

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017439.D
 Acq On : 20 Jul 2020 17:13
 Operator : JC/SP
 Sample : PB130292TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130292TB

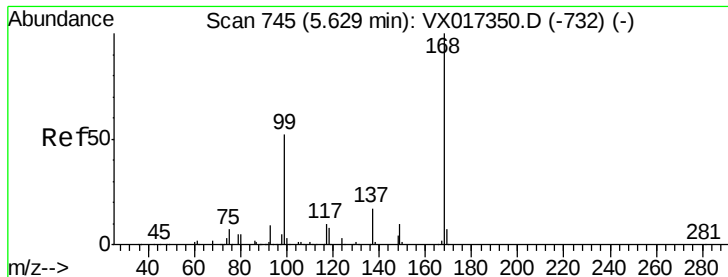
Quant Time: Jul 21 02:05:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	426970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249923	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	165701	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	5.46	113	145476	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.70	98	541094	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	233220	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1085	0.799	ug/l	82
10) Methyl Iodide	2.34	142	22	2.381	ug/l #	39
11) Tert butyl alcohol	3.01	59	1511	2.957	ug/l	95
13) Acrolein	2.29	56	140	0.500	ug/l #	1
16) Acetone	2.42	43	33014	30.510	ug/l	100
18) Methyl Acetate	2.75	43	3119	1.167	ug/l #	75
20) Methylene Chloride	2.84	84	34231	12.966	ug/l	97
25) 2-Butanone	4.64	43	5401	3.143	ug/l #	87
29) Tetrahydrofuran	5.10	42	1281	1.151	ug/l #	86
36) 1,1-Dichloropropene	5.62	75	18310	4.662	ug/l #	40
38) Carbon Tetrachloride	5.63	117	25345	5.512	ug/l #	17
43) Isopropyl Acetate	6.42	43	84450	13.012	ug/l	99
48) Methyl methacrylate	7.65	41	4175	1.341	ug/l #	14
49) 1,4-Dioxane	7.73	88	30	0.471	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	82758	20.913	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	36205	7.236	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	6467	1.287	ug/l #	42
59) 2-Hexanone	9.42	43	81634	27.332	ug/l #	23
74) N-amyl acetate	10.80	43	4386	0.700	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	117406	25.423	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	5917	0.445	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.12	75	117406	64.492	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

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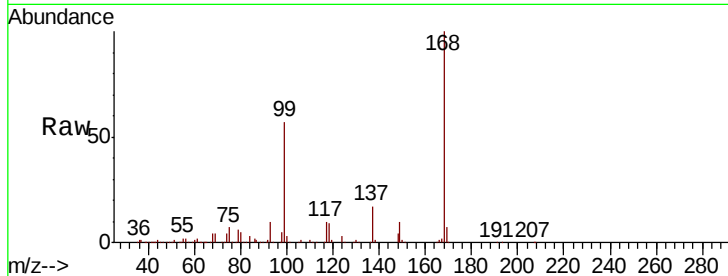
PB130292TB

Tot Ion:168 Resp: 241661

Ion Ratio Lower Upper

168 100

99 57.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

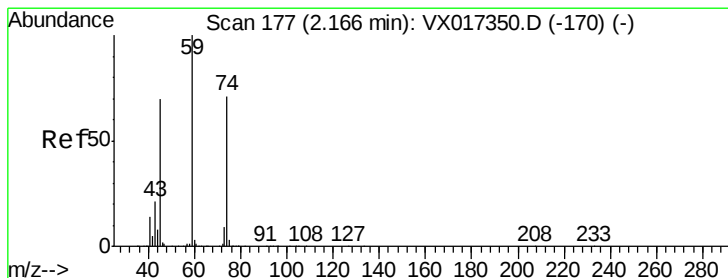
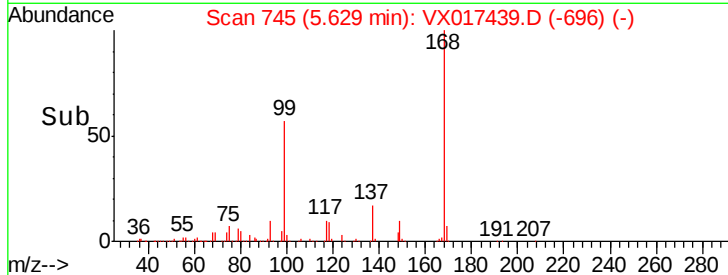
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.799 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017439.D

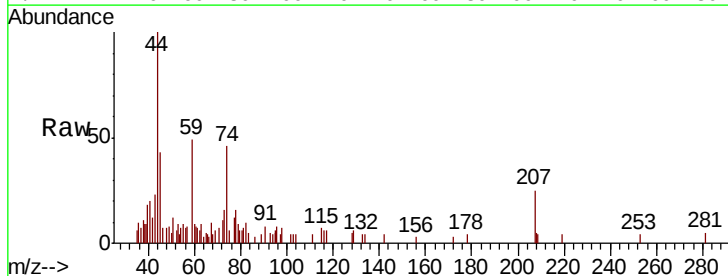
Acq: 20 Jul 2020 17:13

Tgt Ion: 74 Resp: 1085

Ion Ratio Lower Upper

74 100

45 112.2 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

800

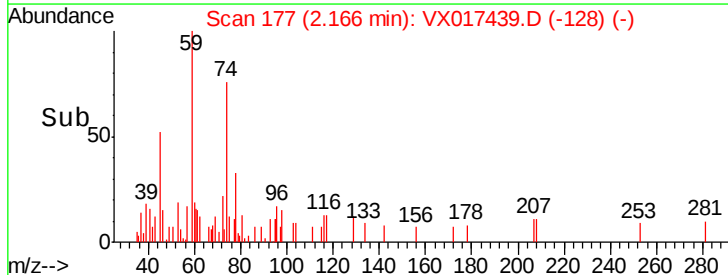
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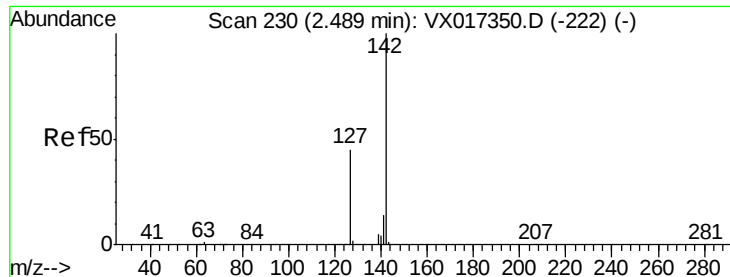
400

200

0

Time-->

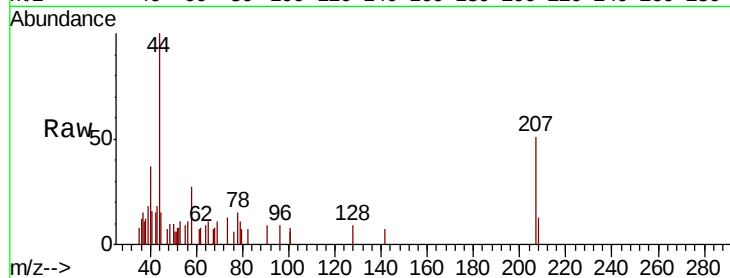




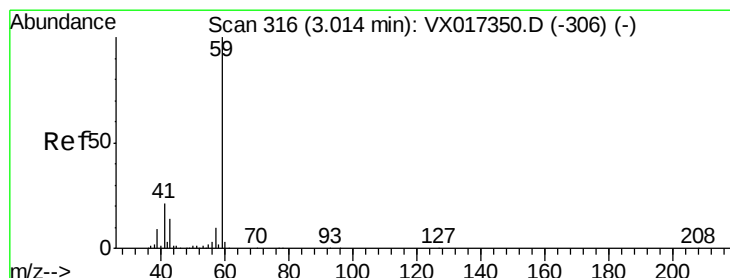
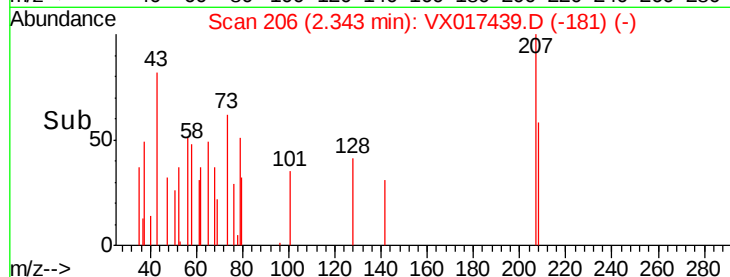
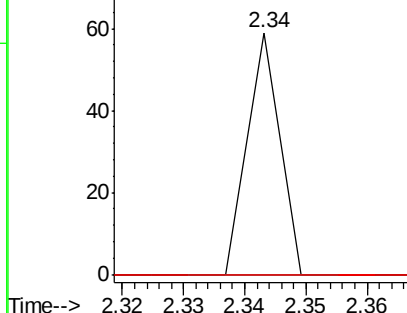
#10
Methyl Iodide
Concen: 2.381 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.15 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
PB130292TB

Tot Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.4 17.0#

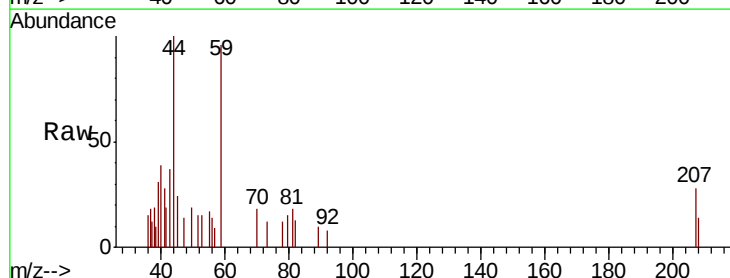


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

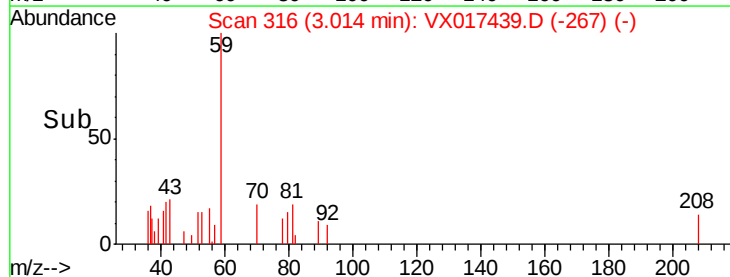
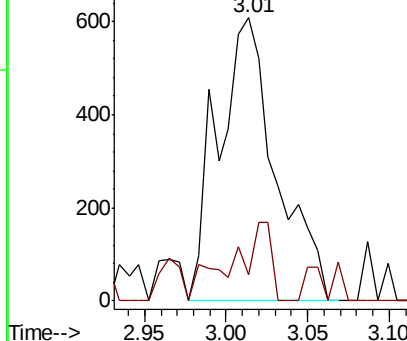


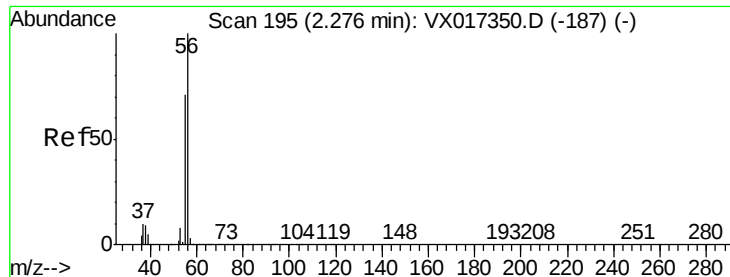
#11
Tert butyl alcohol
Concen: 2.957 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion: 59 Resp: 1511
Ion Ratio Lower Upper
59 100
57 12.4 8.3 12.5



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





#13

Acrolein

Concen: 0.500 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

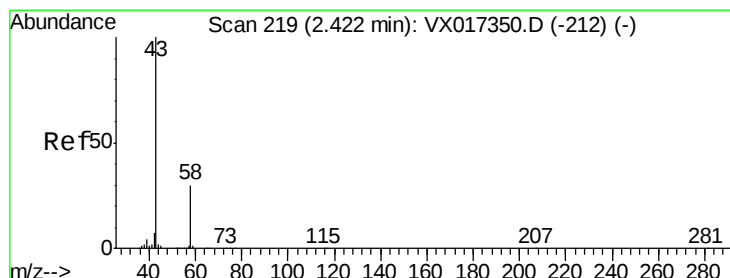
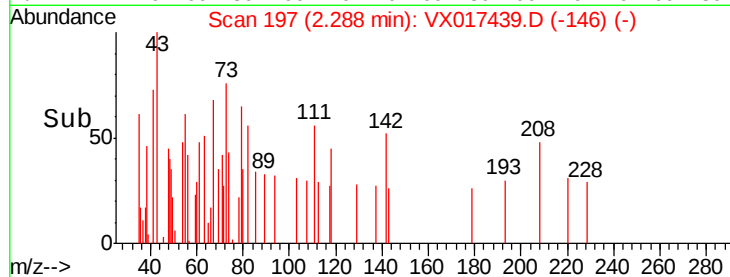
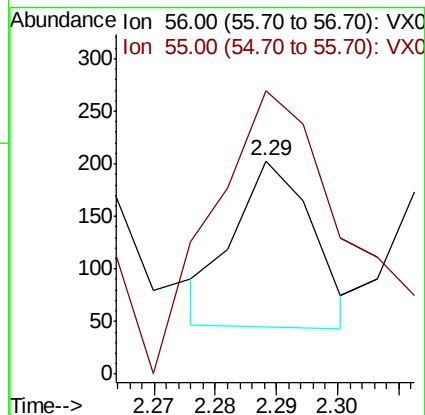
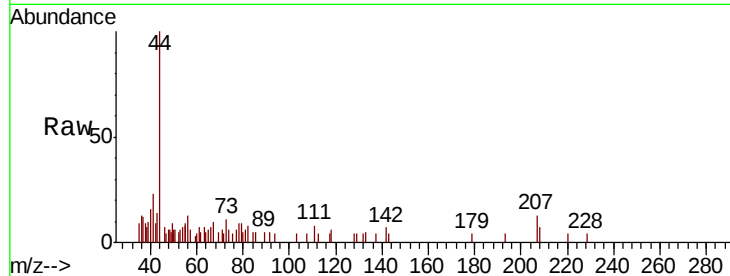
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Tot Ion: 56 Resp: 140

Ion Ratio Lower Upper

56 100

55 294.3 57.1 85.7#



#16

Acetone

Concen: 30.510 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017439.D

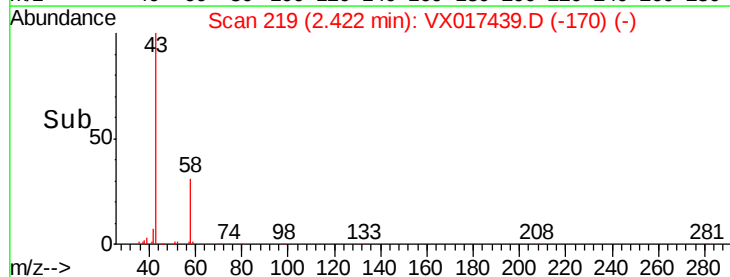
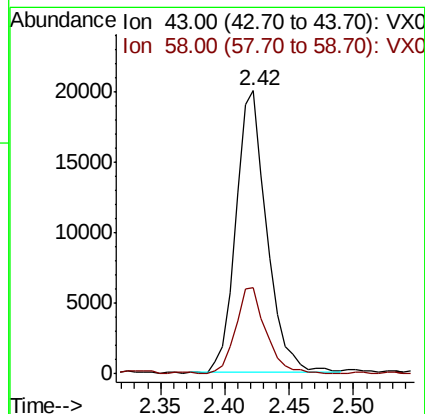
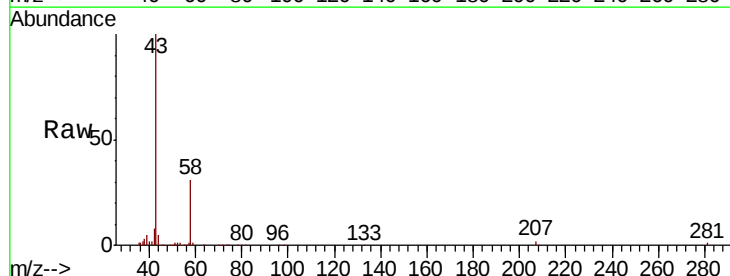
Acq: 20 Jul 2020 17:13

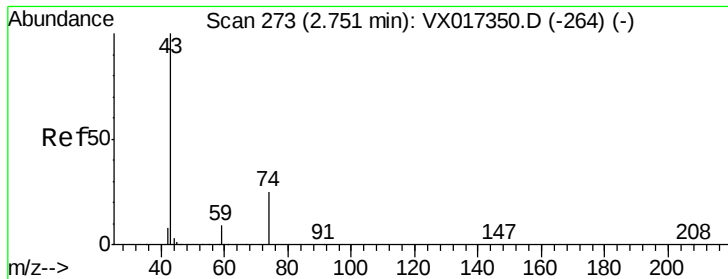
Tgt Ion: 43 Resp: 33014

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2

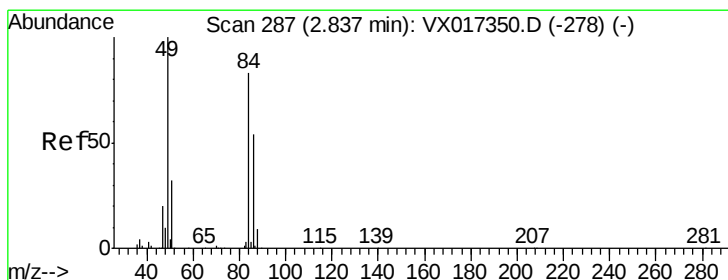
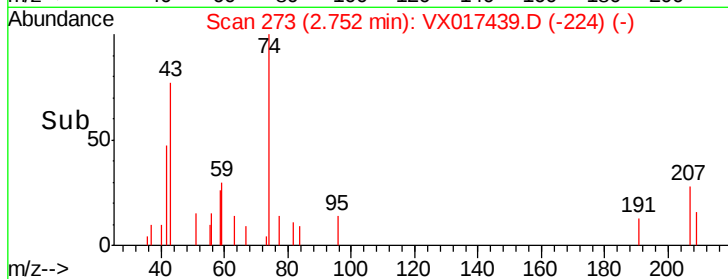
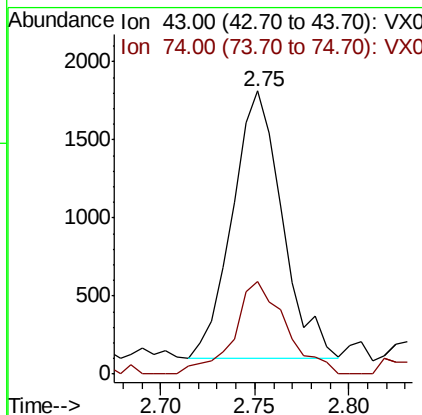
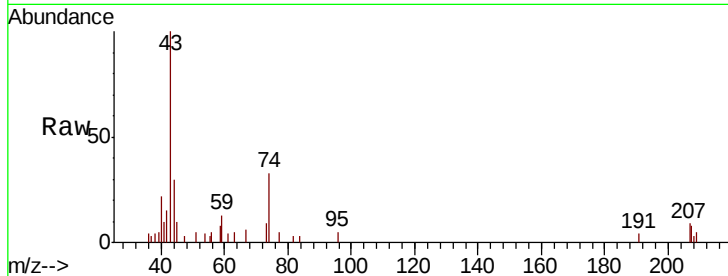




#18
Methyl Acetate
Concen: 1.167 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

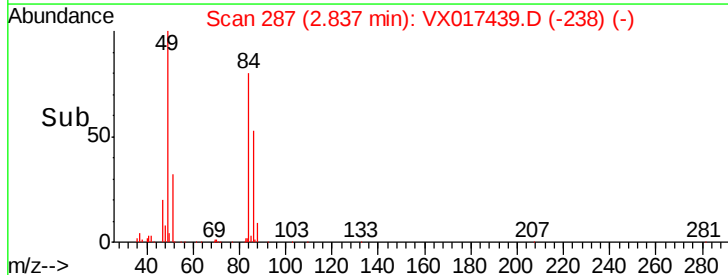
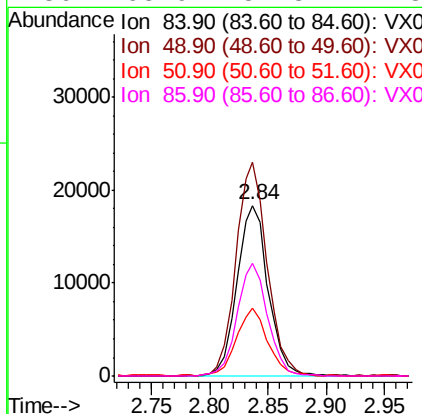
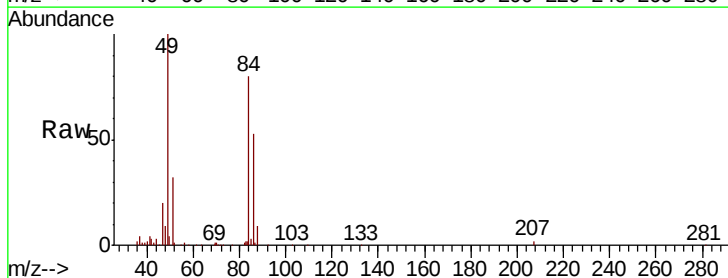
Instrument :
MSVOA_X
ClientSampleId :
PB130292TB

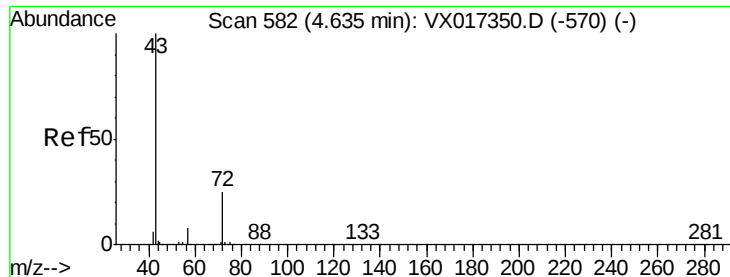
Tot Ion: 43 Resp: 3119
Ion Ratio Lower Upper
43 100
74 36.5 19.4 29.2#



#20
Methylene Chloride
Concen: 12.966 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion: 84 Resp: 34231
Ion Ratio Lower Upper
84 100
49 124.6 95.8 143.8
51 39.7 31.0 46.4
86 65.9 51.8 77.8





#25

2-Butanone

Concen: 3.143 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

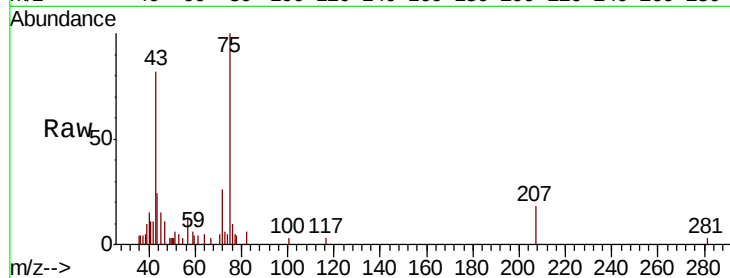
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Tot Ion: 43 Resp: 5401

Ion Ratio Lower Upper

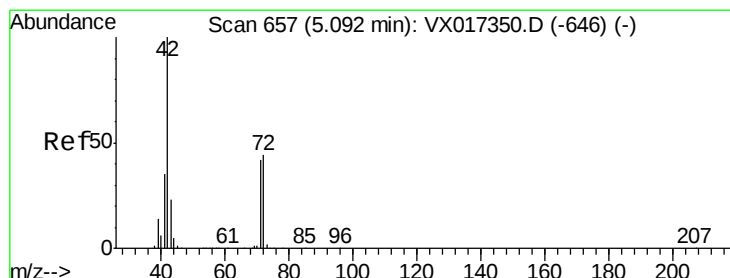
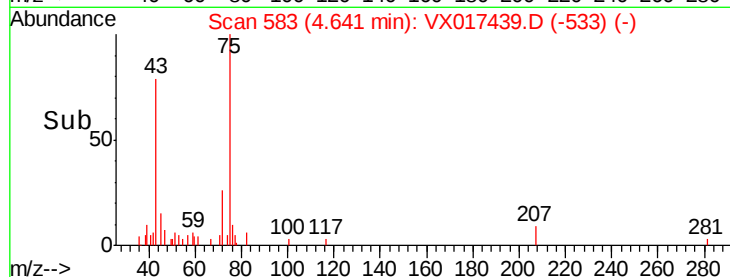
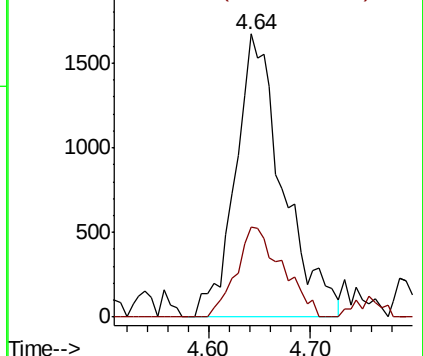
43 100

72 32.1 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.151 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

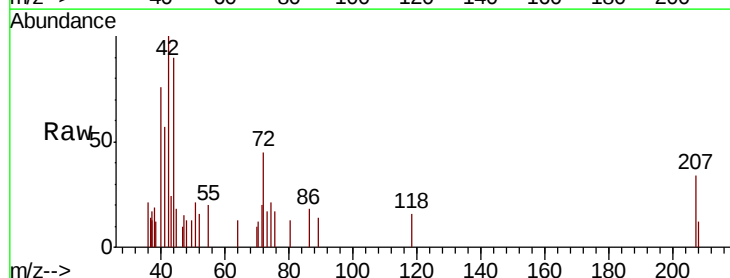
Tgt Ion: 42 Resp: 1281

Ion Ratio Lower Upper

42 100

72 59.0 37.2 55.8#

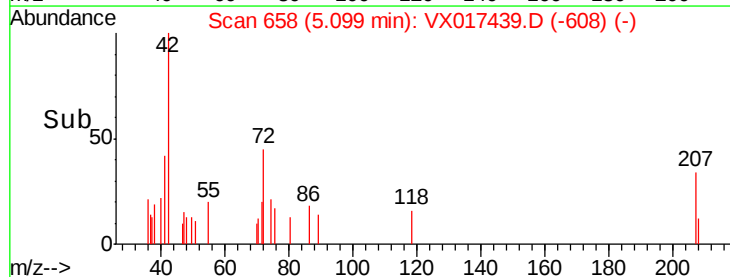
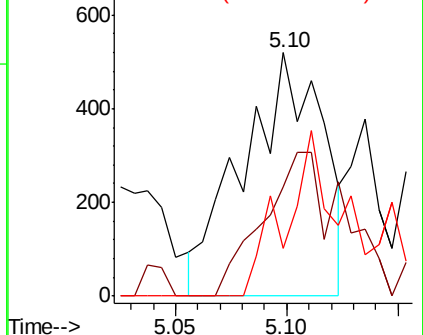
71 48.2 34.4 51.6

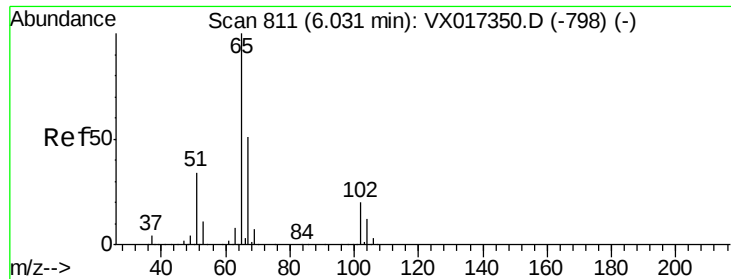


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

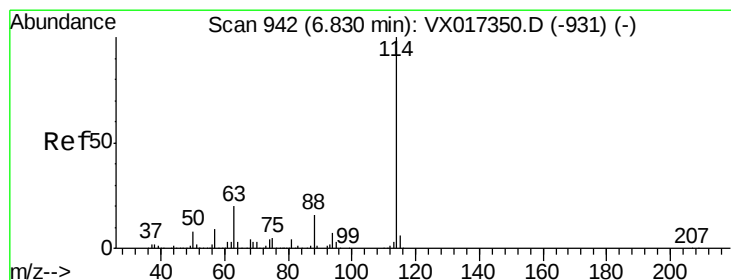
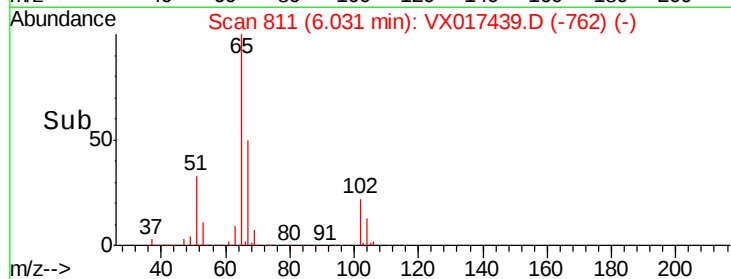
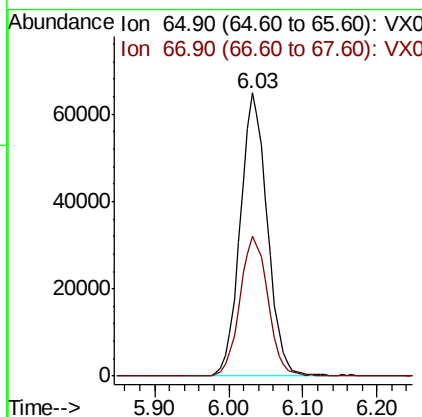
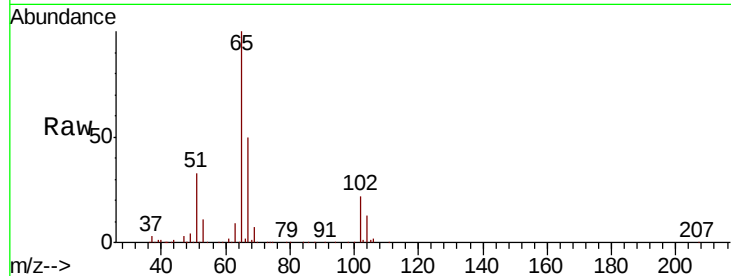




#33
 1,2-Dichloroethane-d4
 Concen: 54.632 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017439.D
 Acq: 20 Jul 2020 17:13

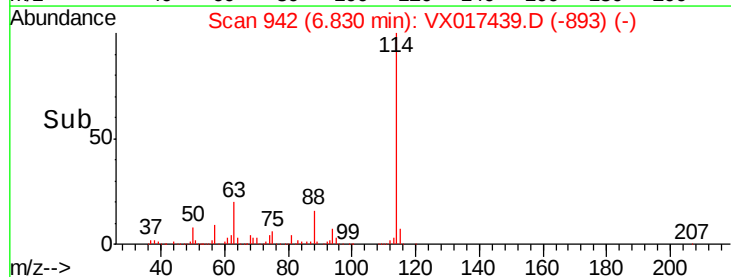
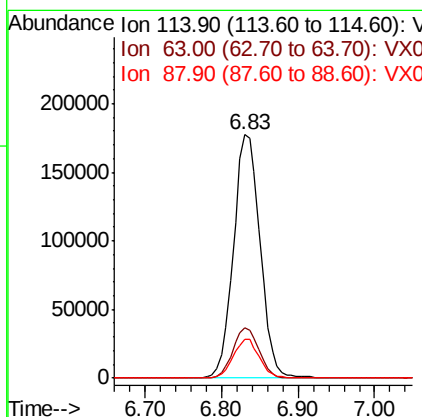
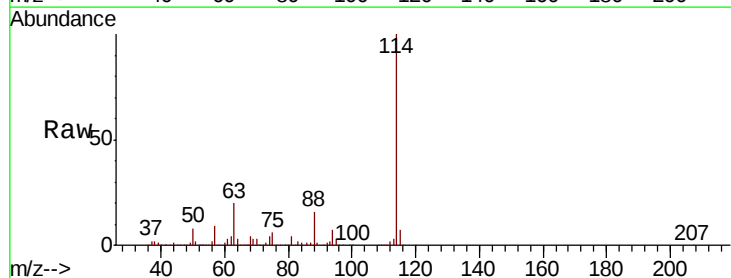
Instrument :
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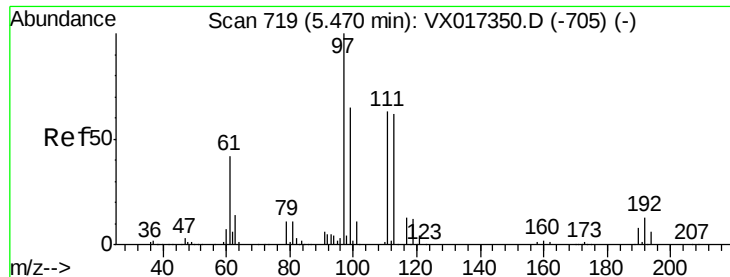
Tot Ion: 65 Resp: 165701
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017439.D
 Acq: 20 Jul 2020 17:13

Tgt Ion: 114 Resp: 426970
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.9 0.0 32.8

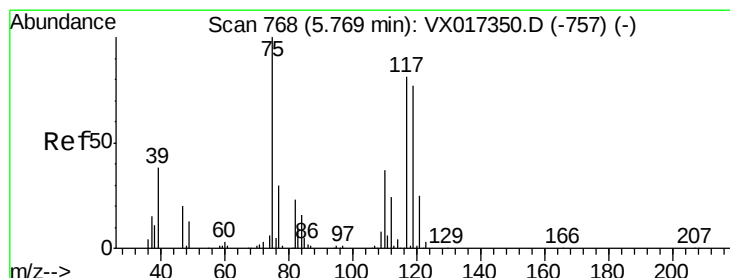
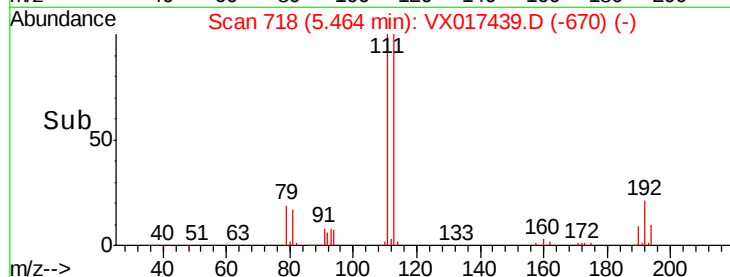
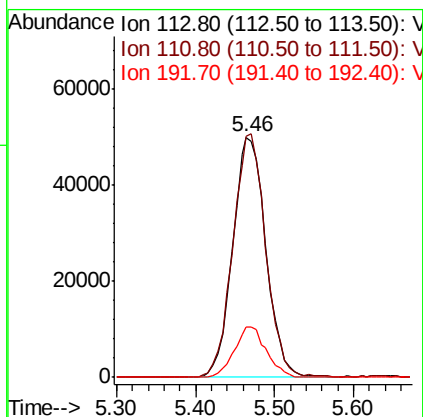
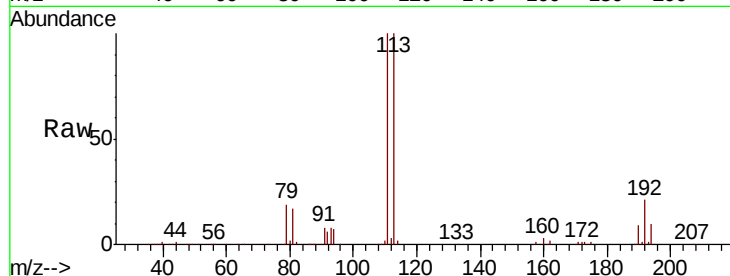




#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

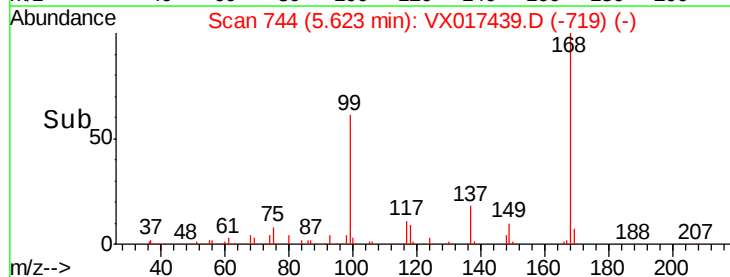
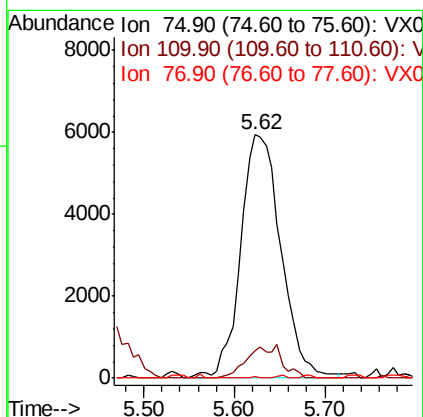
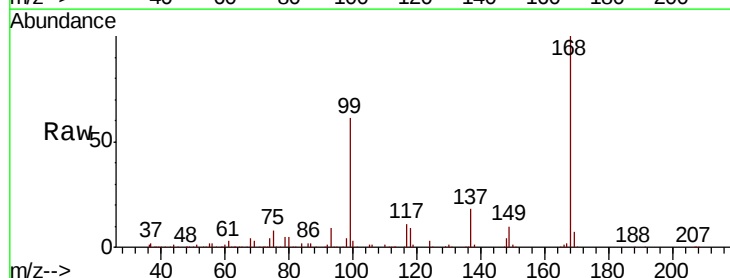
Instrument :
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ClientSampleId :
PB130292TB

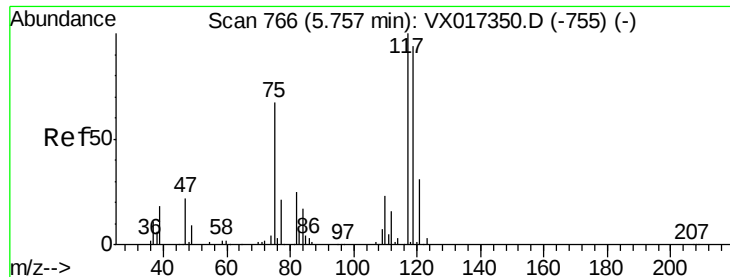
Tot Ion:113 Resp: 145476
Ion Ratio Lower Upper
113 100
111 100.5 82.4 123.6
192 20.3 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.15 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion: 75 Resp: 18310
Ion Ratio Lower Upper
75 100
110 0.0 18.6 55.8#
77 0.1 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.512 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB130292TB

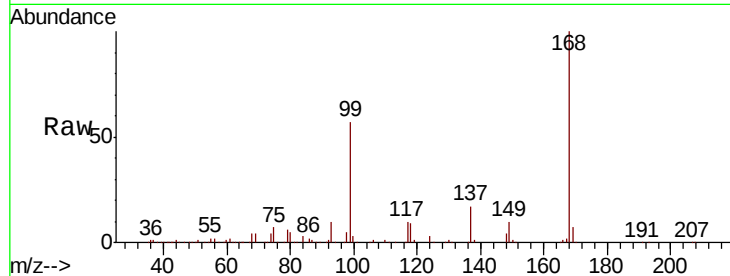
Tot Ion:117 Resp: 25345

Ion Ratio Lower Upper

117 100

119 5.5 74.7 112.1#

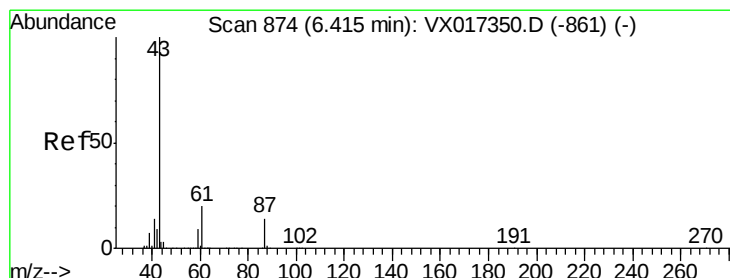
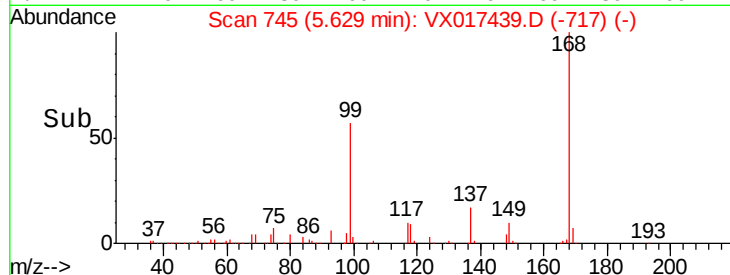
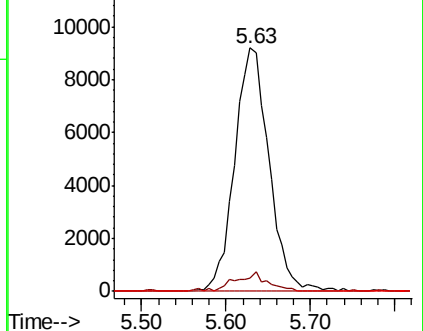
121 0.0 24.5 36.7#



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: 13.012 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

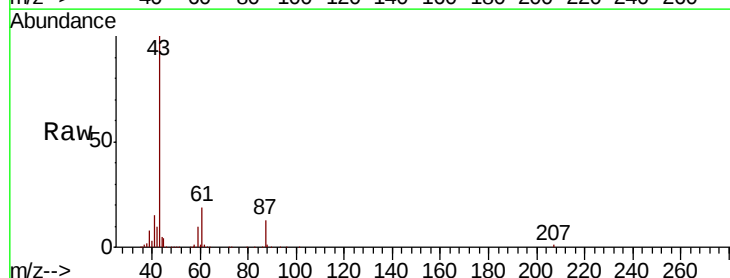
Tgt Ion: 43 Resp: 84450

Ion Ratio Lower Upper

43 100

61 19.9 16.4 24.6

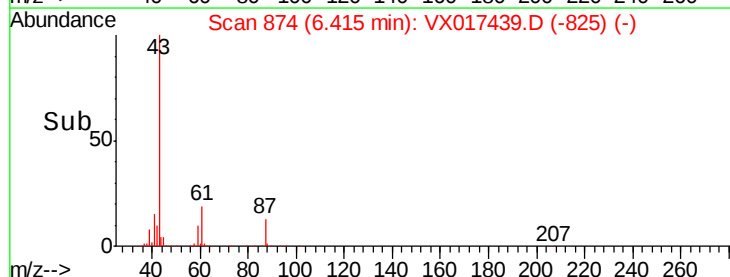
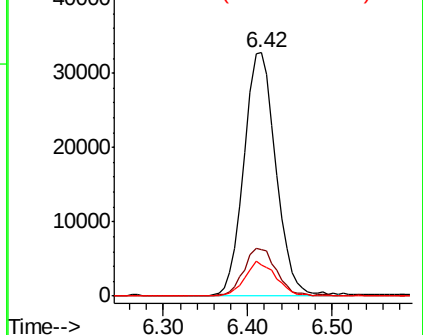
87 13.9 11.2 16.8

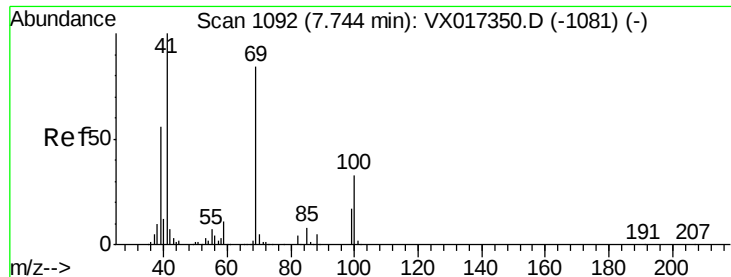


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

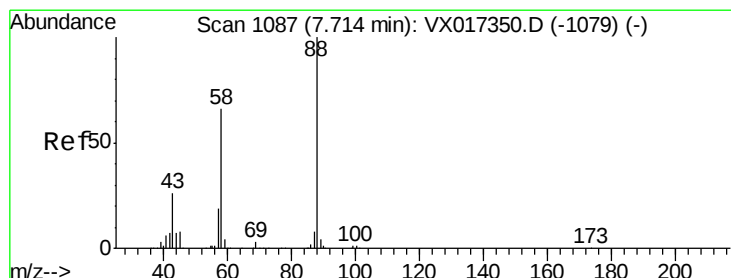
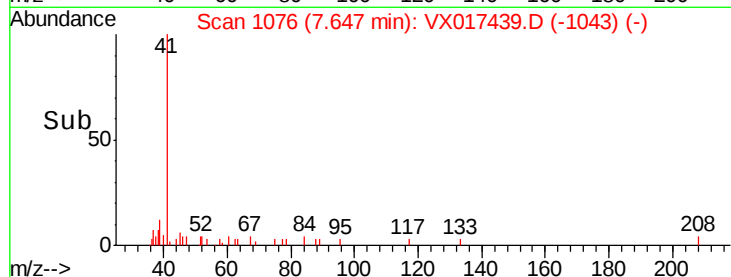
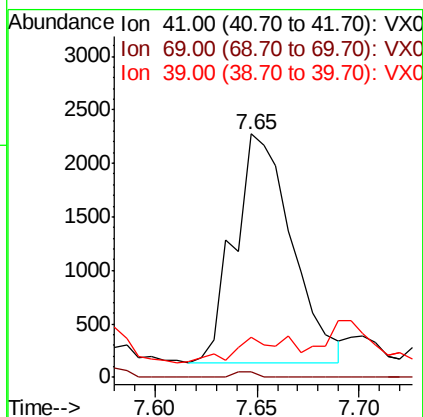
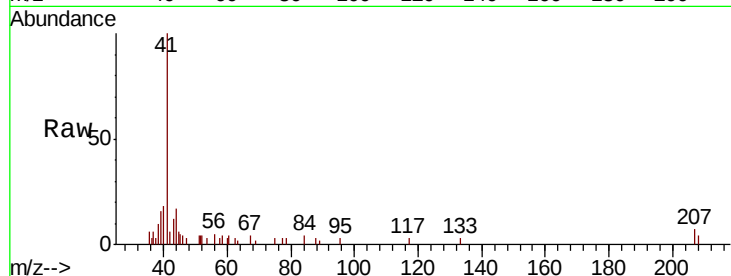




#48
Methyl methacrylate
Concen: 1.341 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

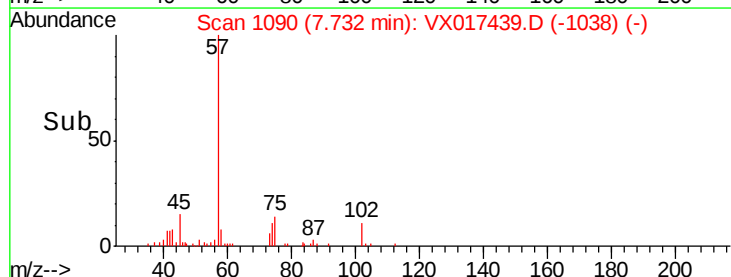
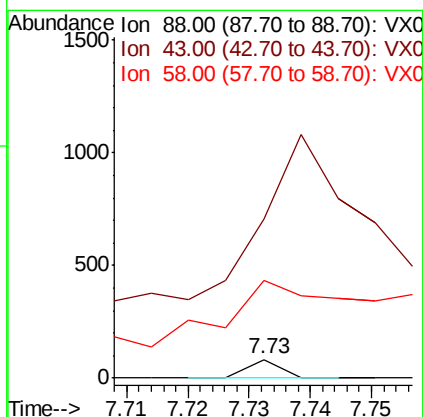
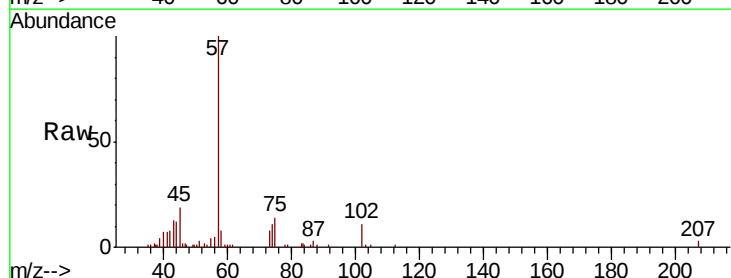
Instrument :
MSVOA_X
ClientSampleId :
PB130292TB

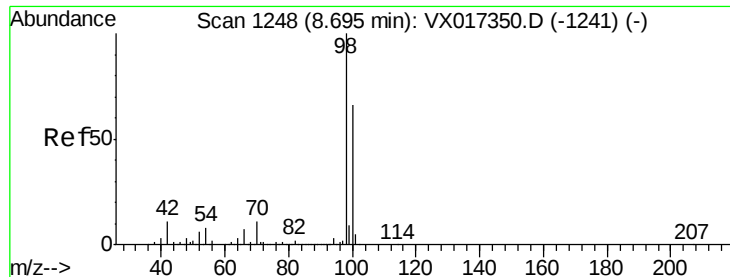
Tot Ion: 41 Resp: 4175
Ion Ratio Lower Upper
41 100
69 0.9 67.8 101.6#
39 0.0 45.1 67.7#



#49
1,4-Dioxane
Concen: 0.471 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 3356.7 53.9 80.9#





#50

Toluene-d8

Concen: 52.155 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

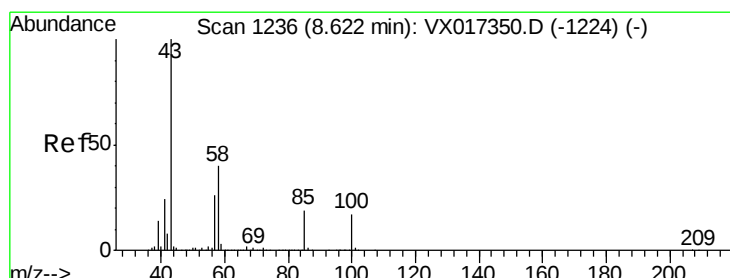
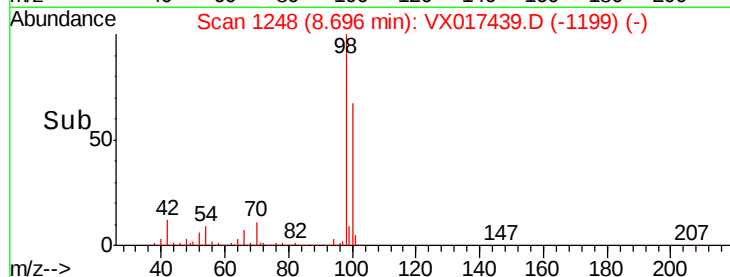
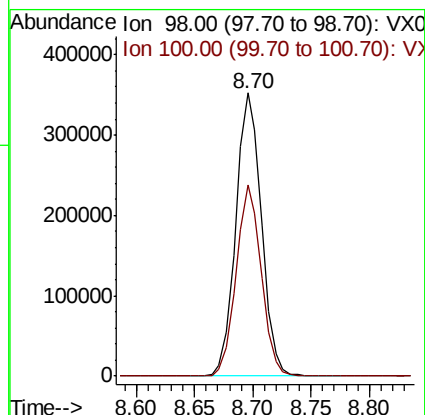
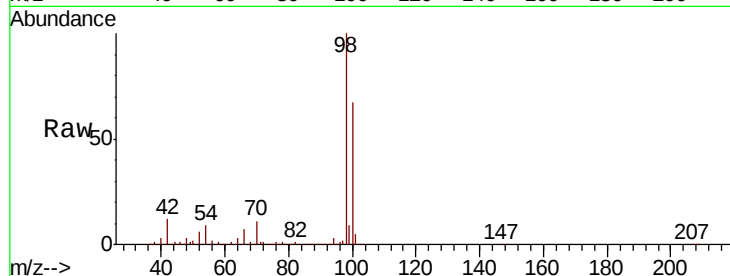
PB130292TB

Tot Ion: 98 Resp: 541094

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 20.913 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017439.D

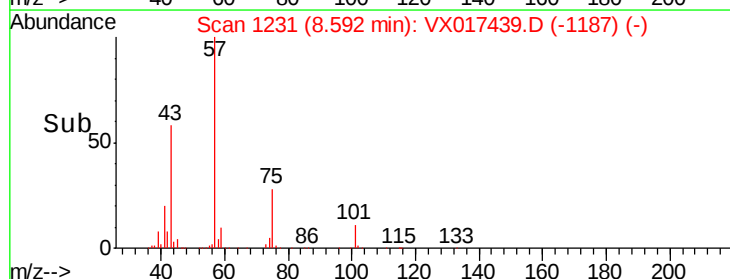
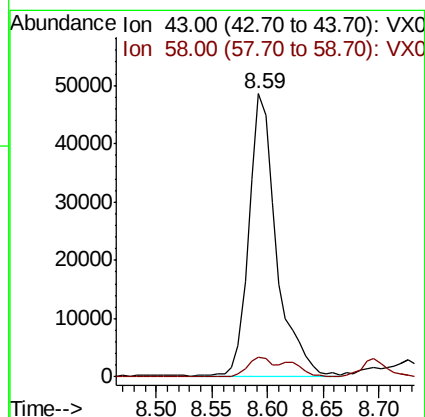
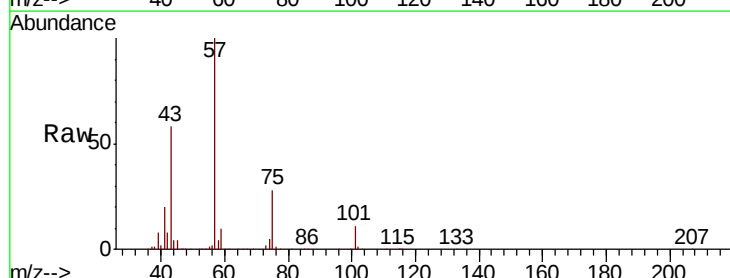
Acq: 20 Jul 2020 17:13

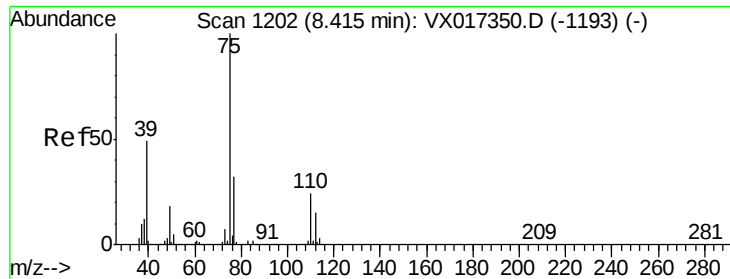
Tgt Ion: 43 Resp: 82758

Ion Ratio Lower Upper

43 100

58 6.9 32.2 48.2#

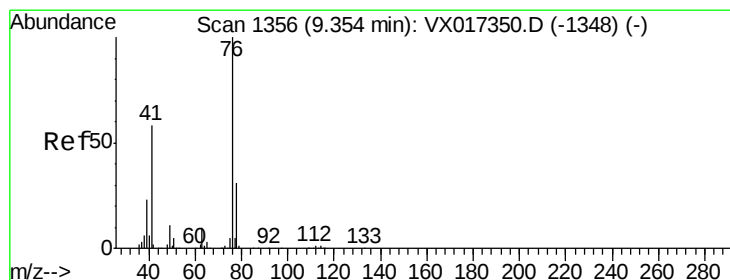
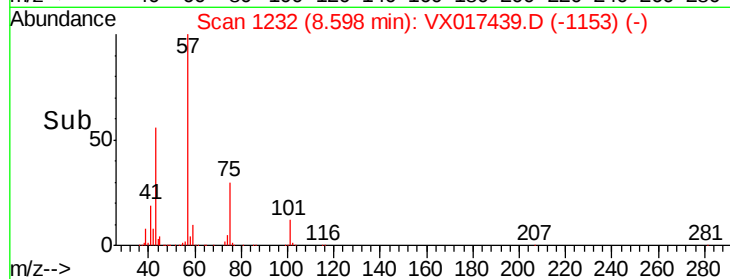
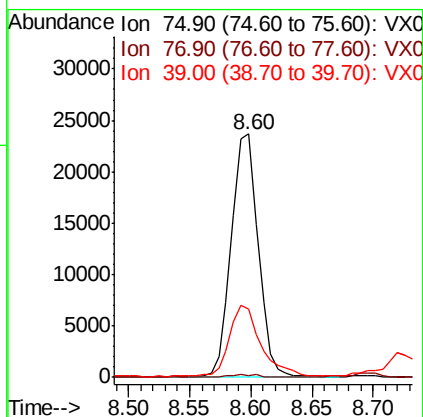
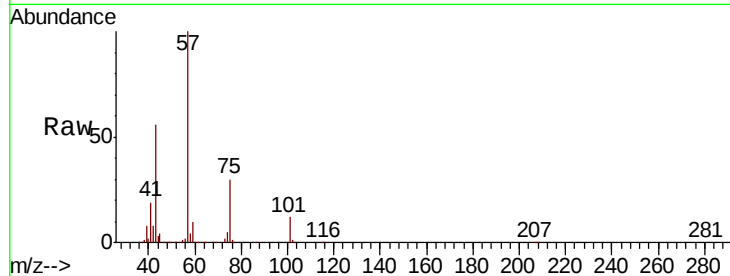




#54
 cis-1,3-Dichloropropene
 Concen: 7.236 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017439.D
 Acq: 20 Jul 2020 17:13

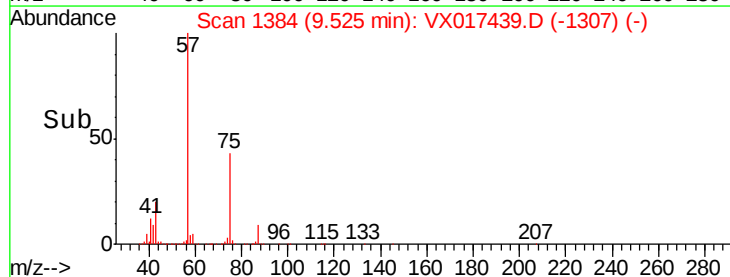
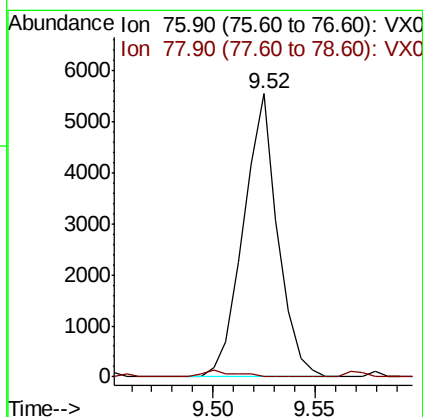
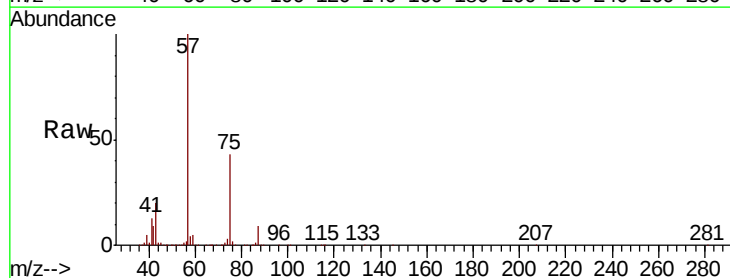
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130292TB

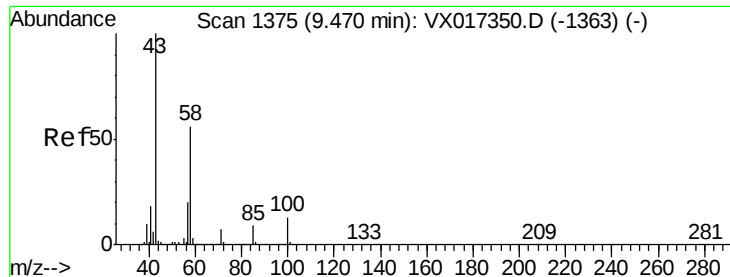
Tot Ion: 75 Resp: 36205
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 27.5 38.9 58.3#



#57
 1,3-Dichloropropane
 Concen: 1.287 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX017439.D
 Acq: 20 Jul 2020 17:13

Tgt Ion: 76 Resp: 6467
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

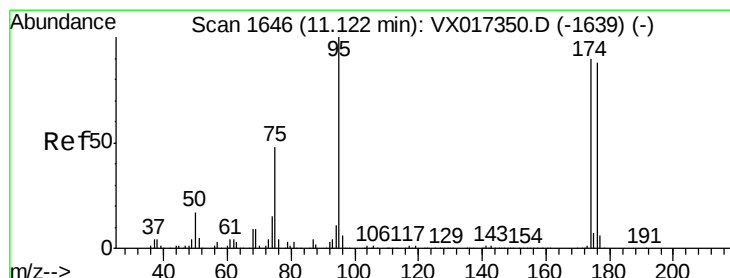
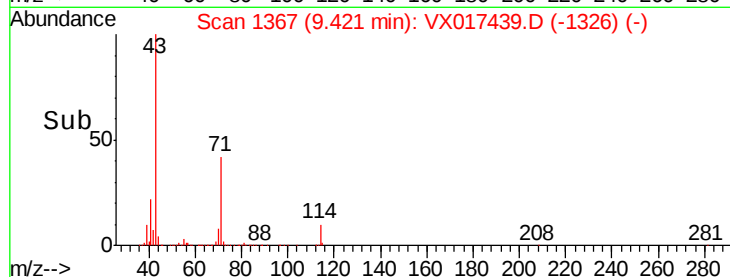
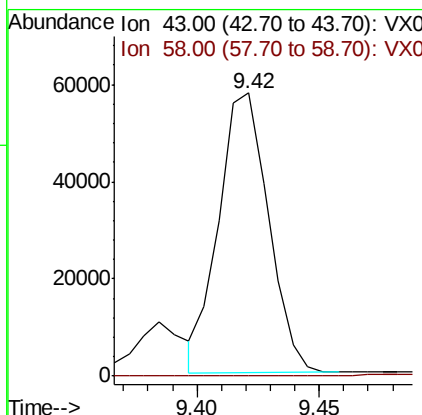
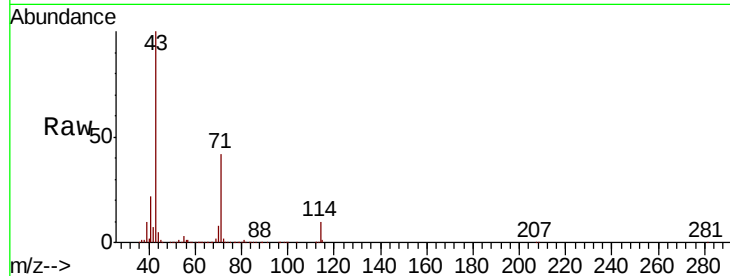




#59
2-Hexanone
Concen: 27.332 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

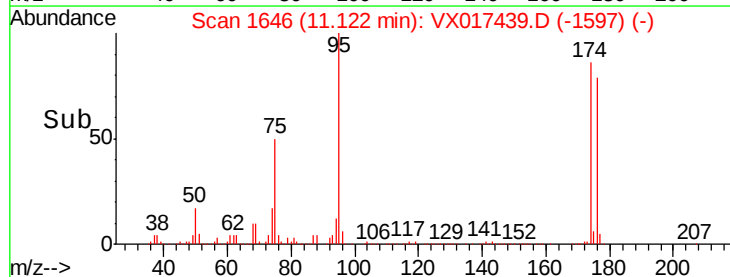
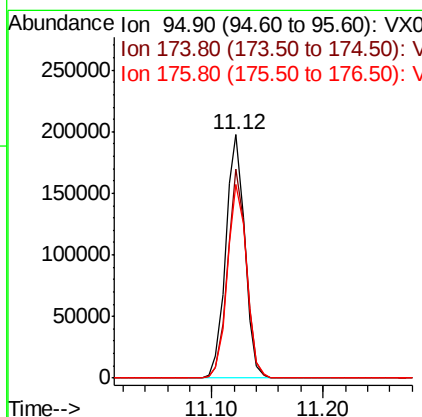
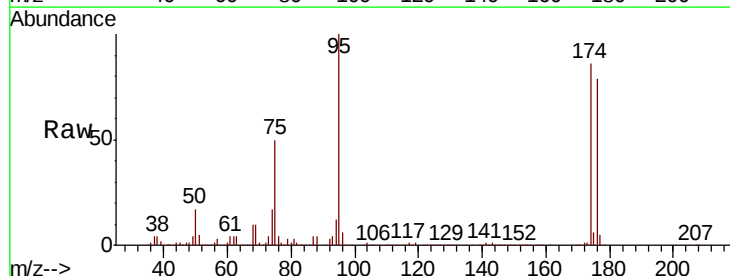
Instrument :
MSVOA_X
ClientSampleId :
PB130292TB

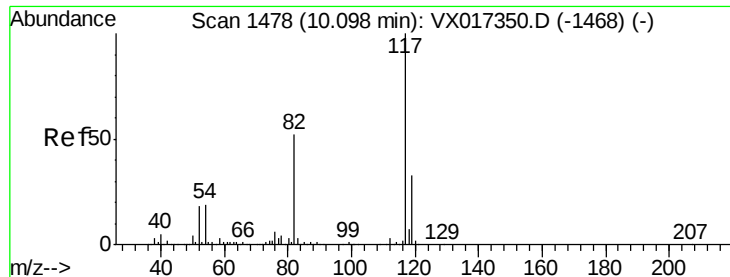
Tot Ion: 43 Resp: 81634
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion: 95 Resp: 233220
Ion Ratio Lower Upper
95 100
174 84.3 0.0 175.8
176 80.6 0.0 164.6

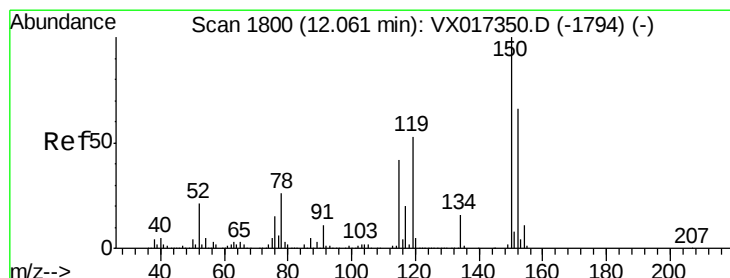
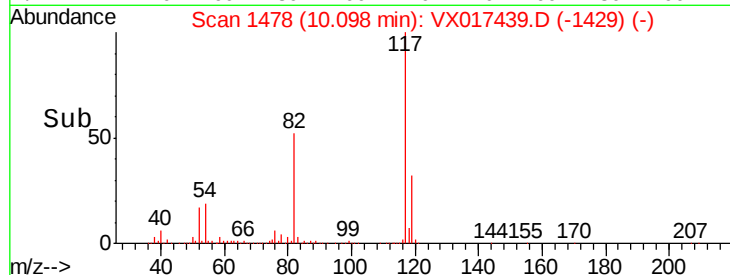
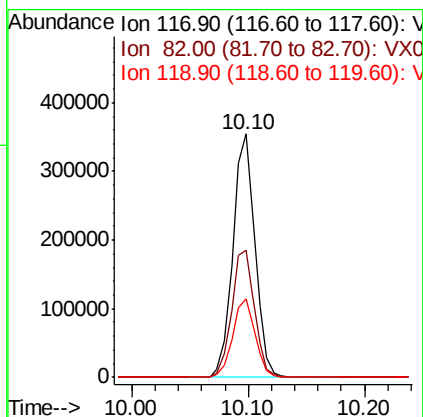
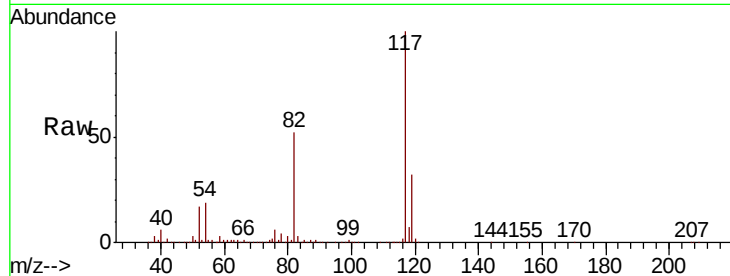




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

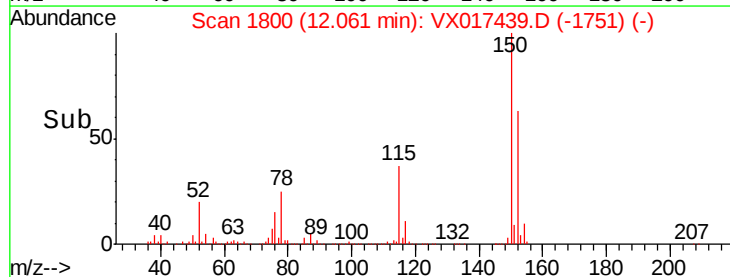
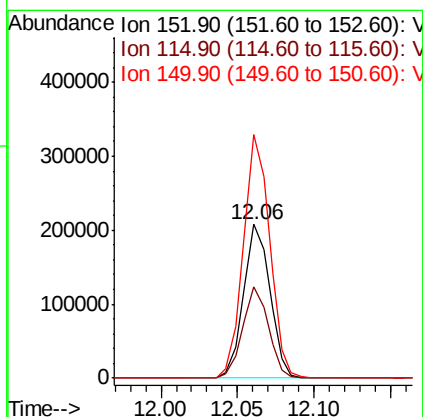
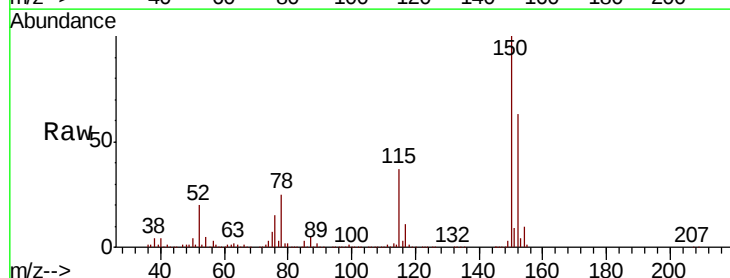
Instrument :
MSVOA_X
ClientSampleId :
PB130292TB

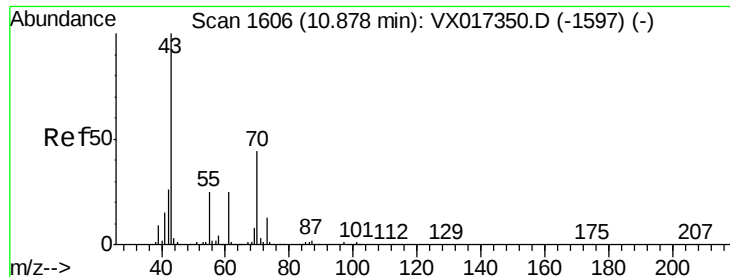
Tot Ion:117 Resp: 470371
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017439.D
Acq: 20 Jul 2020 17:13

Tgt Ion:152 Resp: 249923
Ion Ratio Lower Upper
152 100
115 58.3 39.9 119.7
150 157.5 0.0 343.4





#74

N-amvl acetate

Concen: 0.700 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

PB130292TB

Tot Ion: 43 Resp: 4386

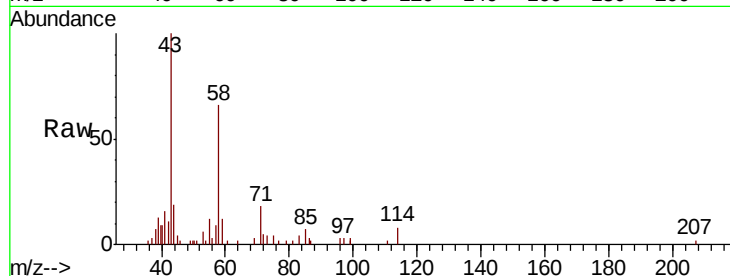
Ion Ratio Lower Upper

43 100

70 1.5 35.7 53.5#

55 17.9 20.3 30.5#

61 0.0 20.0 30.0#

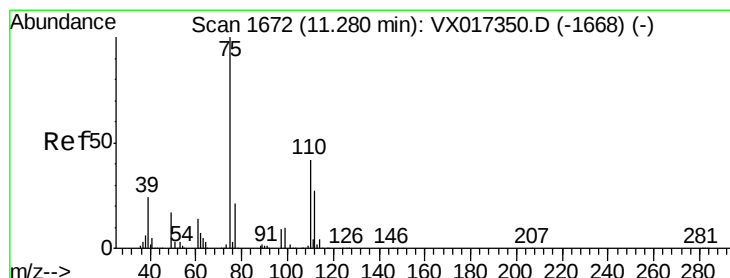
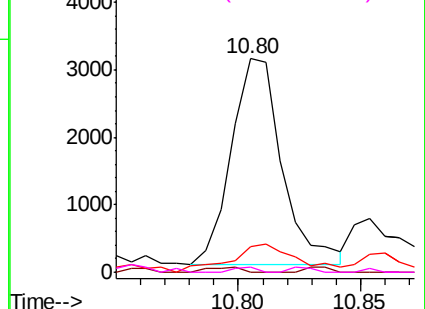
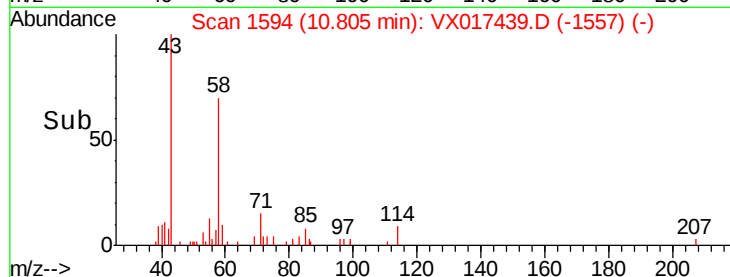


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.423 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017439.D

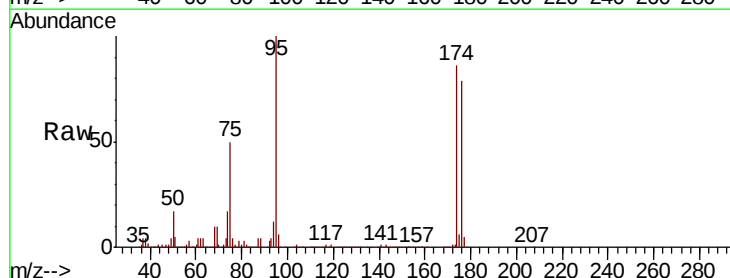
Acq: 20 Jul 2020 17:13

Tgt Ion: 75 Resp: 117406

Ion Ratio Lower Upper

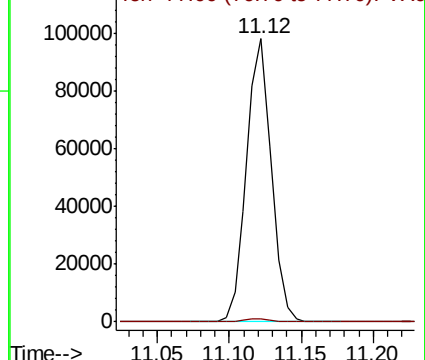
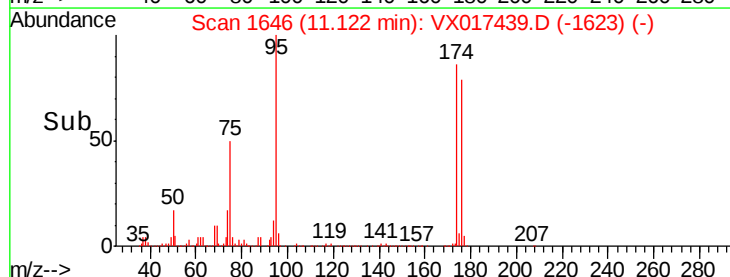
75 100

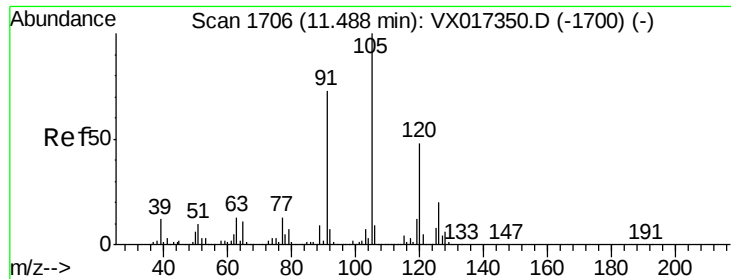
77 1.4 20.3 60.9#



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: 0.445 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

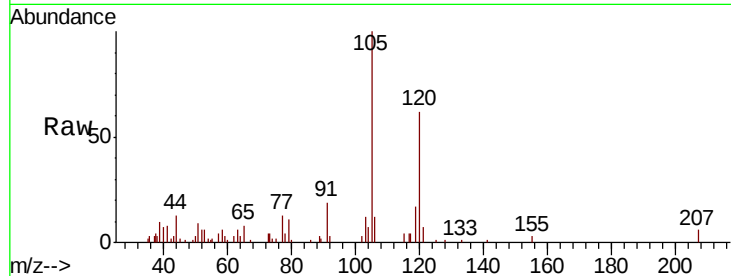
PB130292TB

Tot Ion:105 Resp: 5917

Ion Ratio Lower Upper

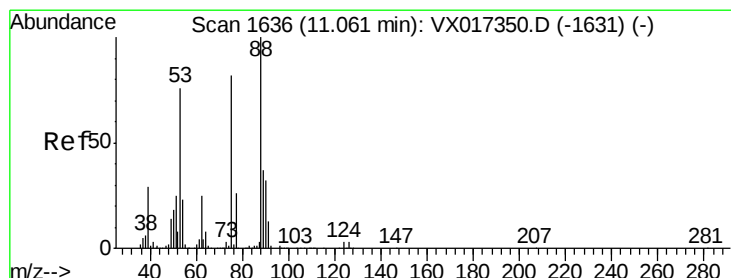
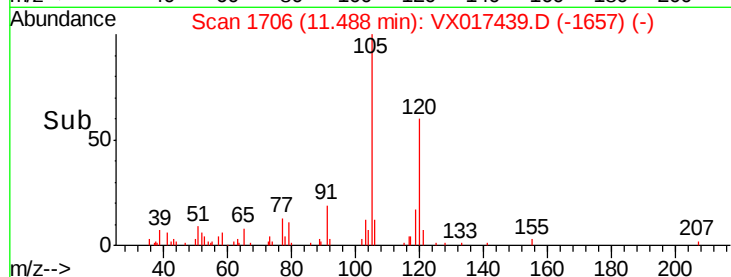
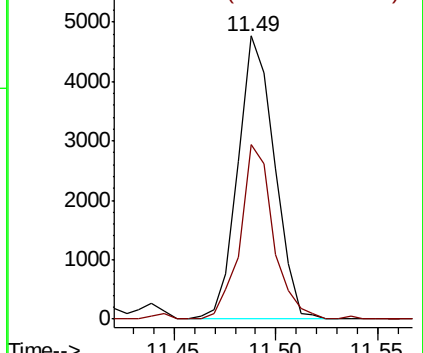
105 100

120 55.8 24.8 74.4



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: 64.492 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

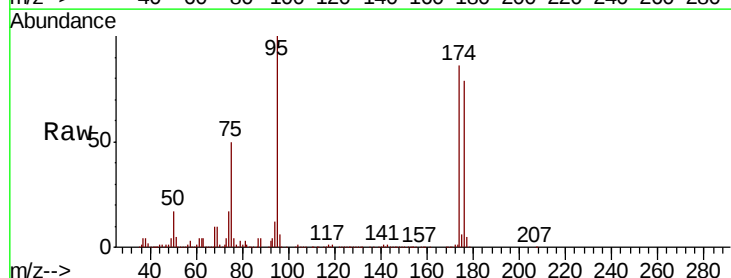
Tgt Ion: 75 Resp: 117406

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

