

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\
 Data File : VX018322.D
 Acq On : 09 Sep 2020 15:07
 Operator : JC/SP
 Sample : PB131488ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#11

Quant Time: Sep 10 07:05:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	433639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	706664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	334381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	320157	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	5.47	113	245402	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	8.70	98	899830	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.12	95	334649	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

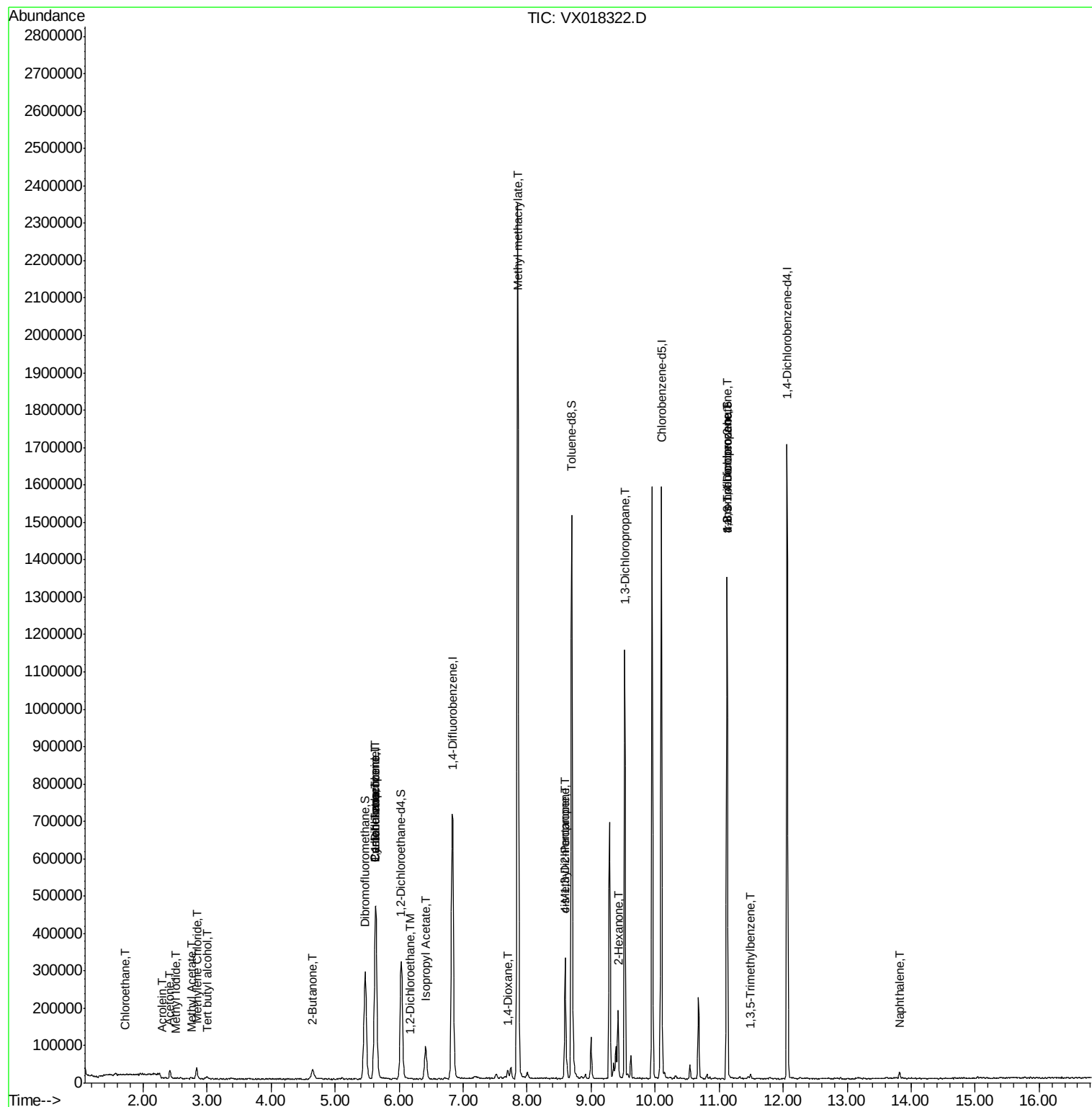
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	695	0.234	ug/l #	53
10) Methyl Iodide	2.51	142	406	5.370	ug/l #	44
11) Tert butyl alcohol	3.00	59	3574	3.053	ug/l #	88
13) Acrolein	2.29	56	345	0.711	ug/l #	14
16) Acetone	2.42	43	22894	9.760	ug/l #	85
18) Methyl Acetate	2.76	43	5171	0.914	ug/l #	90
20) Methylene Chloride	2.84	84	14347	1.867	ug/l #	88
25) 2-Butanone	4.65	43	7752	2.011	ug/l	92
31) Cyclohexane	5.62	56	11055	1.534	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	34502	5.293	ug/l #	54
38) Carbon Tetrachloride	5.64	117	45752	6.229	ug/l #	18
42) 1,2-Dichloroethane	6.18	62	1805	0.246	ug/l	96
43) Isopropyl Acetate	6.42	43	119578	9.780	ug/l	99
48) Methyl methacrylate	7.85	41	203196	33.383	ug/l #	44
49) 1,4-Dioxane	7.70	88	201	1.823	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	120783	15.992	ug/l #	49
54) cis-1,3-Dichloropropene	8.59	75	49636	5.833	ug/l #	66
57) 1,3-Dichloropropane	9.52	76	9027	1.057	ug/l #	46
59) 2-Hexanone	9.42	43	114564	19.948	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	173250	23.291	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	6080	0.335	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.12	75	173250	62.906	ug/l #	12
95) Naphthalene	13.82	128	10636	0.481	ug/l	99

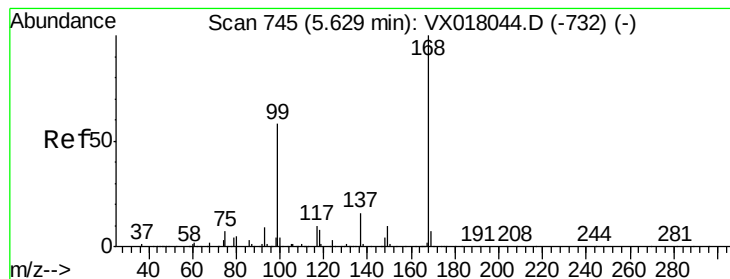
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\
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Instrument :
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ClientSampleId :
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Quant Time: Sep 10 07:05:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

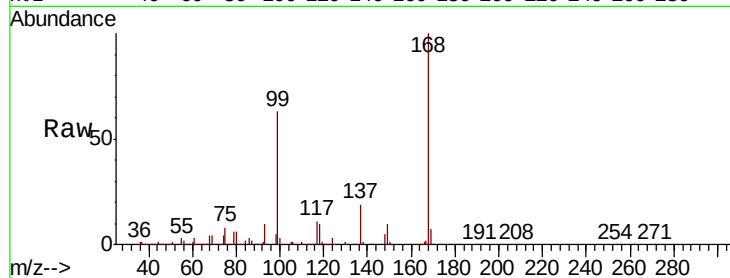
PB131488ZHE#11

Tot Ion:168 Resp: 433639

Ion Ratio Lower Upper

168 100

99 62.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

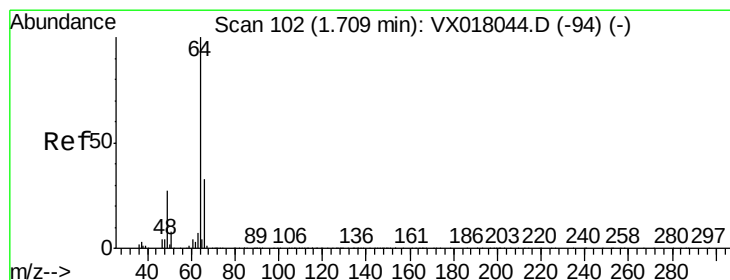
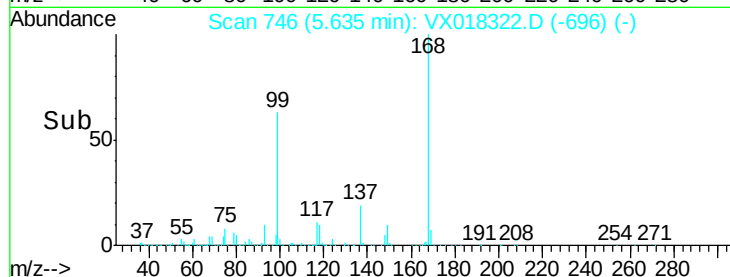
100000

50000

0

5.50 5.60 5.70

Time-->



#6

Chloroethane

Concen: 0.234 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX018322.D

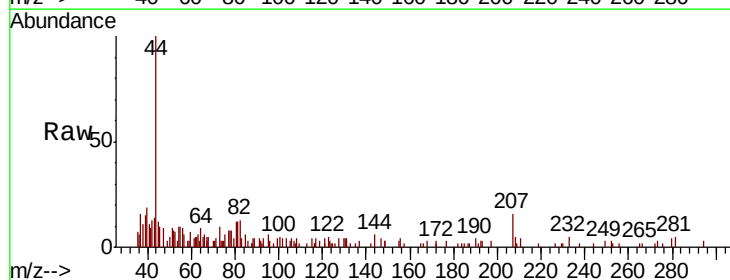
Acq: 09 Sep 2020 15:07

Tgt Ion: 64 Resp: 695

Ion Ratio Lower Upper

64 100

66 6.6 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

400

300

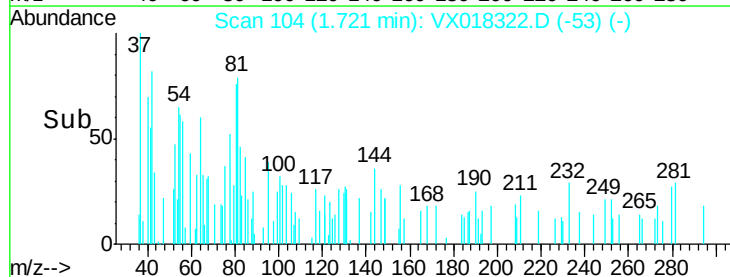
200

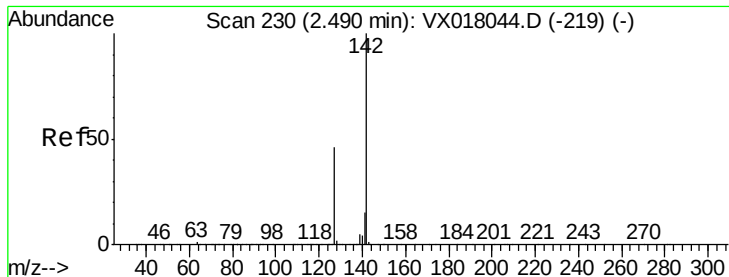
100

0

1.70 1.75

Time-->

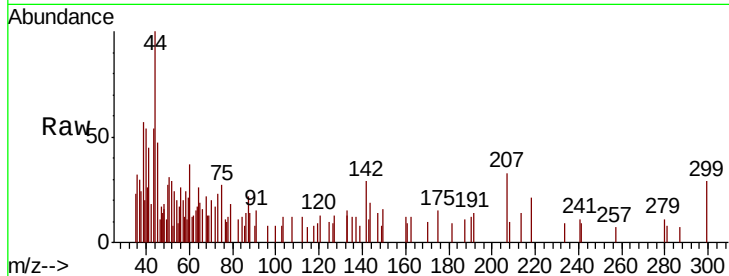




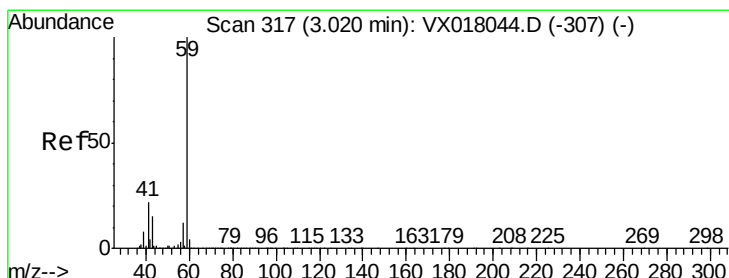
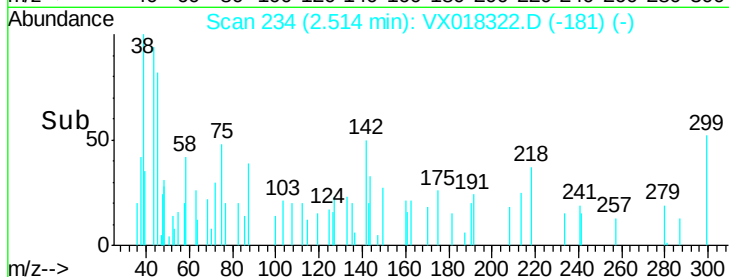
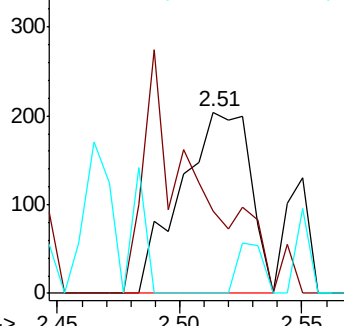
#10
Methyl Iodide
Concen: 5.370 ug/l
RT: 2.51 min Scan# 234
Delta R.T. 0.02 min
Lab File: VX018322.D
Acq: 09 Sep 2020 15:07

Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#11

Tot Ion:142 Resp: 406
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 10.1 11.5 17.3#

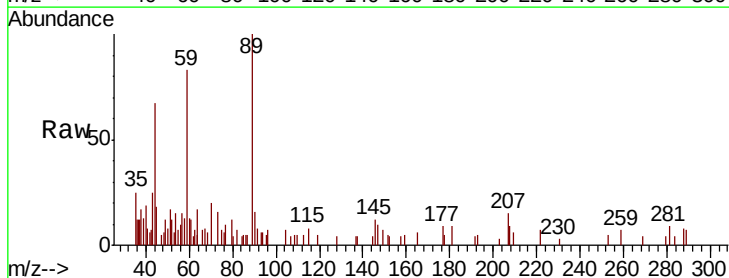


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

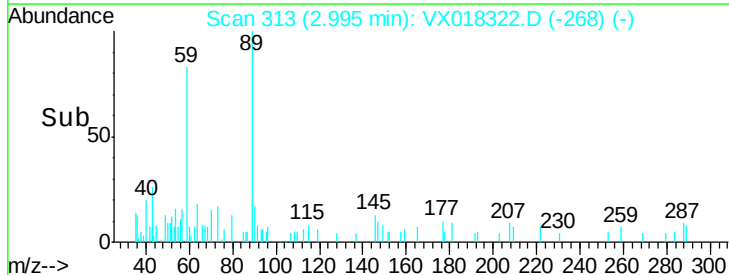
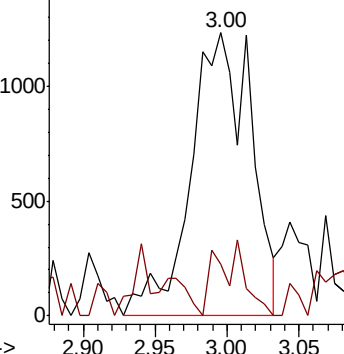


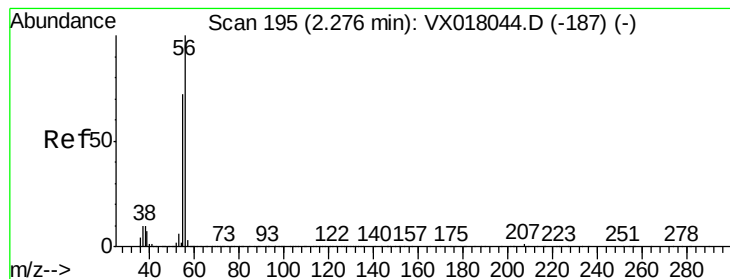
#11
Tert butyl alcohol
Concen: 3.053 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018322.D
Acq: 09 Sep 2020 15:07

Tgt Ion: 59 Resp: 3574
Ion Ratio Lower Upper
59 100
57 6.6 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.711 ug/l

RT: 2.29 min Scan# 198

Delta R.T. 0.02 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

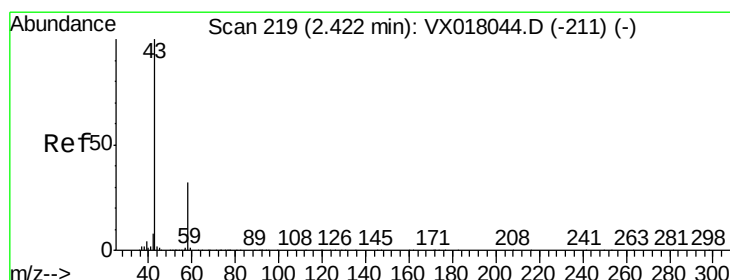
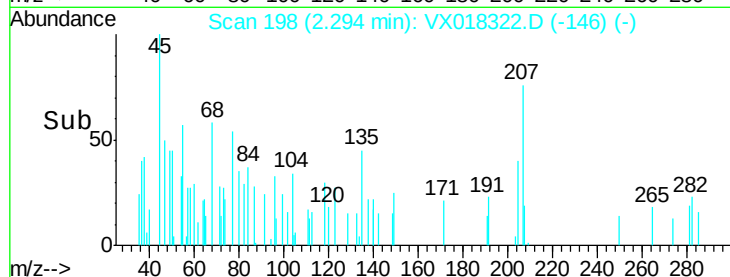
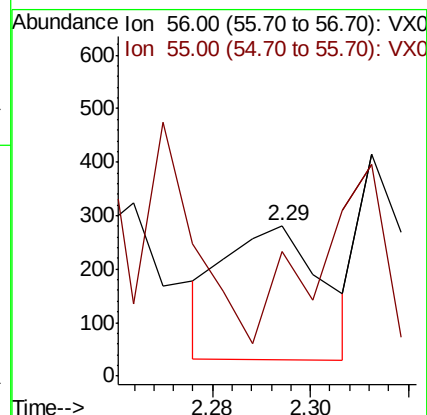
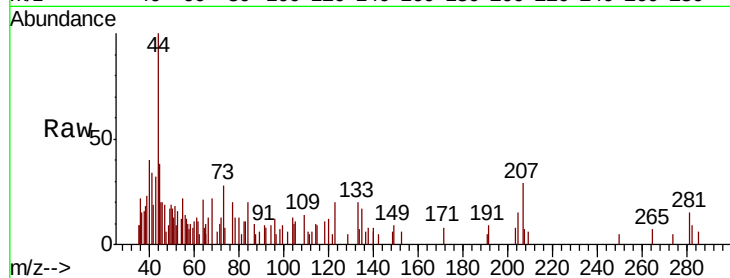
PB131488ZHE#11

Tot Ion: 56 Resp: 345

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 9.760 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018322.D

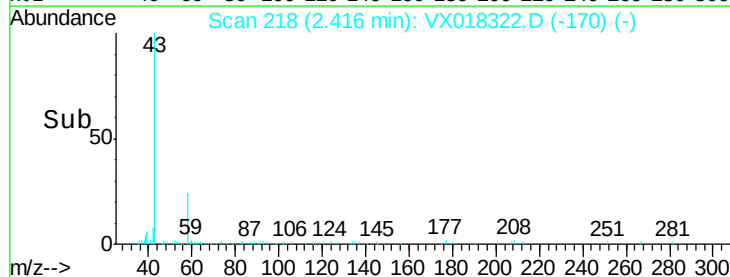
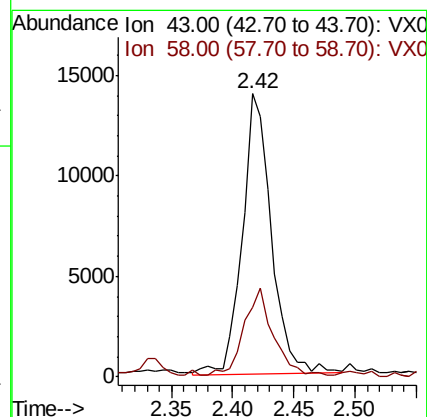
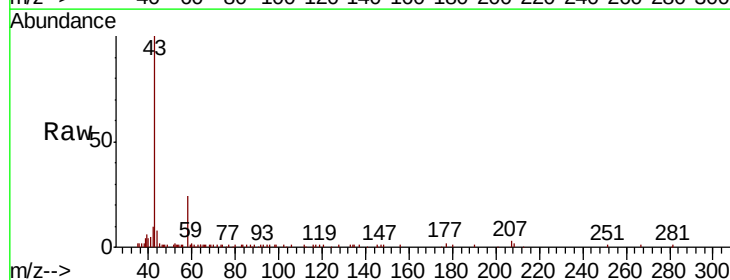
Acq: 09 Sep 2020 15:07

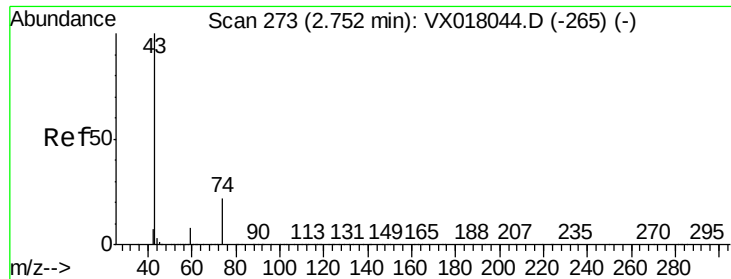
Tgt Ion: 43 Resp: 22894

Ion Ratio Lower Upper

43 100

58 23.4 25.5 38.3#

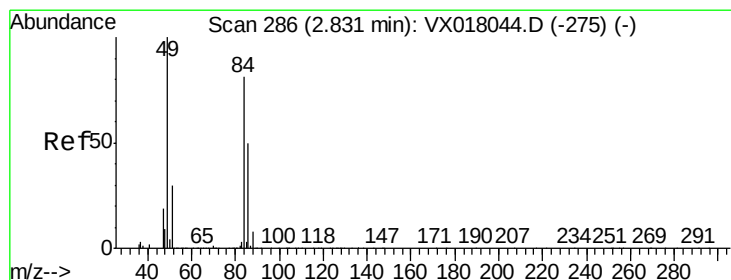
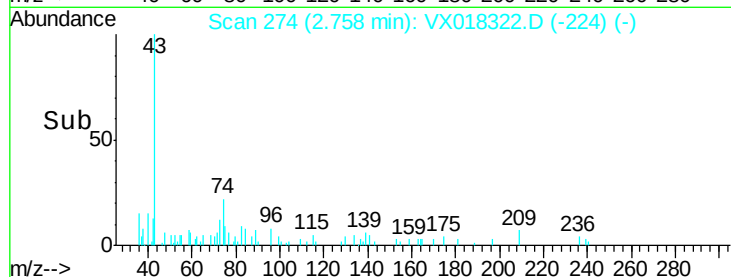
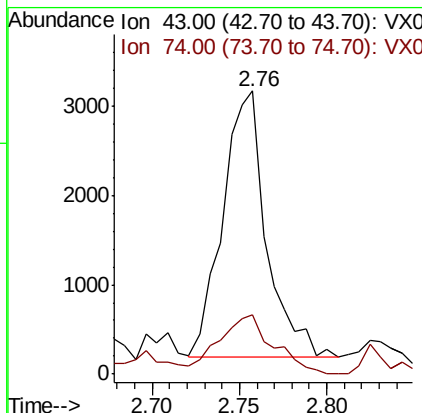
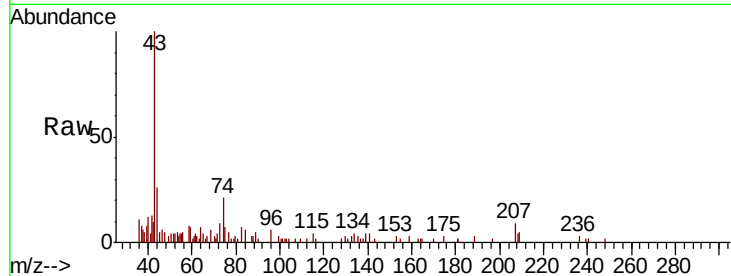




#18
Methyl Acetate
Concen: 0.914 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX018322.D
Acq: 09 Sep 2020 15:07

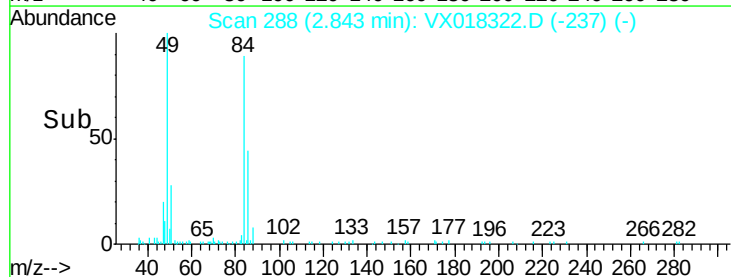
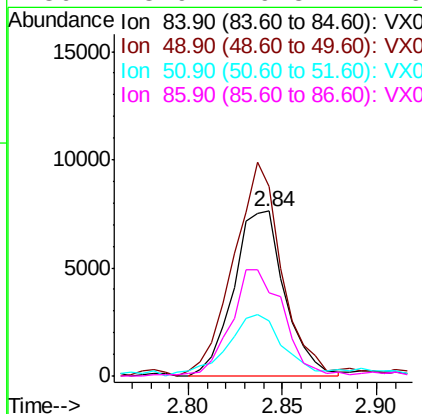
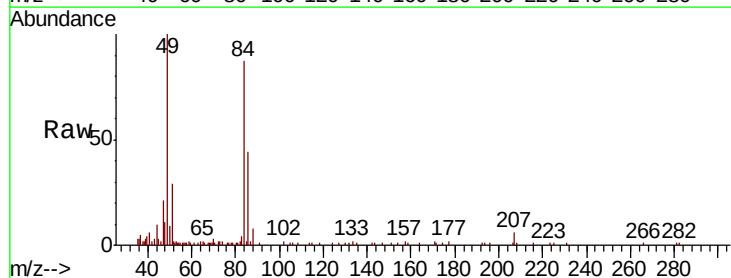
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#11

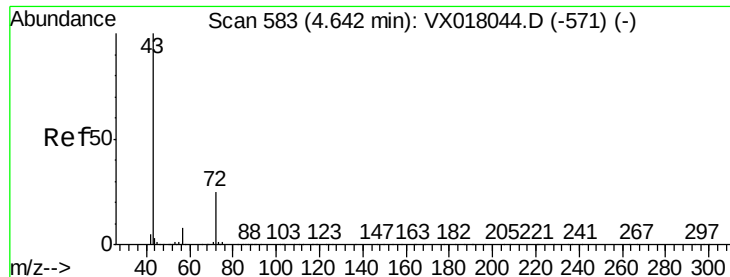
Tot Ion: 43 Resp: 5171
Ion Ratio Lower Upper
43 100
74 27.8 18.2 27.4#



#20
Methylene Chloride
Concen: 1.867 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018322.D
Acq: 09 Sep 2020 15:07

Tgt Ion: 84 Resp: 14347
Ion Ratio Lower Upper
84 100
49 111.6 98.6 148.0
51 30.0 29.6 44.4
86 48.9 49.8 74.6#





#25

2-Butanone

Concen: 2.011 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

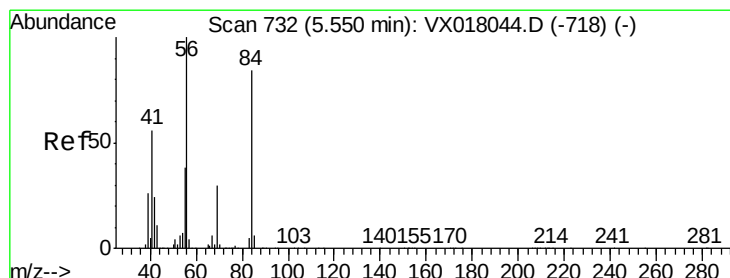
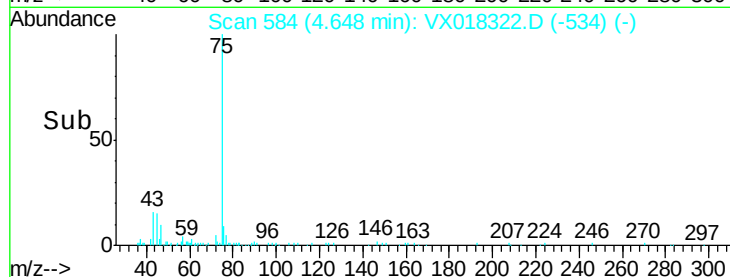
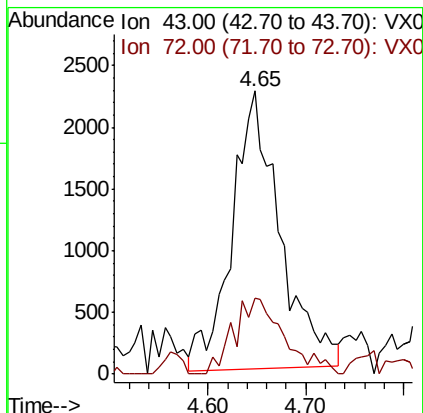
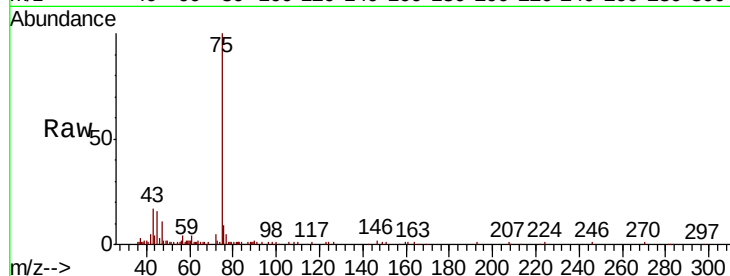
PB131488ZHE#11

Tot Ion: 43 Resp: 7752

Ion Ratio Lower Upper

43 100

72 28.8 19.8 29.6



#31

Cyclohexane

Concen: 1.534 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

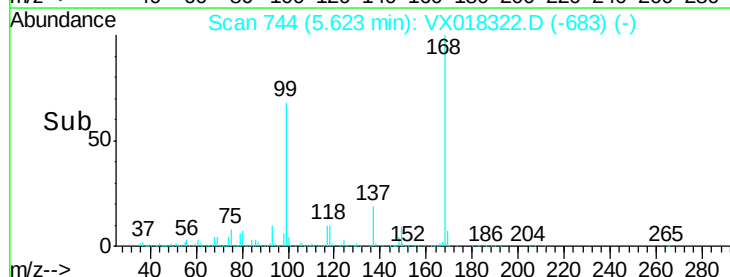
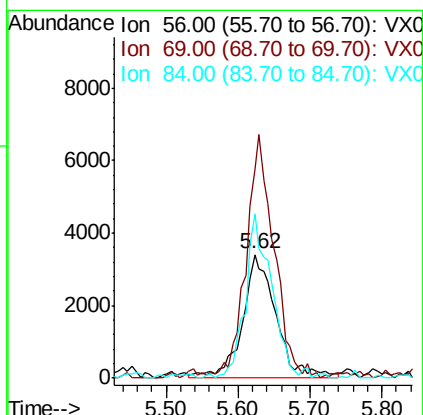
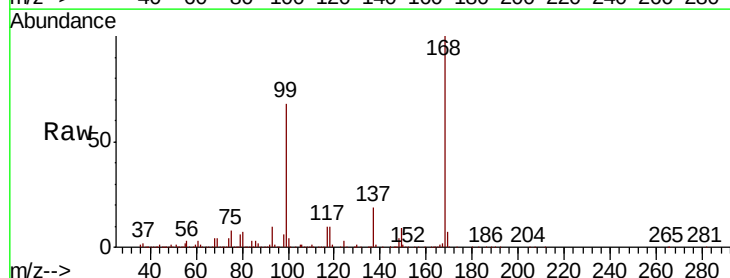
Tgt Ion: 56 Resp: 11055

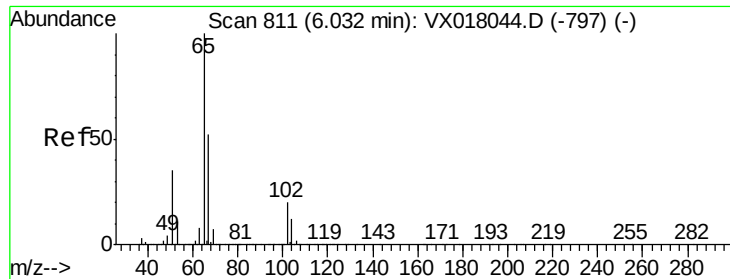
Ion Ratio Lower Upper

56 100

69 169.5 23.9 35.9#

84 133.6 67.0 100.4#





#33

1,2-Dichloroethane-d4

Concen: 53.182 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

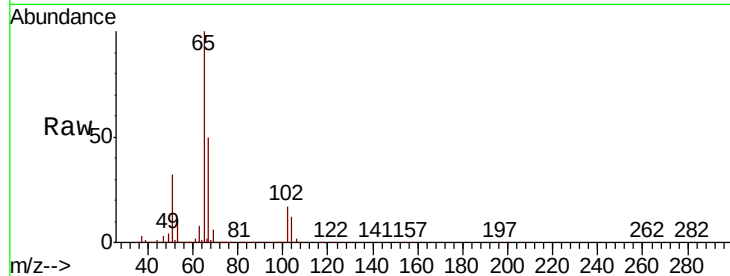
PB131488ZHE#11

Tot Ion: 65 Resp: 320157

Ion Ratio Lower Upper

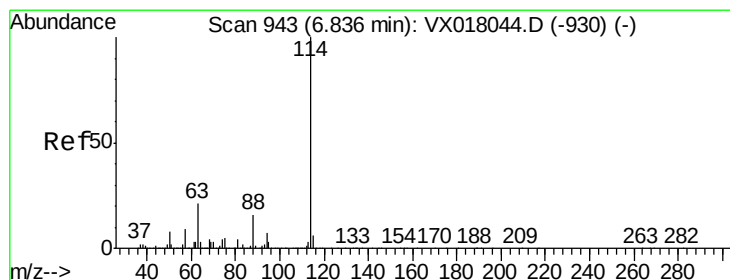
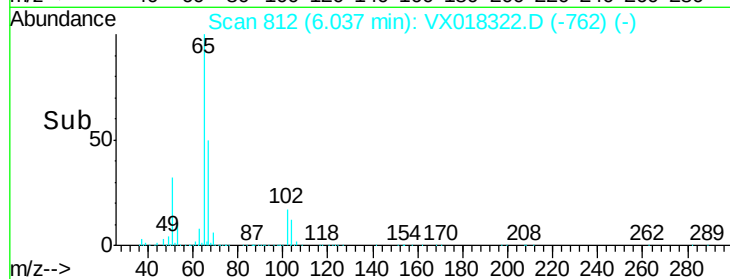
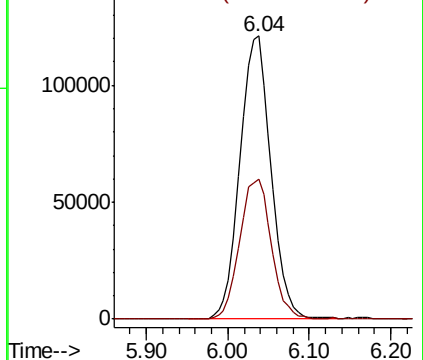
65 100

67 50.6 0.0 105.8



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. -0.01 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

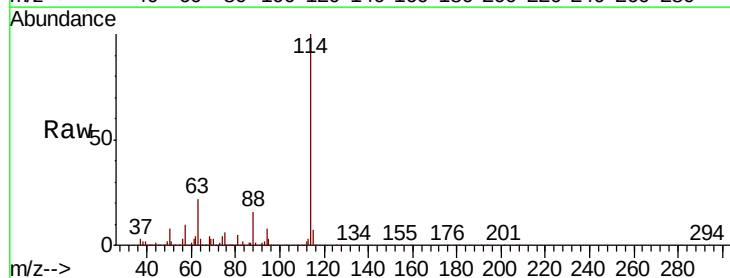
Tgt Ion: 114 Resp: 706664

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

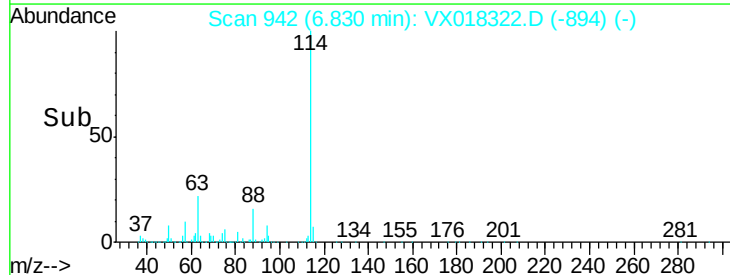
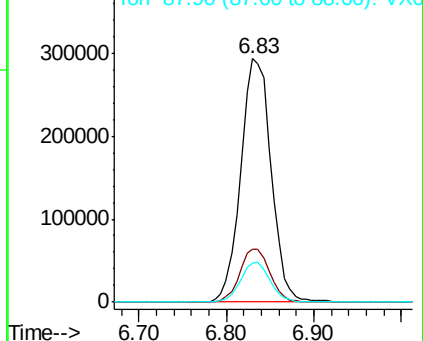
88 16.0 0.0 31.8

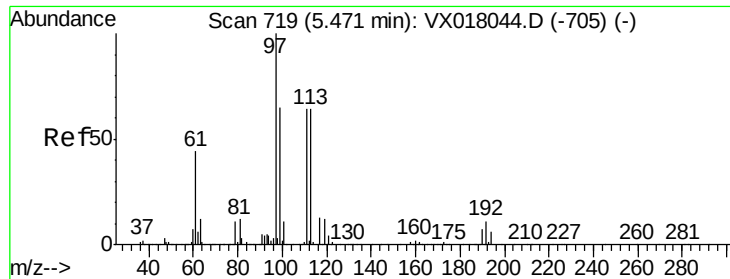


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

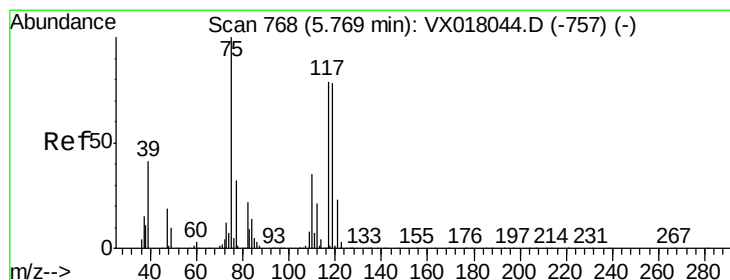
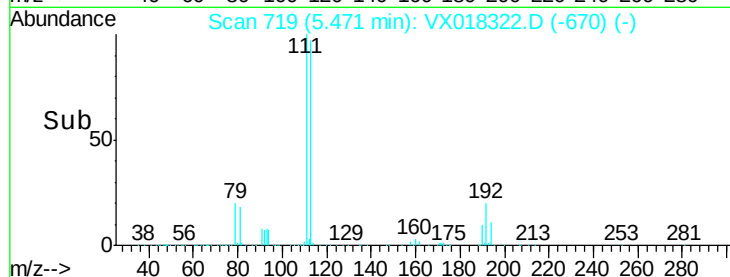
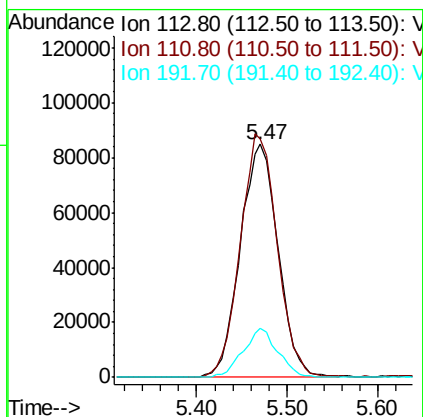
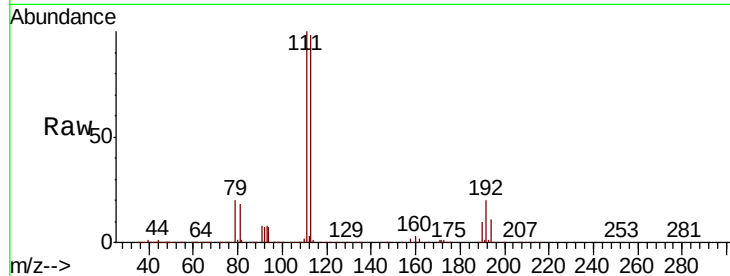




#35
 Dibromofluoromethane
 Concen: 50.990 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

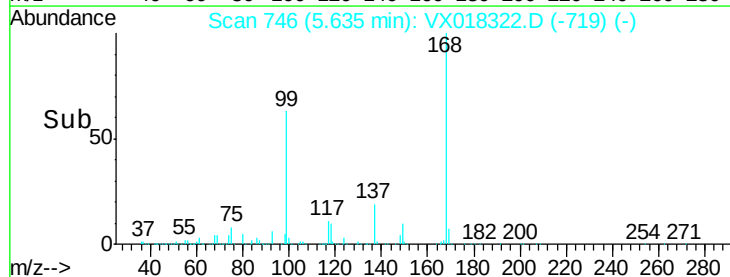
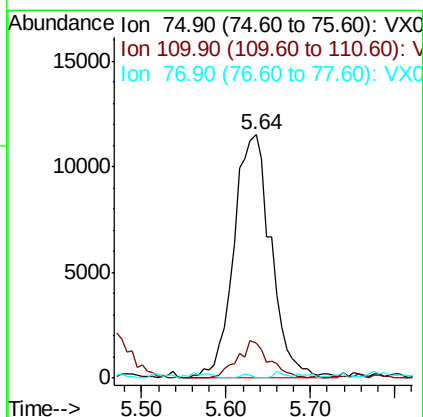
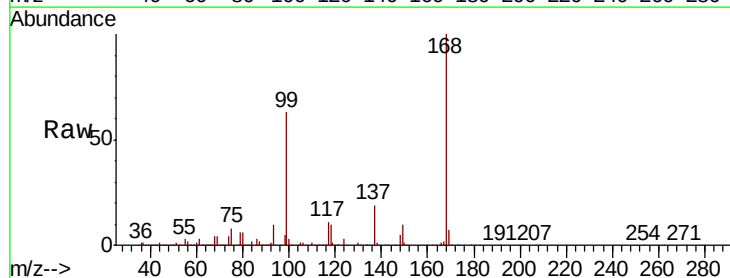
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#11

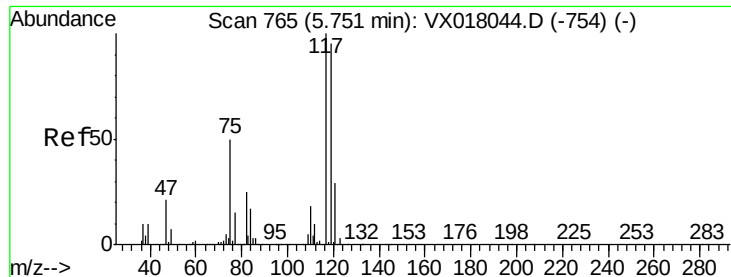
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.6	122.4
192	19.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.293 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.0	18.0	54.0#
77	0.4	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.229 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#11

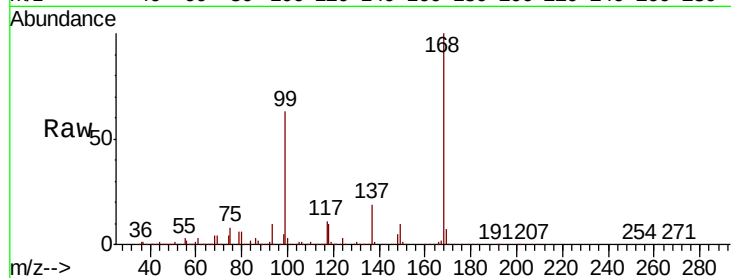
Tot Ion:117 Resp: 45752

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

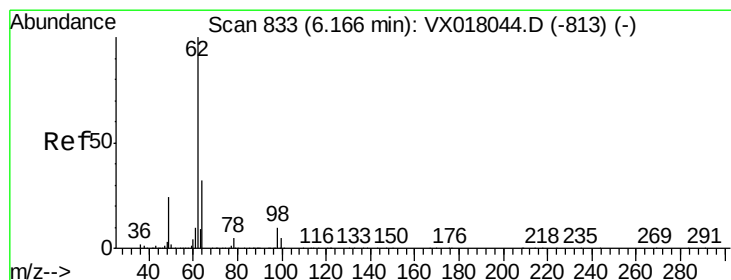
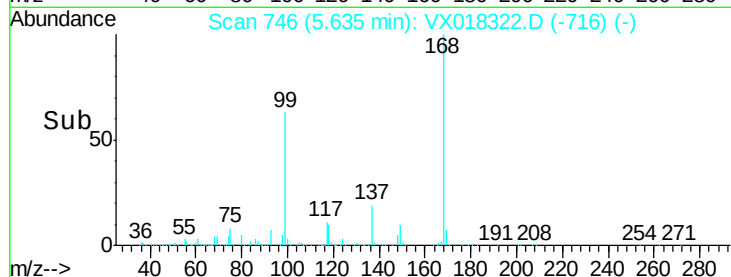
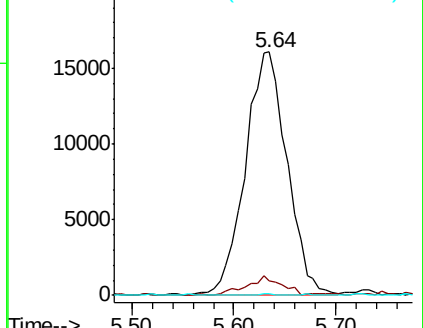
121 0.9 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.246 ug/l

RT: 6.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX018322.D

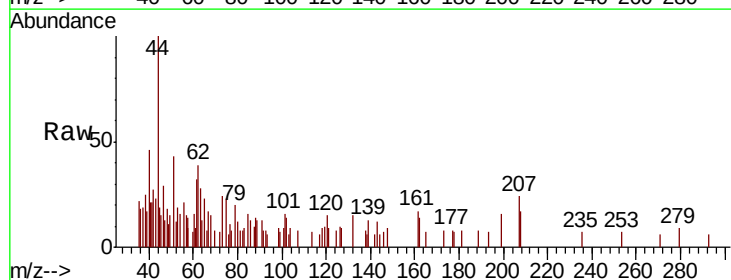
Acq: 09 Sep 2020 15:07

Tgt Ion: 62 Resp: 1805

Ion Ratio Lower Upper

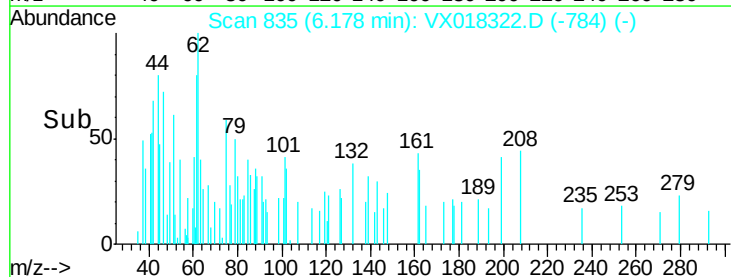
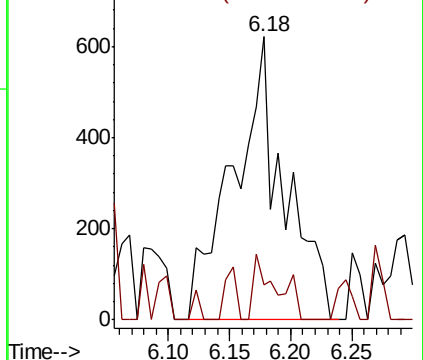
62 100

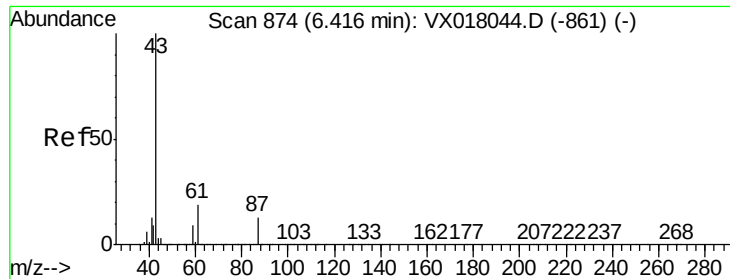
98 10.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 9.780 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#11

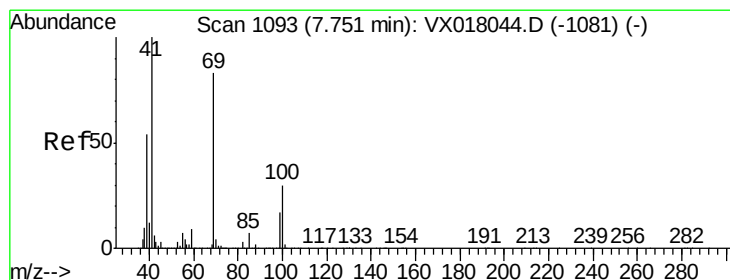
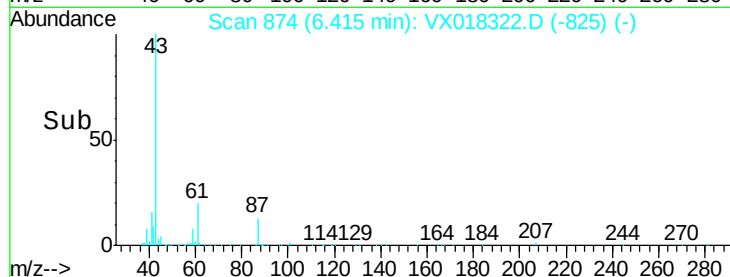
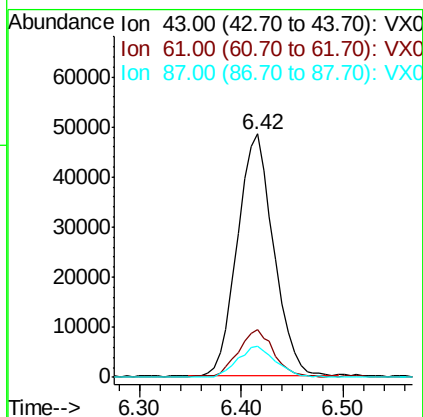
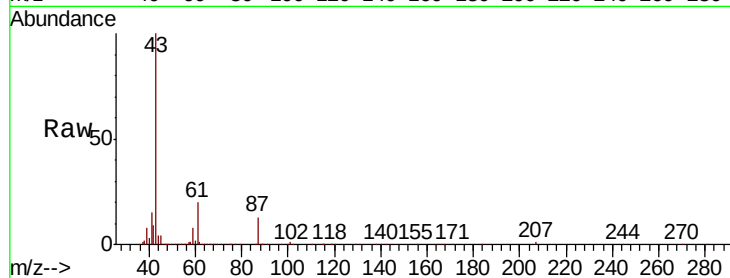
Tot Ion: 43 Resp: 119578

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

87 13.5 10.3 15.5



#48

Methyl methacrylate

Concen: 33.383 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

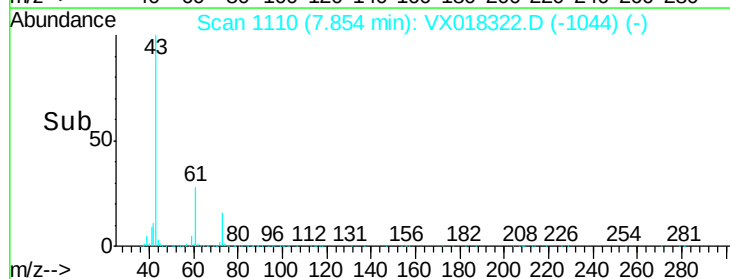
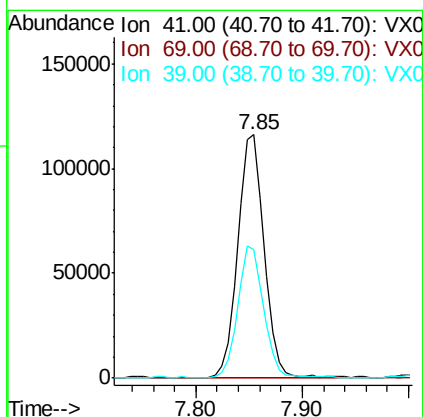
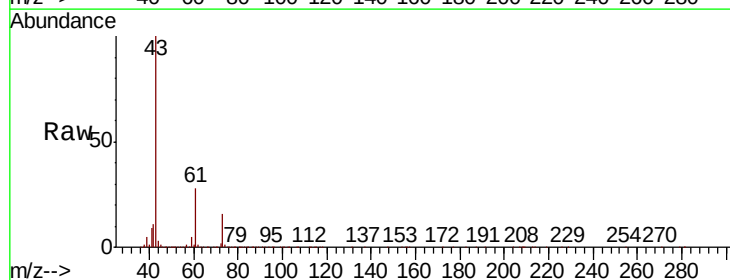
Tgt Ion: 41 Resp: 203196

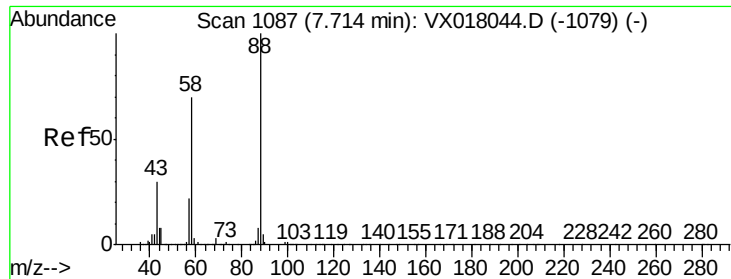
Ion Ratio Lower Upper

41 100

69 0.1 65.5 98.3#

39 52.4 44.5 66.7





#49

1,4-Dioxane

Concen: 1.823 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#11

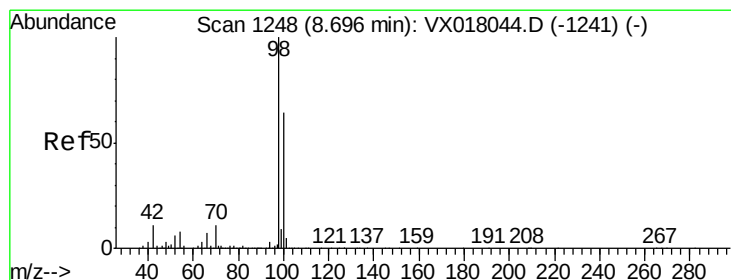
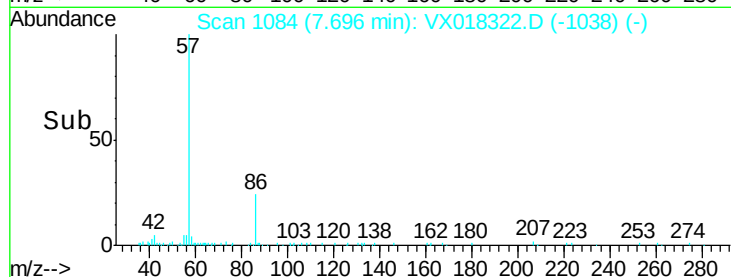
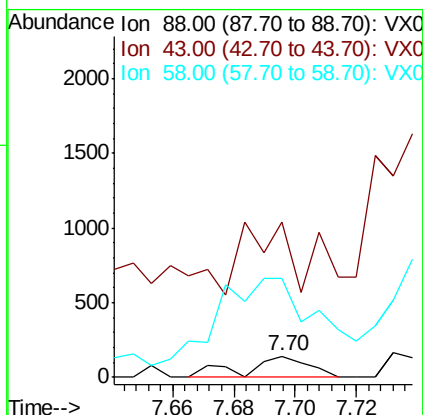
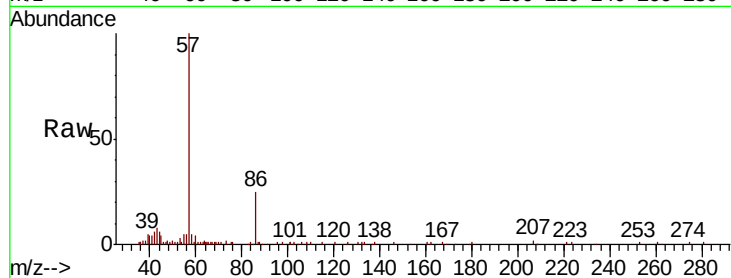
Tot Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 738.3 56.4 84.6#



#50

Toluene-d8

Concen: 50.199 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018322.D

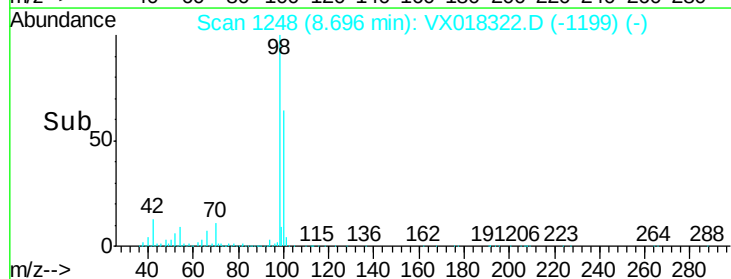
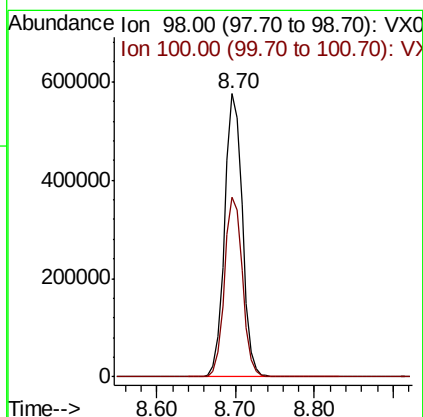
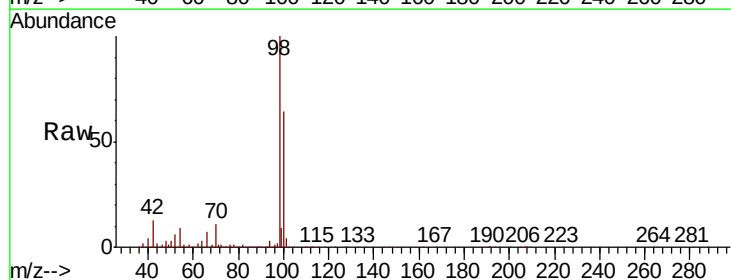
Acq: 09 Sep 2020 15:07

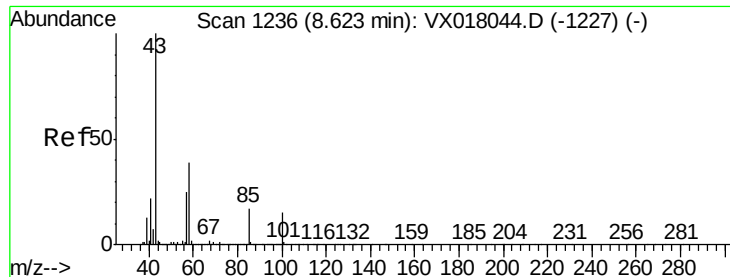
Tgt Ion: 98 Resp: 899830

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4

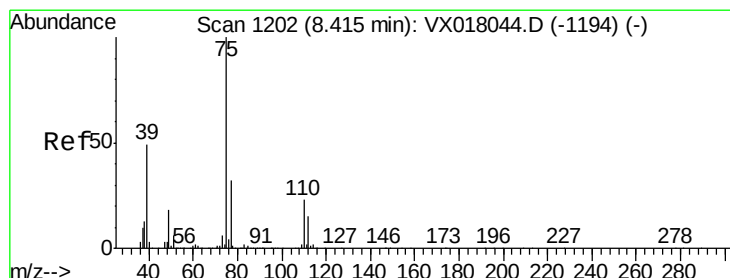
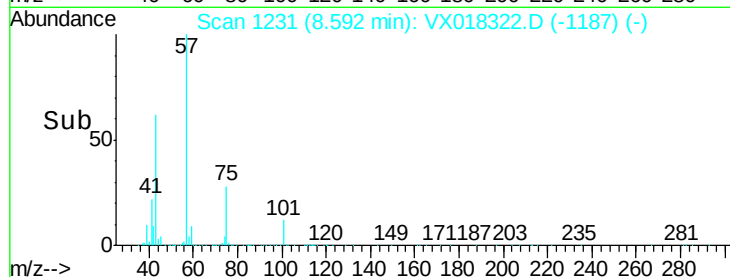
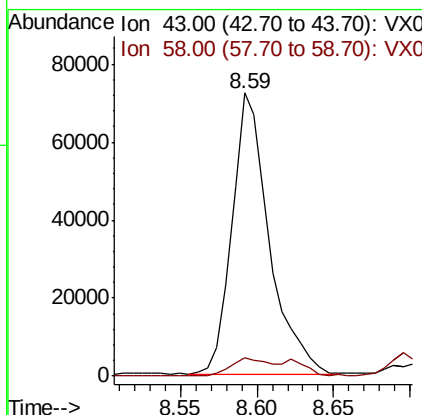
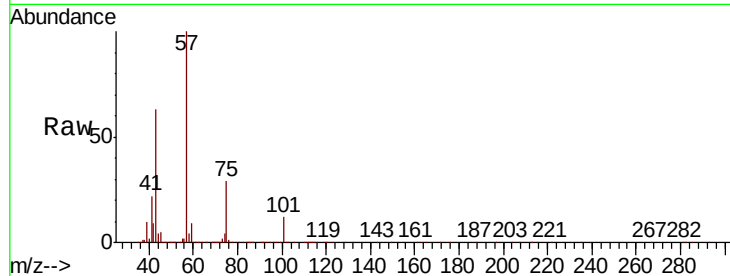




#51
 4-Methyl-2-Pentanone
 Concen: 15.992 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

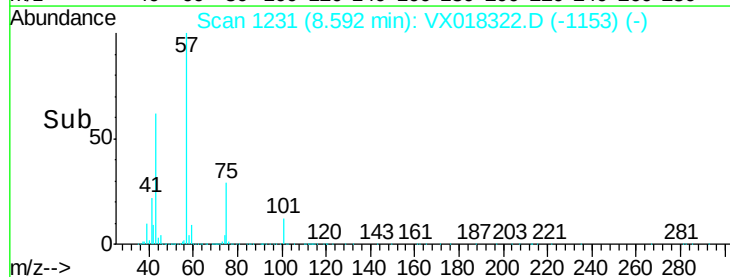
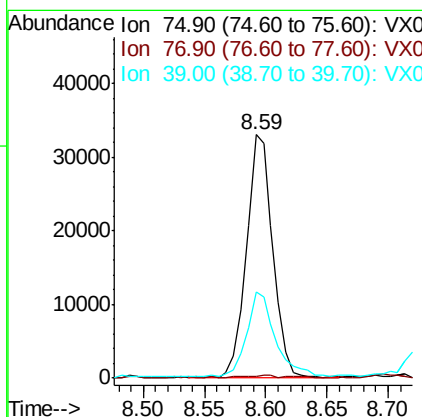
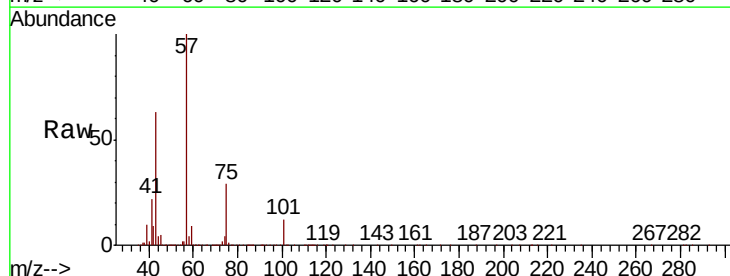
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#11

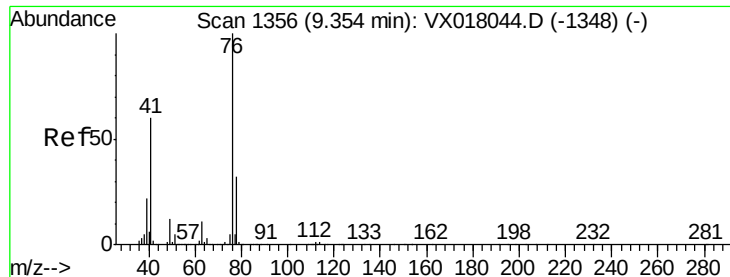
Tot Ion: 43 Resp: 120783
 Ion Ratio Lower Upper
 43 100
 58 7.7 30.7 46.1#



#54
 cis-1,3-Dichloropropene
 Concen: 5.833 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

Tgt Ion: 75 Resp: 49636
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.8 38.8#
 39 34.9 38.8 58.2#

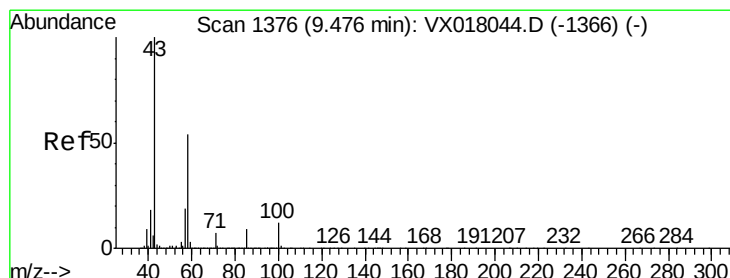
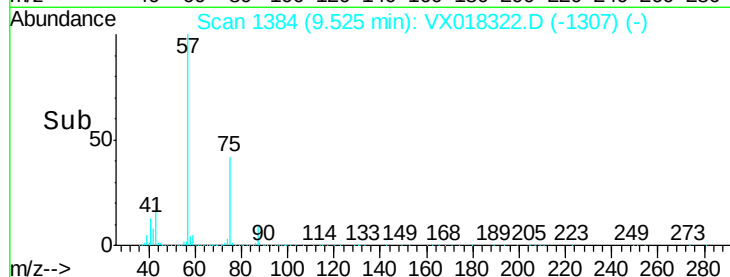
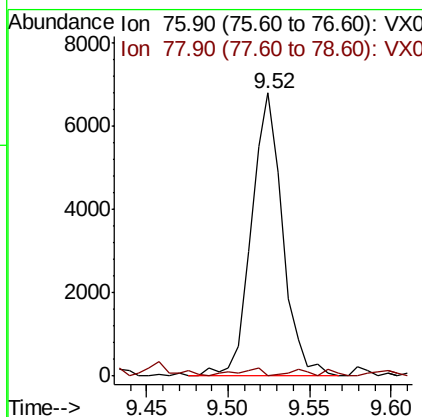
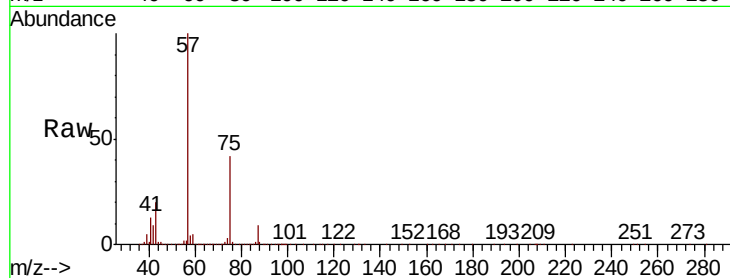




#57
 1,3-Dichloropropane
 Concen: 1.057 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

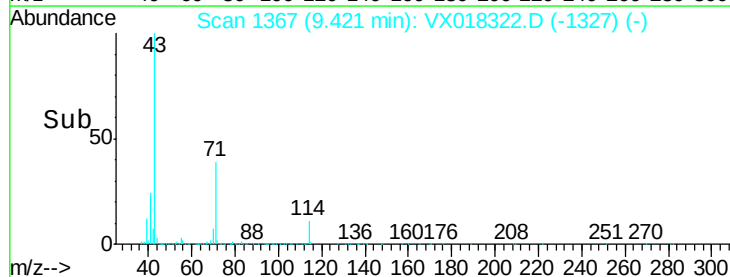
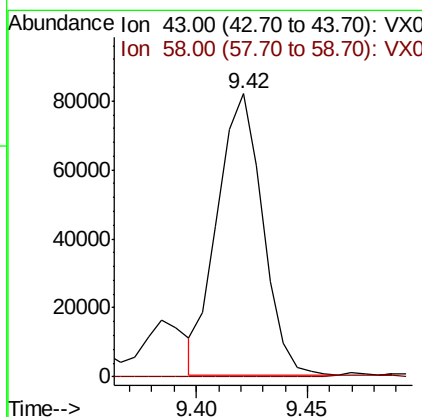
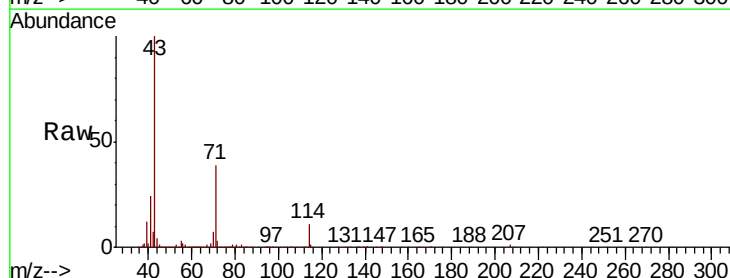
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#11

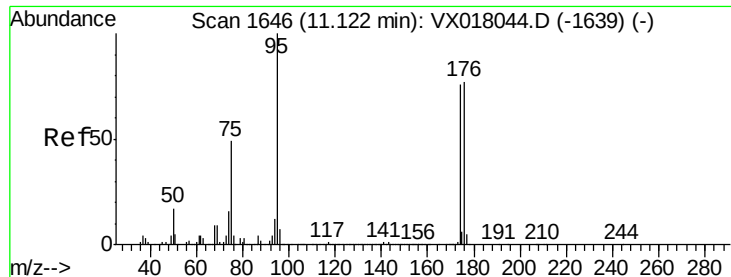
Tot Ion: 76 Resp: 9027
 Ion Ratio Lower Upper
 76 100
 78 2.2 25.8 38.6#



#59
 2-Hexanone
 Concen: 19.948 ug/l
 RT: 9.42 min Scan# 1367
 Delta R.T. -0.06 min
 Lab File: VX018322.D
 Acq: 09 Sep 2020 15:07

Tgt Ion: 43 Resp: 114564
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.451 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#11

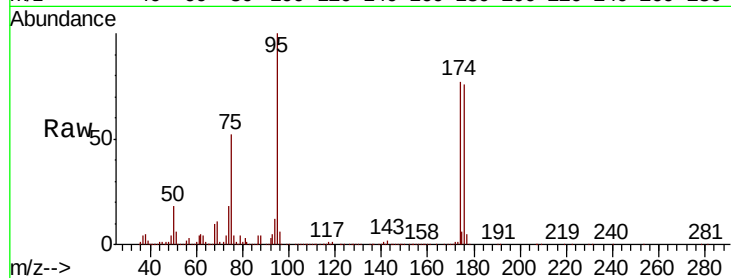
Tot Ion: 95 Resp: 334649

Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.2

176 77.3 0.0 155.8

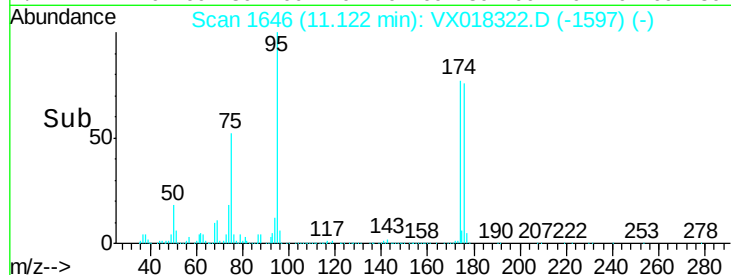


Abundance Ion 94.90 (94.60 to 95.60): VX018322.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018322.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018322.D (-1597) (-)

Time-->

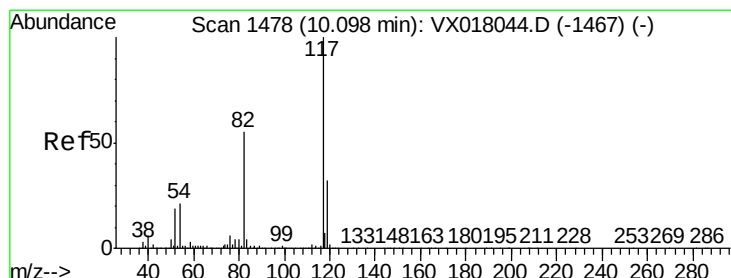


Abundance Ion 94.90 (94.60 to 95.60): VX018322.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018322.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018322.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

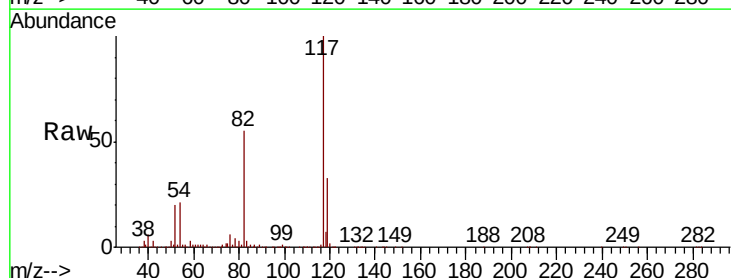
Tgt Ion: 117 Resp: 703518

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

119 32.6 25.7 38.5

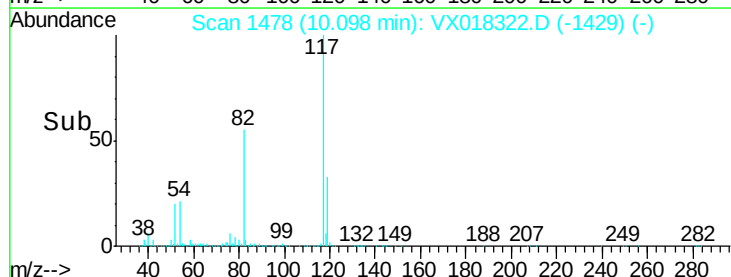


Abundance Ion 116.90 (116.60 to 117.60): VX018322.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018322.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018322.D (-1429) (-)

Time-->

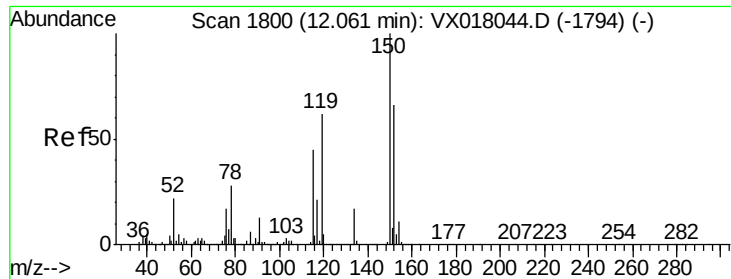


Abundance Ion 116.90 (116.60 to 117.60): VX018322.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018322.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018322.D (-1429) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#11

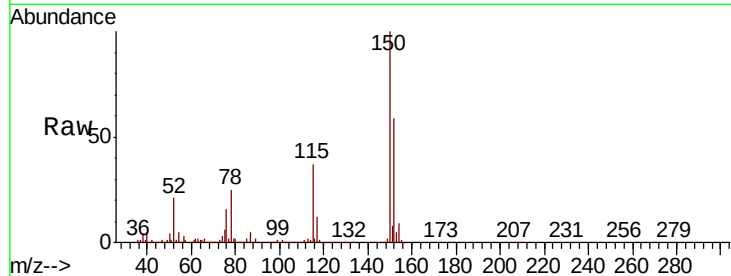
Tot Ion:152 Resp: 334381

Ion Ratio Lower Upper

152 100

115 60.6 41.5 124.5

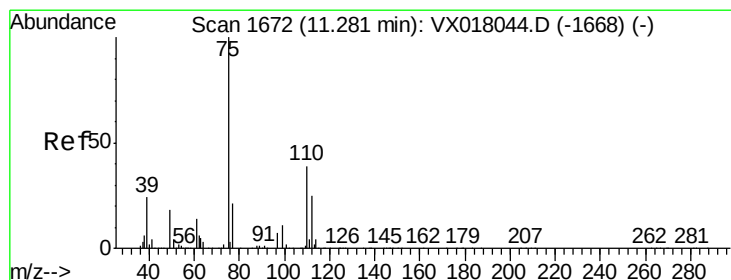
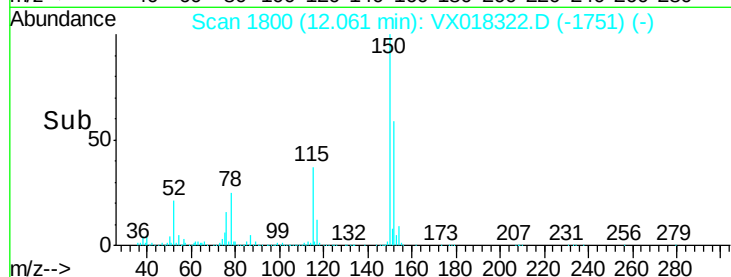
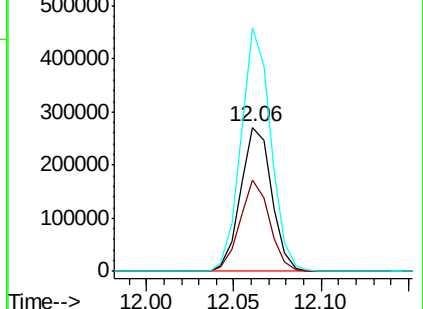
150 162.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.291 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018322.D

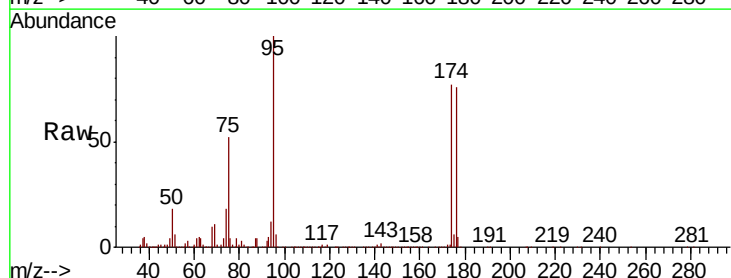
Acq: 09 Sep 2020 15:07

Tgt Ion: 75 Resp: 173250

Ion Ratio Lower Upper

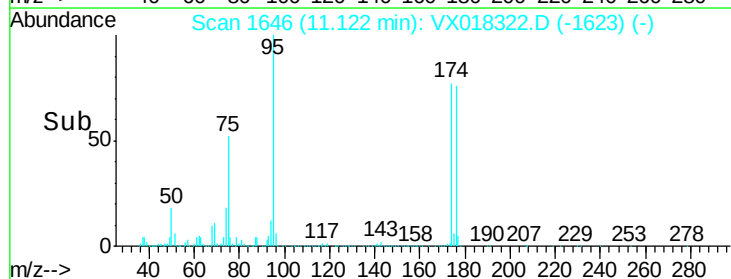
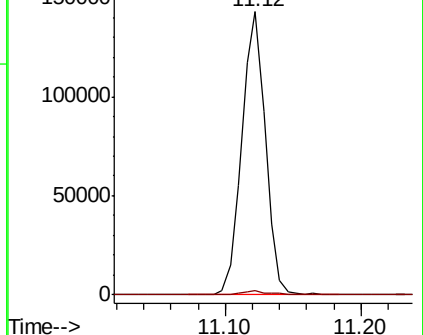
75 100

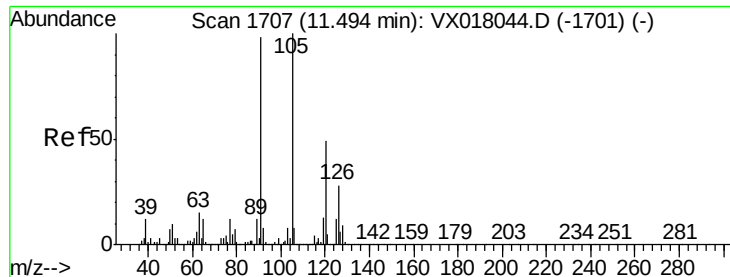
77 1.7 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.335 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

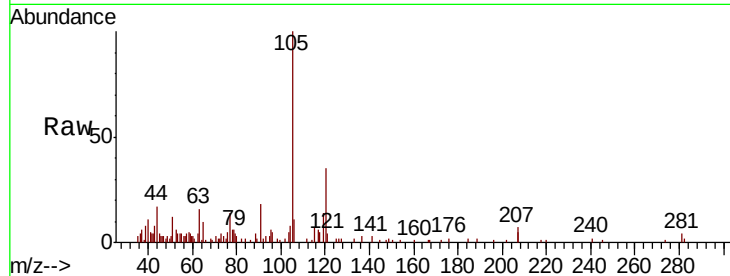
PB131488ZHE#11

Tot Ion:105 Resp: 6080

Ion Ratio Lower Upper

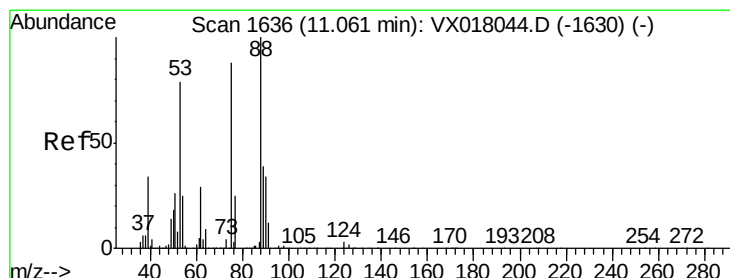
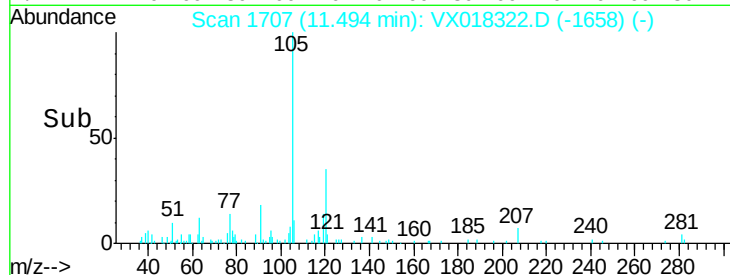
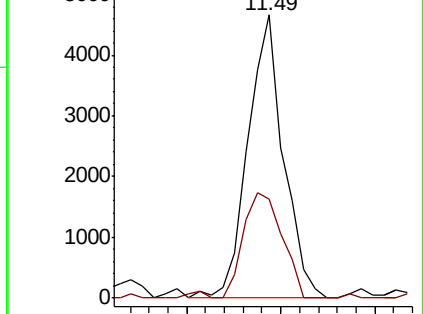
105 100

120 41.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018322.D

Acq: 09 Sep 2020 15:07

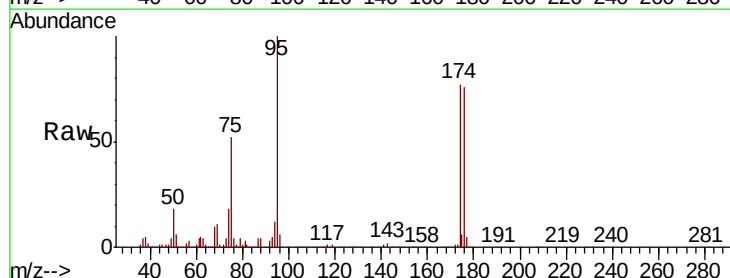
Tgt Ion: 75 Resp: 173250

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

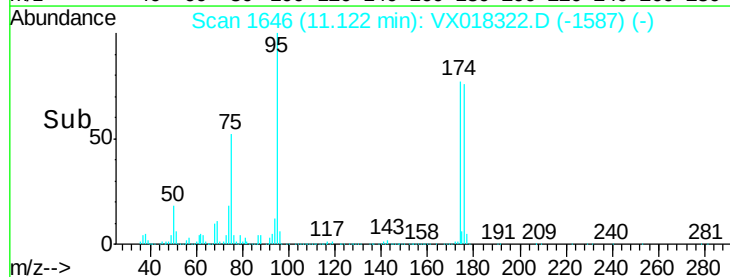
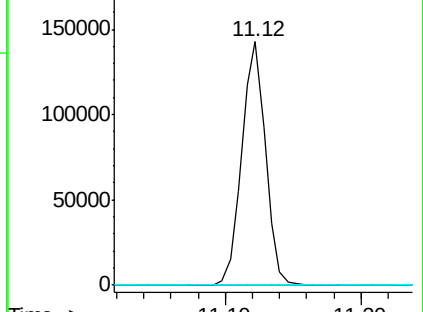
89 0.1 36.6 54.8#

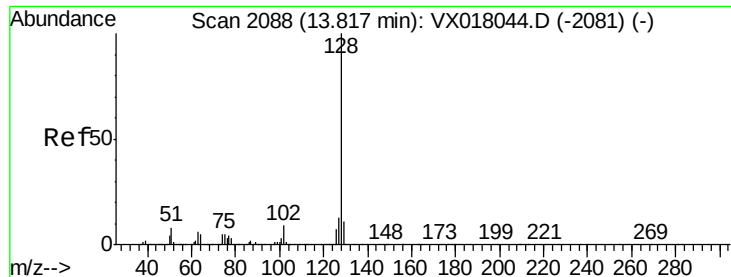


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.481 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018322.D
Acq: 09 Sep 2020 15:07

Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#11

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	8.7	13.1

