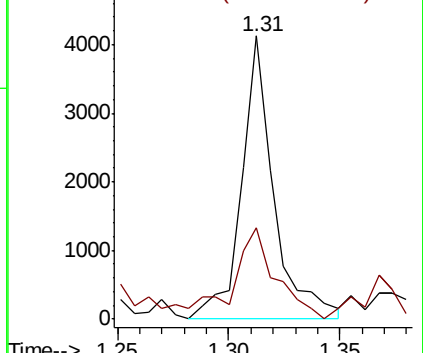
50 100

52 28.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.237 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX018567.D

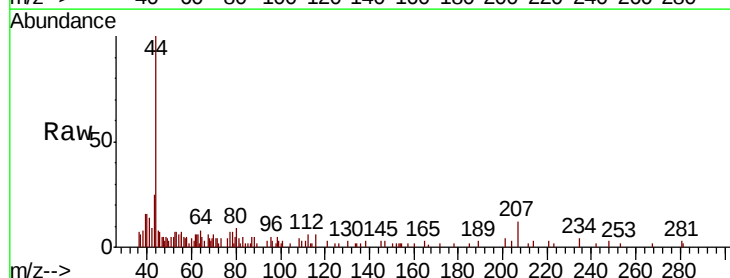
Acq: 24 Sep 2020 13:17

Tgt Ion: 62 Resp: 1260

Ion Ratio Lower Upper

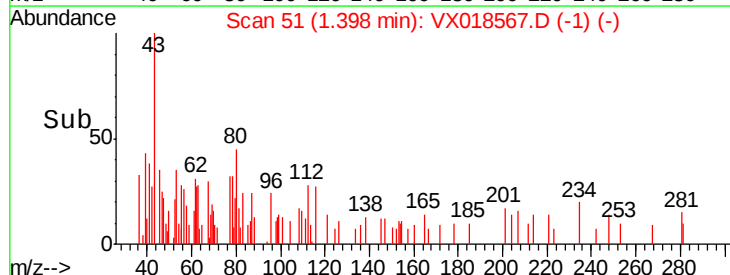
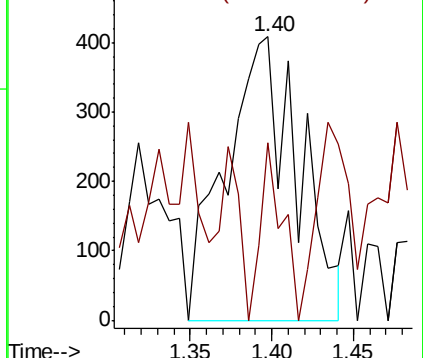
62 100

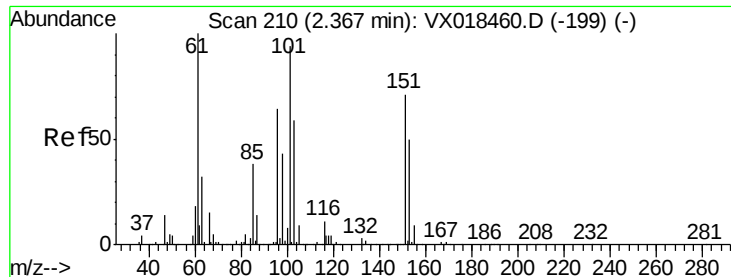
64 0.2 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.337 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20200918

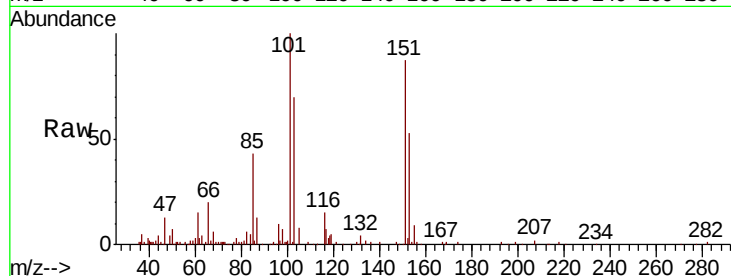
Tot Ion:101 Resp: 36277

Ion Ratio Lower Upper

101 100

85 46.5 34.7 52.1

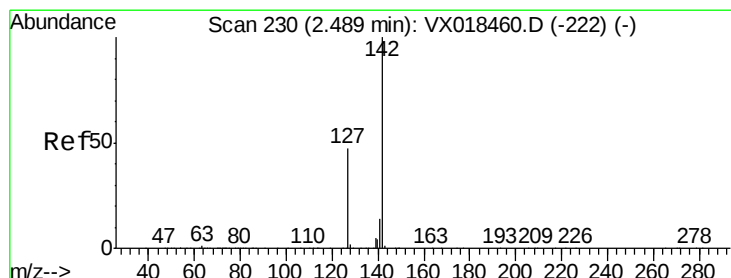
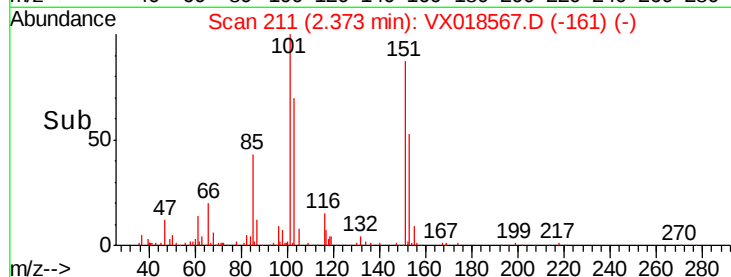
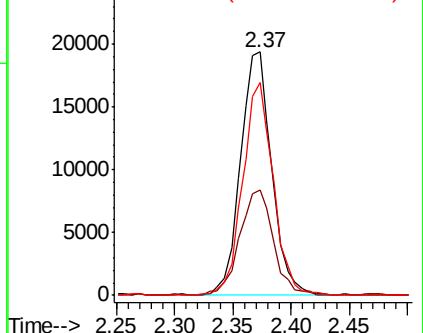
151 85.5 64.9 97.3



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: 5.011 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

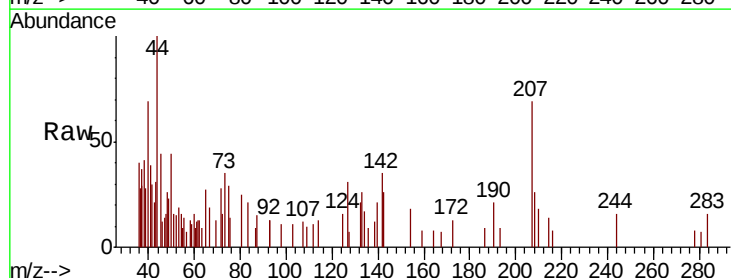
Tgt Ion:142 Resp: 579

Ion Ratio Lower Upper

142 100

127 52.3 36.0 54.0

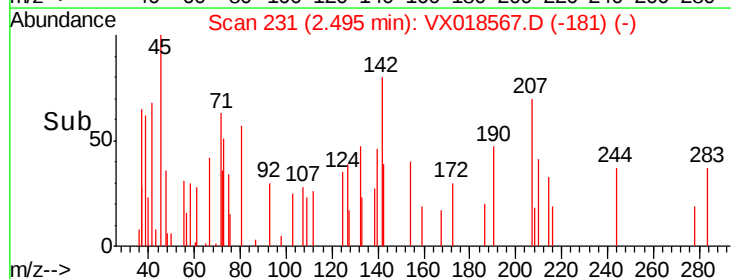
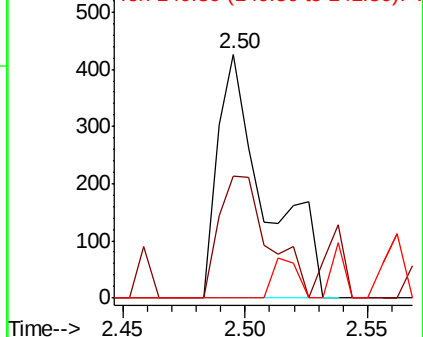
141 8.3 11.9 17.9#

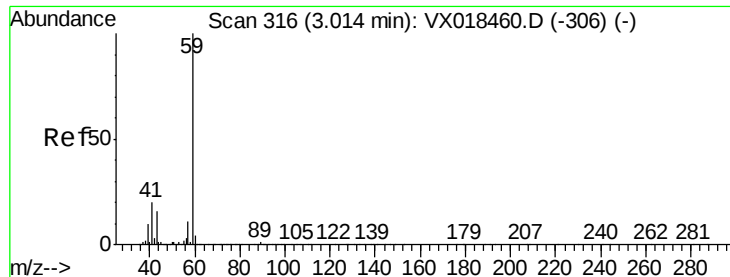


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



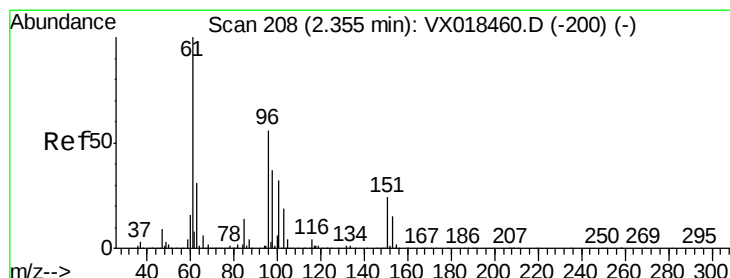
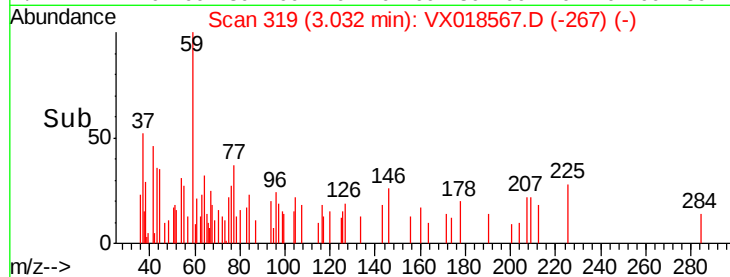
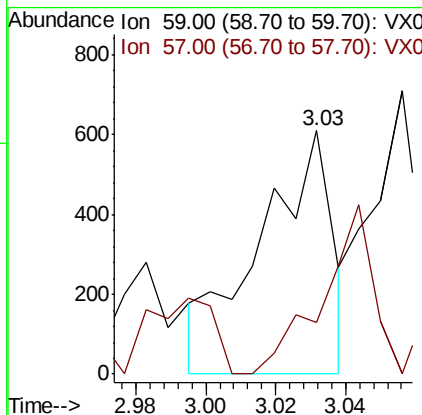
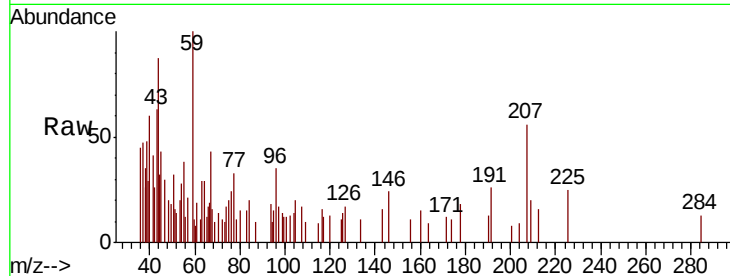


#11

Tert butyl alcohol
 Concen: 0.788 ug/l
 RT: 3.03 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VX018567.D
 Acq: 24 Sep 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20200918

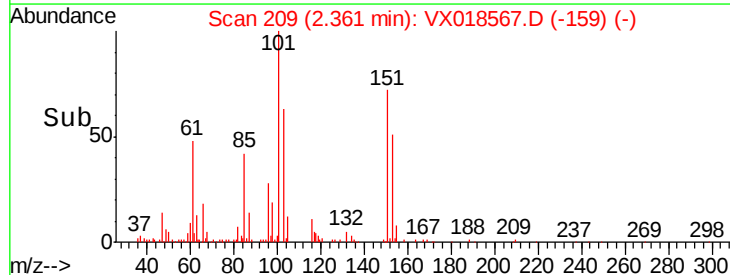
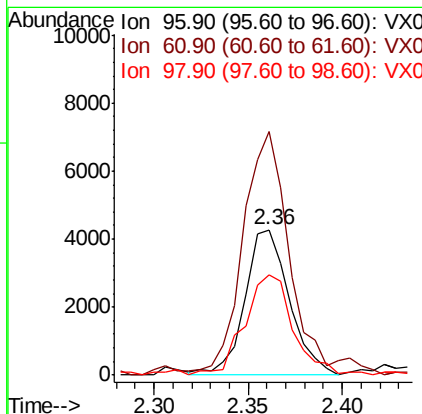
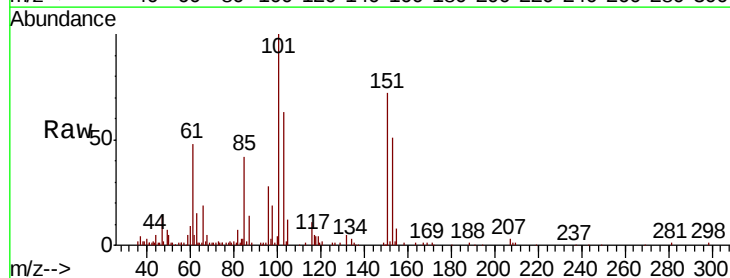
Tot Ion: 59 Resp: 878
 Ion Ratio Lower Upper
 59 100
 57 48.5 8.2 12.4#

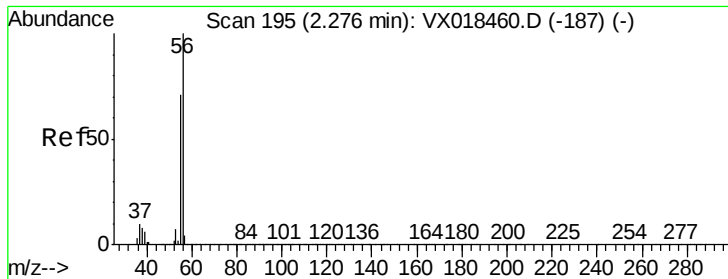


#12

1,1-Dichloroethene
 Concen: 1.595 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX018567.D
 Acq: 24 Sep 2020 13:17

Tgt Ion: 96 Resp: 6995
 Ion Ratio Lower Upper
 96 100
 61 165.2 142.2 213.4
 98 68.7 52.4 78.6





#13

Acrolein

Concen: 0.520 ug/l

RT: 2.31 min Scan# 200

Delta R.T. 0.03 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

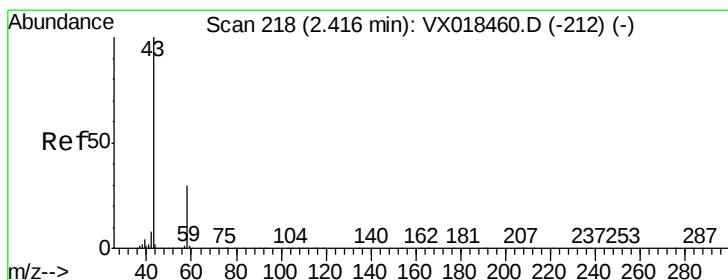
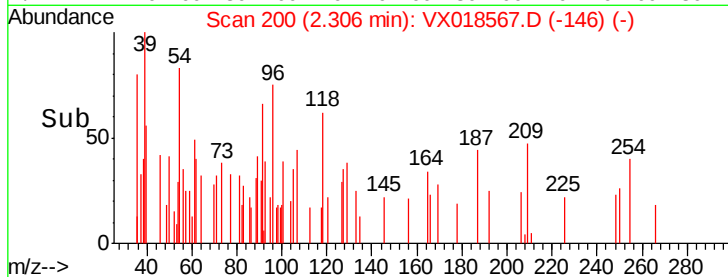
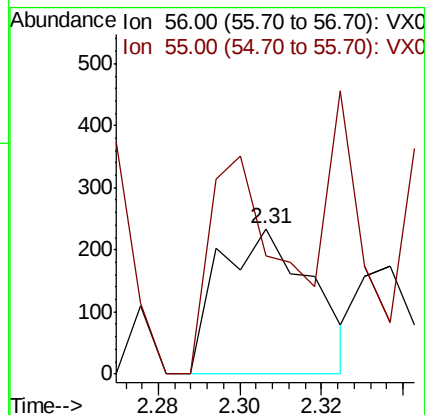
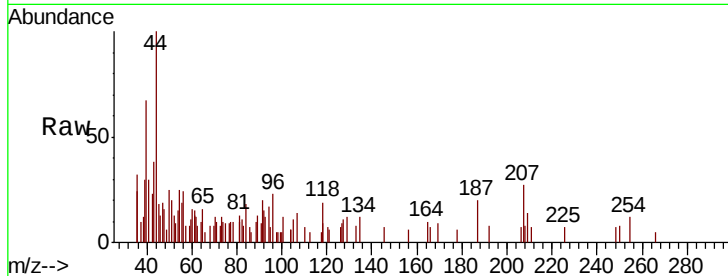
RE132D5-20200918

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 117.2 58.2 87.4#



#16

Acetone

Concen: 3.021 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018567.D

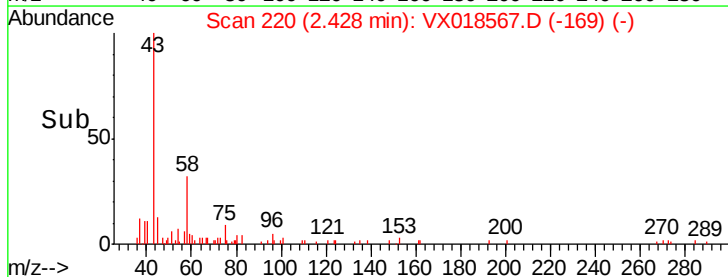
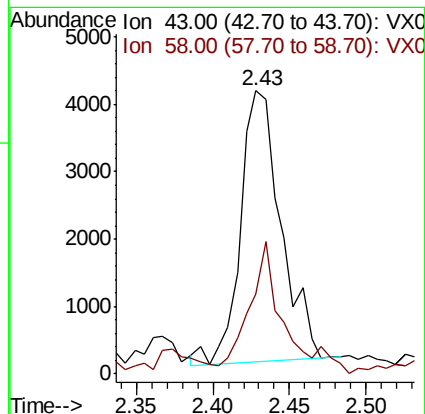
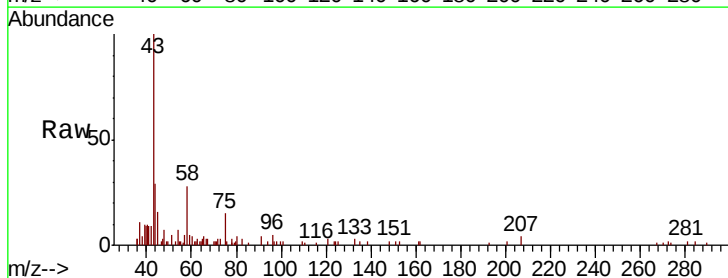
Acq: 24 Sep 2020 13:17

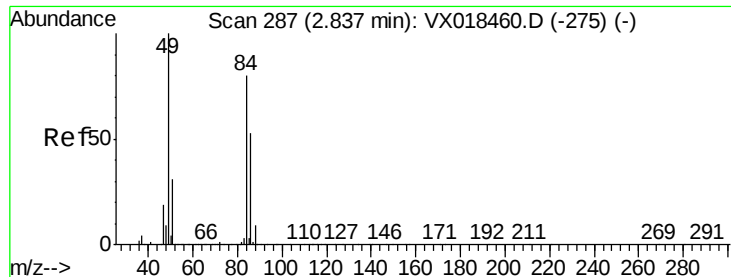
Tgt Ion: 43 Resp: 7401

Ion Ratio Lower Upper

43 100

58 25.9 24.0 36.0

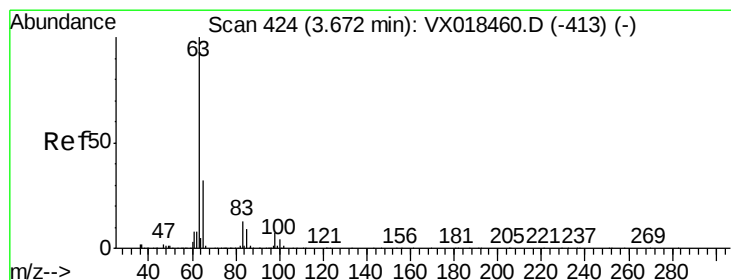
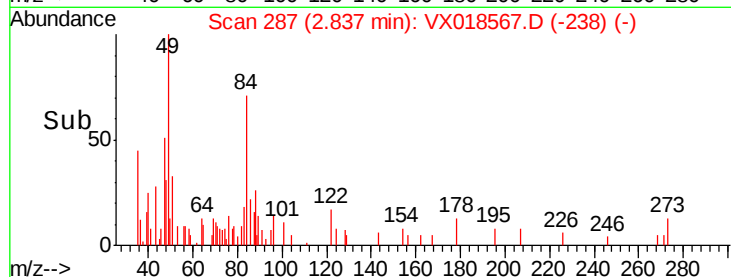
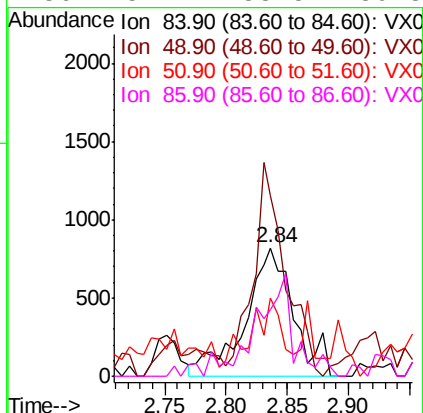
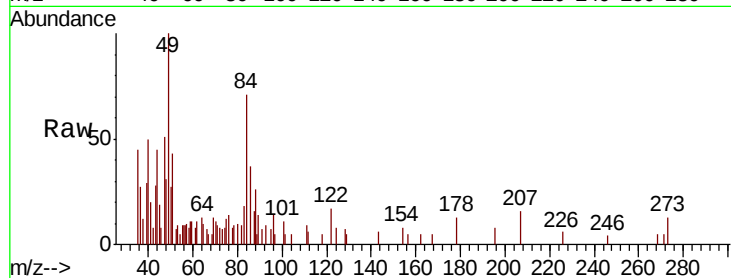




#20
Methvlene Chloride
Concen: 0.417 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

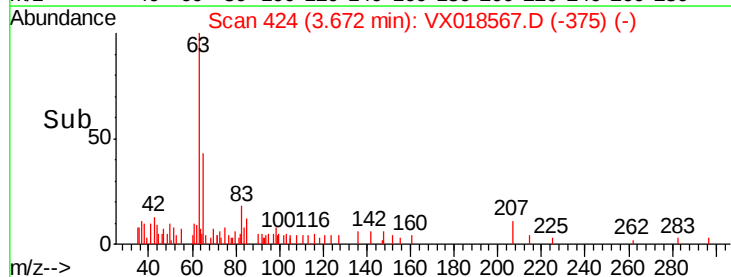
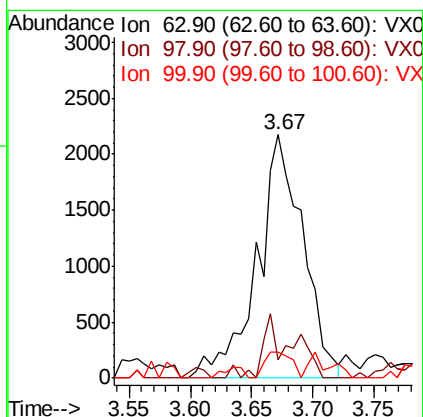
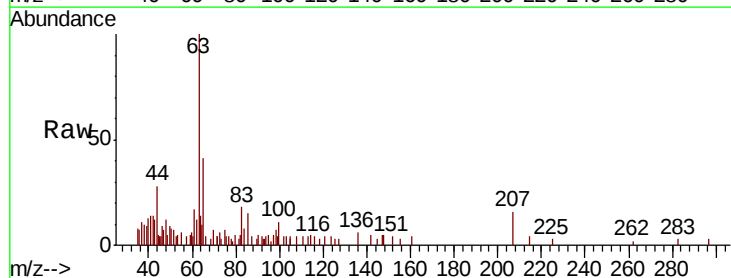
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20200918

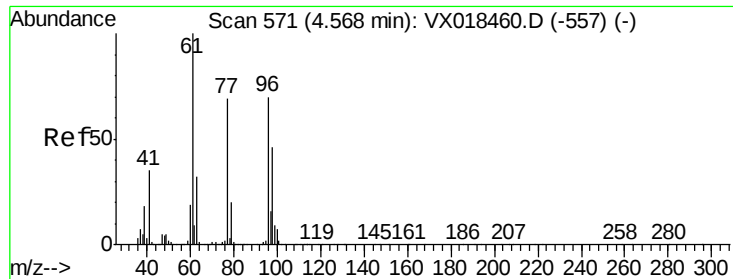
Tot Ion:	84	Resp:	2253
Ion	Ratio	Lower	Upper
84	100		
49	130.4	100.6	151.0
51	38.2	30.9	46.3
86	52.2	53.5	80.3#



#24
1,1-Dichloroethane
Concen: 0.616 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

Tgt Ion:	63	Resp:	5680
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	10.7	1.9	5.7#



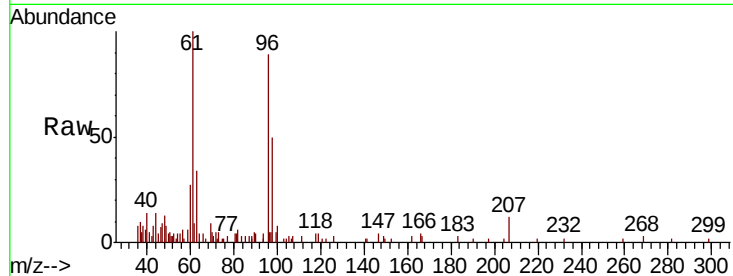


#27

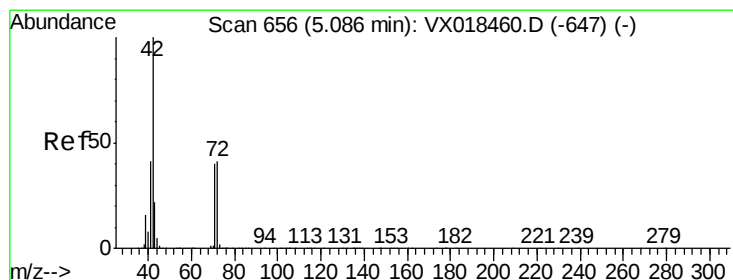
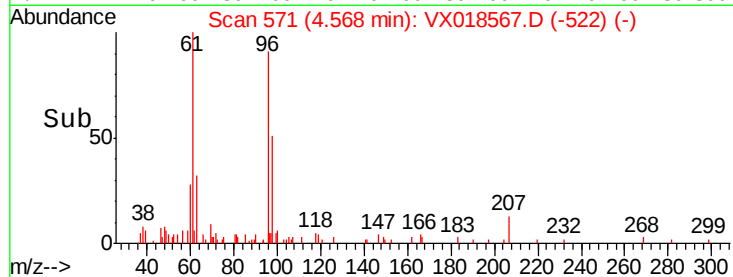
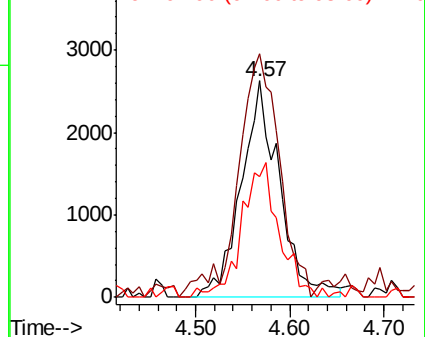
cis-1,2-Dichloroethene
Concen: 1.305 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20200918

Tot Ion	96	Resp	7453
Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	300.0
98	60.4	0.0	130.4



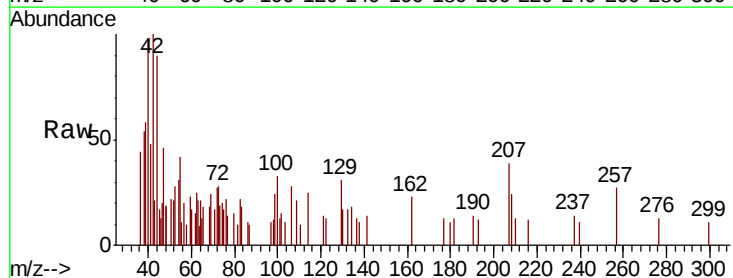
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



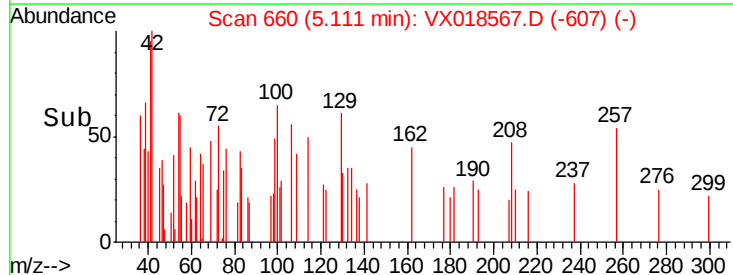
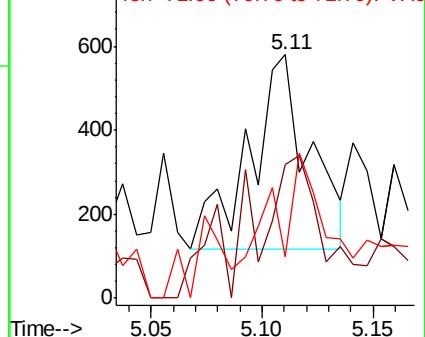
#29

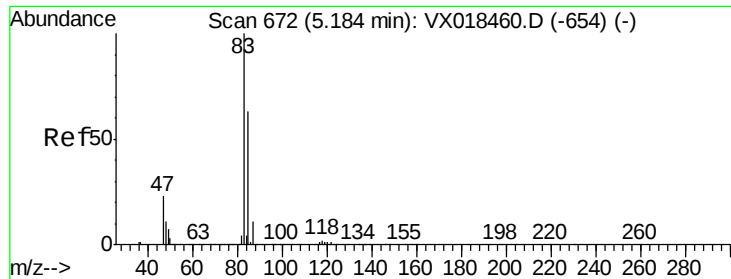
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

Tgt Ion	42	Resp	872
Ion	Ratio	Lower	Upper
42	100		
72	76.9	34.3	51.5#
71	42.4	32.1	48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.829 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

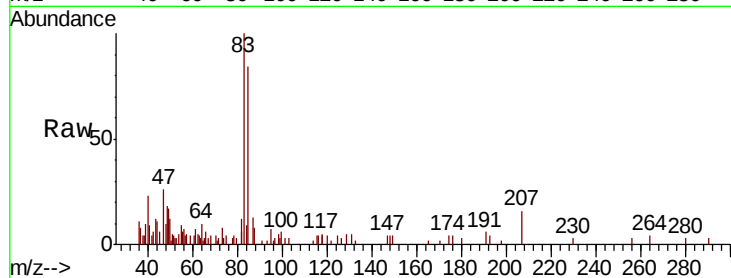
RE132D5-20200918

Tot Ion: 83 Resp: 7754

Ion Ratio Lower Upper

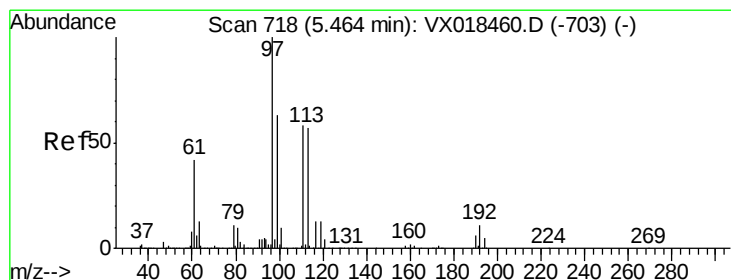
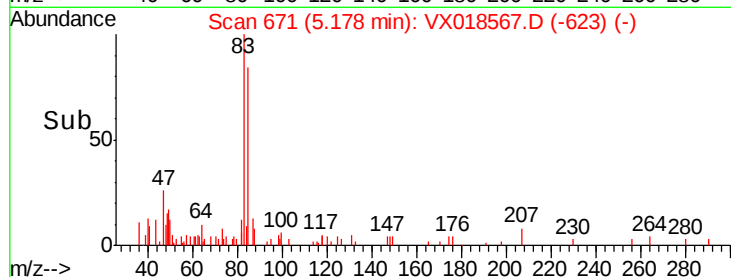
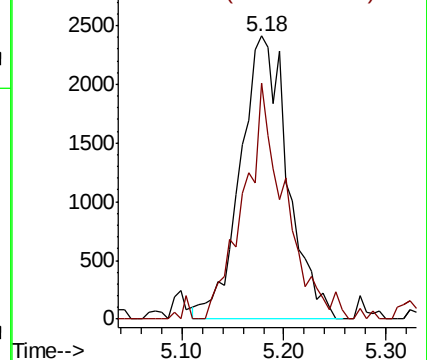
83 100

85 83.5 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#32

1,1,1-Trichloroethane

Concen: 0.346 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

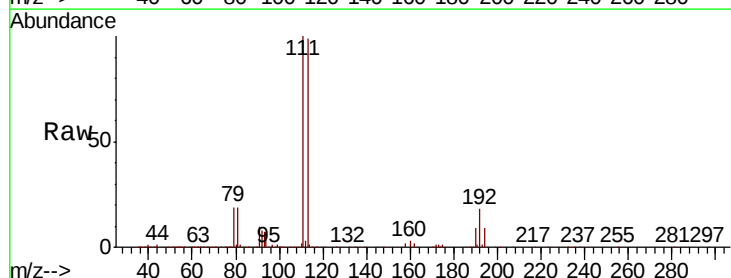
Tgt Ion: 97 Resp: 3036

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

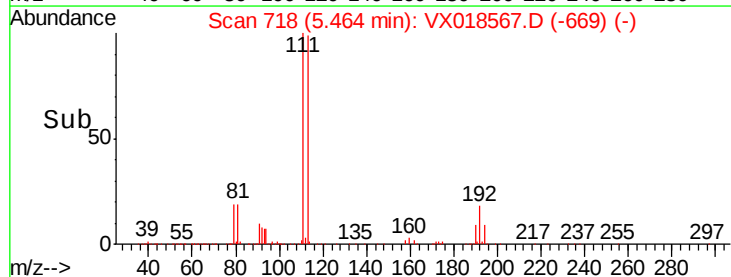
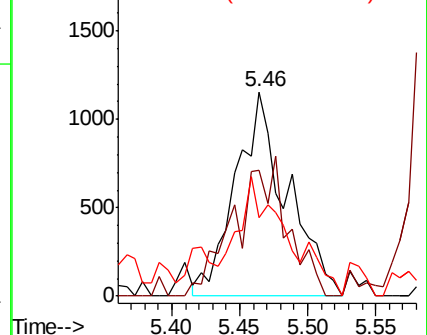
61 28.2 33.4 50.2#

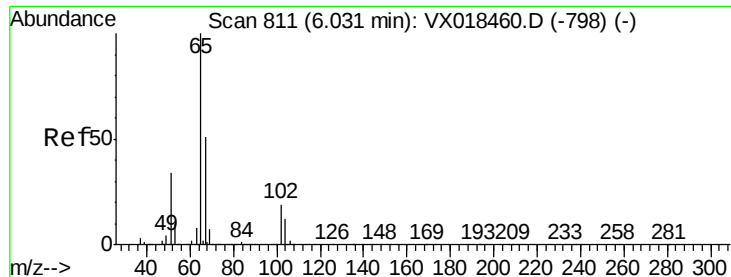


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.565 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

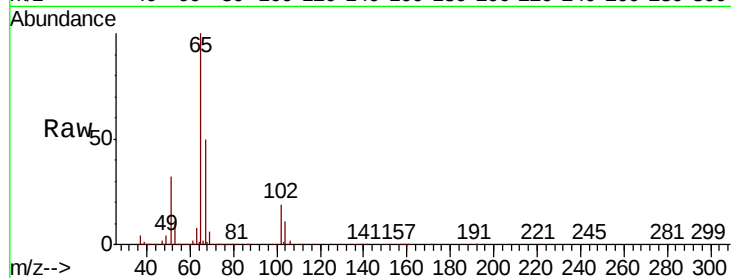
RE132D5-20200918

Tot Ion: 65 Resp: 323961

Ion Ratio Lower Upper

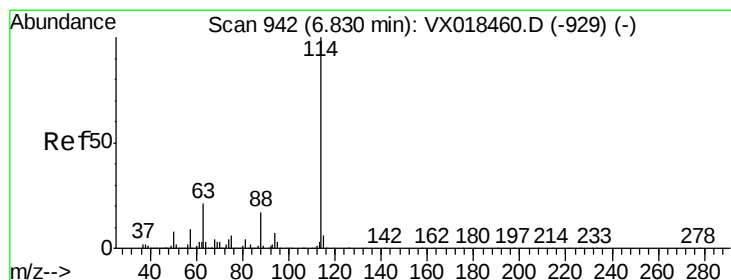
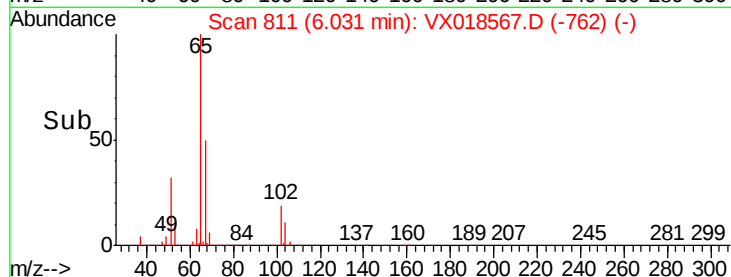
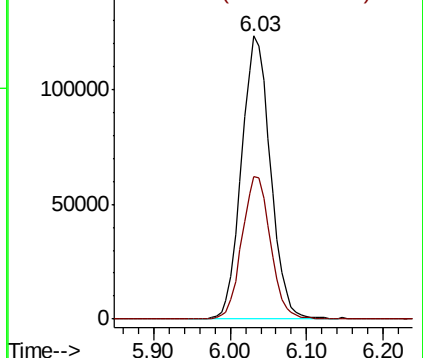
65 100

67 50.0 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

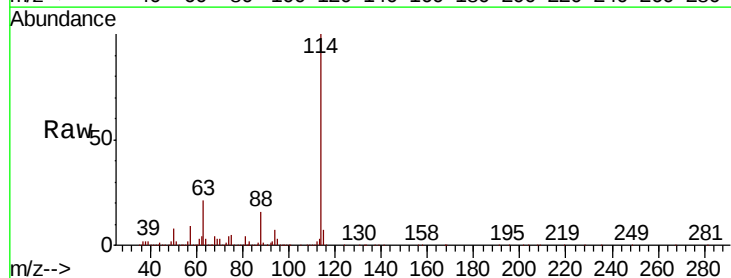
Tgt Ion: 114 Resp: 724846

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

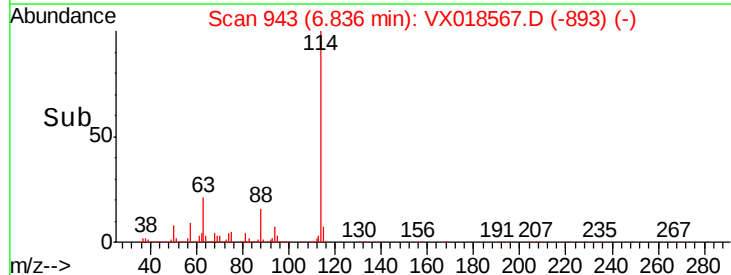
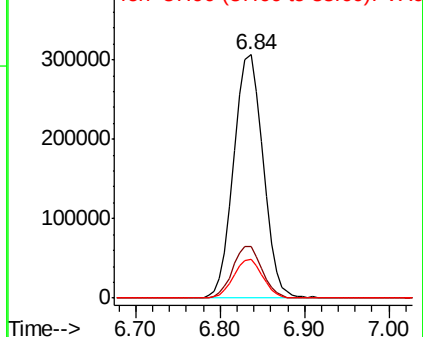
88 15.8 0.0 33.6

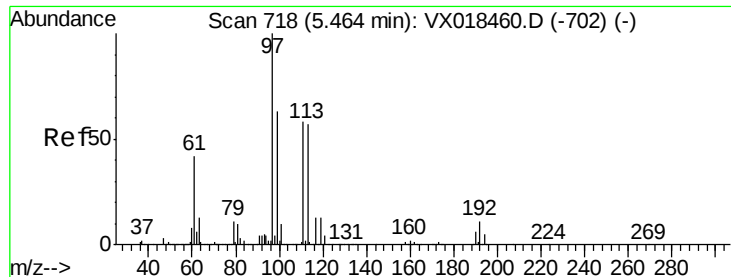


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.226 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20200918

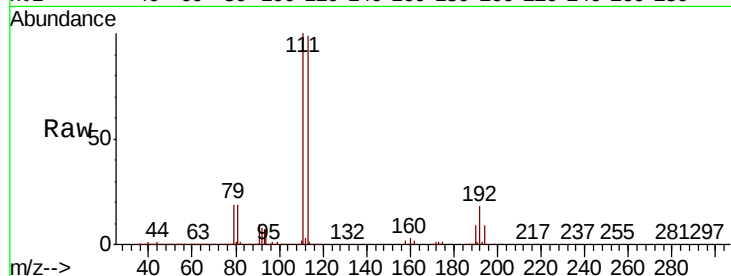
Tot Ion:113 Resp: 251682

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.2

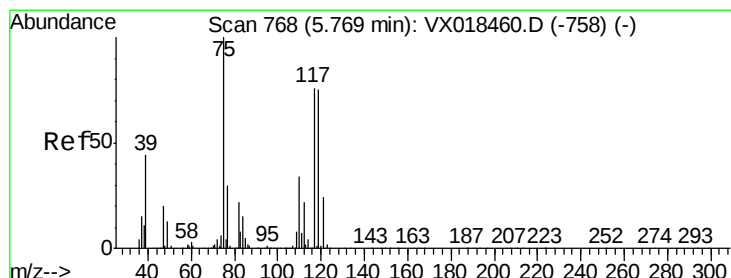
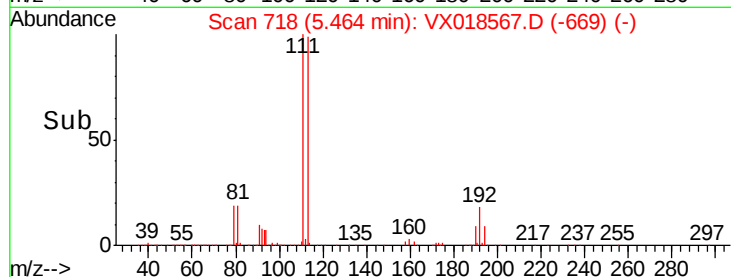
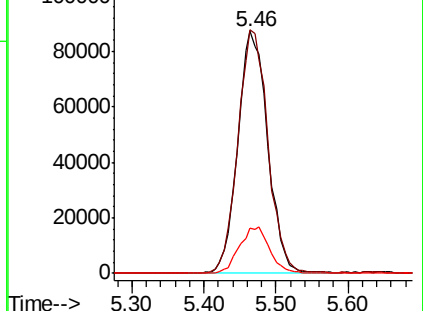
192 19.4 16.6 24.8



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: 4.916 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

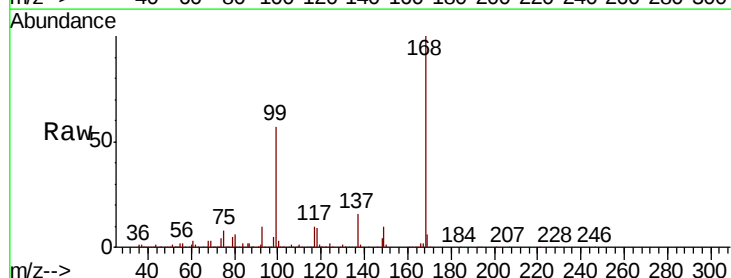
Tgt Ion: 75 Resp: 34583

Ion Ratio Lower Upper

75 100

110 11.8 17.6 52.8#

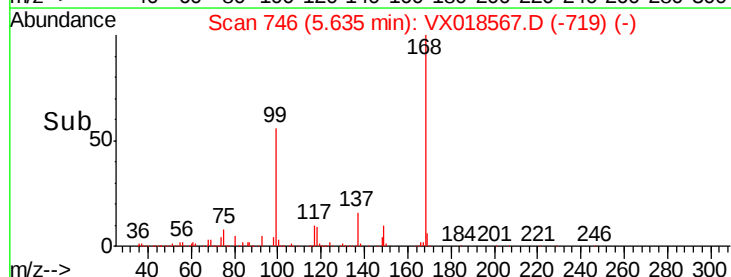
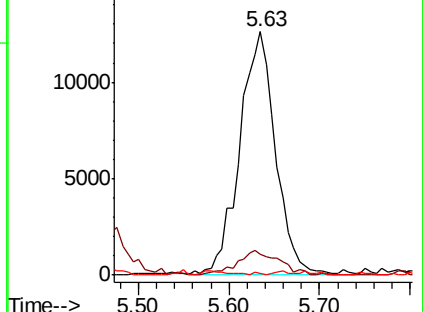
77 0.3 25.0 37.6#

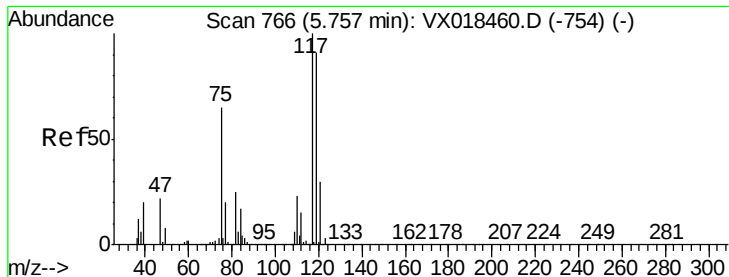


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 0.571 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20200918

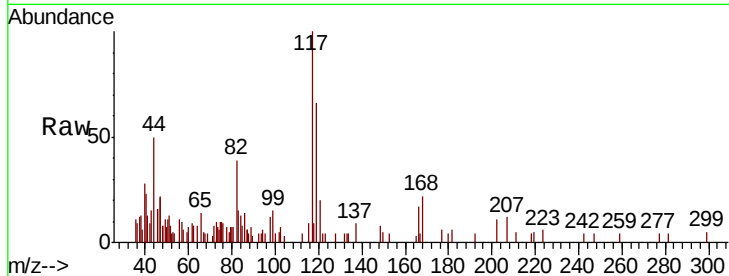
Tot Ion:117 Resp: 4450

Ion Ratio Lower Upper

117 100

119 63.7 72.3 108.5#

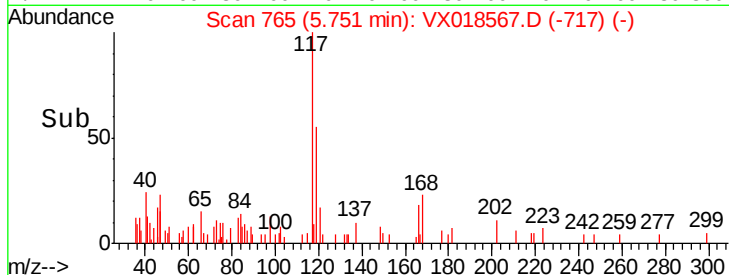
121 16.0 23.8 35.8#



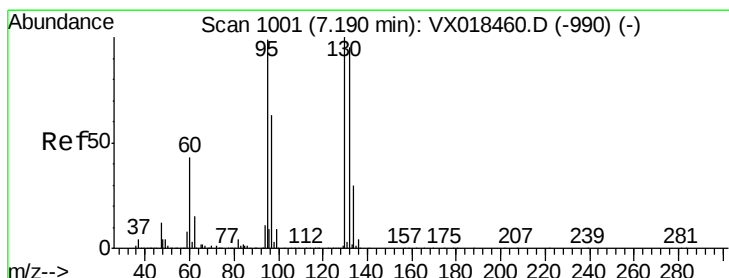
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#44

Trichloroethene

Concen: 74.728 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018567.D

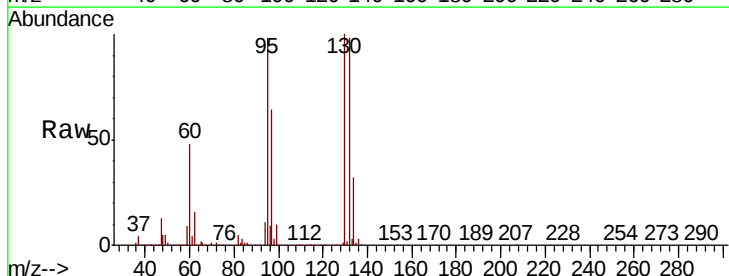
Acq: 24 Sep 2020 13:17

Tgt Ion:130 Resp: 436169

Ion Ratio Lower Upper

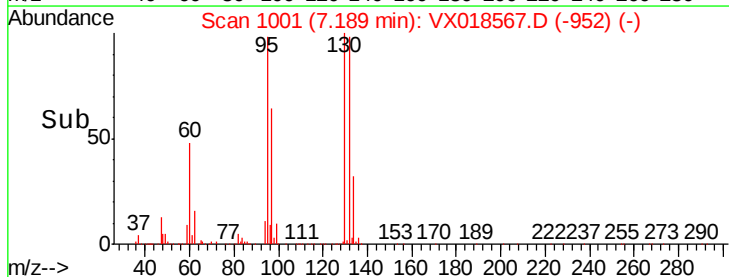
130 100

95 98.2 0.0 197.4

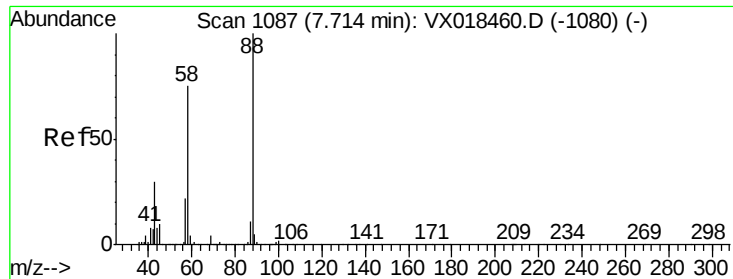


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->



#49

1,4-Dioxane

Concen: 15.489 ug/l

RT: 7.76 min Scan# 1094

Delta R.T. 0.04 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20200918

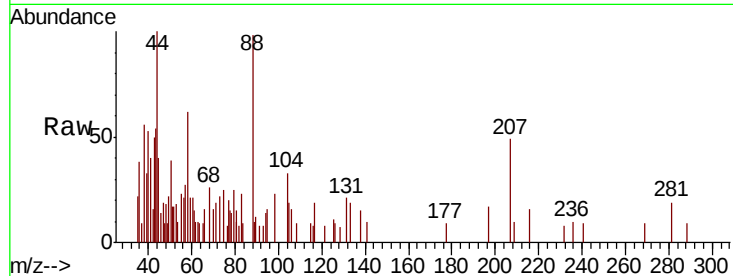
Tot Ion: 88 Resp: 1553

Ion Ratio Lower Upper

88 100

43 109.5 29.9 44.9#

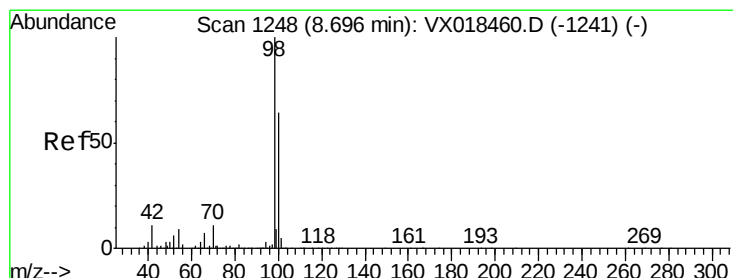
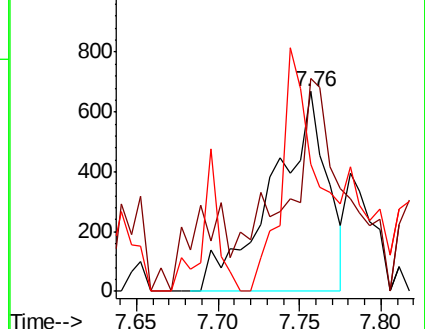
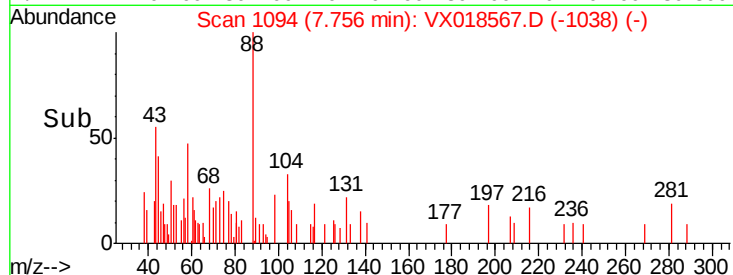
58 80.7 59.0 88.6



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: 49.592 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018567.D

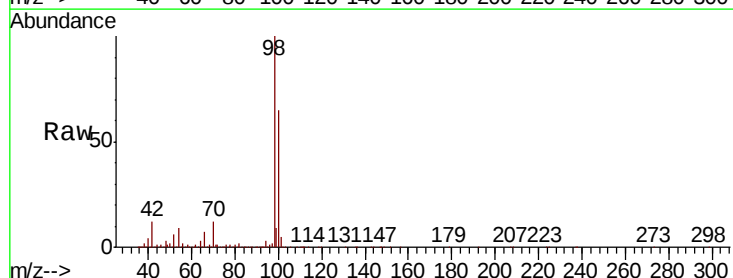
Acq: 24 Sep 2020 13:17

Tgt Ion: 98 Resp: 902901

Ion Ratio Lower Upper

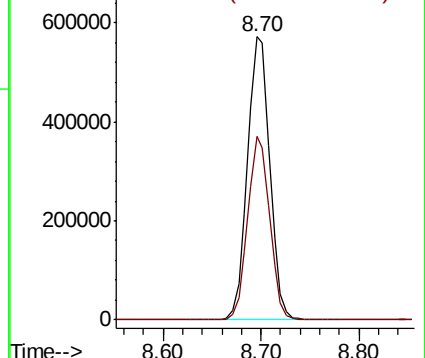
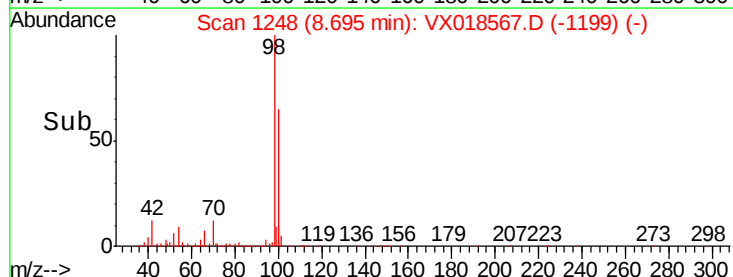
98 100

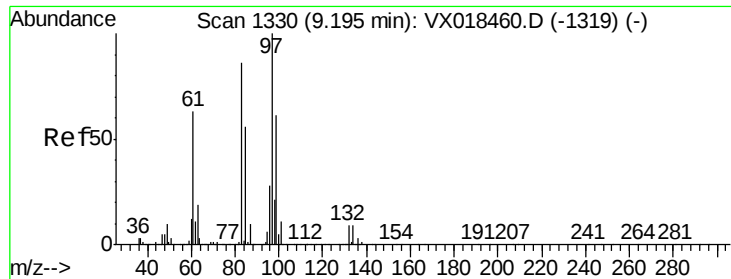
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

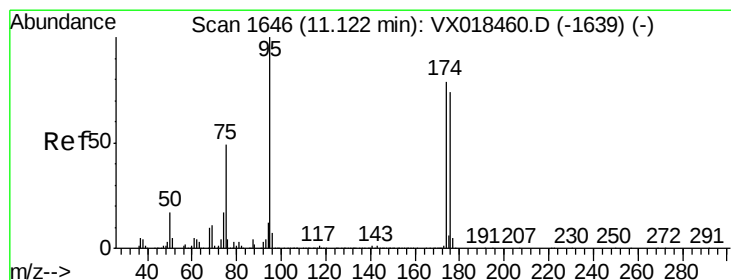
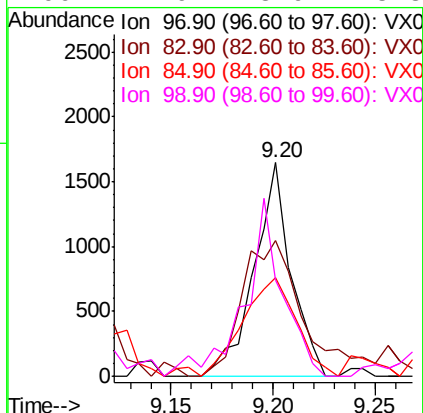
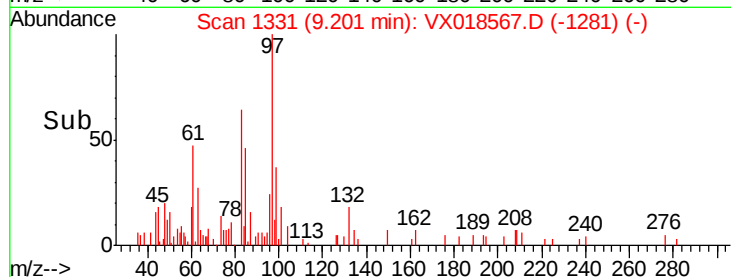
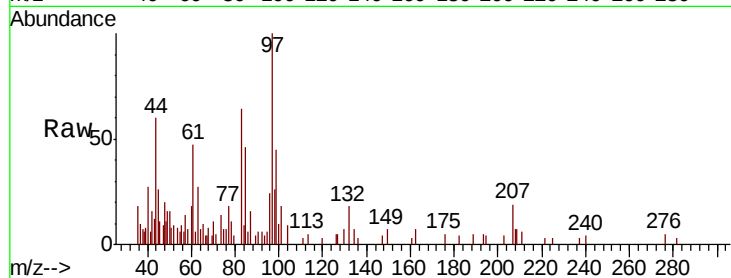




#55
 1,1,2-Trichloroethane
 Concen: 0.395 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX018567.D
 Acq: 24 Sep 2020 13:17

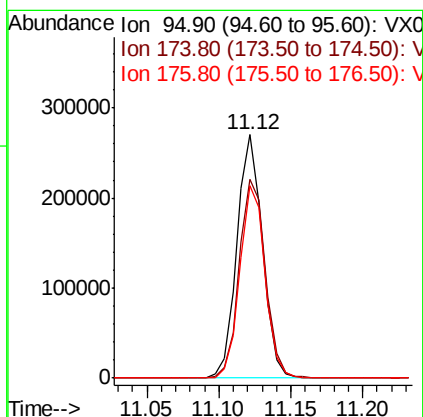
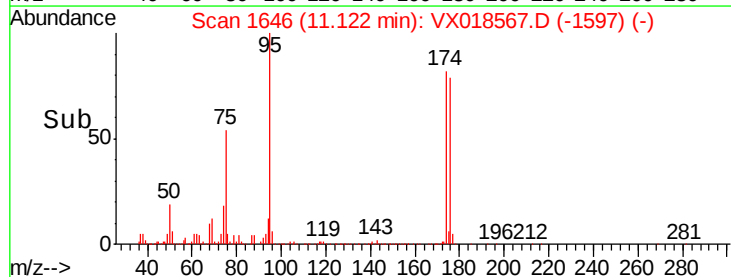
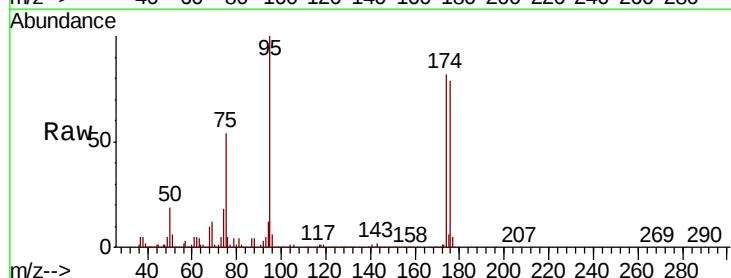
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20200918

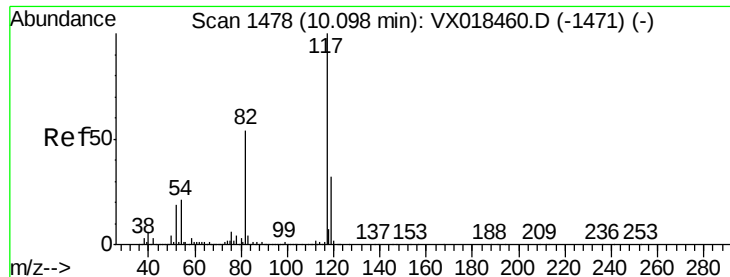
Tot Ion:	97	Resp:	2079
Ion	Ratio	Lower	Upper
97	100		
83	63.7	68.5	102.7#
85	46.4	44.8	67.2
99	44.9	48.9	73.3#



#62
 4-Bromofluorobenzene
 Concen: 45.990 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018567.D
 Acq: 24 Sep 2020 13:17

Tgt Ion:	95	Resp:	333069
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	161.4
176	78.3	0.0	151.4

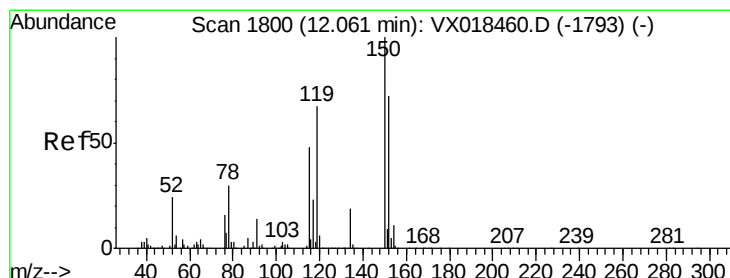
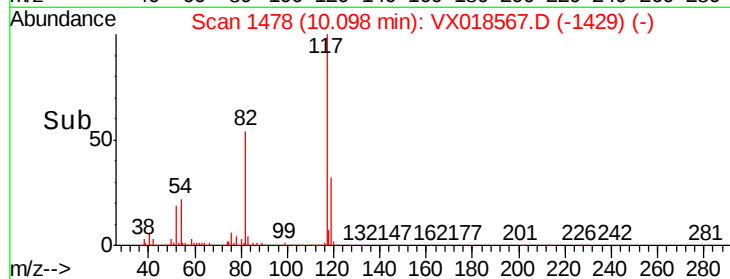
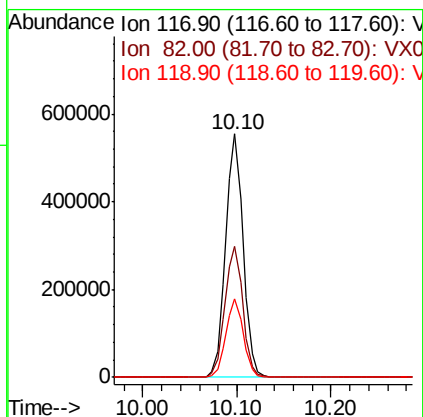
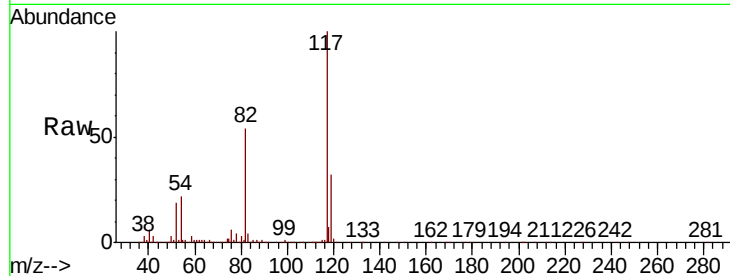




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

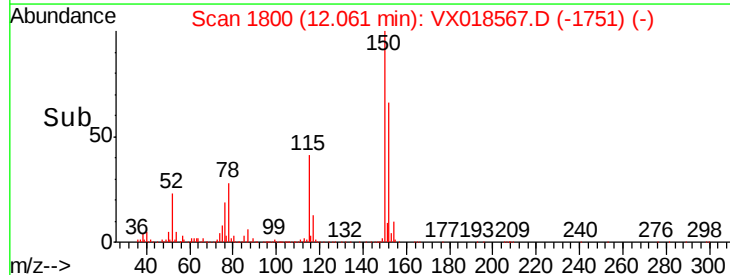
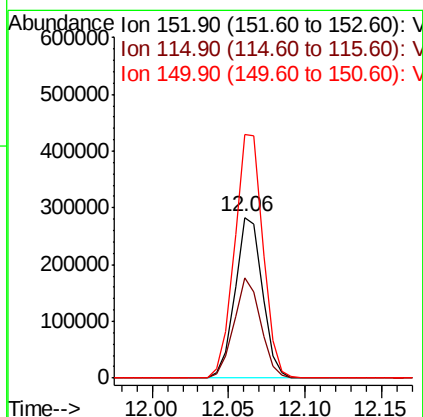
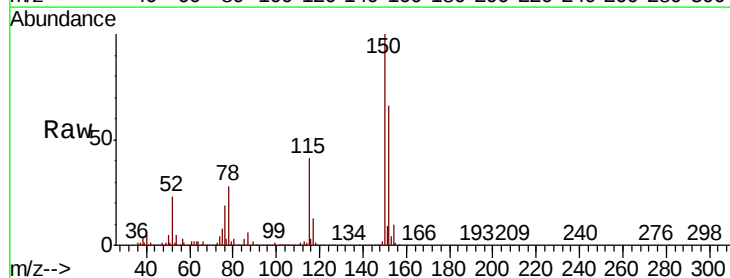
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20200918

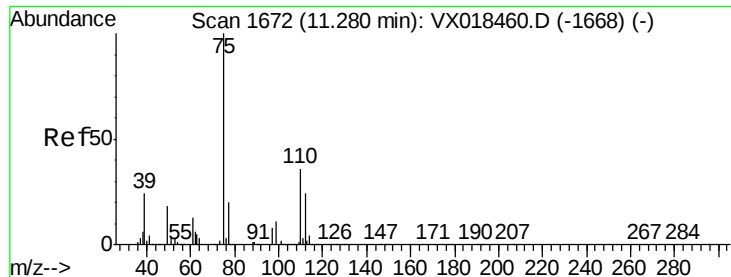
Tot Ion:117 Resp: 717760
Ion Ratio Lower Upper
117 100
82 54.0 43.3 64.9
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018567.D
Acq: 24 Sep 2020 13:17

Tgt Ion:152 Resp: 351406
Ion Ratio Lower Upper
152 100
115 61.0 41.8 125.4
150 157.2 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 23.808 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

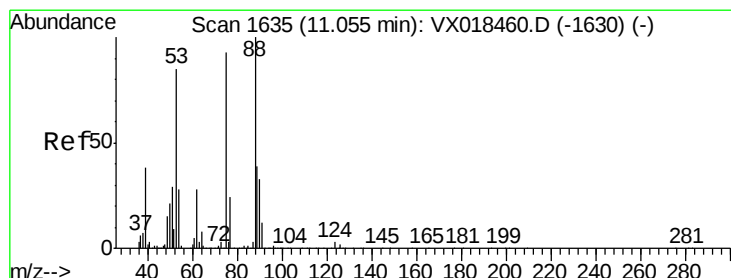
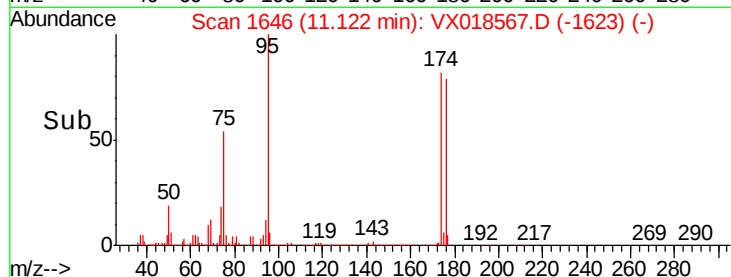
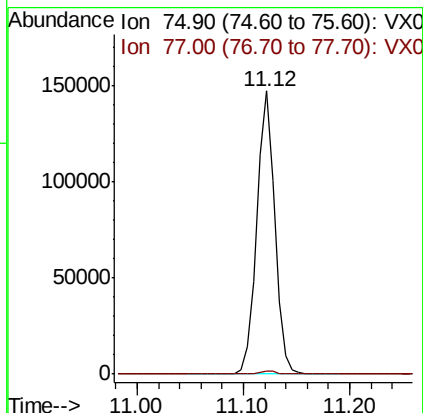
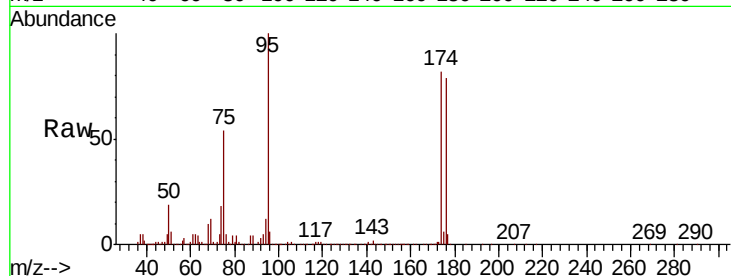
RE132D5-20200918

Tot Ion: 75 Resp: 175810

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.007 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018567.D

Acq: 24 Sep 2020 13:17

Tgt Ion: 75 Resp: 175810

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.0 36.2 54.4#

