

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005927.D
 Acq On : 13 Nov 2018 03:59
 Operator : JC/MD
 Sample : J5892-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PN-STONE

Quant Time: Nov 13 04:49:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	101034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	146285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	132816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	63156	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	63944	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
35) Dibromofluoromethane	5.50	113	50383	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	8.71	98	174695	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.14	95	59245	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

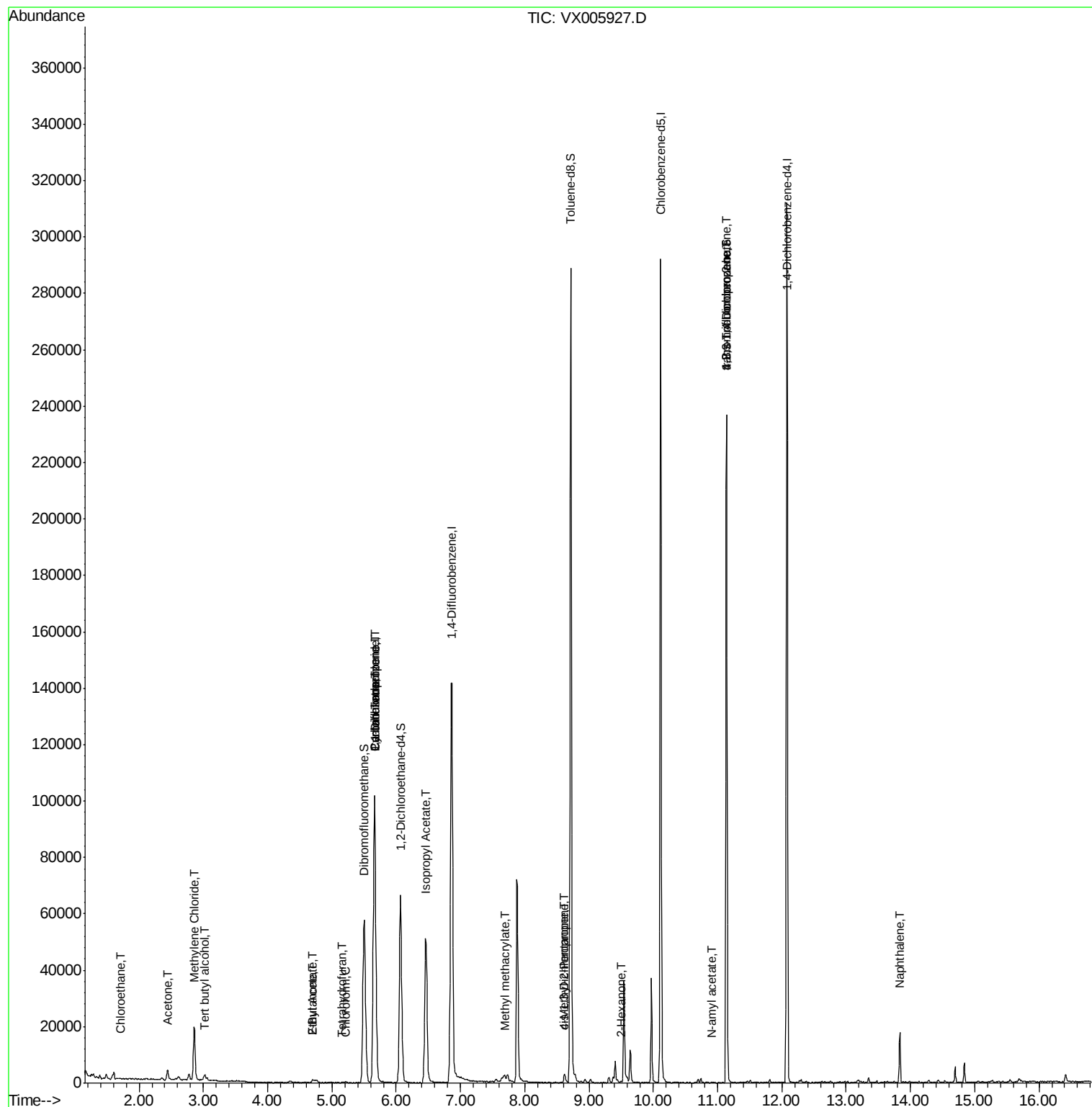
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	299	0.418	ug/l #	42
11) Tert butyl alcohol	3.02	59	1479	4.445	ug/l #	72
16) Acetone	2.45	43	3791	6.062	ug/l	93
20) Methylene Chloride	2.86	84	7893	7.683	ug/l	99
25) 2-Butanone	4.70	43	1950	1.983	ug/l	93
29) Tetrahydrofuran	5.15	42	188	0.298	ug/l #	45
30) Chloroform	5.20	83	556	0.309	ug/l	85
31) Cyclohexane	5.67	56	1866	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7050	4.999	ug/l #	48
37) Ethyl Acetate	4.70	43	1950	1.052	ug/l #	69
38) Carbon Tetrachloride	5.66	117	9363	6.632	ug/l #	17
43) Isopropyl Acetate	6.46	43	71436	26.584	ug/l	99
48) Methyl methacrylate	7.69	41	2912	2.413	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	1545	0.912	ug/l #	43
54) cis-1,3-Dichloropropene	8.62	75	435	0.306	ug/l #	73
59) 2-Hexanone	9.50	43	384	0.257	ug/l	99
74) N-amyl acetate	10.90	43	65	1.282	ug/l #	71
76) 1,2,3-Trichloropropane	11.14	75	30075	23.387	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	30075	74.537	ug/l #	9
95) Naphthalene	13.83	128	10959	3.533	ug/l	99

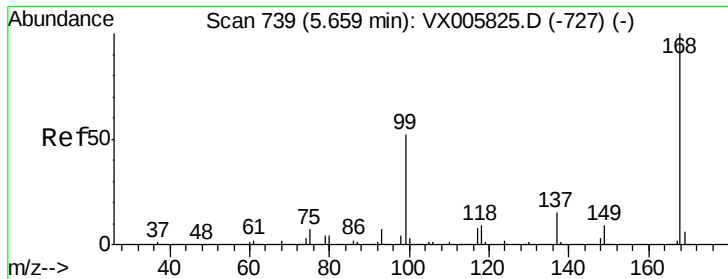
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

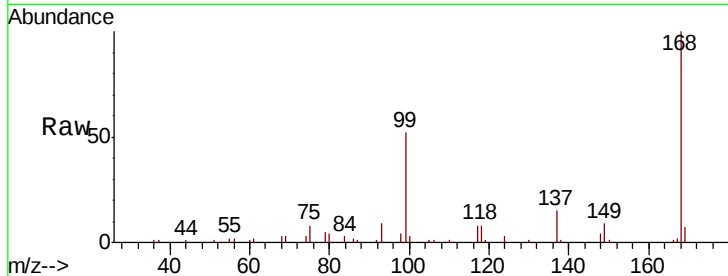
PN-STONE

Tot Ion:168 Resp: 101034

Ion Ratio Lower Upper

168 100

99 52.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

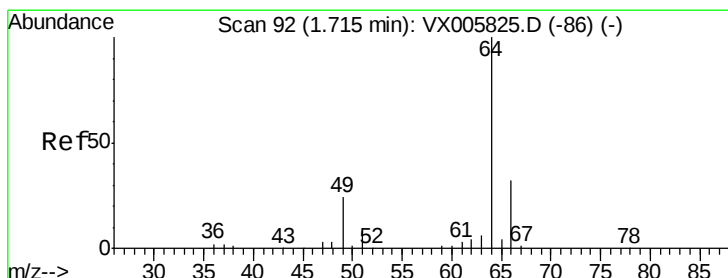
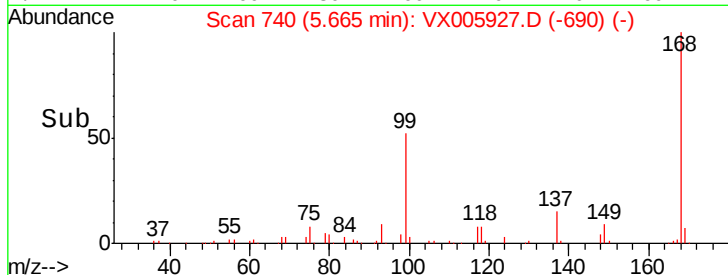
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: 0.418 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005927.D

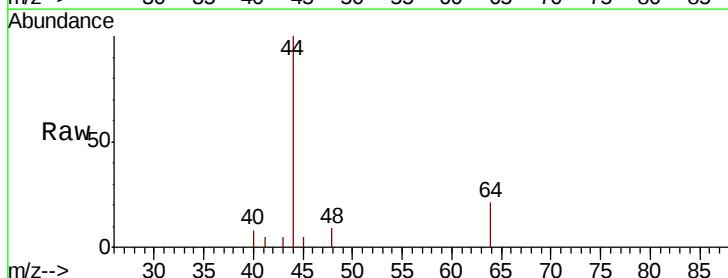
Acq: 13 Nov 2018 03:59

Tgt Ion: 64 Resp: 299

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

300

250

200

150

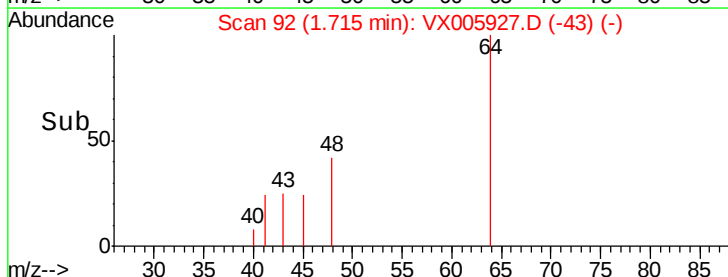
100

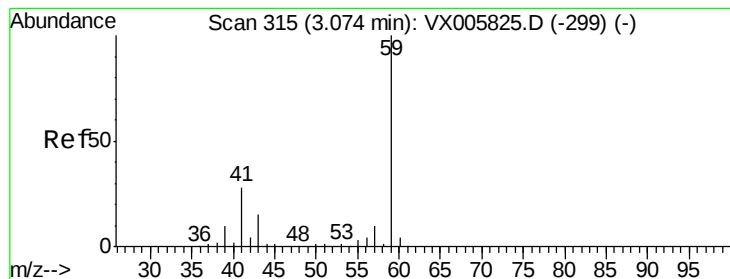
50

0

Time-->

1.65 1.70



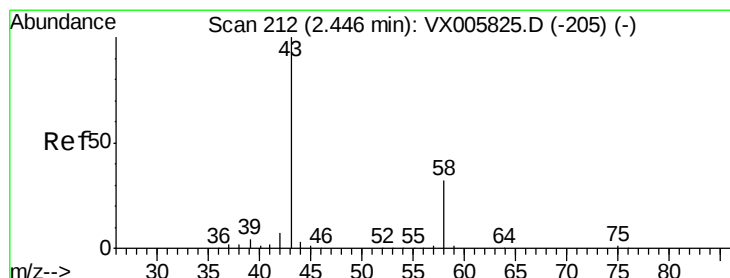
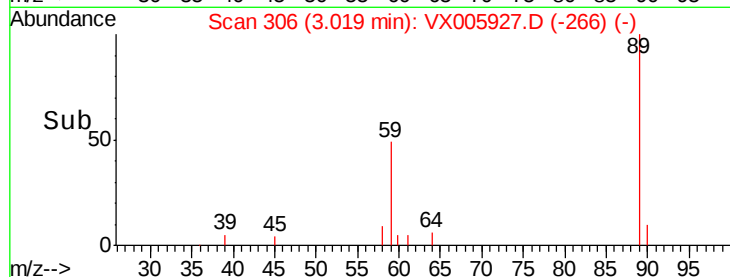
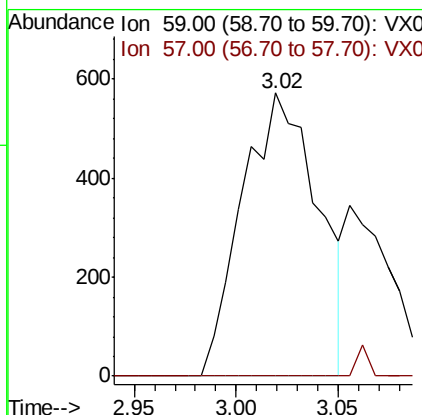
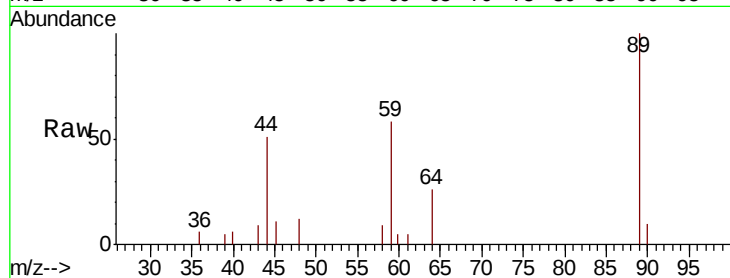


#11

Tert butyl alcohol
 Concen: 4.445 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX005927.D
 Acq: 13 Nov 2018 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 PN-STONE

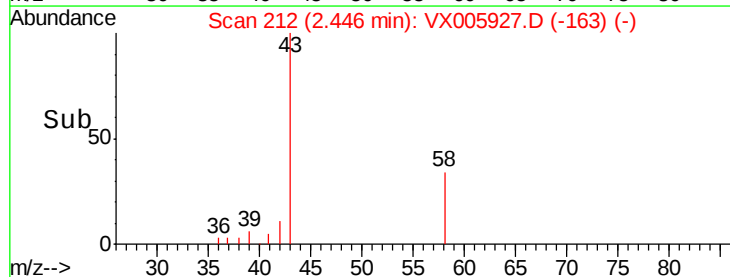
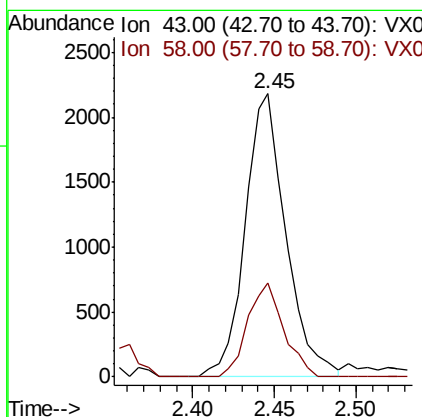
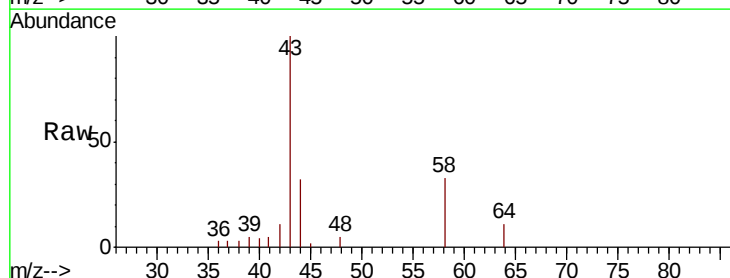
Tot Ion: 59 Resp: 1479
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

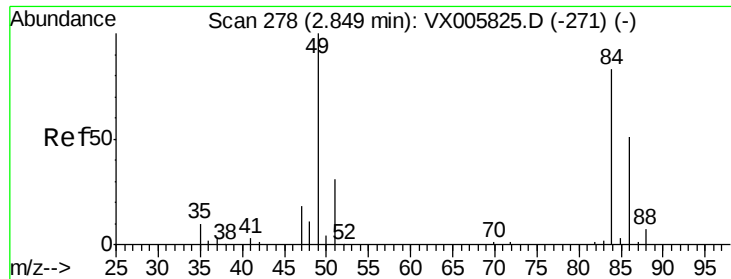


#16

Acetone
 Concen: 6.062 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005927.D
 Acq: 13 Nov 2018 03:59

Tgt Ion: 43 Resp: 3791
 Ion Ratio Lower Upper
 43 100
 58 33.4 23.8 35.6

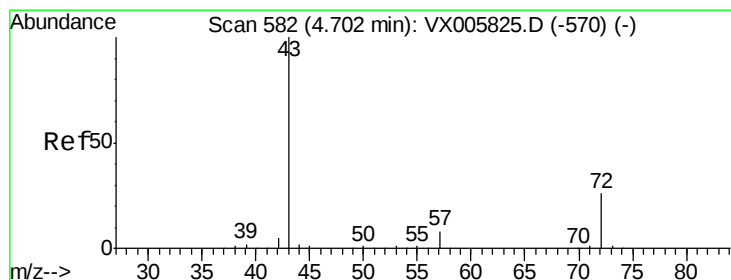
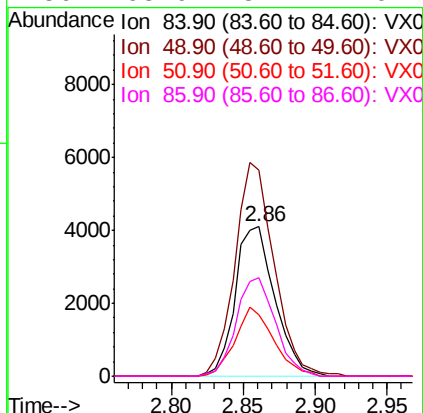
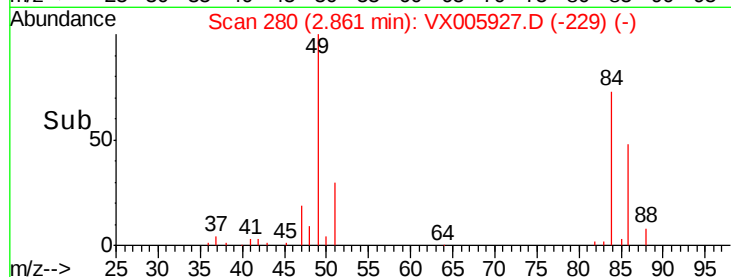
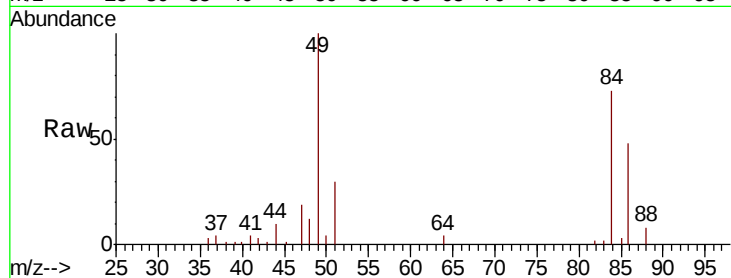




#20
Methvlene Chloride
Concen: 7.683 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

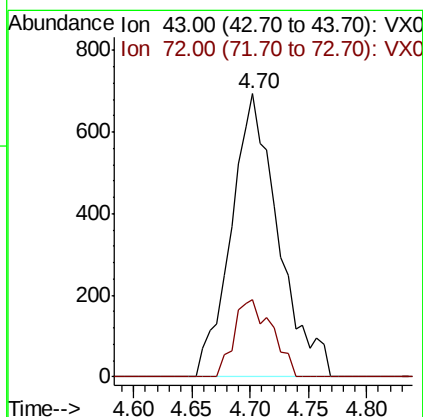
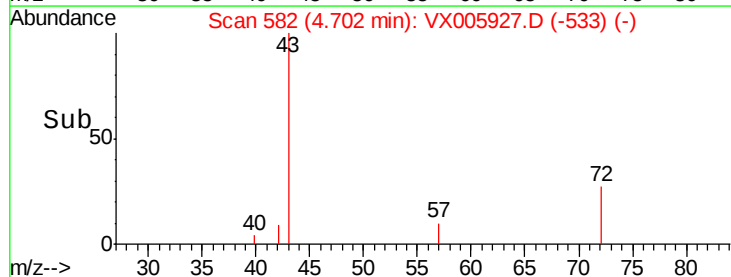
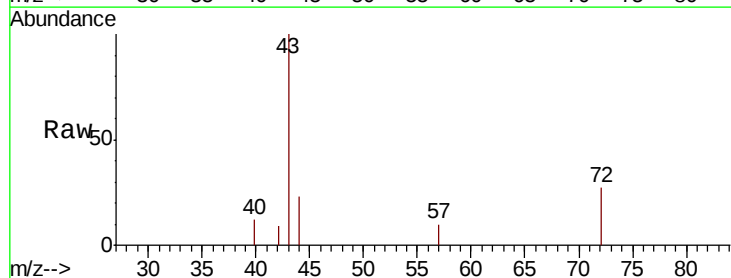
Instrument :
MSVOA_X
ClientSampled :
PN-STONE

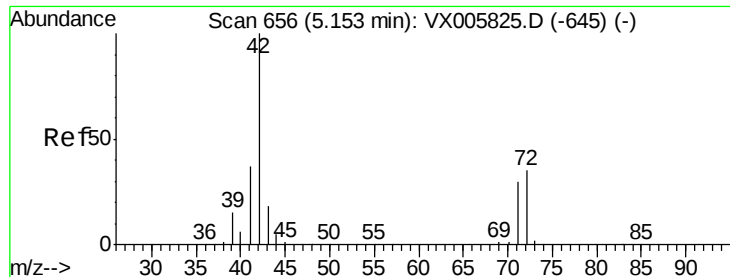
Tot Ion: 84 Resp: 7893
Ion Ratio Lower Upper
84 100
49 137.9 109.5 164.3
51 40.8 33.3 49.9
86 65.9 52.7 79.1



#25
2-Butanone
Concen: 1.983 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
72 27.4 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampled :

PN-STONE

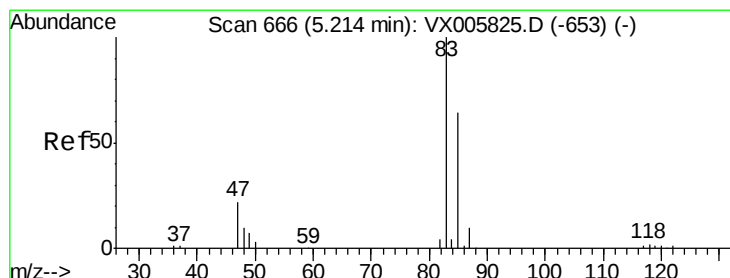
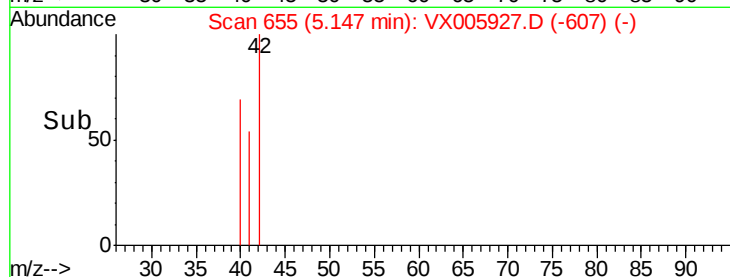
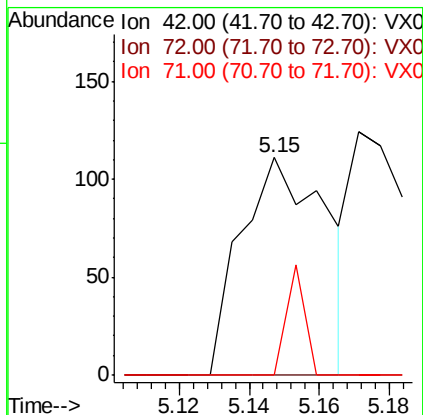
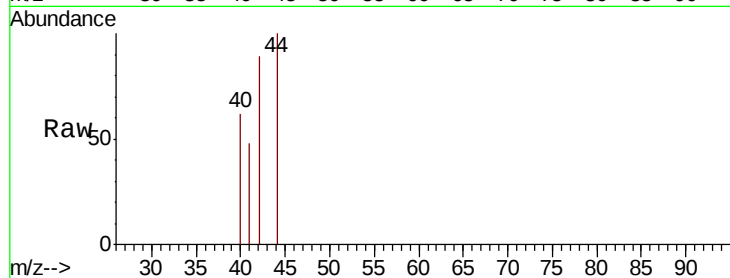
Tot Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 10.6 29.8 44.8#



#30

Chloroform

Concen: 0.309 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX005927.D

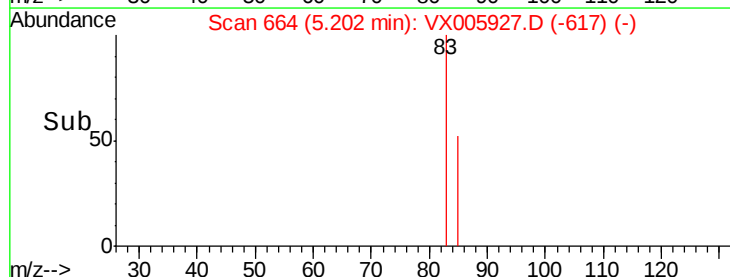
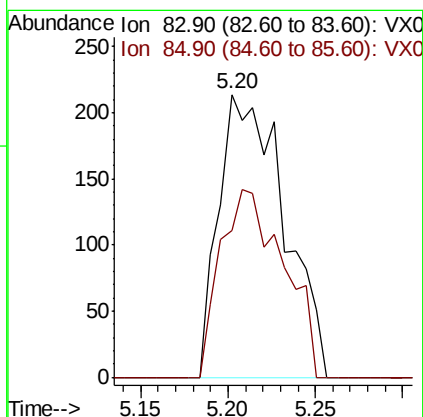
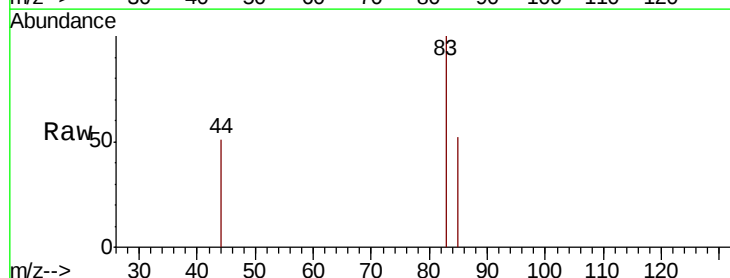
Acq: 13 Nov 2018 03:59

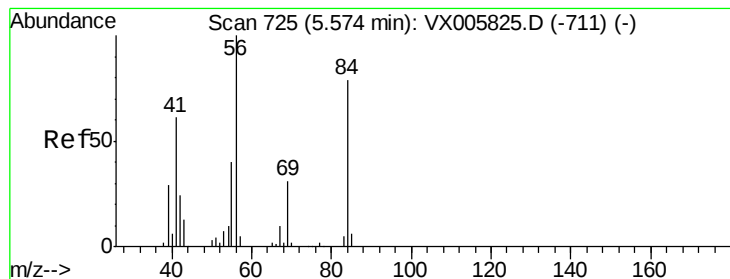
Tgt Ion: 83 Resp: 556

Ion Ratio Lower Upper

83 100

85 51.9 50.6 76.0





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

PN-STONE

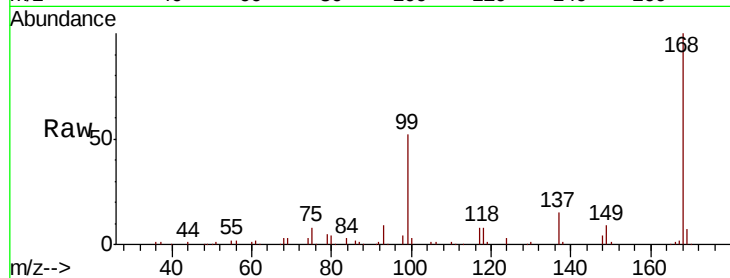
Tot Ion: 56 Resp: 1866

Ion Ratio Lower Upper

56 100

69 193.8 22.6 34.0#

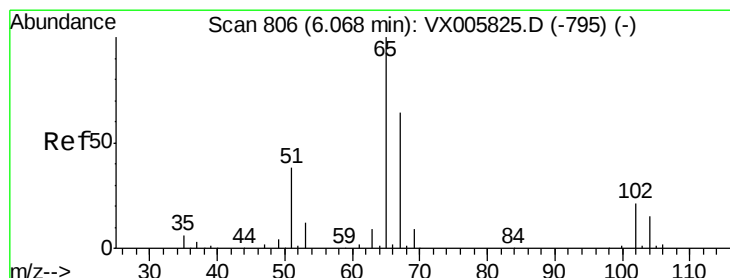
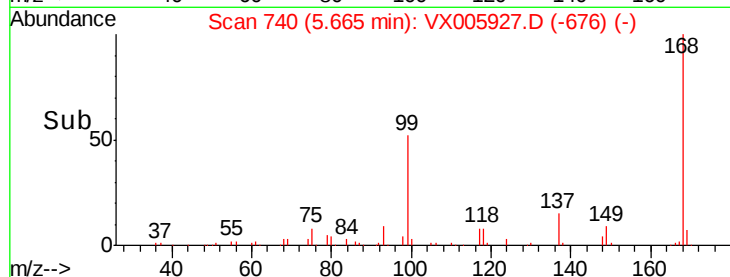
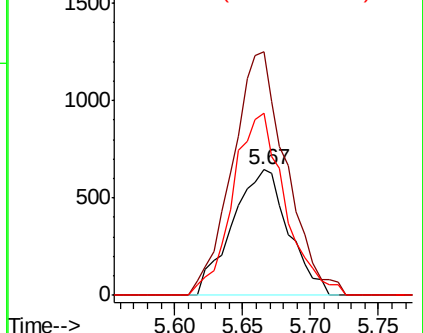
84 145.3 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.052 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005927.D

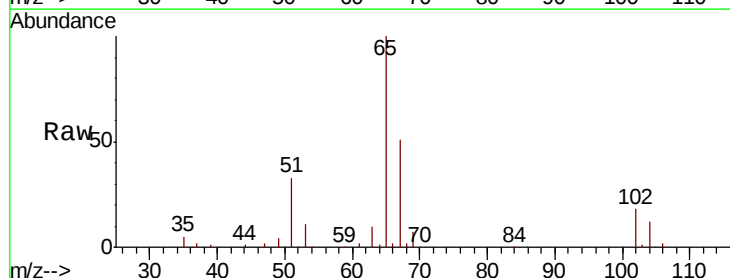
Acq: 13 Nov 2018 03:59

Tgt Ion: 65 Resp: 63944

Ion Ratio Lower Upper

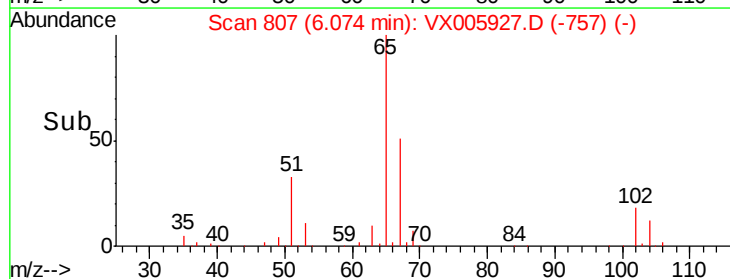
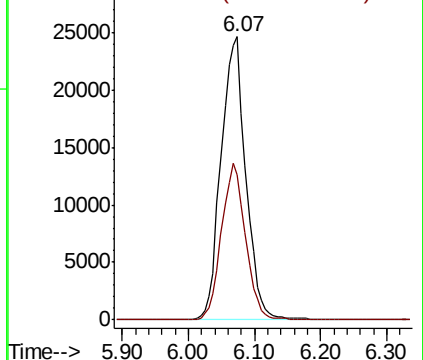
65 100

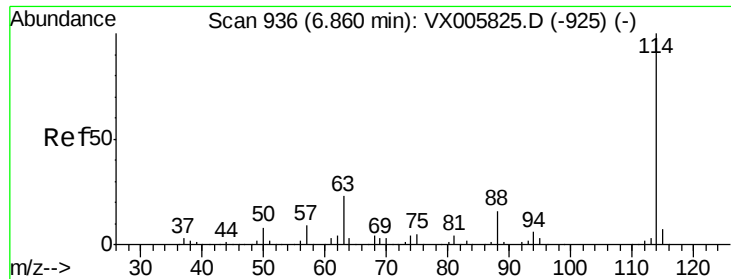
67 53.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

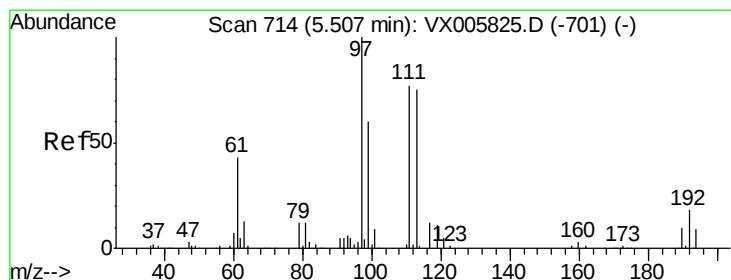
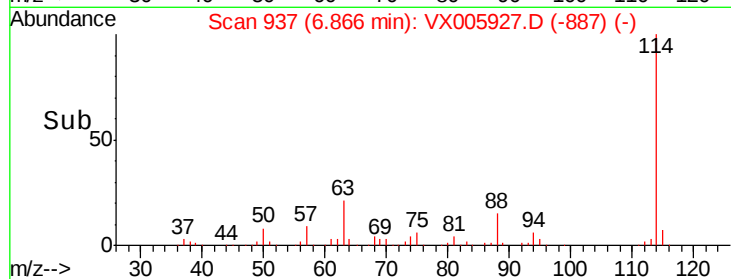
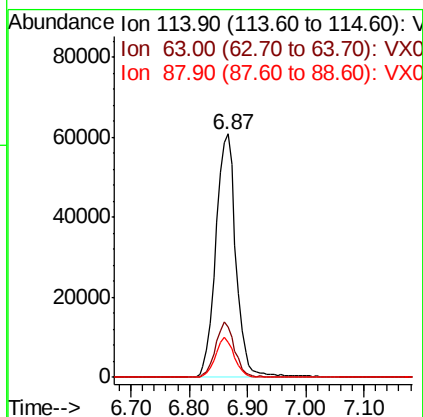
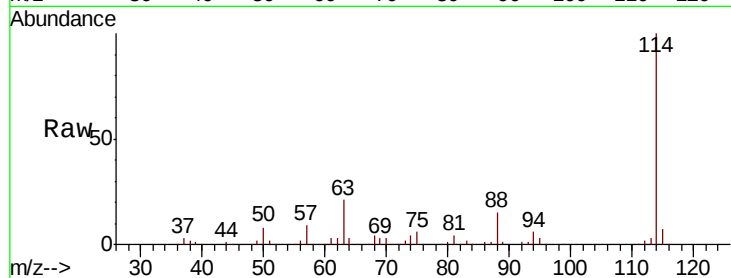




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005927.D
 Acq: 13 Nov 2018 03:59

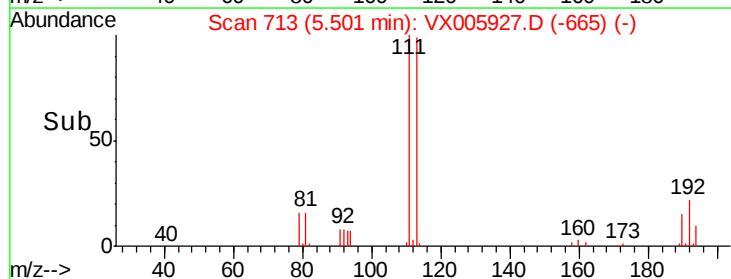
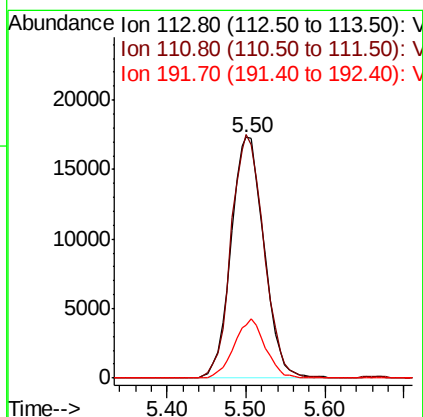
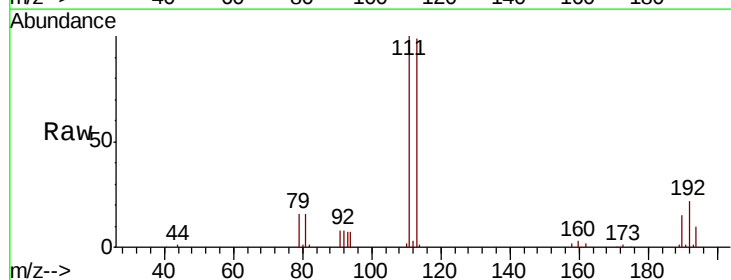
Instrument :
 MSVOA_X
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 PN-STONE

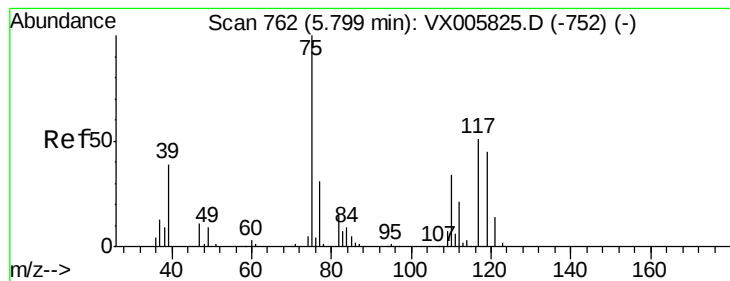
Tot Ion:114 Resp: 146285
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 14.6 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005927.D
 Acq: 13 Nov 2018 03:59

Tgt Ion:113 Resp: 50383
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.3 123.5
 192 23.0 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampled :

PN-STONE

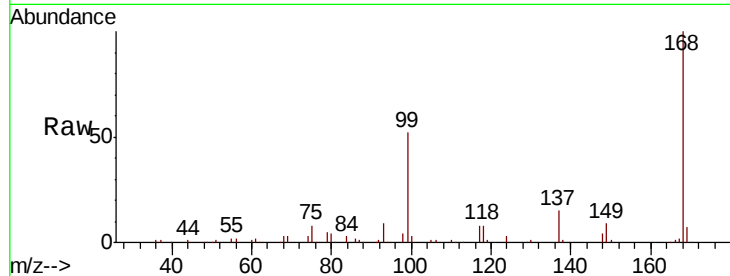
Tot Ion: 75 Resp: 7050

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.2#

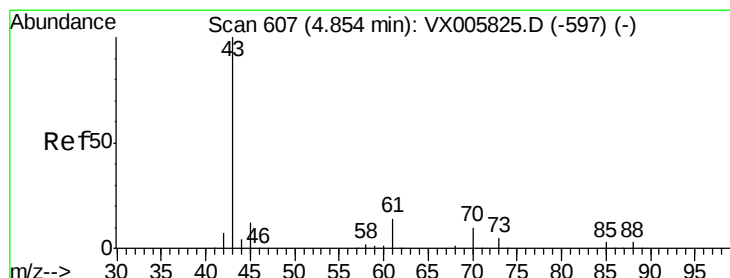
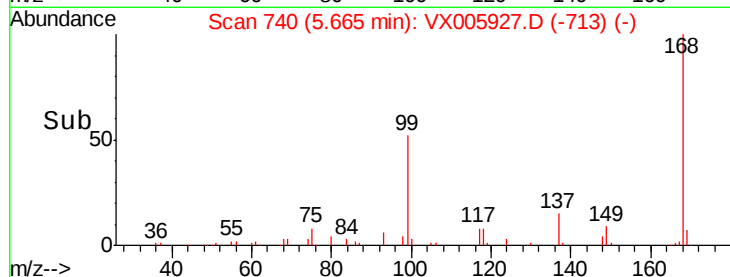
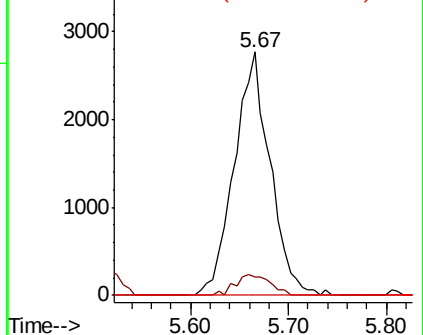
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.052 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

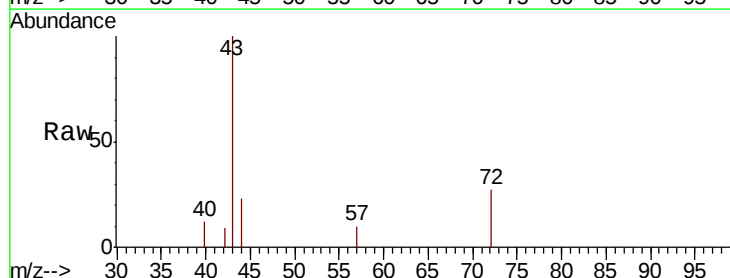
Tgt Ion: 43 Resp: 1950

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

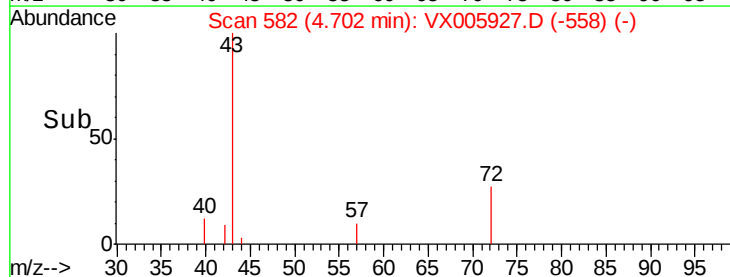
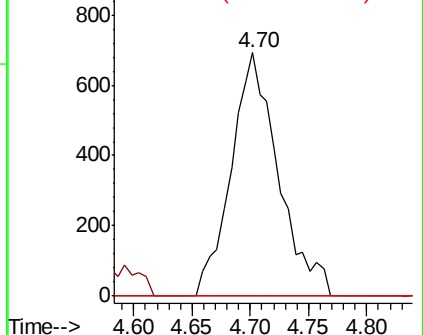
70 0.0 7.8 11.8#

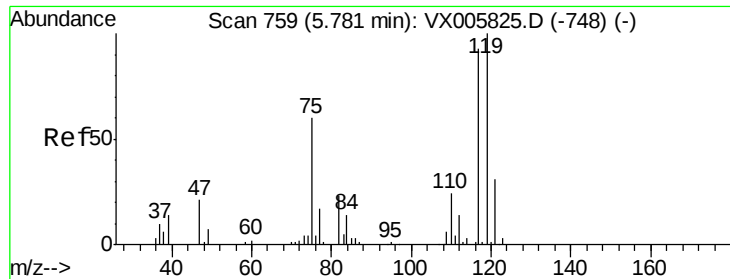


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

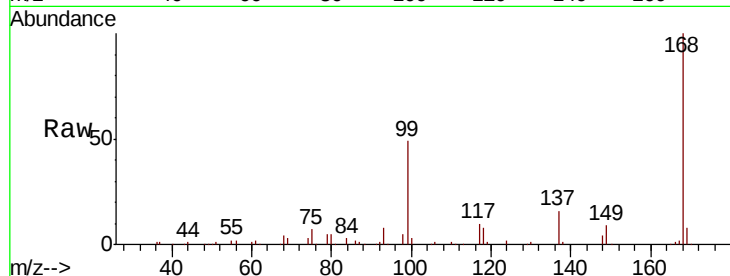




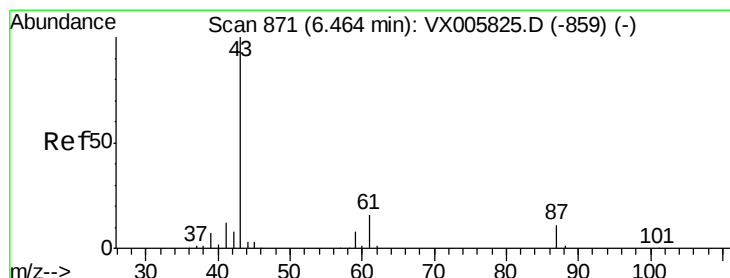
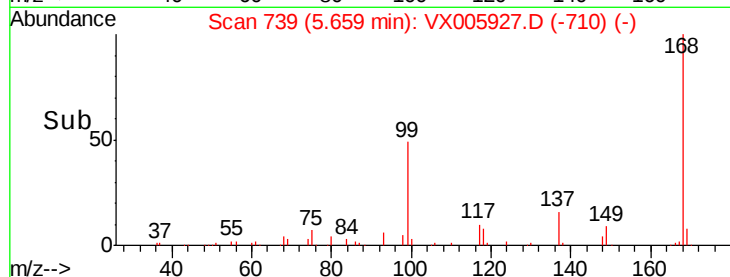
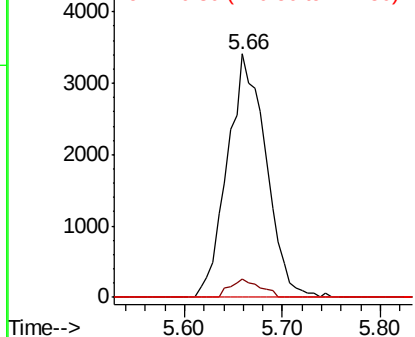
#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Instrument :
MSVOA_X
ClientSampled :
PN-STONE

Tot Ion:117 Resp: 9363
Ion Ratio Lower Upper
117 100
119 7.6 78.1 117.1#
121 0.0 24.6 36.8#

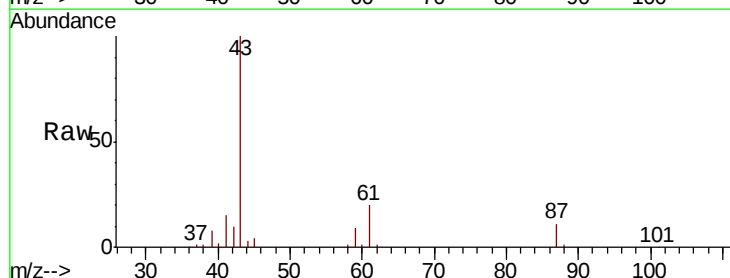


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

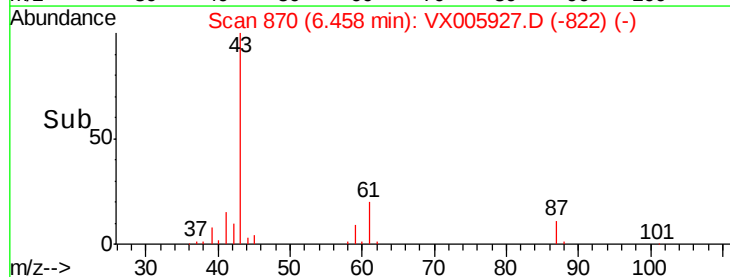
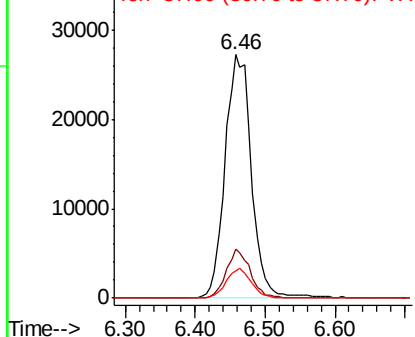


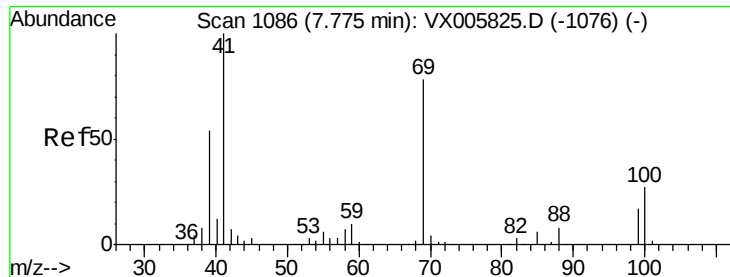
#43
Isopropyl Acetate
Concen: 26.584 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Tgt Ion: 43 Resp: 71436
Ion Ratio Lower Upper
43 100
61 18.4 14.6 22.0
87 11.5 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

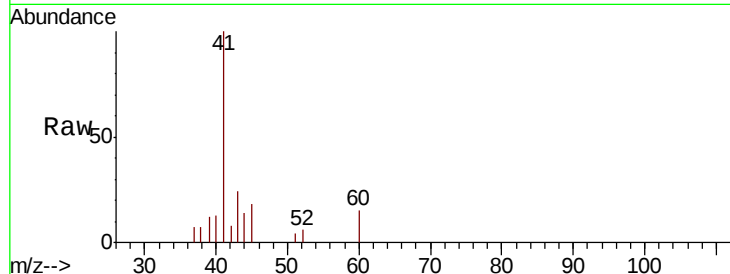




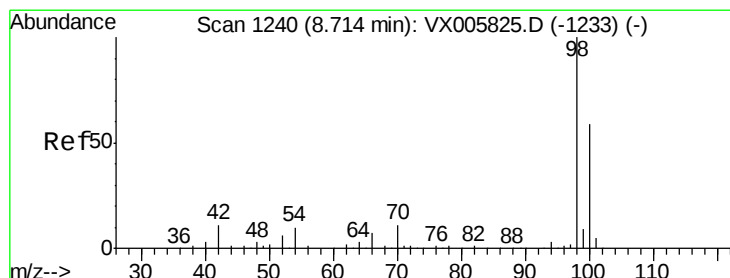
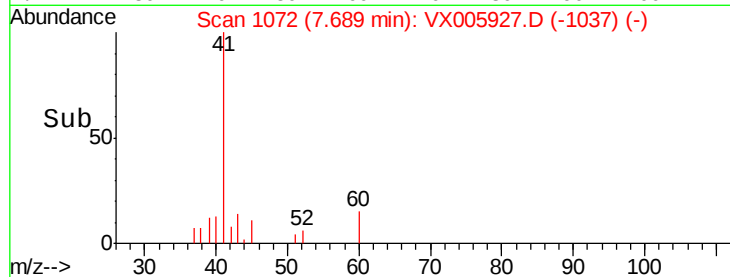
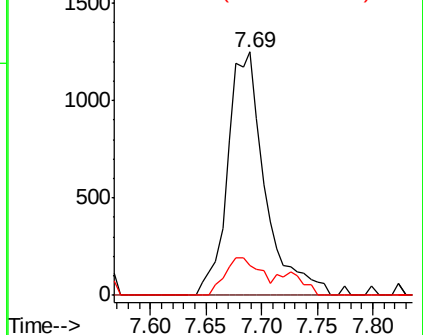
#48
Methvl methacrylate
Concen: 2.413 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Instrument :
MSVOA_X
ClientSampleId :
PN-STONE

Tot Ion: 41 Resp: 2912
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 14.5 42.2 63.2#

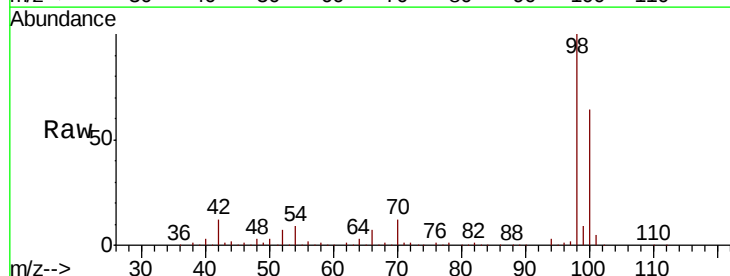


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

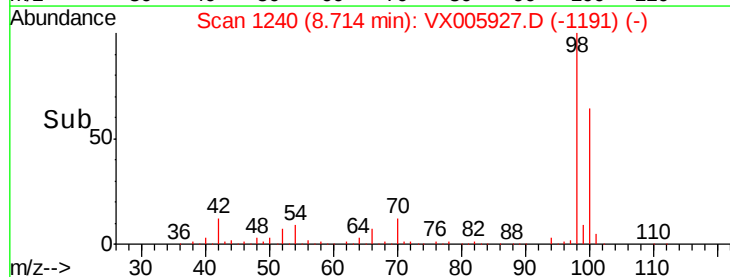
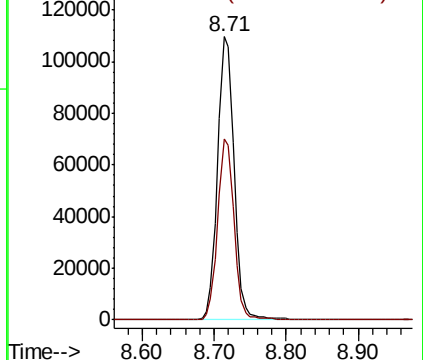


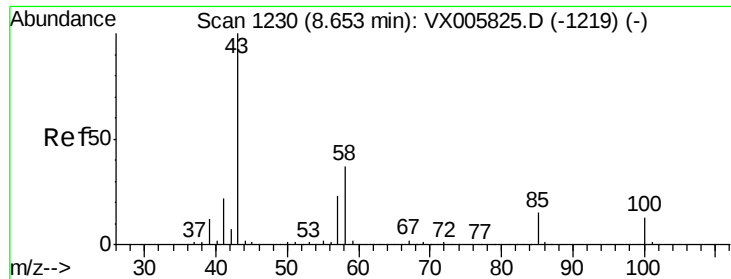
#50
Toluene-d8
Concen: 52.813 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Tgt Ion: 98 Resp: 174695
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.912 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

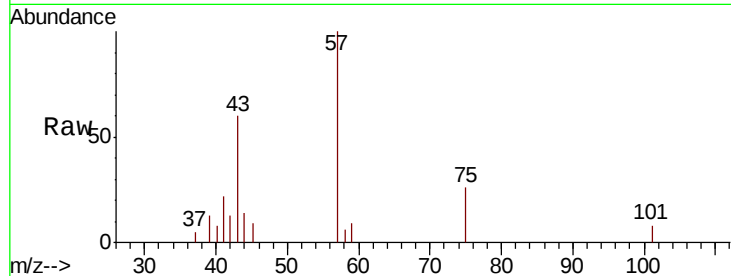
PN-STONE

Tot Ion: 43 Resp: 1545

Ion Ratio Lower Upper

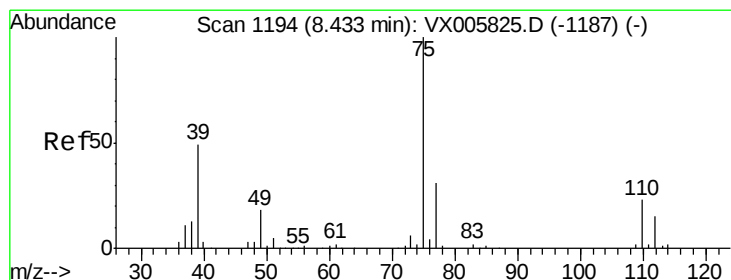
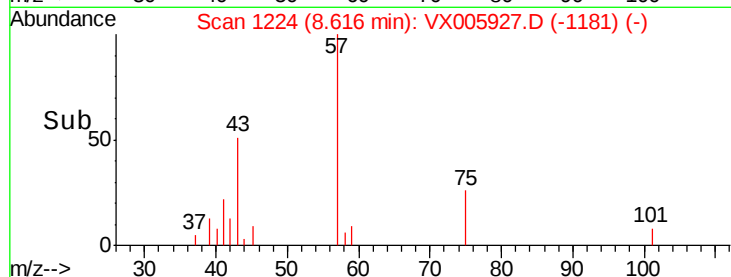
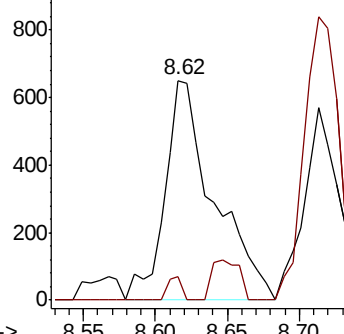
43 100

58 3.1 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.306 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

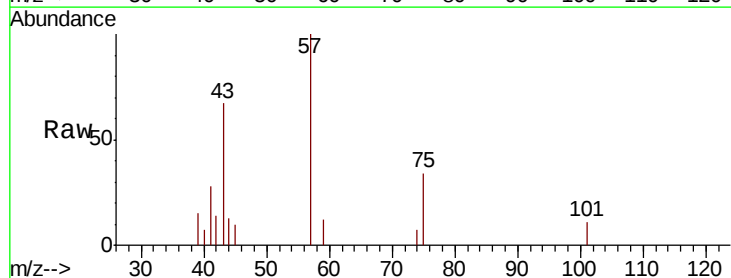
Tgt Ion: 75 Resp: 435

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

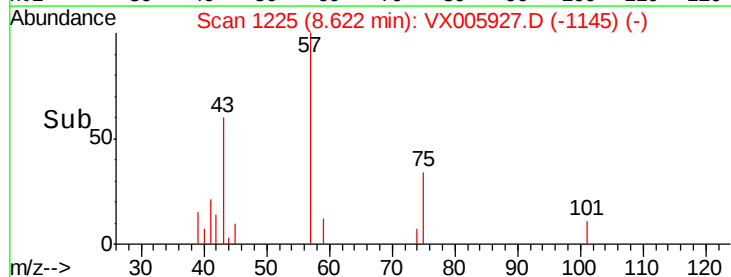
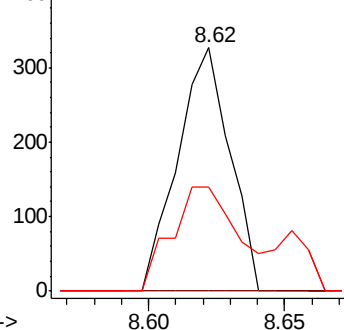
39 42.8 38.2 57.2

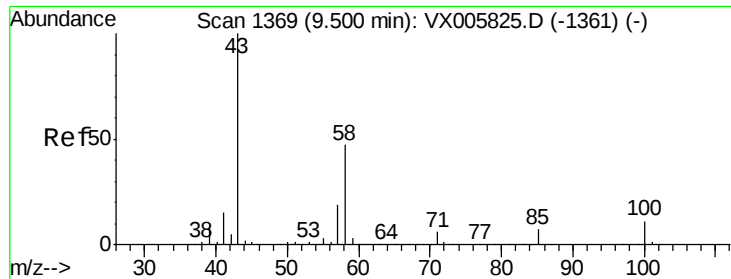


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

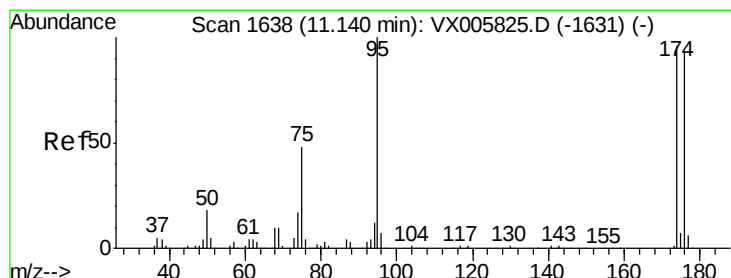
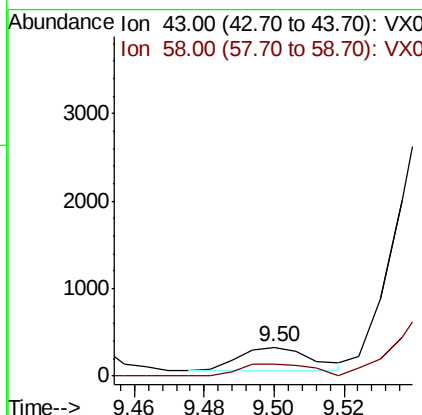
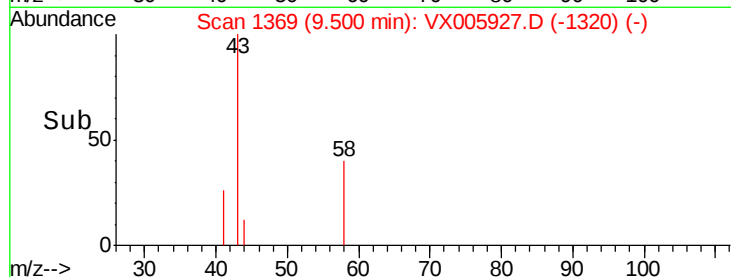
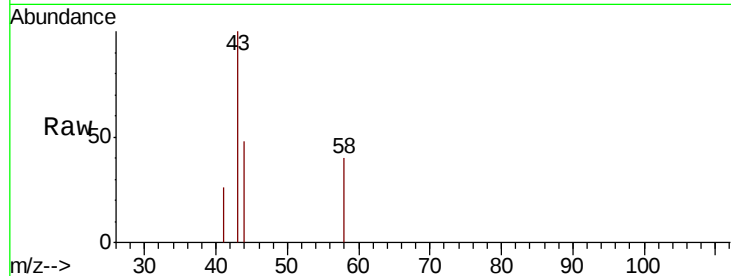




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

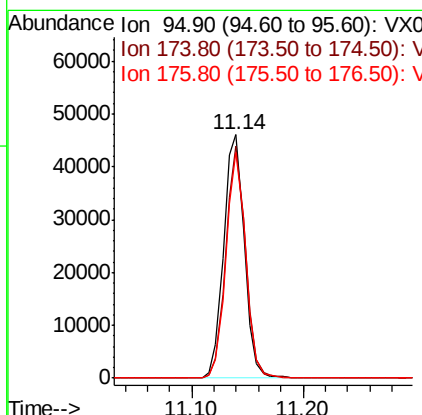
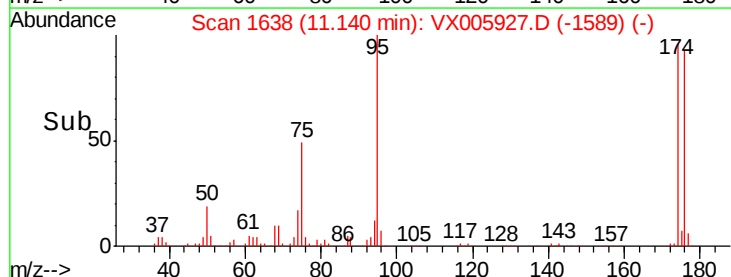
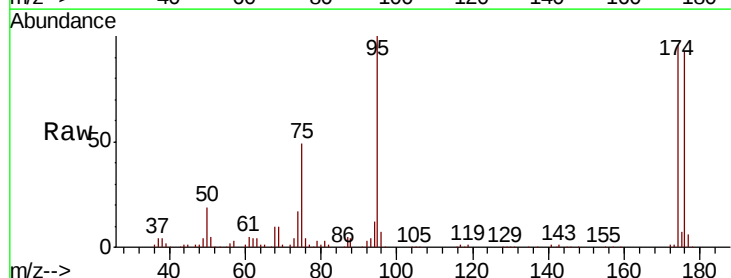
Instrument :
MSVOA_X
ClientSampleId :
PN-STONE

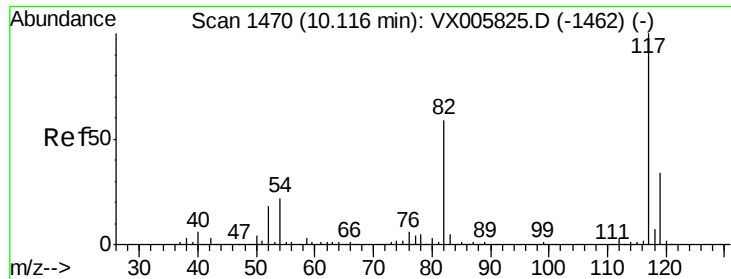
Tot Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 49.816 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Tgt Ion: 95 Resp: 59245
Ion Ratio Lower Upper
95 100
174 91.1 0.0 184.4
176 88.2 0.0 177.4

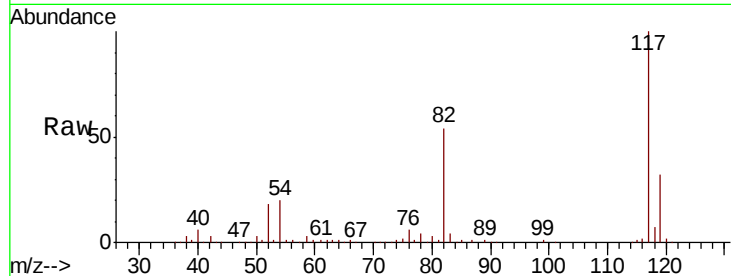




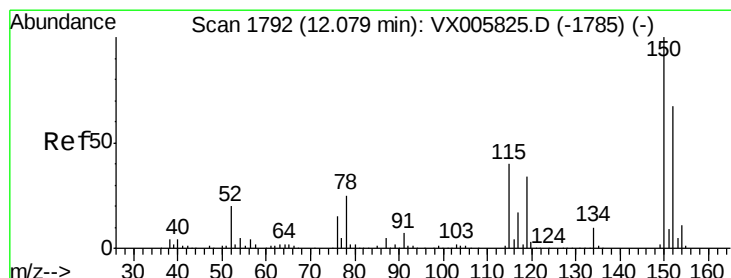
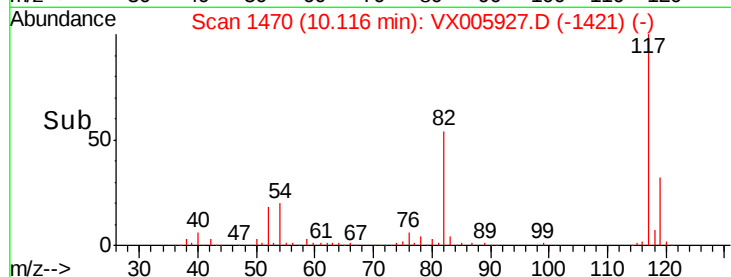
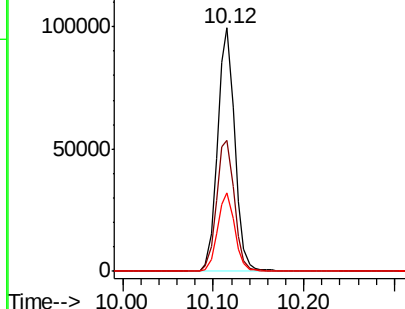
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Instrument :
MSVOA_X
ClientSampled :
PN-STONE

Tot Ion:117 Resp: 132816
Ion Ratio Lower Upper
117 100
82 54.0 44.1 66.1
119 32.5 26.2 39.2

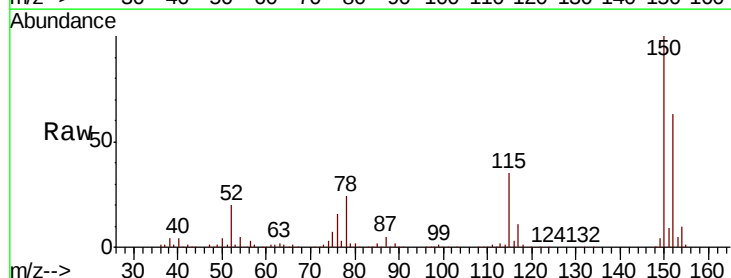


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

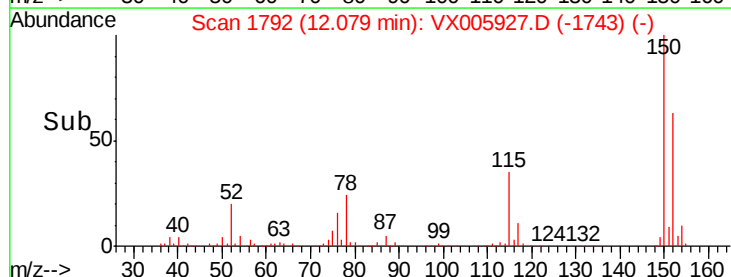
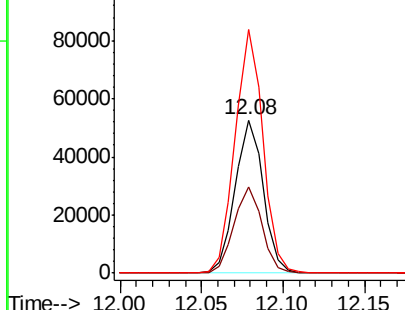


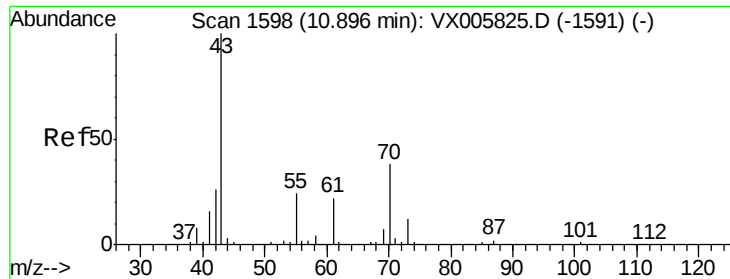
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005927.D
Acq: 13 Nov 2018 03:59

Tgt Ion:152 Resp: 63156
Ion Ratio Lower Upper
152 100
115 56.2 39.4 118.1
150 157.5 0.0 346.4



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-amvl acetate

Concen: 1.282 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampled :

PN-STONE

Tot Ion: 43 Resp: 65

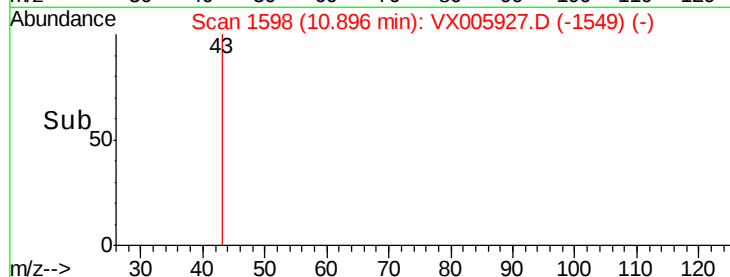
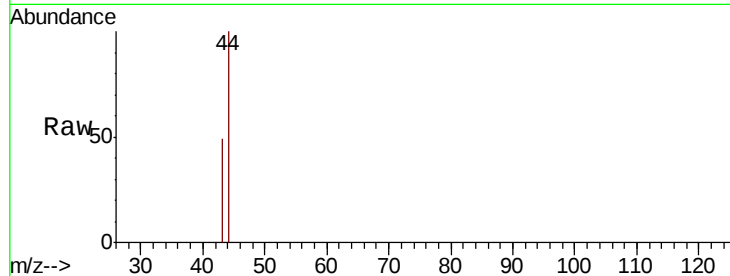
Ion Ratio Lower Upper

43 100

70 35.4 31.6 47.4

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

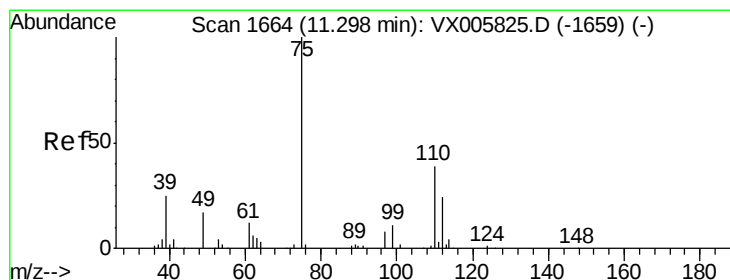
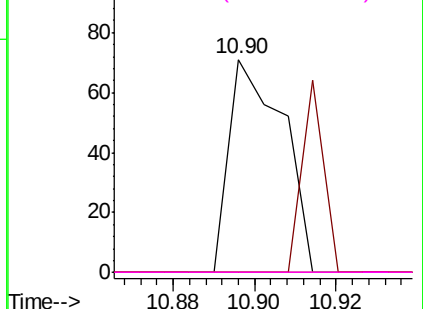


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.387 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005927.D

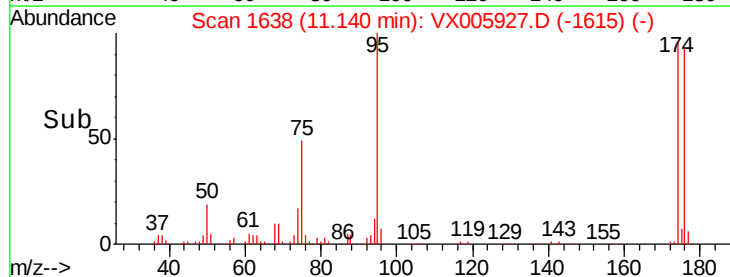
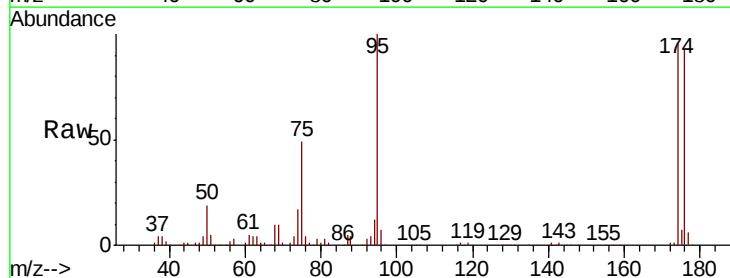
Acq: 13 Nov 2018 03:59

Tgt Ion: 75 Resp: 30075

Ion Ratio Lower Upper

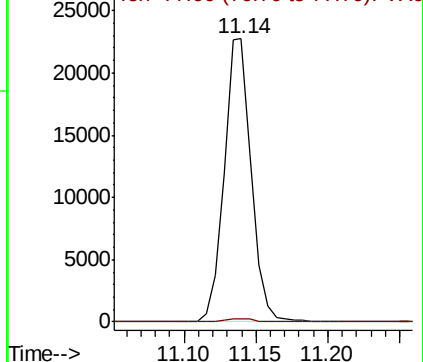
75 100

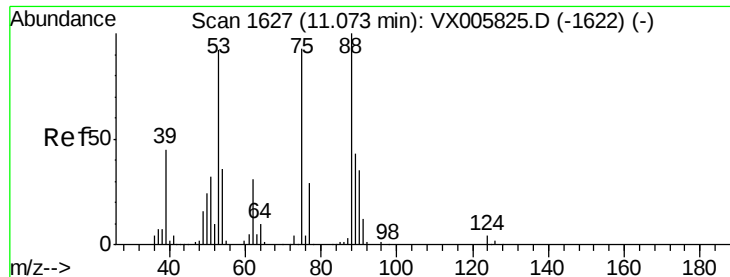
77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.537 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

Instrument :

MSVOA_X

ClientSampleId :

PN-STONE

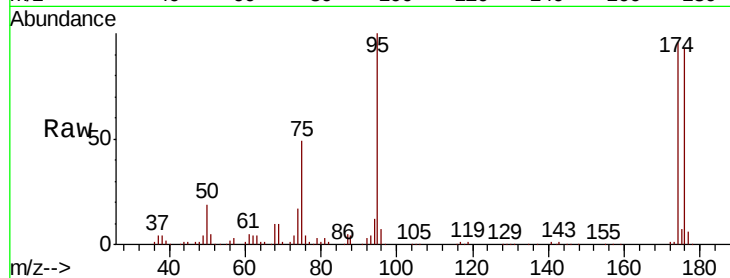
Tot Ion: 75 Resp: 30075

Ion Ratio Lower Upper

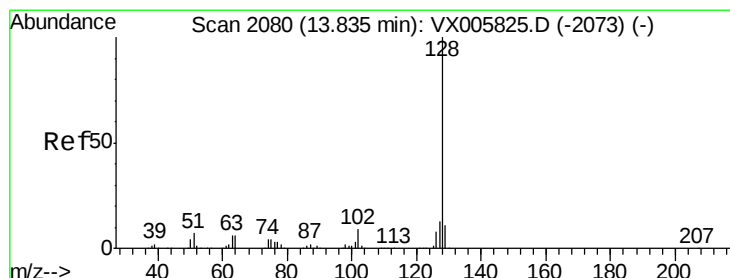
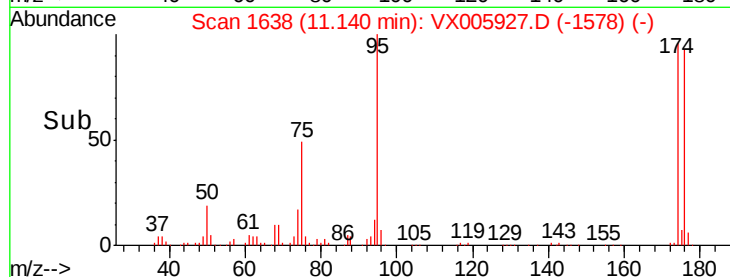
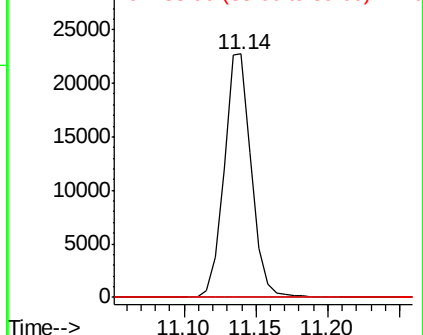
75 100

53 0.0 80.2 120.2#

89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 3.533 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005927.D

Acq: 13 Nov 2018 03:59

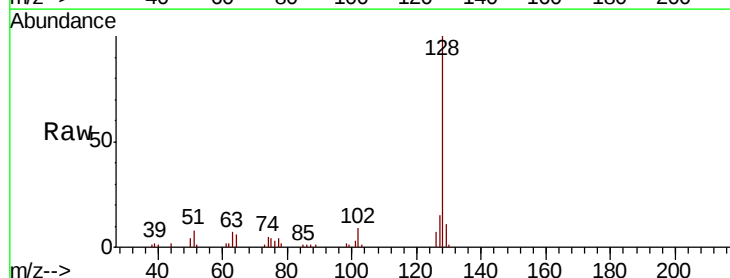
Tgt Ion: 128 Resp: 10959

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.0 8.7 13.1



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

