

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019107.D
 Acq On : 24 Oct 2020 05:14
 Operator : JC/SP
 Sample : PB132563TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132563TB

Quant Time: Oct 26 05:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	260728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	450579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218851	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	161245	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	5.46	113	137083	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	8.70	98	560330	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.12	95	201663	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

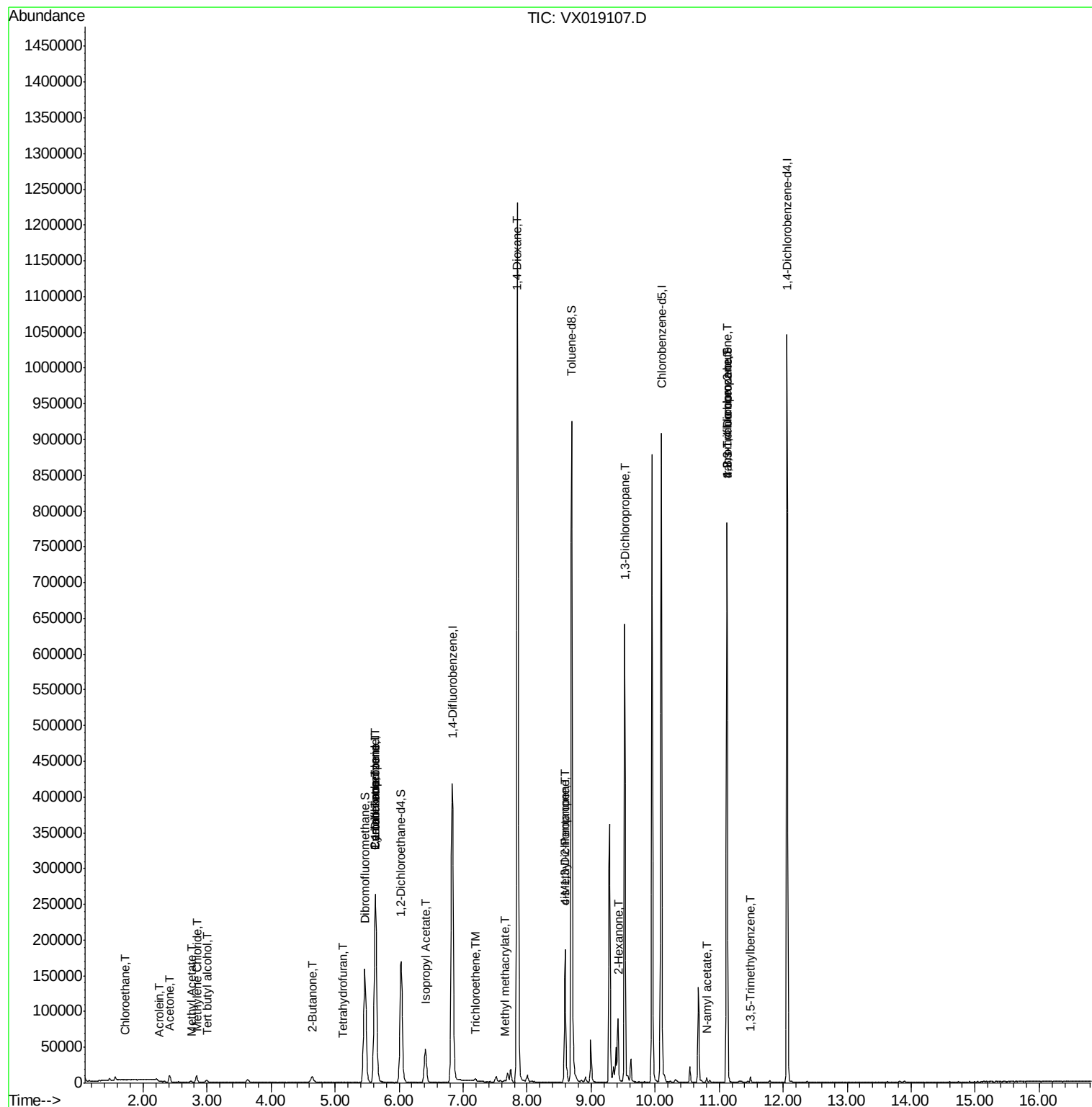
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	249	Below Cal	#	71
6) Chloroethane	1.73	64	133	1.323	ug/l #	43
11) Tert butyl alcohol	3.00	59	2289	3.619	ug/l #	73
13) Acrolein	2.26	56	84	13.958	ug/l #	16
16) Acetone	2.42	43	10447	9.821	ug/l	95
18) Methyl Acetate	2.75	43	2435	0.922	ug/l	99
20) Methylene Chloride	2.83	84	4426	1.495	ug/l	92
25) 2-Butanone	4.64	43	3447	2.051	ug/l	94
29) Tetrahydrofuran	5.11	42	988	0.983	ug/l #	63
31) Cyclohexane	5.63	56	4756	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19223	4.755	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25407	5.987	ug/l #	16
43) Isopropyl Acetate	6.41	43	61602	10.541	ug/l	99
44) Trichloroethene	7.19	130	1115	0.321	ug/l	100
48) Methyl methacrylate	7.65	41	3066	1.065	ug/l #	5
49) 1,4-Dioxane	7.85	88	213	3.274	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	60113	17.456	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	33820	6.649	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	6174	1.213	ug/l #	42
59) 2-Hexanone	9.42	43	53642	20.902	ug/l #	17
74) N-amyl acetate	10.81	43	2713	0.538	ug/l #	40
76) 1,2,3-Trichloropropane	11.12	75	99833	22.823	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	3659	0.281	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	99833	58.148	ug/l #	15

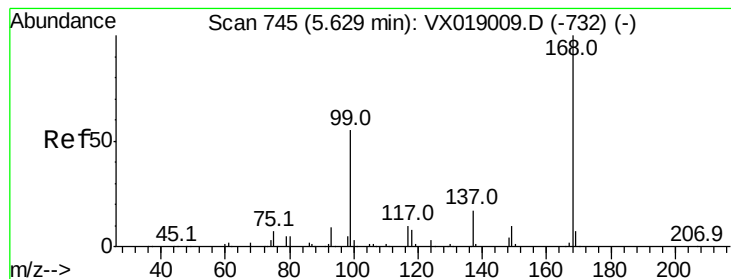
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
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Quant Time: Oct 26 05:39:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

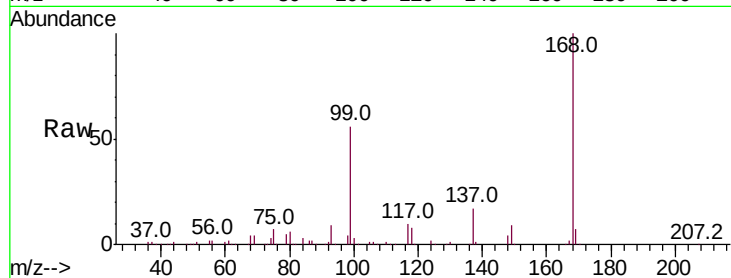
PB132563TB

Tot Ion:168 Resp: 260728

Ion Ratio Lower Upper

168 100

99 56.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

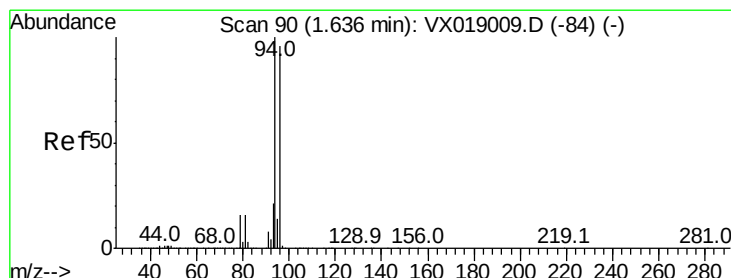
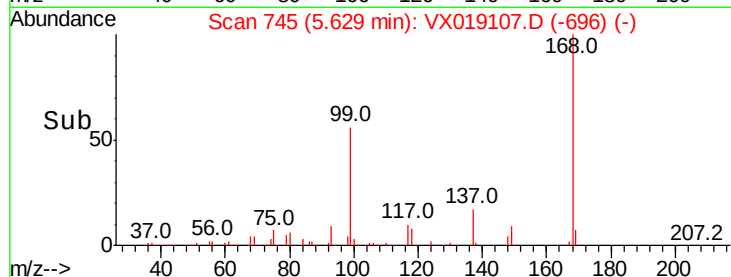
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019107.D

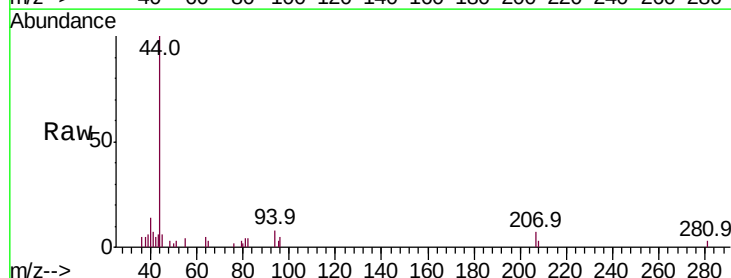
Acq: 24 Oct 2020 05:14

Tgt Ion: 94 Resp: 249

Ion Ratio Lower Upper

94 100

96 68.4 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

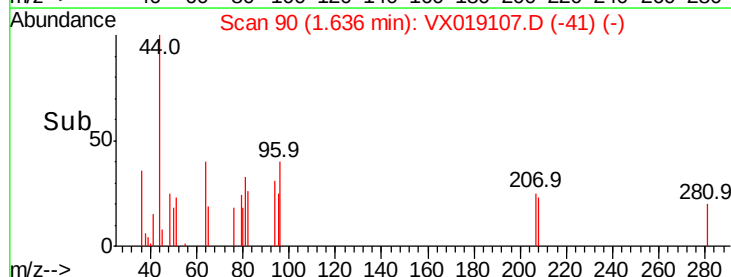
150

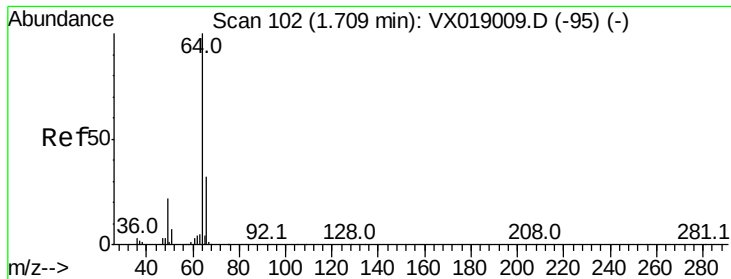
100

50

0

Time-->





#6

Chloroethane

Concen: 1.323 ug/l

RT: 1.73 min Scan# 106

Delta R.T. 0.02 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

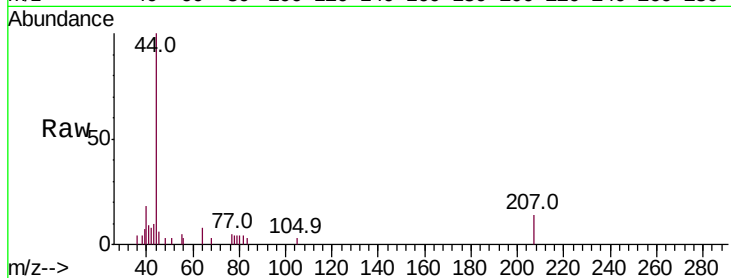
PB132563TB

Tot Ion: 64 Resp: 133

Ion Ratio Lower Upper

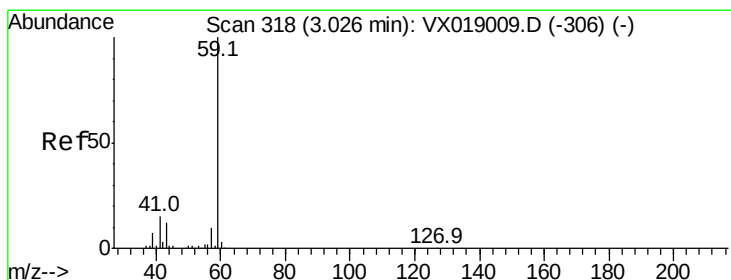
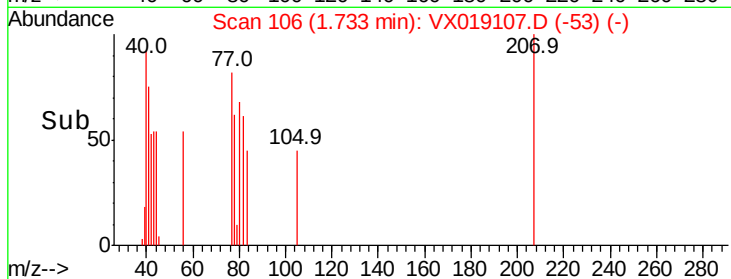
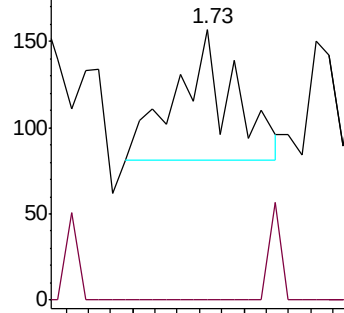
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 3.619 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019107.D

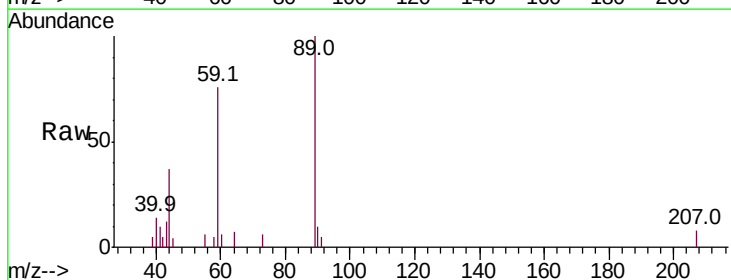
Acq: 24 Oct 2020 05:14

Tgt Ion: 59 Resp: 2289

Ion Ratio Lower Upper

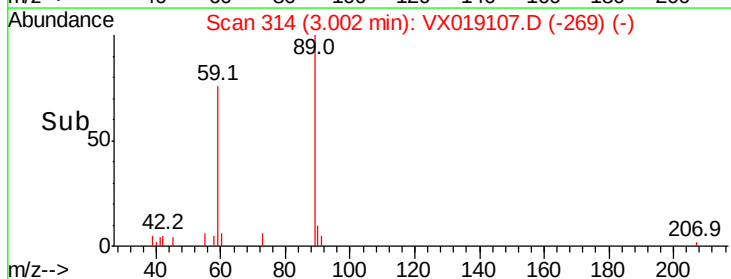
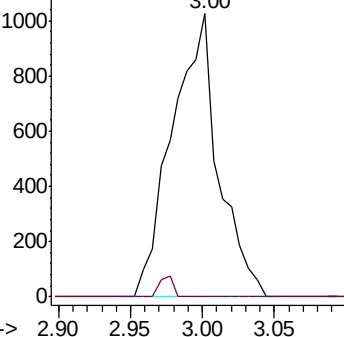
59 100

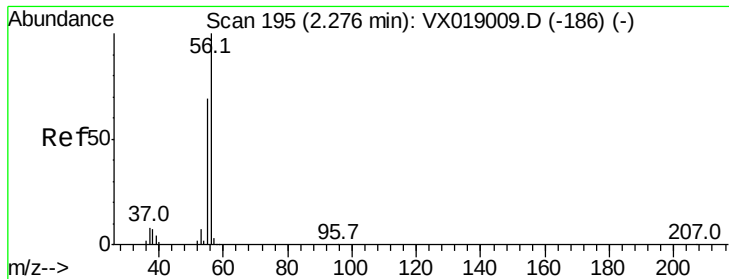
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.958 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

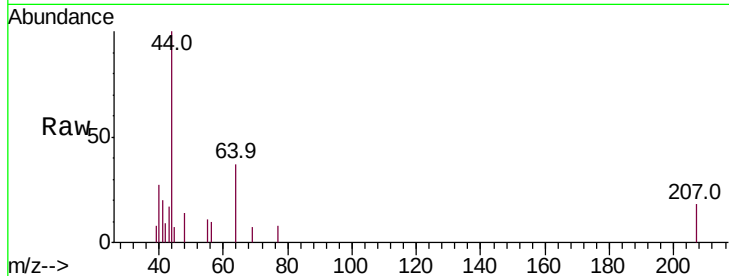
PB132563TB

Tot Ion: 56 Resp: 84

Ion Ratio Lower Upper

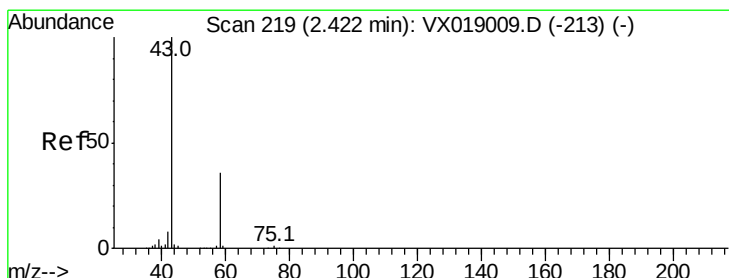
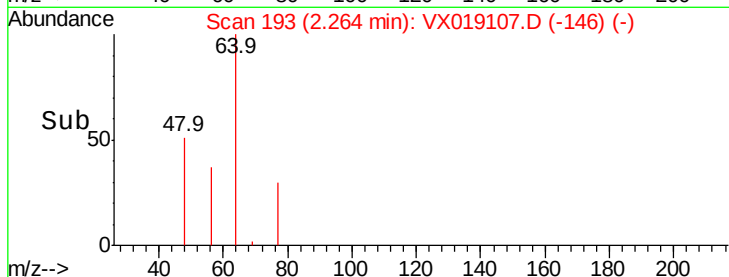
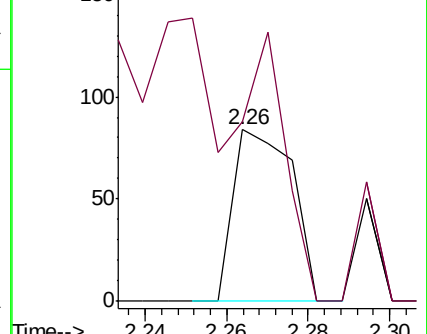
56 100

55 0.0 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 9.821 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019107.D

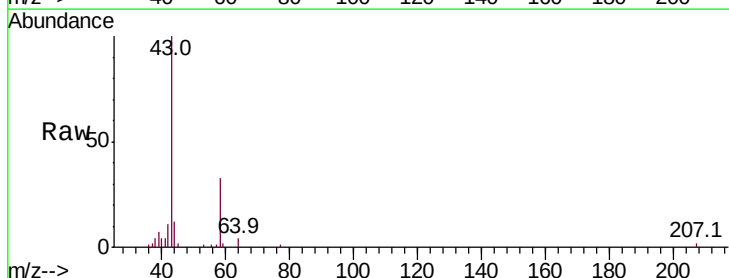
Acq: 24 Oct 2020 05:14

Tgt Ion: 43 Resp: 10447

Ion Ratio Lower Upper

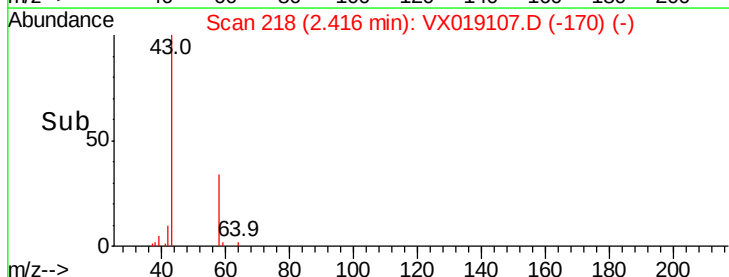
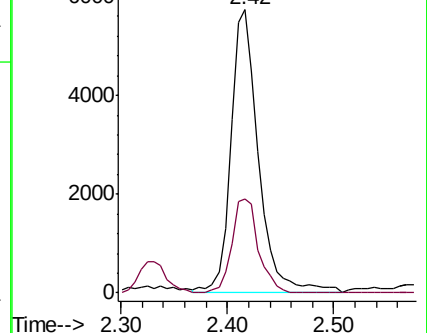
43 100

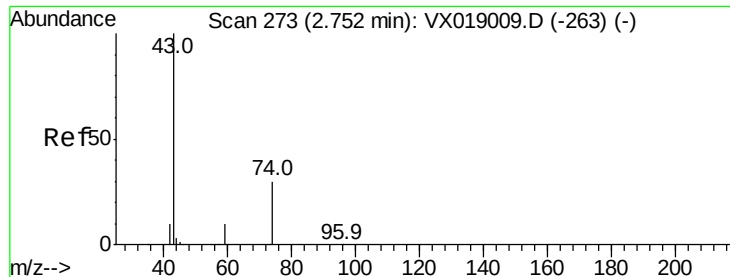
58 33.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

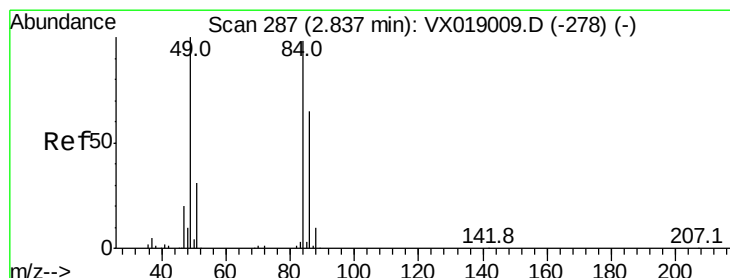
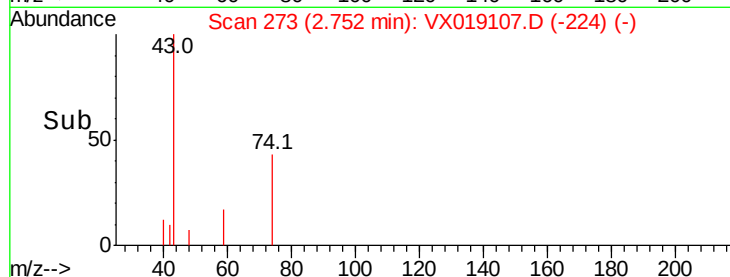
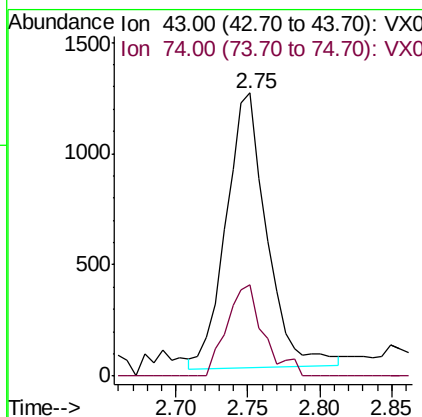
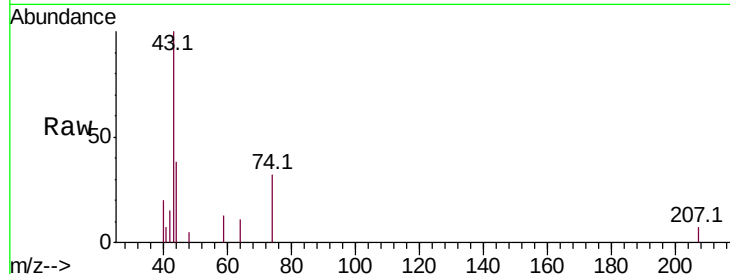




#18
Methvl Acetate
Concen: 0.922 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

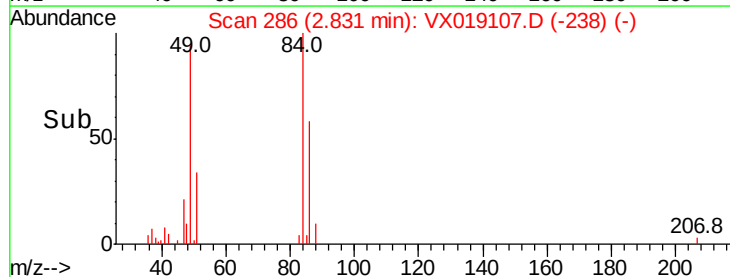
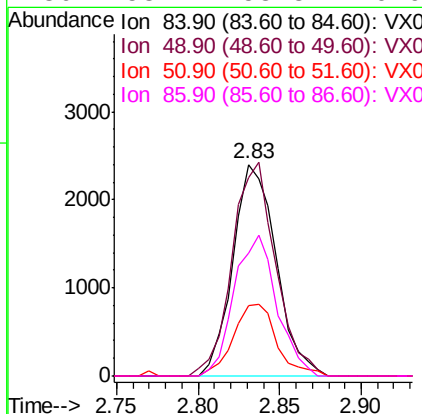
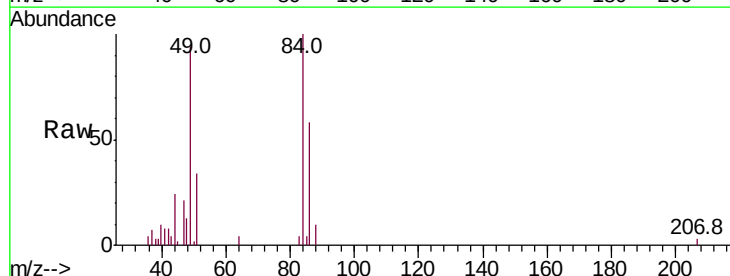
Instrument :
MSVOA_X
ClientSampleId :
PB132563TB

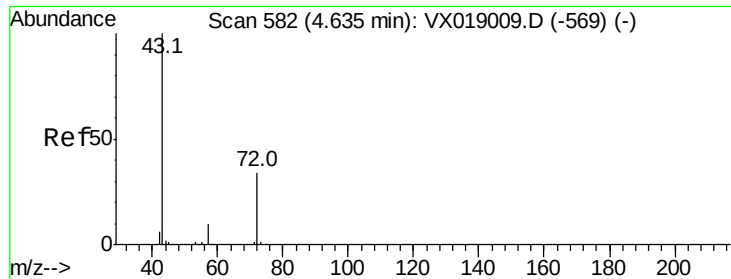
Tot Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
74 30.3 24.9 37.3



#20
Methylene Chloride
Concen: 1.495 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

Tgt Ion: 84 Resp: 4426
Ion Ratio Lower Upper
84 100
49 94.2 81.6 122.4
51 33.5 25.6 38.4
86 58.2 53.3 79.9





#25

2-Butanone

Concen: 2.051 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampled :

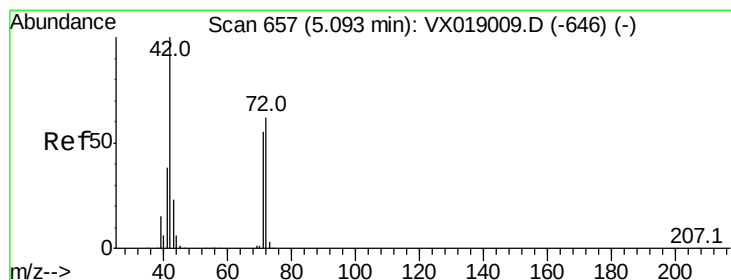
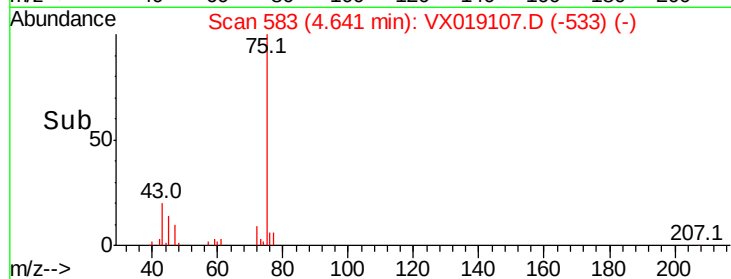
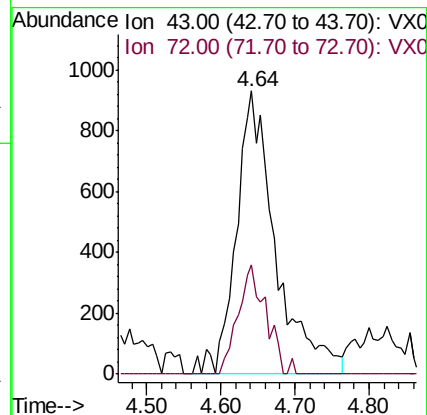
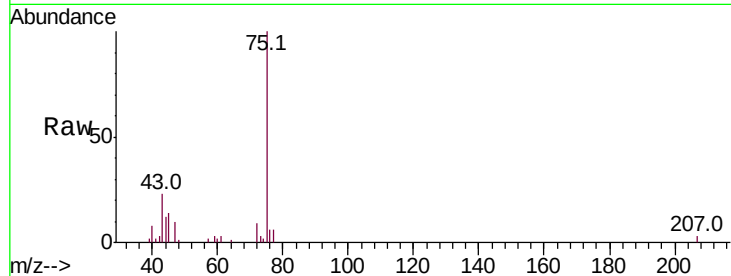
PB132563TB

Tot Ion: 43 Resp: 3447

Ion Ratio Lower Upper

43 100

72 38.4 27.8 41.6



#29

Tetrahydrofuran

Concen: 0.983 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

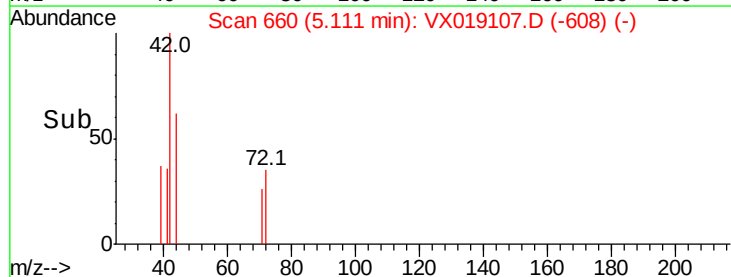
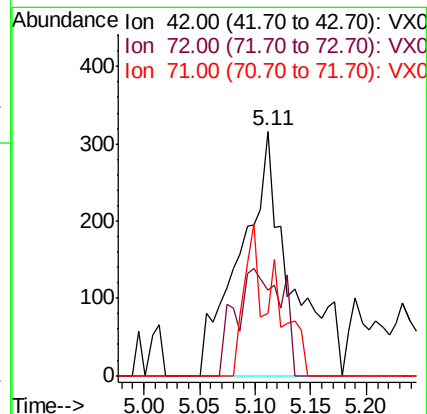
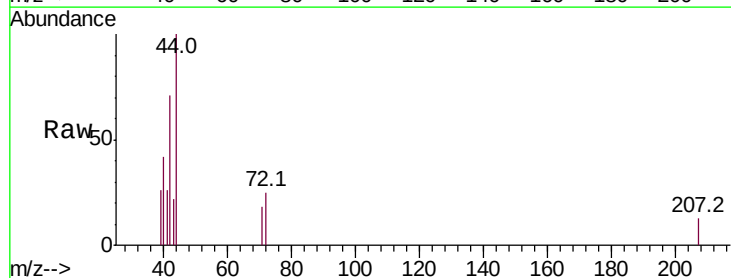
Tgt Ion: 42 Resp: 988

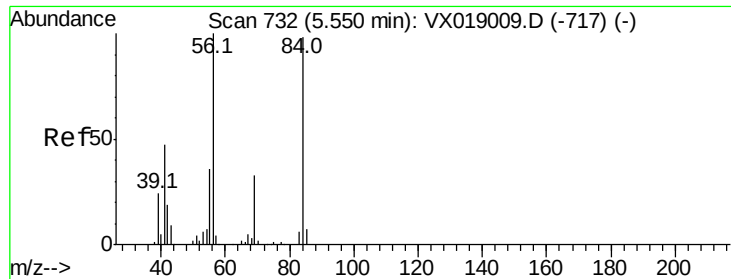
Ion Ratio Lower Upper

42 100

72 40.0 49.1 73.7#

71 21.3 44.2 66.4#

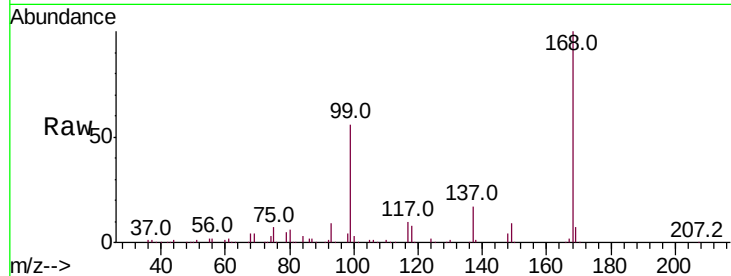




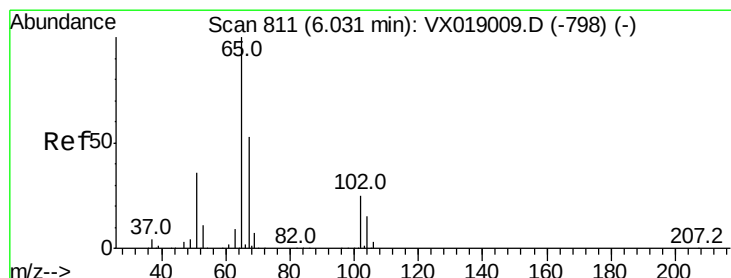
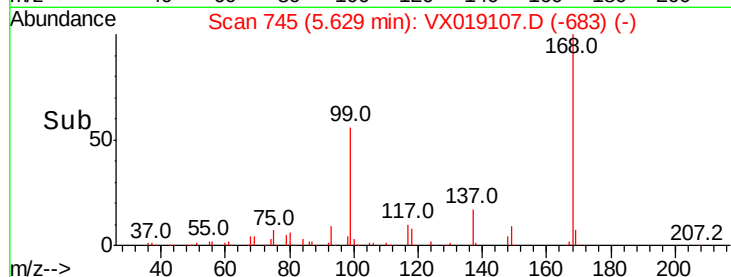
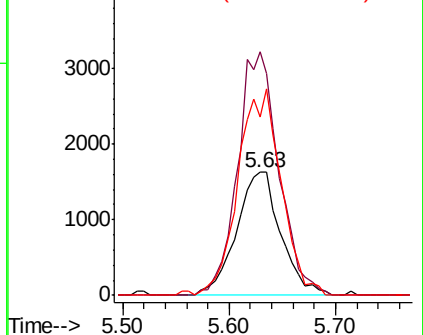
#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

Instrument :
MSVOA_X
ClientSampleId :
PB132563TB

Tot Ion: 56 Resp: 4756
Ion Ratio Lower Upper
56 100
69 197.8 26.2 39.2#
84 145.2 78.3 117.5#

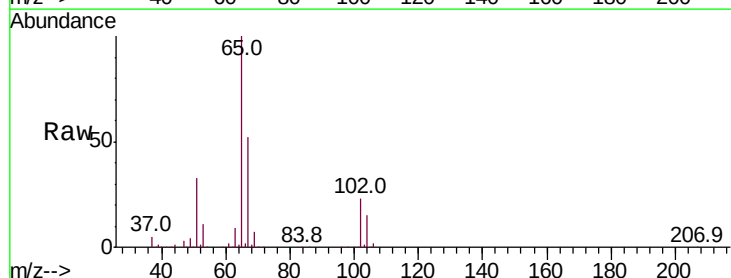


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

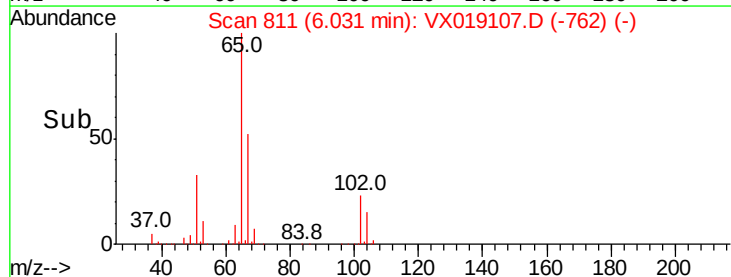
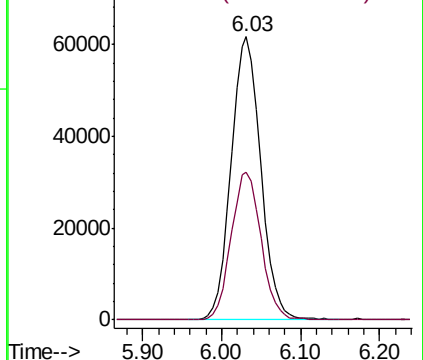


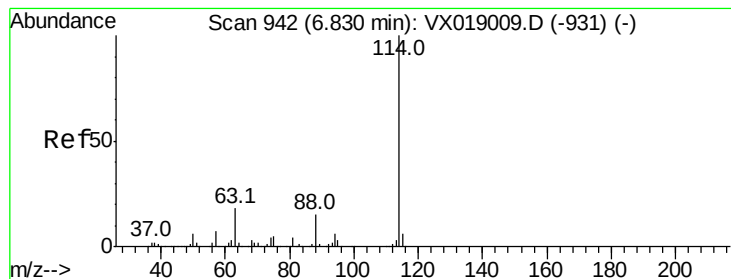
#33
1,2-Dichloroethane-d4
Concen: 51.630 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

Tgt Ion: 65 Resp: 161245
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB132563TB

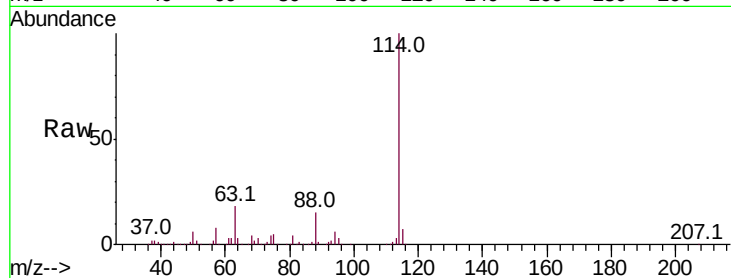
Tot Ion:114 Resp: 450579

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

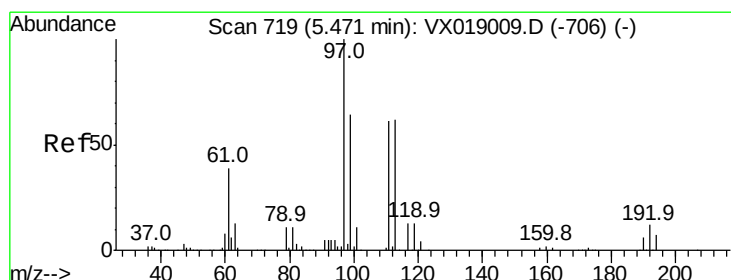
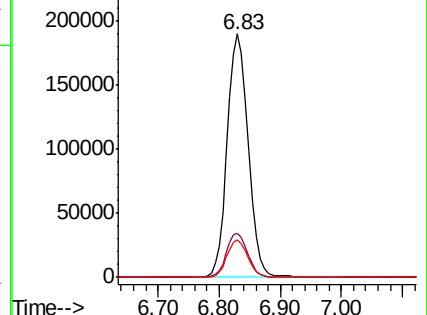
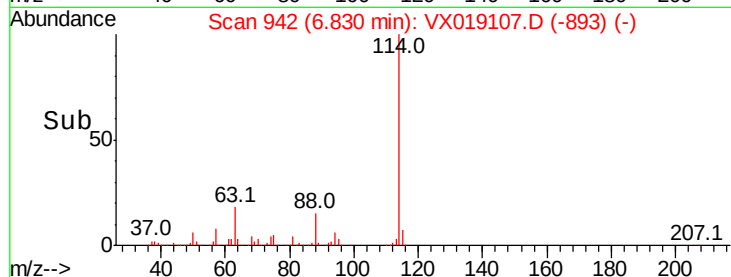
88 15.5 0.0 30.2



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: 48.053 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

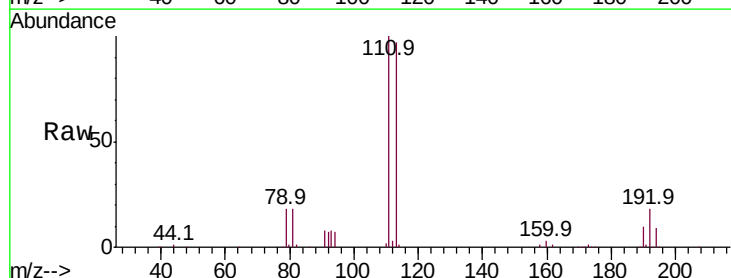
Tgt Ion:113 Resp: 137083

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

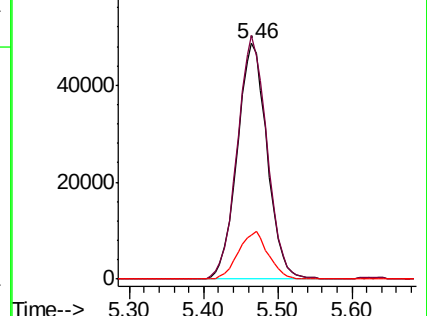
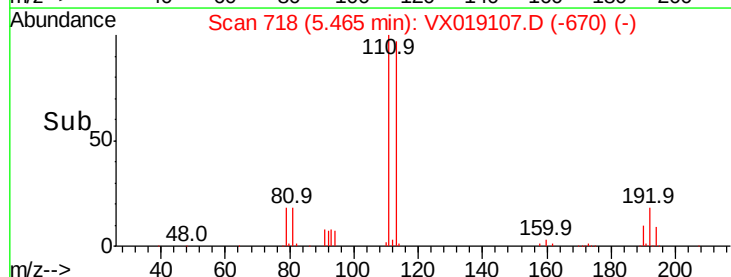
192 20.2 16.3 24.5

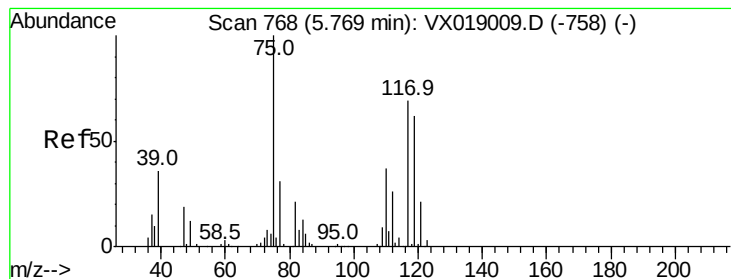


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB132563TB

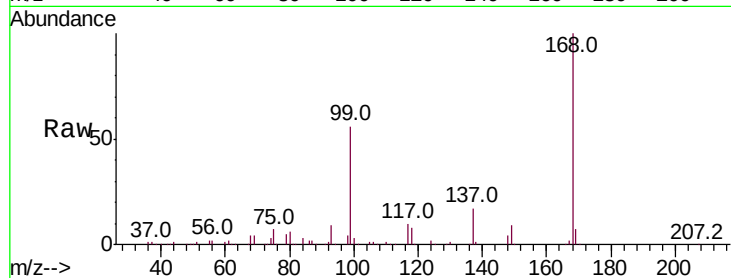
Tot Ion: 75 Resp: 19223

Ion Ratio Lower Upper

75 100

110 9.5 19.4 58.2#

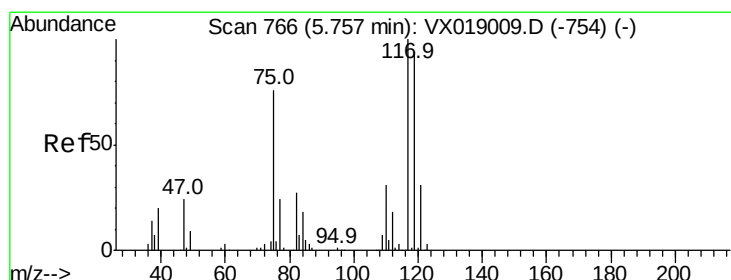
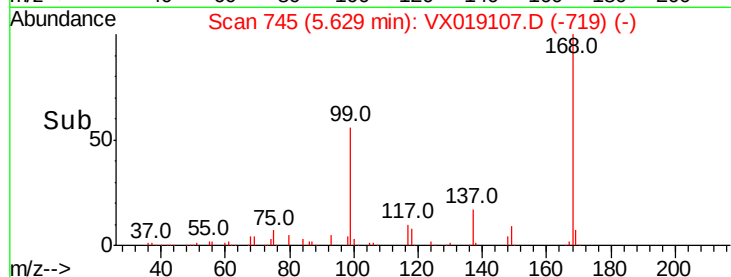
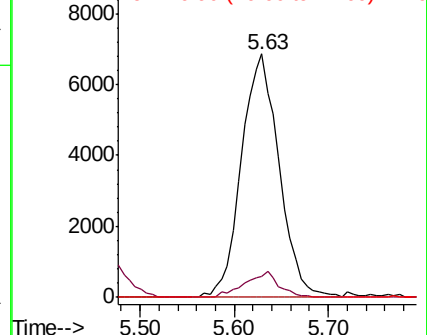
77 0.0 25.2 37.8#



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: 5.987 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

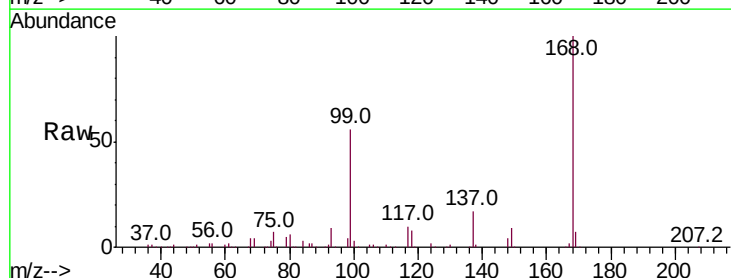
Tgt Ion: 117 Resp: 25407

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.0#

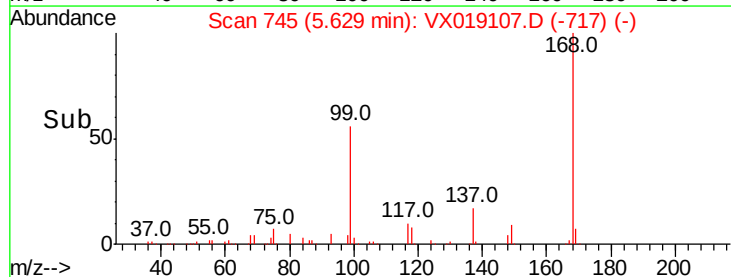
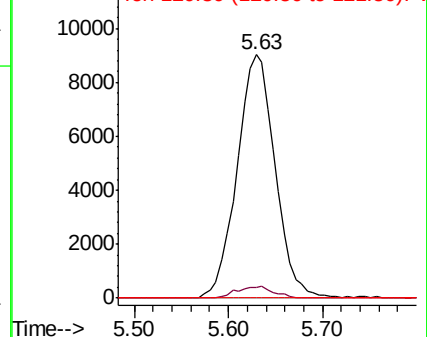
121 0.0 25.0 37.6#

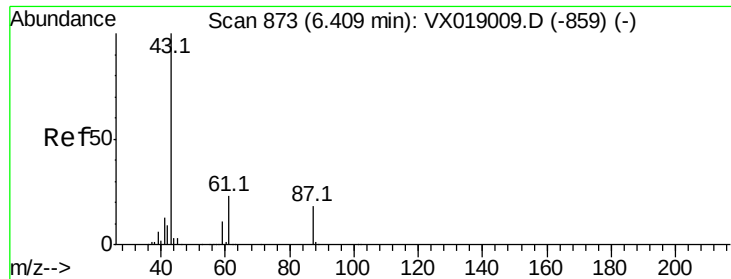


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.541 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB132563TB

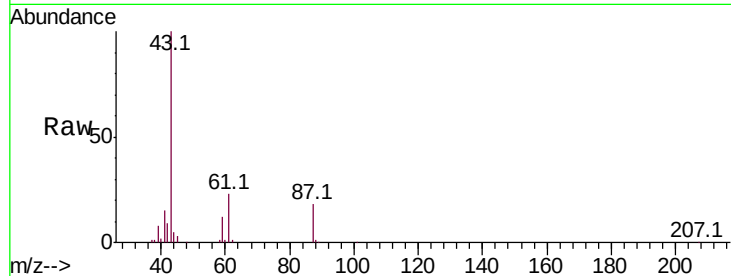
Tot Ion: 43 Resp: 61602

Ion Ratio Lower Upper

43 100

61 23.9 18.7 28.1

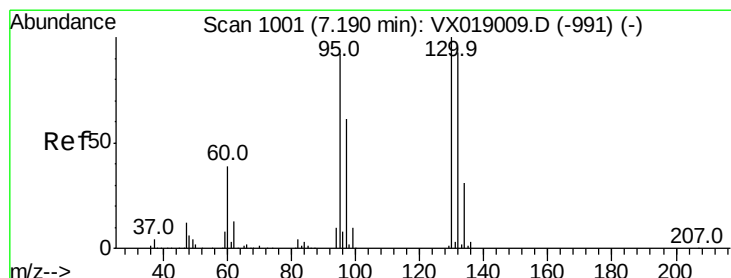
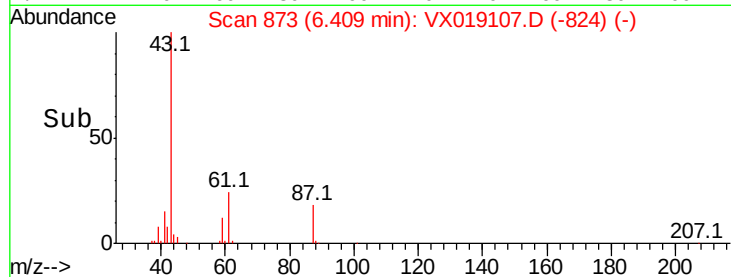
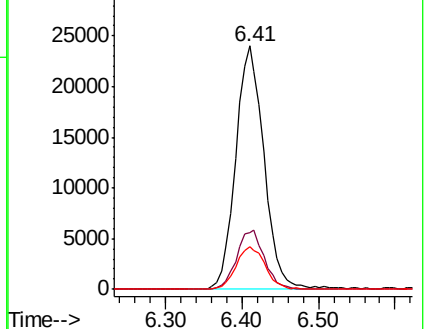
87 18.0 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.321 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX019107.D

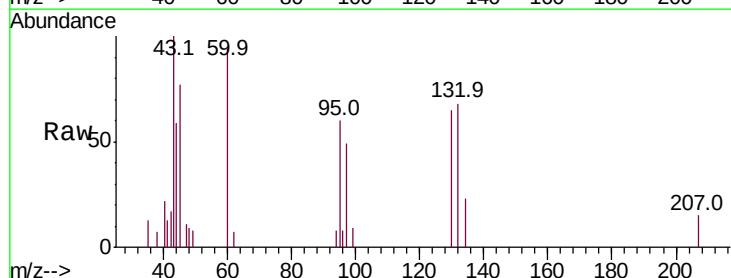
Acq: 24 Oct 2020 05:14

Tgt Ion:130 Resp: 1115

Ion Ratio Lower Upper

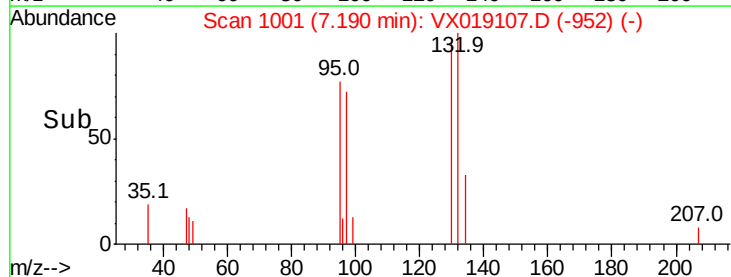
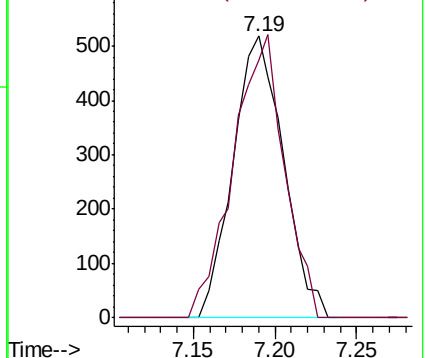
130 100

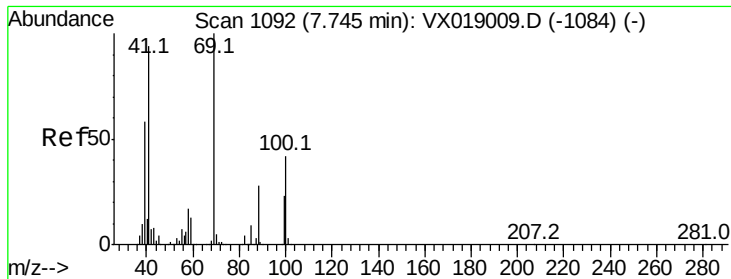
95 91.7 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#48

Methvl methacrylate

Concen: 1.065 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB132563TB

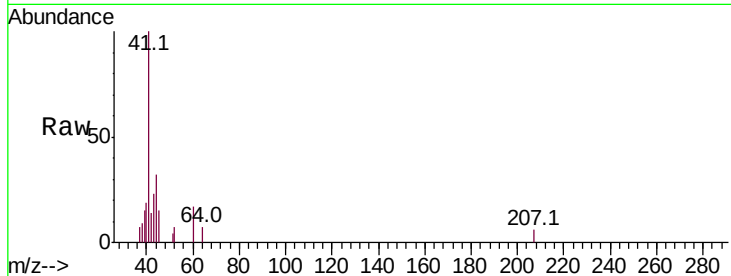
Tot Ion: 41 Resp: 3066

Ion Ratio Lower Upper

41 100

69 0.0 85.5 128.3#

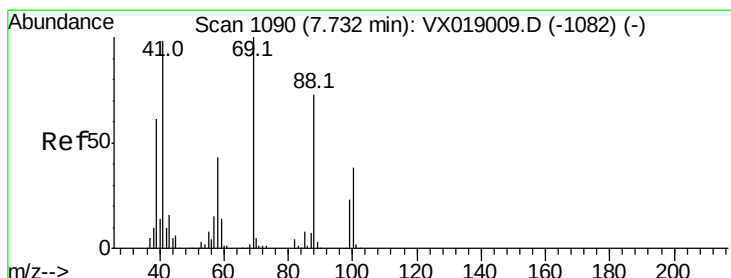
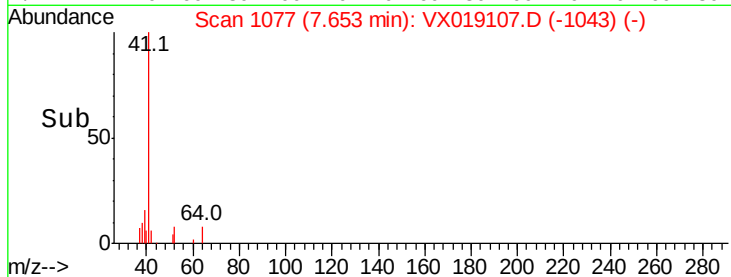
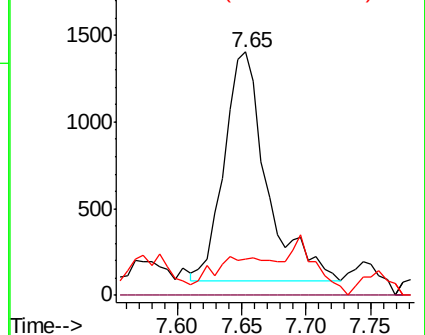
39 0.0 49.3 73.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 3.274 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.12 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

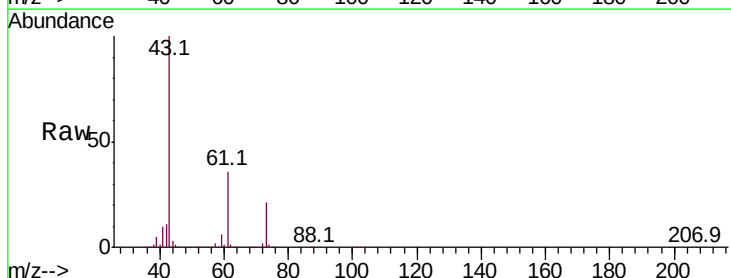
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 478370.9 20.3 30.5#

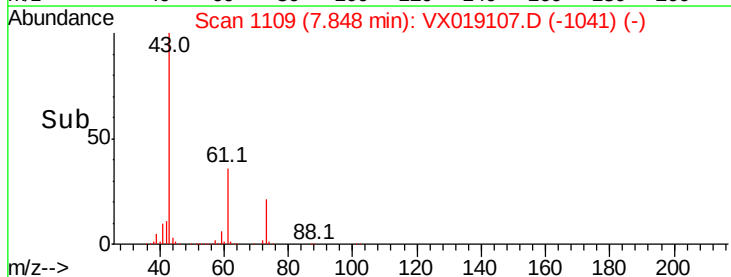
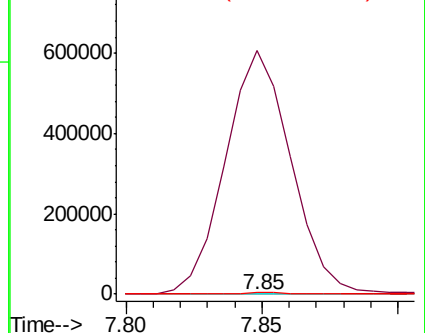
58 2440.8 48.4 72.6#

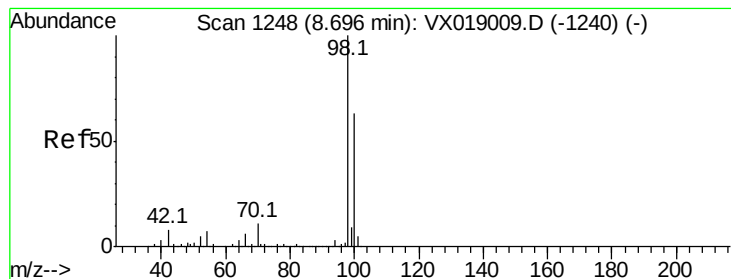


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.472 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

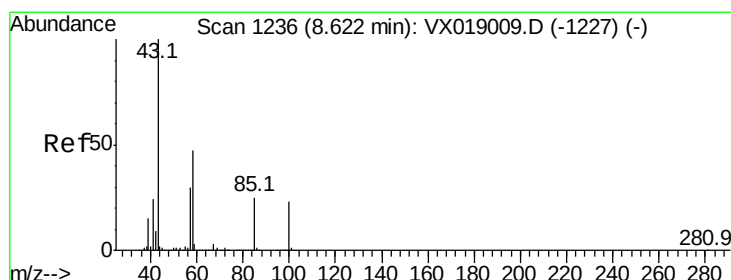
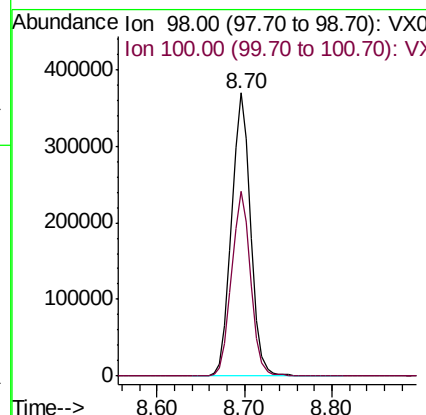
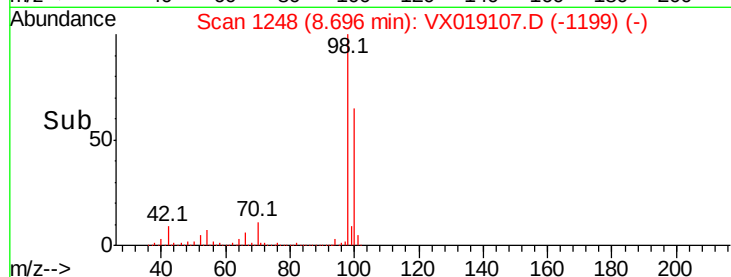
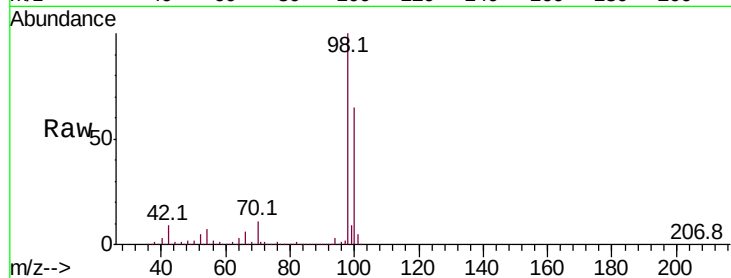
PB132563TB

Tot Ion: 98 Resp: 560330

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 17.456 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019107.D

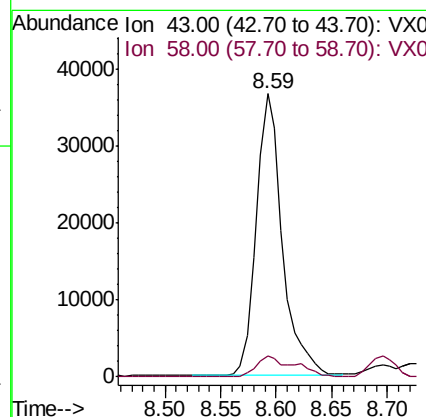
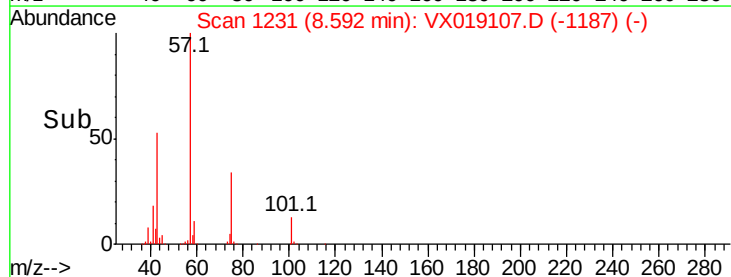
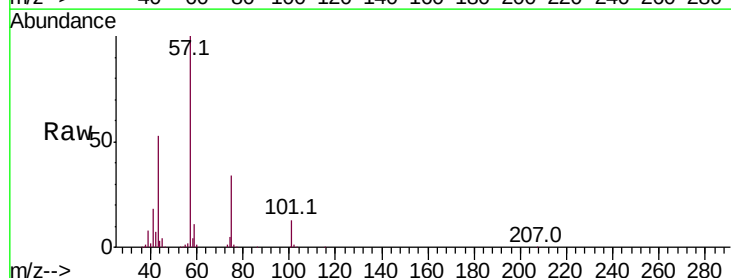
Acq: 24 Oct 2020 05:14

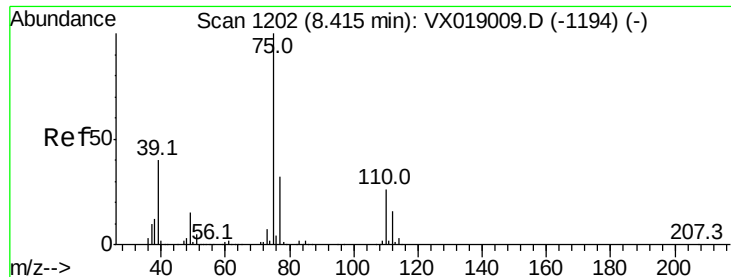
Tgt Ion: 43 Resp: 60113

Ion Ratio Lower Upper

43 100

58 10.5 37.4 56.0#



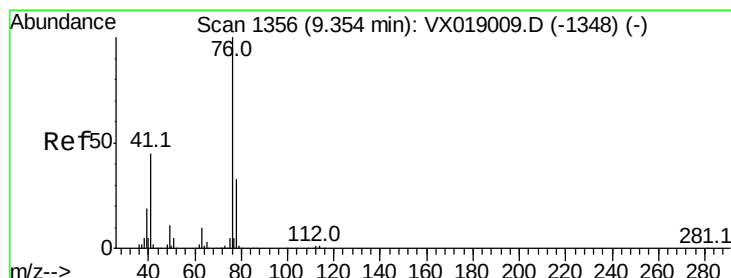
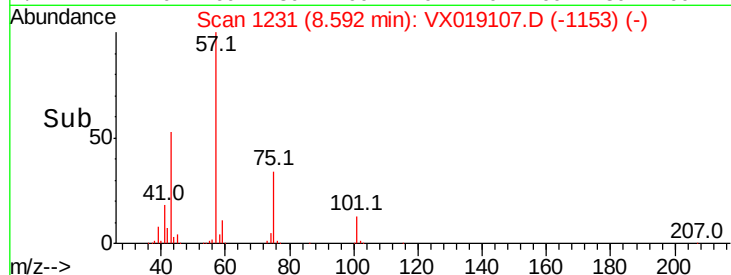
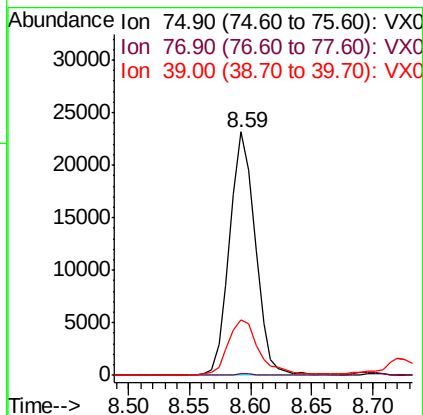
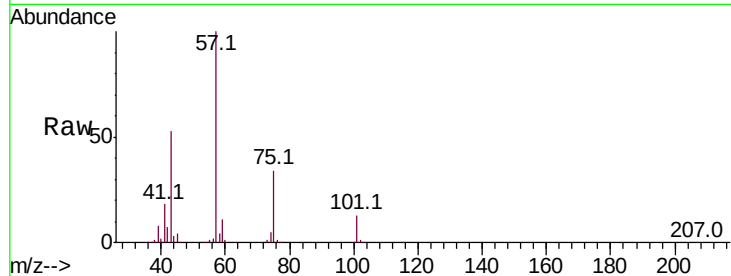


#54

cis-1,3-Dichloropropene
 Concen: 6.649 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019107.D
 Acq: 24 Oct 2020 05:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132563TB

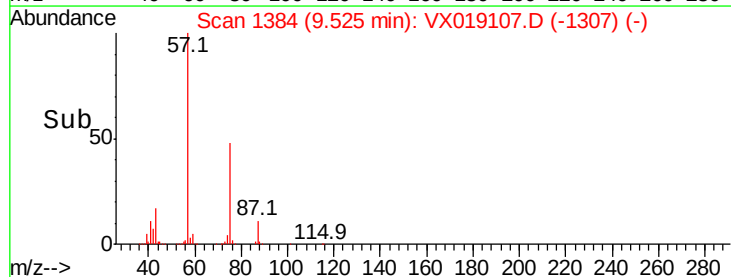
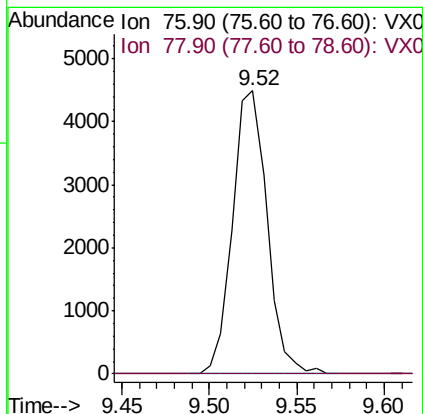
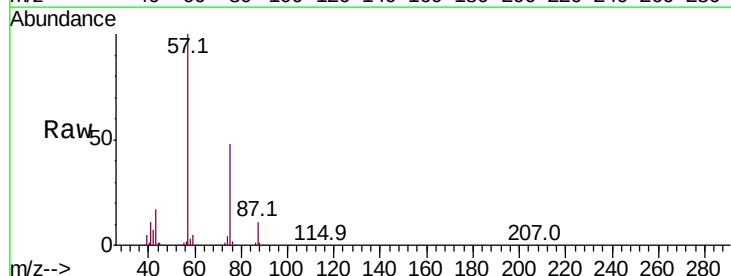
Tot Ion: 75 Resp: 33820
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.9 38.9#
 39 22.7 31.7 47.5#

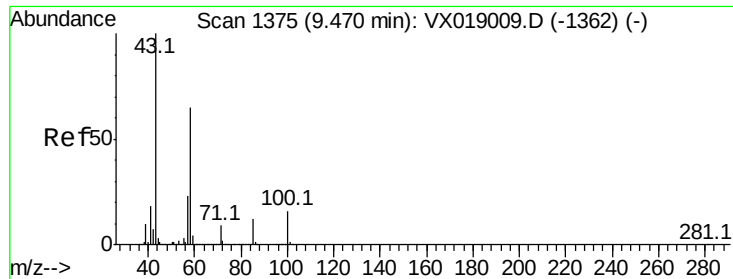


#57

1,3-Dichloropropane
 Concen: 1.213 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019107.D
 Acq: 24 Oct 2020 05:14

Tgt Ion: 76 Resp: 6174
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#





#59

2-Hexanone

Concen: 20.902 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

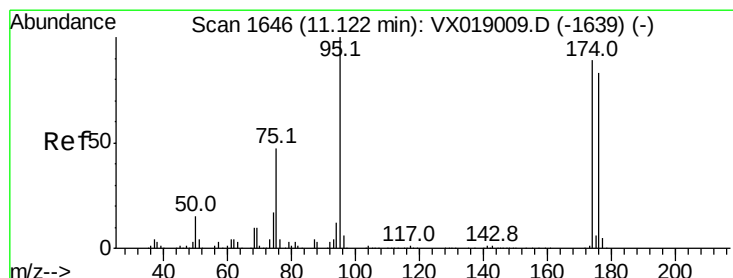
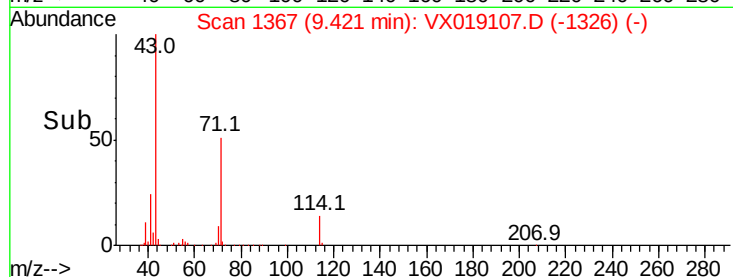
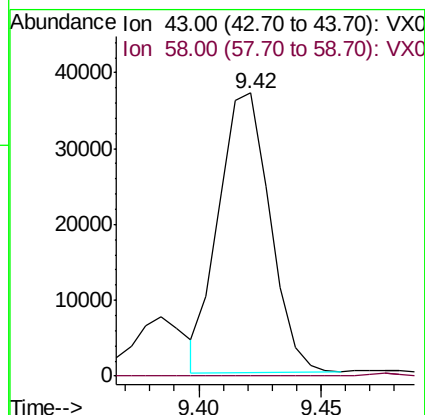
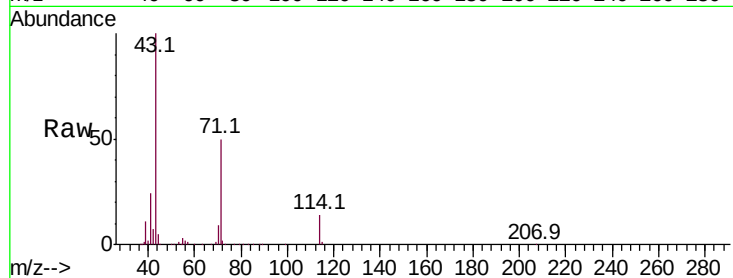
PB132563TB

Tot Ion: 43 Resp: 53642

Ion Ratio Lower Upper

43 100

58 0.0 32.8 98.4#



#62

4-Bromofluorobenzene

Concen: 52.079 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

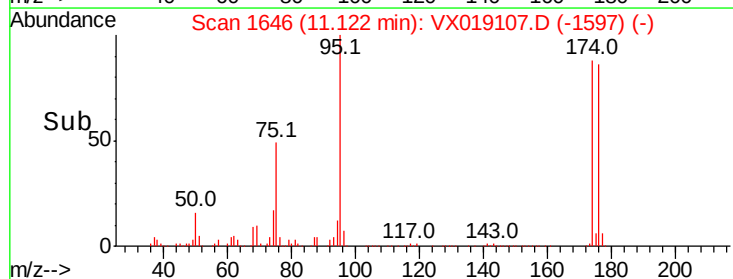
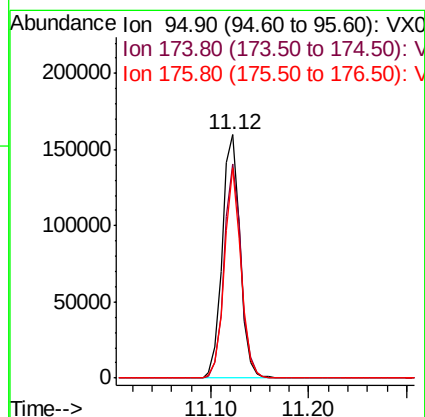
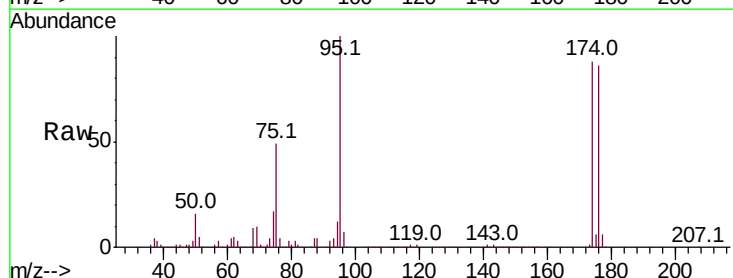
Tgt Ion: 95 Resp: 201663

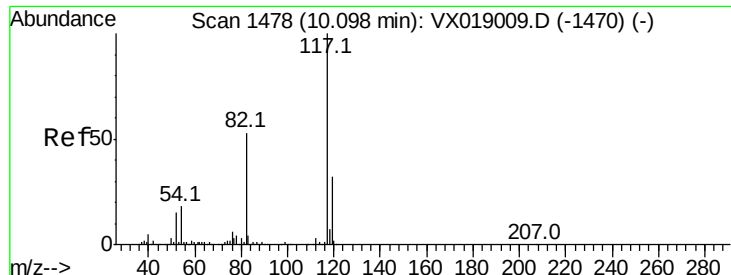
Ion Ratio Lower Upper

95 100

174 83.9 0.0 167.6

176 80.2 0.0 165.2

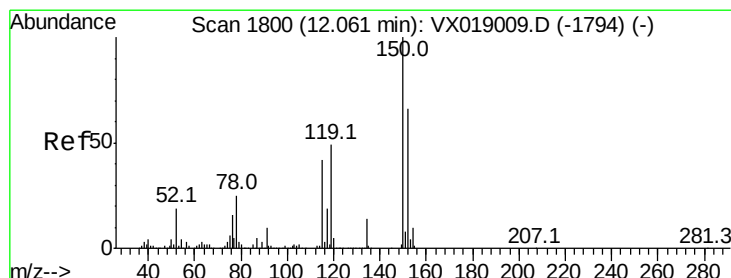
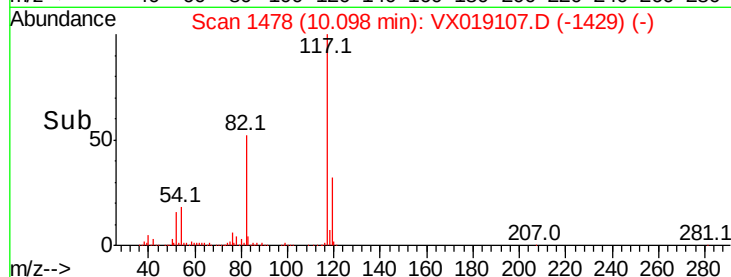
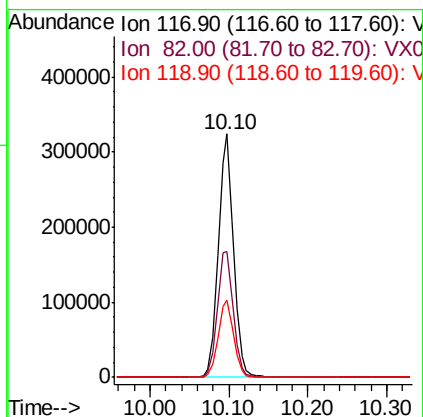
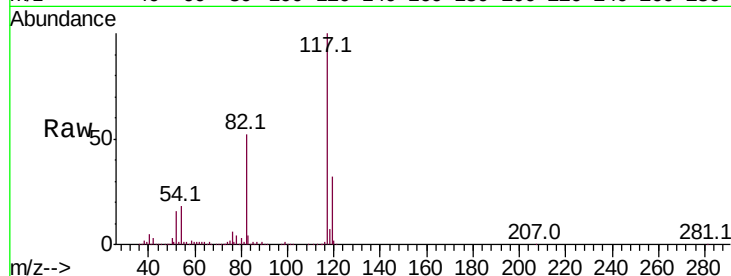




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

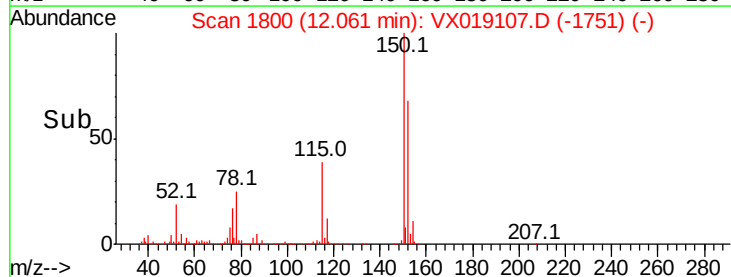
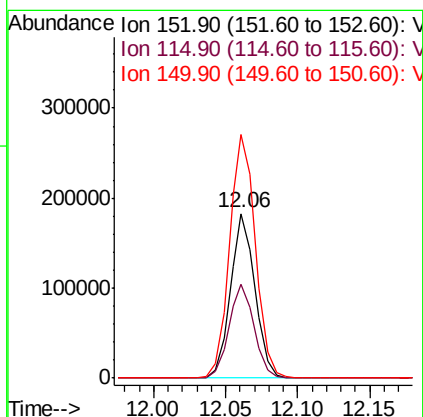
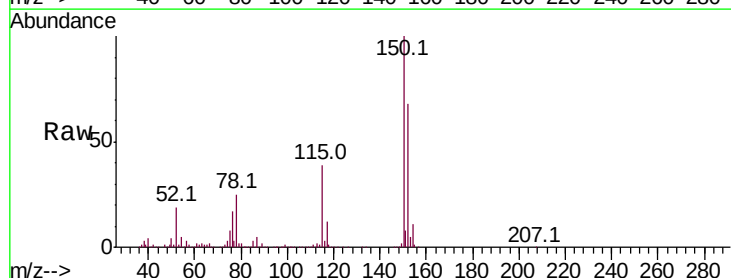
Instrument :
MSVOA_X
ClientSampleId :
PB132563TB

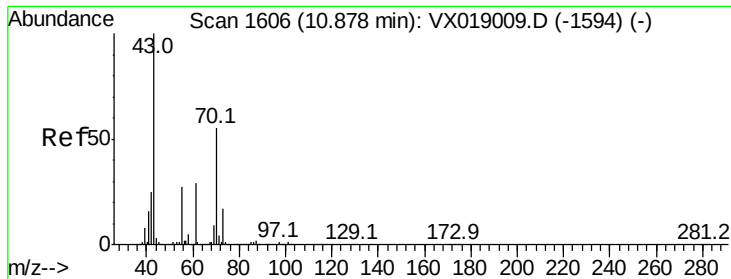
Tot Ion:117 Resp: 433926
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019107.D
Acq: 24 Oct 2020 05:14

Tgt Ion:152 Resp: 218851
Ion Ratio Lower Upper
152 100
115 58.5 40.8 122.5
150 155.8 0.0 345.6





#74

N-amvl acetate

Concen: 0.538 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

PB132563TB

Tot Ion: 43 Resp: 2713

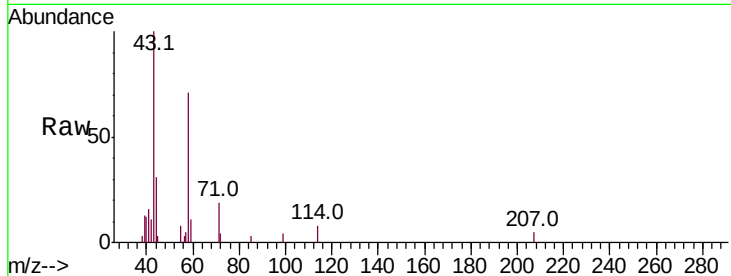
Ion Ratio Lower Upper

43 100

70 0.0 44.5 66.7#

55 10.1 21.9 32.9#

61 0.0 23.9 35.9#

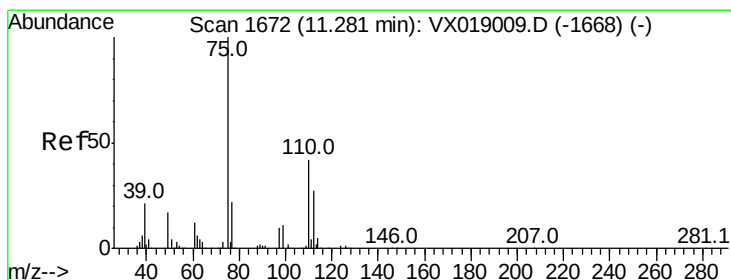
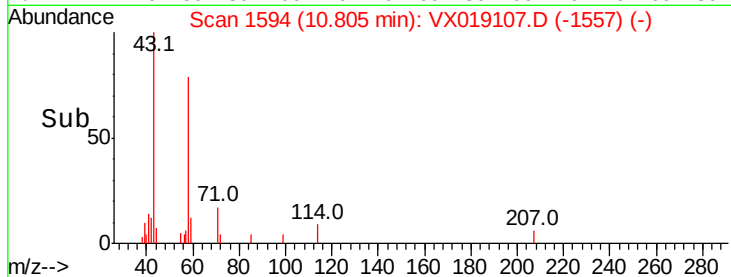
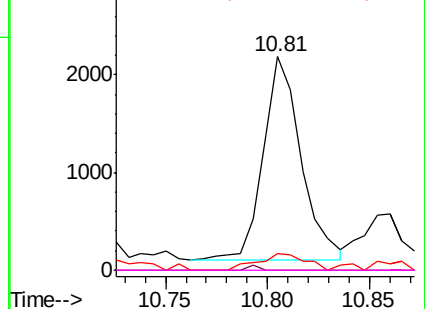


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.823 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019107.D

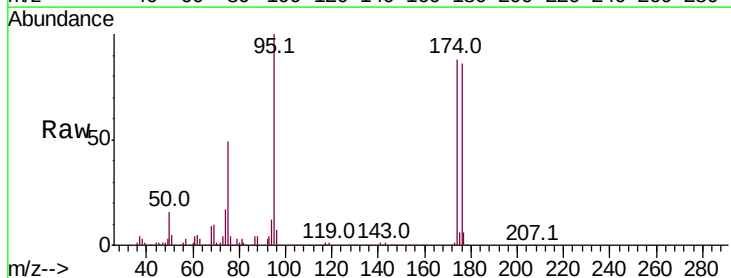
Acq: 24 Oct 2020 05:14

Tgt Ion: 75 Resp: 99833

Ion Ratio Lower Upper

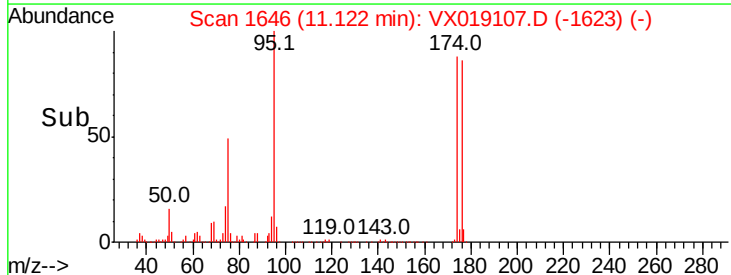
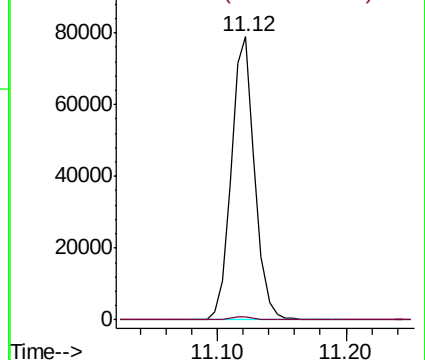
75 100

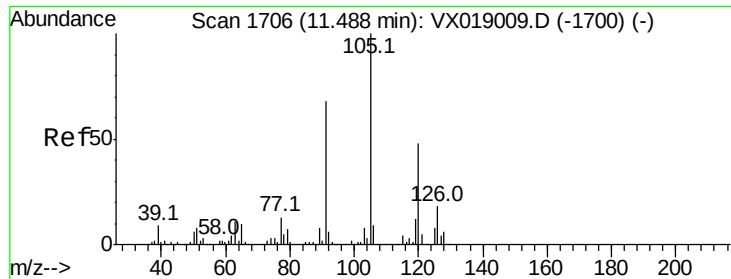
77 1.1 20.7 62.1#



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: 0.281 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

Instrument :

MSVOA_X

ClientSampleId :

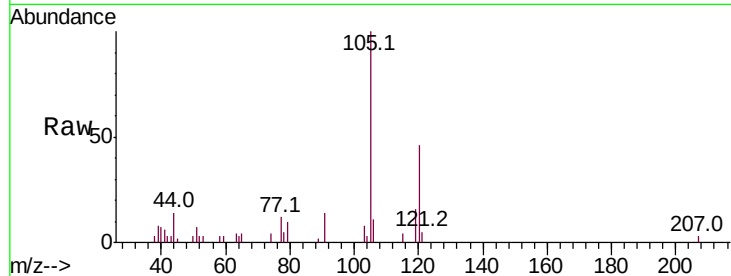
PB132563TB

Tot Ion:105 Resp: 3659

Ion Ratio Lower Upper

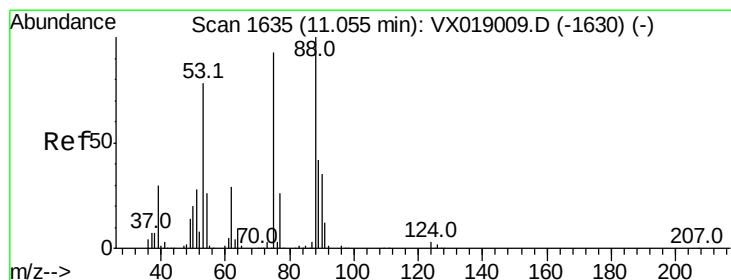
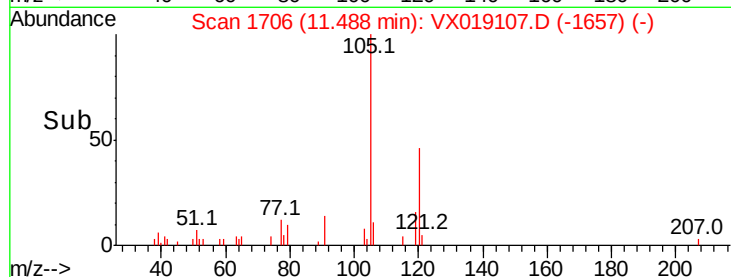
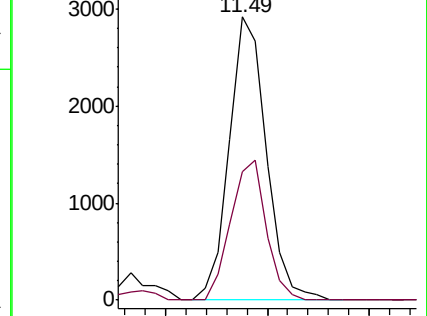
105 100

120 47.3 25.2 75.6



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: 58.148 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019107.D

Acq: 24 Oct 2020 05:14

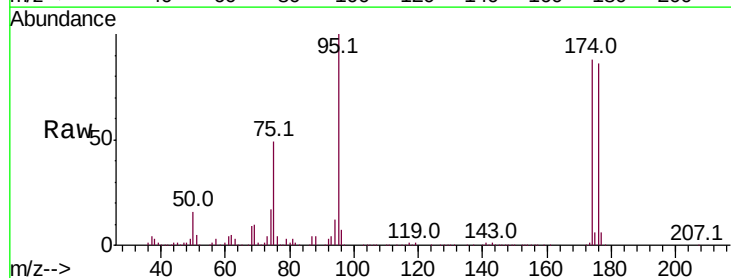
Tgt Ion: 75 Resp: 99833

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#



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

