

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017442.D
 Acq On : 20 Jul 2020 18:21
 Operator : JC/SP
 Sample : PB130292ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130292ZHE#03

Quant Time: Jul 21 02:05:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	235783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	411328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	453490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240599	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	162626	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	5.47	113	142797	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	8.70	98	532016	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.12	95	222444	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	

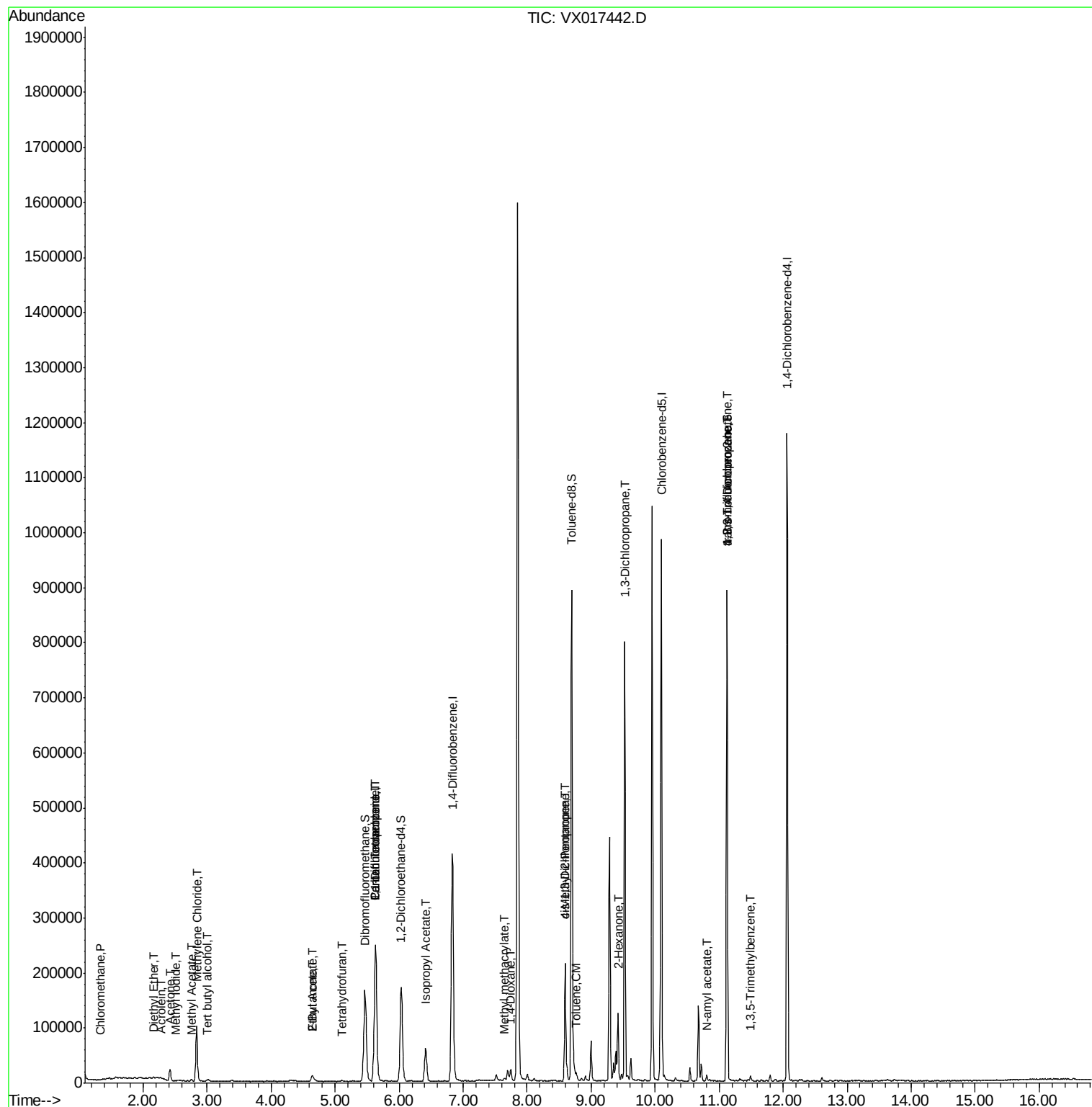
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	487	0.217	ug/l #	85
8) Diethyl Ether	2.17	74	578	0.436	ug/l	76
10) Methyl Iodide	2.51	142	21	2.381	ug/l #	39
11) Tert butyl alcohol	3.01	59	3589	7.198	ug/l #	91
13) Acrolein	2.29	56	332	1.215	ug/l #	14
16) Acetone	2.42	43	23326	22.094	ug/l	94
18) Methyl Acetate	2.75	43	3241	1.243	ug/l #	74
20) Methylene Chloride	2.84	84	46529	18.064	ug/l	99
25) 2-Butanone	4.64	43	15806	9.426	ug/l	97
29) Tetrahydrofuran	5.12	42	1965	1.810	ug/l #	78
36) 1,1-Dichloropropene	5.63	75	17616	4.656	ug/l #	51
37) Ethyl Acetate	4.64	43	15806	4.040	ug/l #	68
38) Carbon Tetrachloride	5.63	117	23580	5.323	ug/l #	17
43) Isopropyl Acetate	6.42	43	82355	13.172	ug/l	99
48) Methyl methacrylate	7.65	41	5376	1.792	ug/l #	14
49) 1,4-Dioxane	7.75	88	65	1.059	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	76795	20.144	ug/l #	47
52) Toluene	8.77	92	3755	0.538	ug/l	100
54) cis-1,3-Dichloropropene	8.60	75	33610	6.973	ug/l #	64
57) 1,3-Dichloropropane	9.52	76	6570	1.357	ug/l #	46
59) 2-Hexanone	9.42	43	75663	26.296	ug/l #	23
74) N-amyl acetate	10.80	43	5127	0.849	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	112274	25.254	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	4021	0.314	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	112274	64.063	ug/l #	11

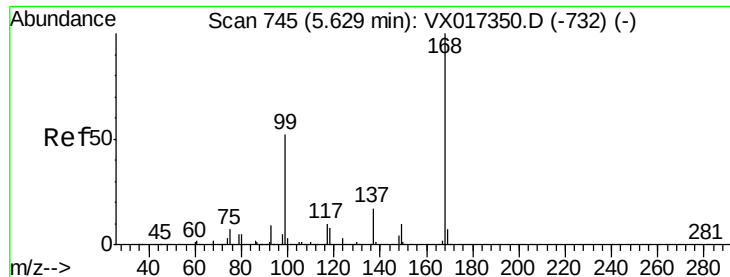
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072020\
Data File : VX017442.D
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Quant Time: Jul 21 02:05:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 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: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

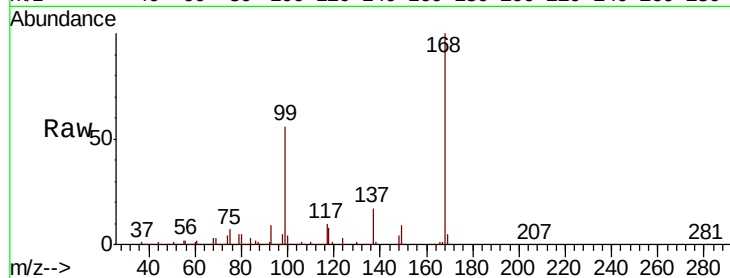
PB130292ZHE#03

Tot Ion:168 Resp: 235783

Ion Ratio Lower Upper

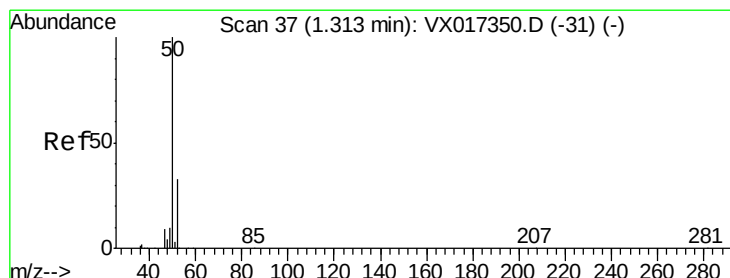
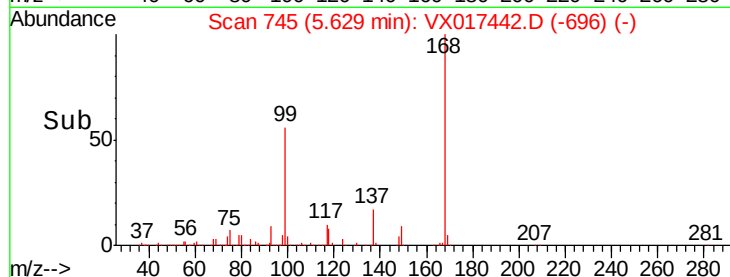
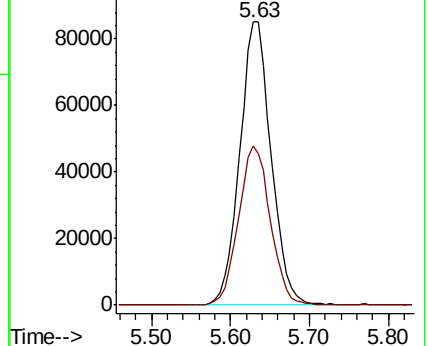
168 100

99 56.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017442.D

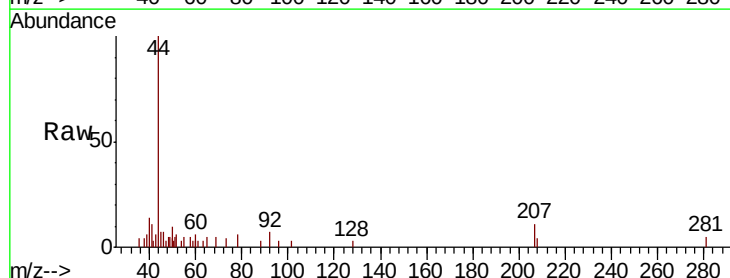
Acq: 20 Jul 2020 18:21

Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

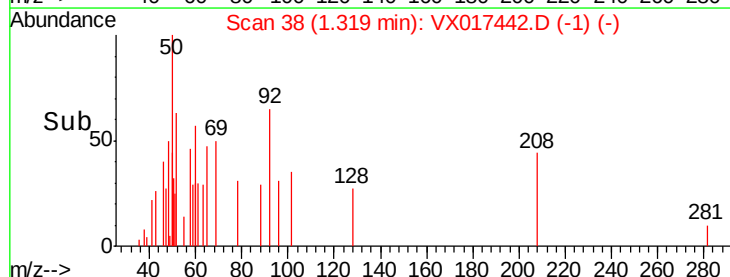
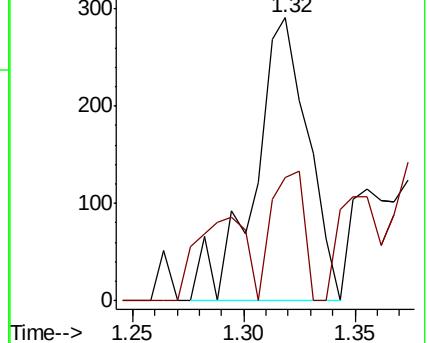
50 100

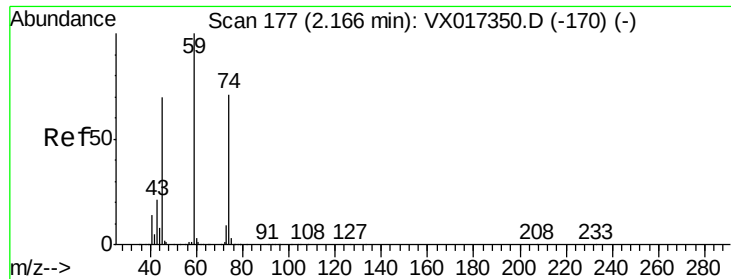
52 24.7 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.436 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

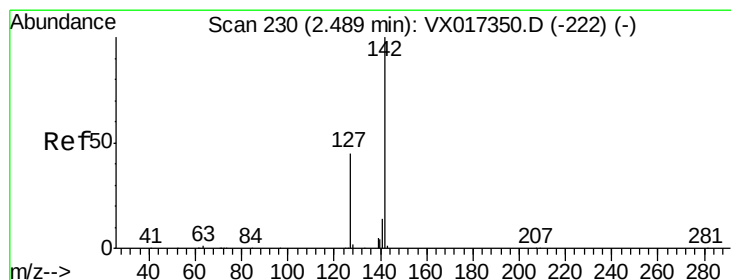
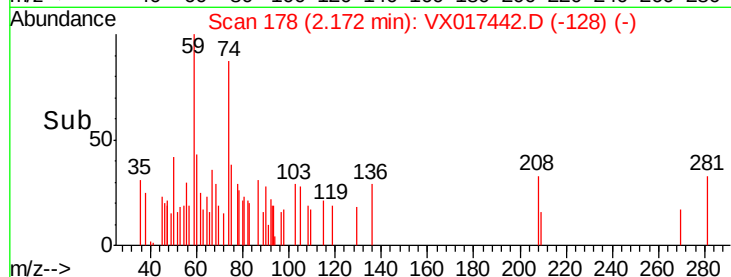
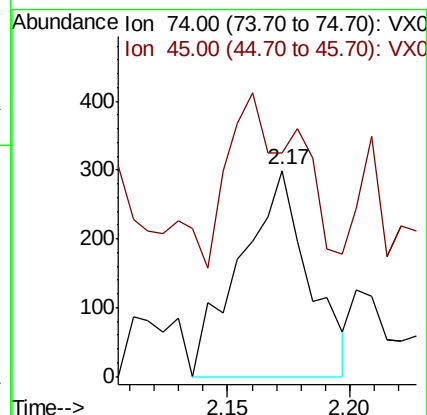
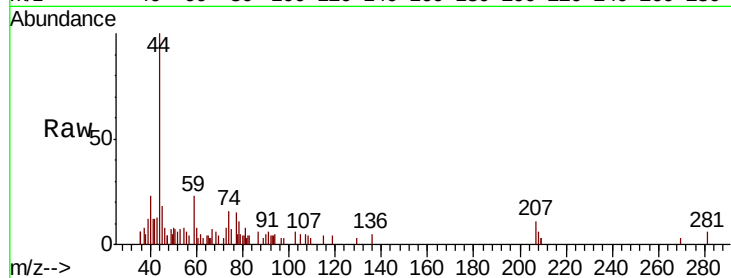
PB130292ZHE#03

Tot Ion: 74 Resp: 578

Ion Ratio Lower Upper

74 100

45 118.0 47.2 141.6



#10

Methyl Iodide

Concen: 2.381 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

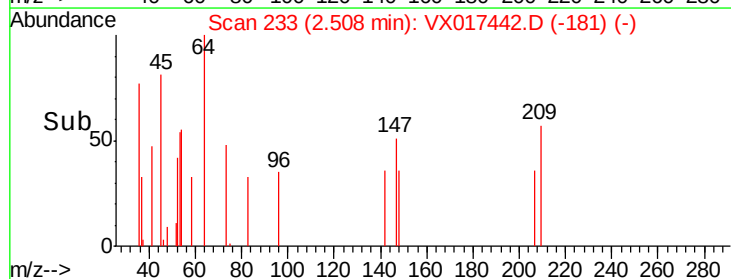
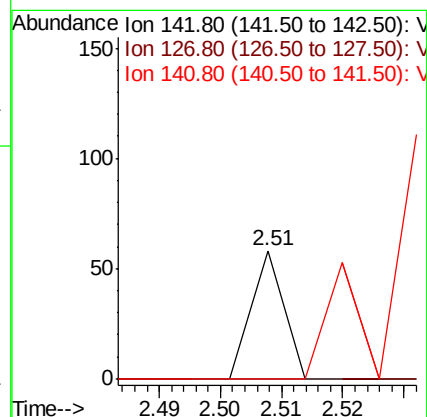
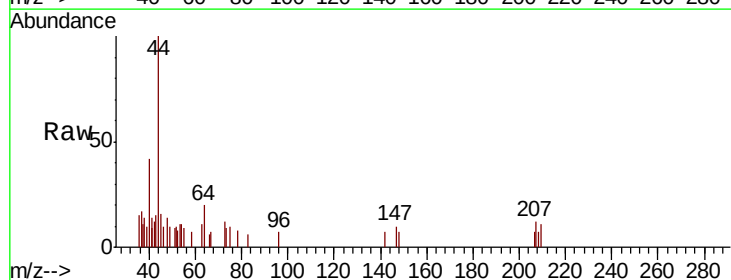
Tgt Ion: 142 Resp: 21

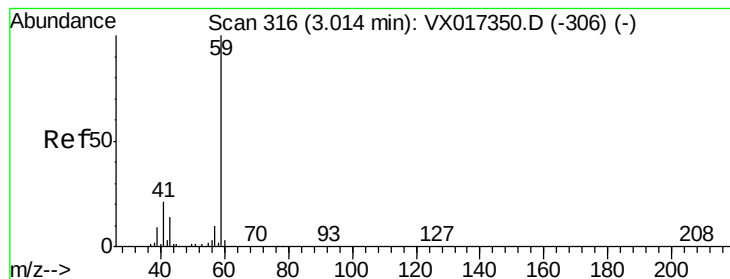
Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.4 17.0#



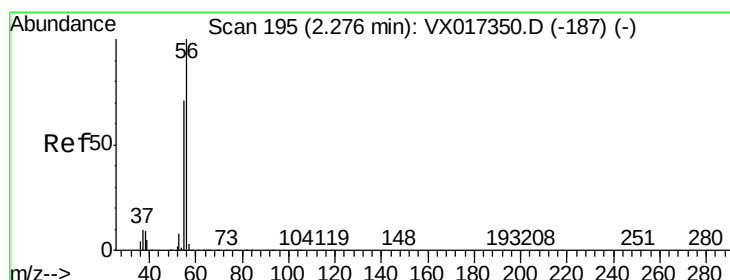
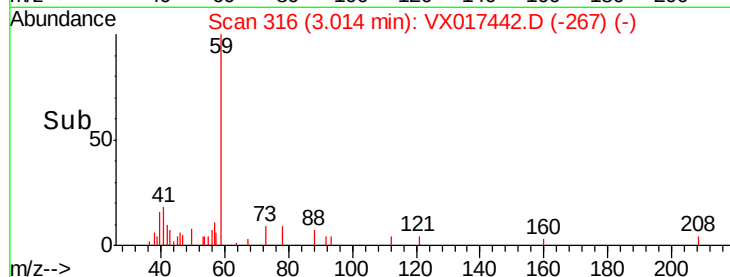
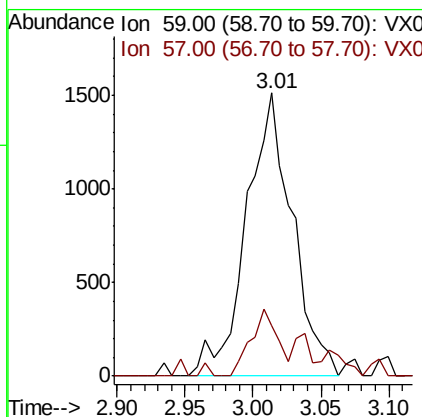
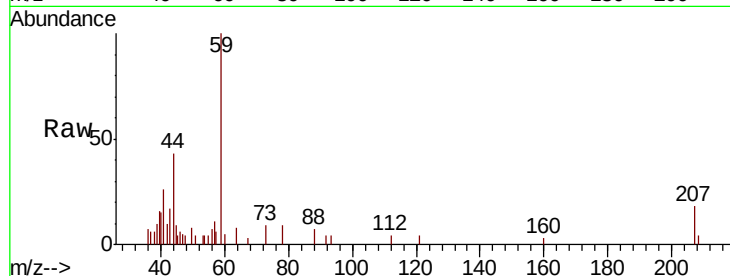


#11

Tert butyl alcohol
Concen: 7.198 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Instrument :
MSVOA_X
ClientSampleId :
PB130292ZHE#03

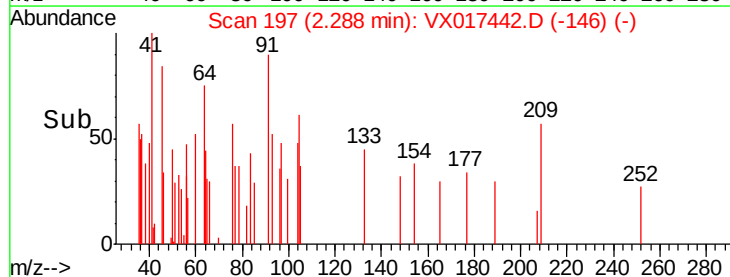
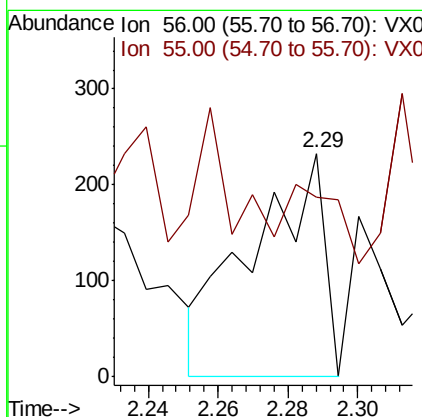
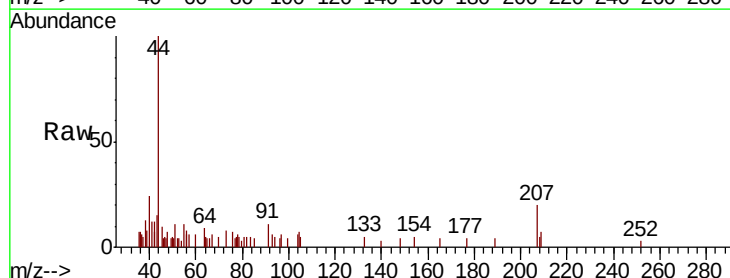
Tot Ion: 59 Resp: 3589
Ion Ratio Lower Upper
59 100
57 13.9 8.3 12.5#

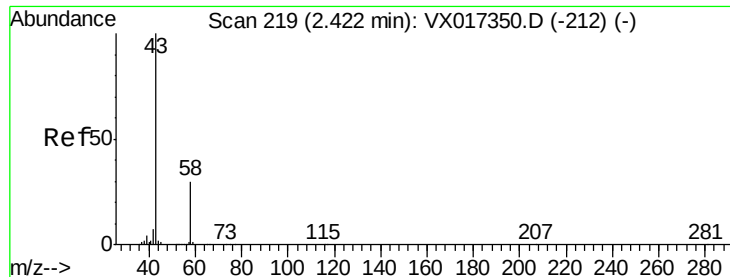


#13

Acrolein
Concen: 1.215 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





#16

Acetone

Concen: 22.094 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

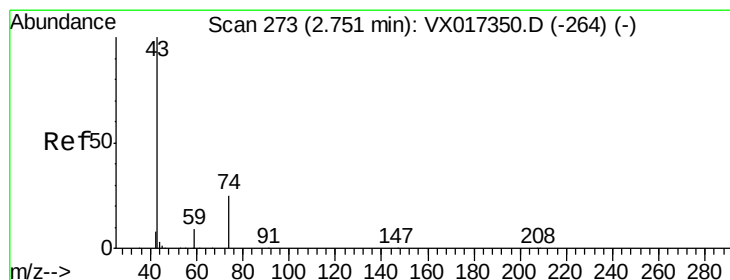
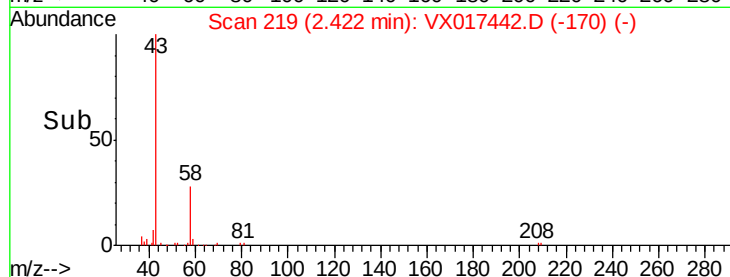
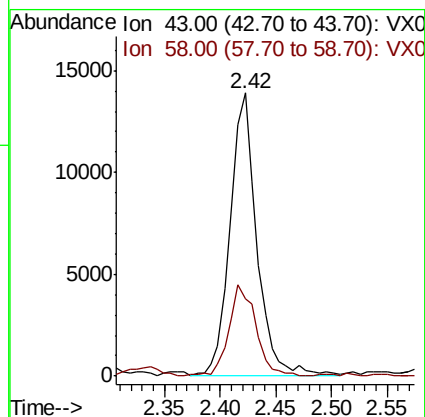
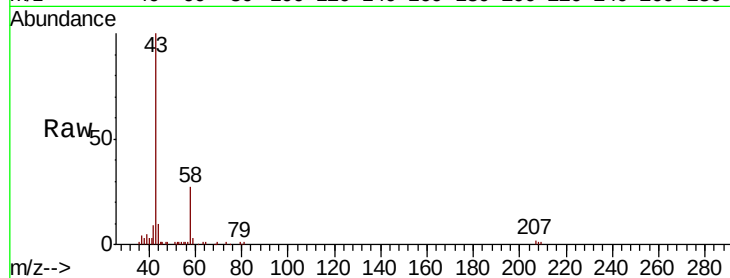
PB130292ZHE#03

Tot Ion: 43 Resp: 23326

Ion Ratio Lower Upper

43 100

58 26.8 24.2 36.2



#18

Methyl Acetate

Concen: 1.243 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017442.D

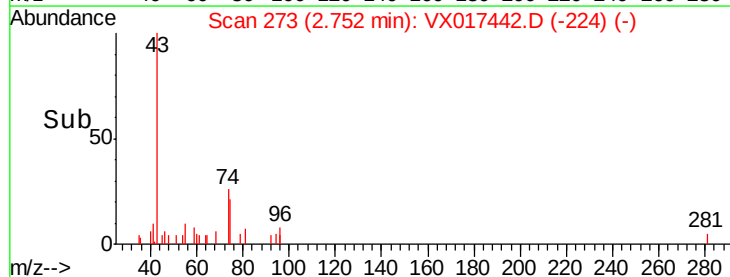
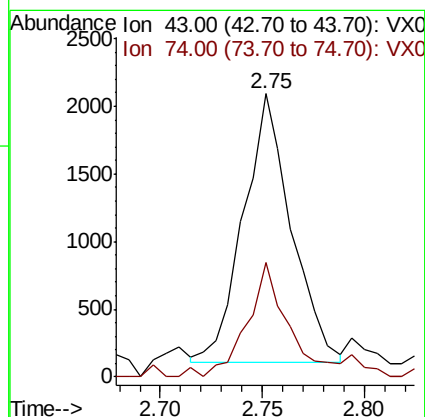
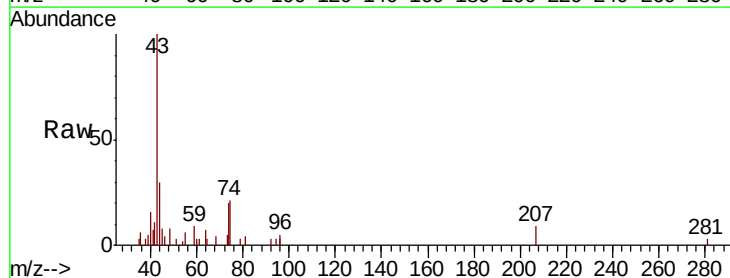
Acq: 20 Jul 2020 18:21

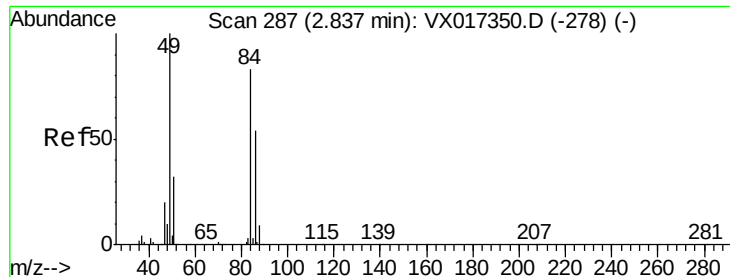
Tgt Ion: 43 Resp: 3241

Ion Ratio Lower Upper

43 100

74 37.0 19.4 29.2#

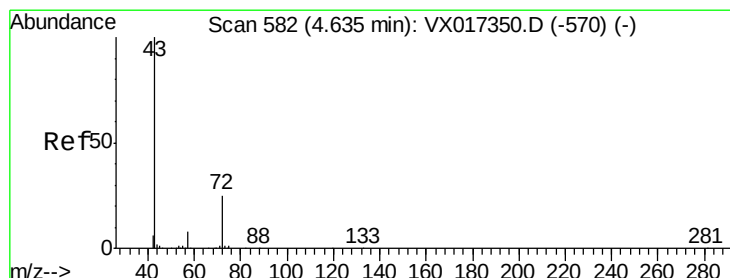
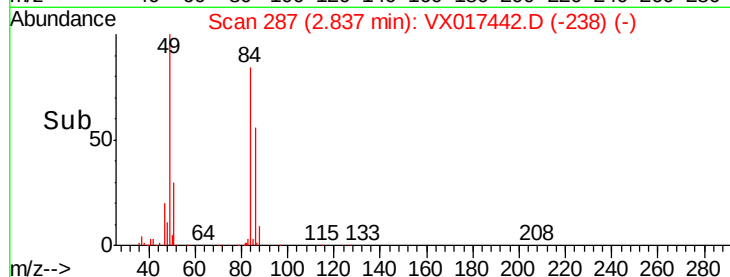
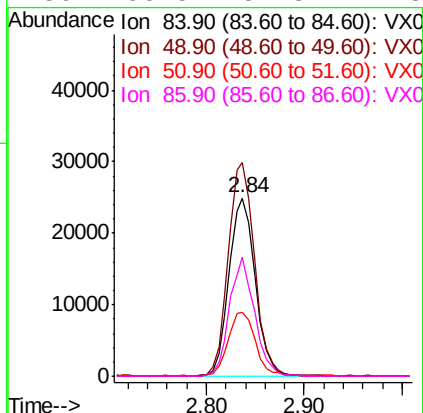
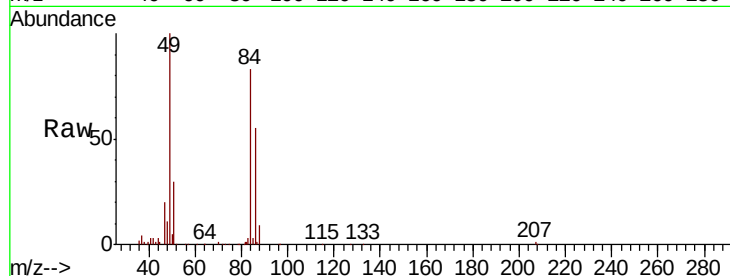




#20
Methvlene Chloride
Concen: 18.064 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

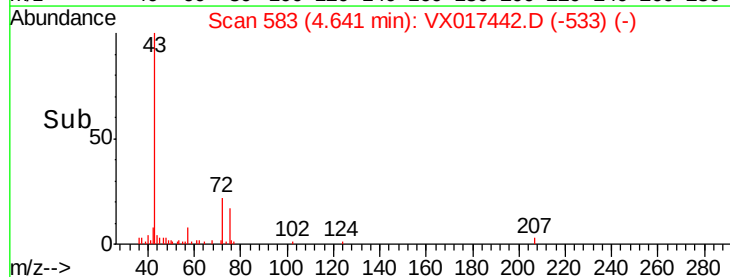
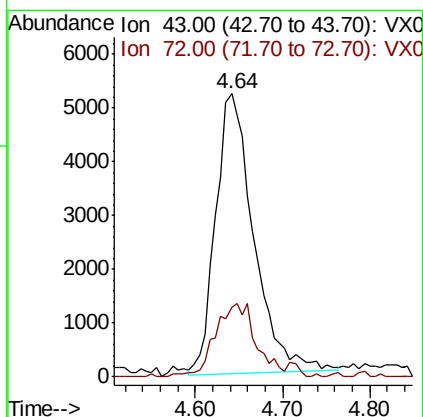
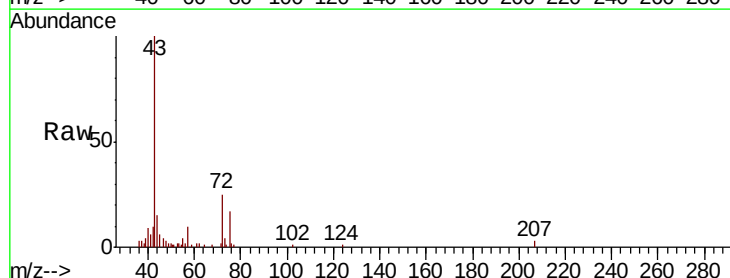
Instrument :
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PB130292ZHE#03

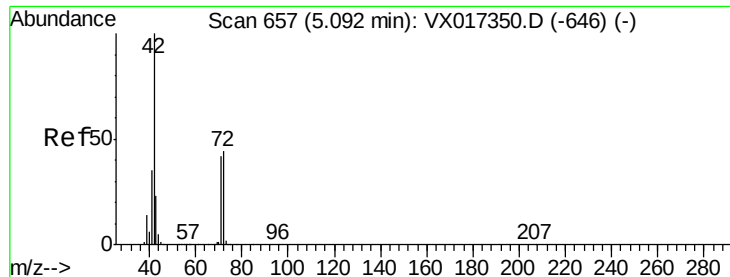
Tot Ion:	84	Resp:	46529
Ion	Ratio	Lower	Upper
84	100		
49	119.9	95.8	143.8
51	36.1	31.0	46.4
86	66.5	51.8	77.8



#25
2-Butanone
Concen: 9.426 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Tgt Ion:	43	Resp:	15806
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.4	30.6

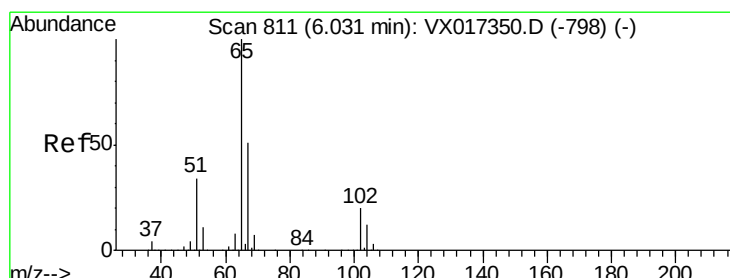
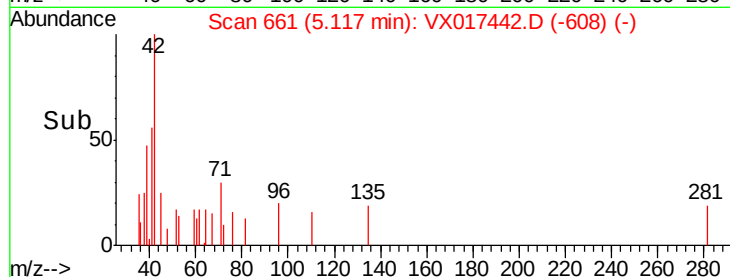
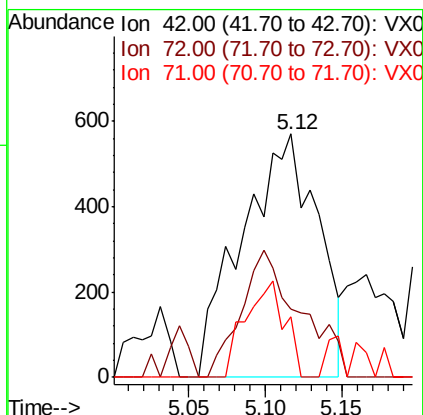
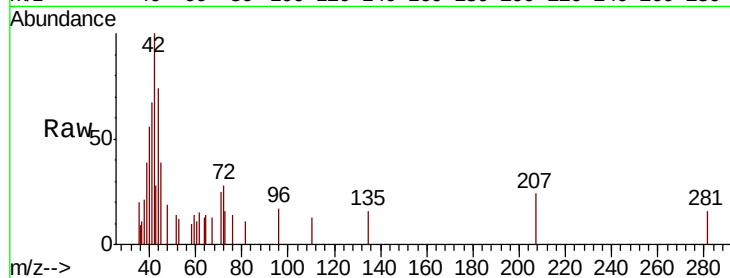




#29
Tetrahydrofuran
Concen: 1.810 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

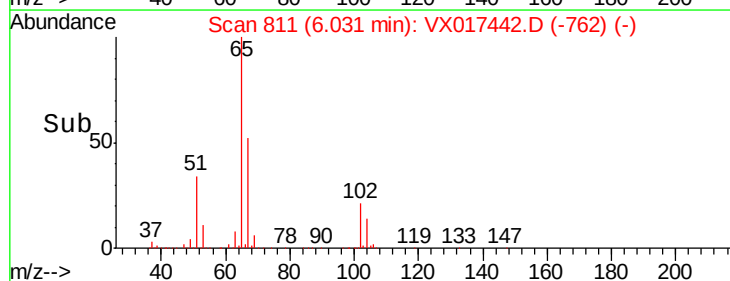
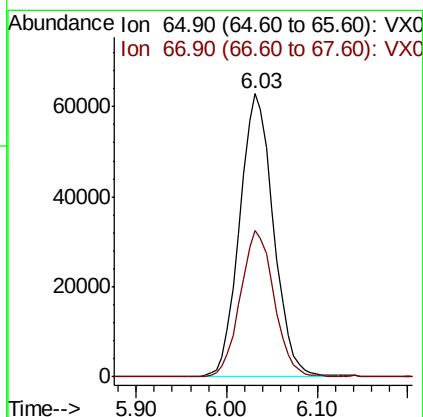
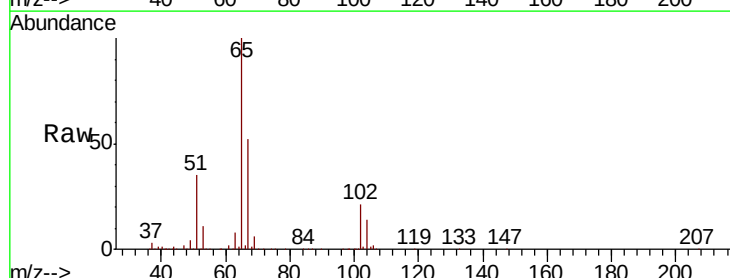
Instrument :
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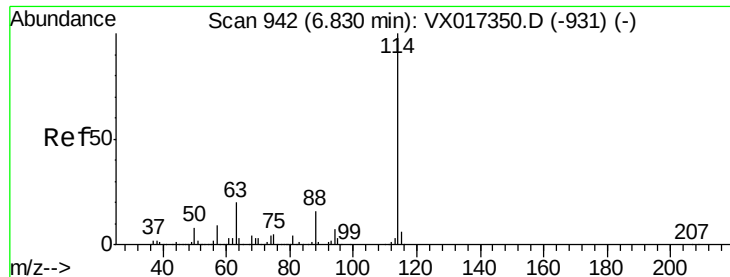
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	37.2	55.8
71	20.5	34.4	51.6



#33
1,2-Dichloroethane-d4
Concen: 54.955 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

PB130292ZHE#03

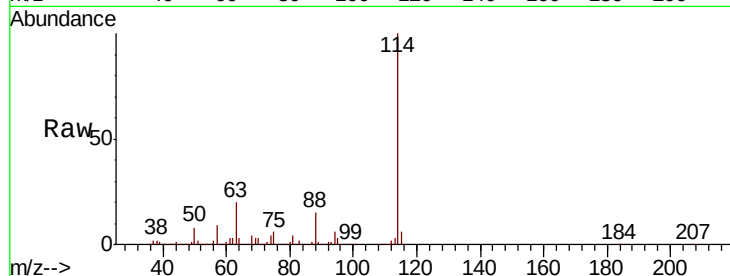
Tot Ion:114 Resp: 411328

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

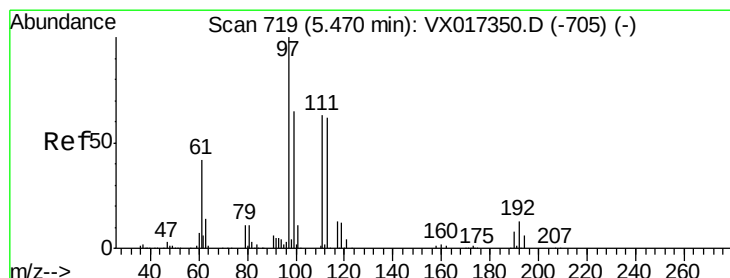
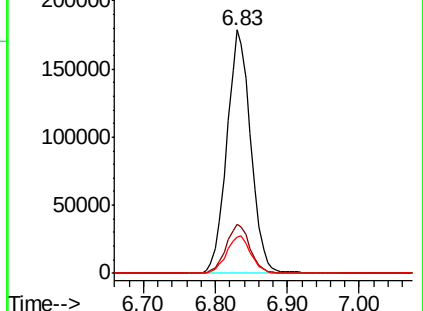
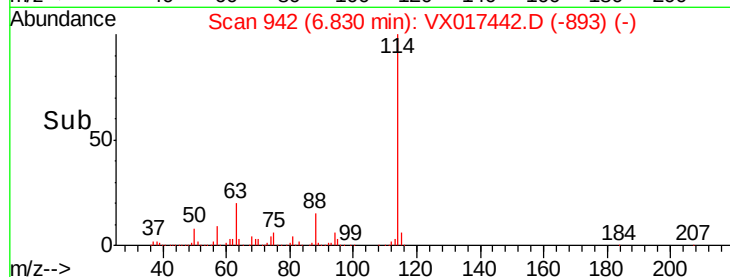
88 14.9 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.537 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

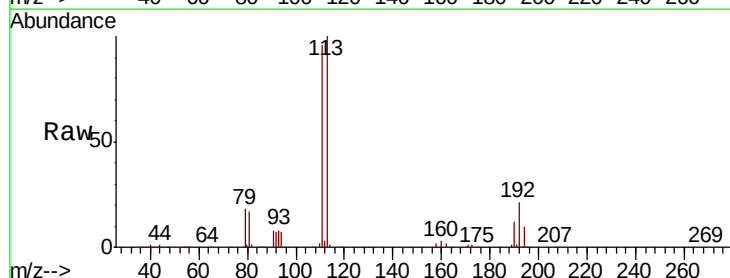
Tgt Ion:113 Resp: 142797

Ion Ratio Lower Upper

113 100

111 99.9 82.4 123.6

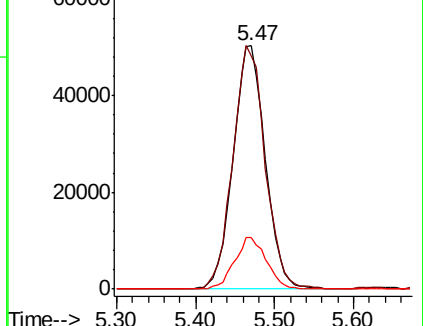
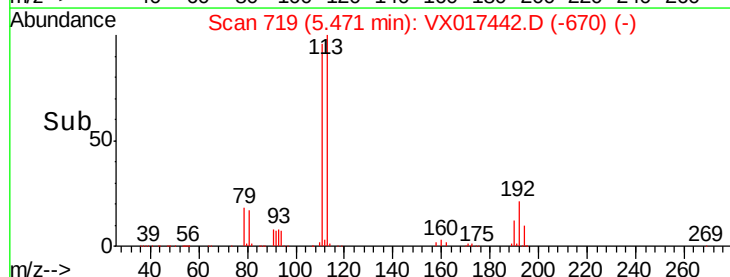
192 20.9 17.2 25.8

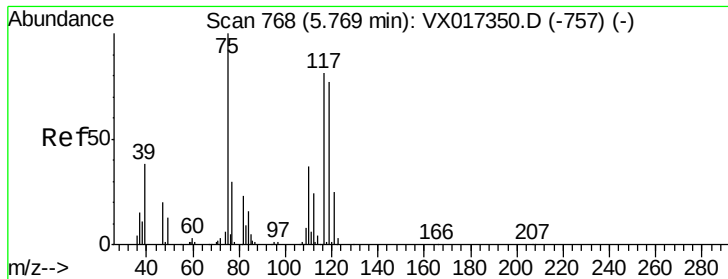


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

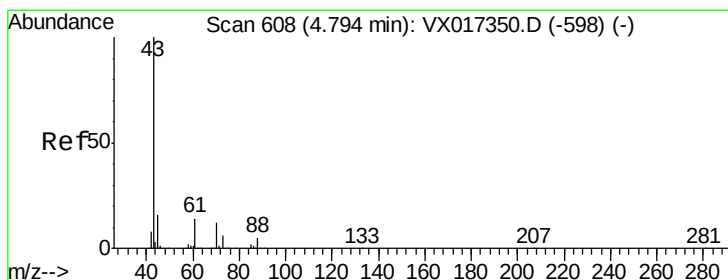
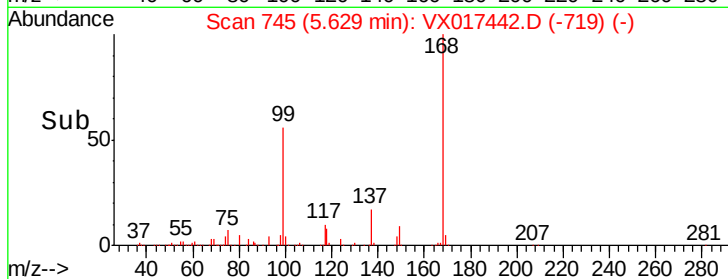
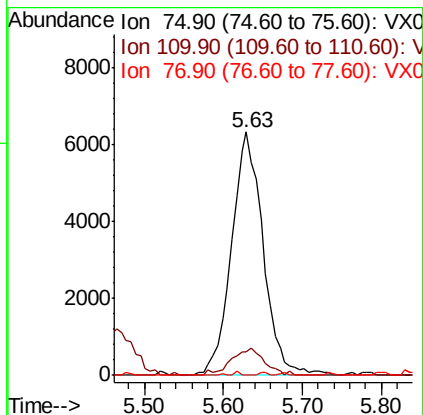
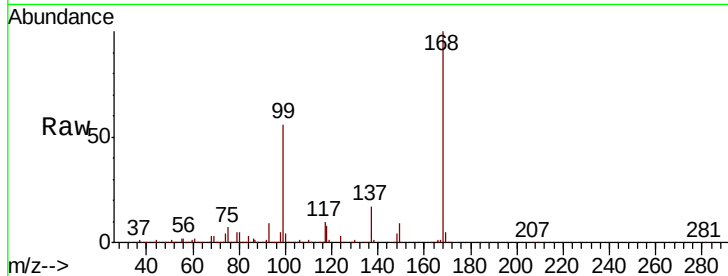




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017442.D
 Acq: 20 Jul 2020 18:21

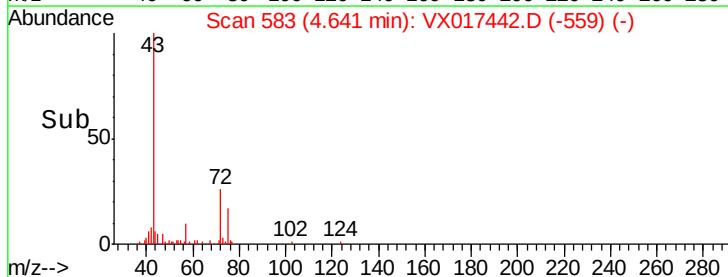
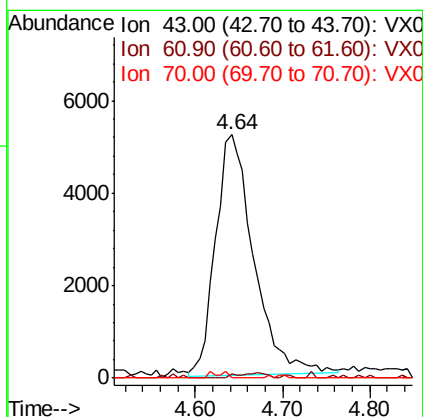
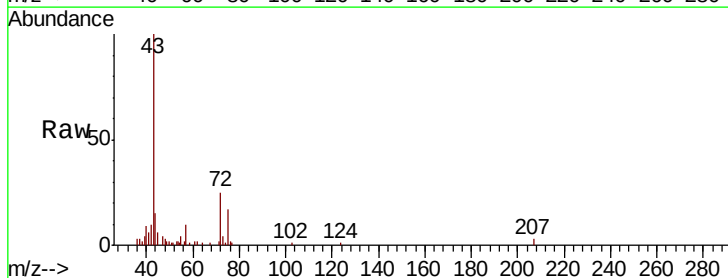
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130292ZHE#03

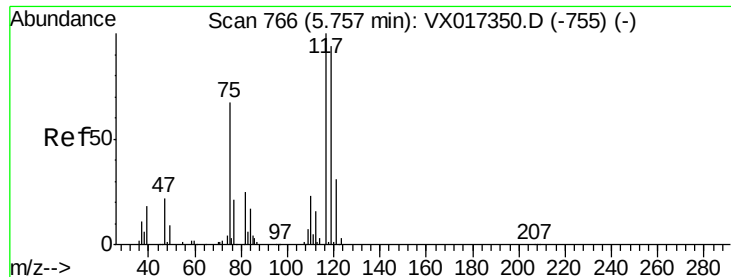
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.6	55.8#
77	0.3	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 4.040 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX017442.D
 Acq: 20 Jul 2020 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 5.323 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

PB130292ZHE#03

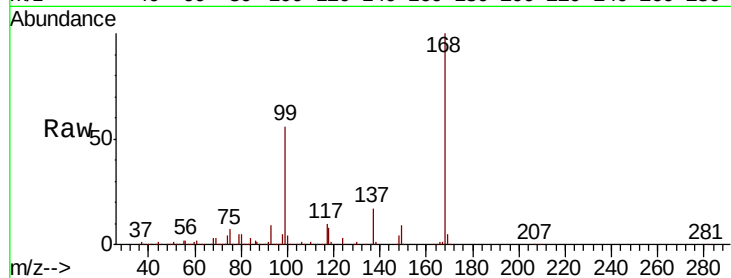
Tot Ion:117 Resp: 23580

Ion Ratio Lower Upper

117 100

119 5.6 74.7 112.1#

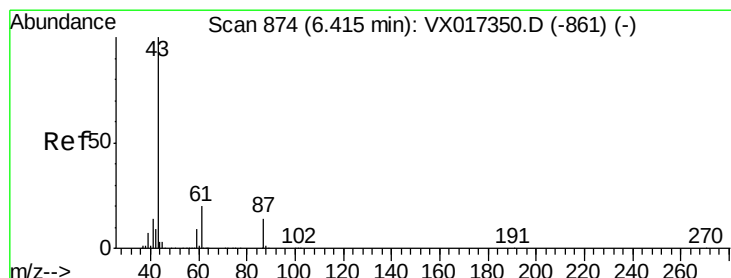
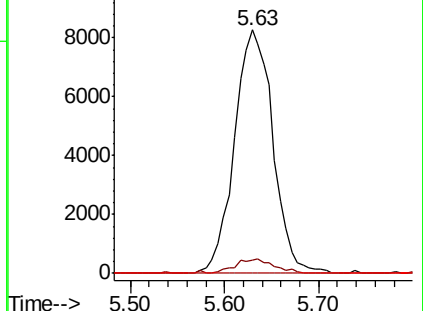
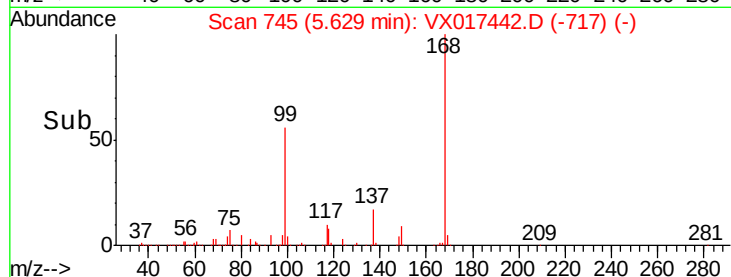
121 0.0 24.5 36.7#



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: 13.172 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

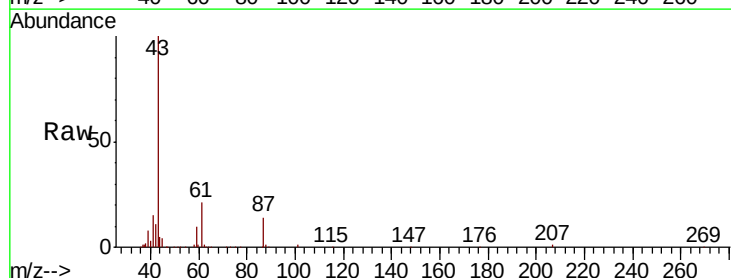
Tgt Ion: 43 Resp: 82355

Ion Ratio Lower Upper

43 100

61 19.9 16.4 24.6

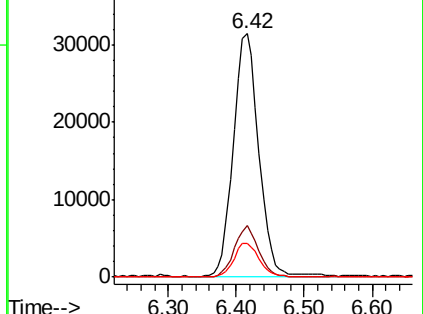
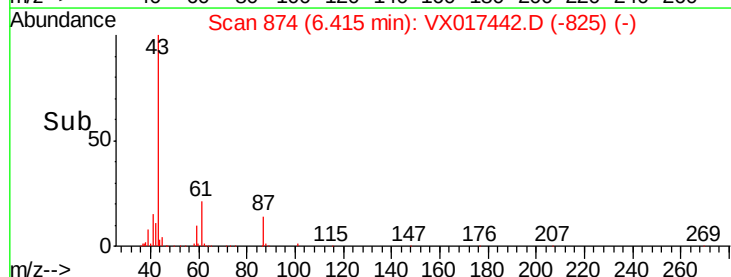
87 13.7 11.2 16.8

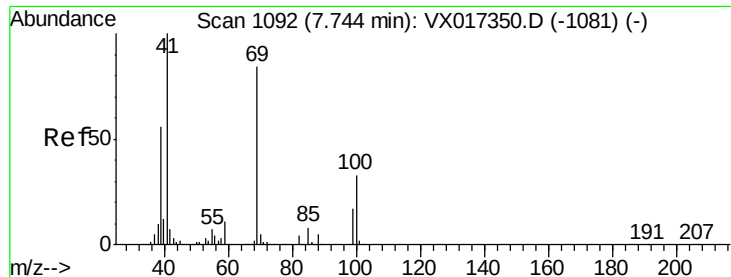


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

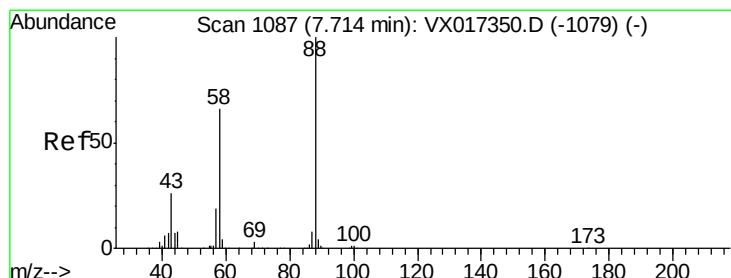
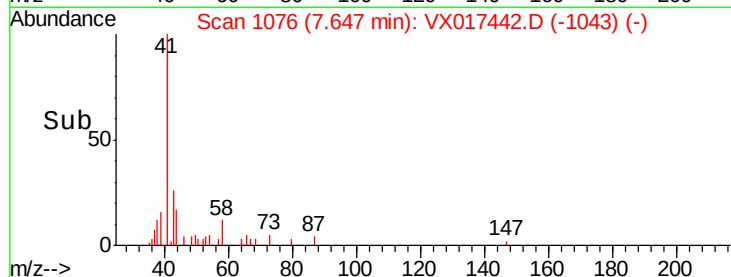
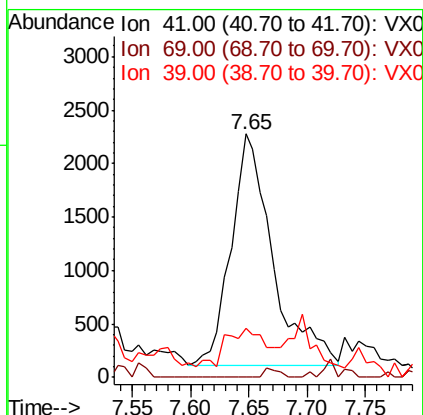
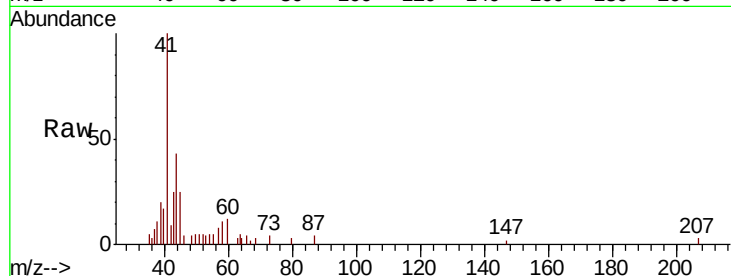




#48
Methvl methacrylate
Concen: 1.792 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

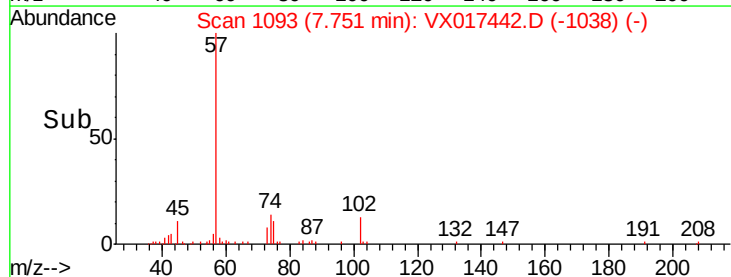
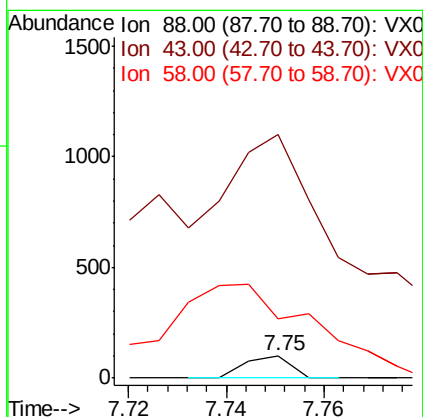
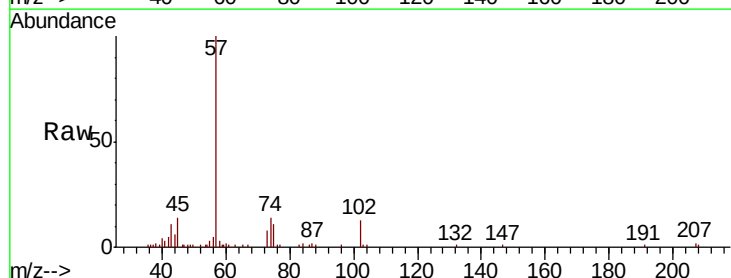
Instrument :
MSVOA_X
ClientSampleId :
PB130292ZHE#03

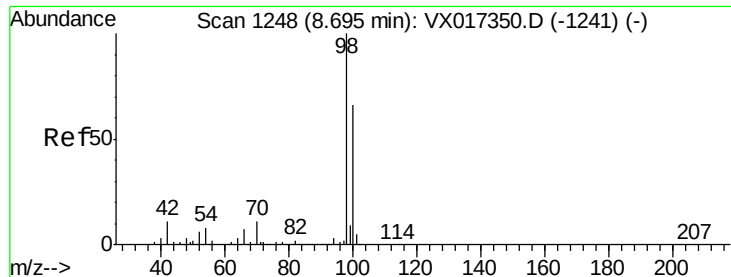
Tot Ion: 41 Resp: 5376
Ion Ratio Lower Upper
41 100
69 1.4 67.8 101.6#
39 0.0 45.1 67.7#



#49
1,4-Dioxane
Concen: 1.059 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.04 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 1273.8 53.9 80.9#





#50

Toluene-d8

Concen: 53.230 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

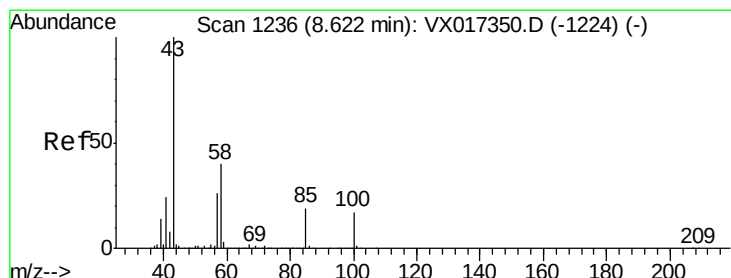
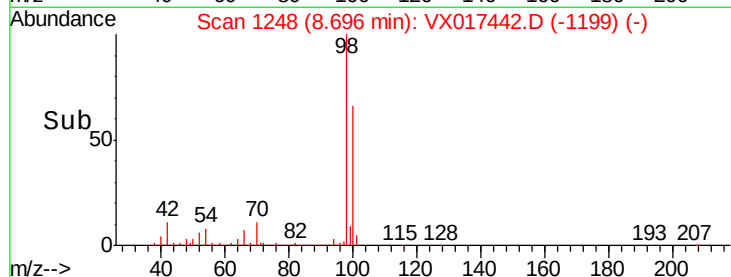
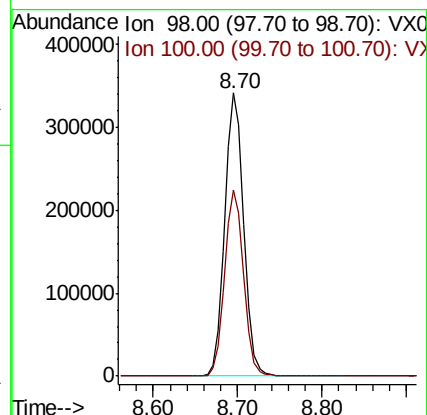
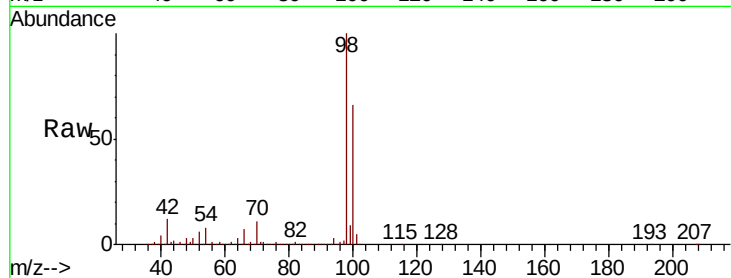
PB130292ZHE#03

Tot Ion: 98 Resp: 532016

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 20.144 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017442.D

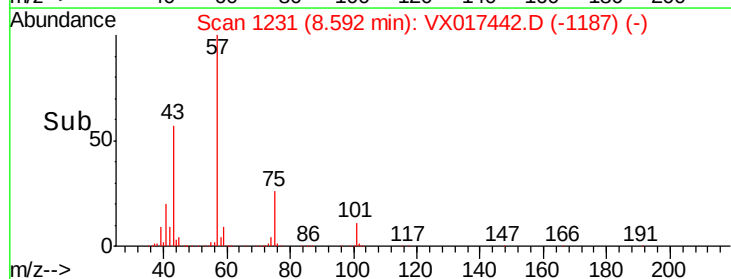
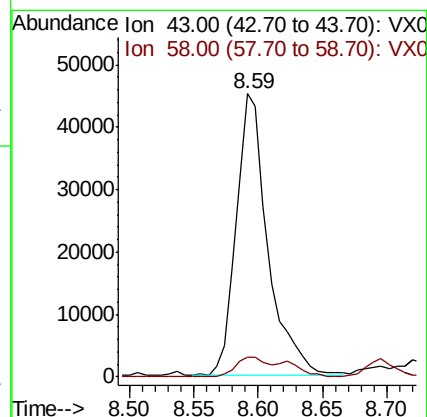
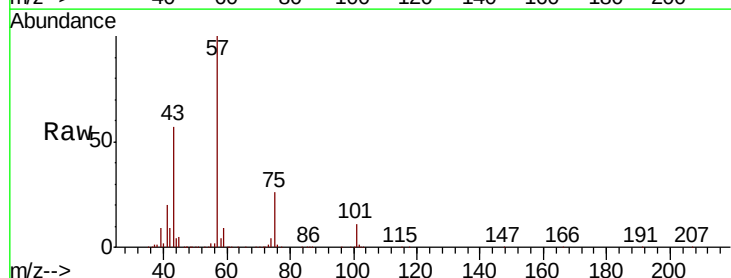
Acq: 20 Jul 2020 18:21

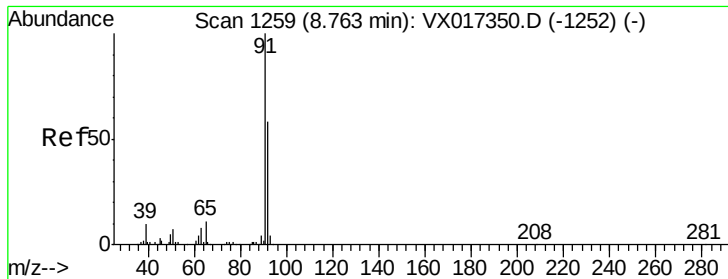
Tgt Ion: 43 Resp: 76795

Ion Ratio Lower Upper

43 100

58 7.2 32.2 48.2#





#52

Toluene

Concen: 0.538 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

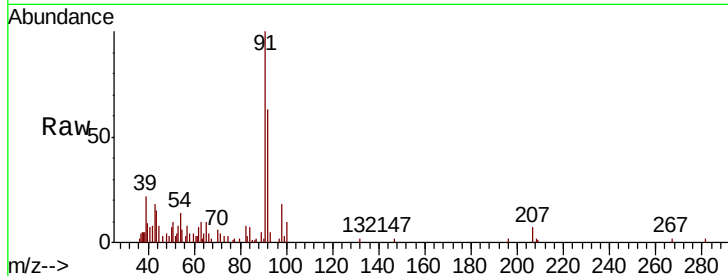
PB130292ZHE#03

Tot Ion: 92 Resp: 3755

Ion Ratio Lower Upper

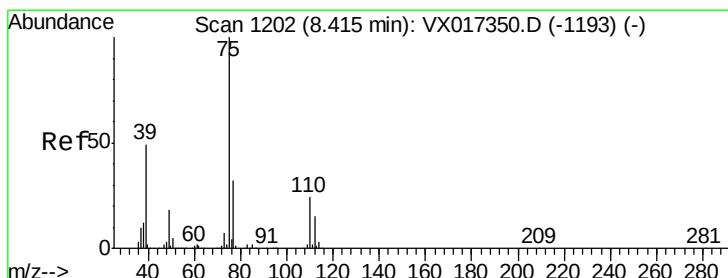
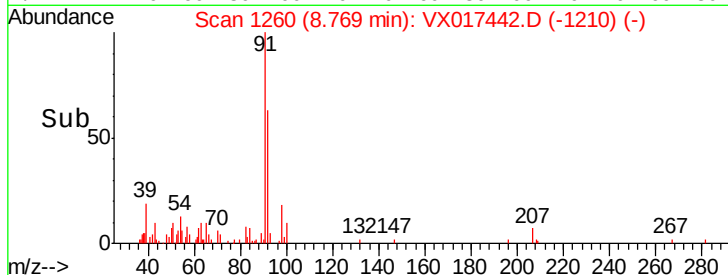
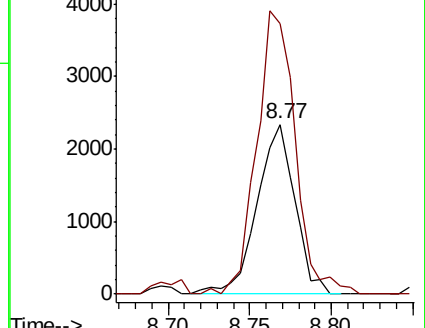
92 100

91 170.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 6.973 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

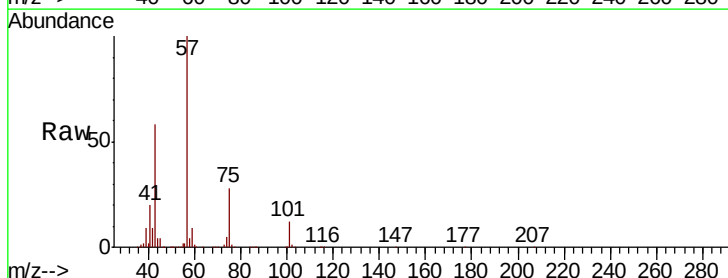
Tgt Ion: 75 Resp: 33610

Ion Ratio Lower Upper

75 100

77 0.9 25.3 37.9#

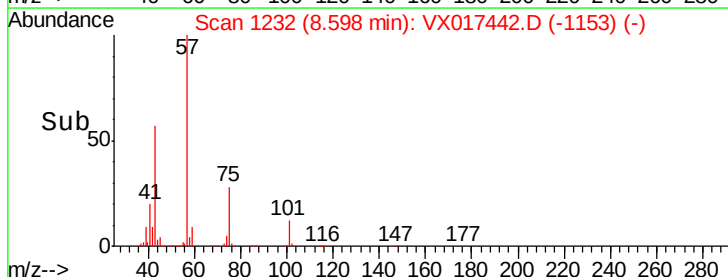
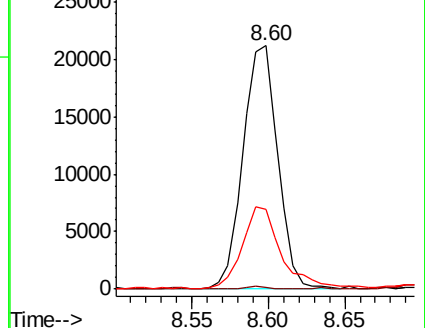
39 32.5 38.9 58.3#

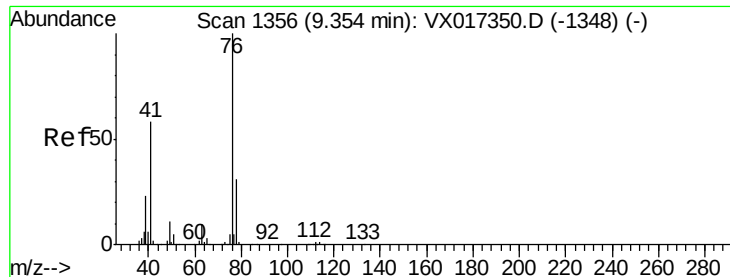


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 1.357 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

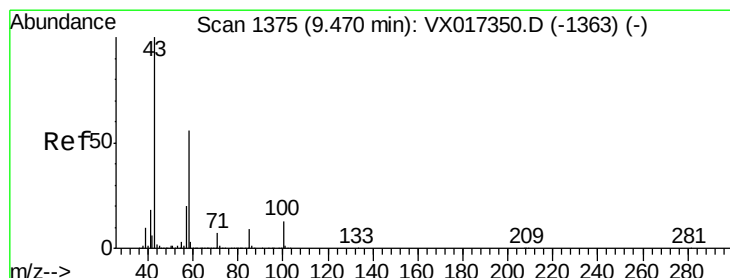
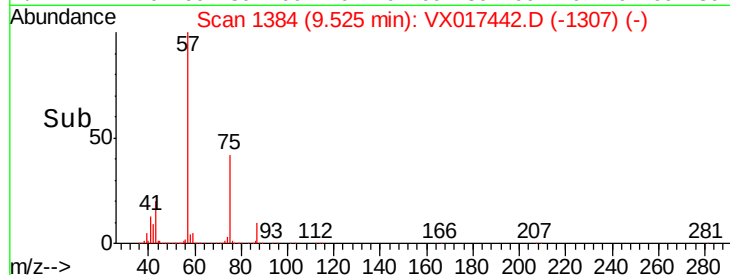
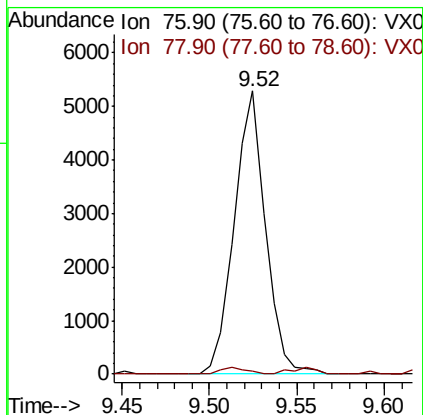
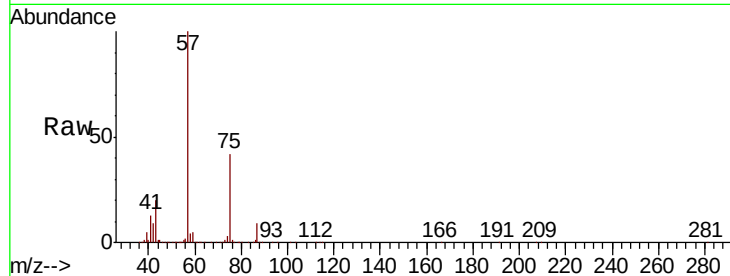
PB130292ZHE#03

Tot Ion: 76 Resp: 6570

Ion Ratio Lower Upper

76 100

78 1.9 25.8 38.6#



#59

2-Hexanone

Concen: 26.296 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX017442.D

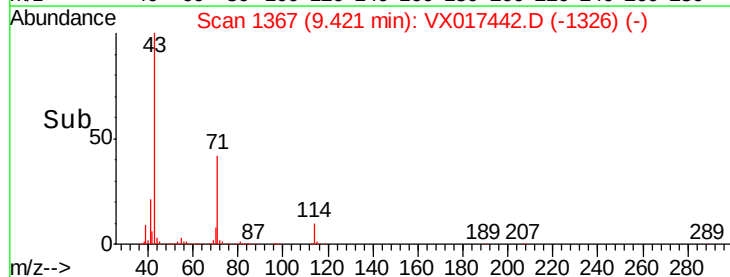
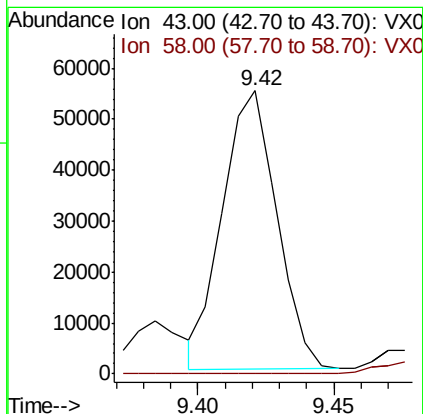
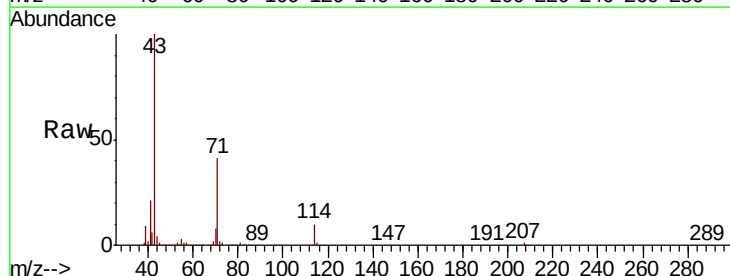
Acq: 20 Jul 2020 18:21

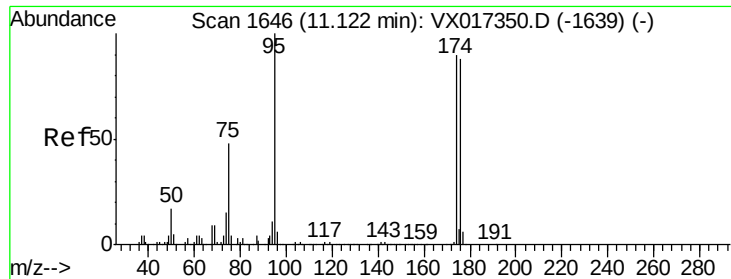
Tgt Ion: 43 Resp: 75663

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#

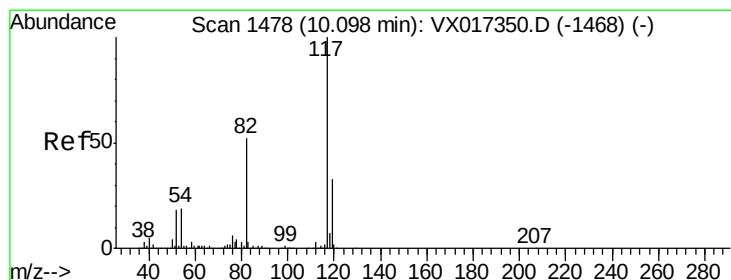
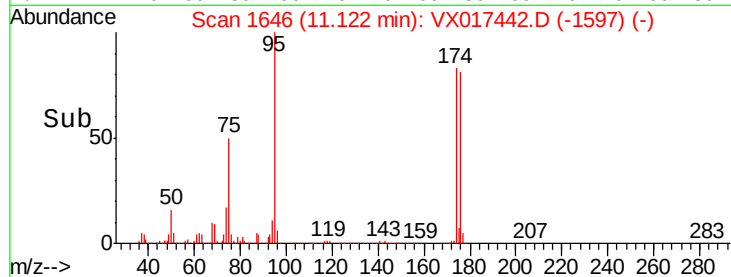
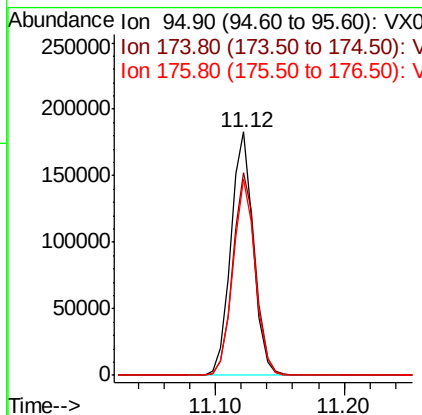
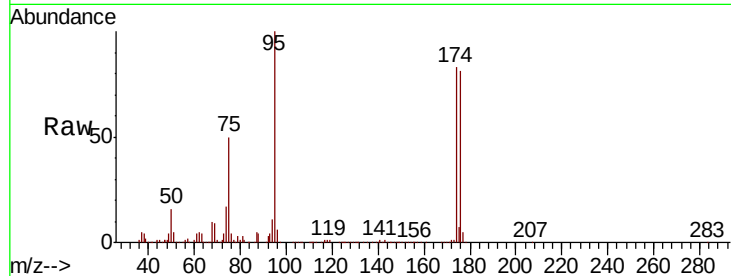




#62
4-Bromofluorobenzene
Concen: 56.031 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

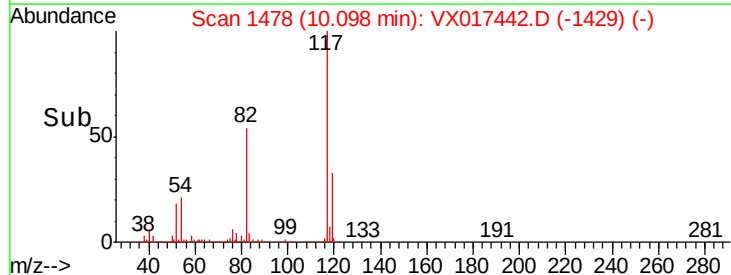
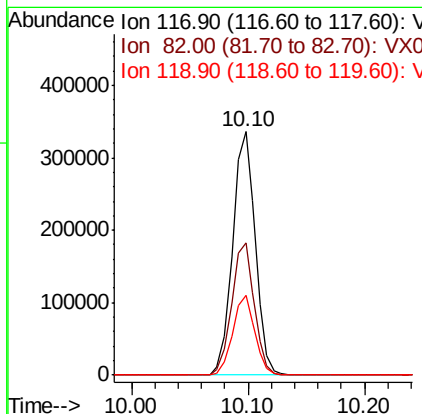
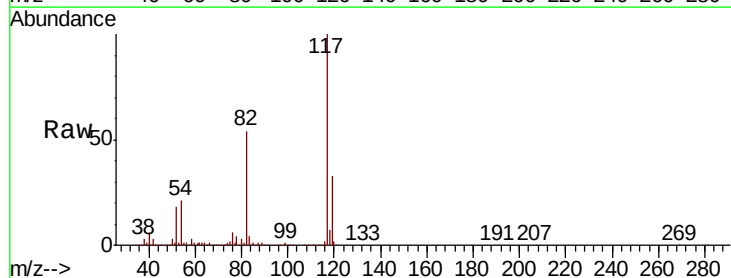
Instrument :
MSVOA_X
ClientSampleId :
PB130292ZHE#03

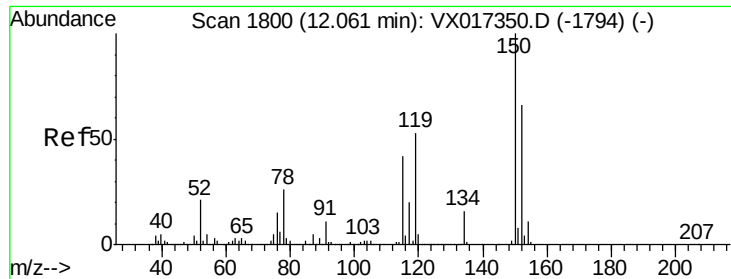
Tot Ion: 95 Resp: 222444
Ion Ratio Lower Upper
95 100
174 84.7 0.0 175.8
176 80.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017442.D
Acq: 20 Jul 2020 18:21

Tgt Ion: 117 Resp: 453490
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

PB130292ZHE#03

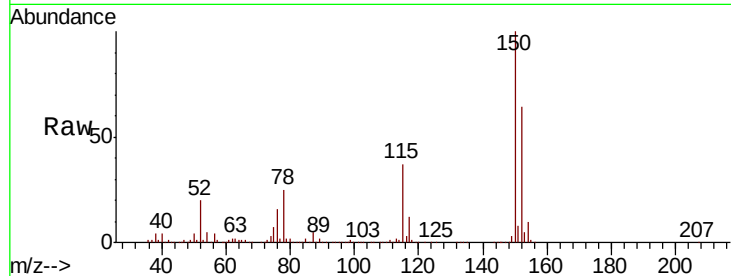
Tot Ion:152 Resp: 240599

Ion Ratio Lower Upper

152 100

115 57.8 39.9 119.7

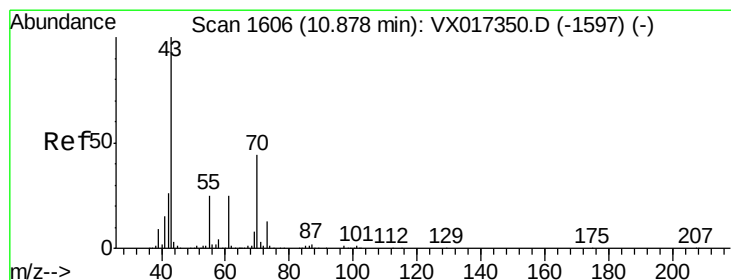
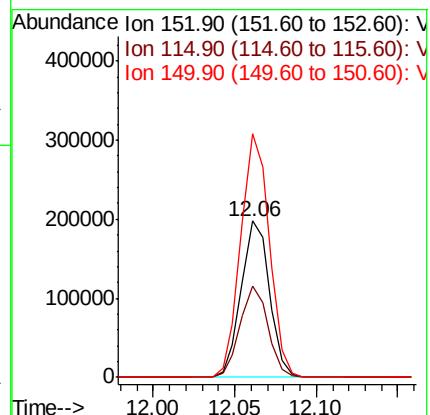
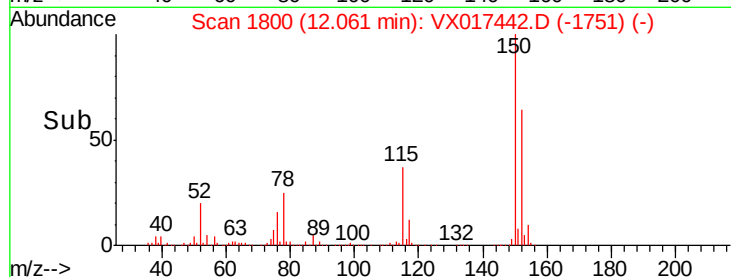
150 157.4 0.0 343.4



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: 0.849 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Tgt Ion: 43 Resp: 5127

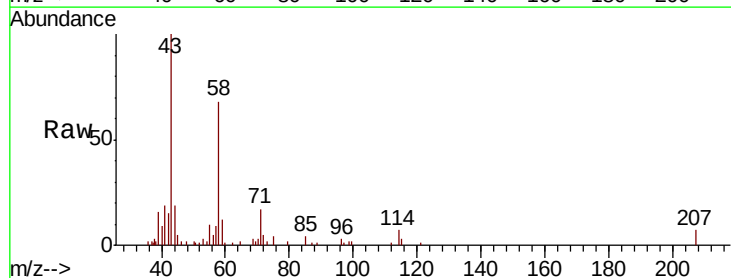
Ion Ratio Lower Upper

43 100

70 4.8 35.7 53.5#

55 14.6 20.3 30.5#

61 0.0 20.0 30.0#

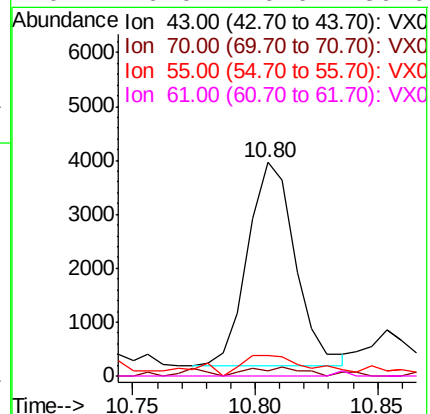
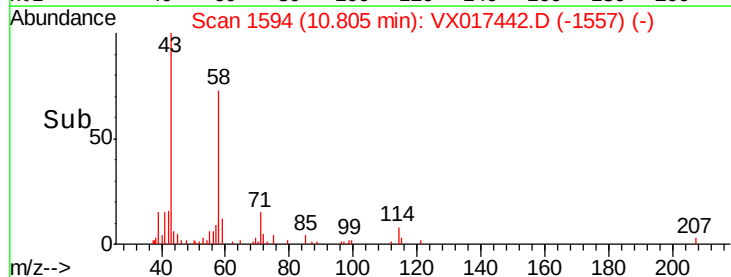


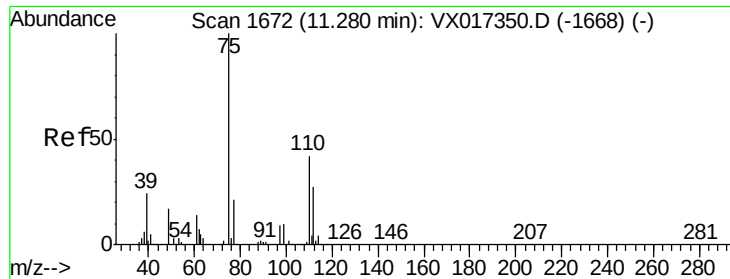
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

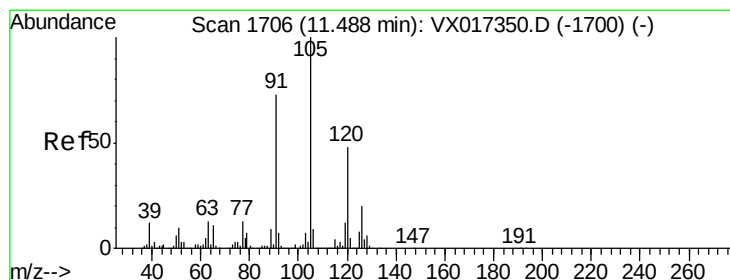
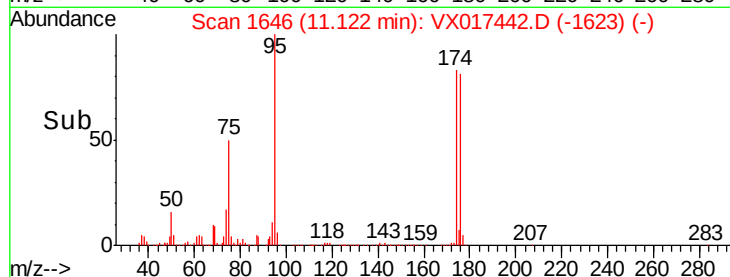
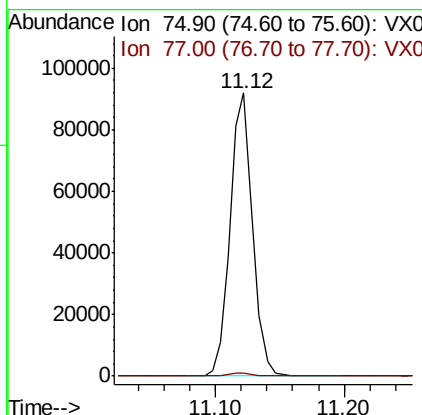
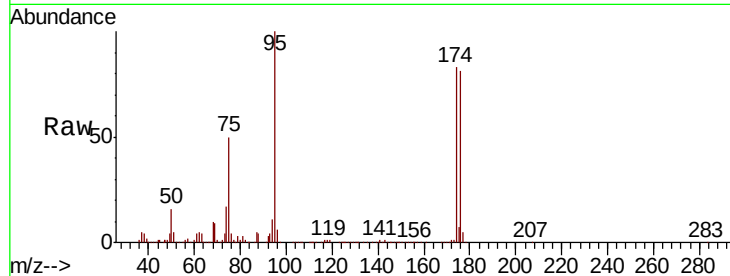




#76
 1,2,3-Trichloropropane
 Concen: 25.254 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017442.D
 Acq: 20 Jul 2020 18:21

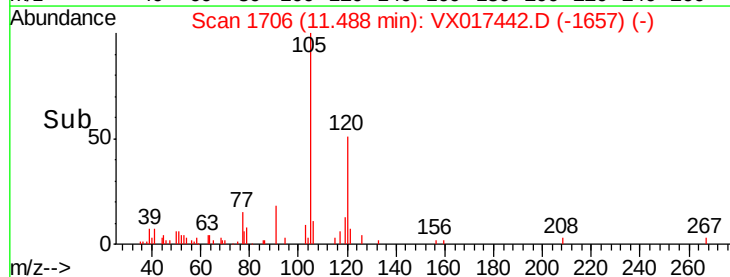
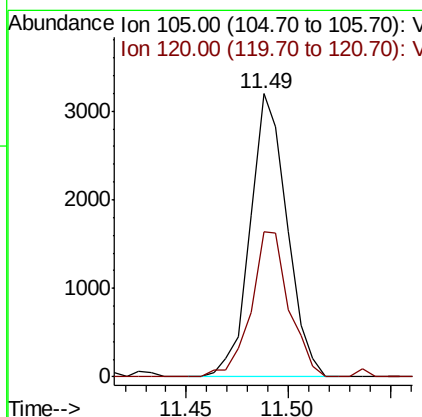
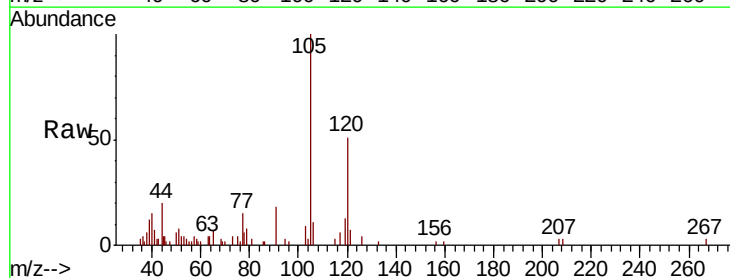
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130292ZHE#03

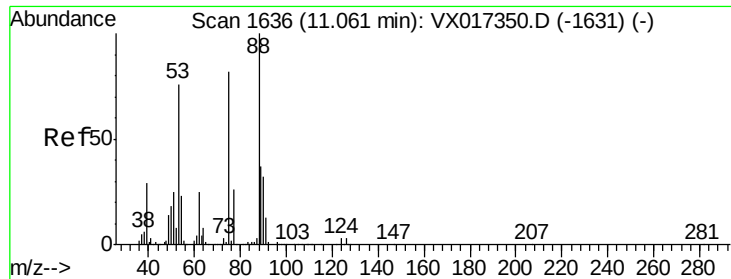
Tot Ion: 75 Resp: 112274
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.314 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017442.D
 Acq: 20 Jul 2020 18:21

Tgt Ion: 105 Resp: 4021
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 64.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017442.D

Acq: 20 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

PB130292ZHE#03

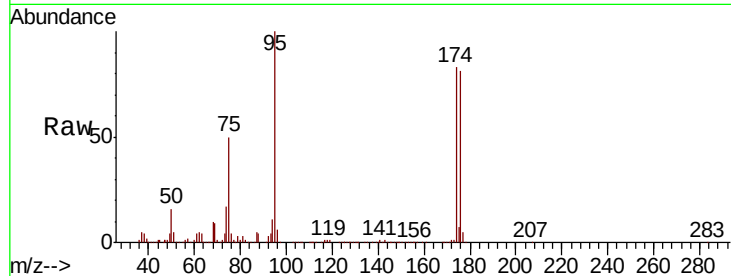
Tot Ion: 75 Resp: 112274

Ion Ratio Lower Upper

75 100

53 0.4 76.5 114.7#

89 0.0 38.1 57.1#



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

