

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004158.D
 Acq On : 20 Aug 2018 17:35
 Operator : JC/MD
 Sample : PB112183ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112183ZHE#05

Quant Time: Aug 21 01:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	447921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200365	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	5.50	113	170955	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.71	98	650734	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.14	95	224657	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	3400	1.02	ug/l	100
5) Bromomethane	1.64	94	1607	0.71	ug/l	88
6) Chloroethane	1.69	64	195	Below Cal	#	42
8) Diethyl Ether	2.19	74	488	0.22	ug/l	89
10) Methyl Iodide	2.51	142	2795	5.76	ug/l	95
11) Tert butyl alcohol	3.03	59	5071	6.44	ug/l	# 75
12) 1,1-Dichloroethene	2.37	96	605	0.21	ug/l	# 80
13) Acrolein	2.30	56	473	11.80	ug/l	# 59
15) Acrylonitrile	3.15	53	1115	0.57	ug/l	# 63
16) Acetone	2.45	43	15099	7.42	ug/l	95
17) Carbon Disulfide	2.57	76	3945	0.48	ug/l	95
18) Methyl Acetate	2.78	43	6573	1.45	ug/l	93
20) Methylene Chloride	2.86	84	15948	4.24	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	1017	0.31	ug/l	# 81
23) Vinyl Acetate	3.82	43	2563	0.29	ug/l	98
25) 2-Butanone	4.71	43	3889	1.17	ug/l	94
29) Tetrahydrofuran	5.17	42	1321	0.78	ug/l	# 87
36) 1,1-Dichloropropene	5.81	75	1331	0.26	ug/l	# 88
38) Carbon Tetrachloride	5.67	117	24474	4.92	ug/l	# 16
43) Isopropyl Acetate	6.46	43	177702	21.61	ug/l	99
44) Trichloroethene	7.21	130	936	0.22	ug/l	95
48) Methyl methacrylate	7.69	41	7934	1.92	ug/l	# 22
49) 1,4-Dioxane	7.76	88	105	1.13	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.65	43	2545	0.38	ug/l	# 79
59) 2-Hexanone	9.50	43	1040	0.20	ug/l	83
64) Tetrachloroethene	9.34	164	895	0.21	ug/l	90
68) m/p-Xylenes	10.36	106	2079	0.29	ug/l	97
74) N-amyl acetate	6.46	43	177702	23.04	ug/l	# 99
76) 1,2,3-Trichloropropane	11.14	75	107935	22.21	ug/l	# 36
80) 1,3,5-Trimethylbenzene	11.51	105	4192	0.31	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	107935	68.75	ug/l	# 9
82) 4-Chlorotoluene	11.51	91	3002	0.23	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	2235	0.26	ug/l	99
88) 1,4-Dichlorobenzene	12.03	146	2235	0.25	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

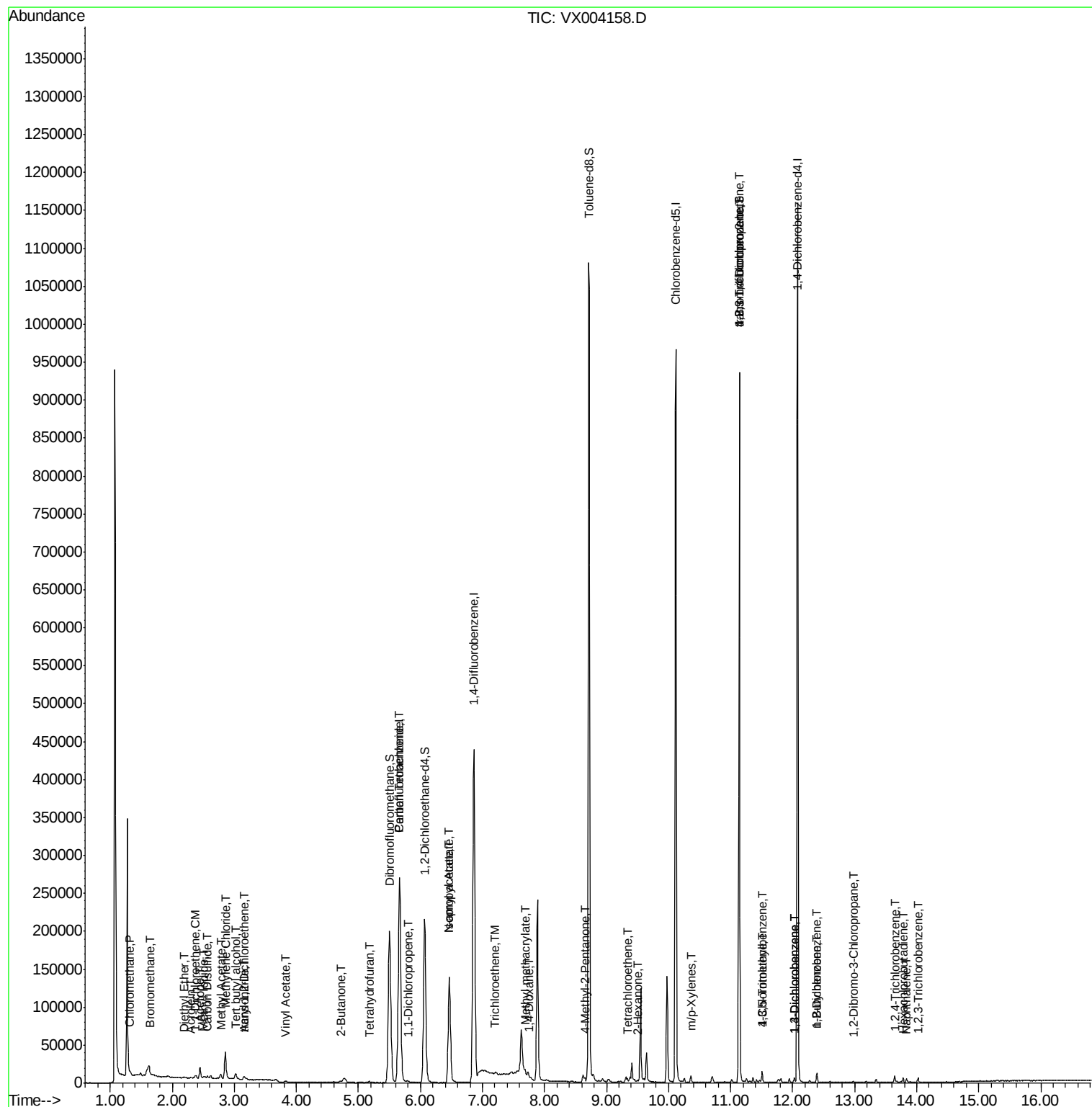
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.39	91	2611	0.23	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	1715	0.22	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	217	0.22	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.65	180	1969	0.37	ug/l	95
94) Hexachlorobutadiene	13.78	225	970	0.36	ug/l	99
95) Naphthalene	13.83	128	2742	1.30	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	1531	0.26	ug/l	97

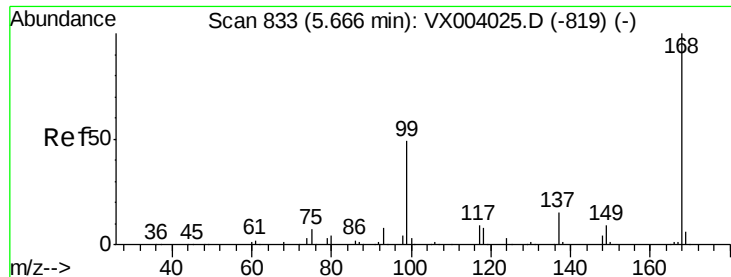
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

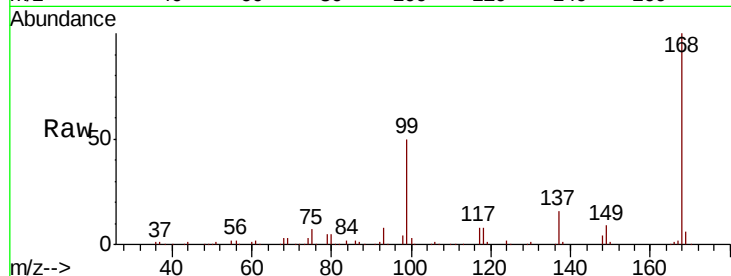
PB112183ZHE#05

Tot Ion:168 Resp: 277713

Ion Ratio Lower Upper

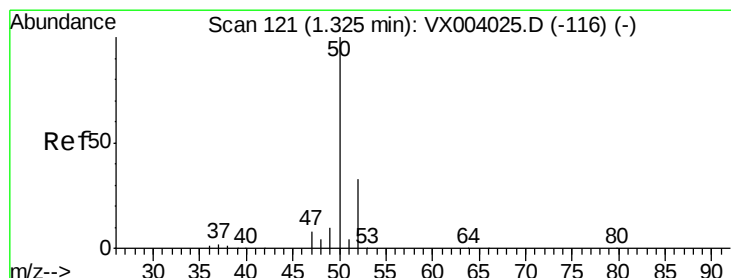
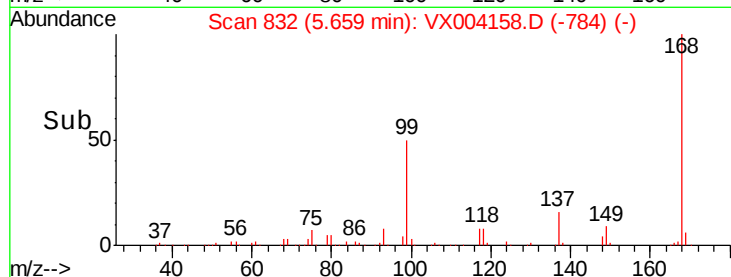
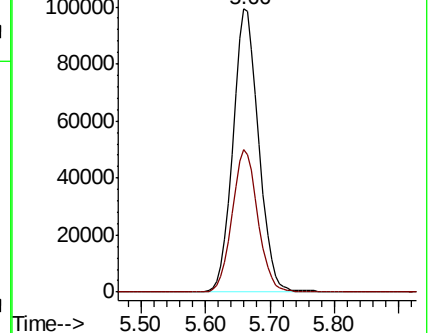
168 100

99 50.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004158.D

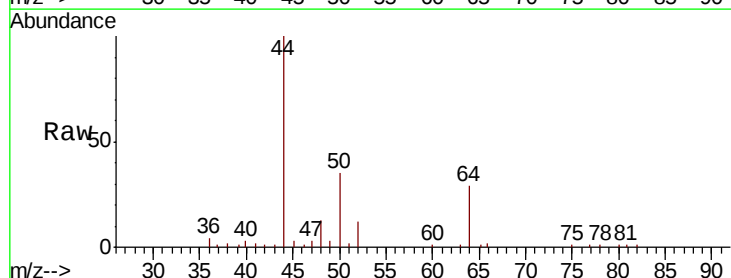
Acq: 20 Aug 2018 17:35

Tgt Ion: 50 Resp: 3400

Ion Ratio Lower Upper

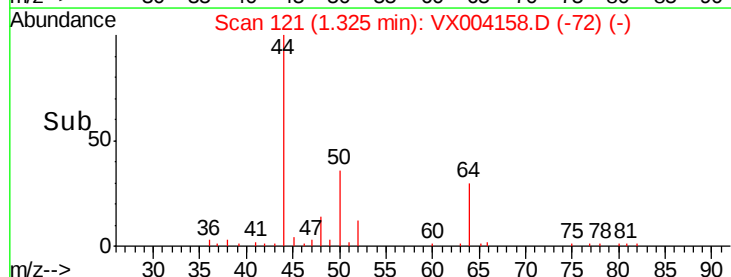
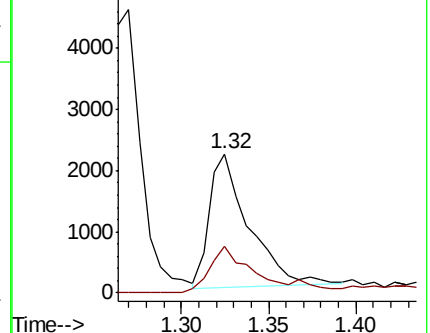
50 100

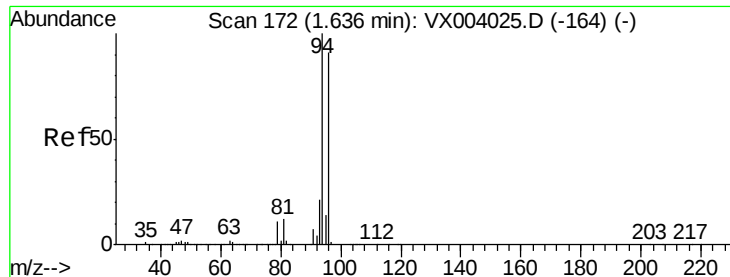
52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.71 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

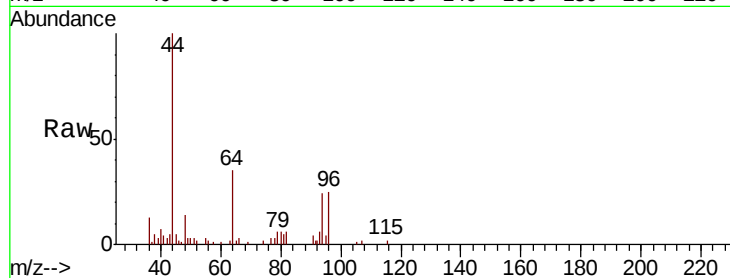
PB112183ZHE#05

Tot Ion: 94 Resp: 1607

Ion Ratio Lower Upper

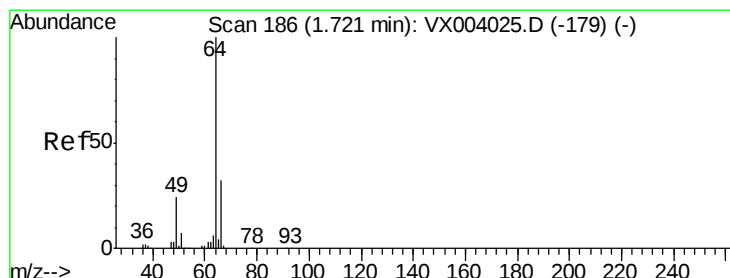
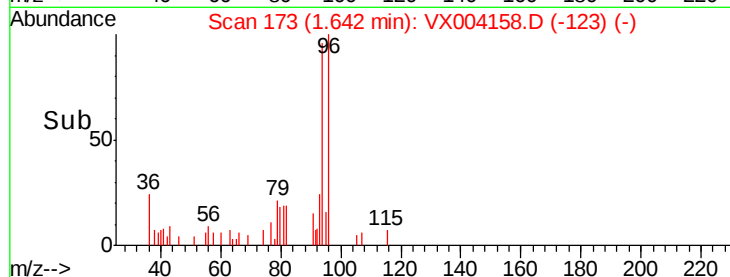
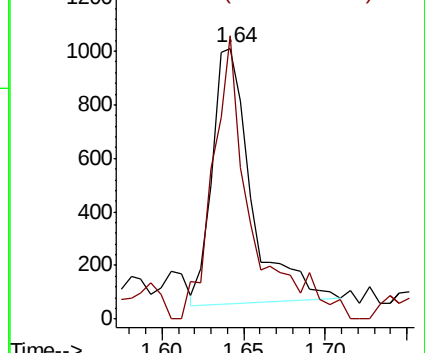
94 100

96 105.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX004158.D

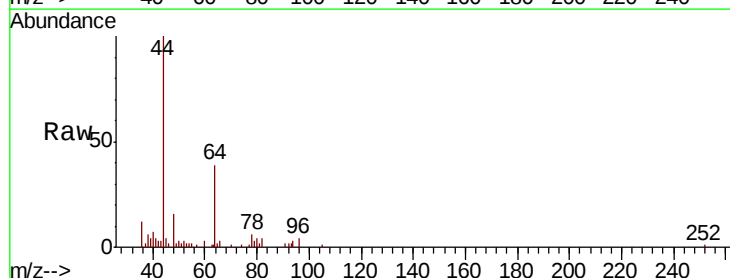
Acq: 20 Aug 2018 17:35

Tgt Ion: 64 Resp: 195

Ion Ratio Lower Upper

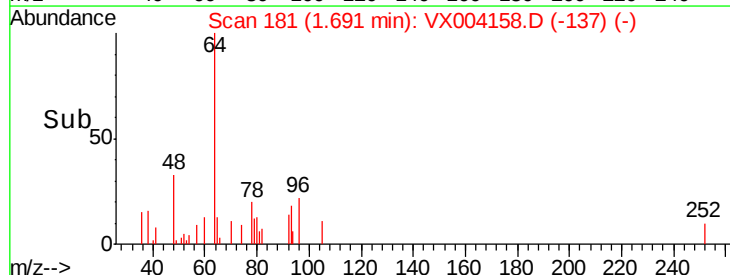
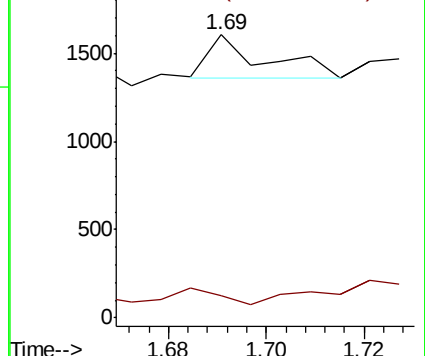
64 100

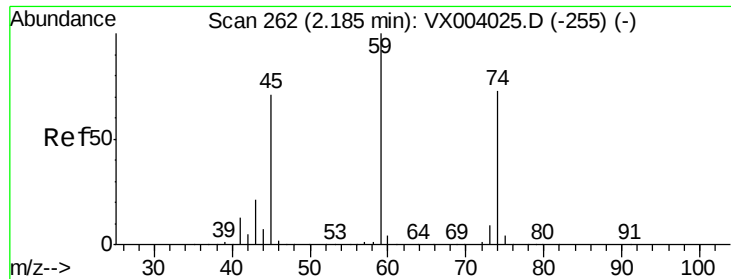
66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

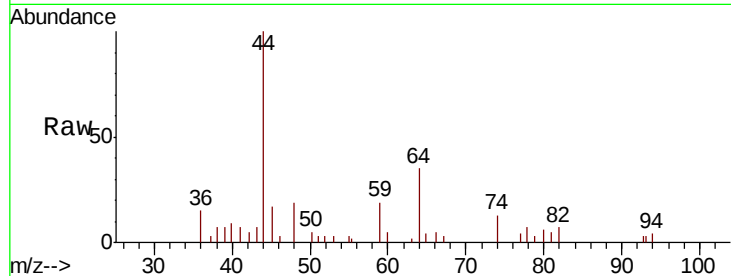
PB112183ZHE#05

Tot Ion: 74 Resp: 488

Ion Ratio Lower Upper

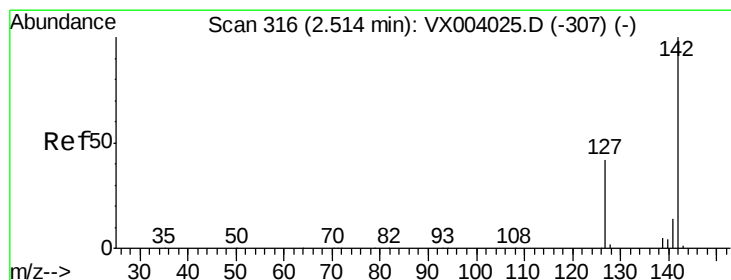
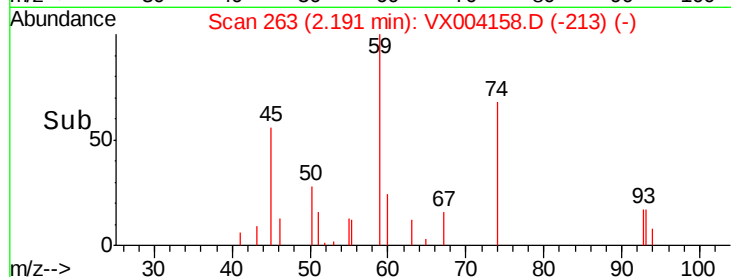
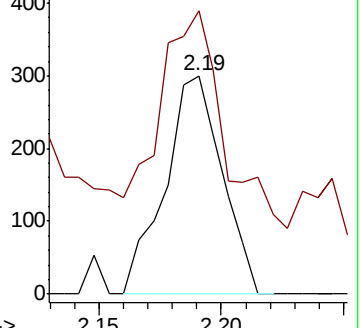
74 100

45 107.8 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.76 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

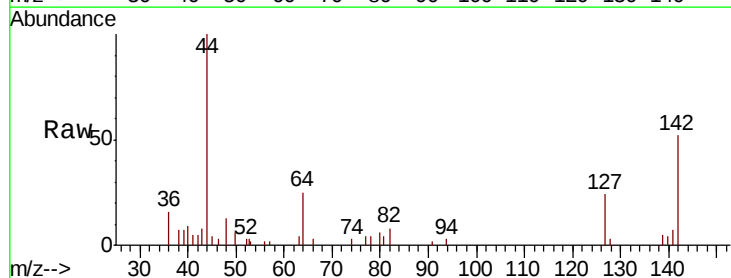
Tgt Ion: 142 Resp: 2795

Ion Ratio Lower Upper

142 100

127 45.3 33.1 49.7

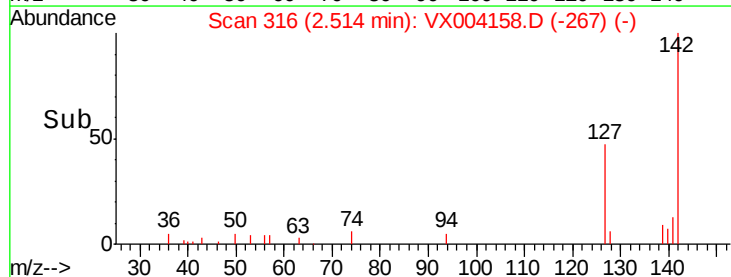
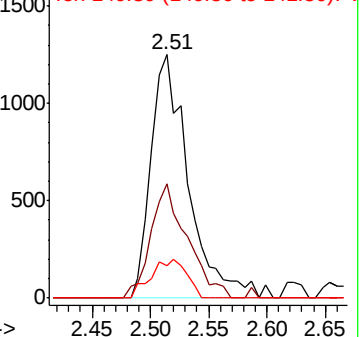
141 15.0 11.1 16.7

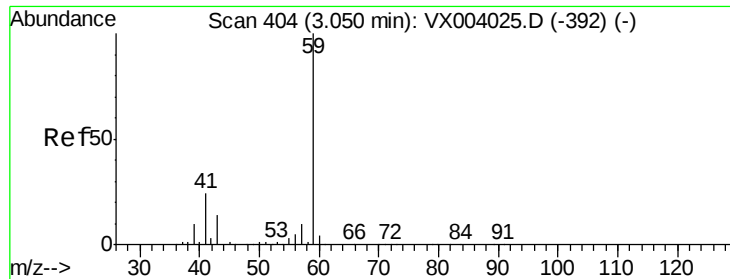


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

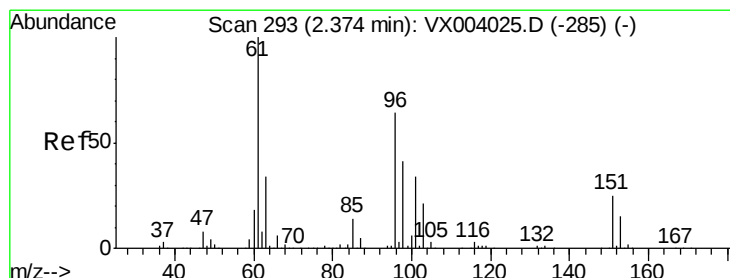
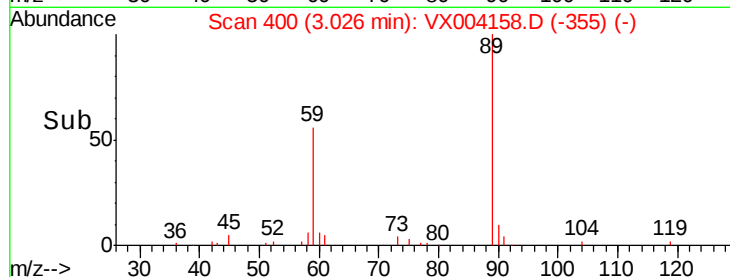
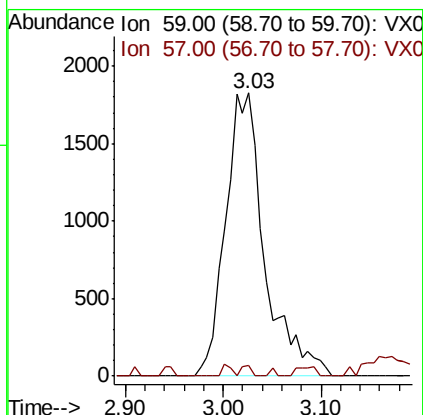
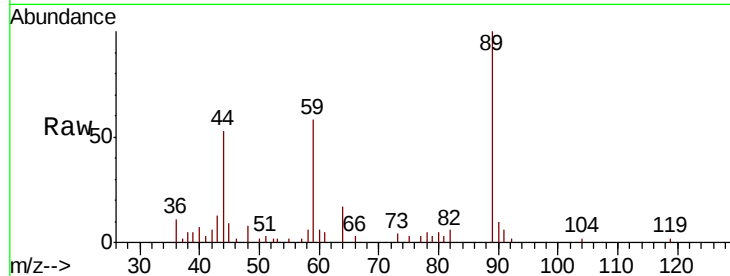




#11
Tert butyl alcohol
Concen: 6.44 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.02 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

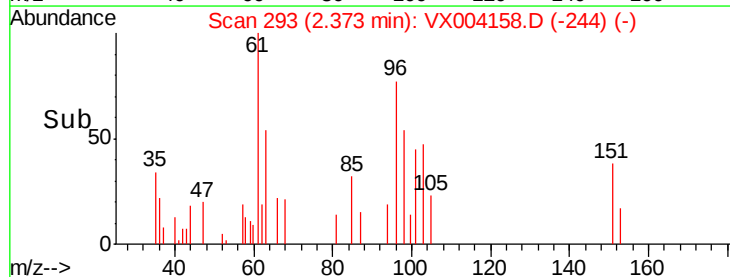
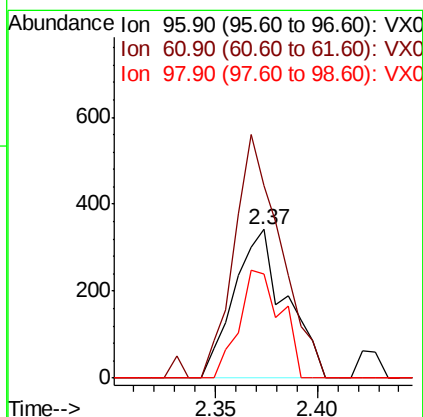
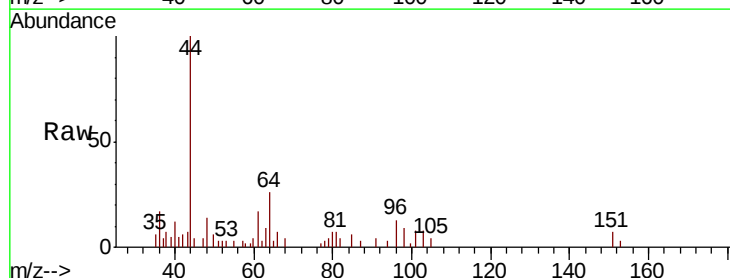
Instrument :
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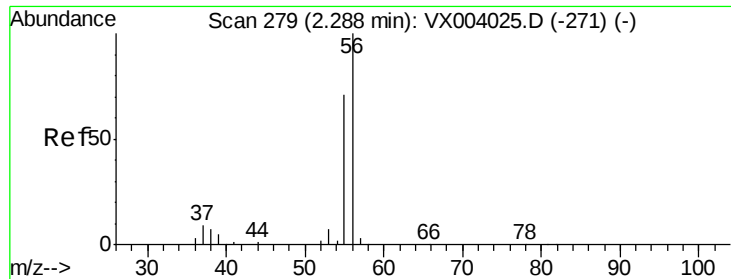
Tot Ion: 59 Resp: 5071
Ion Ratio Lower Upper
59 100
57 0.9 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.21 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

Tgt Ion: 96 Resp: 605
Ion Ratio Lower Upper
96 100
61 129.9 131.3 196.9#
98 70.4 51.8 77.6

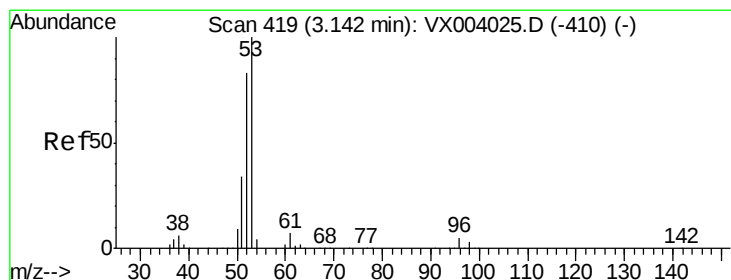
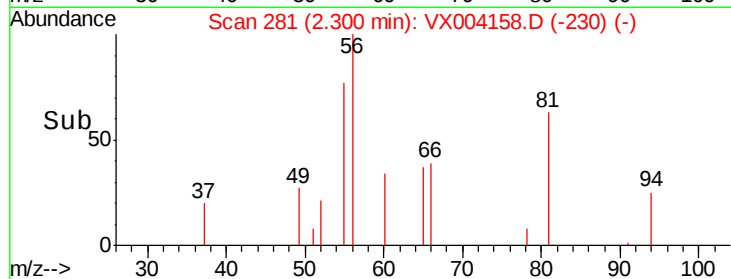
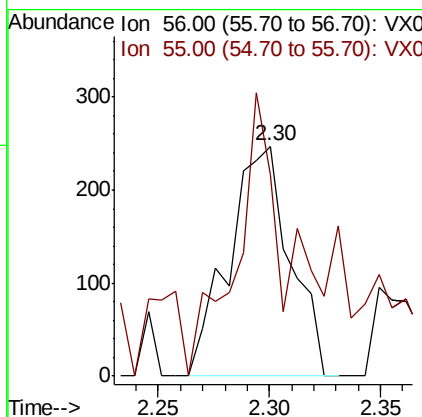
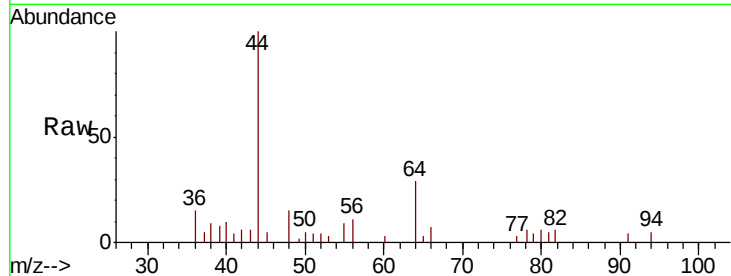




#13
 Acrolein
 Concen: 11.80 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

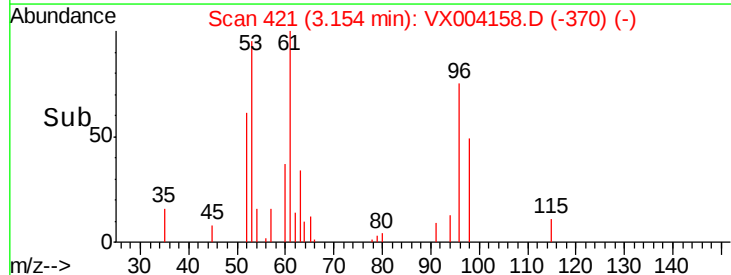
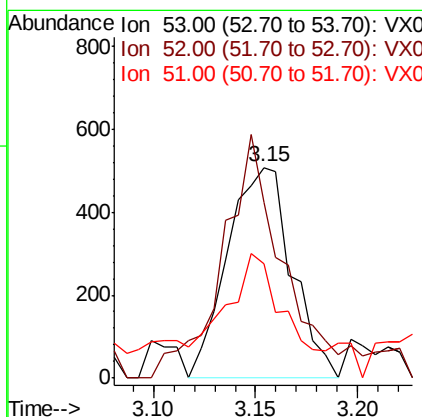
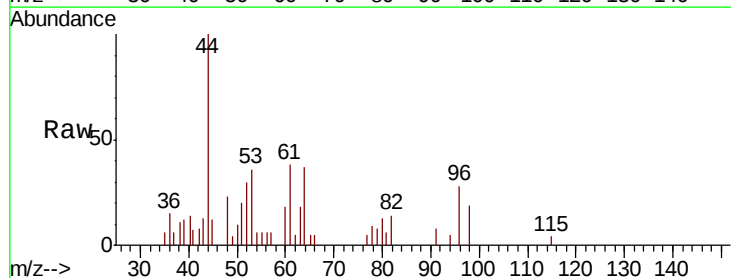
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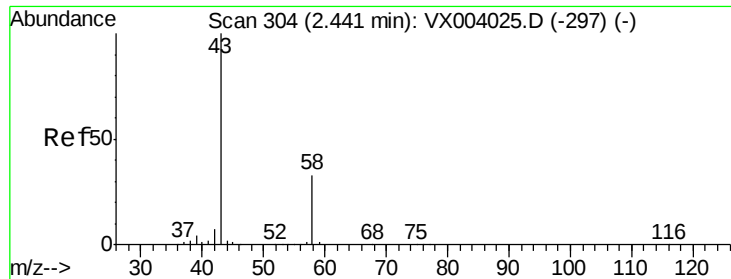
Tot Ion: 56 Resp: 473
 Ion Ratio Lower Upper
 56 100
 55 103.8 56.1 84.1#



#15
 Acrylonitrile
 Concen: 0.57 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Tgt Ion: 53 Resp: 1115
 Ion Ratio Lower Upper
 53 100
 52 110.7 65.3 97.9#
 51 62.4 27.9 41.9#





#16

Acetone

Concen: 7.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

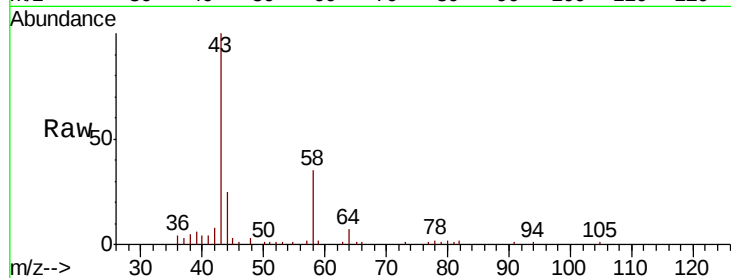
PB112183ZHE#05

Tot Ion: 43 Resp: 15099

Ion Ratio Lower Upper

43 100

58 35.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

6000

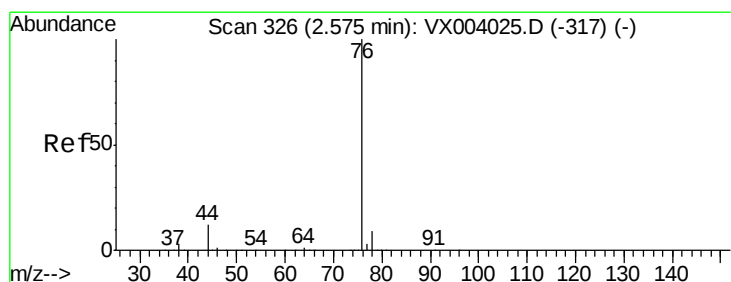
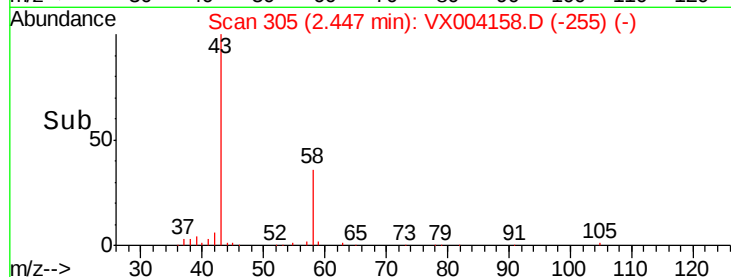
4000

2000

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.48 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004158.D

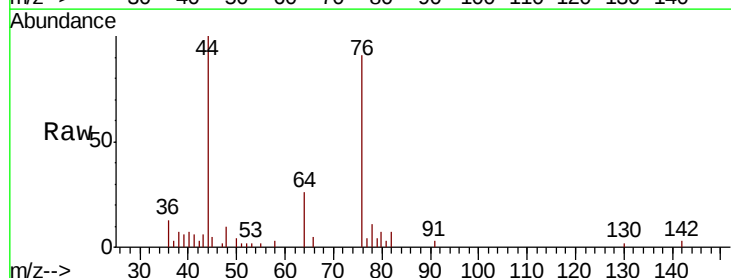
Acq: 20 Aug 2018 17:35

Tgt Ion: 76 Resp: 3945

Ion Ratio Lower Upper

76 100

78 7.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

3000

2500

2000

1500

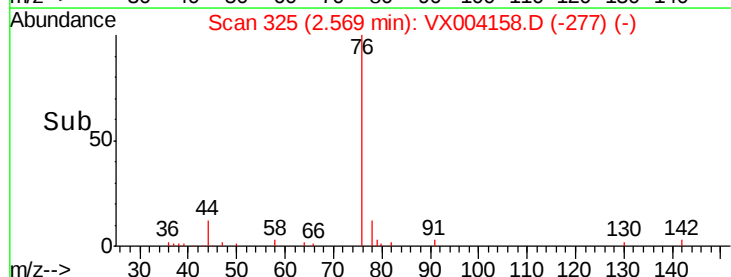
1000

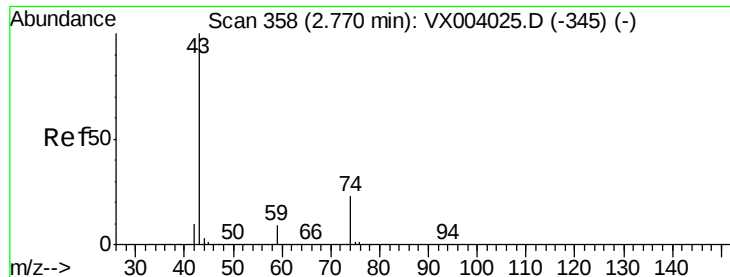
500

0

2.50 2.55 2.60 2.65

Time-->

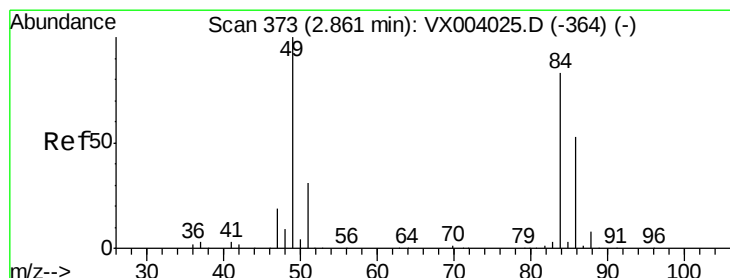
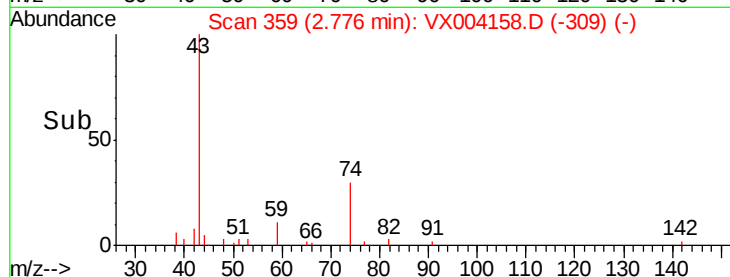
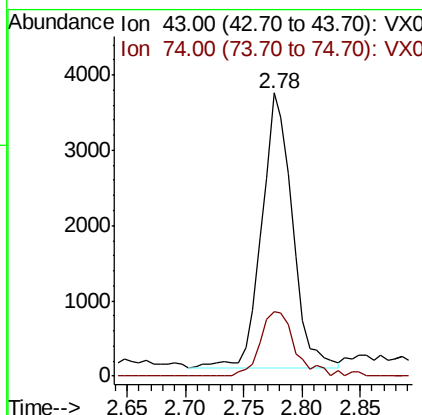
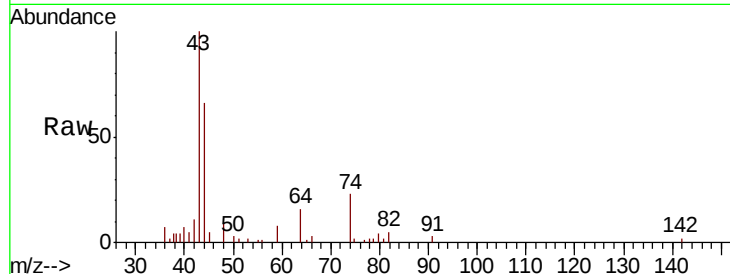




#18
Methyl Acetate
Concen: 1.45 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

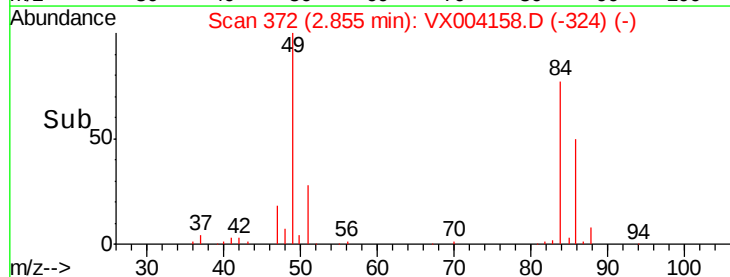
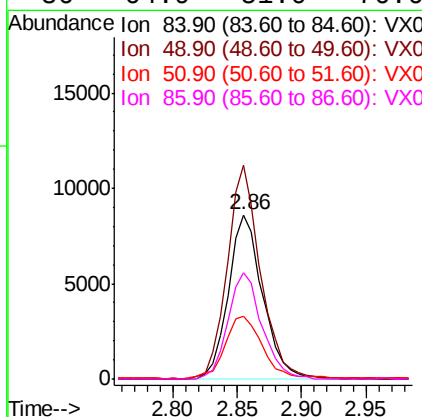
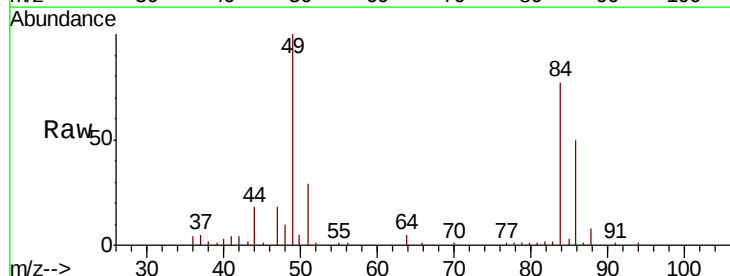
Instrument :
MSVOA_X
ClientSampleId :
PB112183ZHE#05

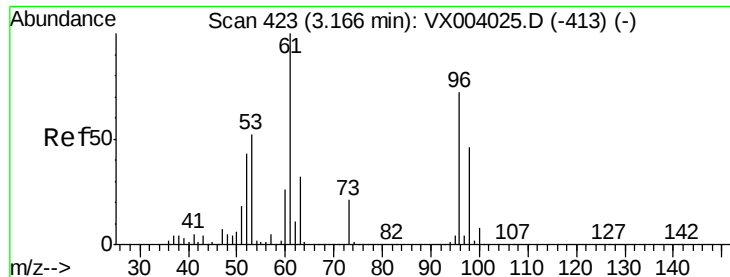
Tot Ion: 43 Resp: 6573
Ion Ratio Lower Upper
43 100
74 26.8 18.9 28.3



#20
Methylene Chloride
Concen: 4.24 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

Tgt Ion: 84 Resp: 15948
Ion Ratio Lower Upper
84 100
49 130.3 98.9 148.3
51 37.3 29.9 44.9
86 64.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.31 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

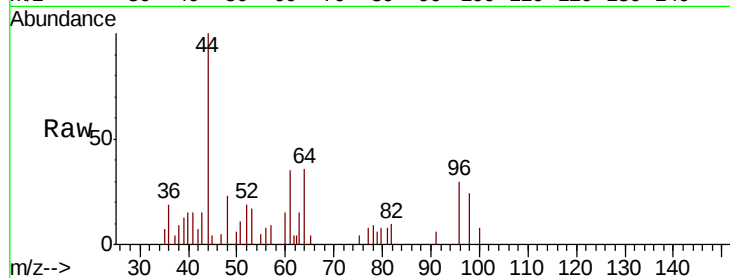
Tot Ion: 96 Resp: 1017

Ion Ratio Lower Upper

96 100

61 116.1 111.8 167.6

98 79.0 51.8 77.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

800

600

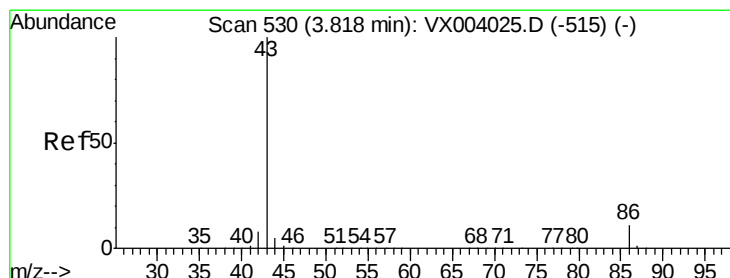
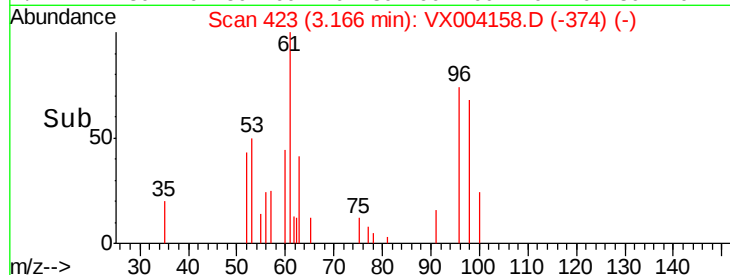
400

200

0

3.10 3.15 3.20

Time-->



#23

Vinyl Acetate

Concen: 0.29 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004158.D

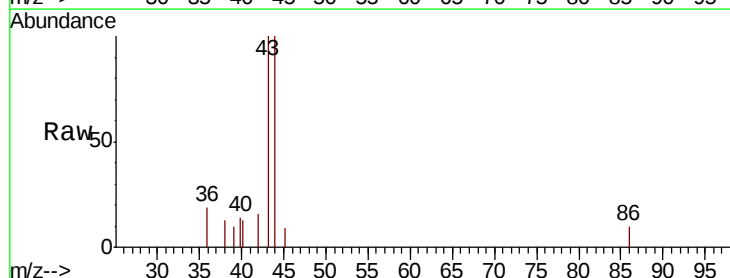
Acq: 20 Aug 2018 17:35

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

86 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800

600

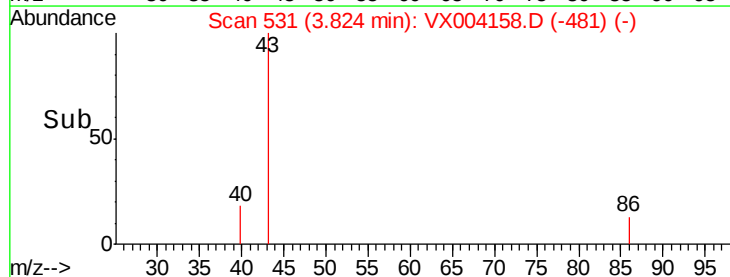
400

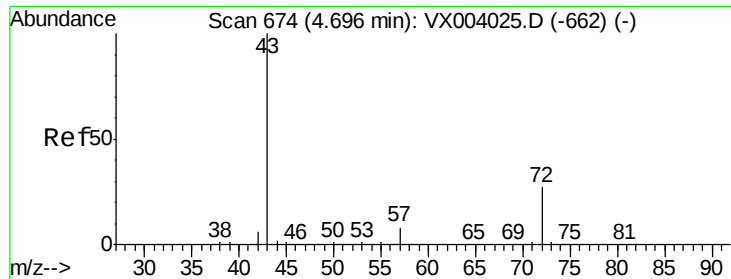
200

0

3.80 3.90

Time-->





#25

2-Butanone

Concen: 1.17 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.02 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

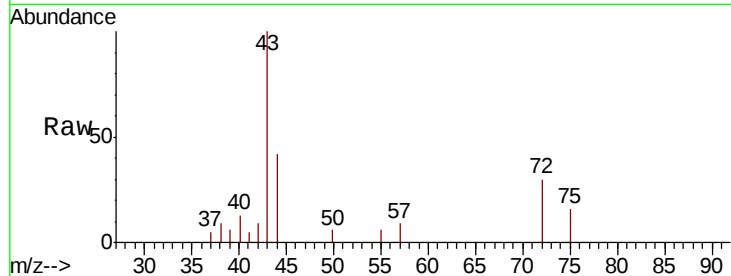
PB112183ZHE#05

Tot Ion: 43 Resp: 3889

Ion Ratio Lower Upper

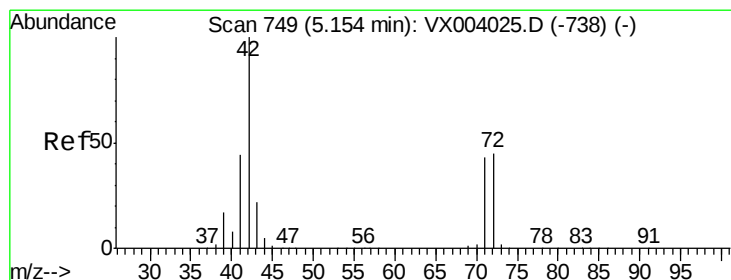
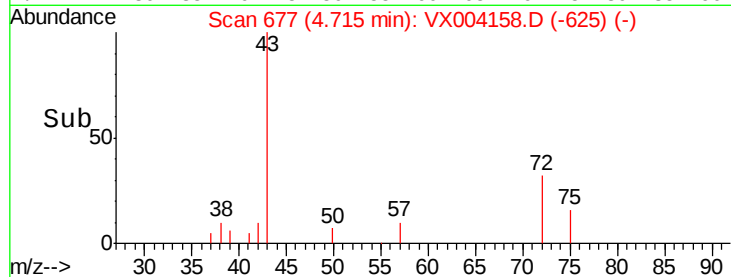
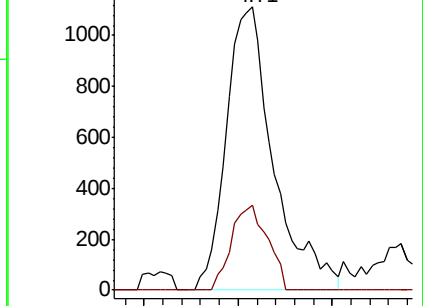
43 100

72 29.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.78 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.02 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

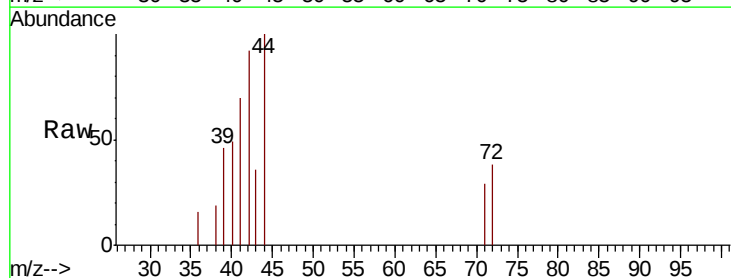
Tgt Ion: 42 Resp: 1321

Ion Ratio Lower Upper

42 100

72 40.1 37.7 56.5

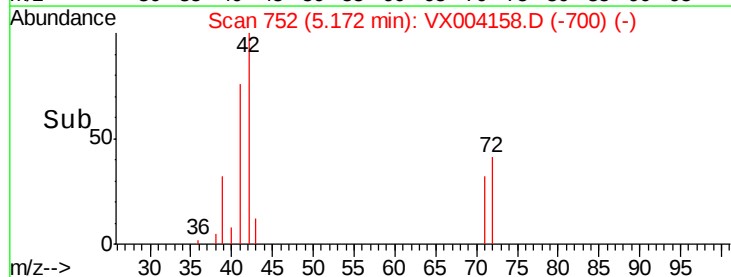
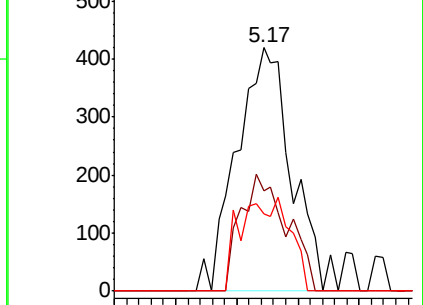
71 34.0 35.0 52.6#

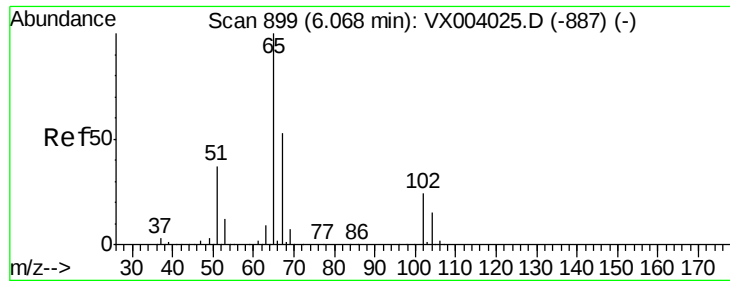


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.21 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

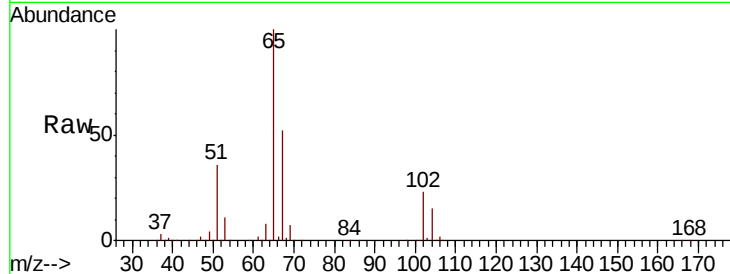
PB112183ZHE#05

Tot Ion: 65 Resp: 200365

Ion Ratio Lower Upper

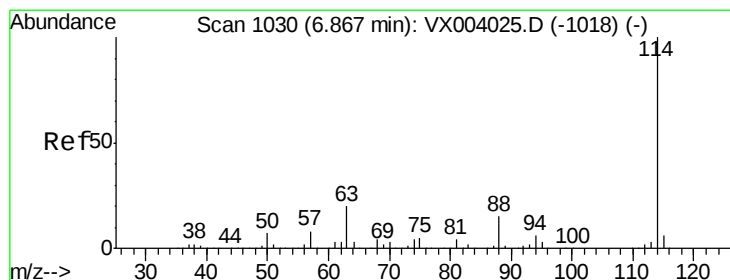
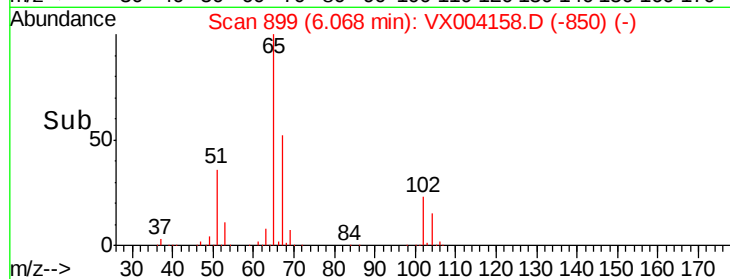
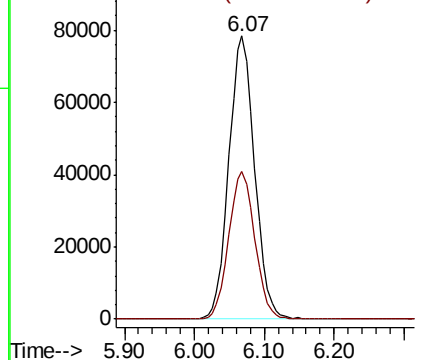
65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

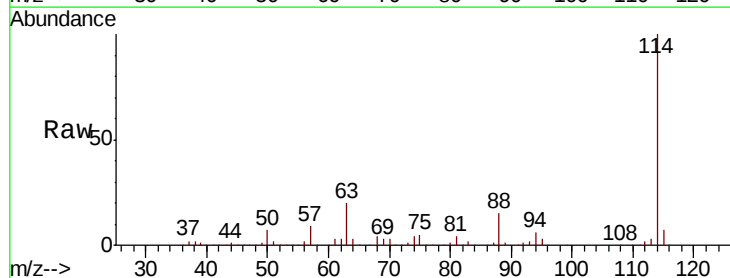
Tgt Ion: 114 Resp: 450103

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

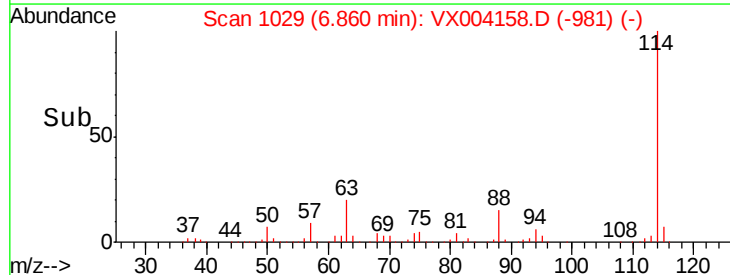
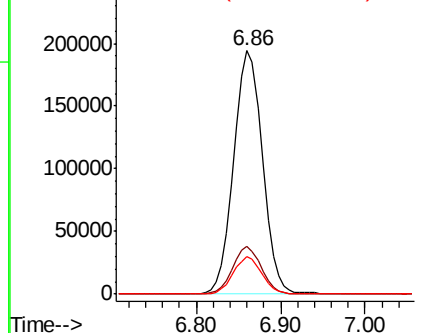
88 15.5 0.0 32.0

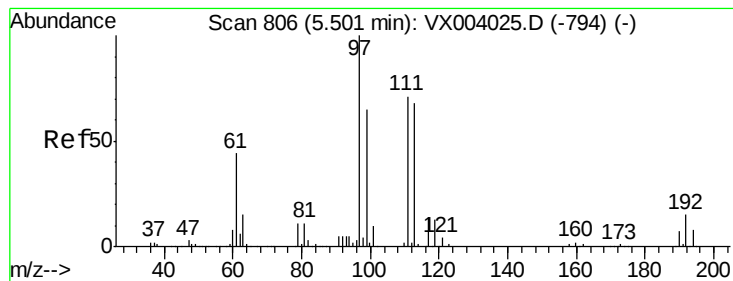


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.75 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

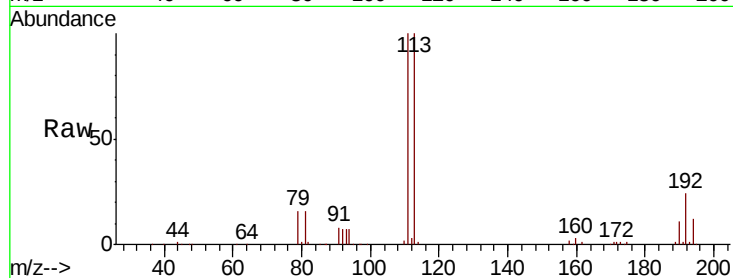
Tot Ion:113 Resp: 170955

Ion Ratio Lower Upper

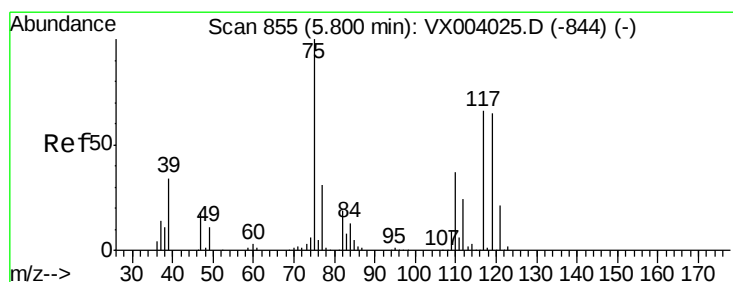
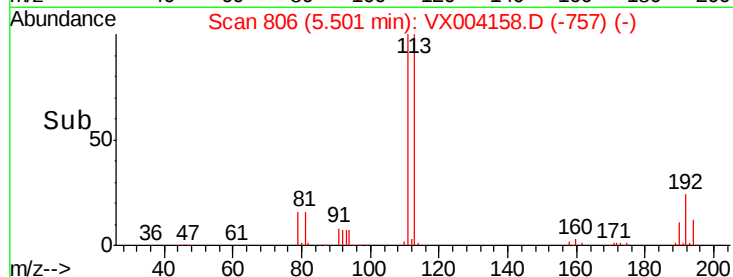
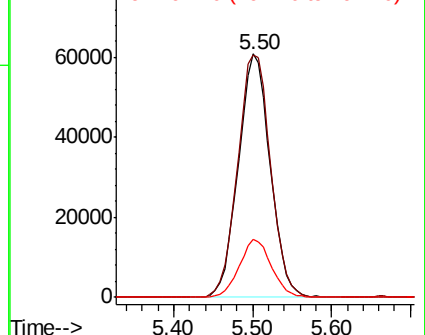
113 100

111 103.0 82.0 123.0

192 23.9 19.0 28.4



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: 0.26 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

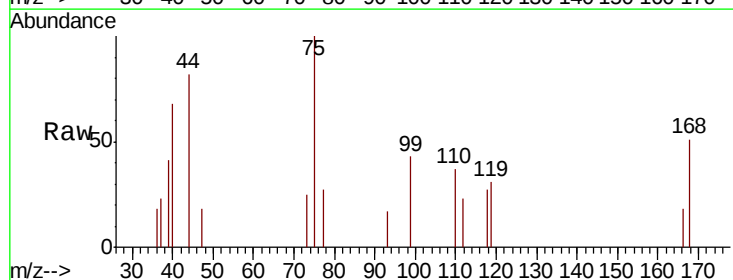
Tgt Ion: 75 Resp: 1331

Ion Ratio Lower Upper

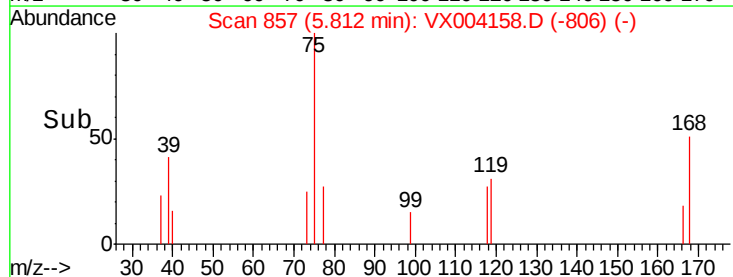
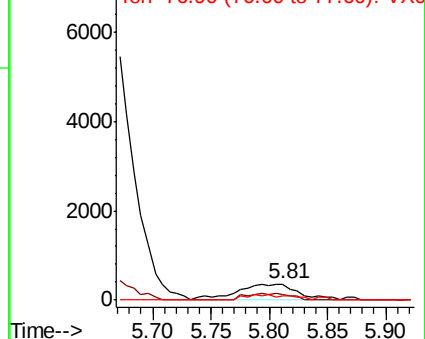
75 100

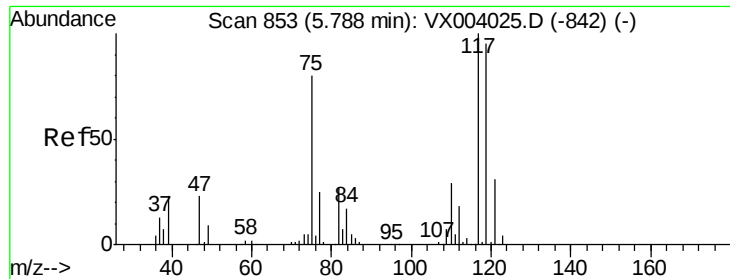
110 29.9 18.2 54.6

77 24.0 25.0 37.4#



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: 4.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

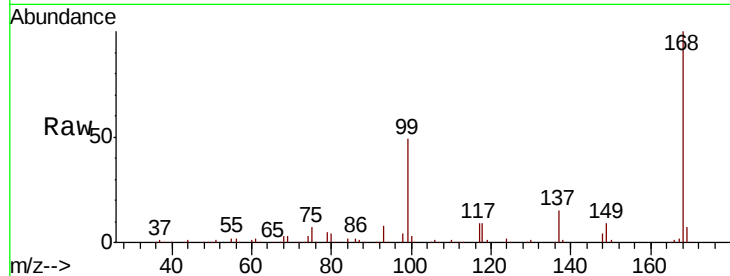
Tot Ion:117 Resp: 24474

Ion Ratio Lower Upper

117 100

119 6.8 79.5 119.3#

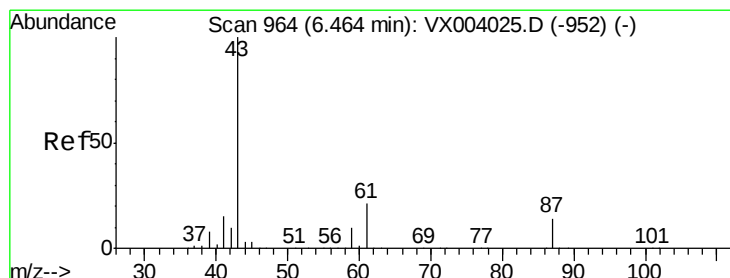
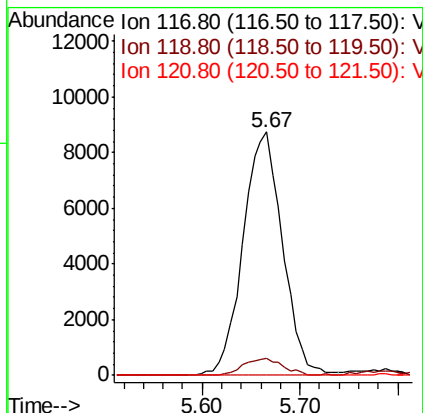
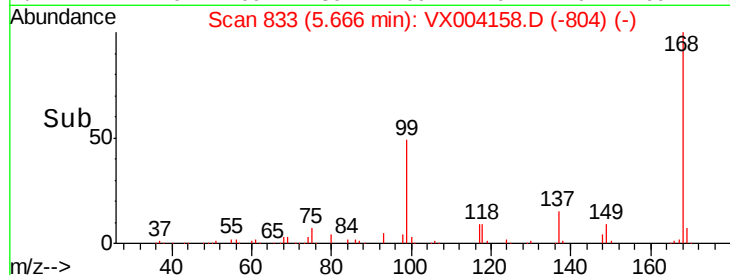
121 0.0 25.0 37.4#



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: 21.61 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

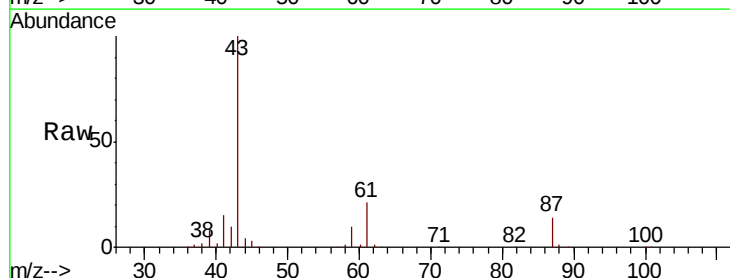
Tgt Ion: 43 Resp: 177702

Ion Ratio Lower Upper

43 100

61 20.9 16.9 25.3

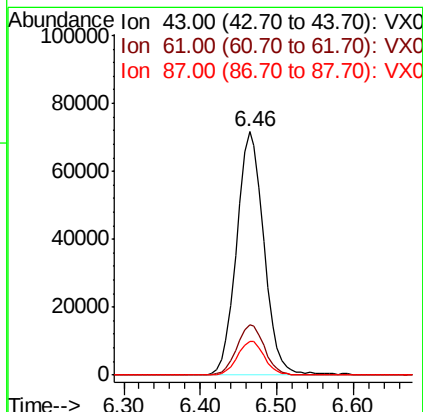
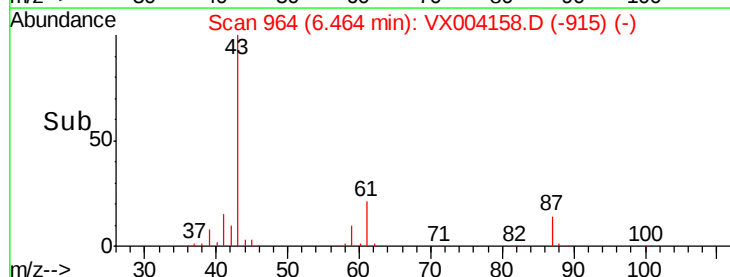
87 13.7 11.3 16.9

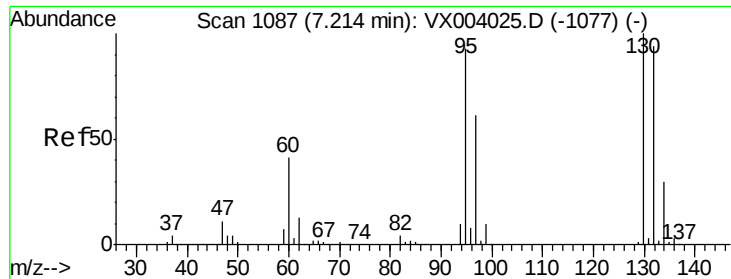


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

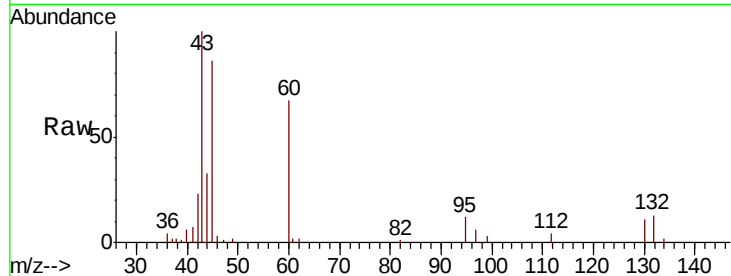




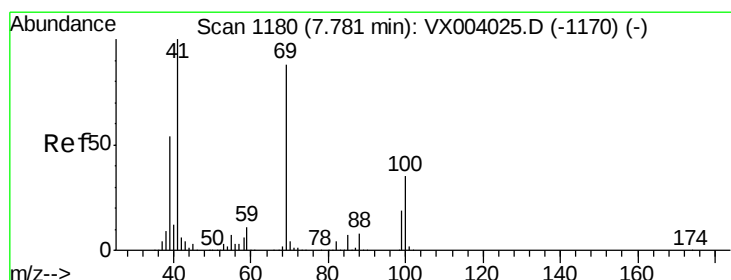
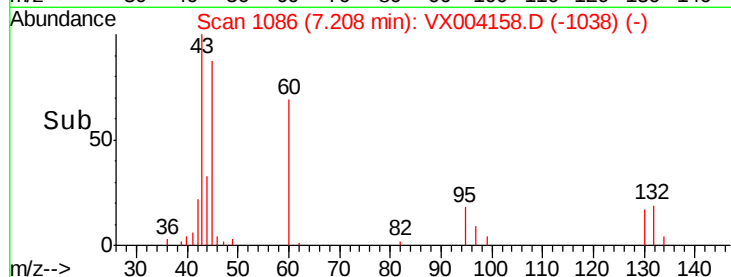
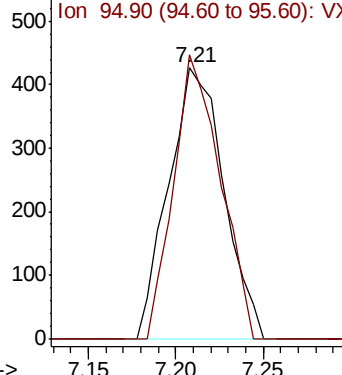
#44
 Trichloroethene
 Concen: 0.22 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112183ZHE#05

Tot Ion:130 Resp: 936
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 199.4

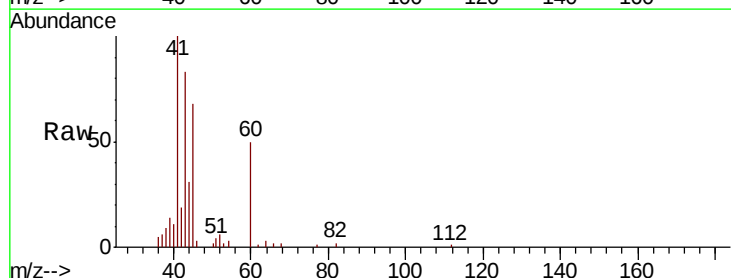


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

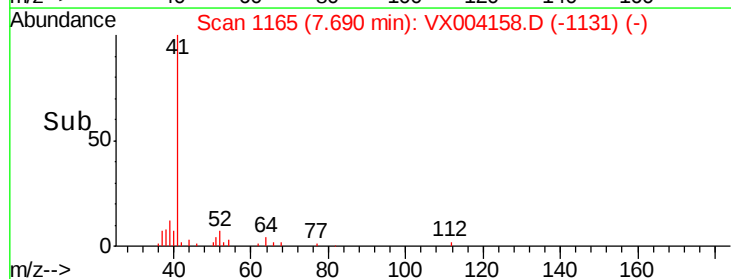
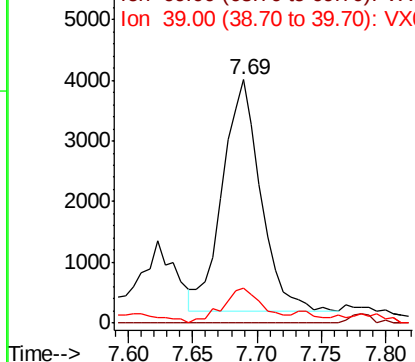


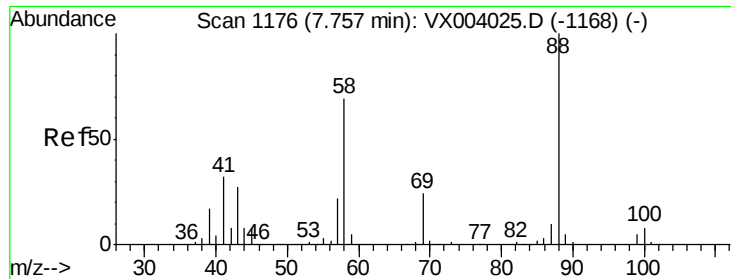
#48
 Methyl methacrylate
 Concen: 1.92 ug/l
 RT: 7.69 min Scan# 1165
 Delta R.T. -0.09 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Tgt Ion: 41 Resp: 7934
 Ion Ratio Lower Upper
 41 100
 69 0.0 68.8 103.2#
 39 15.7 42.3 63.5#



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

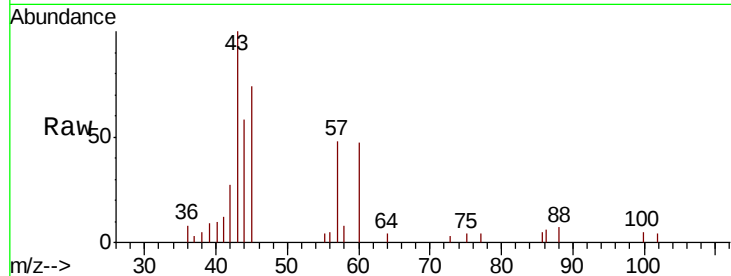




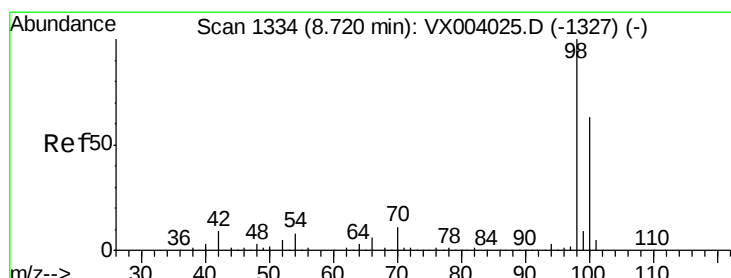
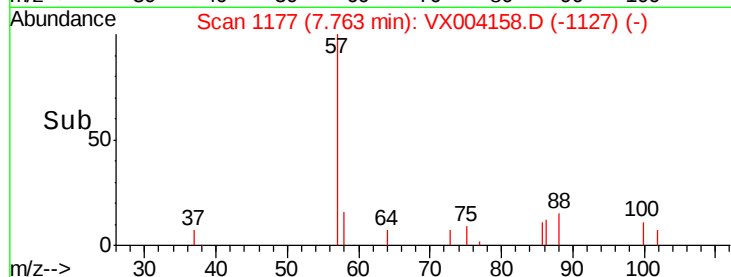
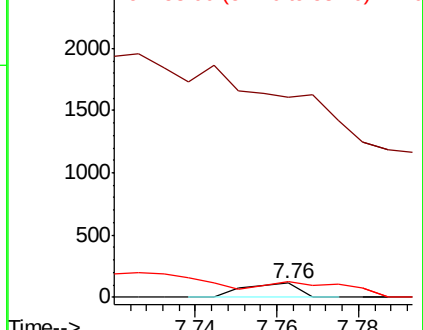
#49
1,4-Dioxane
Concen: 1.13 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

Instrument :
MSVOA_X
ClientSampleId :
PB112183ZHE#05

Tot Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 174.3 55.4 83.0#

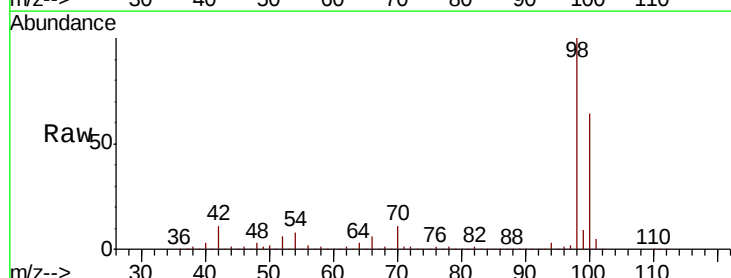


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

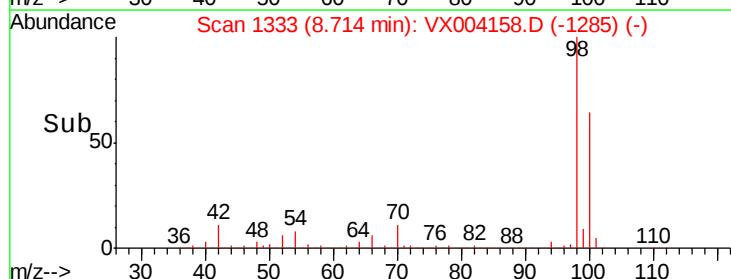
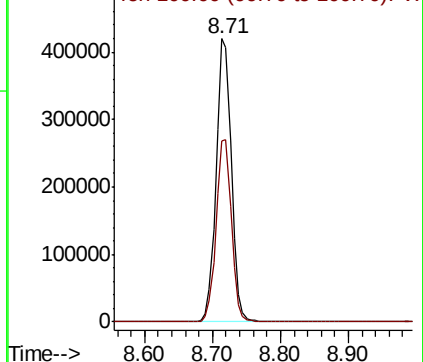


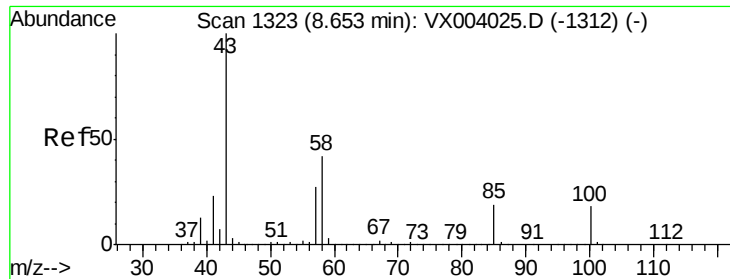
#50
Toluene-d8
Concen: 47.64 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

Tgt Ion: 98 Resp: 650734
Ion Ratio Lower Upper
98 100
100 64.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.38 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

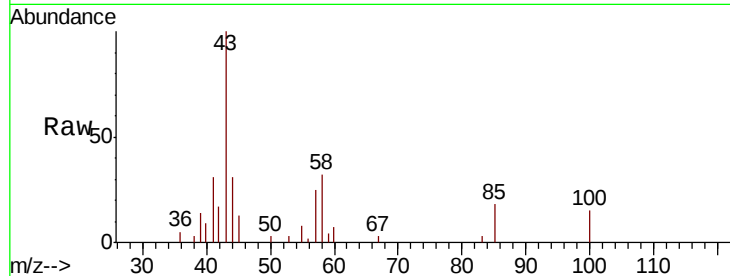
PB112183ZHE#05

Tot Ion: 43 Resp: 2545

Ion Ratio Lower Upper

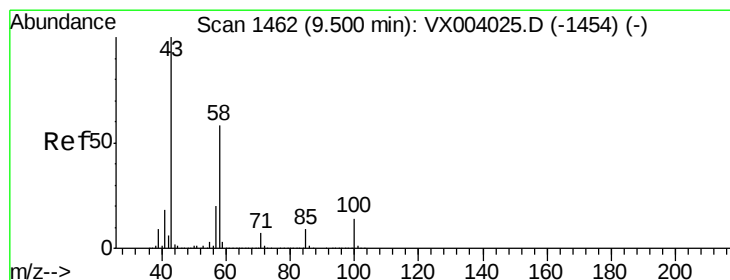
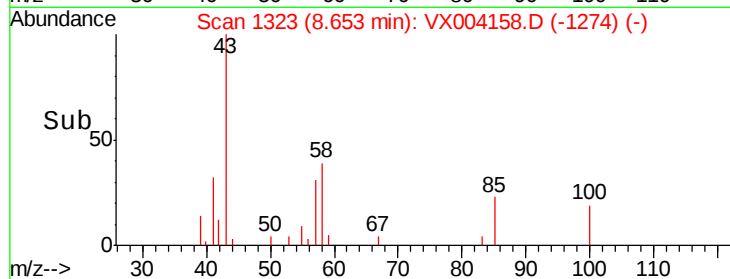
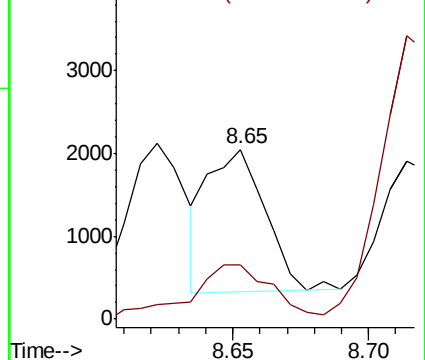
43 100

58 54.7 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 0.20 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004158.D

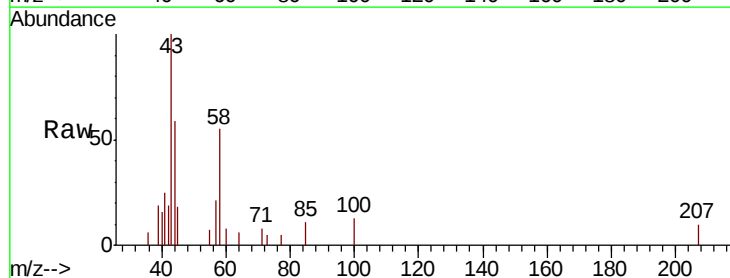
Acq: 20 Aug 2018 17:35

Tgt Ion: 43 Resp: 1040

Ion Ratio Lower Upper

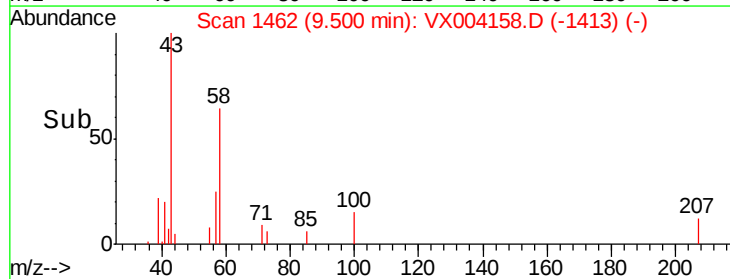
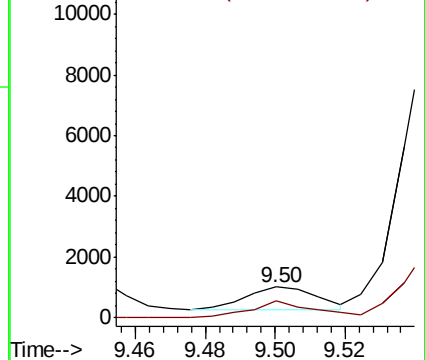
43 100

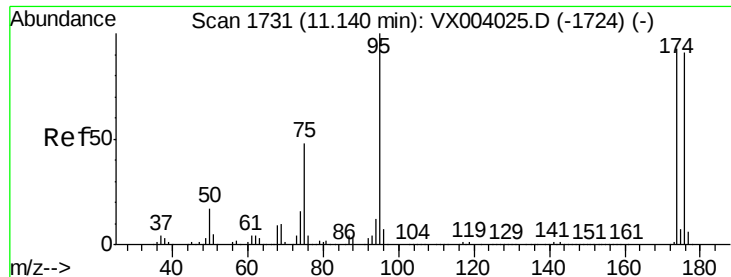
58 70.8 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

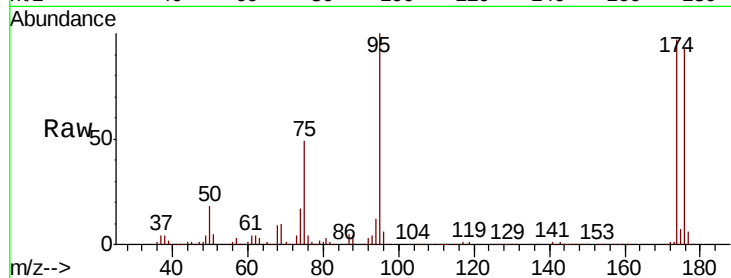
Tot Ion: 95 Resp: 224657

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

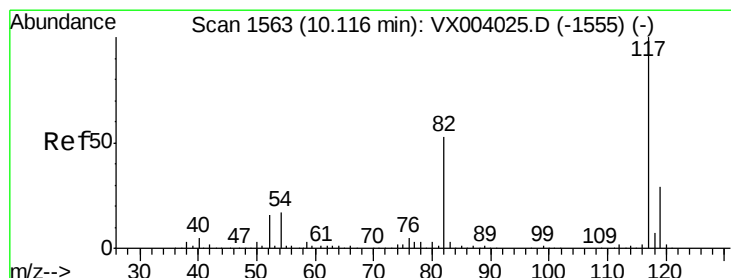
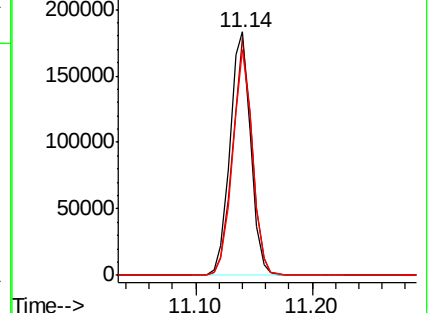
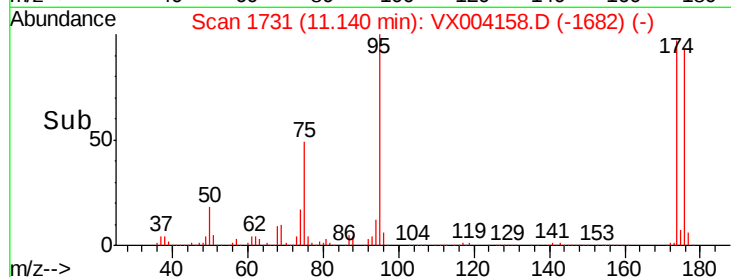
176 89.6 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

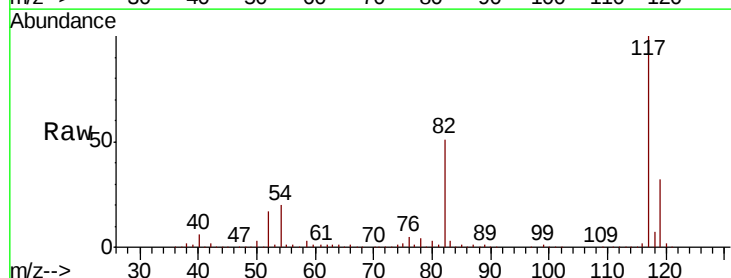
Tgt Ion: 117 Resp: 447921

Ion Ratio Lower Upper

117 100

82 51.5 45.4 68.0

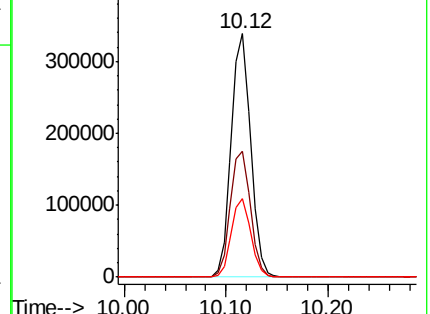
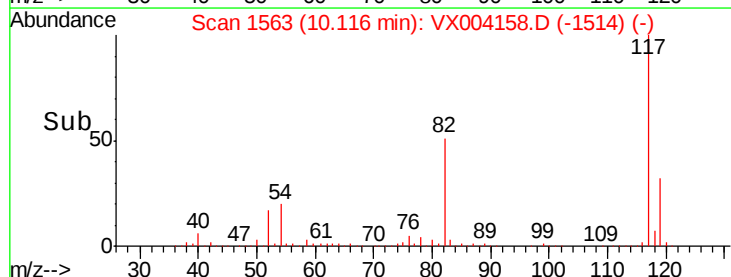
119 32.4 26.6 40.0

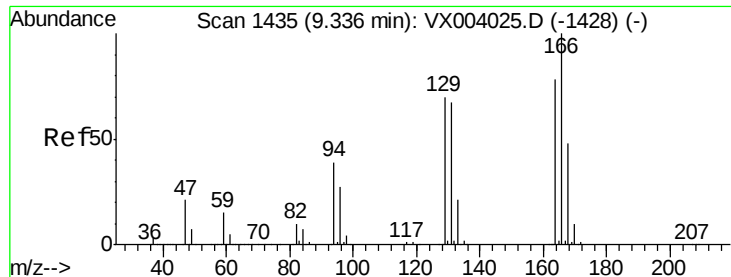


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

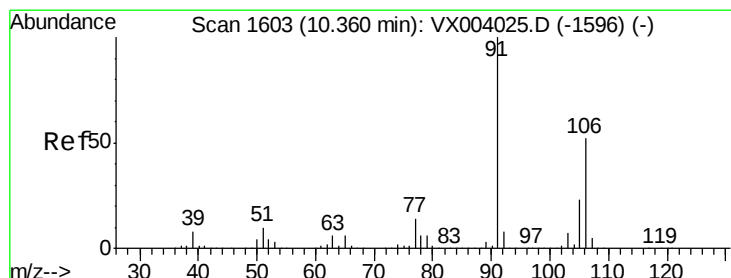
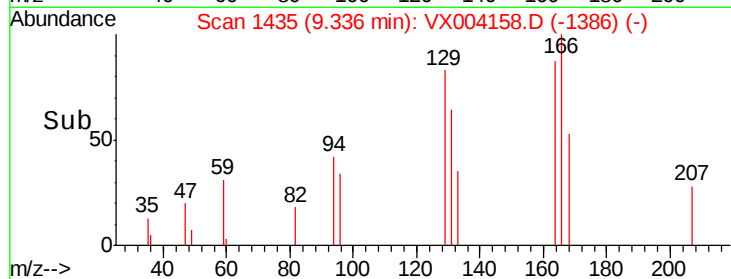
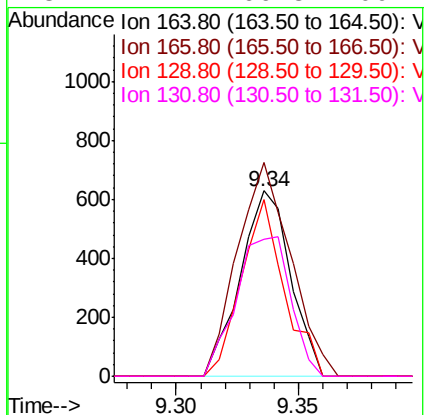
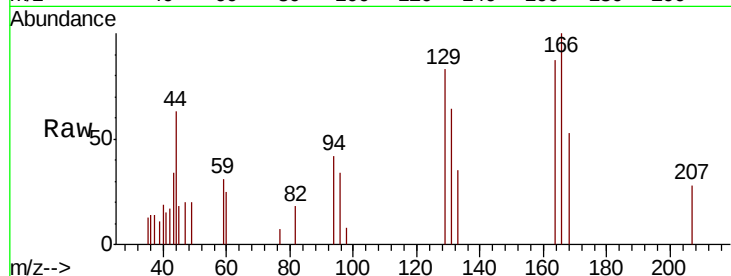




#64
Tetrachloroethene
Concen: 0.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

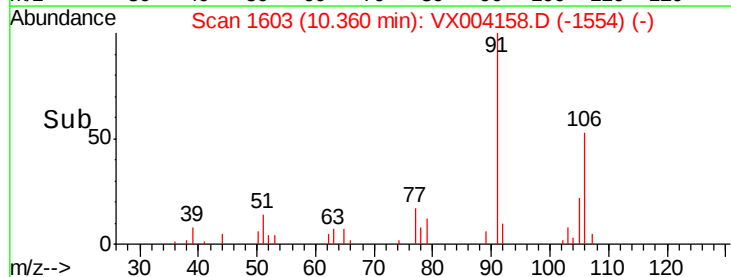
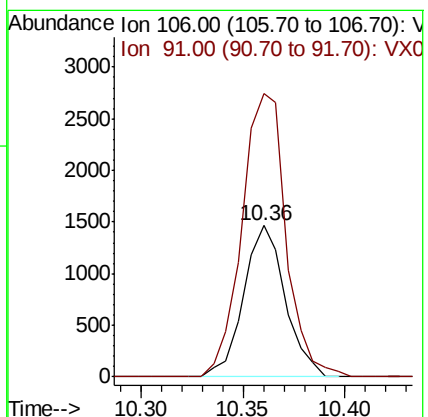
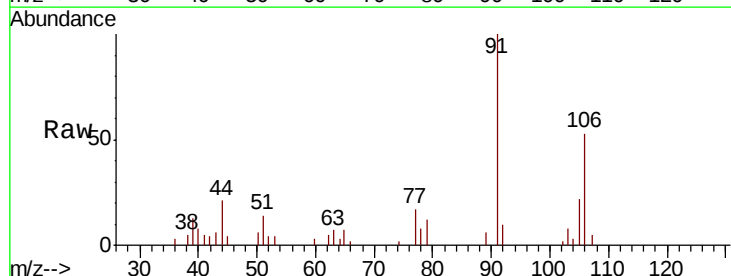
Instrument :
MSVOA_X
ClientSampleId :
PB112183ZHE#05

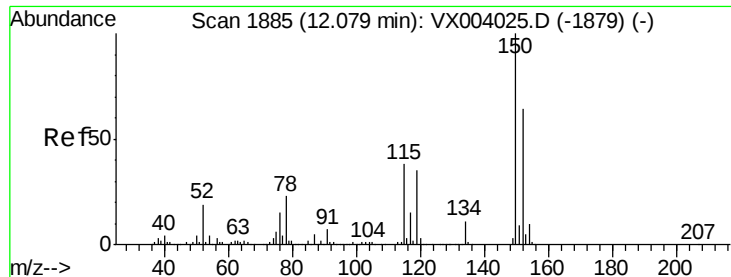
Tot Ion:164 Resp: 895
Ion Ratio Lower Upper
164 100
166 115.3 98.0 147.0
129 95.2 64.3 96.5
131 74.1 66.8 100.2



#68
m/p-Xylenes
Concen: 0.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004158.D
Acq: 20 Aug 2018 17:35

Tgt Ion:106 Resp: 2079
Ion Ratio Lower Upper
106 100
91 198.2 162.3 243.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

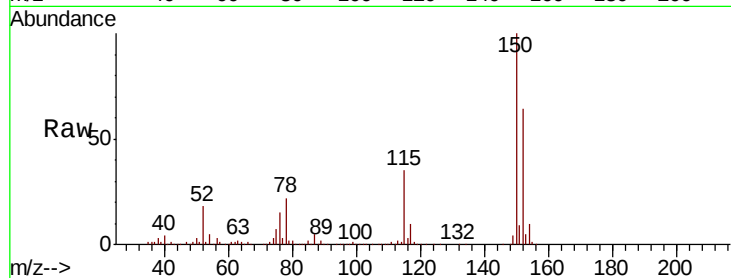
Tot Ion:152 Resp: 242335

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.3

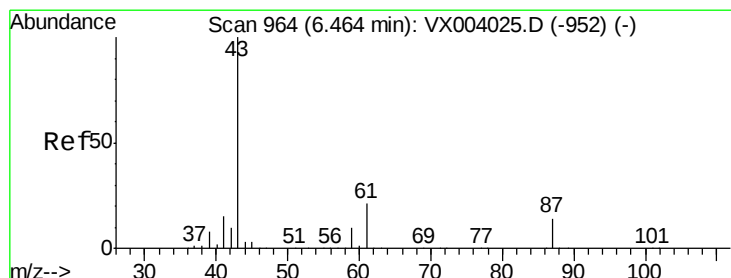
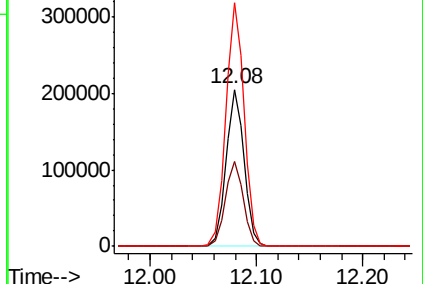
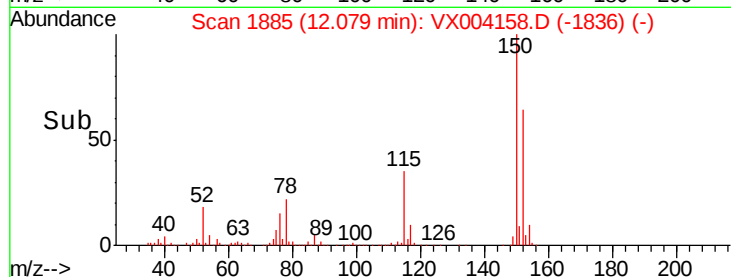
150 157.2 0.0 349.2



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: 23.04 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Tgt Ion: 43 Resp: 177702

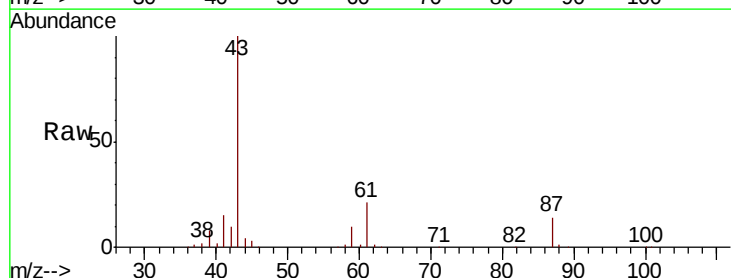
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.9 16.9 25.3

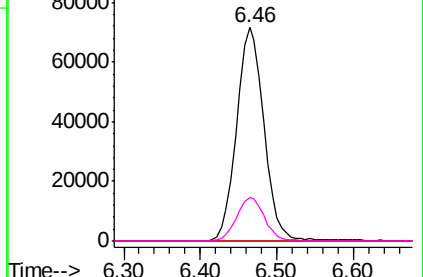
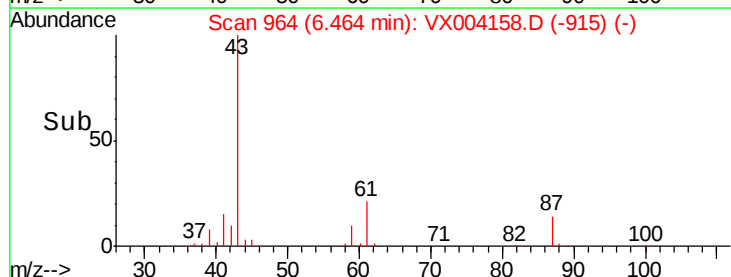


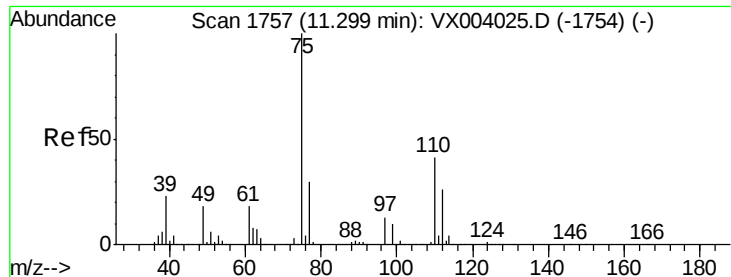
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

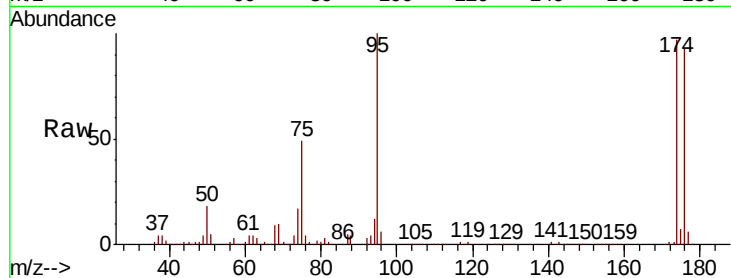
PB112183ZHE#05

Tot Ion: 75 Resp: 107935

Ion Ratio Lower Upper

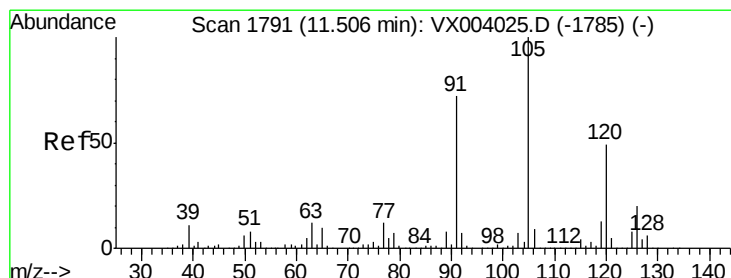
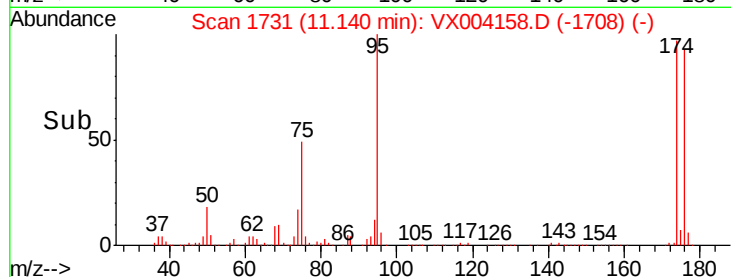
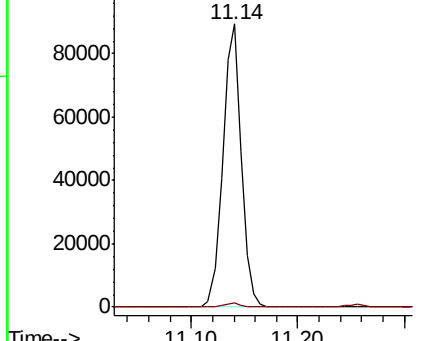
75 100

77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX004025.D (-1754) (-)

Ion 77.00 (76.70 to 77.70): VX004025.D (-1754) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.31 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004158.D

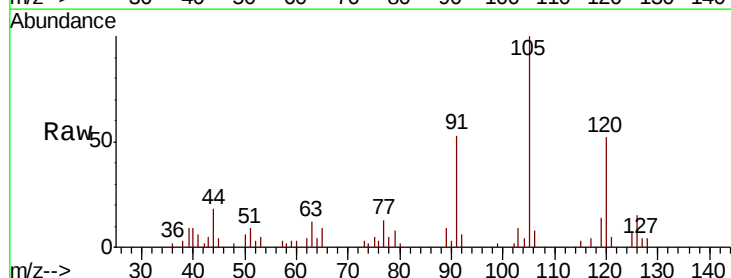
Acq: 20 Aug 2018 17:35

Tgt Ion:105 Resp: 4192

Ion Ratio Lower Upper

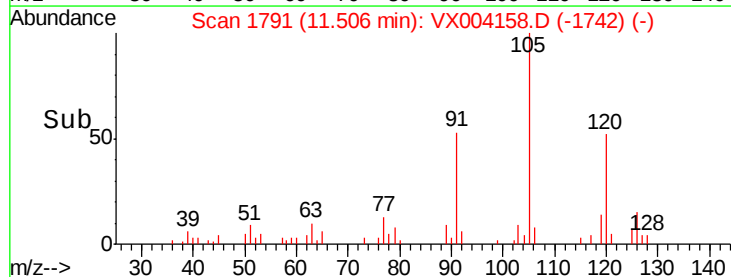
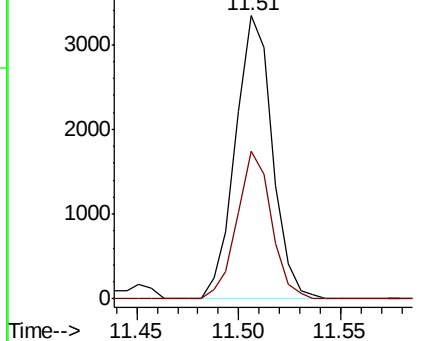
105 100

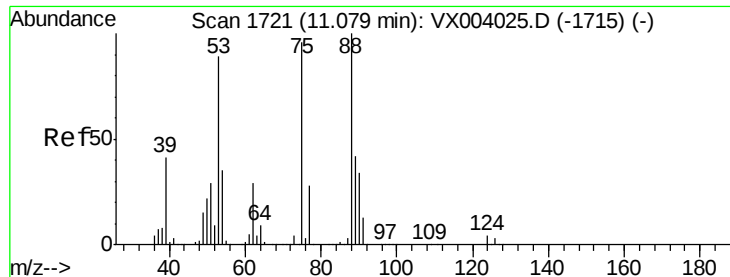
120 48.3 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 68.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

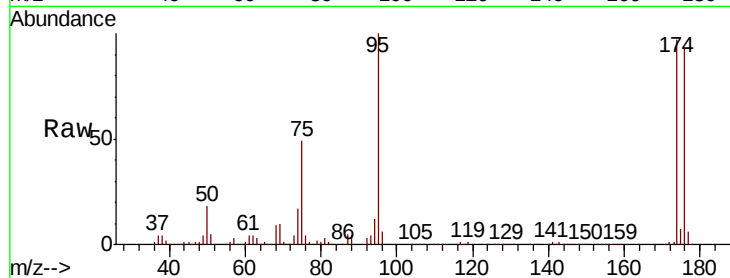
Tot Ion: 75 Resp: 107935

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

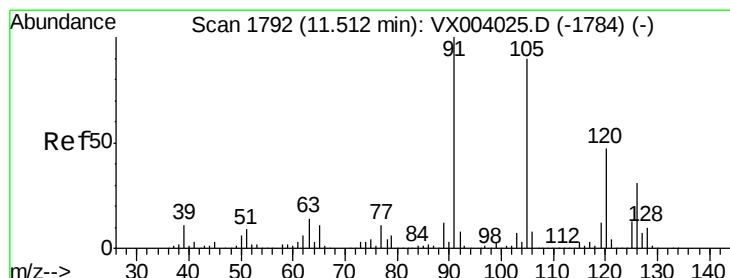
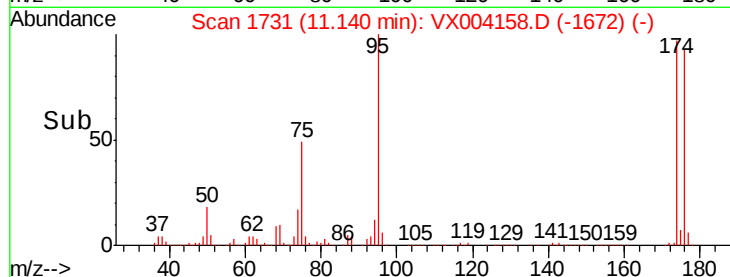
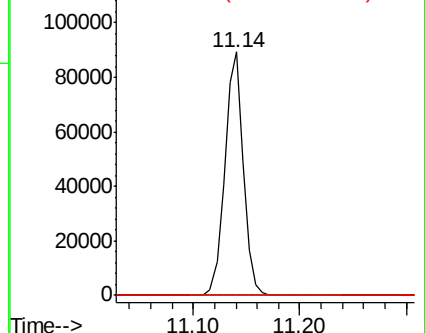
89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004158.D

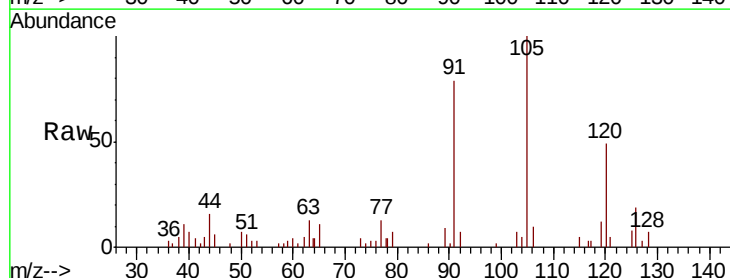
Acq: 20 Aug 2018 17:35

Tgt Ion: 91 Resp: 3002

Ion Ratio Lower Upper

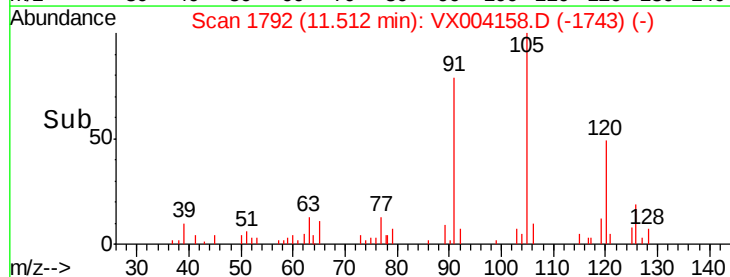
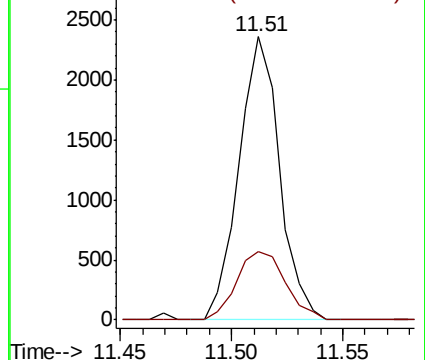
91 100

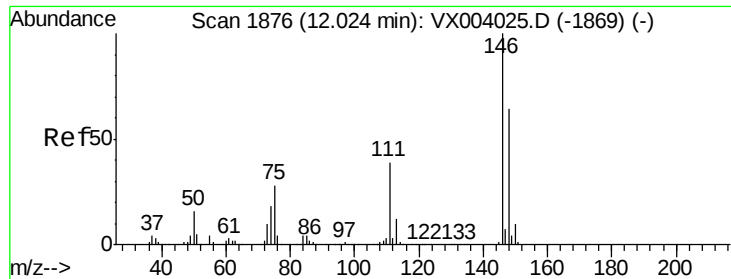
126 28.9 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 0.26 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

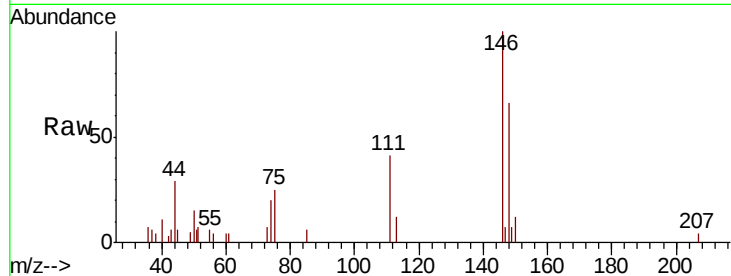
Tot Ion:146 Resp: 2235

Ion Ratio Lower Upper

146 100

111 39.1 18.8 56.4

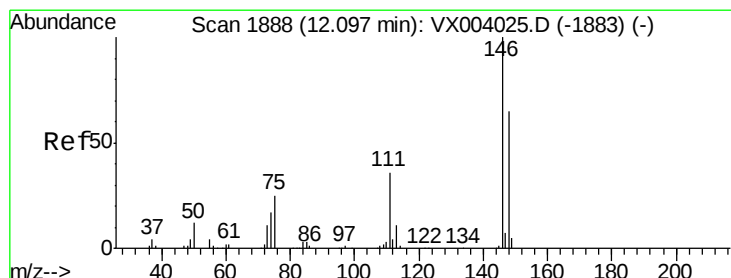
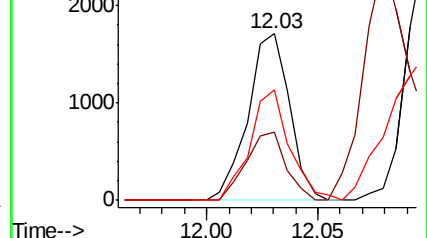
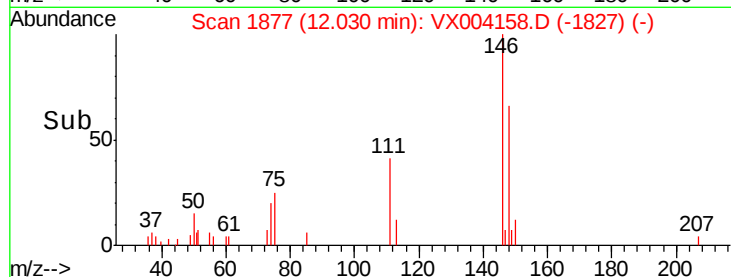
148 63.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.25 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

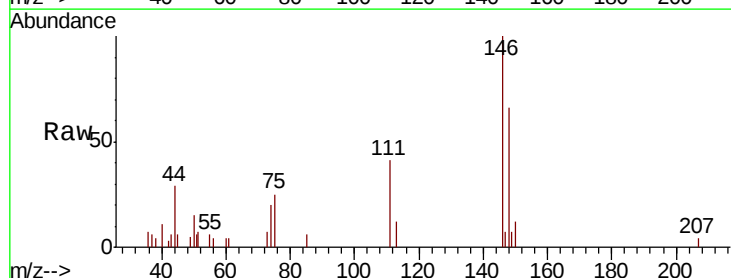
Tgt Ion:146 Resp: 2235

Ion Ratio Lower Upper

146 100

111 39.1 18.4 55.0

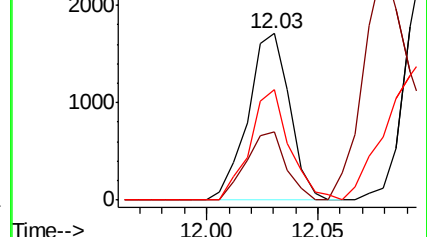
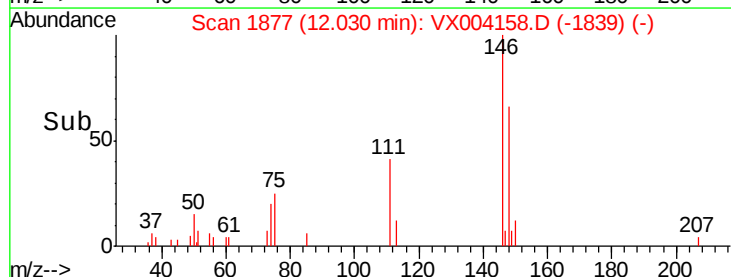
148 63.0 32.3 96.8

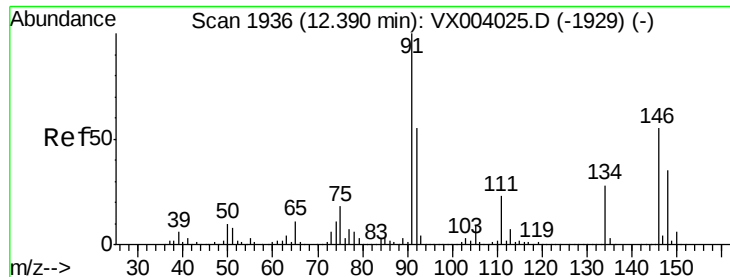


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.23 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

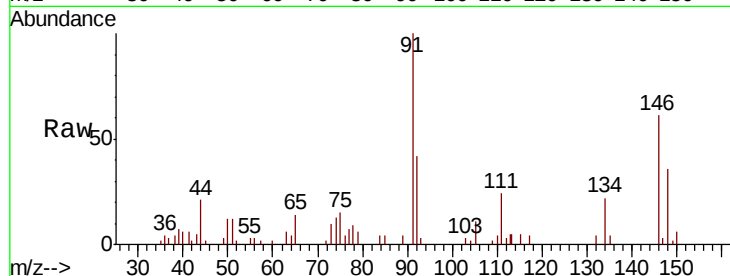
Tot Ion: 91 Resp: 2611

Ion Ratio Lower Upper

91 100

92 50.8 27.1 81.3

134 25.5 13.6 40.7



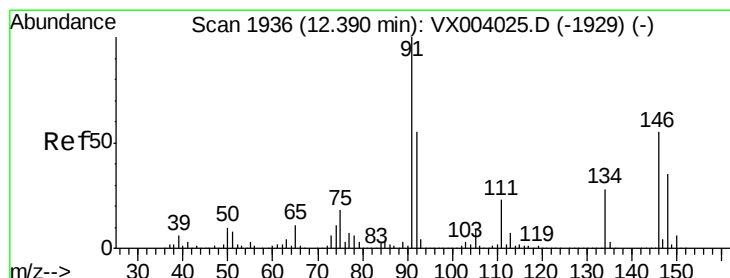
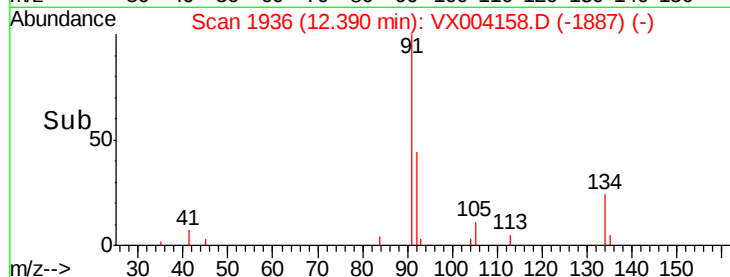
Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX004025.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX004025.D (-1929) (-)

12.39

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.22 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

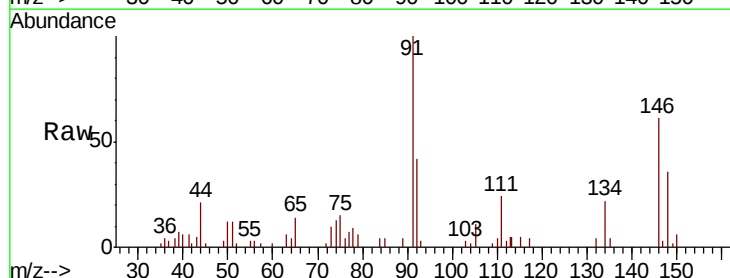
Tgt Ion: 146 Resp: 1715

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

148 62.3 31.9 95.5



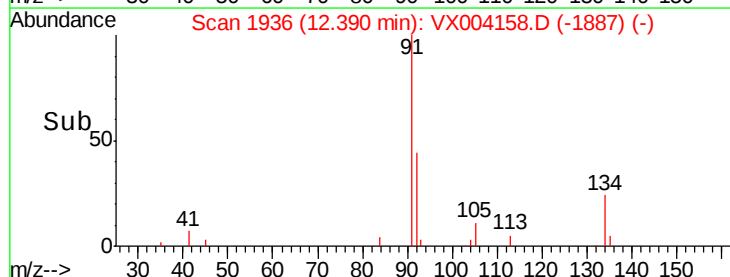
Abundance Ion 145.90 (145.60 to 146.60): VX004025.D (-1929) (-)

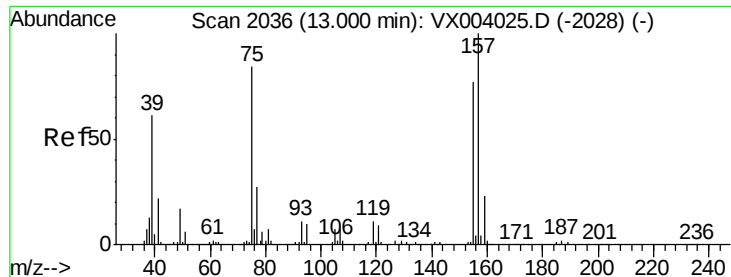
Ion 110.90 (110.60 to 111.60): VX004025.D (-1929) (-)

Ion 147.90 (147.60 to 148.60): VX004025.D (-1929) (-)

12.39

Time-->

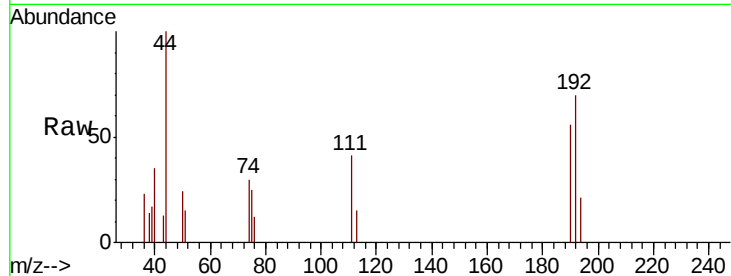




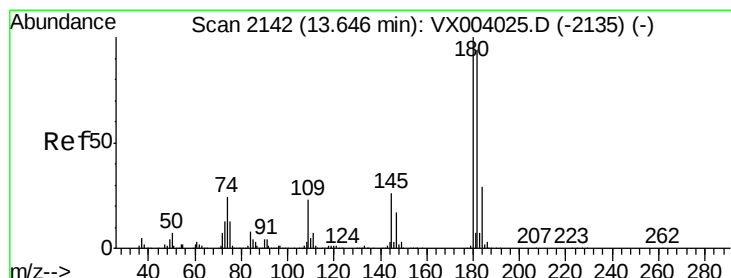
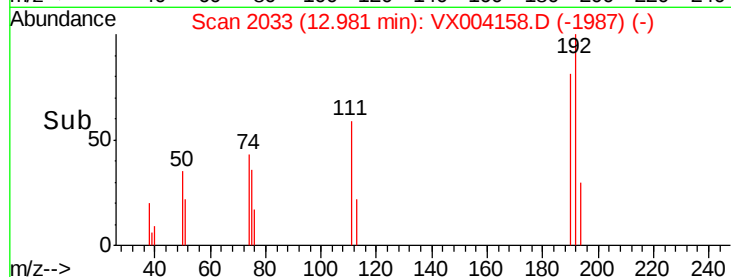
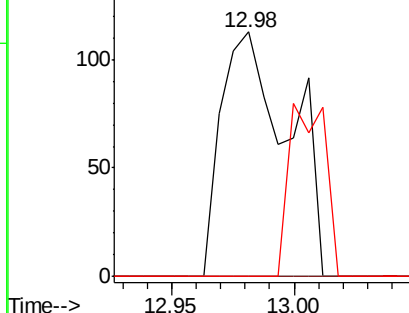
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.22 ug/l
 RT: 12.98 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112183ZHE#05

Tot Ion: 75 Resp: 217
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 37.8 62.6 187.8#

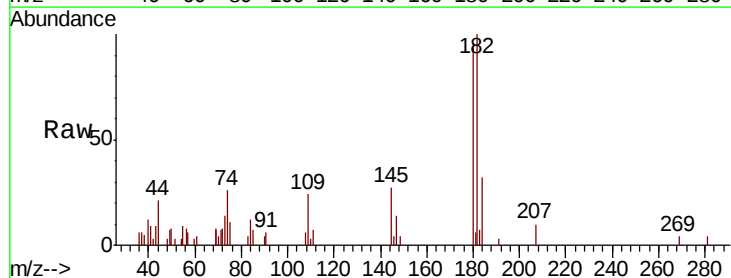


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

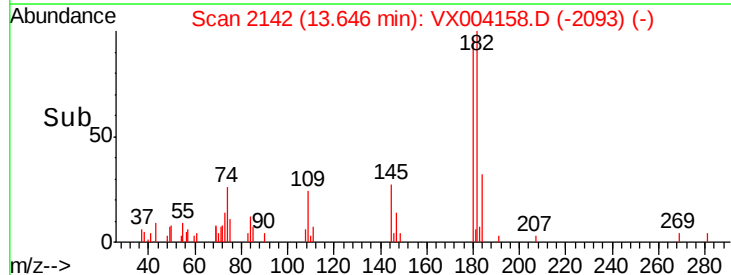
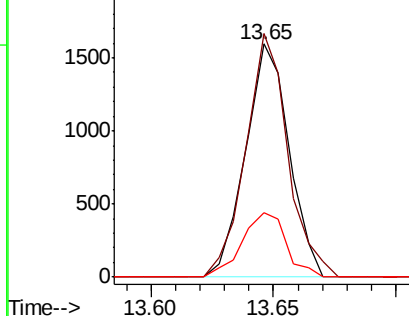


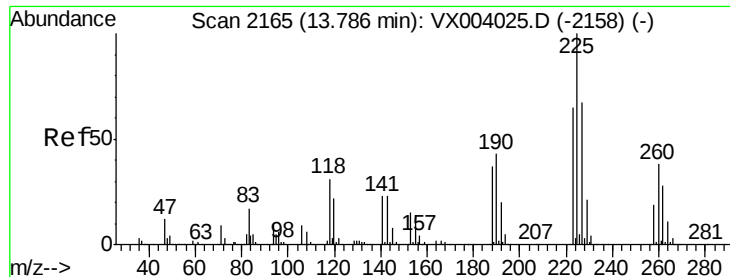
#93
 1,2,4-Trichlorobenzene
 Concen: 0.37 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Tgt Ion:180 Resp: 1969
 Ion Ratio Lower Upper
 180 100
 182 101.1 47.7 143.1
 145 28.0 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.36 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

PB112183ZHE#05

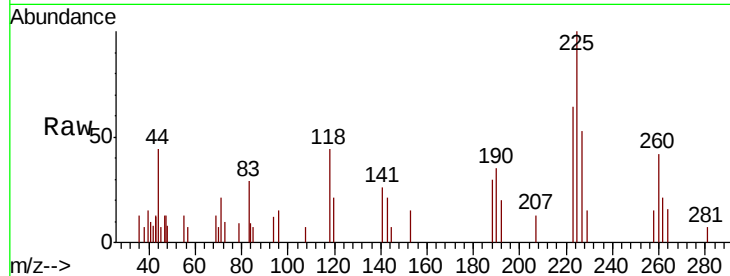
Tot Ion:225 Resp: 970

Ion Ratio Lower Upper

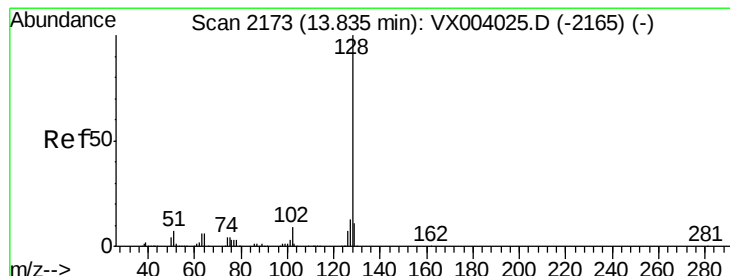
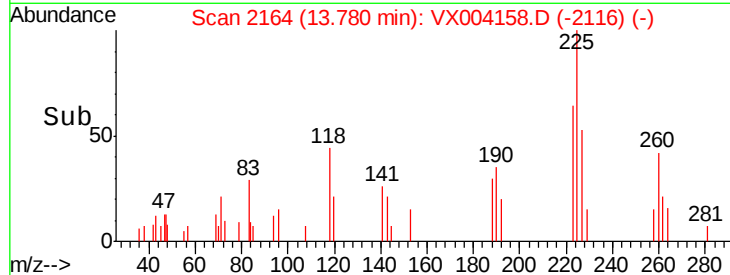
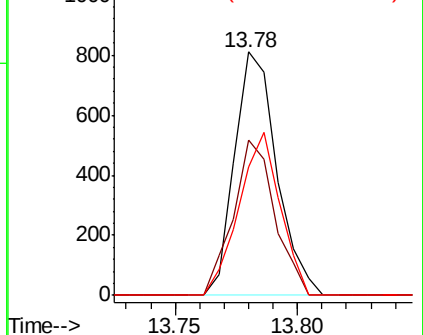
225 100

223 62.9 31.4 94.0

227 65.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.30 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004158.D

Acq: 20 Aug 2018 17:35

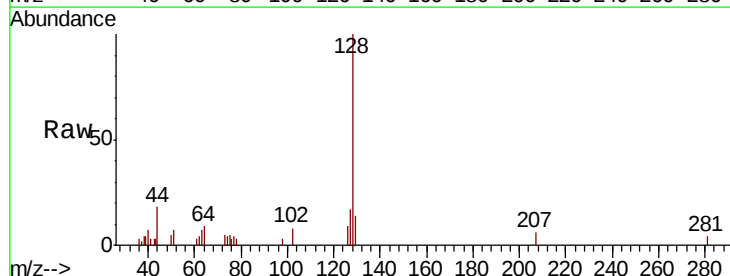
Tgt Ion:128 Resp: 2742

Ion Ratio Lower Upper

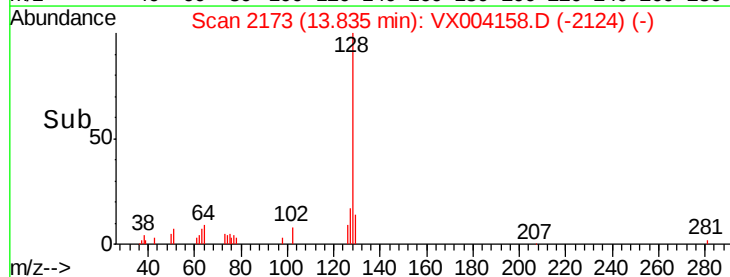
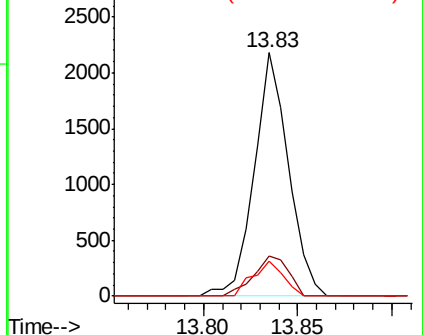
128 100

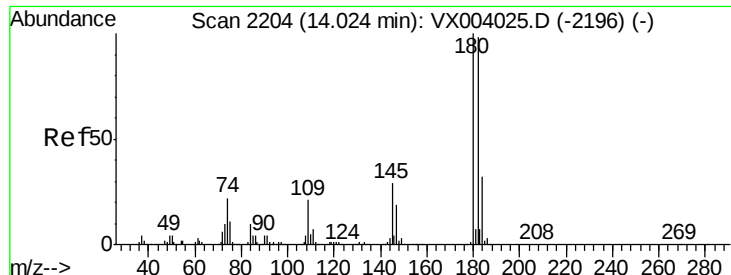
127 16.6 10.2 15.2#

129 12.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

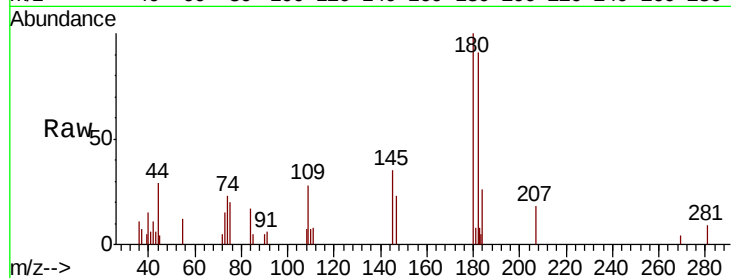




#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 14.02 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: VX004158.D
 Acq: 20 Aug 2018 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112183ZHE#05

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.4
145	34.2	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

