

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019253.D
 Acq On : 03 Nov 2020 23:01
 Operator : JC/MD
 Sample : PB132784ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#03

Quant Time: Nov 04 02:26:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	319215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	567582	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	565105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	288725	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	218342	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	5.46	113	175666	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.70	98	722316	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	11.12	95	281761	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	

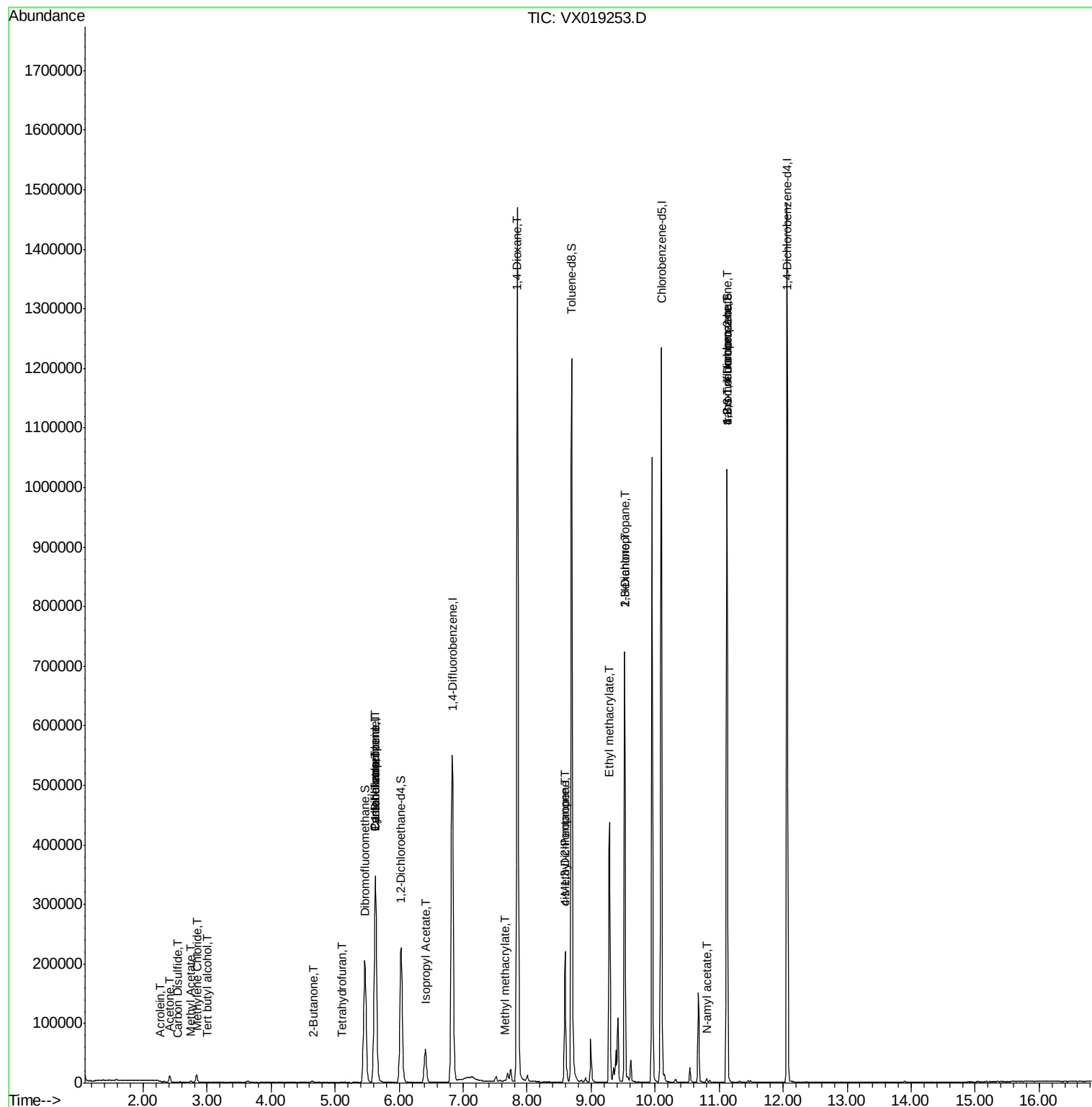
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	847	1.042	ug/l #	79
13) Acrolein	2.27	56	26	5.718	ug/l #	1
16) Acetone	2.42	43	11659	8.209	ug/l	99
17) Carbon Disulfide	2.55	76	294	0.793	ug/l #	40
18) Methyl Acetate	2.75	43	3523	1.020	ug/l #	86
20) Methylene Chloride	2.84	84	6075	1.704	ug/l	95
25) 2-Butanone	4.65	43	2539	1.134	ug/l	89
29) Tetrahydrofuran	5.10	42	1533	1.087	ug/l #	61
31) Cyclohexane	5.63	56	6790	1.305	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	26064	4.973	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33870	6.340	ug/l #	16
43) Isopropyl Acetate	6.41	43	75384	9.252	ug/l	98
48) Methyl methacrylate	7.65	41	3806	0.970	ug/l #	9
49) 1,4-Dioxane	7.85	88	255	2.924	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	74295	15.864	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	36979	5.803	ug/l #	60
56) Ethyl methacrylate	9.29	69	1165	0.204	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	6371	0.999	ug/l #	44
59) 2-Hexanone	9.52	43	80704	22.638	ug/l #	47
74) N-amyl acetate	10.80	43	3228	0.432	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	144117	24.174	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	144117	63.651	ug/l #	12

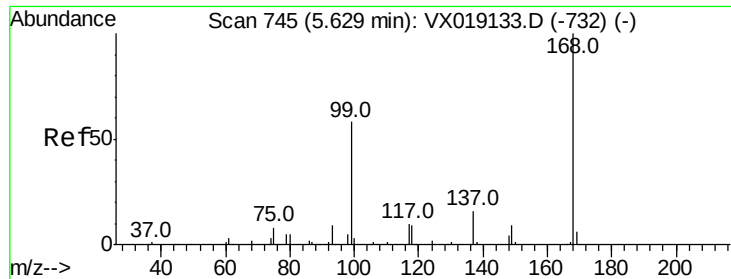
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110420\
Data File : VX019253.D
Acq On : 03 Nov 2020 23:01
Operator : JC/MD
Sample : PB132784ZHE#03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#03

Quant Time: Nov 04 02:26:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

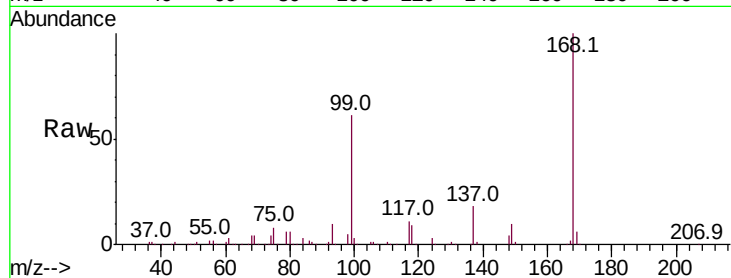
PB132784ZHE#03

Tot Ion:168 Resp: 319215

Ion Ratio Lower Upper

168 100

99 60.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

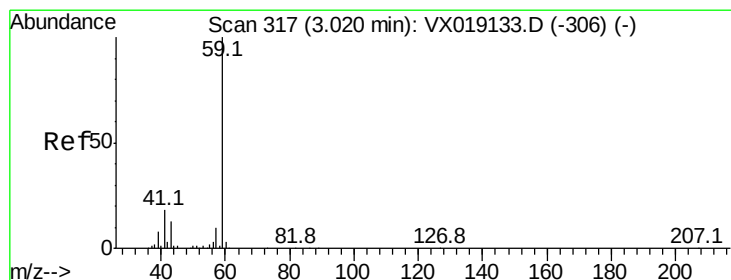
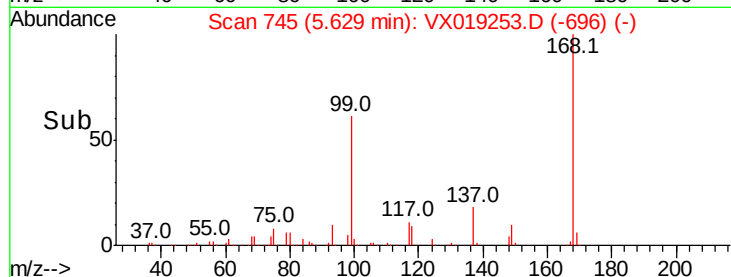
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.042 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019253.D

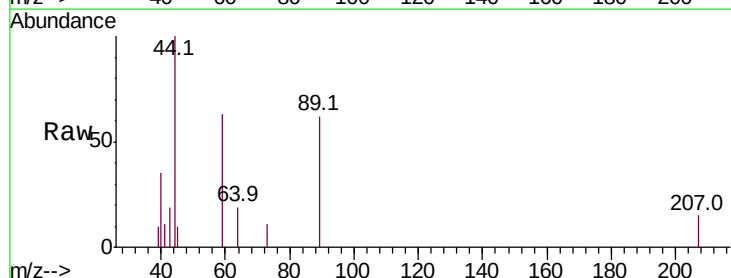
Acq: 03 Nov 2020 23:01

Tgt Ion: 59 Resp: 847

Ion Ratio Lower Upper

59 100

57 2.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

400

300

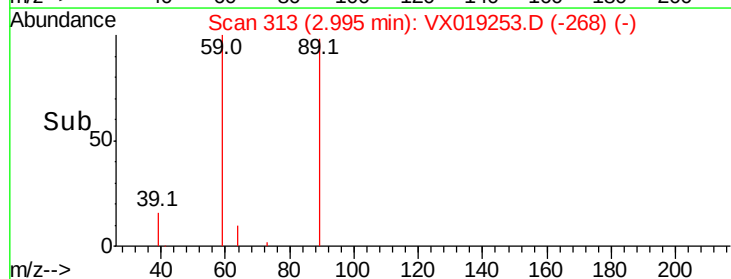
200

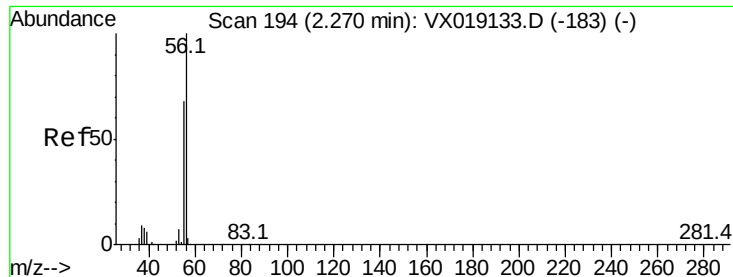
100

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 5.718 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

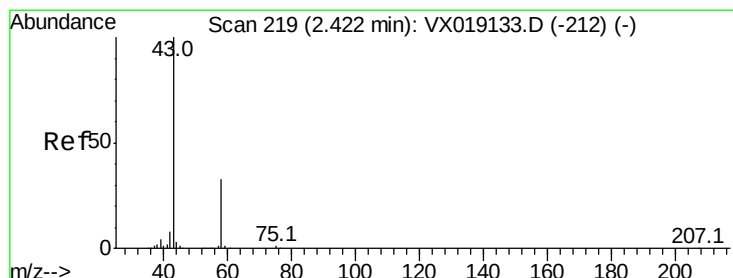
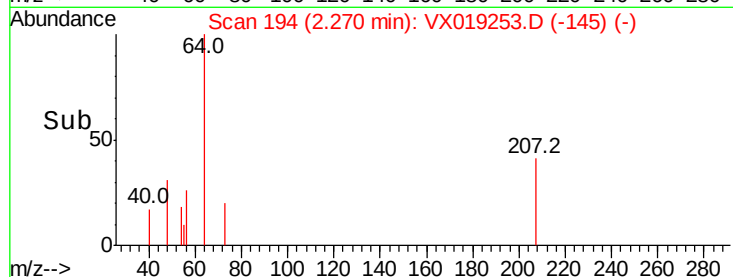
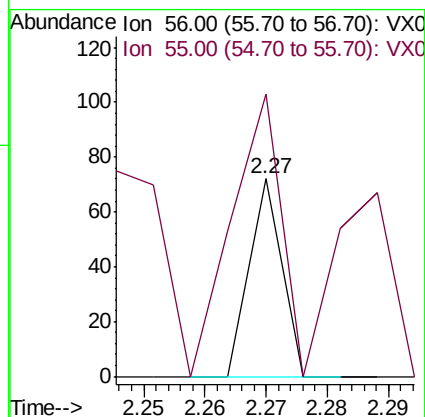
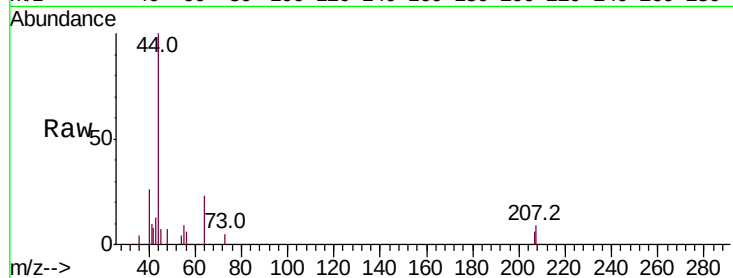
PB132784ZHE#03

Tot Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 219.2 54.7 82.1#



#16

Acetone

Concen: 8.209 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019253.D

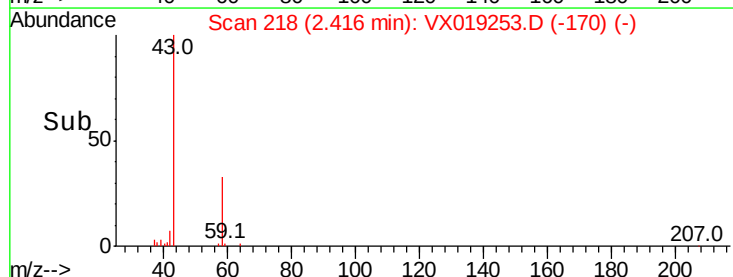
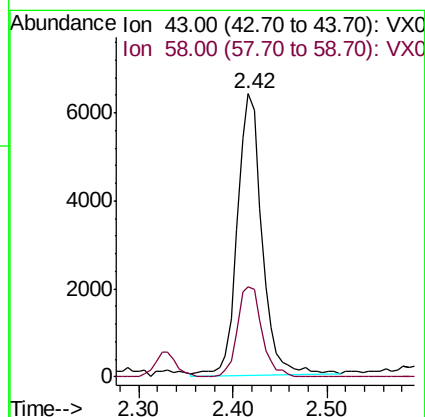
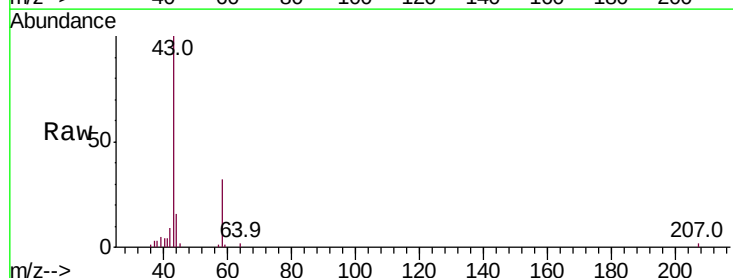
Acq: 03 Nov 2020 23:01

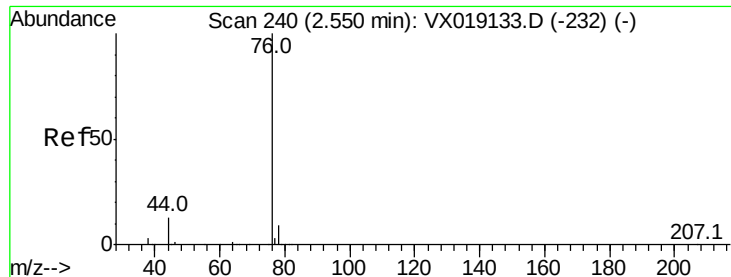
Tgt Ion: 43 Resp: 11659

Ion Ratio Lower Upper

43 100

58 32.2 26.3 39.5





#17

Carbon Disulfide

Concen: 0.793 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

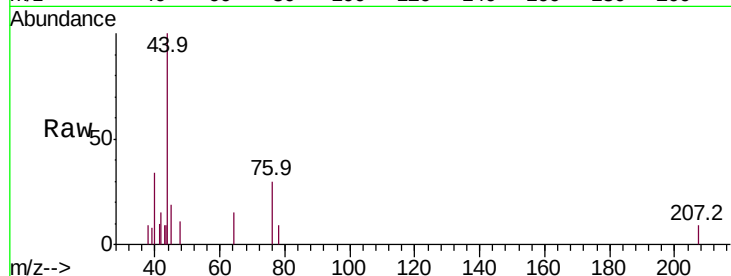
PB132784ZHE#03

Tot Ion: 76 Resp: 294

Ion Ratio Lower Upper

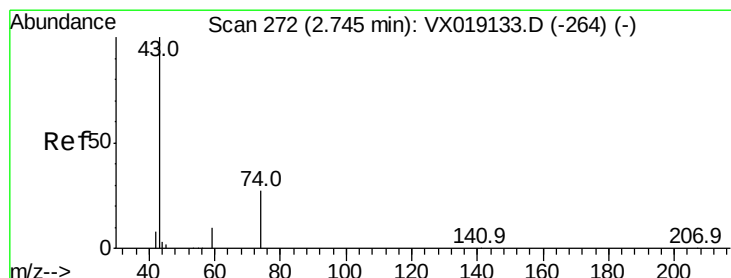
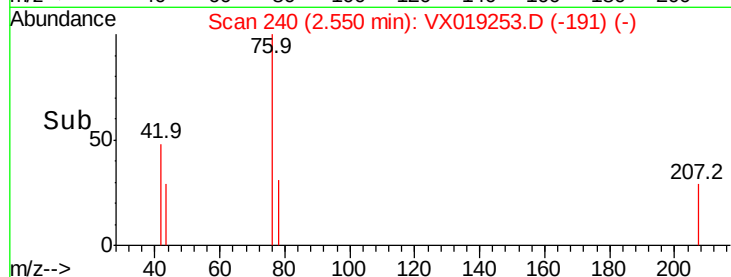
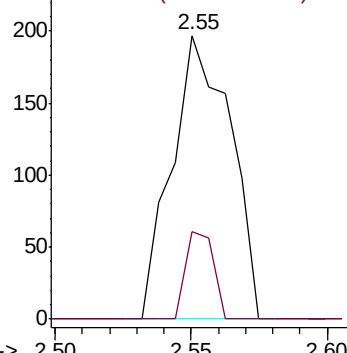
76 100

78 31.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.020 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019253.D

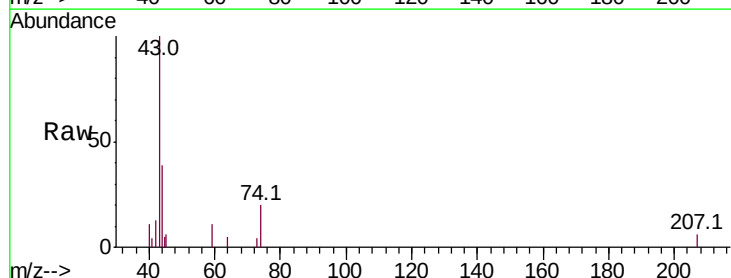
Acq: 03 Nov 2020 23:01

Tgt Ion: 43 Resp: 3523

Ion Ratio Lower Upper

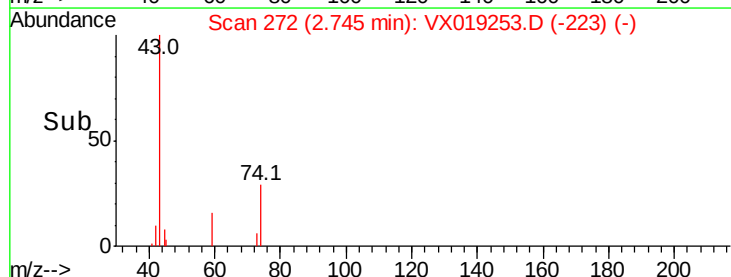
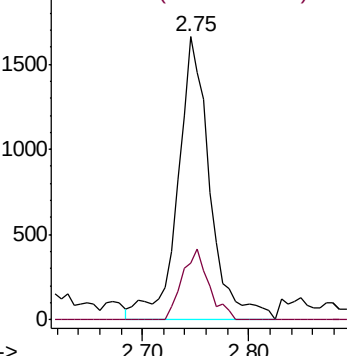
43 100

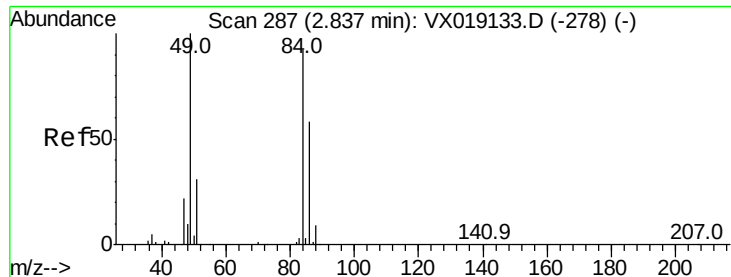
74 20.9 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

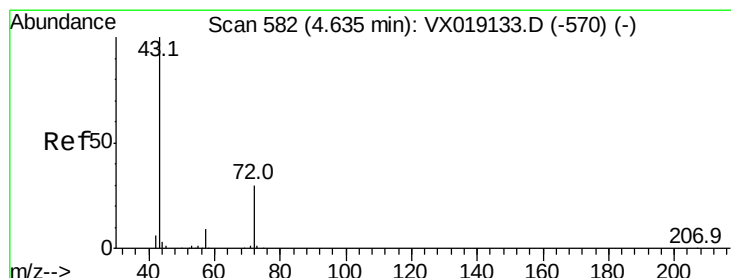
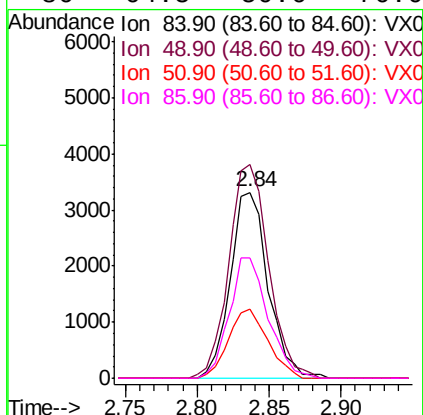
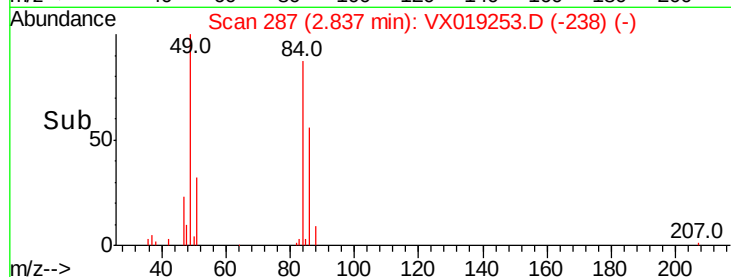
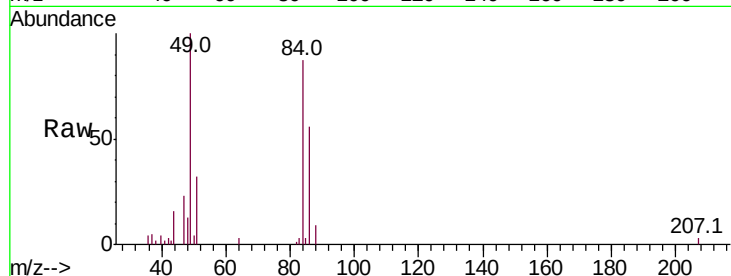




#20
Methvlene Chloride
Concen: 1.704 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

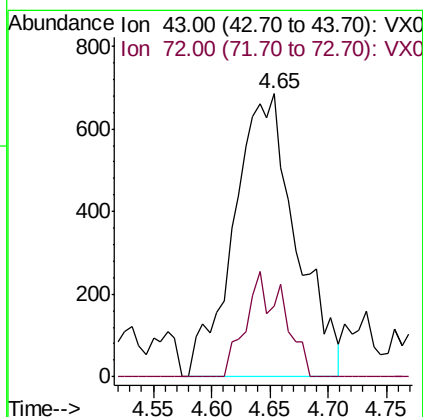
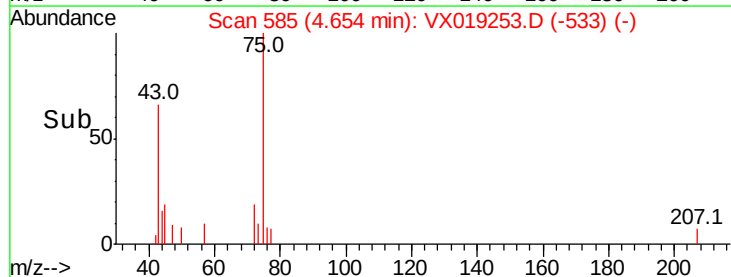
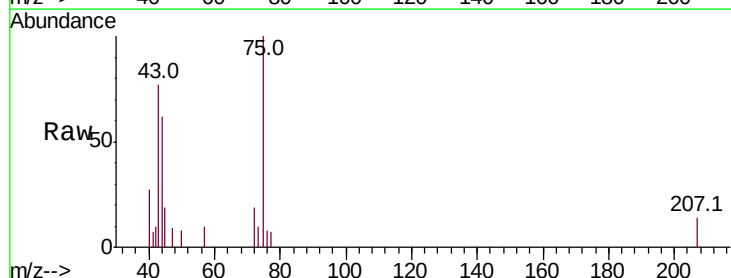
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#03

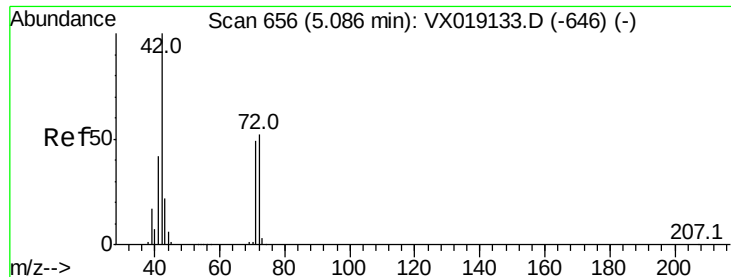
Tot Ion: 84 Resp: 6075
Ion Ratio Lower Upper
84 100
49 115.0 86.8 130.2
51 37.0 27.3 40.9
86 64.5 50.6 76.0



#25
2-Butanone
Concen: 1.134 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
72 24.8 24.6 36.8

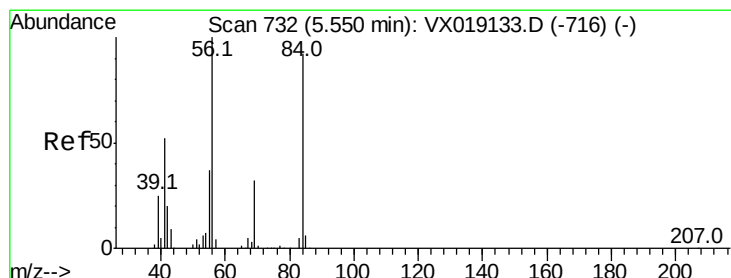
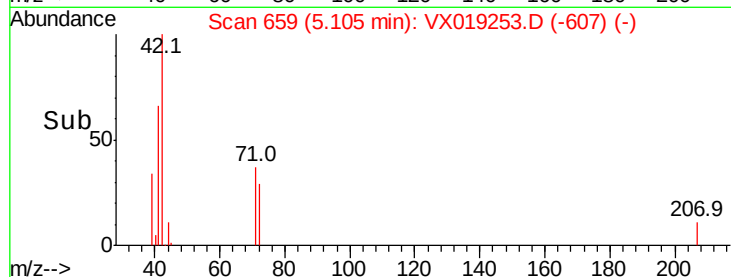
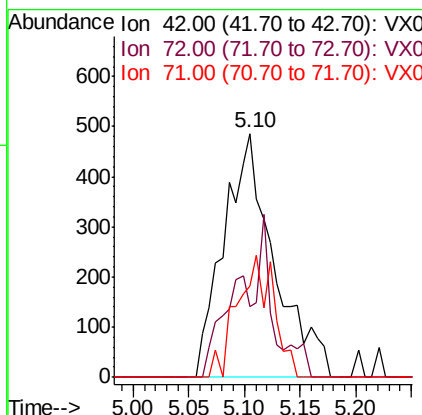
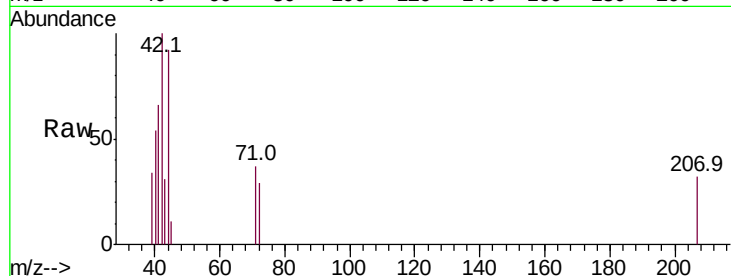




#29
Tetrahydrofuran
Concen: 1.087 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

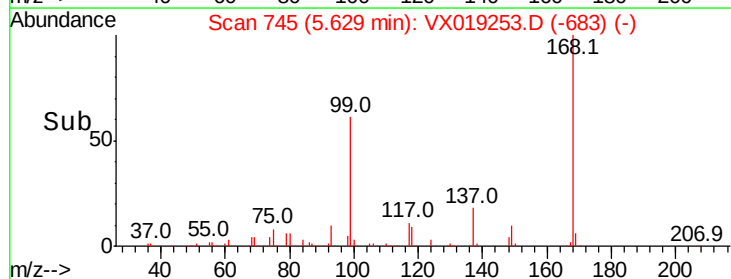
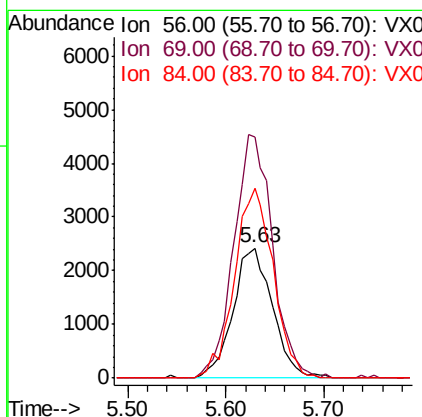
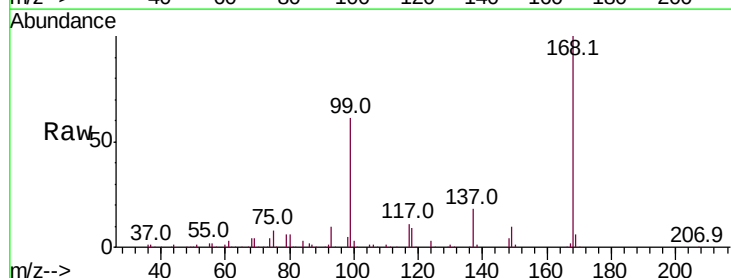
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#03

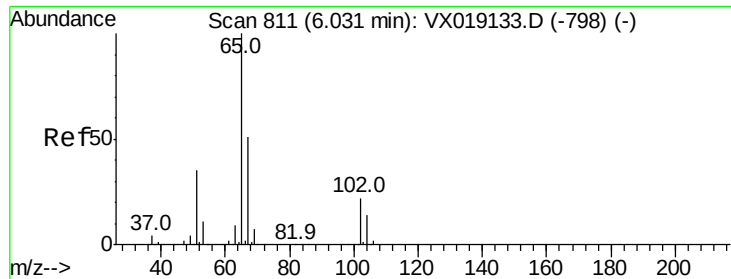
Tot Ion	Ratio	Lower	Upper
42	100		
72	12.1	42.6	63.8#
71	36.2	39.7	59.5#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	185.4	25.9	38.9#
84	145.9	73.4	110.2#





#33

1,2-Dichloroethane-d4

Concen: 53.039 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

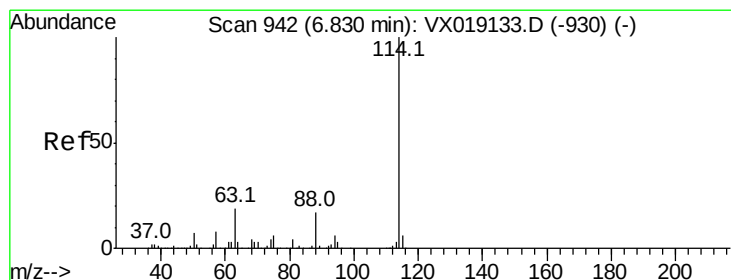
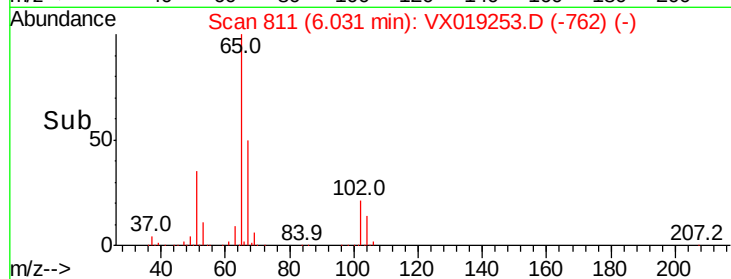
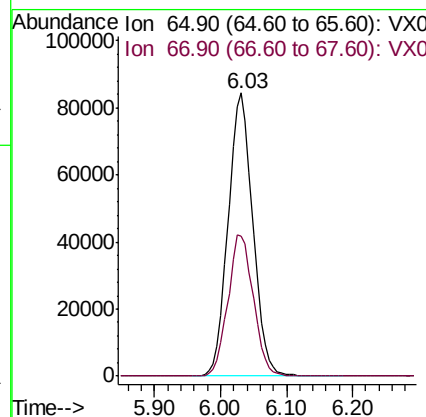
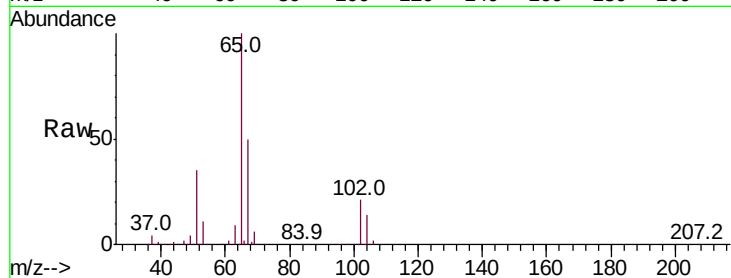
Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#03

Tot Ion: 65 Resp: 218342

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

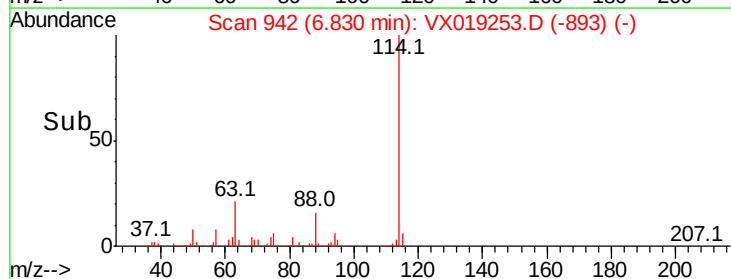
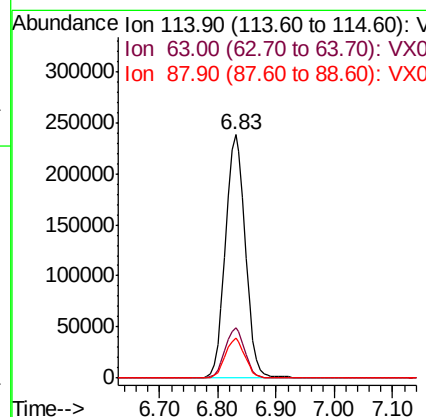
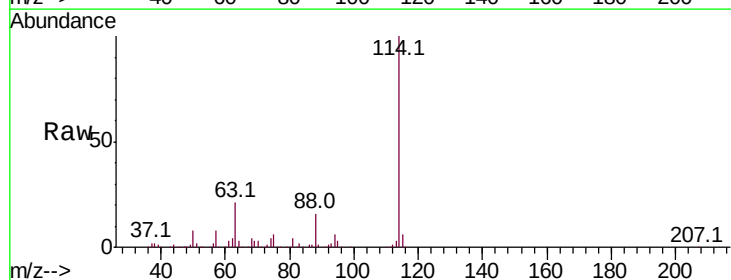
Delta R.T. -0.00 min

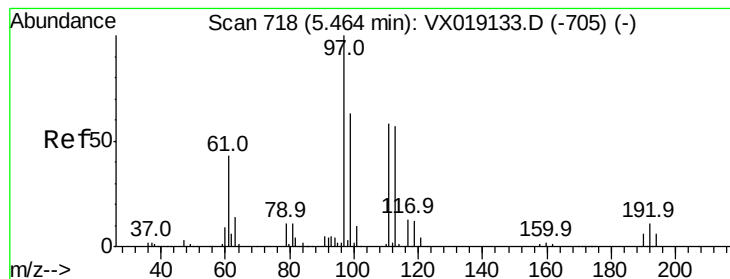
Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Tgt Ion: 114 Resp: 567582

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	38.8
88	16.4	0.0	34.2





#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#03

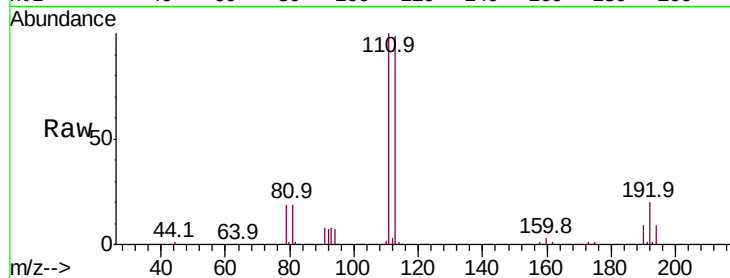
Tot Ion:113 Resp: 175666

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

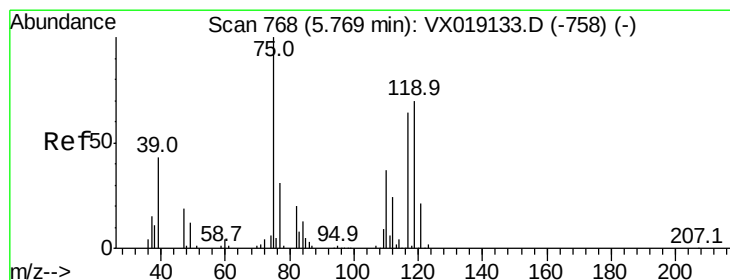
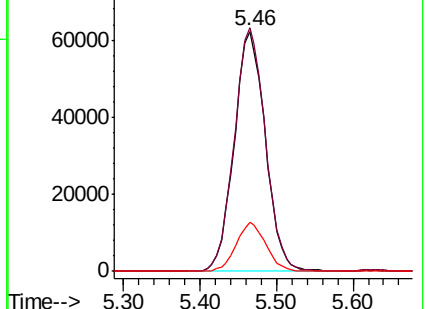
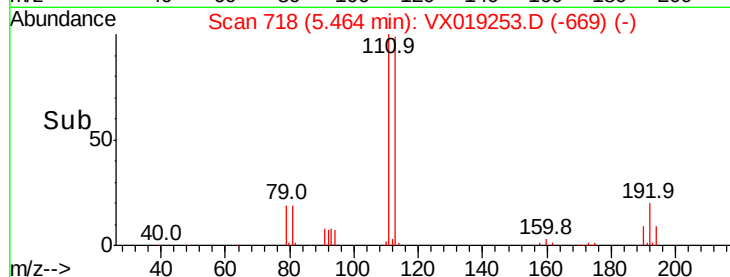
192 19.4 16.2 24.2



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: 4.973 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

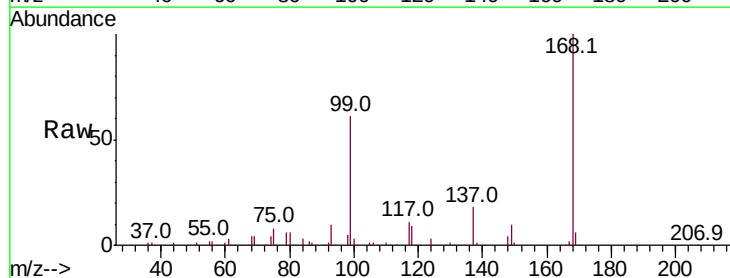
Tgt Ion: 75 Resp: 26064

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.9#

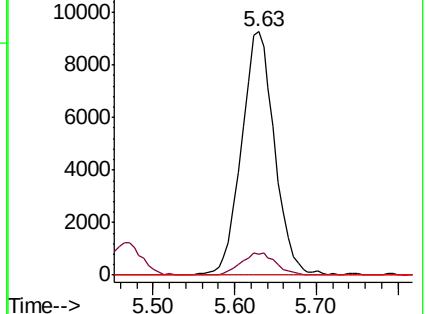
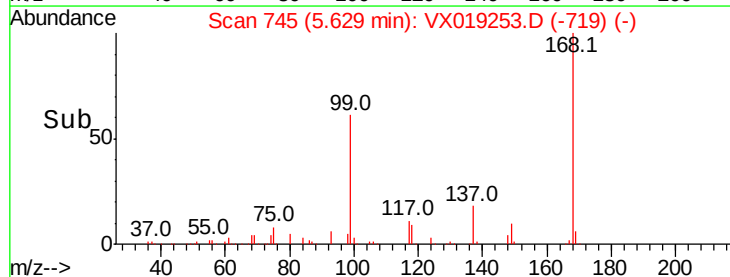
77 0.0 24.9 37.3#

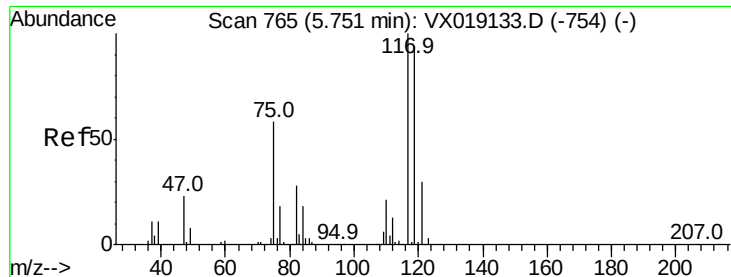


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#03

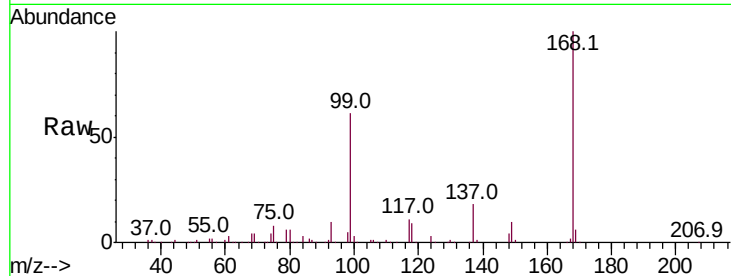
Tot Ion:117 Resp: 33870

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

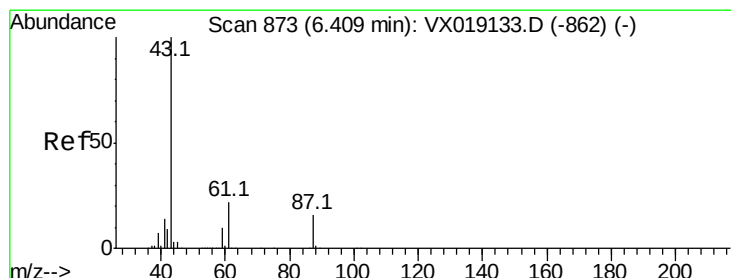
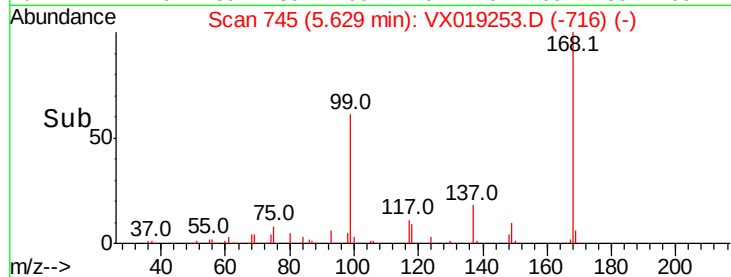
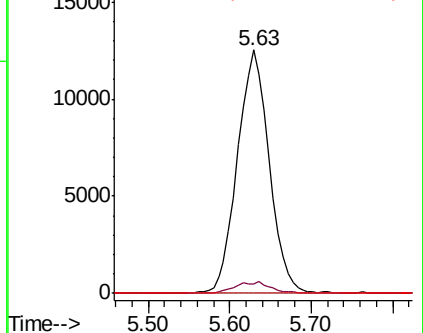
121 0.0 23.9 35.9#



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: 9.252 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

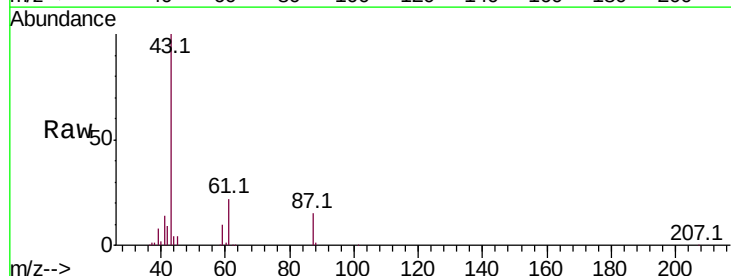
Tgt Ion: 43 Resp: 75384

Ion Ratio Lower Upper

43 100

61 21.3 17.8 26.6

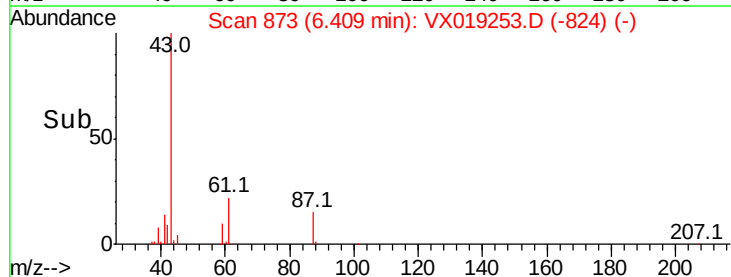
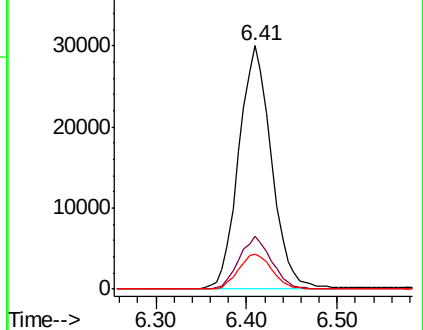
87 14.7 12.6 19.0

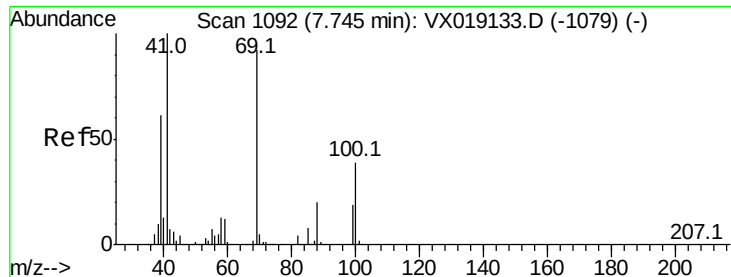


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 0.970 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#03

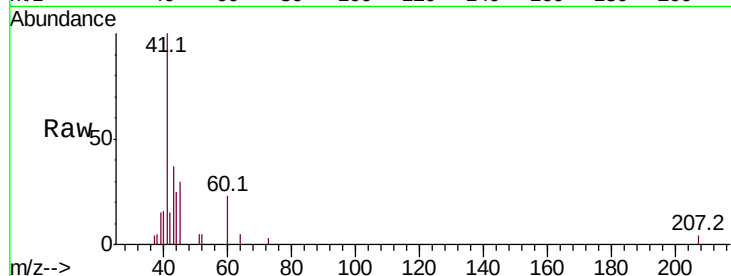
Tot Ion: 41 Resp: 3806

Ion Ratio Lower Upper

41 100

69 0.0 75.5 113.3#

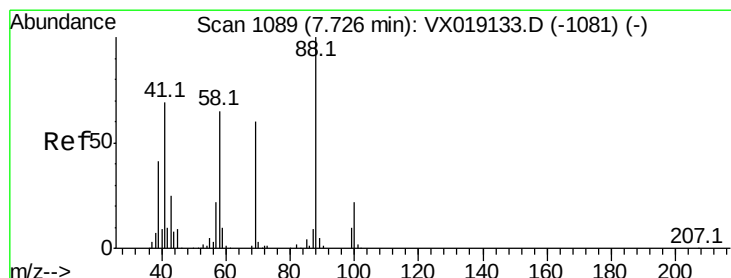
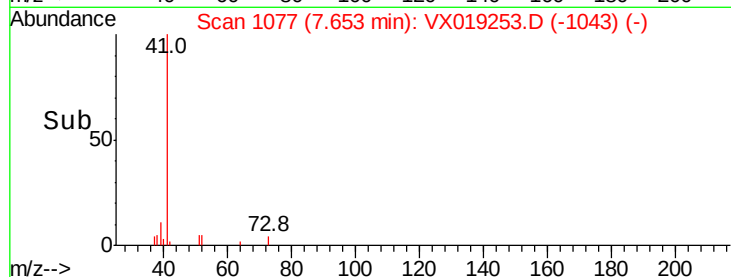
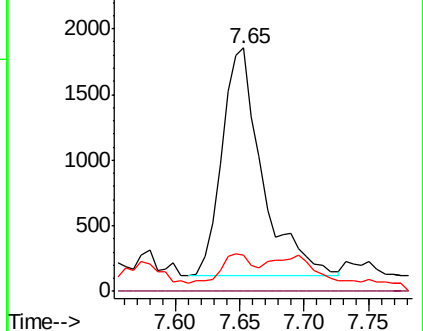
39 0.0 48.9 73.3#



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: 2.924 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.12 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

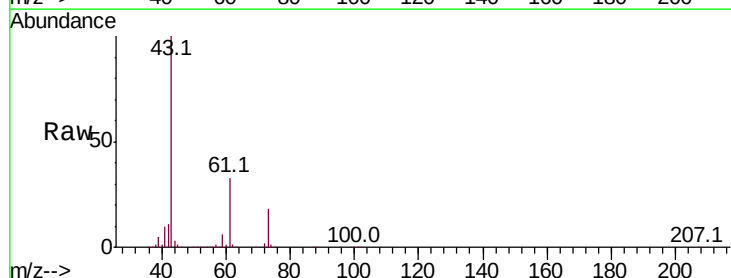
Tgt Ion: 88 Resp: 255

Ion Ratio Lower Upper

88 100

43 499722.7 23.0 34.6#

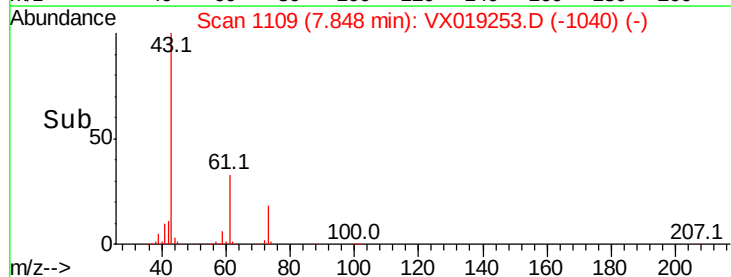
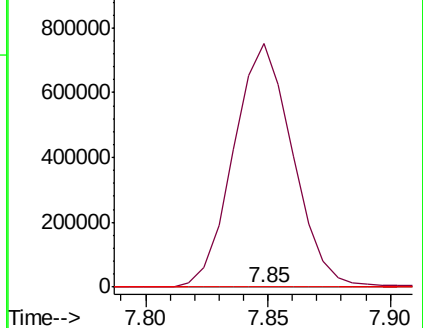
58 2312.9 52.2 78.2#

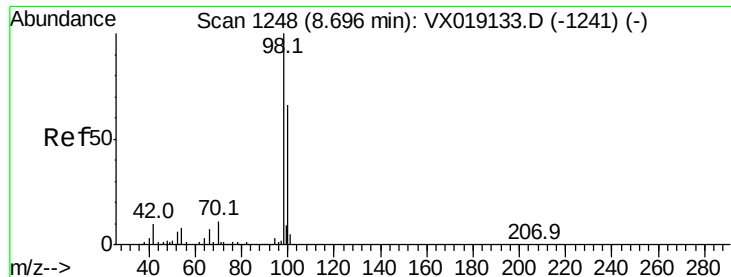


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

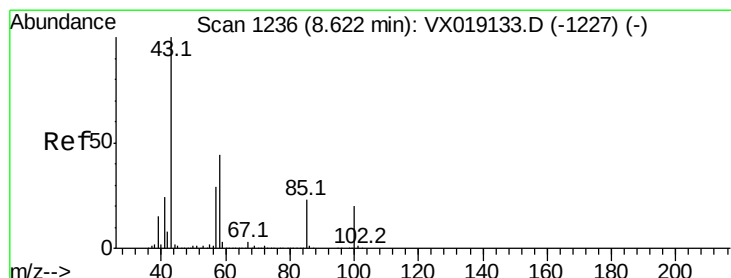
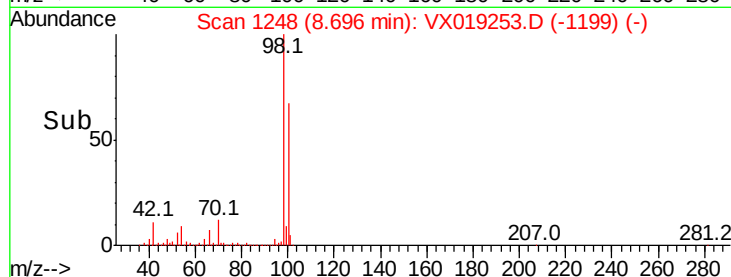
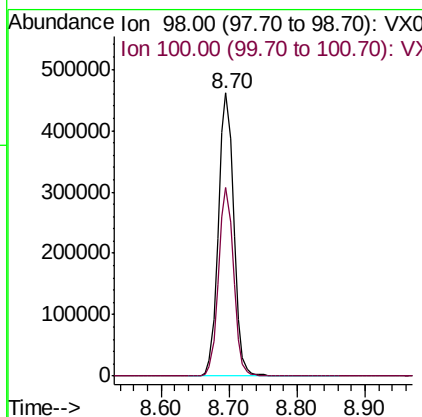
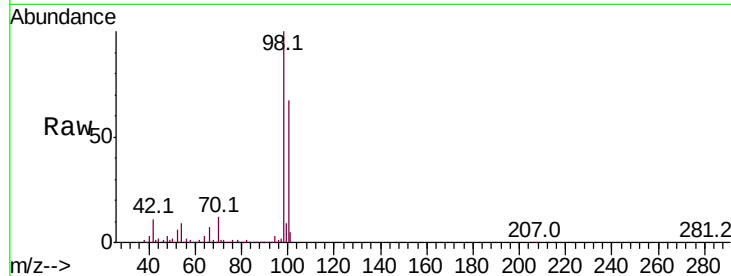




#50
Toluene-d8
Concen: 53.746 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

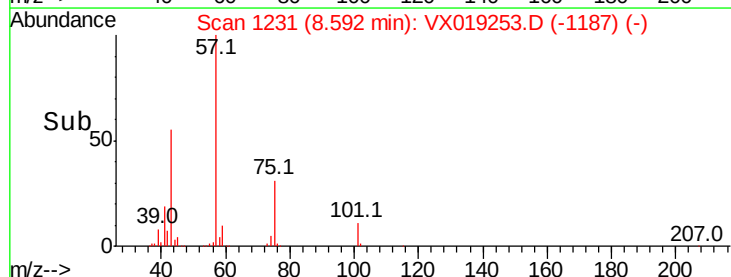
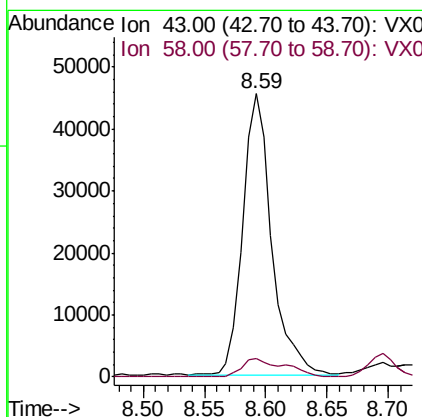
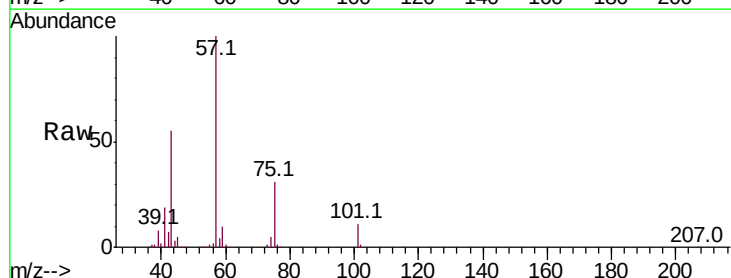
Instrument :
MSVOA_X
ClientSampleId :
PB132784ZHE#03

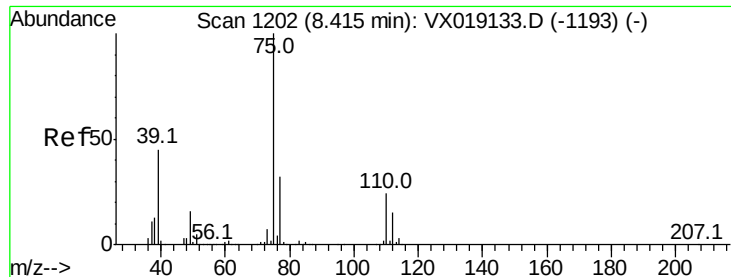
Tot Ion: 98 Resp: 722316
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 15.864 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019253.D
Acq: 03 Nov 2020 23:01

Tgt Ion: 43 Resp: 74295
Ion Ratio Lower Upper
43 100
58 9.9 35.0 52.4#



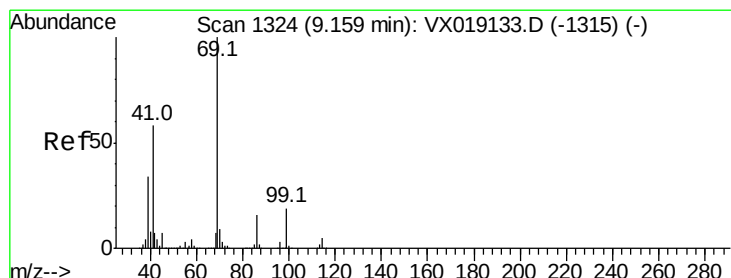
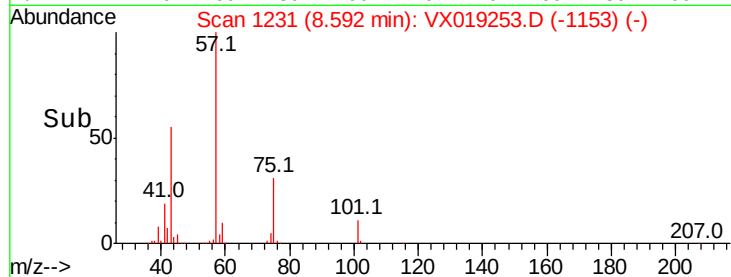
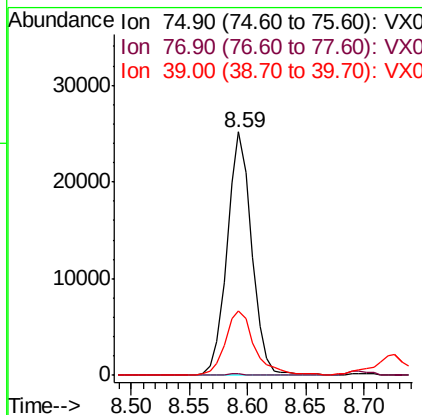
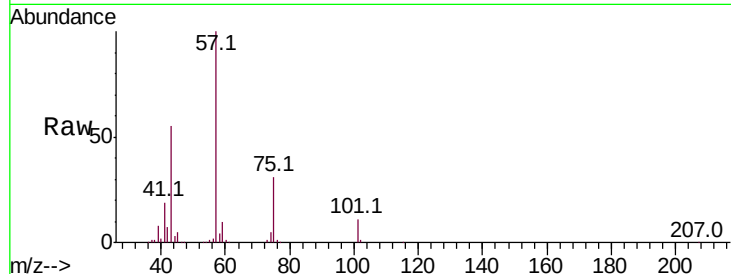


#54

cis-1,3-Dichloropropene
 Concen: 5.803 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019253.D
 Acq: 03 Nov 2020 23:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#03

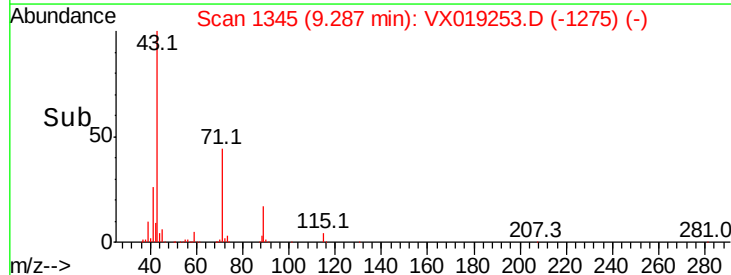
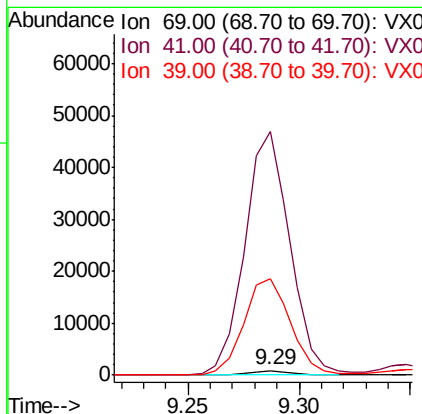
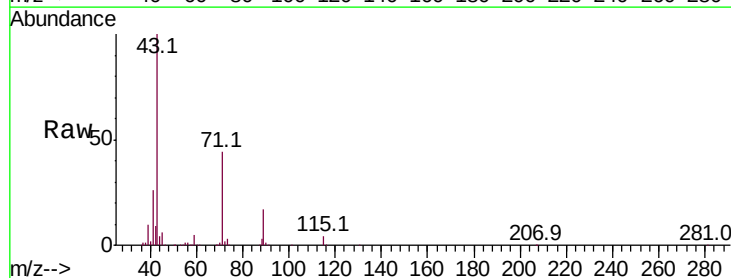
Tot Ion: 75 Resp: 36979
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.5 38.3#
 39 26.6 36.2 54.2#

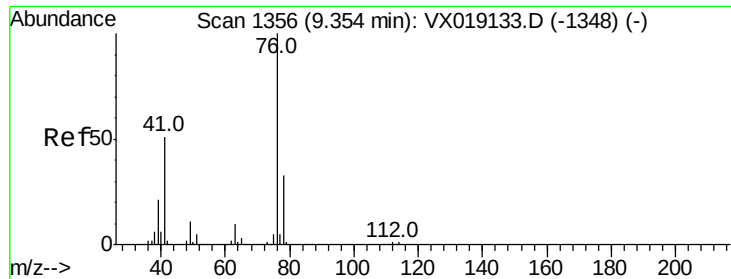


#56

Ethyl methacrylate
 Concen: 0.204 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX019253.D
 Acq: 03 Nov 2020 23:01

Tgt Ion: 69 Resp: 1165
 Ion Ratio Lower Upper
 69 100
 41 5713.6 46.5 69.7#
 39 2358.3 27.6 41.4#

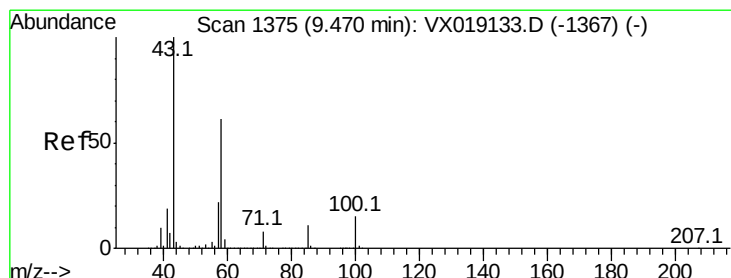
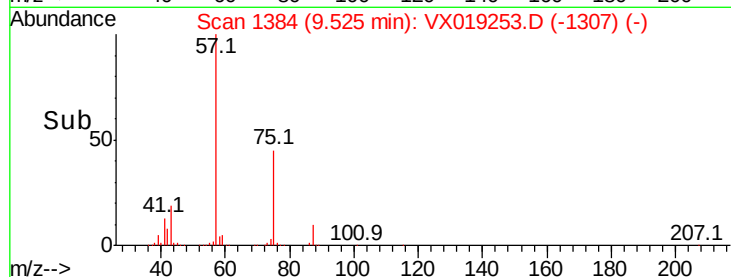
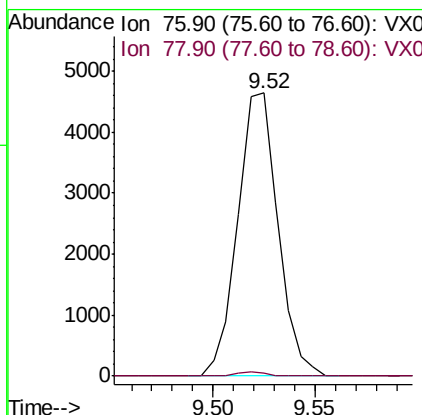
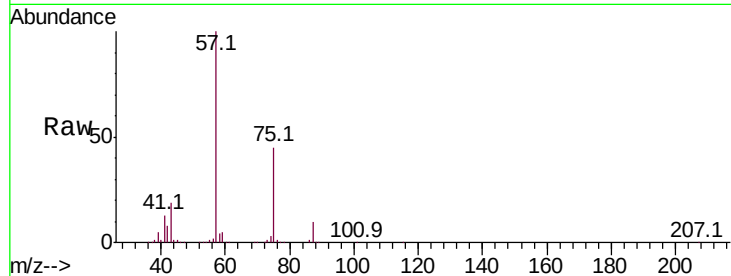




#57
 1,3-Dichloropropane
 Concen: 0.999 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019253.D
 Acq: 03 Nov 2020 23:01

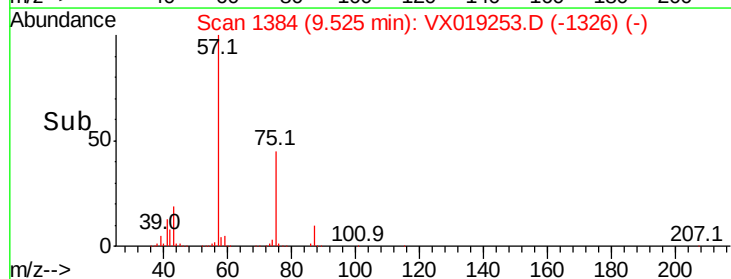
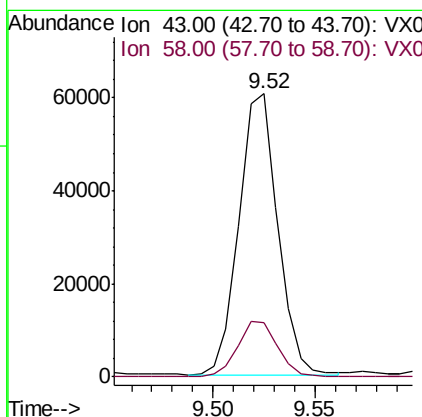
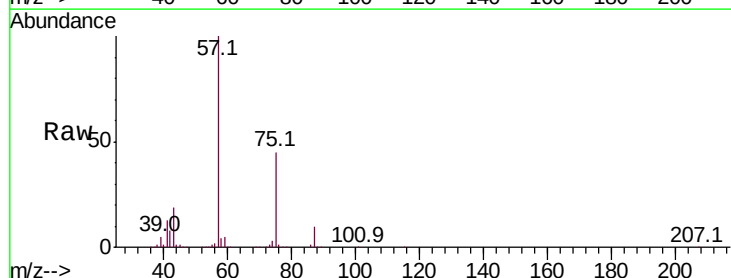
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132784ZHE#03

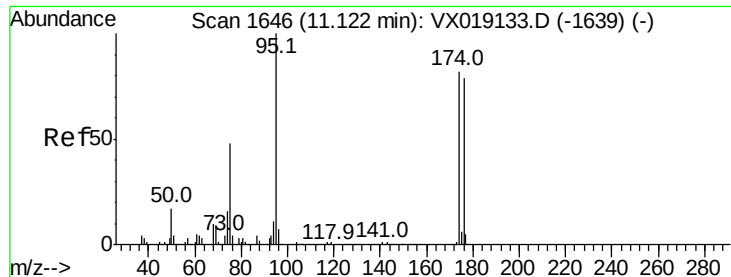
Tot Ion: 76 Resp: 6371
 Ion Ratio Lower Upper
 76 100
 78 1.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 22.638 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX019253.D
 Acq: 03 Nov 2020 23:01

Tgt Ion: 43 Resp: 80704
 Ion Ratio Lower Upper
 43 100
 58 20.3 30.5 91.5#





#62

4-Bromofluorobenzene

Concen: 55.360 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#03

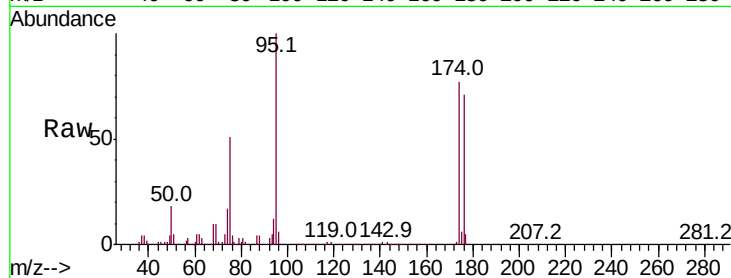
Tot Ion: 95 Resp: 281761

Ion Ratio Lower Upper

95 100

174 75.7 0.0 156.0

176 72.4 0.0 149.8

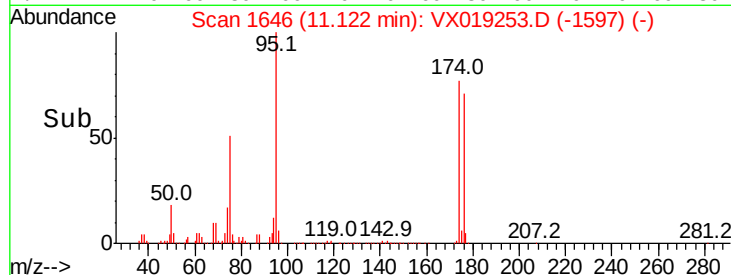


Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)

Time-->

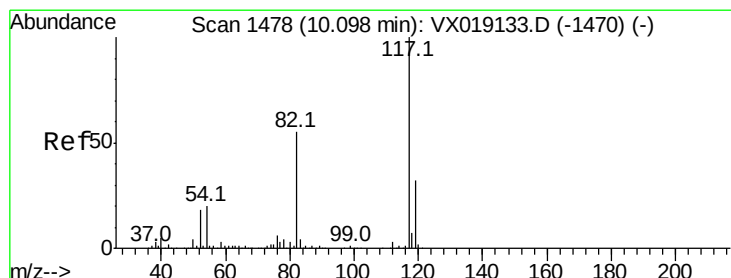


Abundance Ion 94.90 (94.60 to 95.60): VX019253.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019253.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019253.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: VX019253.D

Acq: 03 Nov 2020 23:01

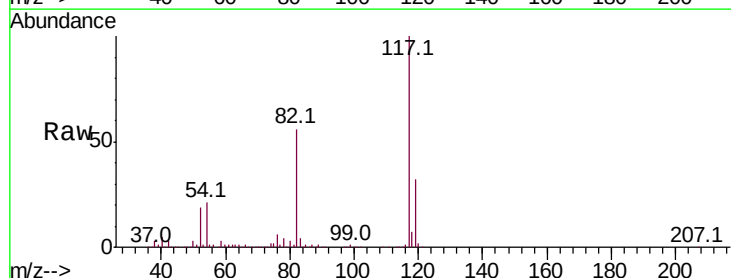
Tgt Ion: 117 Resp: 565105

Ion Ratio Lower Upper

117 100

82 56.3 43.6 65.4

119 32.2 25.5 38.3

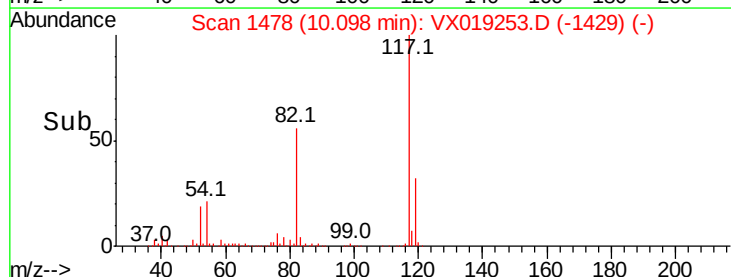


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)

Time-->

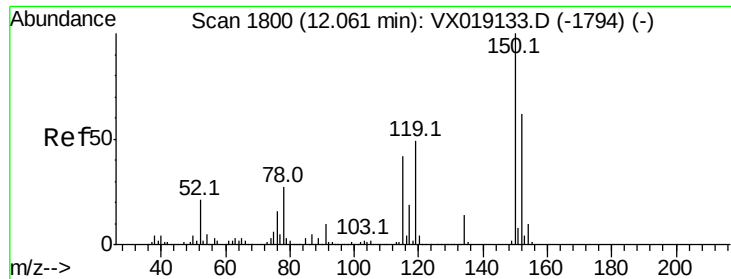


Abundance Ion 116.90 (116.60 to 117.60): VX019253.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019253.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019253.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: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

PB132784ZHE#03

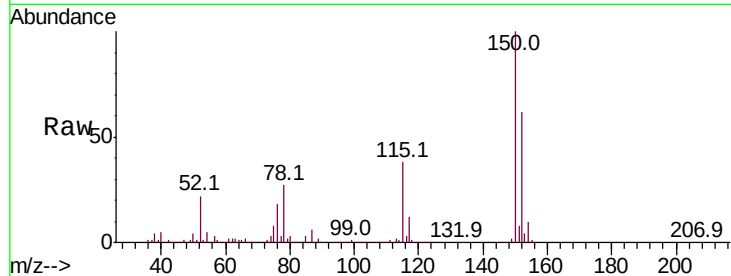
Tot Ion:152 Resp: 288725

Ion Ratio Lower Upper

152 100

115 61.2 41.9 125.7

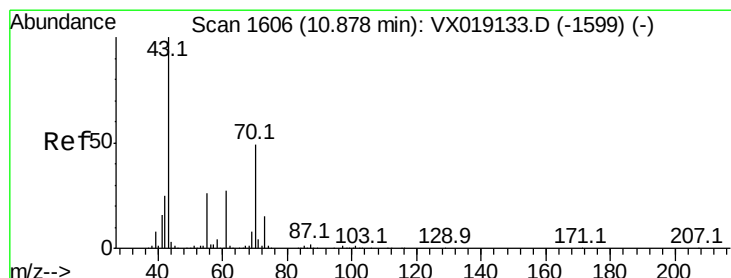
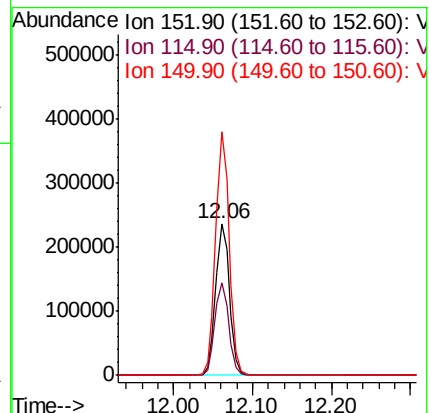
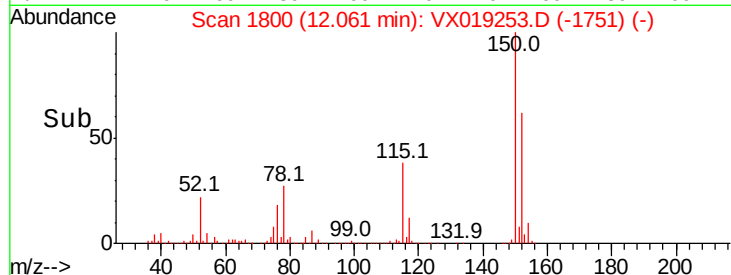
150 158.2 0.0 347.8



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



#74

N-ethyl acetate

Concen: 0.432 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Tgt Ion: 43 Resp: 3228

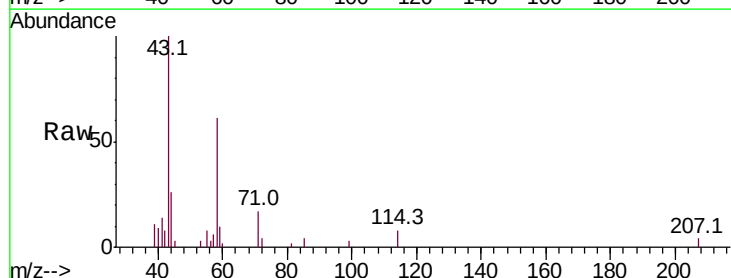
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 11.0 20.7 31.1#

61 0.0 21.9 32.9#

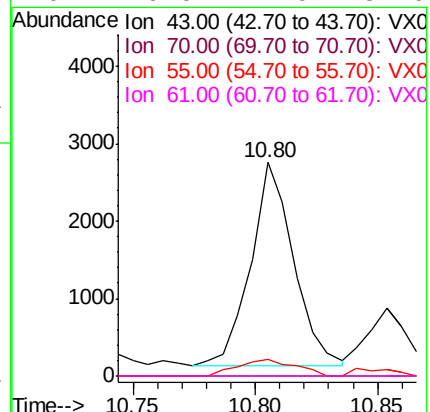
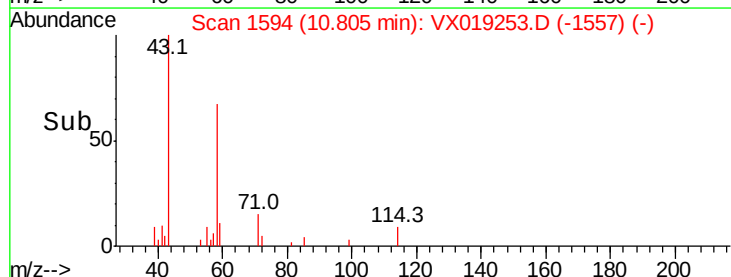


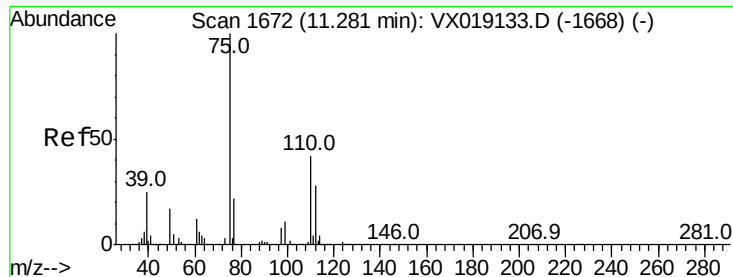
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.174 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Instrument :

MSVOA_X

ClientSampleId :

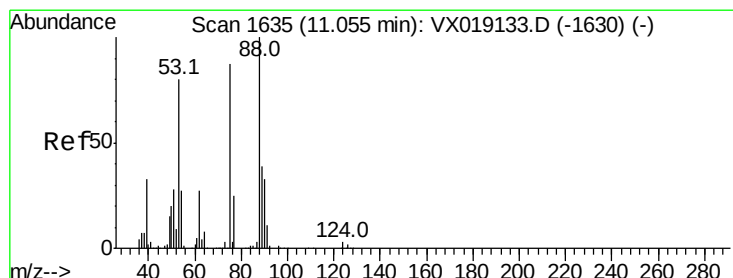
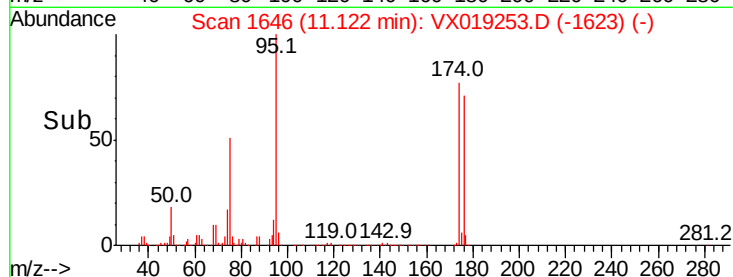
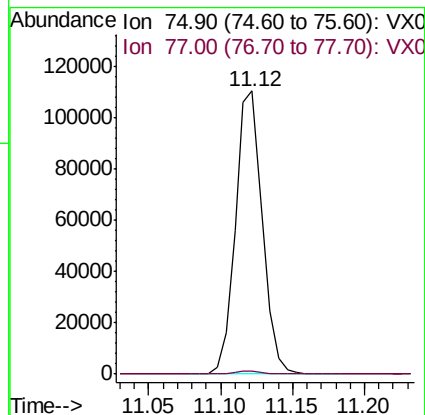
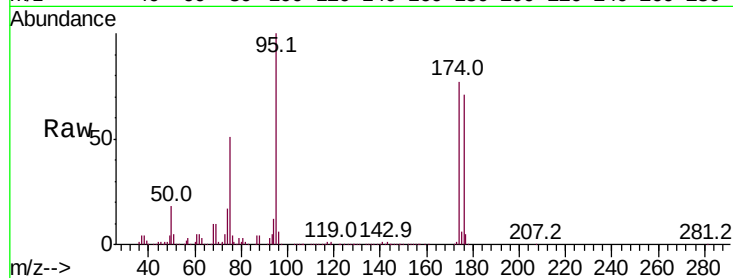
PB132784ZHE#03

Tot Ion: 75 Resp: 144117

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.651 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019253.D

Acq: 03 Nov 2020 23:01

Tgt Ion: 75 Resp: 144117

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

