

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019110.D
 Acq On : 24 Oct 2020 06:21
 Operator : JC/SP
 Sample : PB132563ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132563ZHE#09

Quant Time: Oct 26 05:40:22 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	260591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	451400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220985	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	161254	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	5.46	113	141924	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.70	98	563075	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.12	95	200893	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

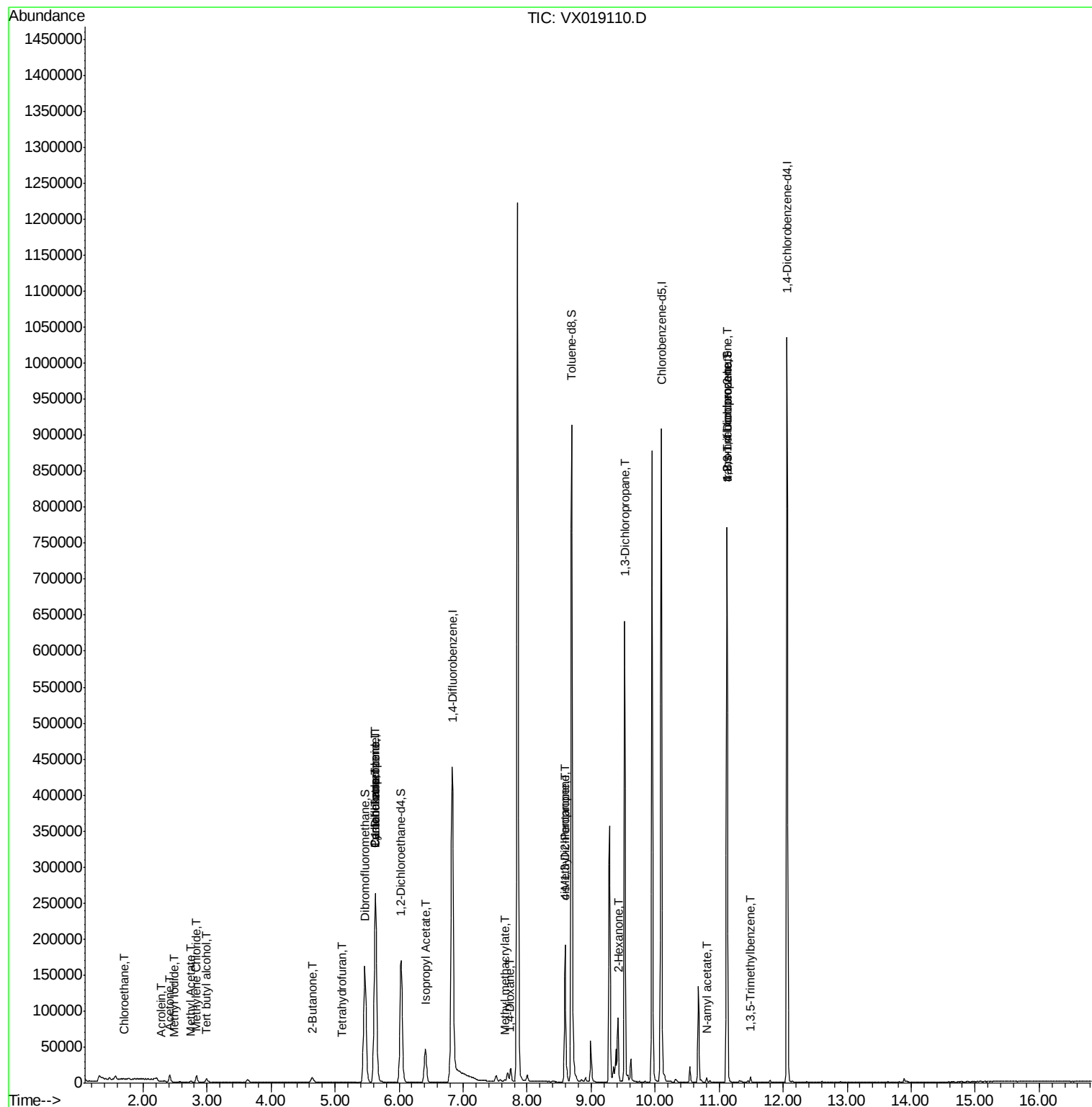
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	213	Below Cal	#	64
6) Chloroethane	1.70	64	94	1.308	ug/l	94
10) Methyl Iodide	2.50	142	27	4.777	ug/l #	42
11) Tert butyl alcohol	2.99	59	3081	4.873	ug/l #	77
13) Acrolein	2.28	56	110	14.061	ug/l #	16
16) Acetone	2.42	43	9728	9.150	ug/l	95
18) Methyl Acetate	2.75	43	2425	0.919	ug/l	96
20) Methylene Chloride	2.84	84	4440	1.500	ug/l	88
25) 2-Butanone	4.65	43	3124	1.860	ug/l #	80
29) Tetrahydrofuran	5.10	42	864	0.860	ug/l #	61
31) Cyclohexane	5.62	56	4971	1.360	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	19584	4.835	ug/l #	48
38) Carbon Tetrachloride	5.63	117	25281	5.947	ug/l #	16
43) Isopropyl Acetate	6.41	43	60438	10.323	ug/l	99
48) Methyl methacrylate	7.65	41	2954	1.024	ug/l #	5
49) 1,4-Dioxane	7.72	88	24	0.368	ug/l #	29
51) 4-Methyl-2-Pentanone	8.59	43	60466	17.526	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	34181	6.708	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	5895	1.156	ug/l #	42
59) 2-Hexanone	9.42	43	63387	24.654	ug/l #	17
74) N-amyl acetate	10.81	43	2684	0.527	ug/l #	41
76) 1,2,3-Trichloropropane	11.12	75	100673	22.793	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	3630	0.277	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.12	75	100673	58.071	ug/l #	15

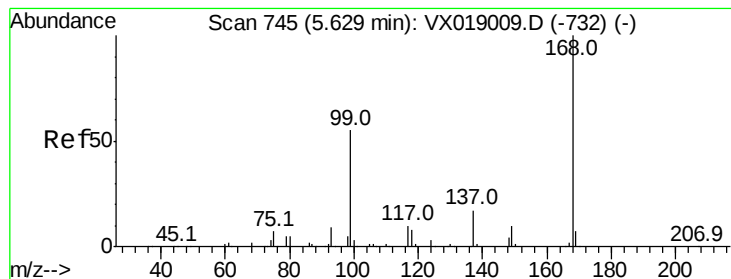
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
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Instrument :
MSVOA_X
ClientSampleId :
PB132563ZHE#09

Quant Time: Oct 26 05:40:22 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: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

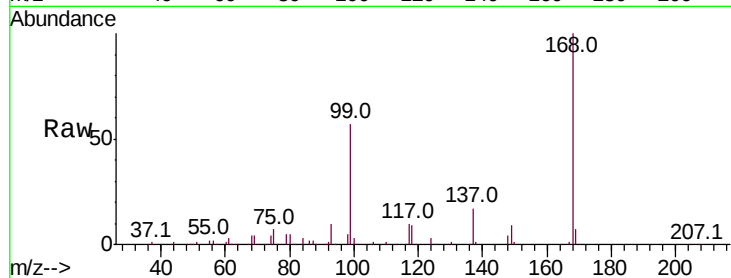
PB132563ZHE#09

Tot Ion:168 Resp: 260591

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

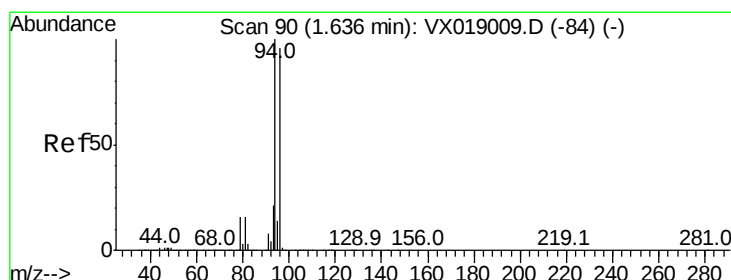
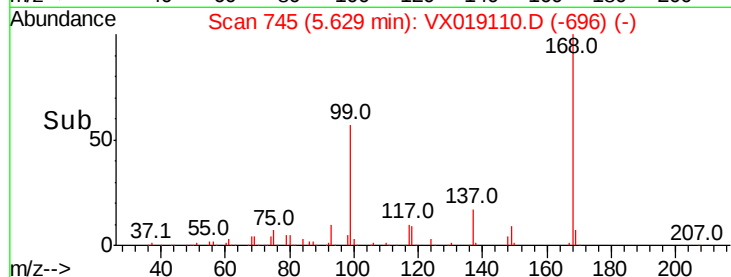
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019110.D

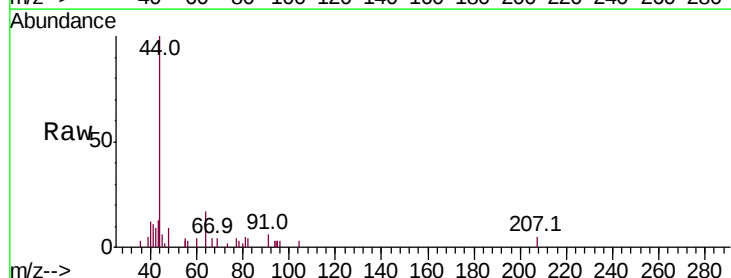
Acq: 24 Oct 2020 06:21

Tgt Ion: 94 Resp: 213

Ion Ratio Lower Upper

94 100

96 60.7 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

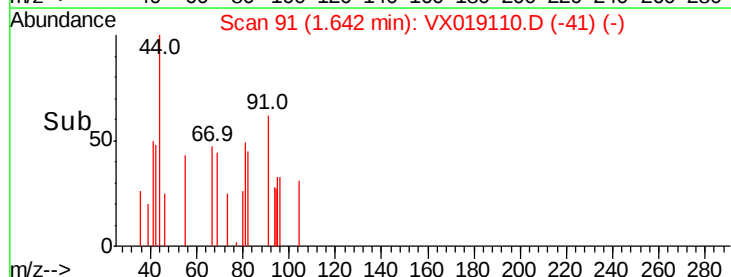
100

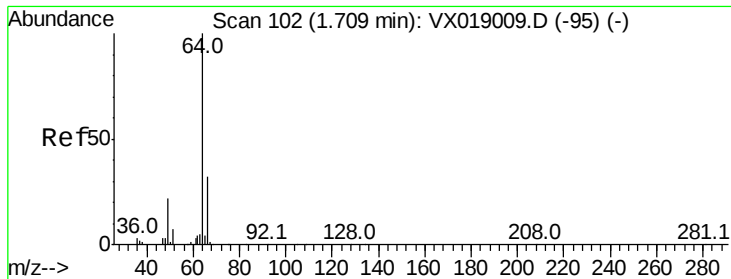
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 1.308 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

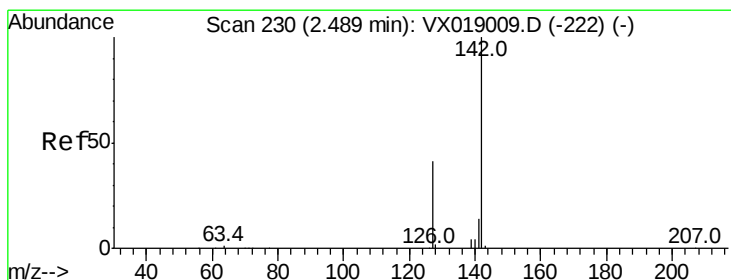
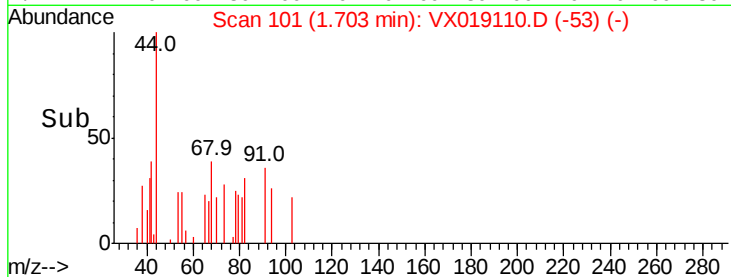
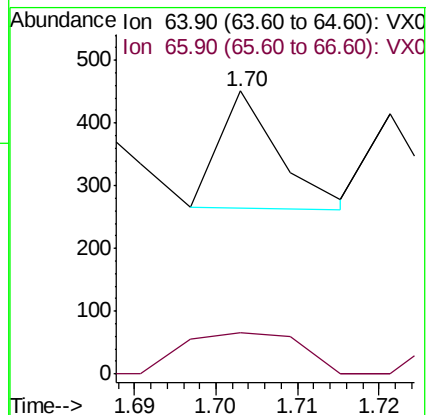
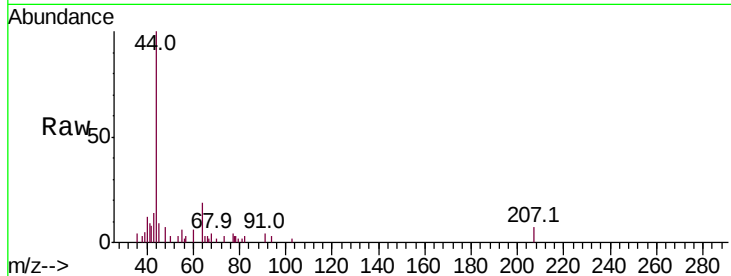
PB132563ZHE#09

Tot Ion: 64 Resp: 94

Ion Ratio Lower Upper

64 100

66 35.7 25.7 38.5



#10

Methyl Iodide

Concen: 4.777 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

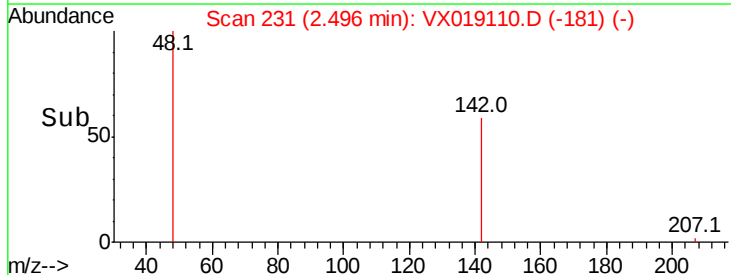
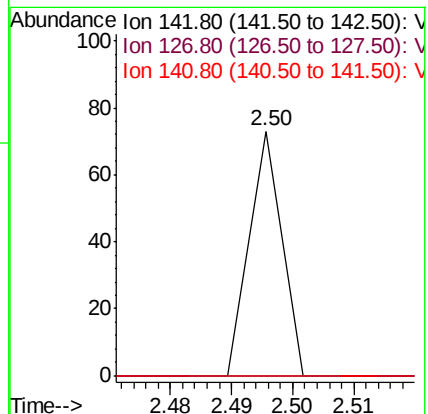
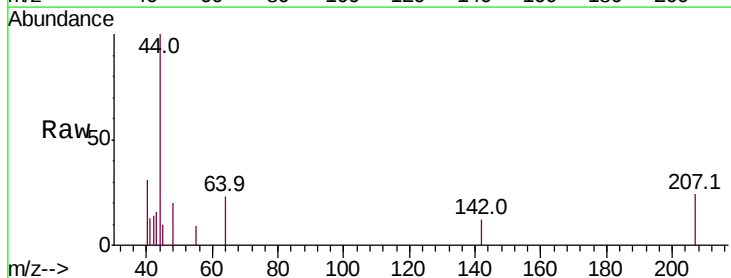
Tgt Ion: 142 Resp: 27

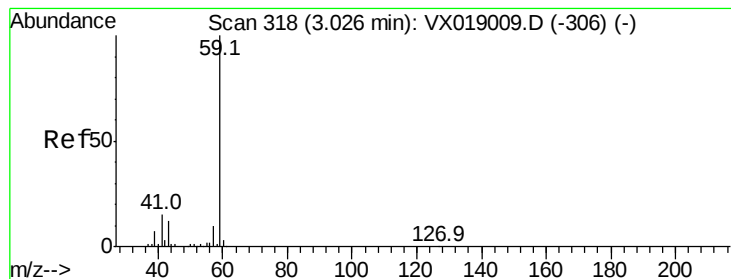
Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.2 16.8#



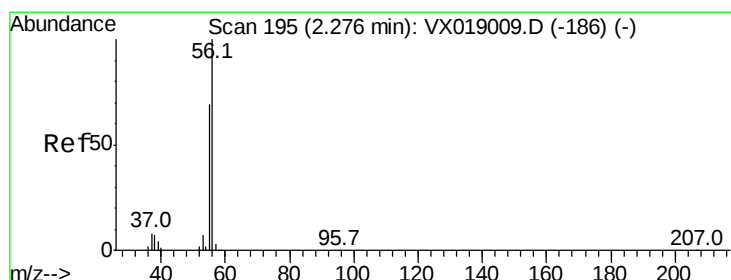
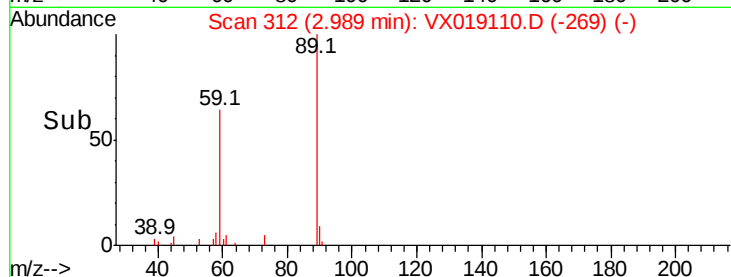
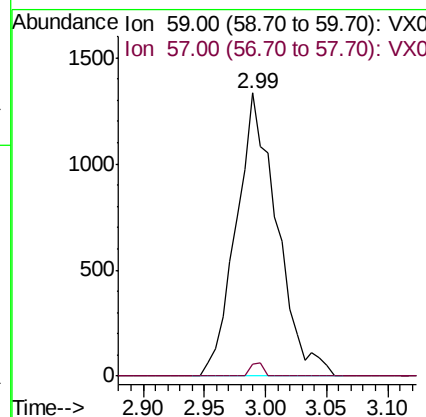
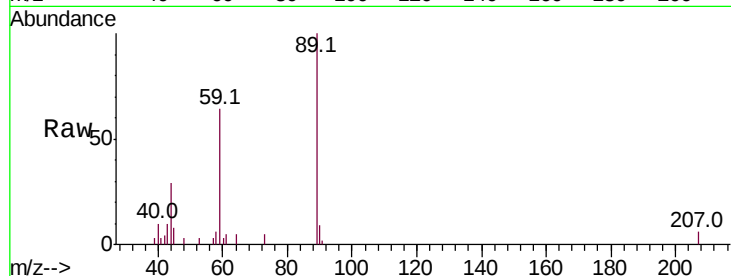


#11

Tert butyl alcohol
 Concen: 4.873 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.04 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132563ZHE#09

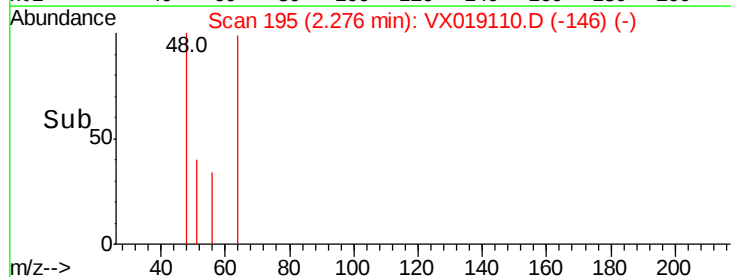
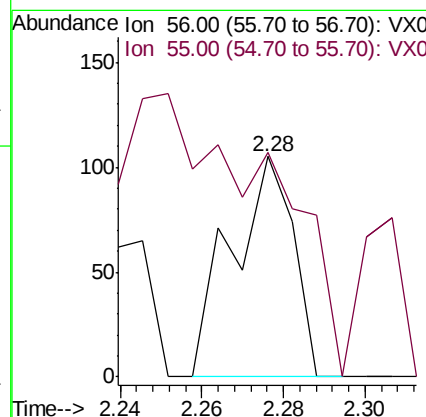
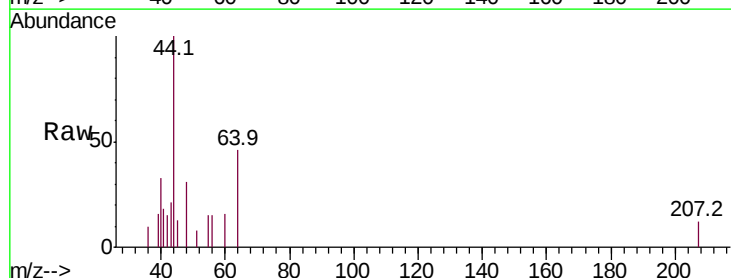
Tot Ion: 59 Resp: 3081
 Ion Ratio Lower Upper
 59 100
 57 1.5 8.2 12.2#

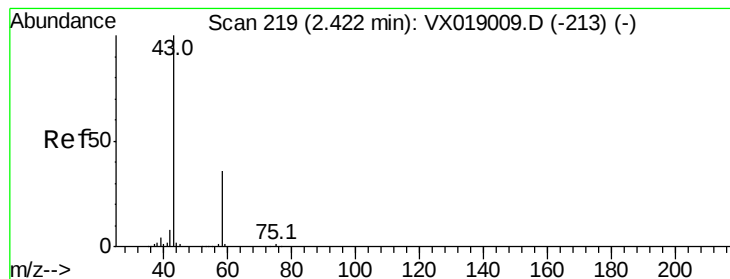


#13

Acrolein
 Concen: 14.061 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

Tgt Ion: 56 Resp: 110
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.2 81.4#





#16

Acetone

Concen: 9.150 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

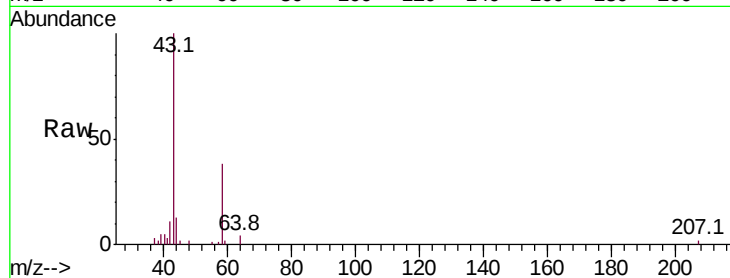
PB132563ZHE#09

Tot Ion: 43 Resp: 9728

Ion Ratio Lower Upper

43 100

58 38.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

6000

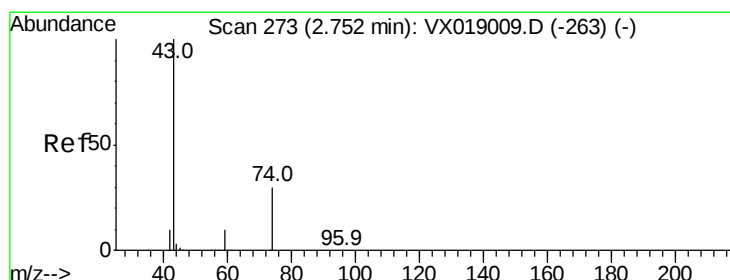
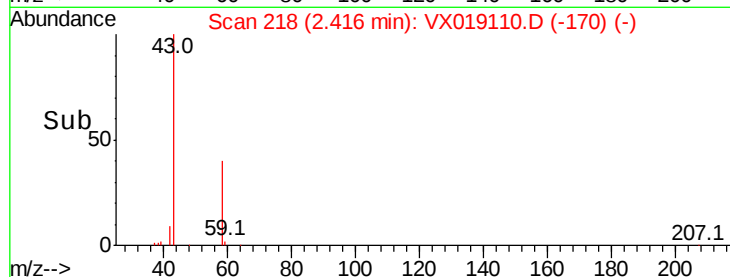
4000

2000

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.919 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX019110.D

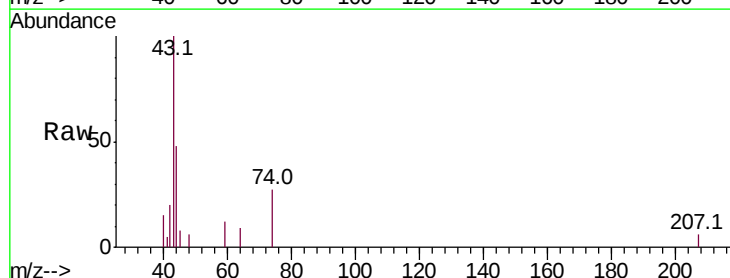
Acq: 24 Oct 2020 06:21

Tgt Ion: 43 Resp: 2425

Ion Ratio Lower Upper

43 100

74 28.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

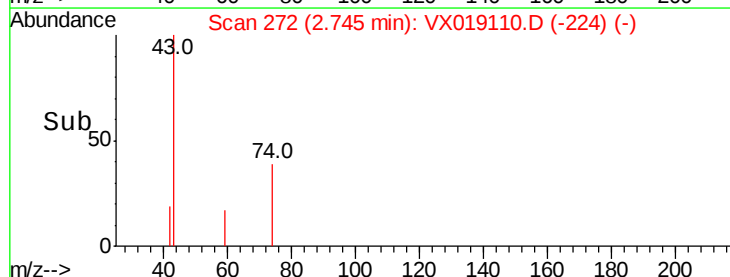
1000

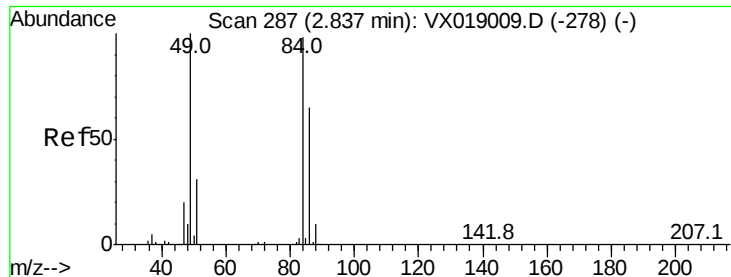
500

0

2.65 2.70 2.75 2.80 2.85

Time-->

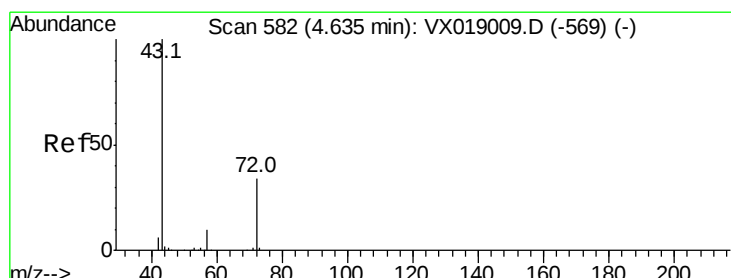
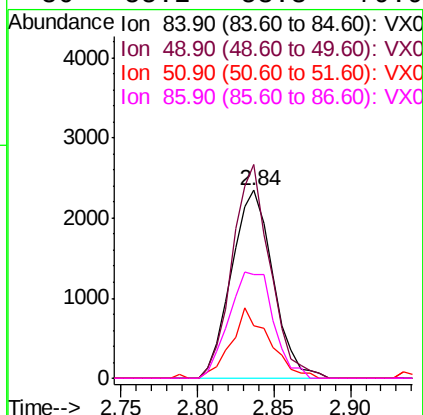
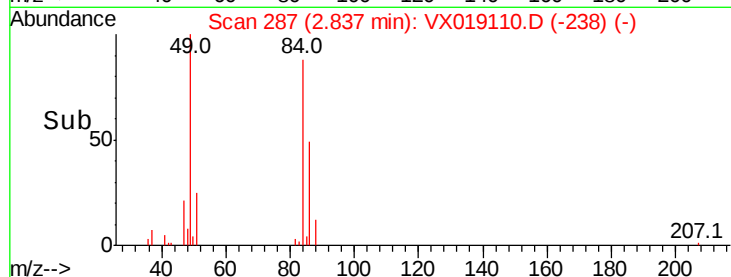
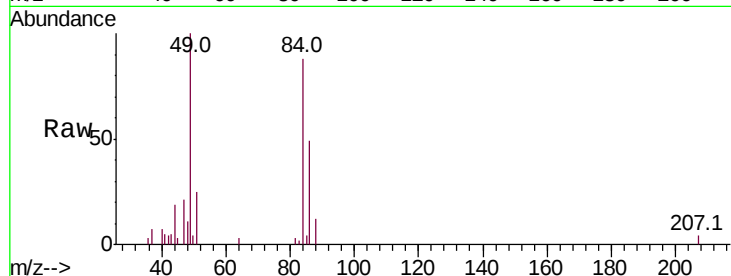




#20
Methvlene Chloride
Concen: 1.500 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

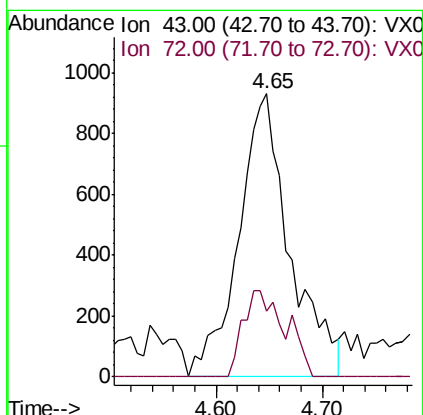
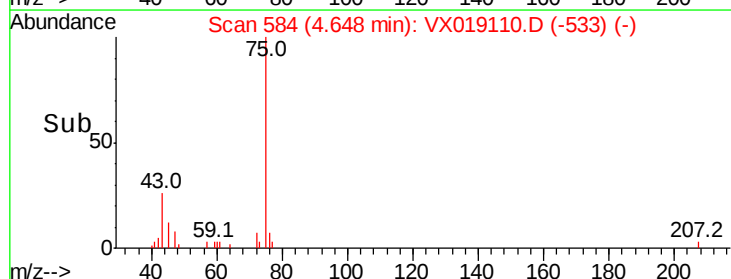
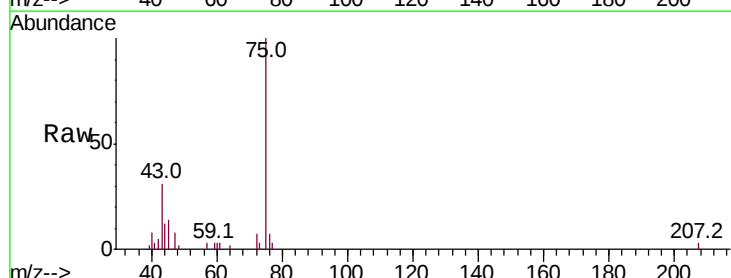
Instrument :
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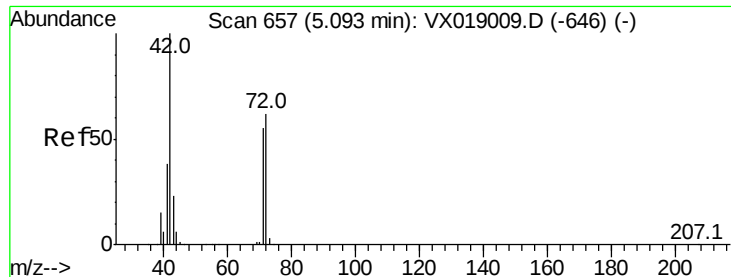
Tot Ion: 84 Resp: 4440
Ion Ratio Lower Upper
84 100
49 113.6 81.6 122.4
51 27.8 25.6 38.4
86 55.2 53.3 79.9



#25
2-Butanone
Concen: 1.860 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
72 23.3 27.8 41.6#





#29

Tetrahydrofuran

Concen: 0.860 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB132563ZHE#09

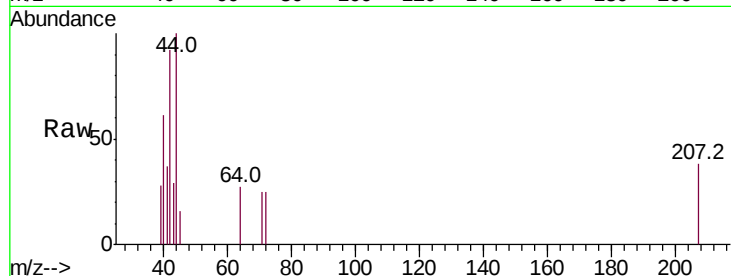
Tot Ion: 42 Resp: 864

Ion Ratio Lower Upper

42 100

72 35.8 49.1 73.7#

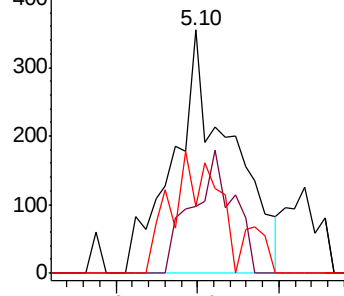
71 22.7 44.2 66.4#



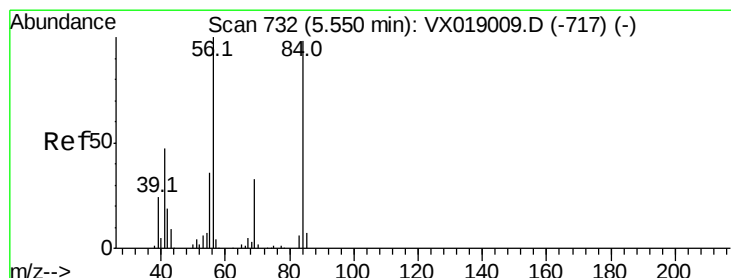
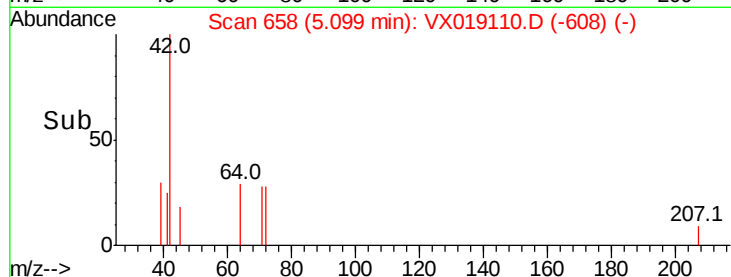
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.360 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

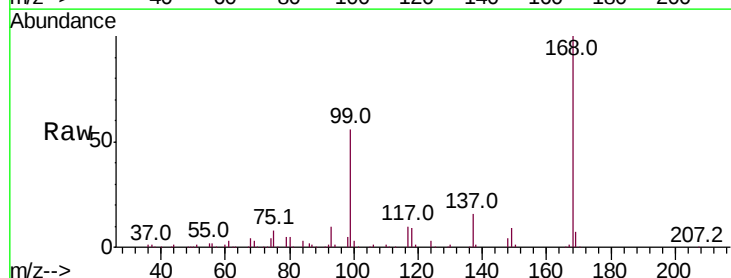
Tgt Ion: 56 Resp: 4971

Ion Ratio Lower Upper

56 100

69 164.5 26.2 39.2#

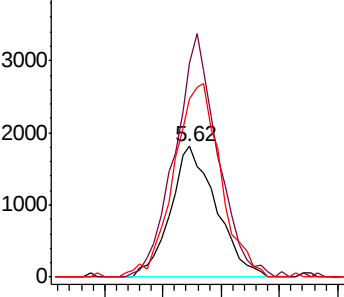
84 136.5 78.3 117.5#



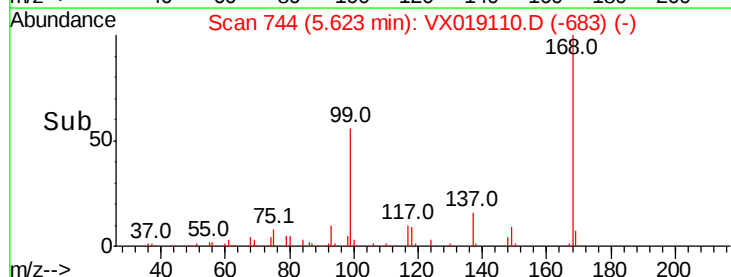
Abundance Ion 56.00 (55.70 to 56.70): VX0

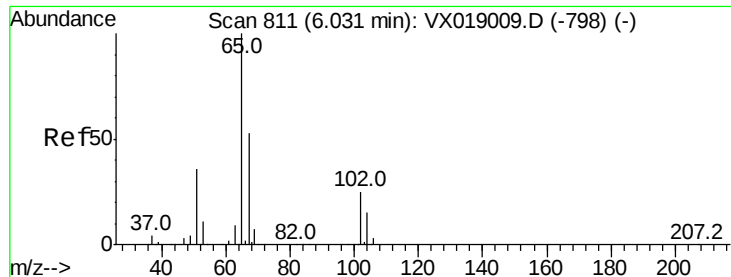
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

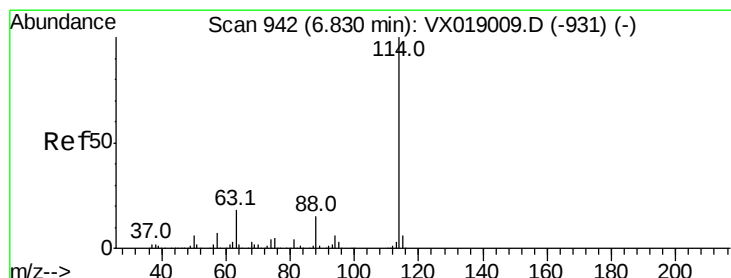
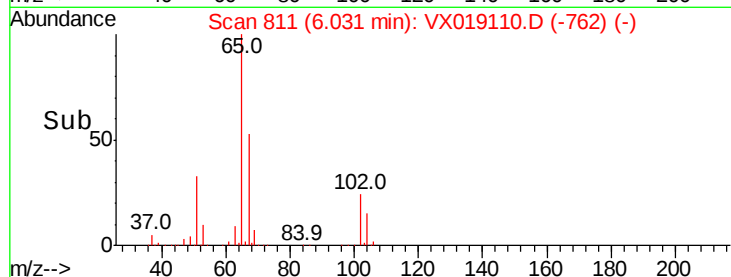
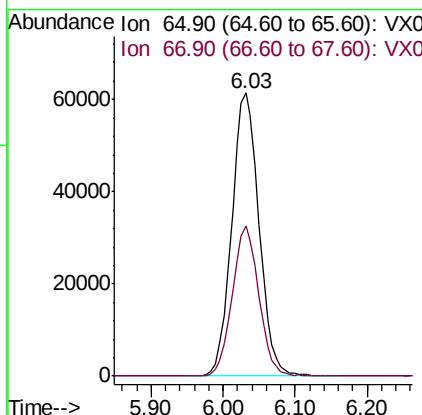
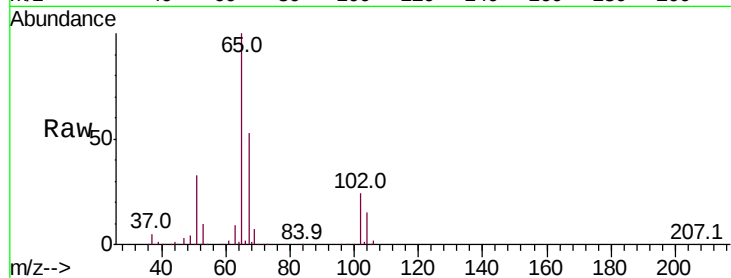




#33
 1,2-Dichloroethane-d4
 Concen: 51.660 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

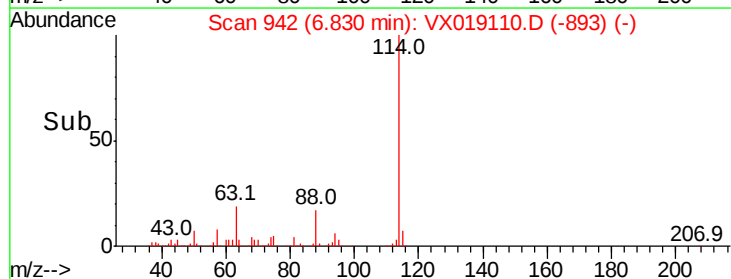
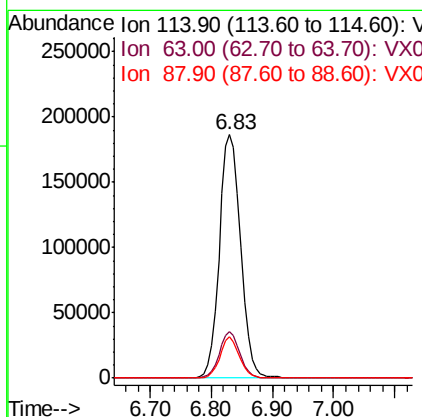
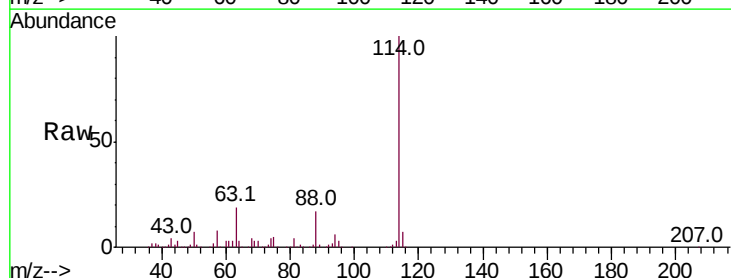
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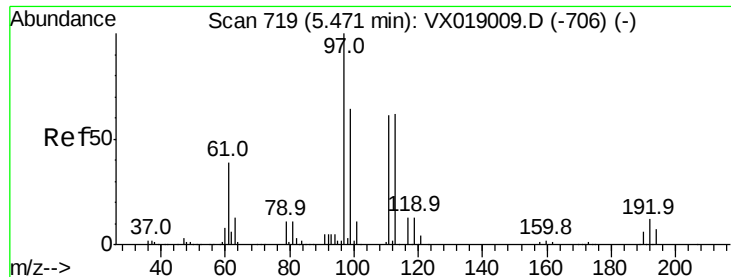
Tot Ion: 65 Resp: 161254
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

Tgt Ion: 114 Resp: 451400
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.8
 88 16.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.659 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB132563ZHE#09

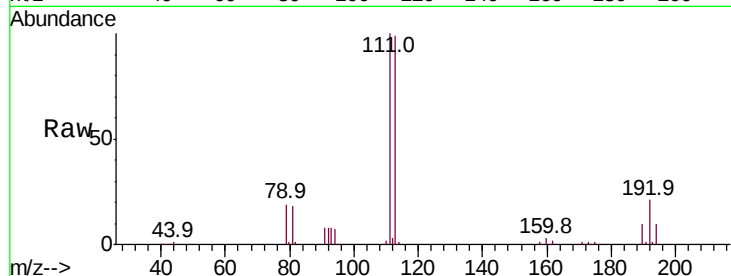
Tot Ion:113 Resp: 141924

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

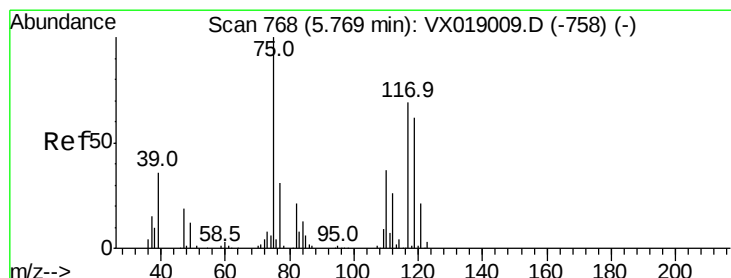
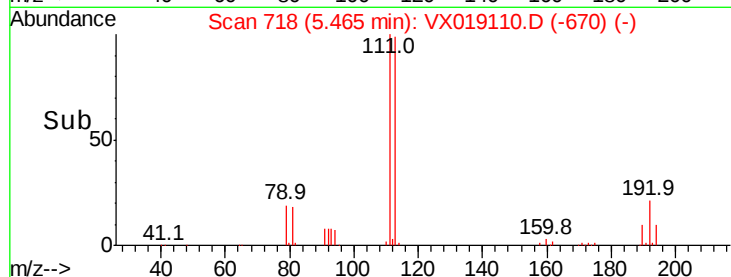
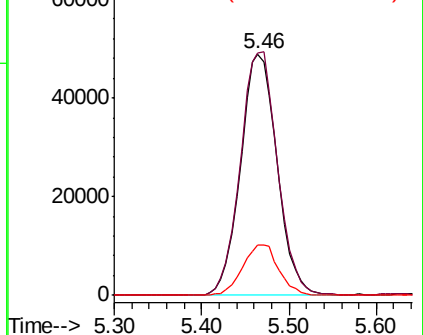
192 20.8 16.3 24.5



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: 4.835 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

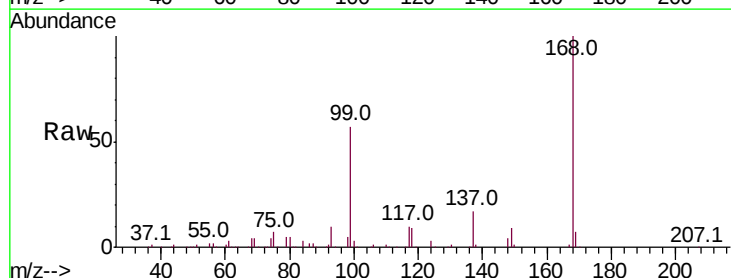
Tgt Ion: 75 Resp: 19584

Ion Ratio Lower Upper

75 100

110 9.1 19.4 58.2#

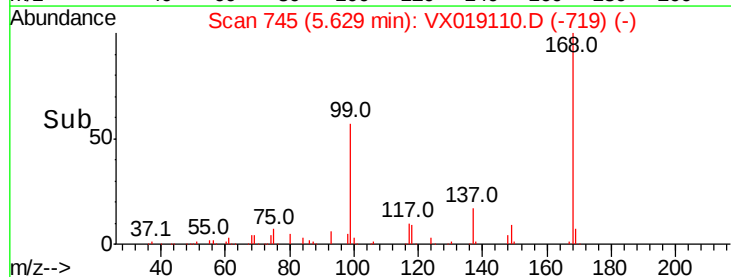
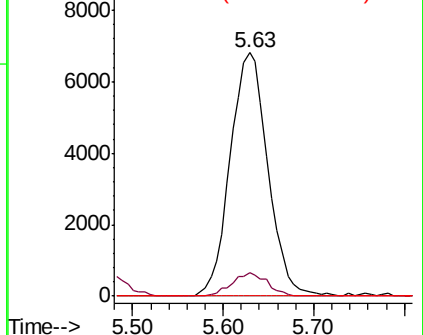
77 0.0 25.2 37.8#

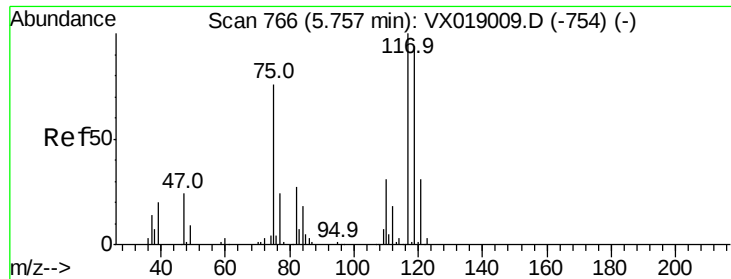


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB132563ZHE#09

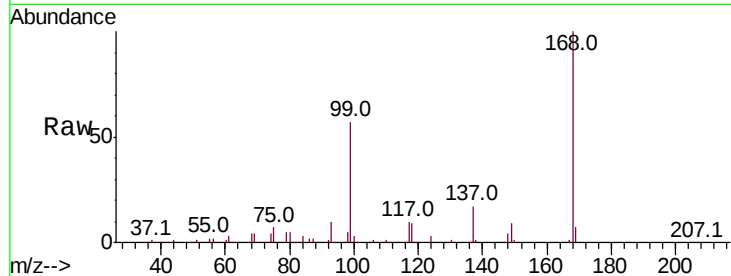
Tot Ion:117 Resp: 25281

Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.0#

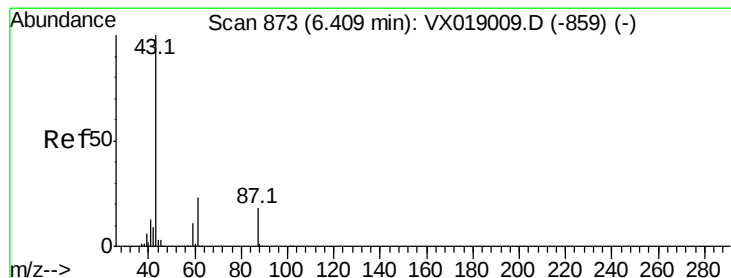
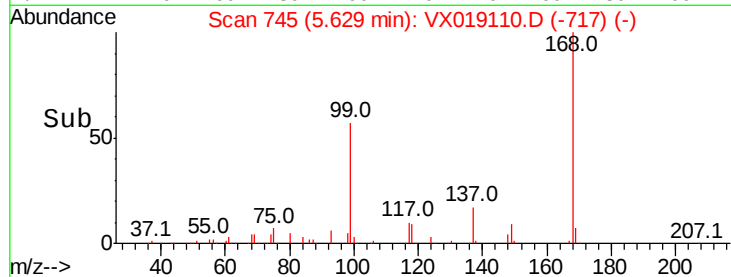
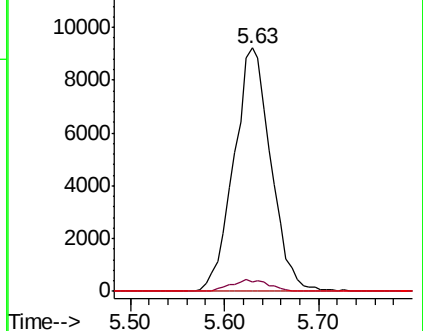
121 0.0 25.0 37.6#



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: 10.323 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

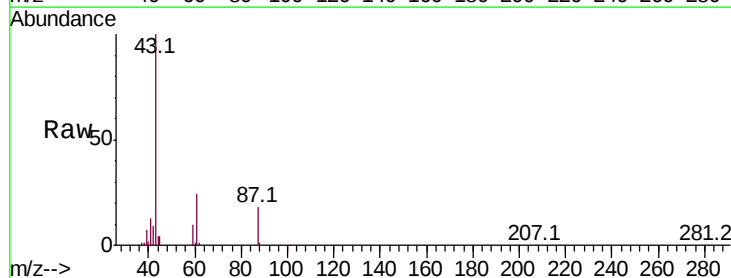
Tgt Ion: 43 Resp: 60438

Ion Ratio Lower Upper

43 100

61 23.8 18.7 28.1

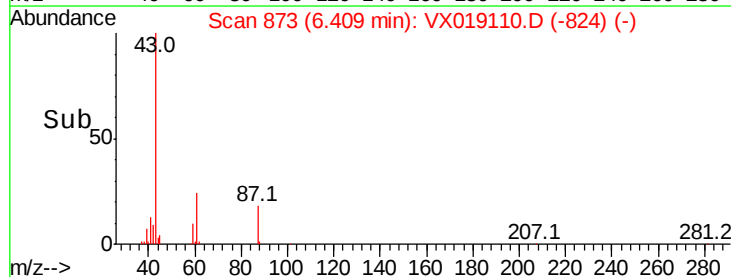
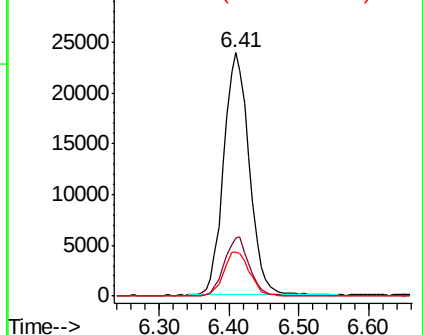
87 18.4 14.2 21.4

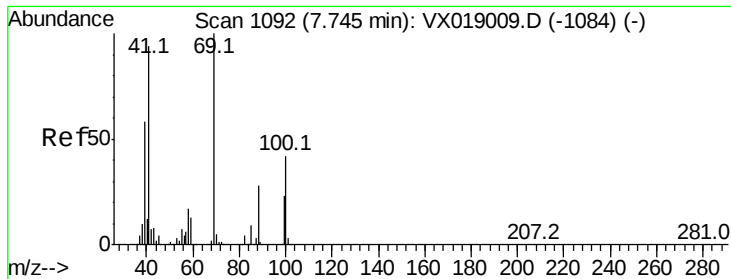


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

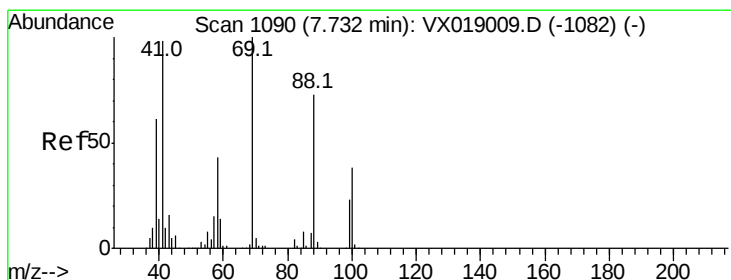
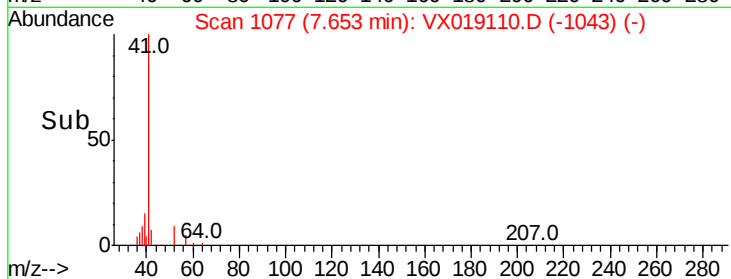
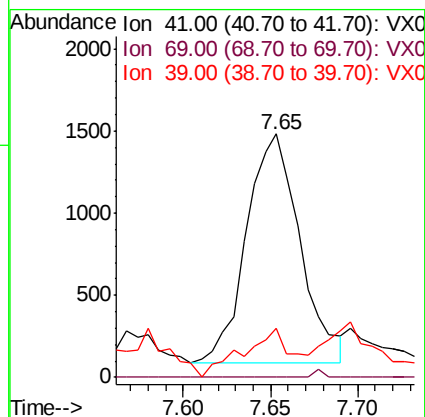
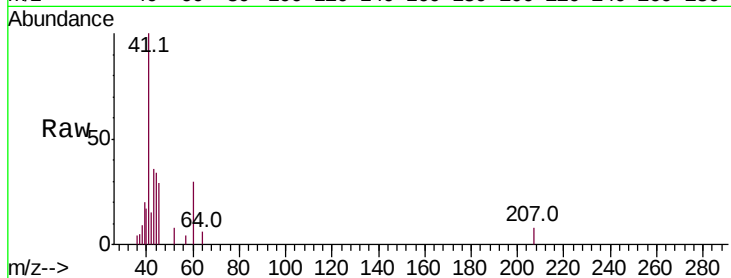




#48
Methvl methacrylate
Concen: 1.024 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

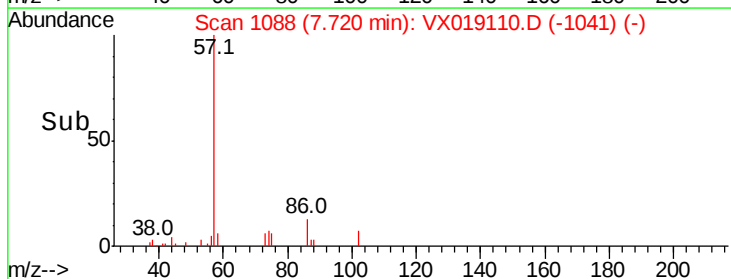
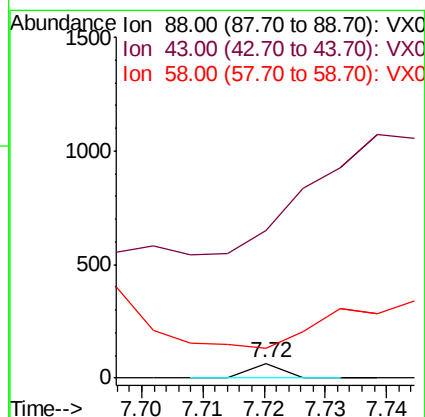
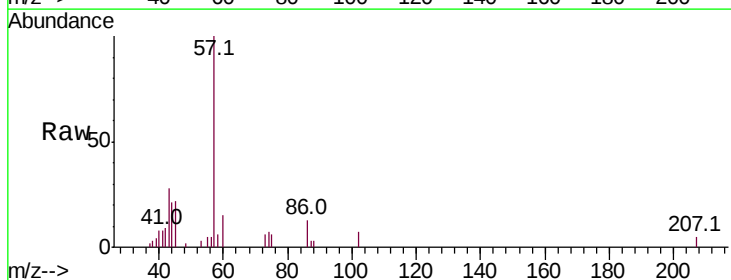
Instrument :
MSVOA_X
ClientSampleId :
PB132563ZHE#09

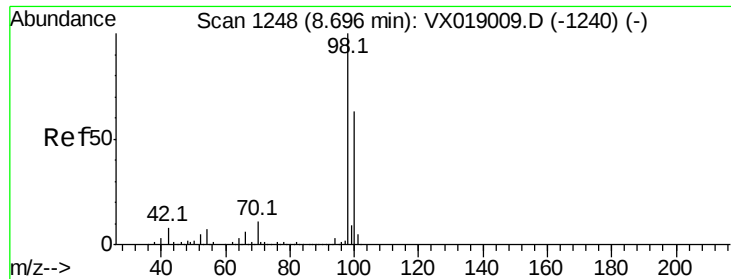
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	85.5	128.3#
39	0.0	49.3	73.9#



#49
1,4-Dioxane
Concen: 0.368 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.3	30.5#
58	0.0	48.4	72.6#





#50

Toluene-d8

Concen: 51.630 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

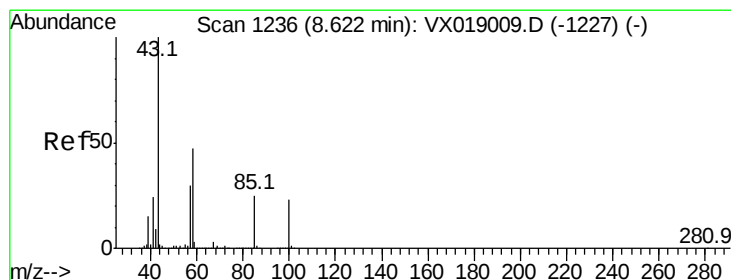
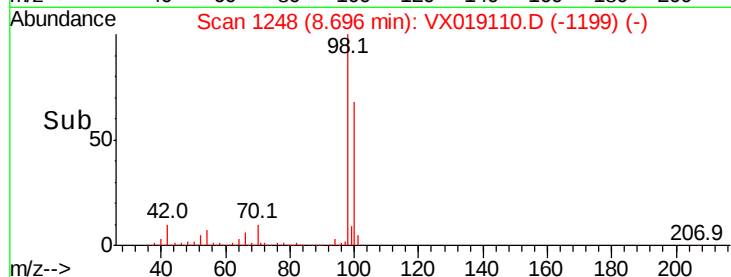
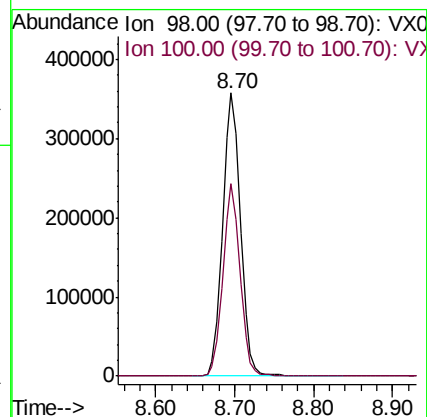
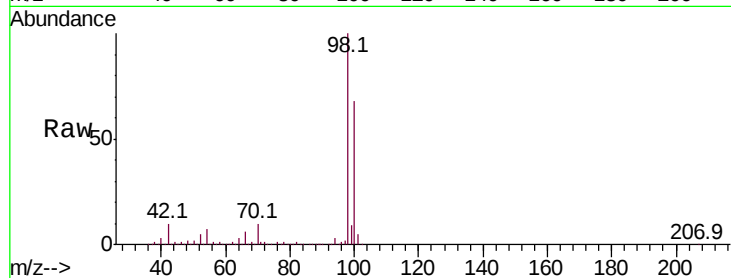
PB132563ZHE#09

Tot Ion: 98 Resp: 563075

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 17.526 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019110.D

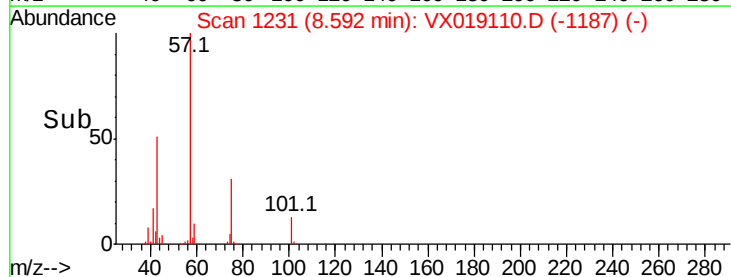
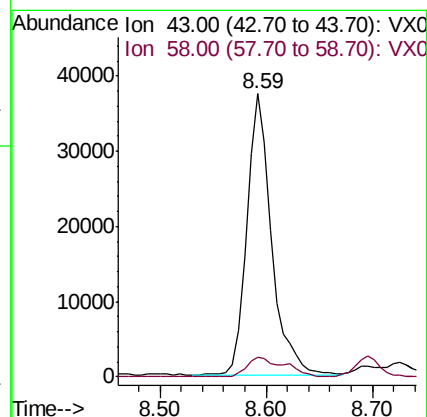
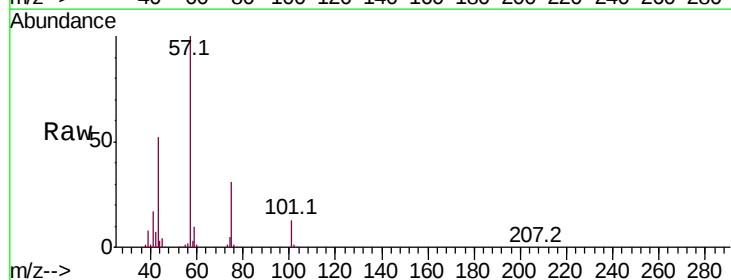
Acq: 24 Oct 2020 06:21

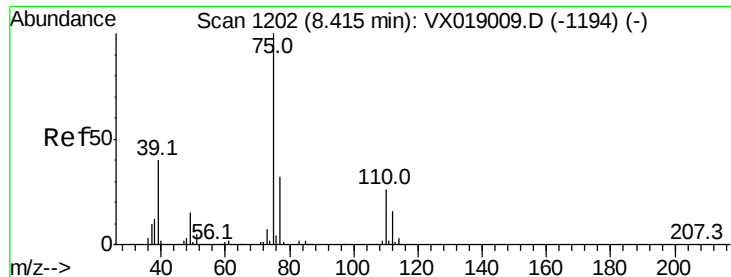
Tgt Ion: 43 Resp: 60466

Ion Ratio Lower Upper

43 100

58 10.7 37.4 56.0#



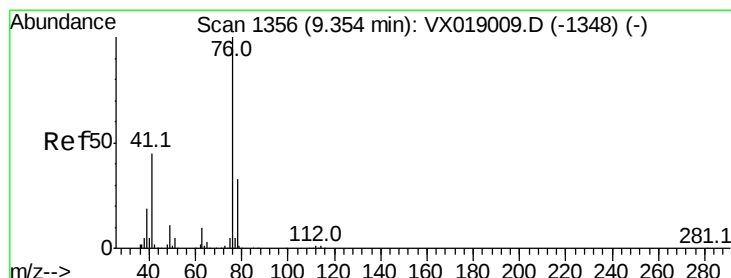
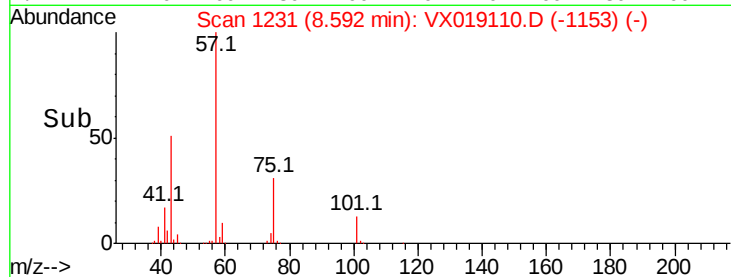
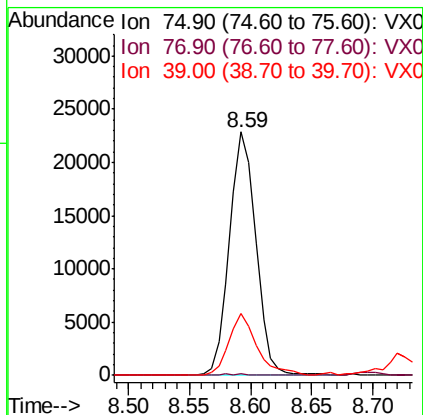
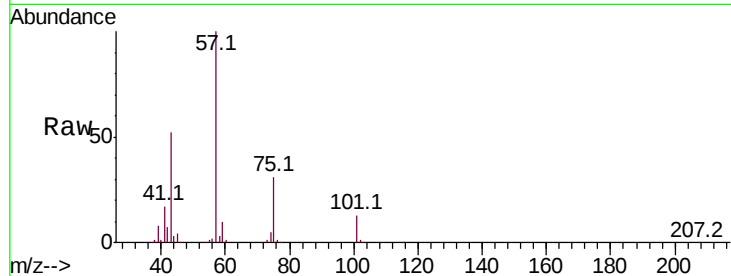


#54

cis-1,3-Dichloropropene
 Concen: 6.708 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132563ZHE#09

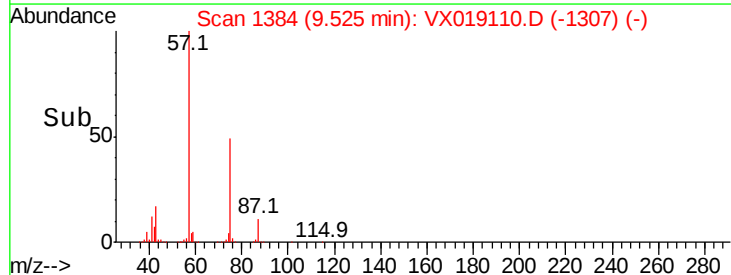
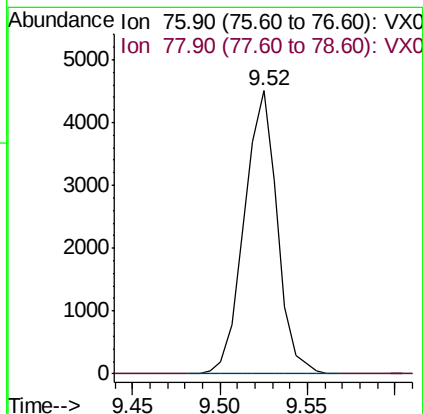
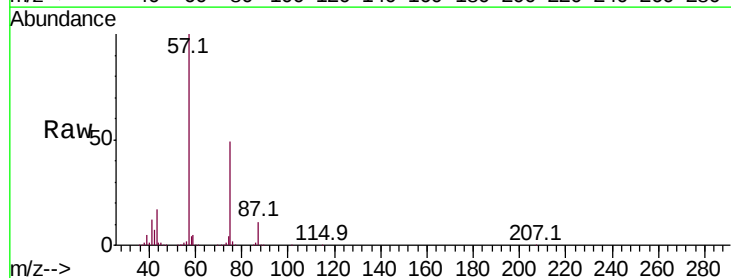
Tot Ion: 75 Resp: 34181
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.9 38.9#
 39 25.1 31.7 47.5#

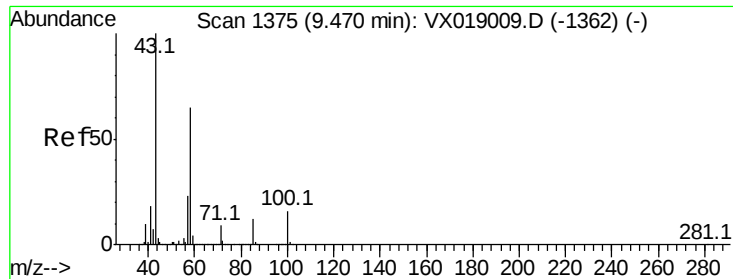


#57

1,3-Dichloropropane
 Concen: 1.156 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019110.D
 Acq: 24 Oct 2020 06:21

Tgt Ion: 76 Resp: 5895
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

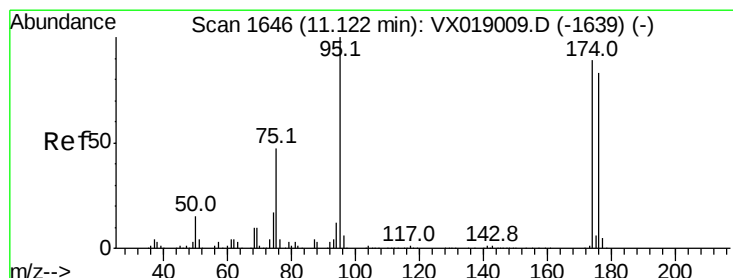
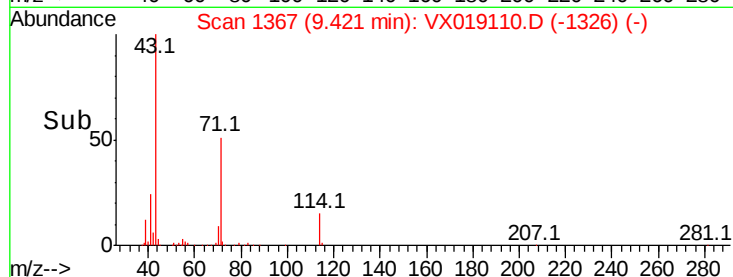
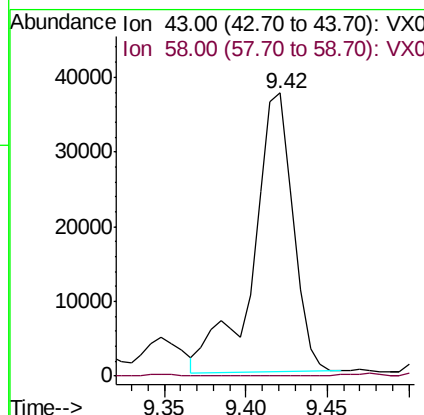
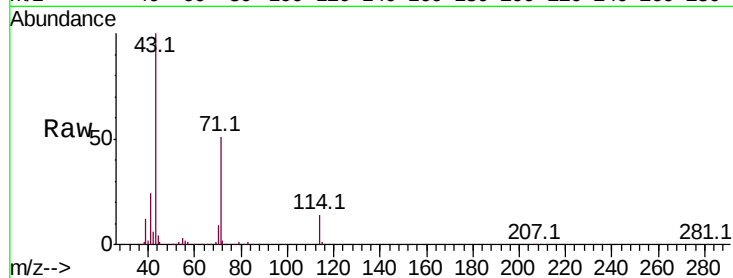




#59
2-Hexanone
Concen: 24.654 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

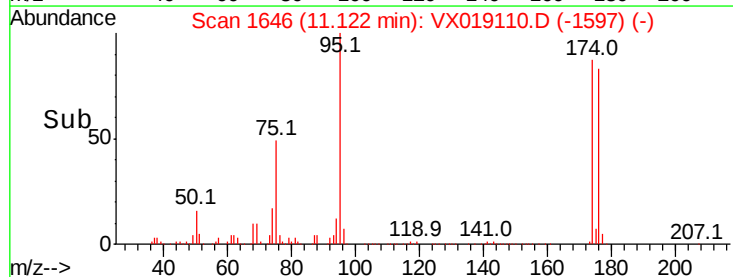
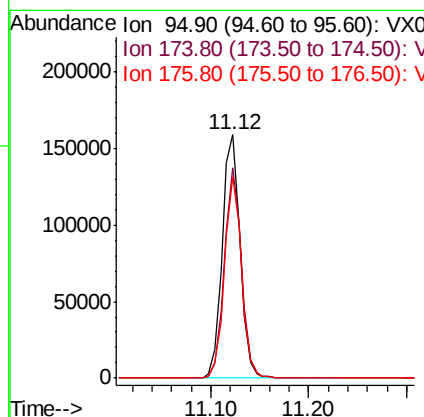
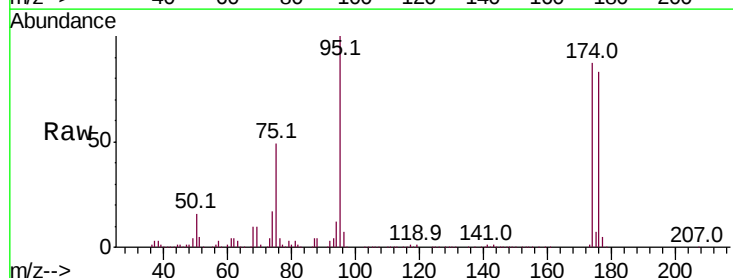
Instrument :
MSVOA_X
ClientSampleId :
PB132563ZHE#09

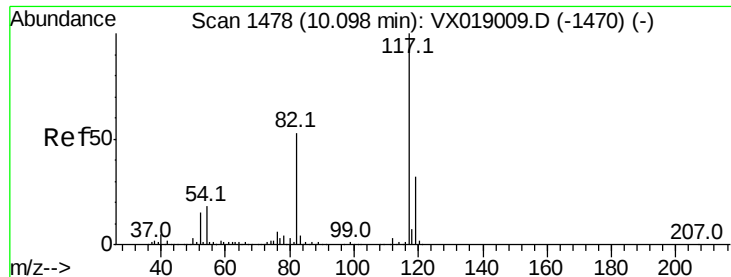
Tot Ion: 43 Resp: 63387
Ion Ratio Lower Upper
43 100
58 0.0 32.8 98.4#



#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

Tgt Ion: 95 Resp: 200893
Ion Ratio Lower Upper
95 100
174 82.9 0.0 167.6
176 79.1 0.0 165.2

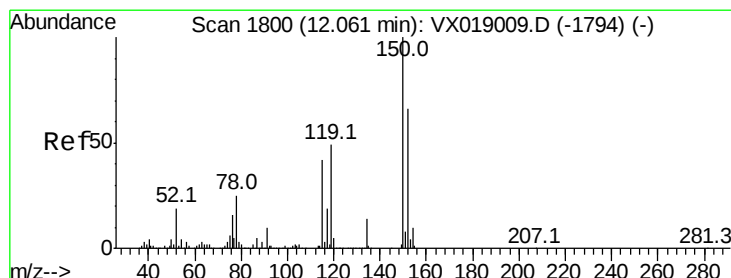
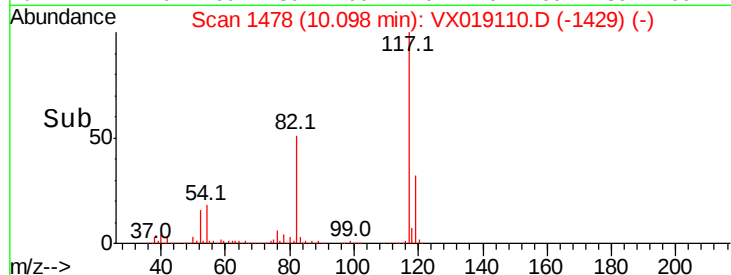
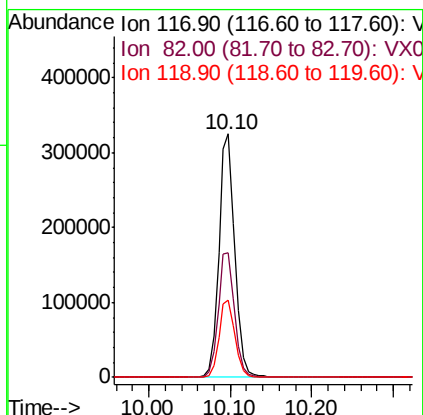
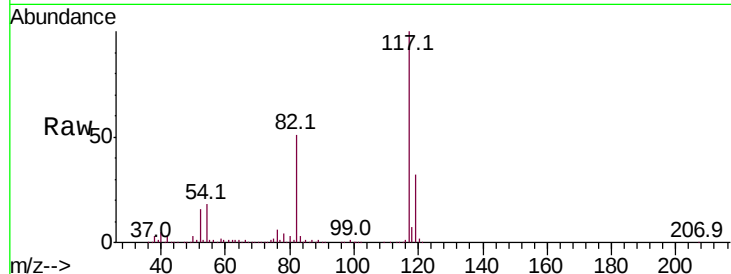




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

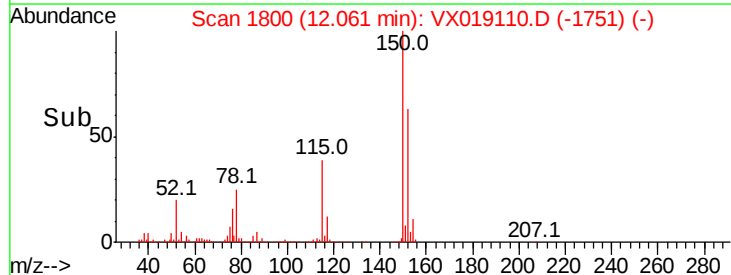
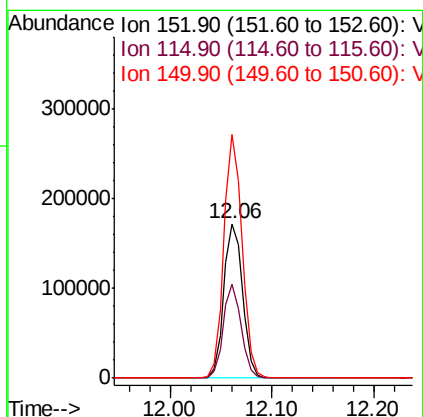
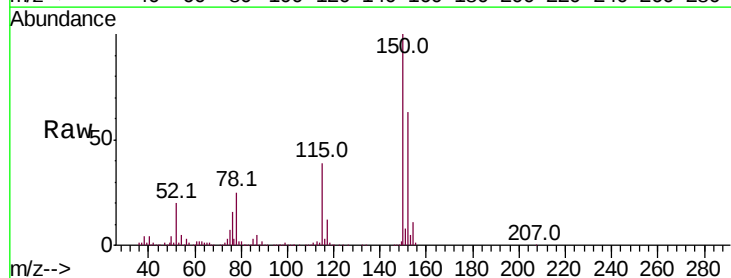
Instrument :
MSVOA_X
ClientSampleId :
PB132563ZHE#09

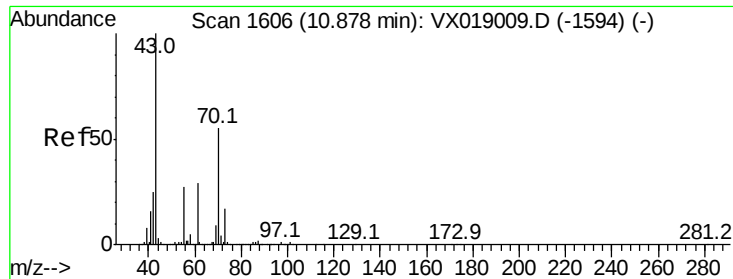
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.4	63.6
119	31.8	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019110.D
Acq: 24 Oct 2020 06:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	40.8	122.5
150	153.6	0.0	345.6





#74

N-amvl acetate

Concen: 0.527 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

PB132563ZHE#09

Tot Ion: 43 Resp: 2684

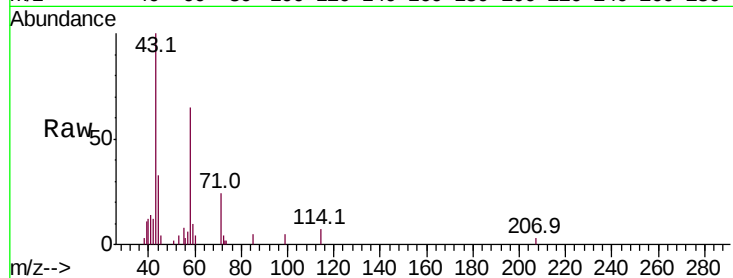
Ion Ratio Lower Upper

43 100

70 0.0 44.5 66.7#

55 13.1 21.9 32.9#

61 0.0 23.9 35.9#

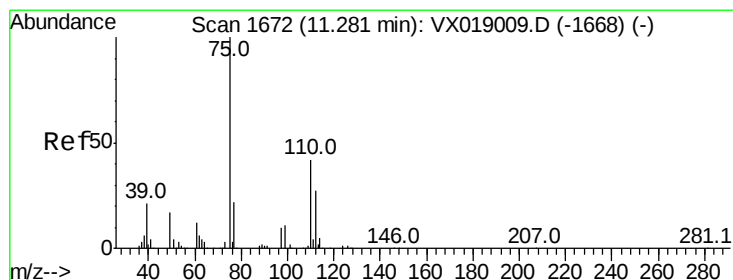
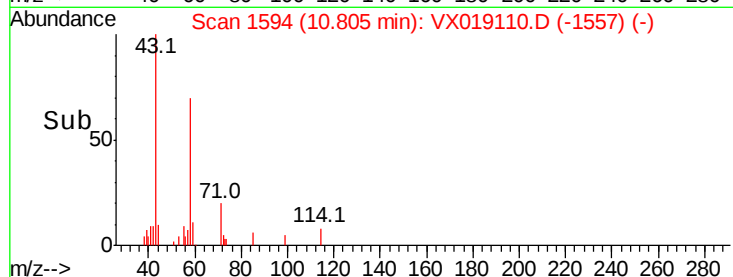
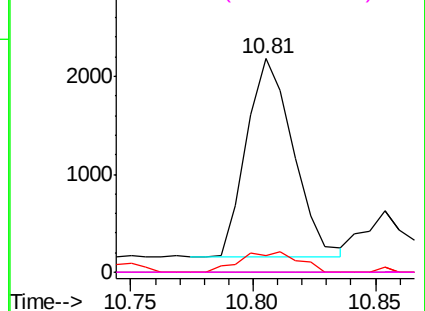


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.793 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019110.D

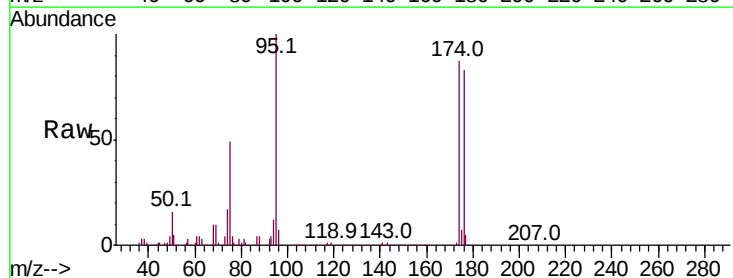
Acq: 24 Oct 2020 06:21

Tgt Ion: 75 Resp: 100673

Ion Ratio Lower Upper

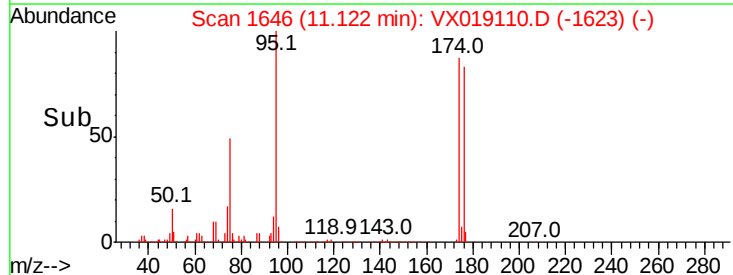
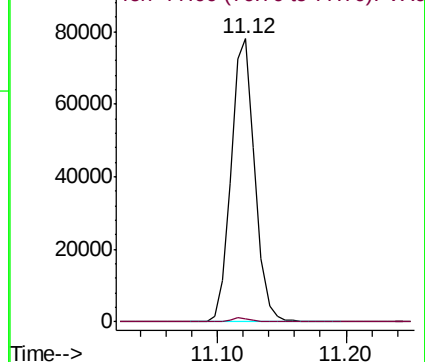
75 100

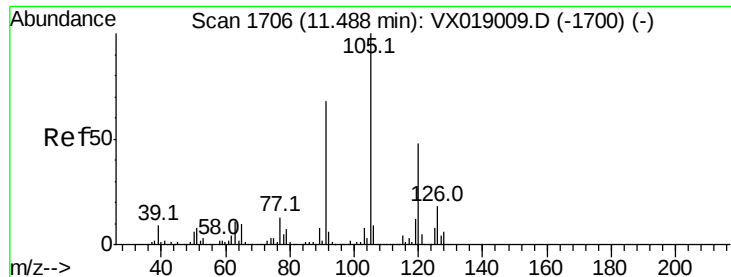
77 1.3 20.7 62.1#



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: 0.277 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

Instrument :

MSVOA_X

ClientSampleId :

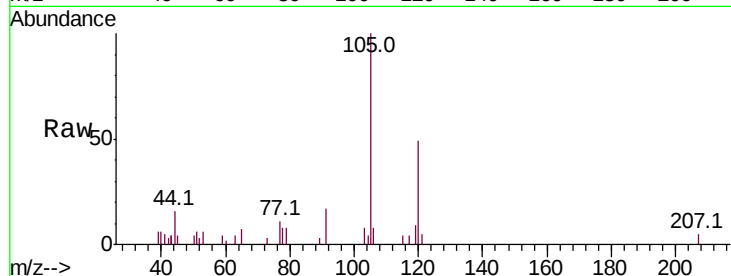
PB132563ZHE#09

Tot Ion:105 Resp: 3630

Ion Ratio Lower Upper

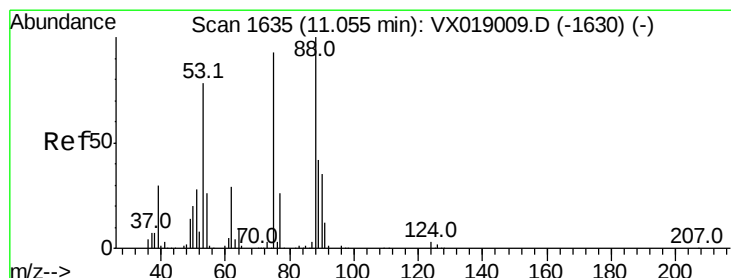
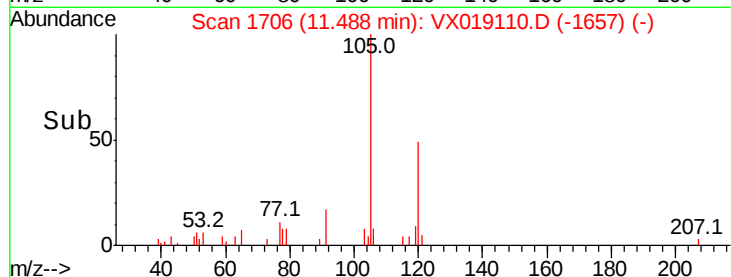
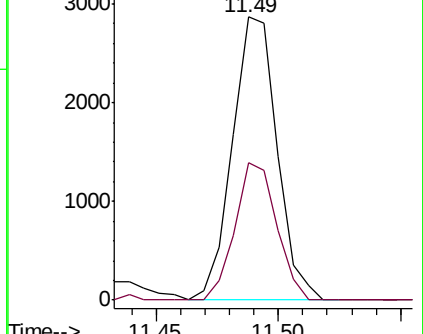
105 100

120 45.2 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: 58.071 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019110.D

Acq: 24 Oct 2020 06:21

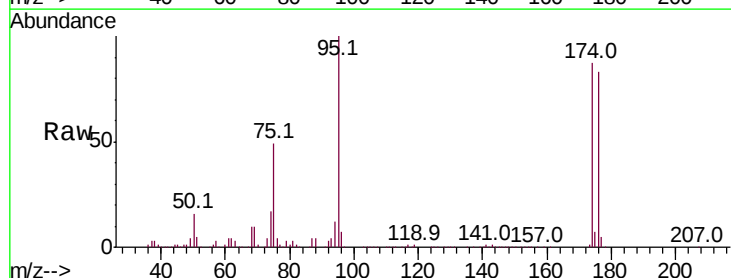
Tgt Ion: 75 Resp: 100673

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

