

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092320\
 Data File : VX018547.D
 Acq On : 23 Sep 2020 20:15
 Operator : JC/SP
 Sample : L4120-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMPACTOR-ELECTRICAL-SERVI

Quant Time: Sep 24 00:38:26 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	470453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	757516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	730875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	365939	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	337412	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	5.47	113	259818	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	8.70	98	929247	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.12	95	351643	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

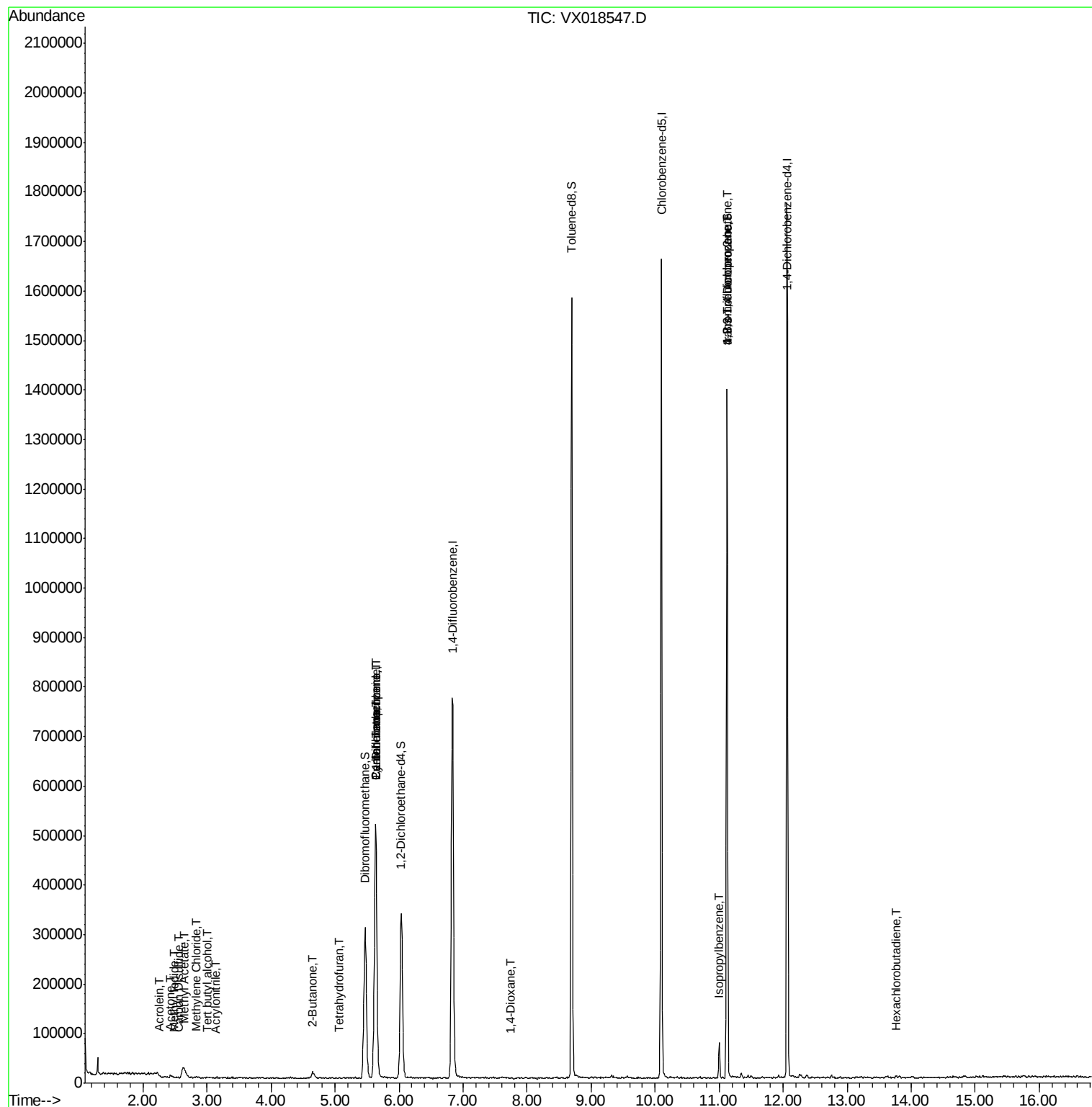
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	322	4.966	ug/l #	39
11) Tert butyl alcohol	2.99	59	1917	1.655	ug/l #	72
13) Acrolein	2.26	56	672	0.916	ug/l #	66
15) Acrylonitrile	3.14	53	608	0.220	ug/l #	64
16) Acetone	2.43	43	6359	2.498	ug/l	99
17) Carbon Disulfide	2.56	76	2875	0.211	ug/l #	85
18) Methyl Acetate	2.64	43	14644	2.322	ug/l #	53
20) Methylene Chloride	2.84	84	1365	0.243	ug/l #	69
25) 2-Butanone	4.65	43	886	0.224	ug/l #	50
29) Tetrahydrofuran	5.07	42	610	0.244	ug/l #	60
31) Cyclohexane	5.63	56	10261	1.274	ug/l #	8
36) 1,1-Dichloropropene	5.64	75	37202	5.060	ug/l #	50
38) Carbon Tetrachloride	5.64	117	49754	6.110	ug/l #	19
49) 1,4-Dioxane	7.74	88	142	1.355	ug/l #	1
73) Isopropylbenzene	11.00	105	34421	1.408	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	180458	23.467	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	180458	60.133	ug/l #	12
94) Hexachlorobutadiene	13.77	225	681	0.205	ug/l	75

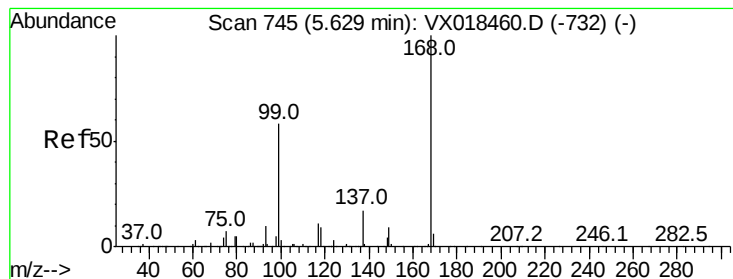
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 24 00:38:26 2020
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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

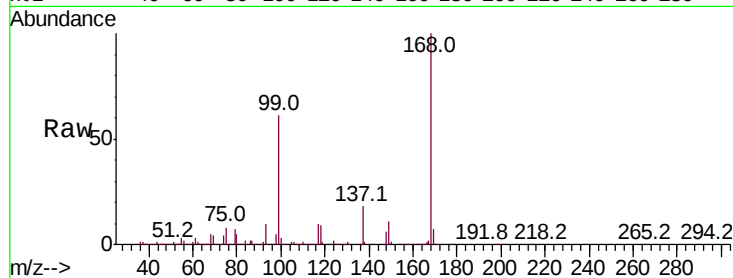
COMPACTOR-ELECTRICAL-SERVI

Tot Ion:168 Resp: 470453

Ion Ratio Lower Upper

168 100

99 60.7 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

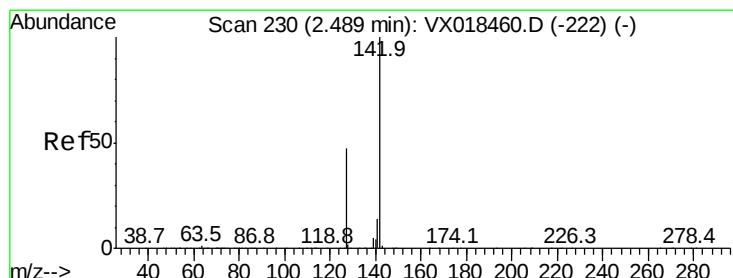
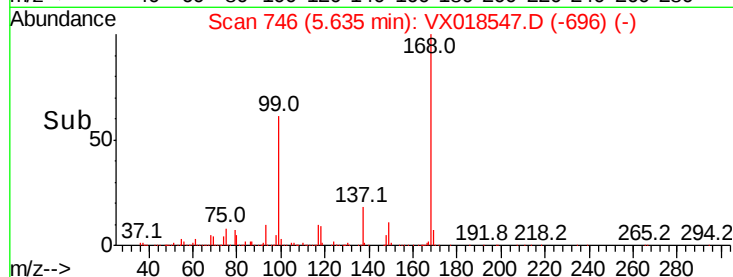
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.966 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

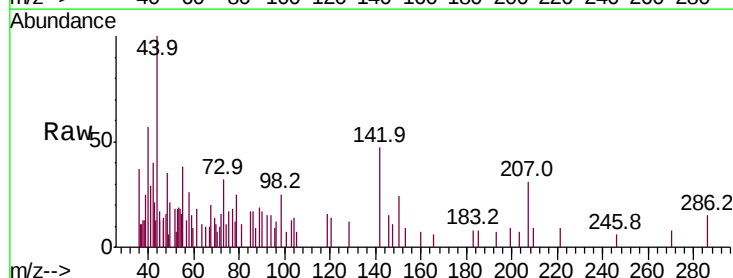
Tgt Ion:142 Resp: 322

Ion Ratio Lower Upper

142 100

127 0.0 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

2.48

500

400

300

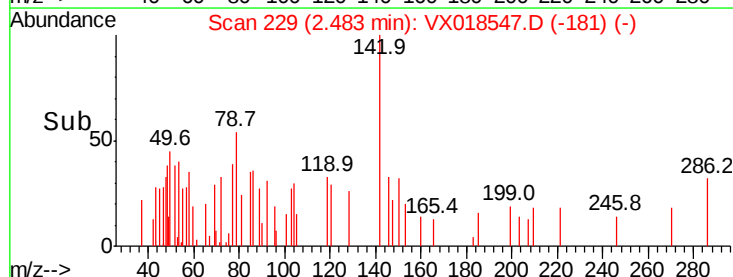
200

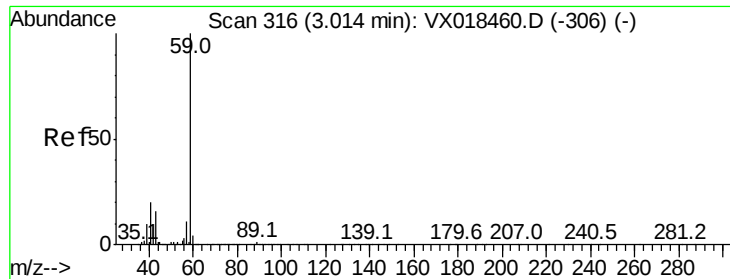
100

0

Time-->

2.46 2.47 2.48 2.49 2.50

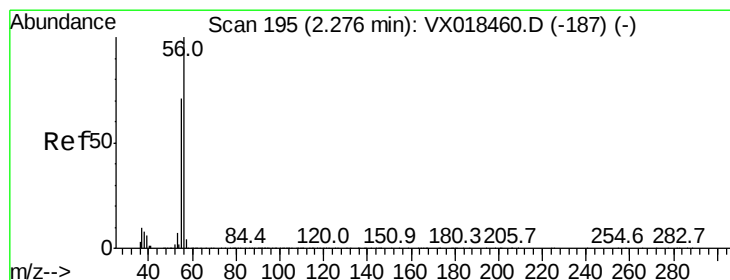
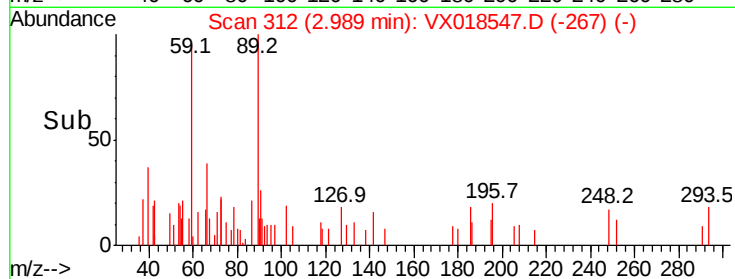
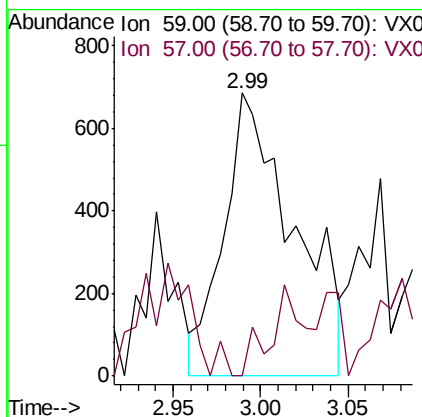
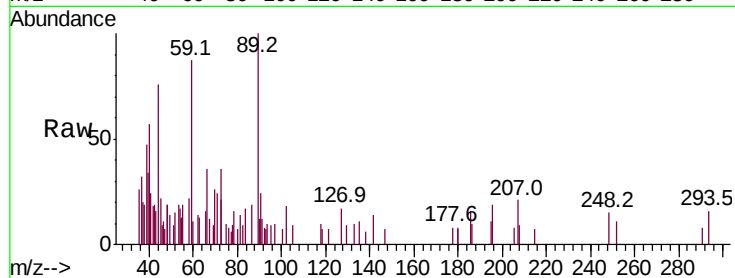




#11
Tert butyl alcohol
Concen: 1.655 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

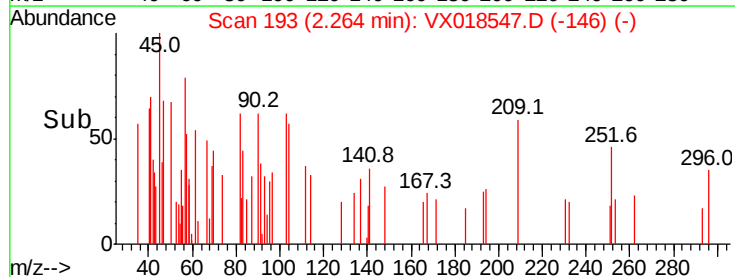
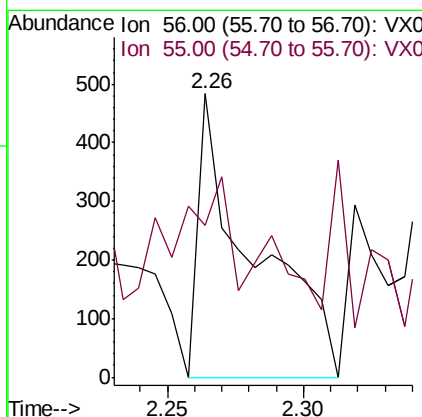
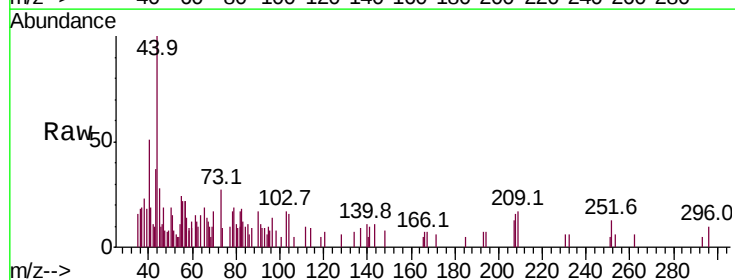
Instrument :
MSVOA_X
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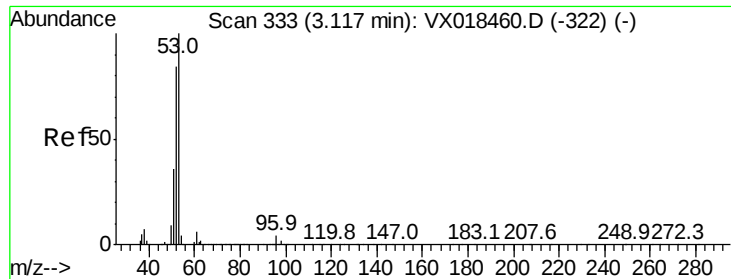
Tot Ion: 59 Resp: 1917
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.916 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

Tgt Ion: 56 Resp: 672
Ion Ratio Lower Upper
56 100
55 44.2 58.2 87.4#





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.02 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

COMPACTOR-ELECTRICAL-SERVI

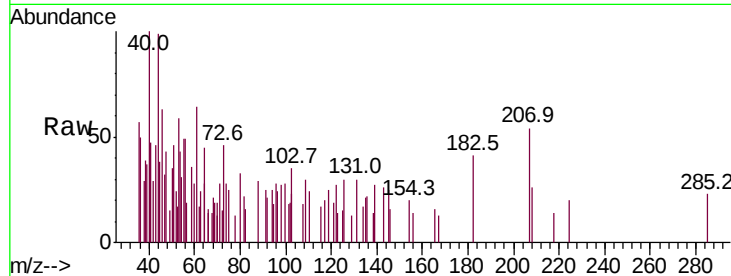
Tot Ion: 53 Resp: 608

Ion Ratio Lower Upper

53 100

52 43.8 65.8 98.8#

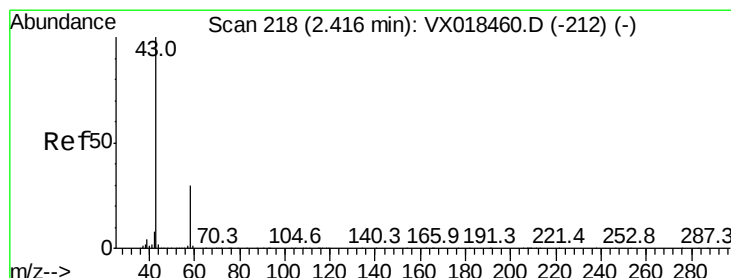
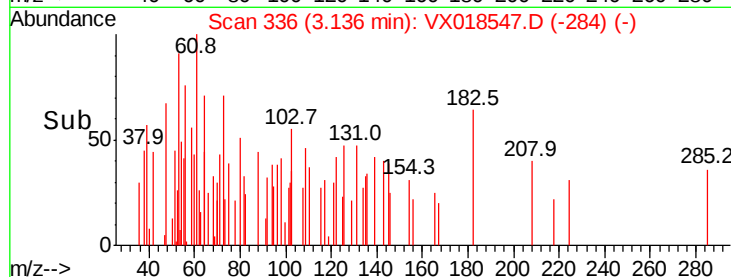
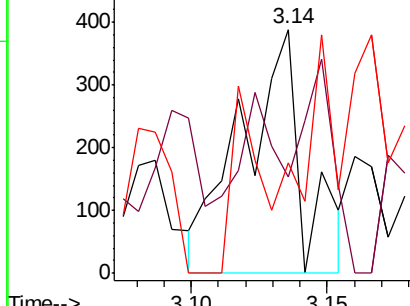
51 23.8 29.2 43.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.498 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018547.D

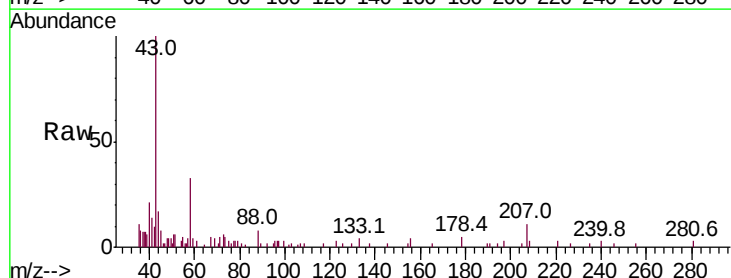
Acq: 23 Sep 2020 20:15

Tgt Ion: 43 Resp: 6359

Ion Ratio Lower Upper

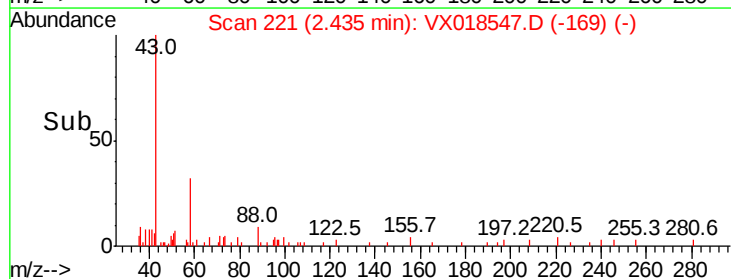
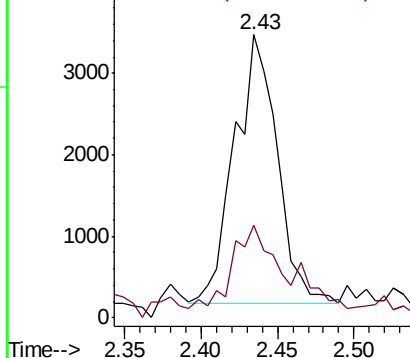
43 100

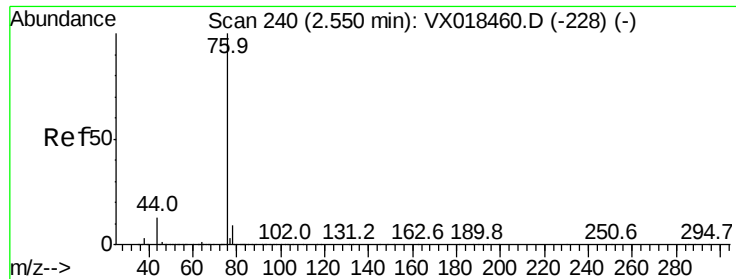
58 30.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

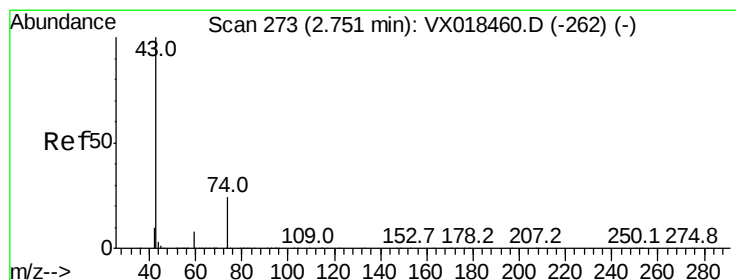
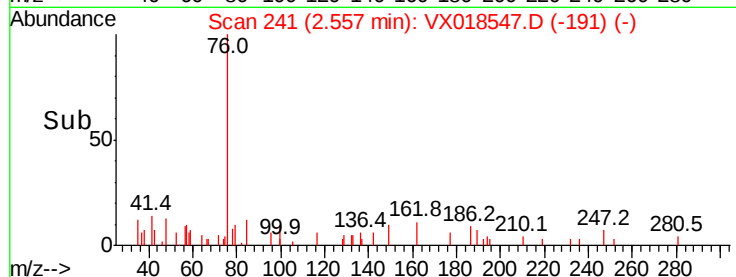
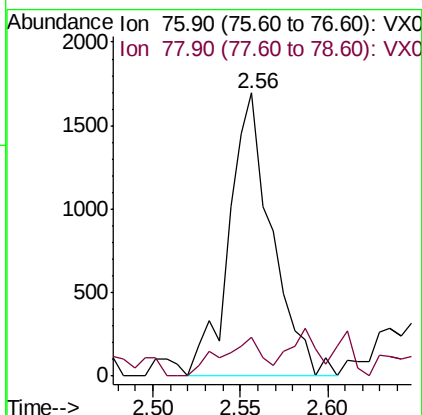
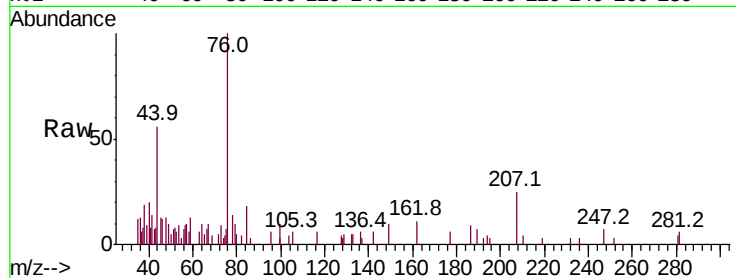




#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

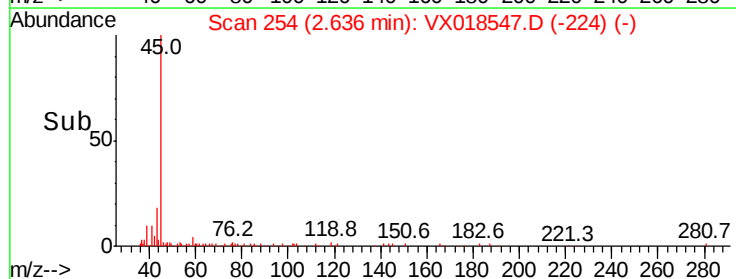
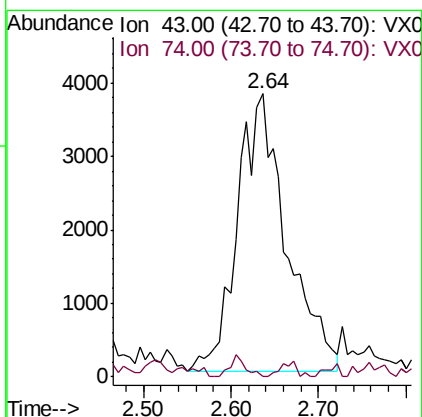
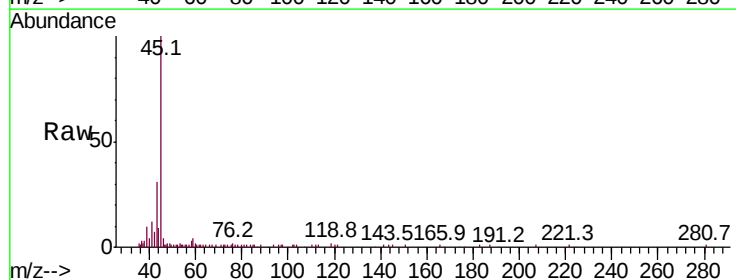
Instrument :
MSVOA_X
ClientSampleId :
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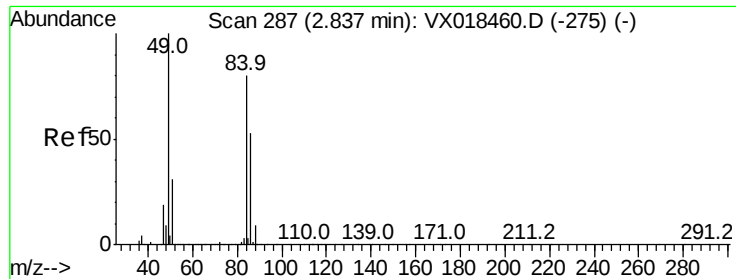
Tot Ion: 76 Resp: 2875
Ion Ratio Lower Upper
76 100
78 13.9 7.0 10.4#



#18
Methyl Acetate
Concen: 2.322 ug/l
RT: 2.64 min Scan# 254
Delta R.T. -0.12 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

Tgt Ion: 43 Resp: 14644
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

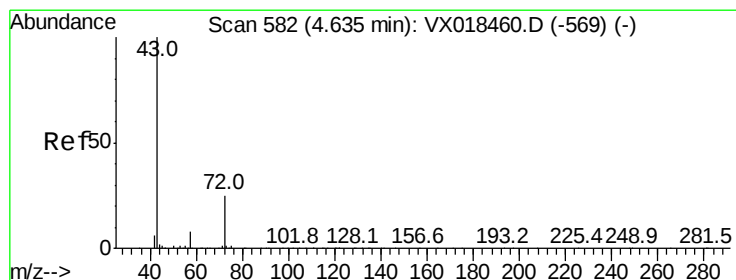
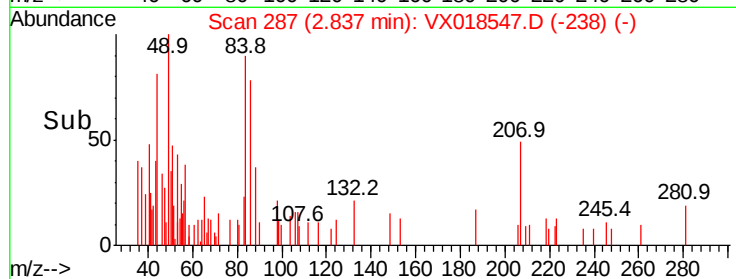
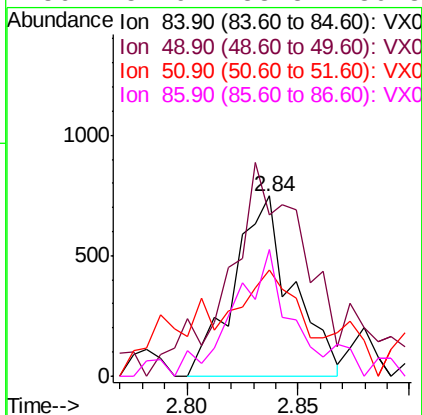
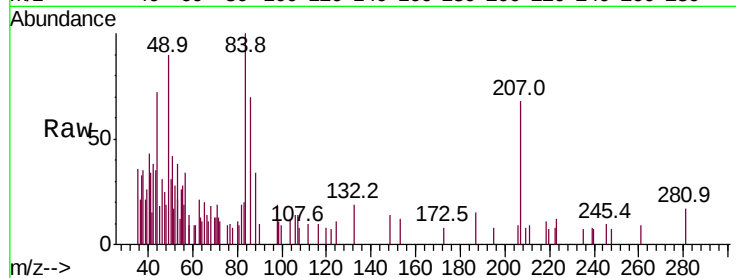




#20
Methvlene Chloride
Concen: 0.243 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

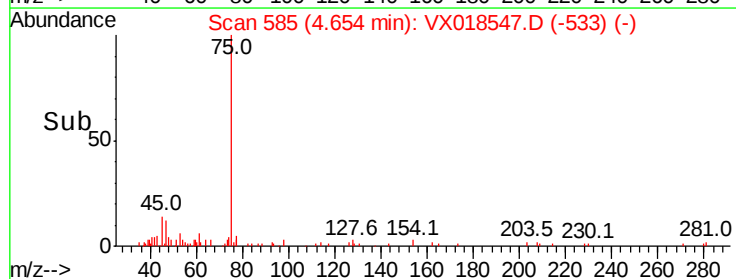
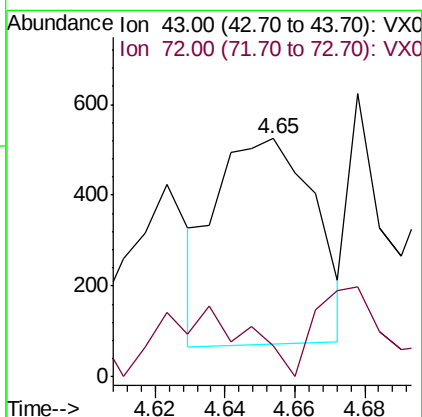
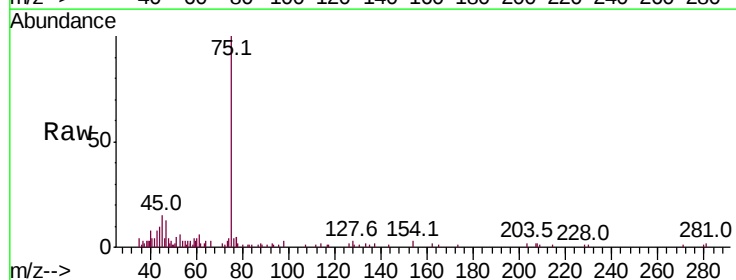
Instrument :
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ClientSampleId :
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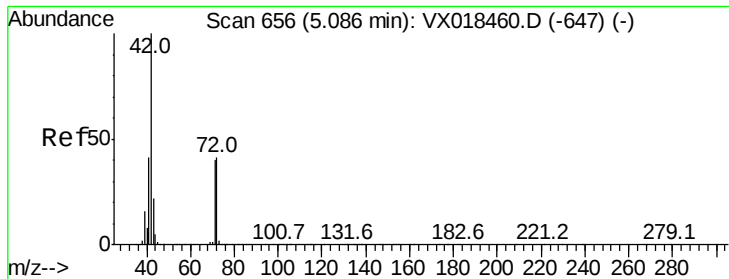
Tot Ion: 84 Resp: 1365
Ion Ratio Lower Upper
84 100
49 73.2 100.6 151.0#
51 36.8 30.9 46.3
86 52.9 53.5 80.3#



#25
2-Butanone
Concen: 0.224 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.07 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

COMPACTOR-ELECTRICAL-SERVI

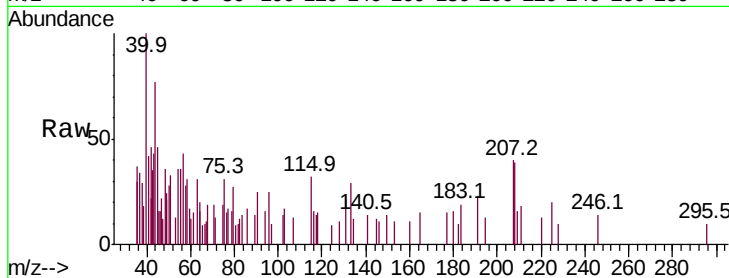
Tot Ion: 42 Resp: 610

Ion Ratio Lower Upper

42 100

72 0.0 34.3 51.5#

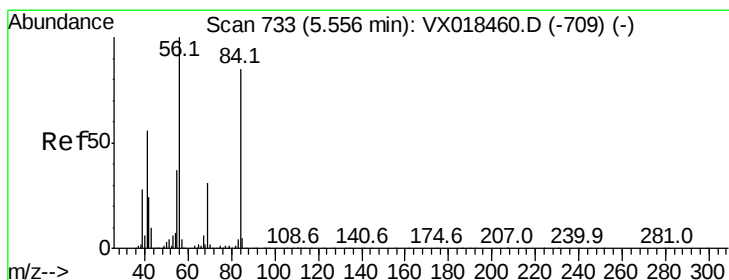
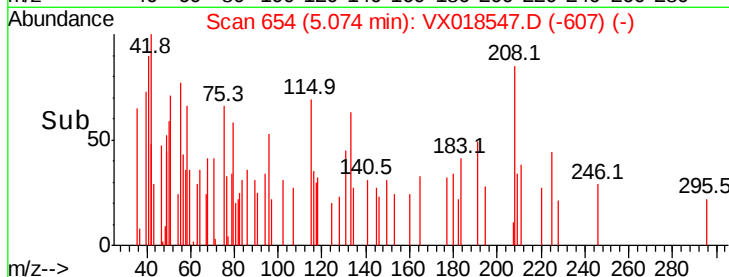
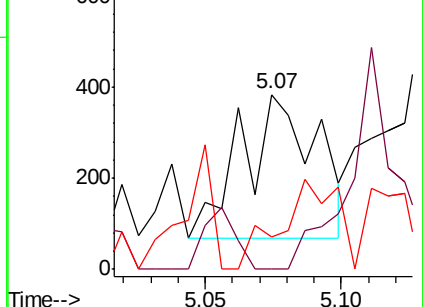
71 46.4 32.1 48.1



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



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

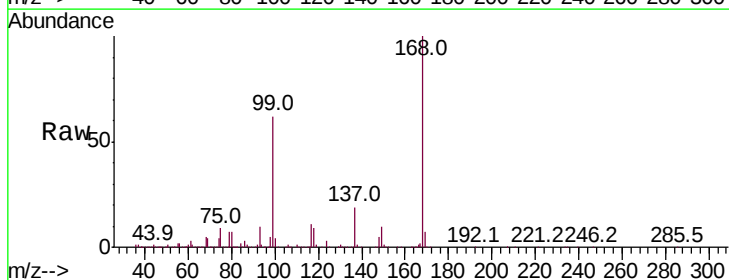
Tgt Ion: 56 Resp: 10261

Ion Ratio Lower Upper

56 100

69 173.7 24.8 37.2#

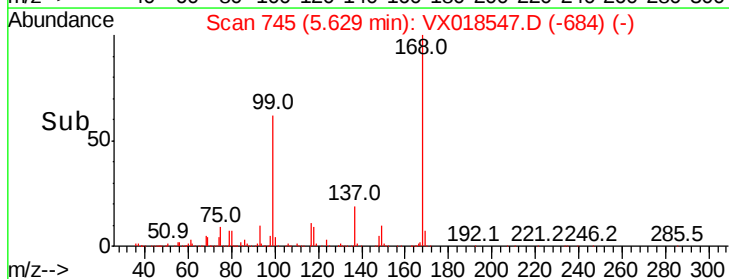
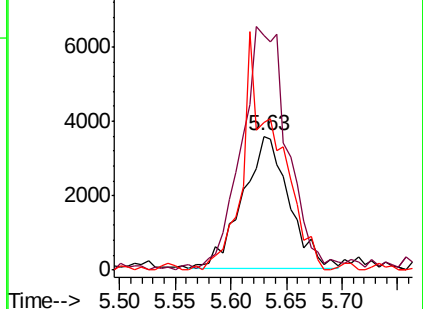
84 111.9 67.6 101.4#

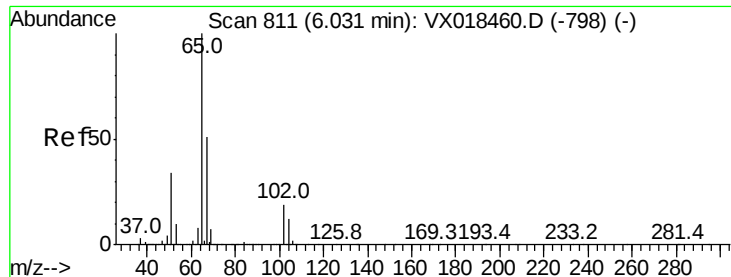


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.698 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

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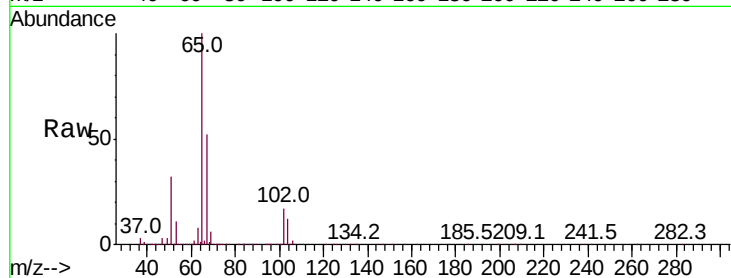
COMPACTOR-ELECTRICAL-SERVI

Tot Ion: 65 Resp: 337412

Ion Ratio Lower Upper

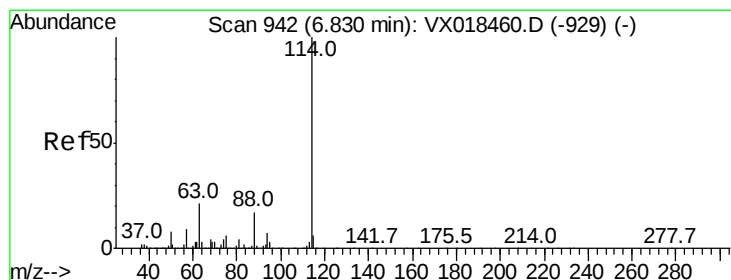
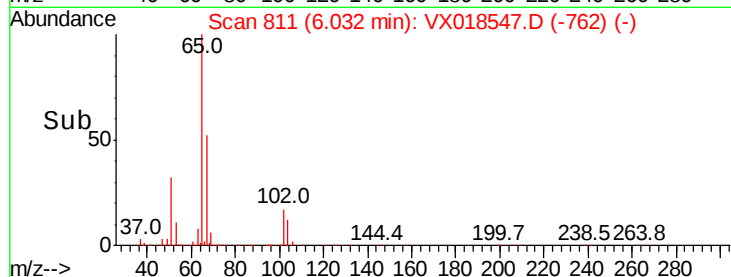
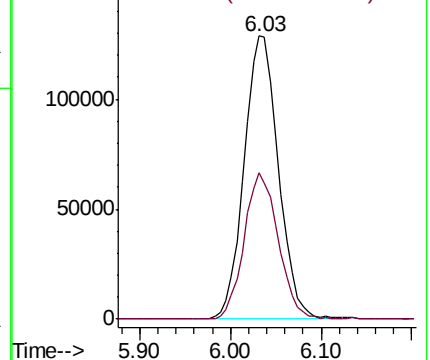
65 100

67 51.0 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: VX018547.D

Acq: 23 Sep 2020 20:15

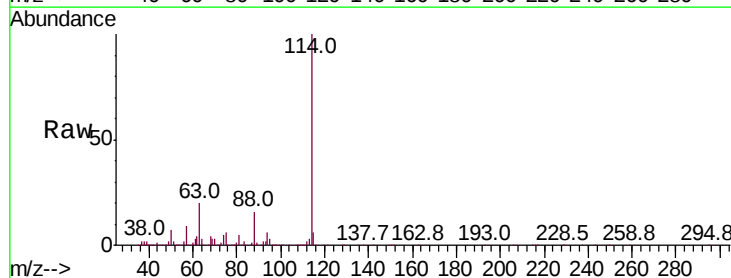
Tgt Ion: 114 Resp: 757516

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

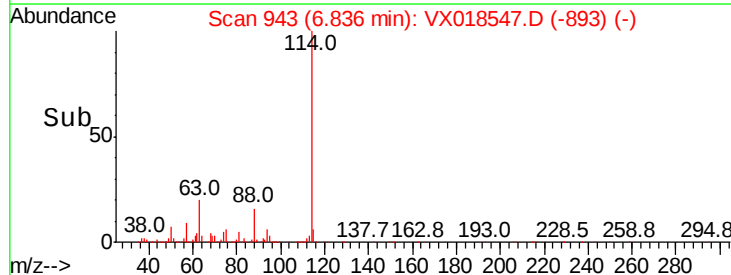
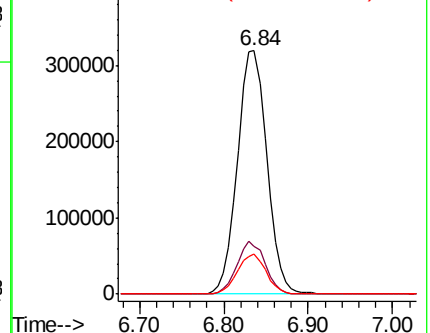
88 16.2 0.0 33.6

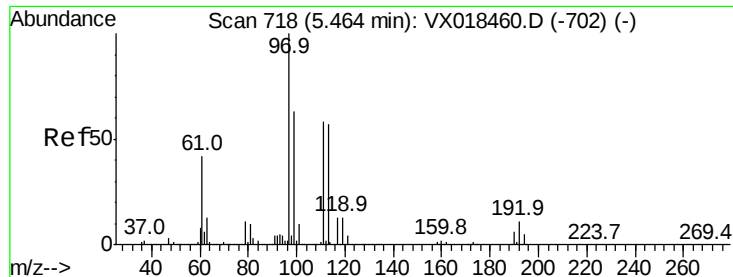


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.614 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

COMPACTOR-ELECTRICAL-SERVI

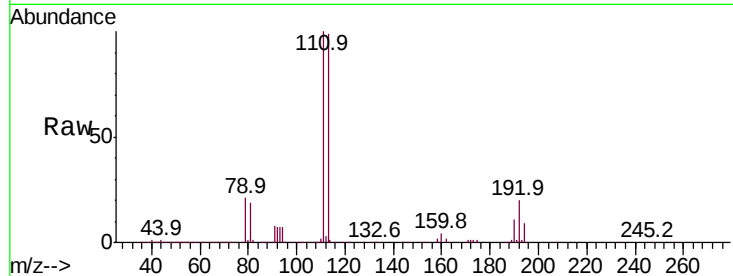
Tot Ion:113 Resp: 259818

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.2

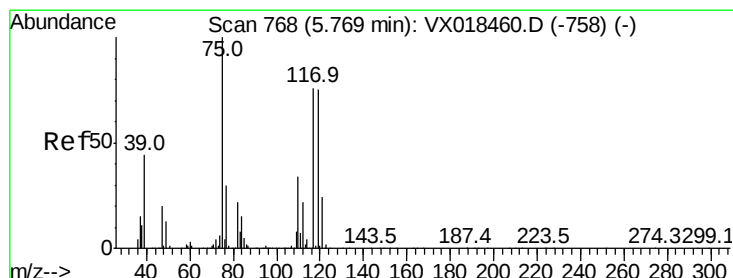
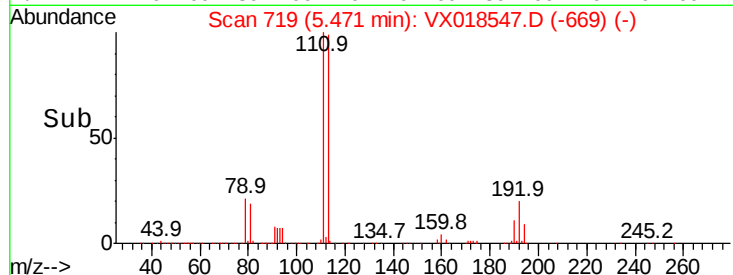
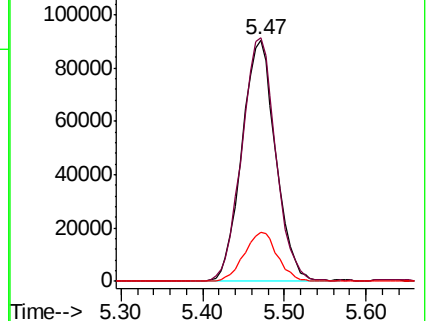
192 20.2 16.6 24.8



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: 5.060 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

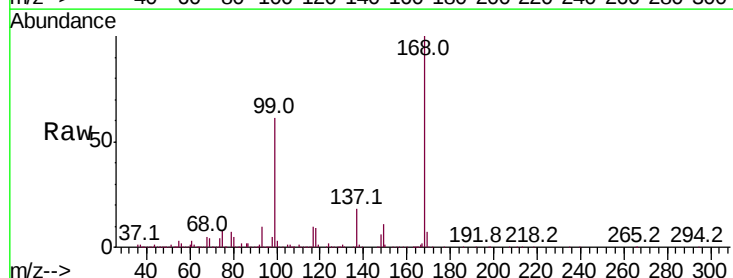
Tgt Ion: 75 Resp: 37202

Ion Ratio Lower Upper

75 100

110 9.8 17.6 52.8#

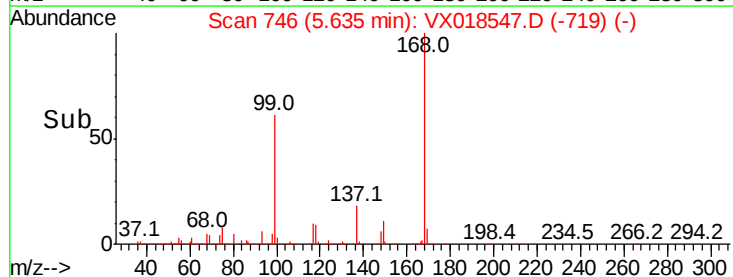
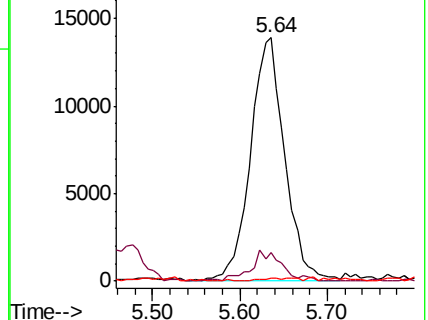
77 0.0 25.0 37.6#

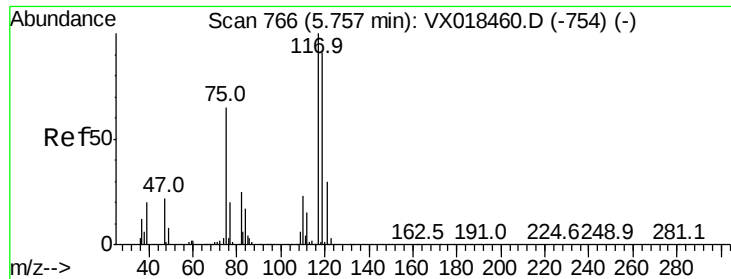


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.110 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

COMPACTOR-ELECTRICAL-SERVI

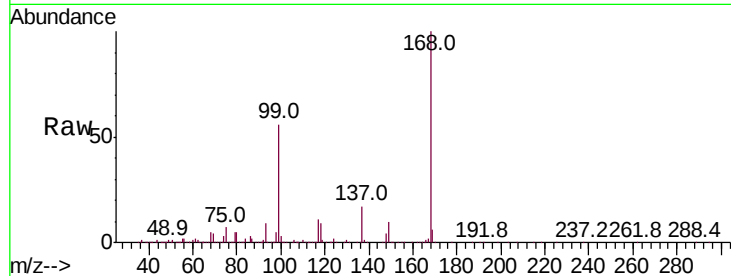
Tot Ion:117 Resp: 49754

Ion Ratio Lower Upper

117 100

119 5.7 72.3 108.5#

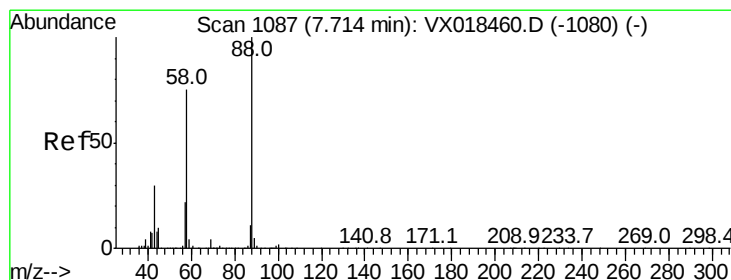
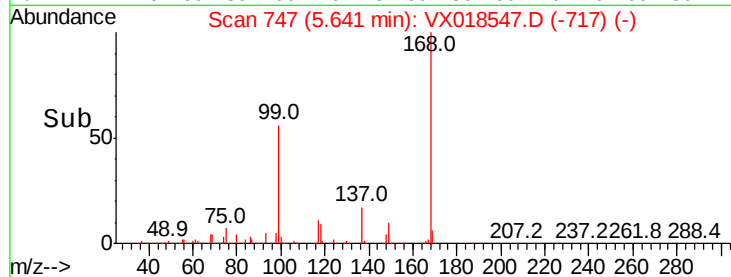
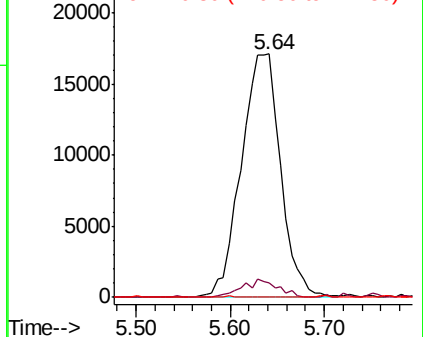
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.355 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

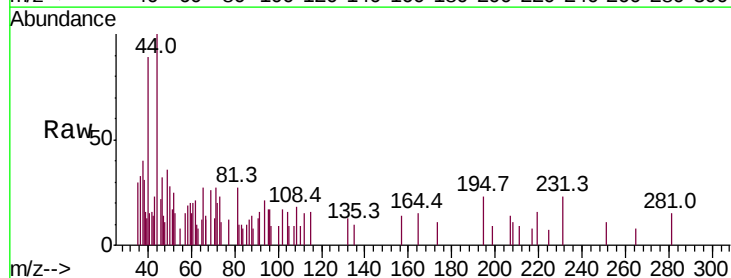
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 185.2 29.9 44.9#

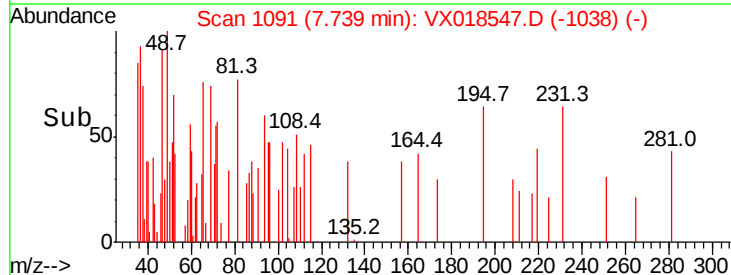
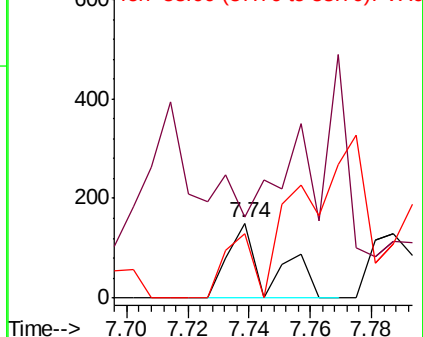
58 0.0 59.0 88.6#

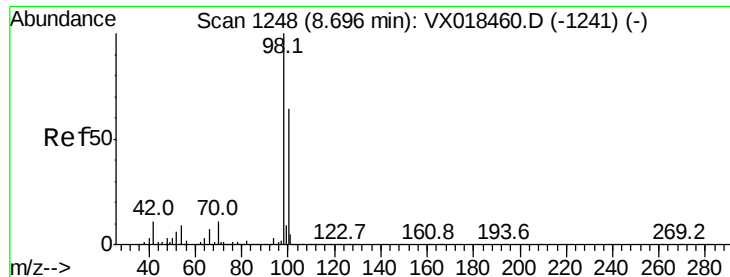


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.838 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

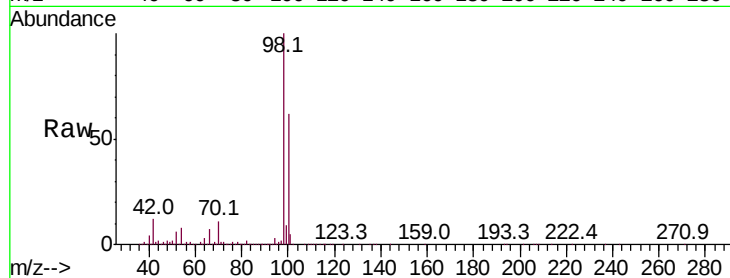
COMPACTOR-ELECTRICAL-SERVI

Tot Ion: 98 Resp: 929247

Ion Ratio Lower Upper

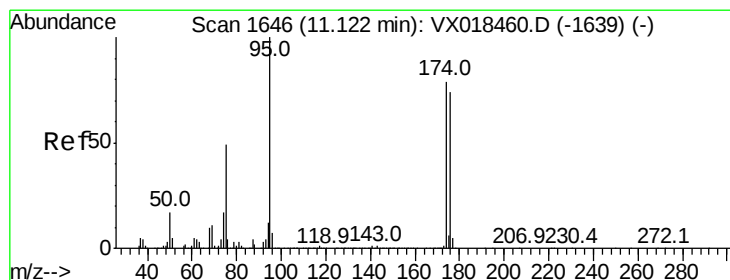
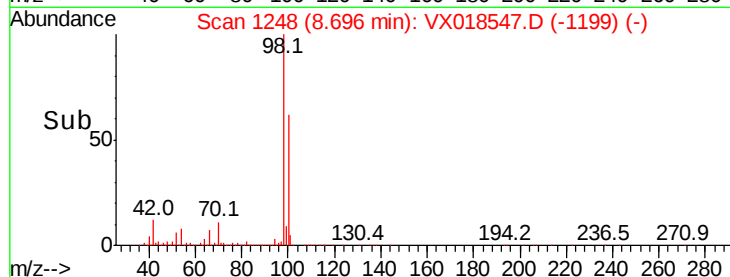
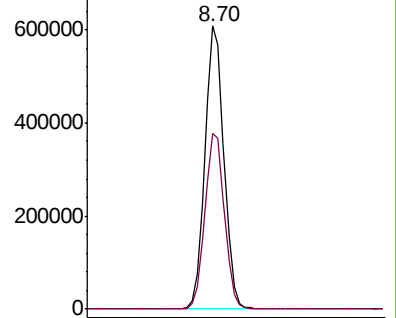
98 100

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



#62

4-Bromofluorobenzene

Concen: 46.461 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

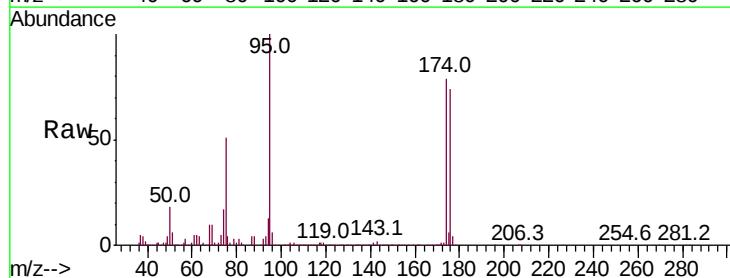
Tgt Ion: 95 Resp: 351643

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.4

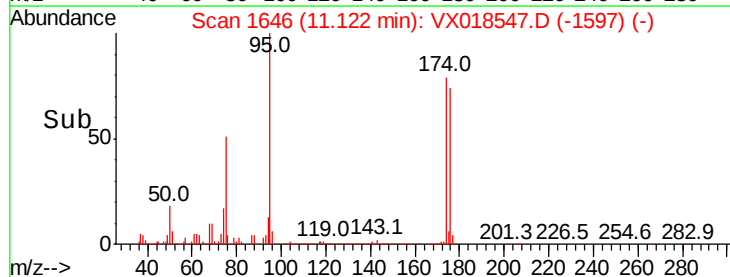
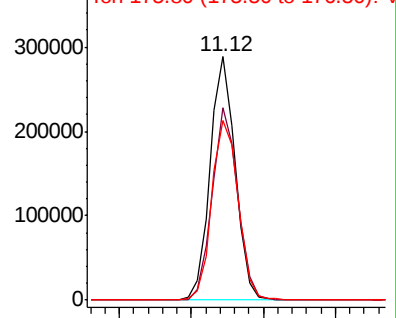
176 77.5 0.0 151.4

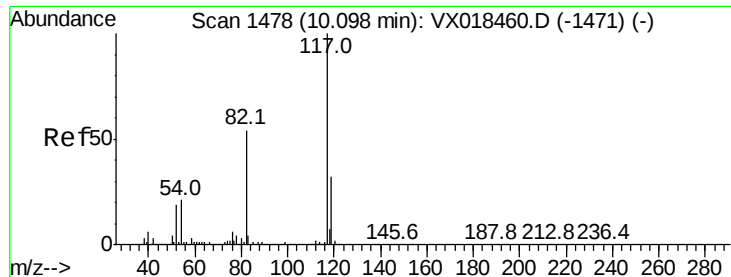


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

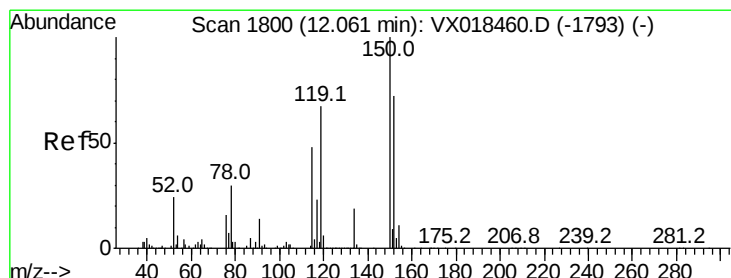
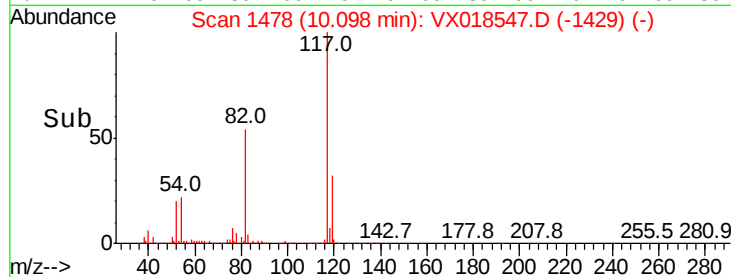
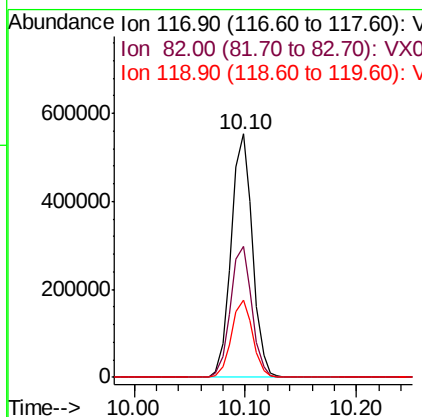
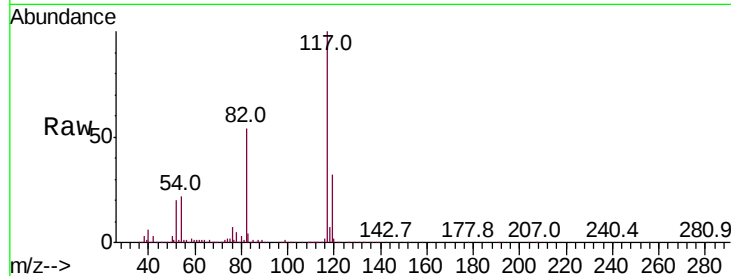




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

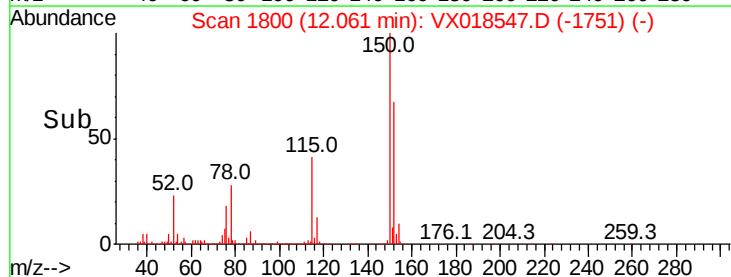
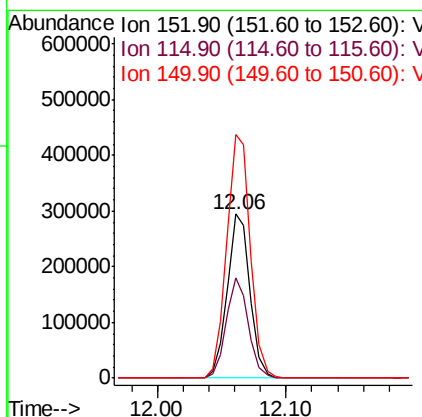
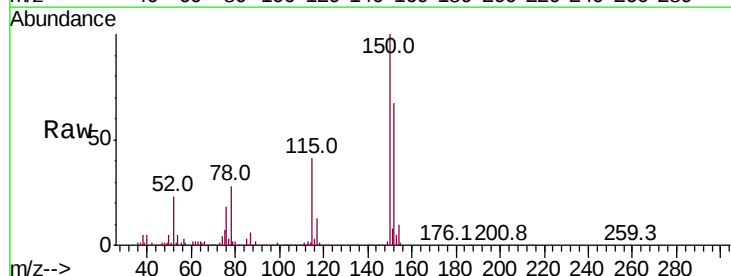
Instrument :
MSVOA_X
ClientSampleId :
COMPACTOR-ELECTRICAL-SERVI

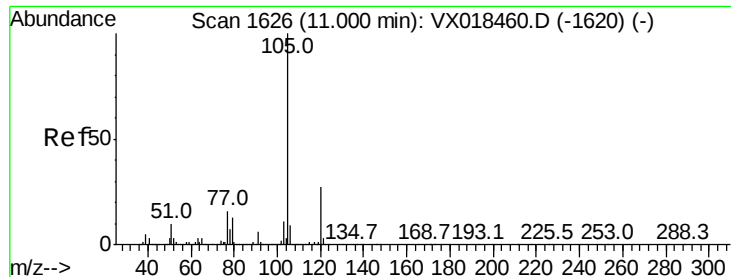
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.3	64.9
119	31.7	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018547.D
Acq: 23 Sep 2020 20:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	41.8	125.4
150	153.8	0.0	342.4





#73

Isopropylbenzene

Concen: 1.408 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

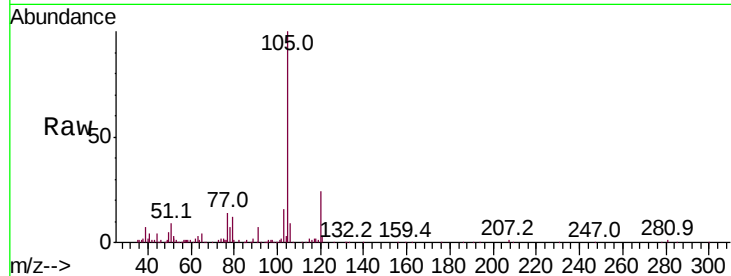
COMPACTOR-ELECTRICAL-SERVI

Tot Ion:105 Resp: 34421

Ion Ratio Lower Upper

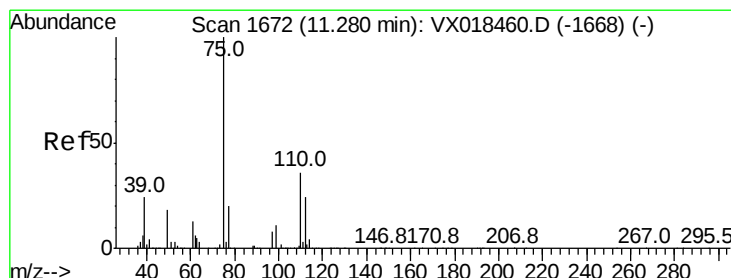
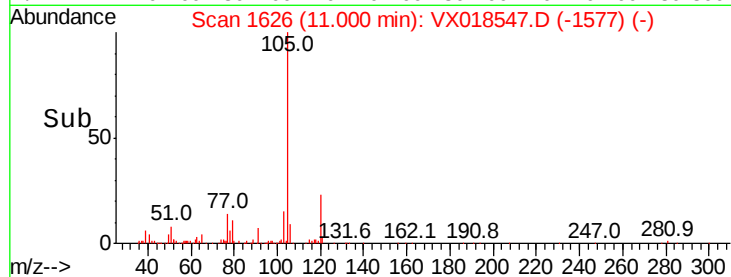
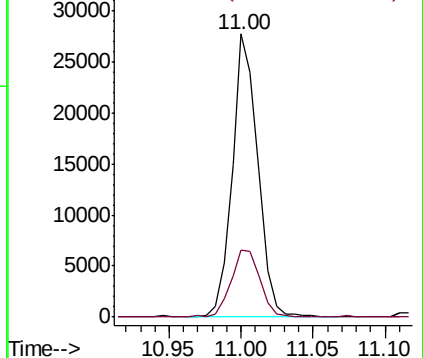
105 100

120 27.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 23.467 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018547.D

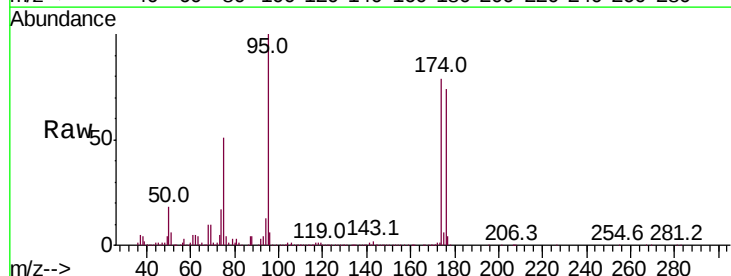
Acq: 23 Sep 2020 20:15

Tgt Ion: 75 Resp: 180458

Ion Ratio Lower Upper

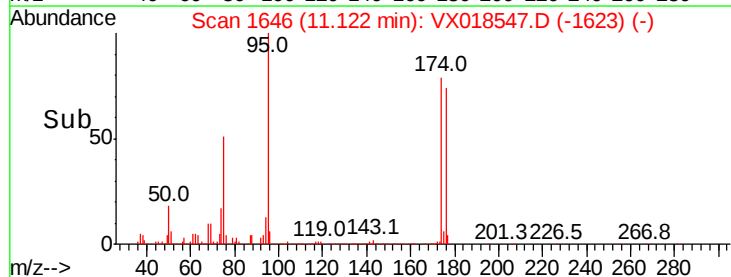
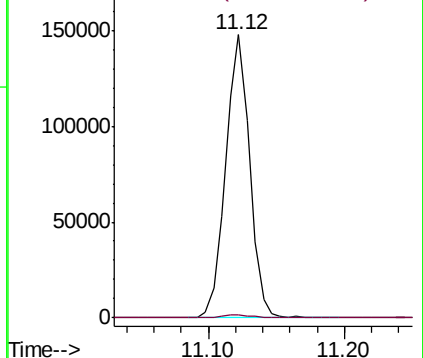
75 100

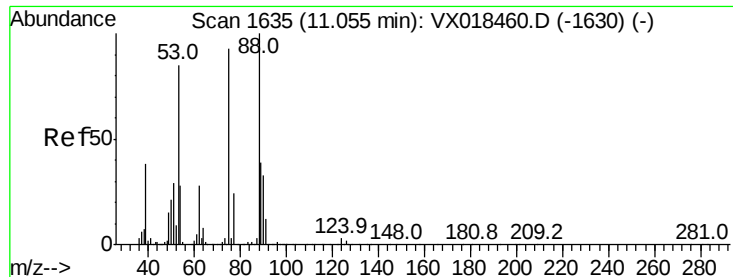
77 1.3 20.9 62.7#



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: 60.133 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

COMPACTOR-ELECTRICAL-SERVI

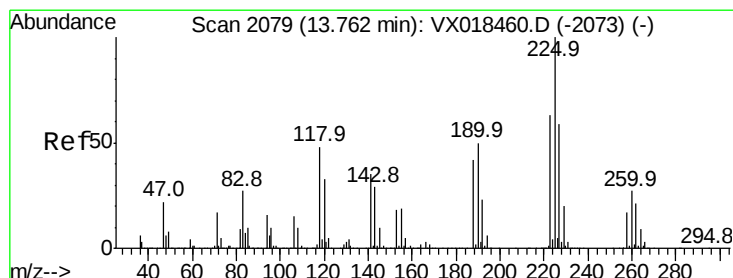
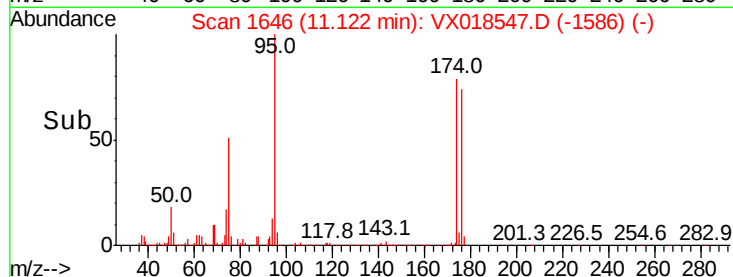
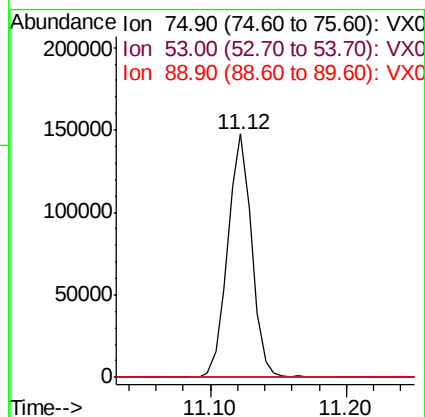
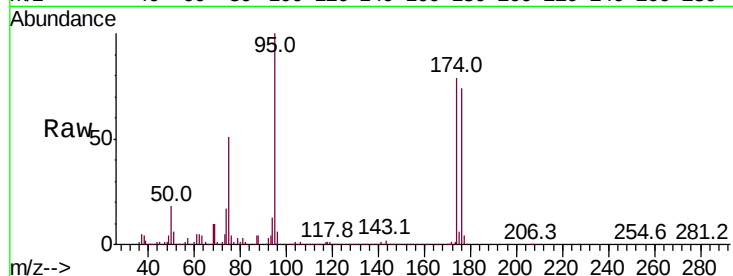
Tot Ion: 75 Resp: 180458

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.0 36.2 54.4#



#94

Hexachlorobutadiene

Concen: 0.205 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX018547.D

Acq: 23 Sep 2020 20:15

Tgt Ion: 225 Resp: 681

Ion Ratio Lower Upper

225 100

223 40.2 32.0 96.2

227 48.3 31.7 95.1

