

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052730.D
 Acq On : 7 Dec 2018 16:46
 Operator : MD\SY
 Sample : J6214-55
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Quant Time: Dec 07 22:21:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	3451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	813440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	676007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	7110	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	292008	7771.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15542.66%	
35) Dibromofluoromethane	7.59	113	2210	0.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.88%	
50) Toluene-d8	10.09	98	938493	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	269302	41.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	67	2.073	ug/l #	41
3) Chloromethane	2.07	50	384	9.003	ug/l #	42
4) Vinyl Chloride	2.19	62	4822	110.053	ug/l	92
5) Bromomethane	2.57	94	538	19.679	ug/l	93
6) Chloroethane	2.66	64	65	2.449	ug/l #	43
10) Methyl Iodide	3.94	142	401	8.965	ug/l #	62
12) 1,1-Dichloroethene	3.74	96	99	3.062	ug/l #	1
13) Acrolein	3.64	56	72	22.022	ug/l #	14
14) Allyl chloride	4.32	41	99	1.777	ug/l #	1
16) Acetone	3.82	43	5484	553.335	ug/l	94
17) Carbon Disulfide	4.06	76	4397	43.222	ug/l	99
18) Methyl Acetate	4.33	43	679	23.884	ug/l #	52
19) Methyl tert-butyl Ether	5.05	73	17643	205.128	ug/l #	84
20) Methylene Chloride	4.54	84	826	21.298	ug/l #	79
21) trans-1,2-Dichloroethene	5.05	96	752	21.781	ug/l #	53
23) Vinyl Acetate	5.91	43	30	0.412	ug/l #	73
25) 2-Butanone	6.82	43	168	11.959	ug/l #	50
27) cis-1,2-Dichloroethene	6.83	96	8602	213.884	ug/l	86
28) Bromochloromethane	7.20	49	231088	7571.600	ug/l	95
29) Tetrahydrofuran	7.20	42	232	25.605	ug/l #	35
30) Chloroform	7.37	83	128358	1925.351	ug/l	96
31) Cyclohexane	7.65	56	436	6.423	ug/l #	68
43) Isopropyl Acetate	8.24	43	30721	3.872	ug/l #	52
44) Trichloroethene	8.84	130	6126	1.045	ug/l	93
47) Bromodichloromethane	9.40	83	12262	1.674	ug/l	92
49) 1,4-Dioxane	9.19	88	29	0.675	ug/l #	1
60) Dibromochloromethane	10.90	129	2744	0.528	ug/l	99
64) Tetrachloroethene	10.63	164	22991	4.387	ug/l	96
71) Bromoform	12.13	173	2298	0.716	ug/l #	92
73) Isopropylbenzene	12.25	105	1023	1.834	ug/l #	69
74) N-amyl acetate	12.08	43	346	2.455	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	126960	1157.970	ug/l #	100
77) Bromobenzene	12.53	156	63	0.457	ug/l #	1
78) n-propylbenzene	12.60	91	1445	2.280	ug/l	82

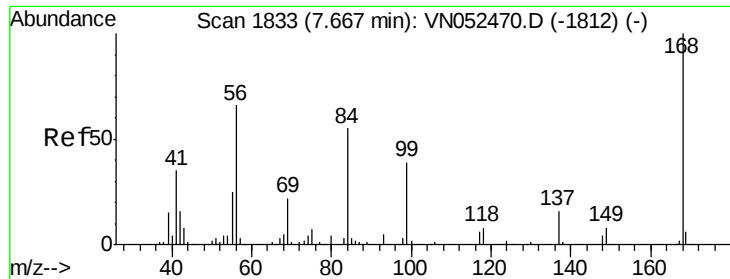
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052730.D
 Acq On : 7 Dec 2018 16:46
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Quant Time: Dec 07 22:21:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.68	91	552	1.463	ug/l	70
80) 1,3,5-Trimethylbenzene	12.73	105	410	0.922	ug/l #	51
81) trans-1,4-Dichloro-2-buten	12.40	75	126960	3867.073	ug/l #	11
82) 4-Chlorotoluene	12.68	91	552	1.451	ug/l	71
83) tert-Butylbenzene	13.00	119	343	0.865	ug/l #	79
84) 1,2,4-Trimethylbenzene	13.05	105	598	1.341	ug/l	81
85) sec-Butylbenzene	13.17	105	621	1.150	ug/l #	57
86) p-Isopropyltoluene	13.29	119	355	0.772	ug/l #	70
87) 1,3-Dichlorobenzene	13.28	146	457	1.895	ug/l	76
88) 1,4-Dichlorobenzene	13.37	146	1117	4.702	ug/l	80
89) n-Butylbenzene	13.62	91	712	1.861	ug/l #	48
90) Hexachloroethane	13.99	117	194	2.490	ug/l #	6
91) 1,2-Dichlorobenzene	13.65	146	555	2.409	ug/l	85
93) 1,2,4-Trichlorobenzene	14.91	180	203	4.347	ug/l	73
94) Hexachlorobutadiene	15.01	225	61	0.823	ug/l #	18
95) Naphthalene	15.13	128	2553	12.312	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	346	5.546	ug/l #	53

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

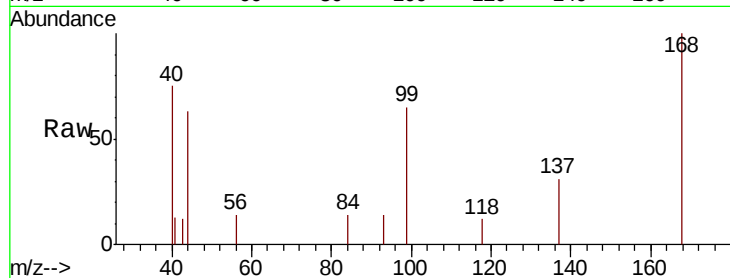
TW-2

Tot Ion:168 Resp: 3451

Ion Ratio Lower Upper

168 100

99 65.2 41.7 62.5#



Abundance Ion 167.90 (167.60 to 168.60): VN052730.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052730.D (-1740) (-)

7.66

1500

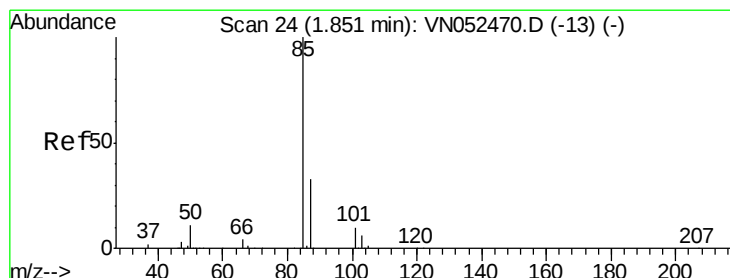
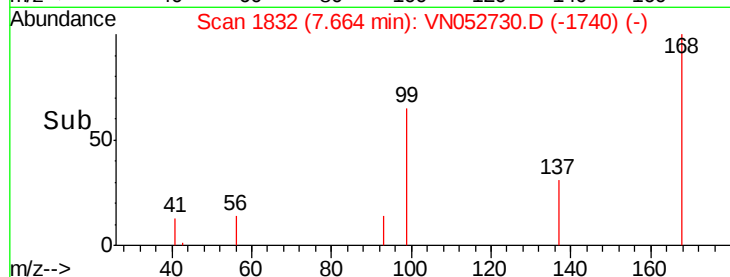
1000

500

0

7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 2.073 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN052730.D

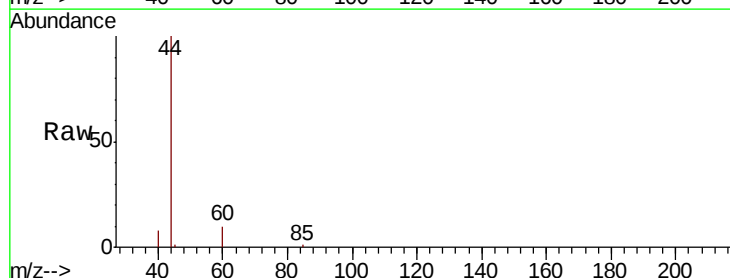
Acq: 7 Dec 2018 16:46

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VN052730.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN052730.D (-1) (-)

1.85

200

150

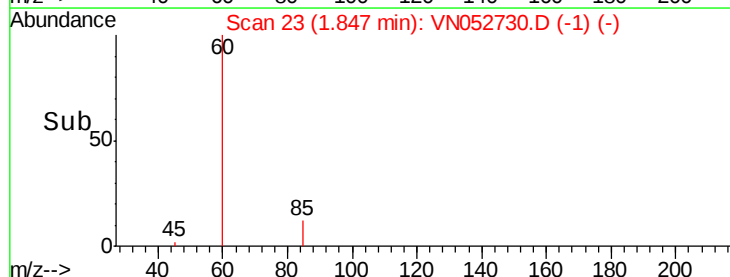
100

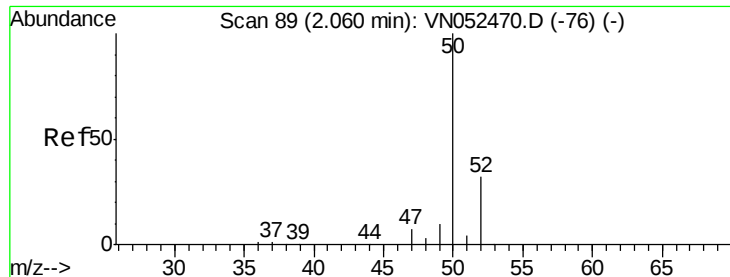
50

0

1.84 1.84 1.85 1.85 1.86

Time-->





#3

Chloromethane

Concen: 9.003 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.01 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

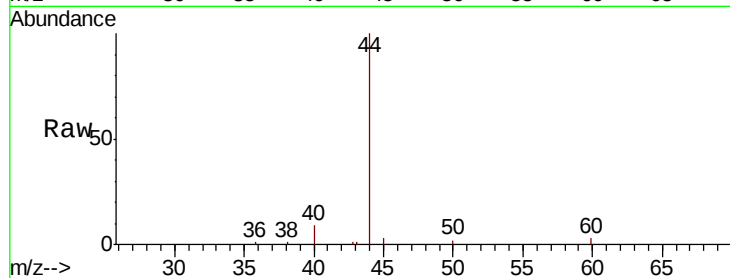
TW-2

Tot Ion: 50 Resp: 384

Ion Ratio Lower Upper

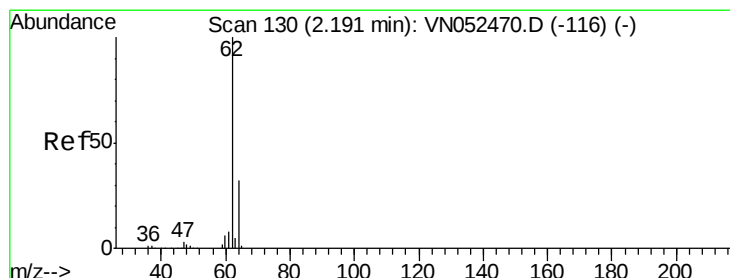
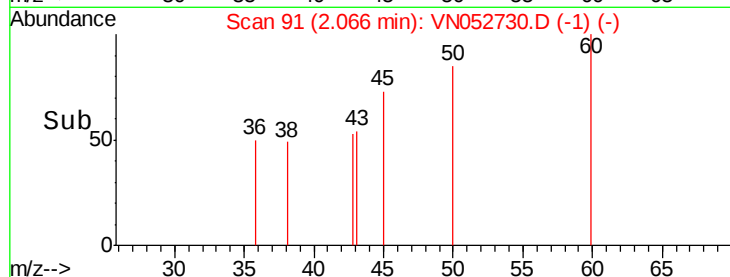
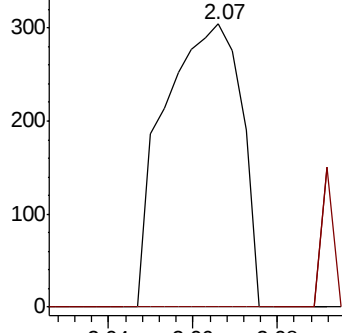
50 100

52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 110.053 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052730.D

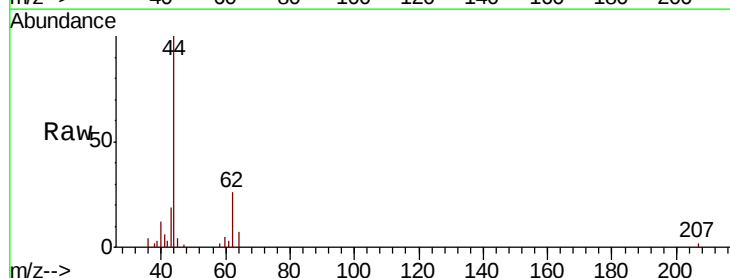
Acq: 7 Dec 2018 16:46

Tgt Ion: 62 Resp: 4822

Ion Ratio Lower Upper

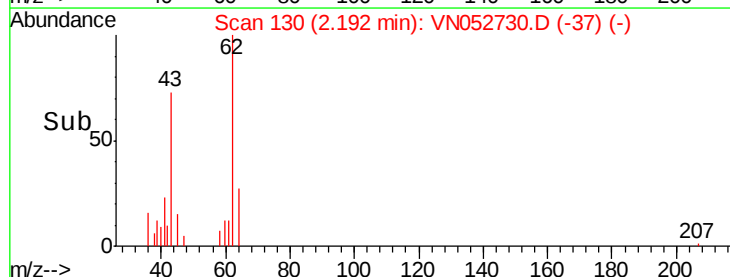
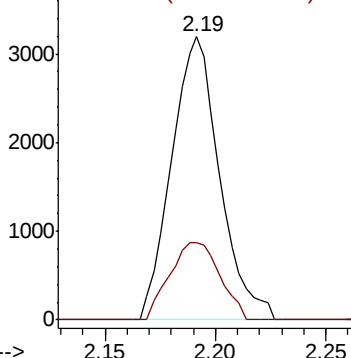
62 100

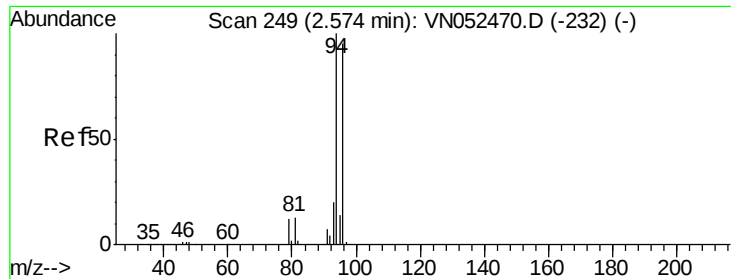
64 27.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.679 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

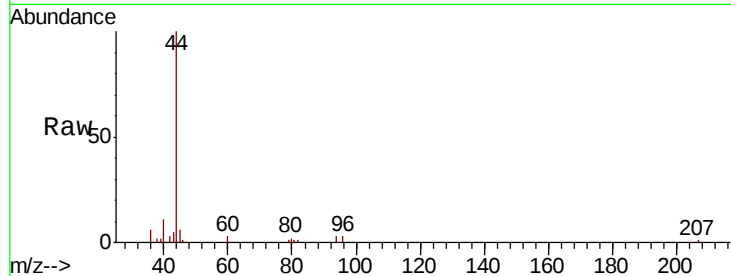
TW-2

Tot Ion: 94 Resp: 538

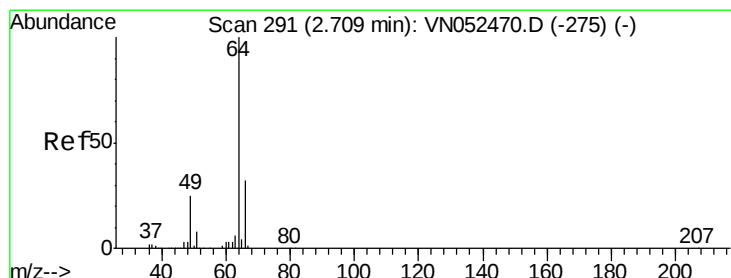
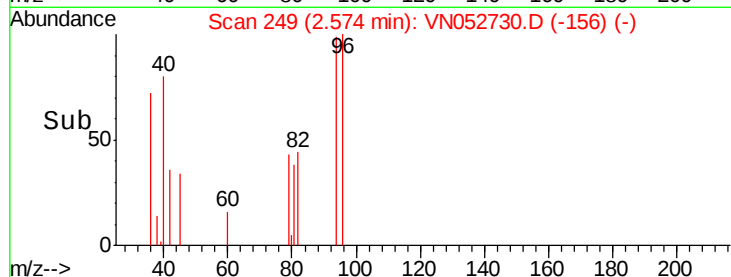
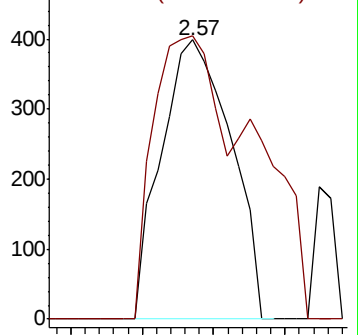
Ion Ratio Lower Upper

94 100

96 101.3 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052730.D (-156) (-)



#6

Chloroethane

Concen: 2.449 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.05 min

Lab File: VN052730.D

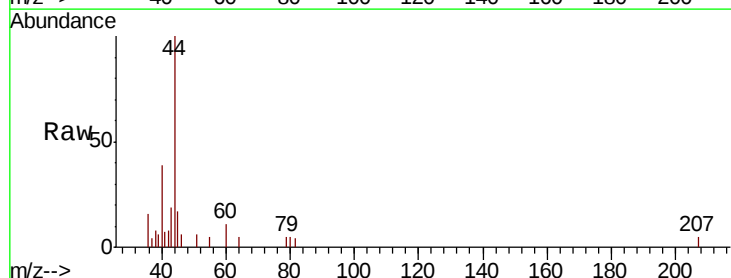
Acq: 7 Dec 2018 16:46

Tgt Ion: 64 Resp: 65

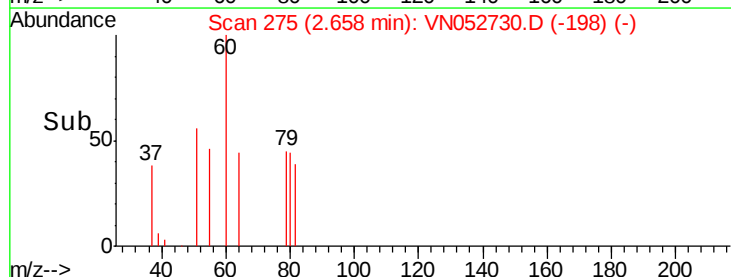
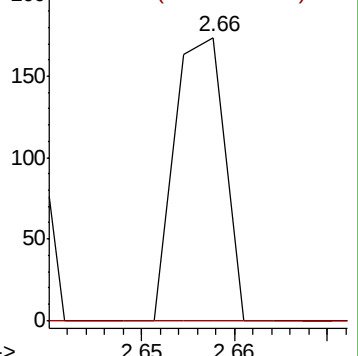
Ion Ratio Lower Upper

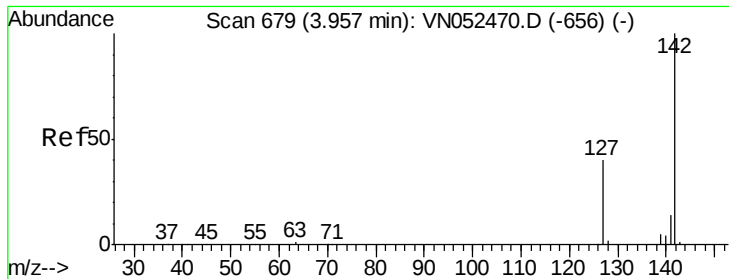
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN052730.D (-198) (-)

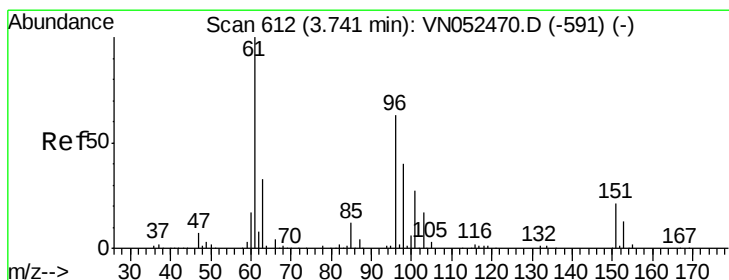
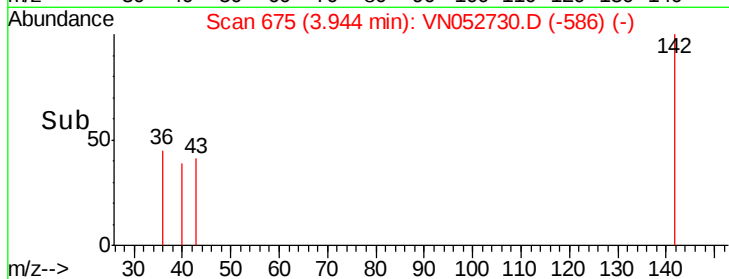
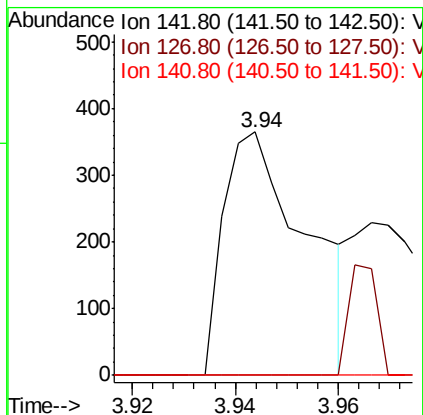
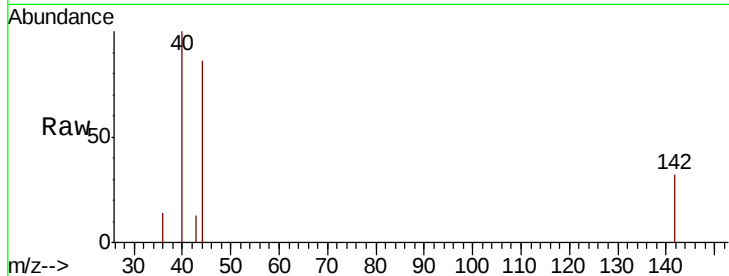




#10
Methyl Iodide
Concen: 8.965 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

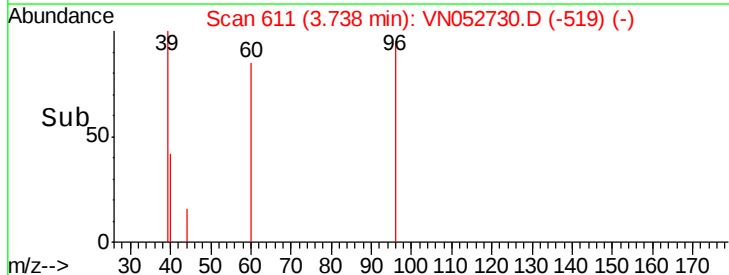
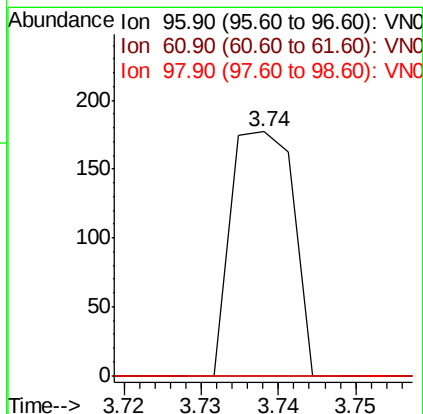
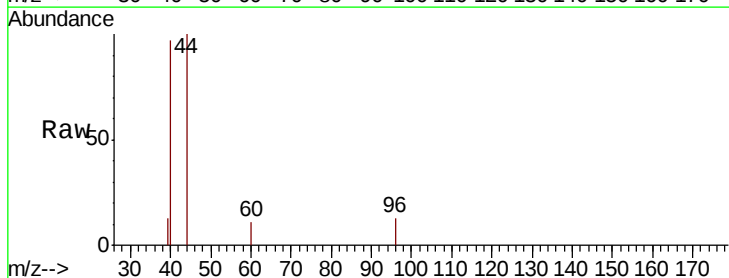
Instrument :
MSVOA_N
ClientSampled :
TW-2

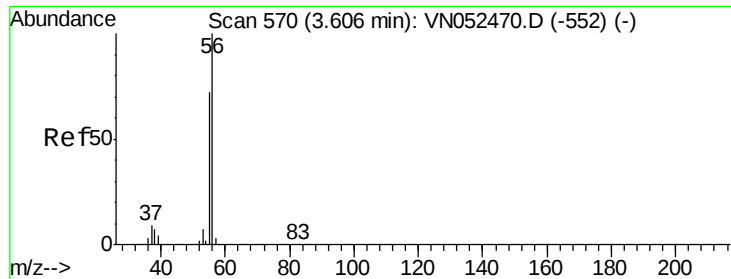
Tot Ion: 142 Resp: 401
Ion Ratio Lower Upper
142 100
127 15.5 31.8 47.6#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 3.062 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 96 Resp: 99
Ion Ratio Lower Upper
96 100
61 0.0 127.0 190.6#
98 0.0 50.3 75.5#





#13

Acrolein

Concen: 22.022 ug/l

RT: 3.64 min Scan# 580

Delta R.T. 0.03 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

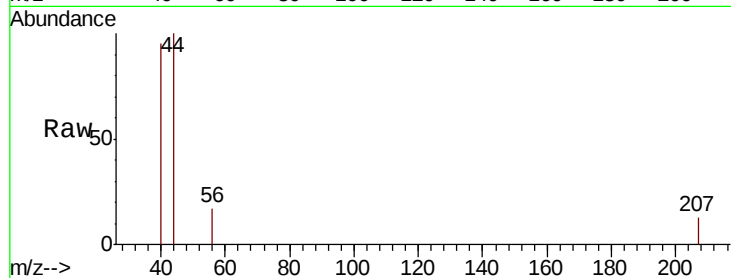
TW-2

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

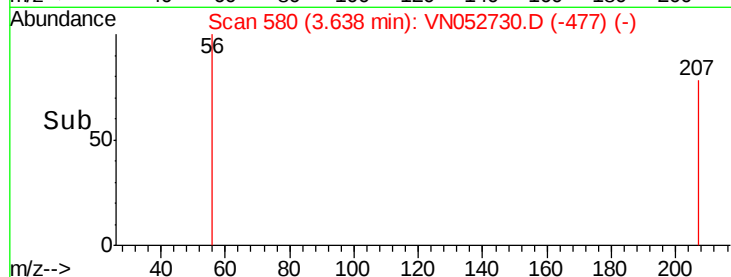
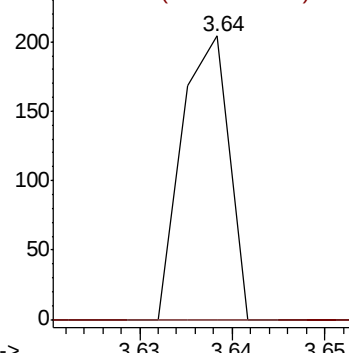
56 100

55 0.0 56.8 85.2#

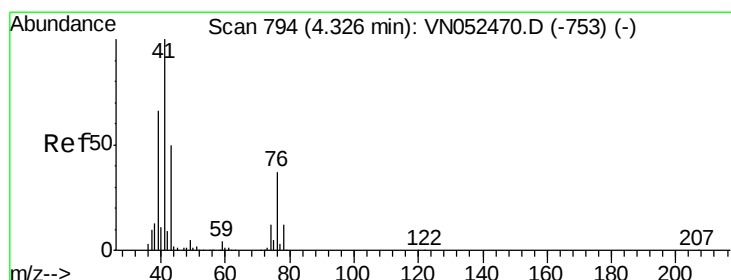


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 1.777 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

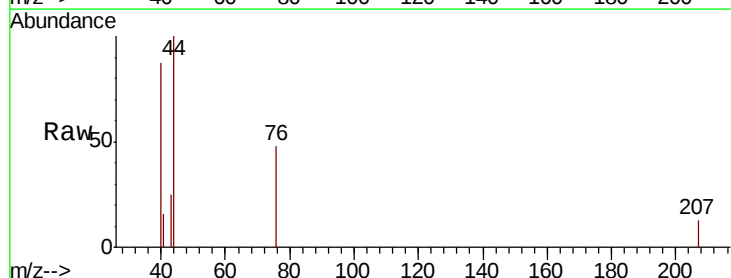
Tgt Ion: 41 Resp: 99

Ion Ratio Lower Upper

41 100

39 0.0 50.6 76.0#

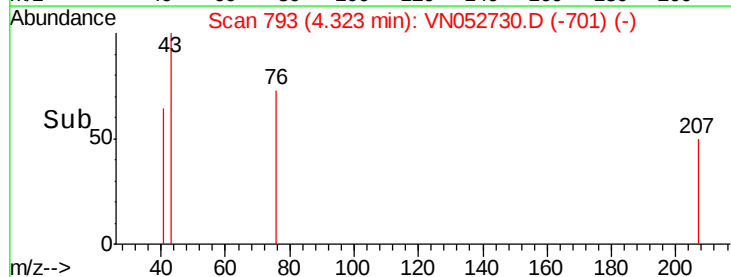
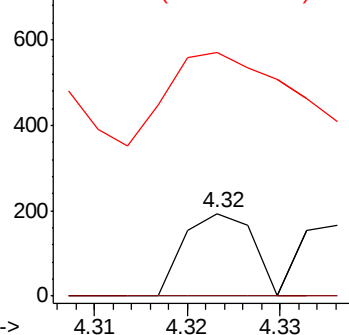
76 328.3 27.4 41.2#



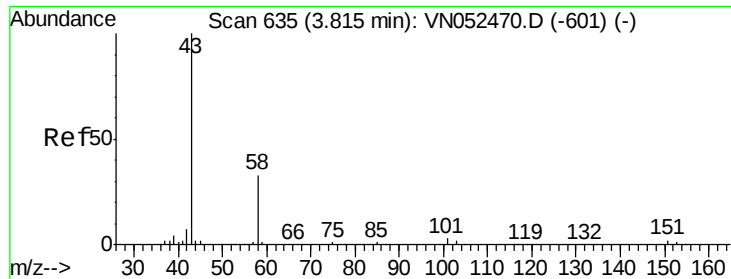
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->



#16

Acetone

Concen: 553.335 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

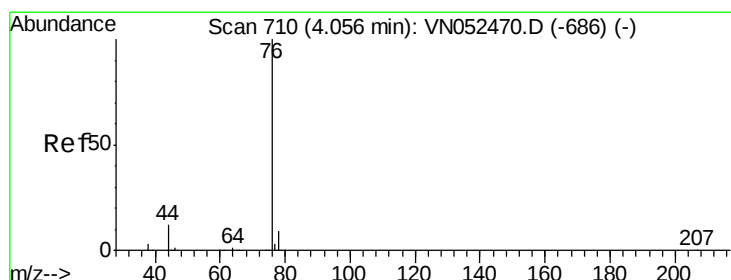
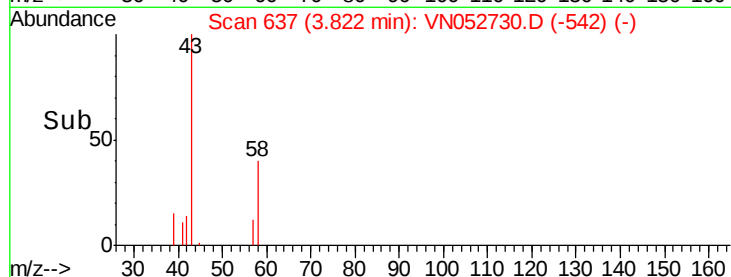
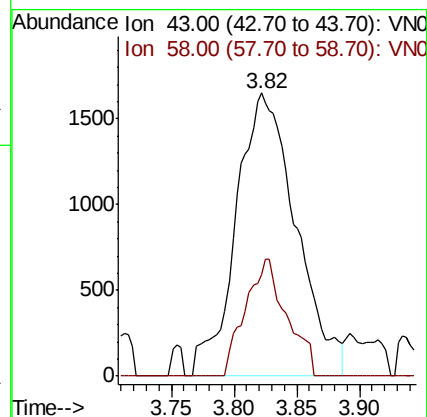
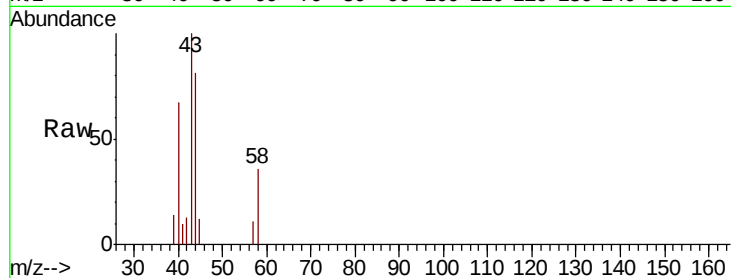
TW-2

Tot Ion: 43 Resp: 5484

Ion Ratio Lower Upper

43 100

58 36.1 26.0 39.0



#17

Carbon Disulfide

Concen: 43.222 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052730.D

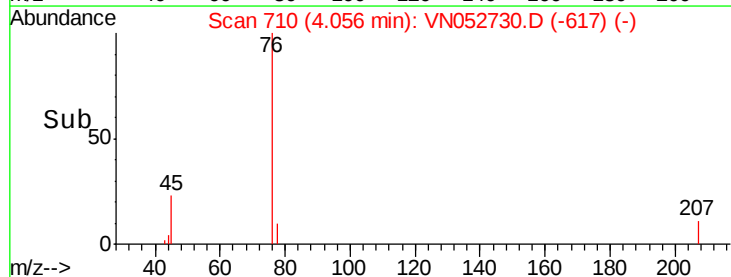
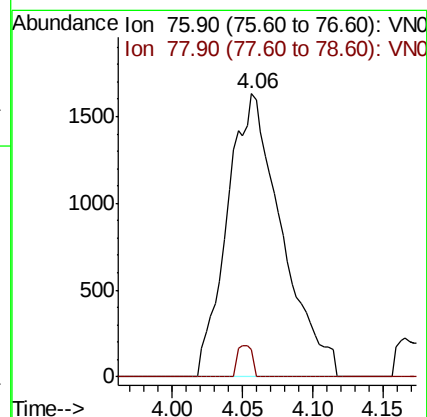
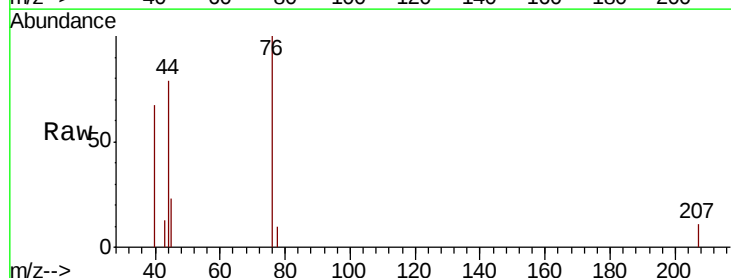
Acq: 7 Dec 2018 16:46

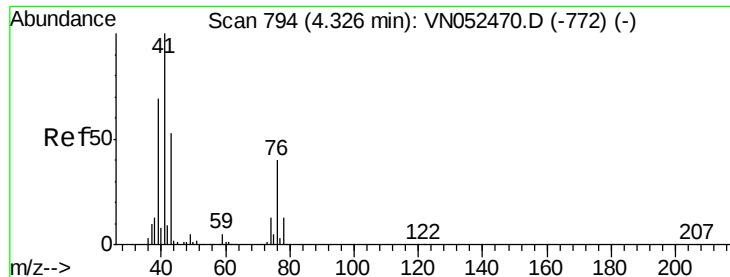
Tgt Ion: 76 Resp: 4397

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

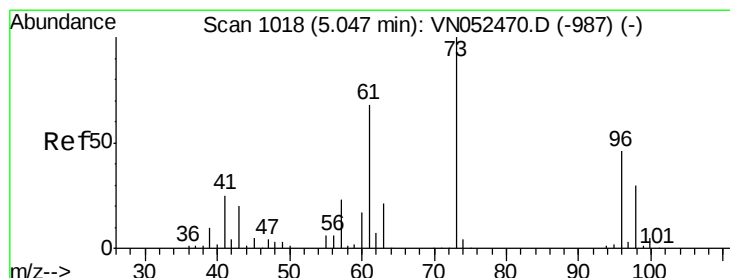
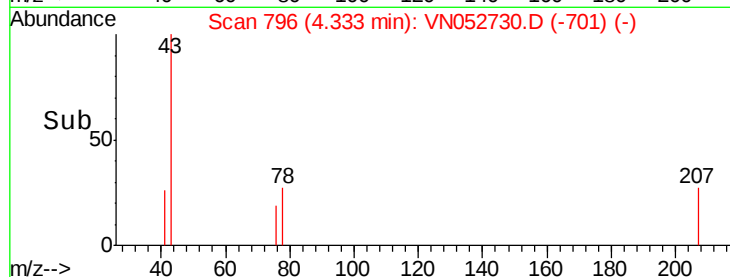
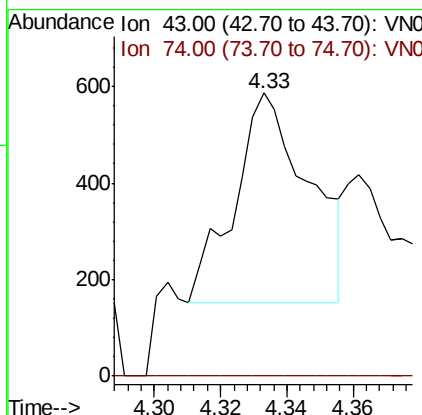
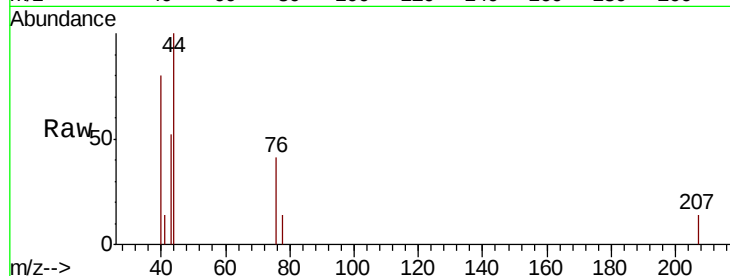




#18
Methyl Acetate
Concen: 23.884 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

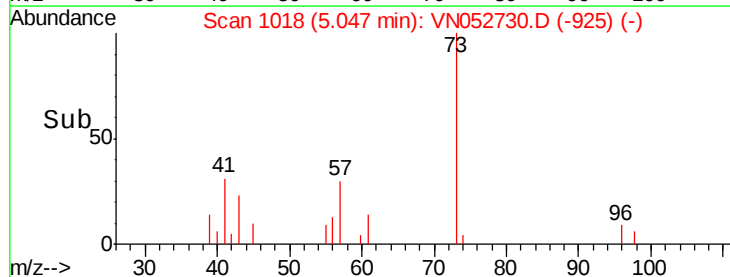
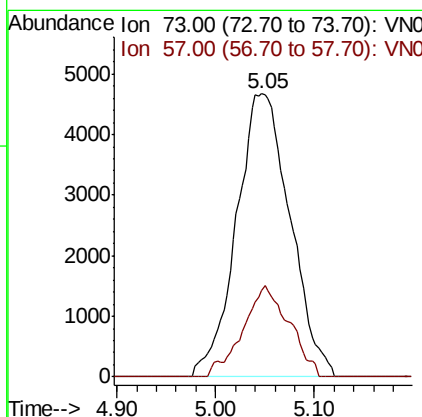
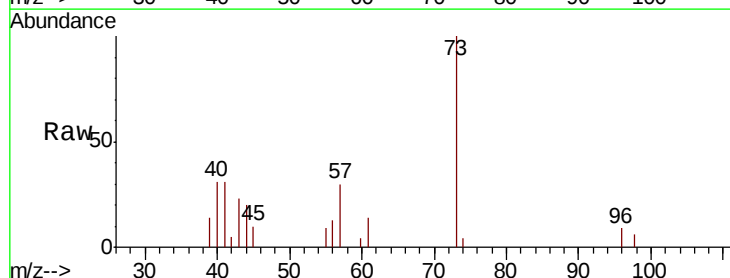
Instrument :
MSVOA_N
ClientSampled :
TW-2

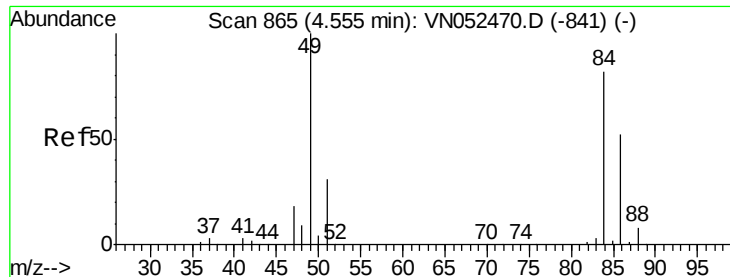
Tot Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 205.128 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 73 Resp: 17643
Ion Ratio Lower Upper
73 100
57 30.5 18.2 27.2#

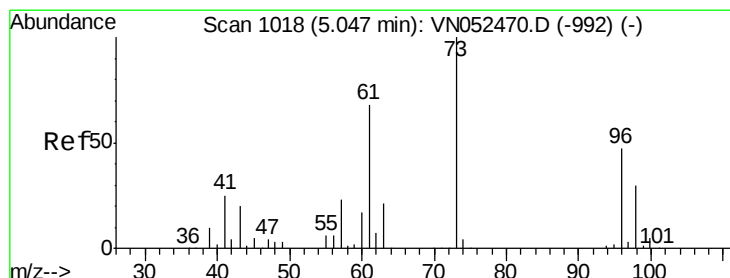
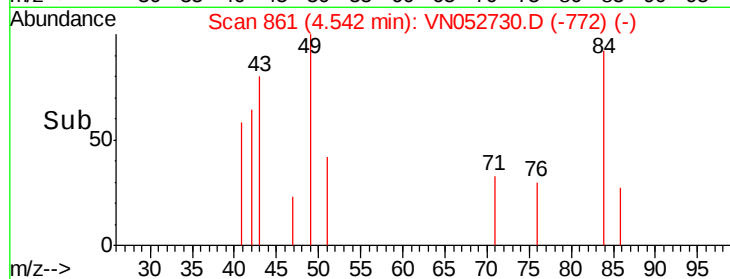
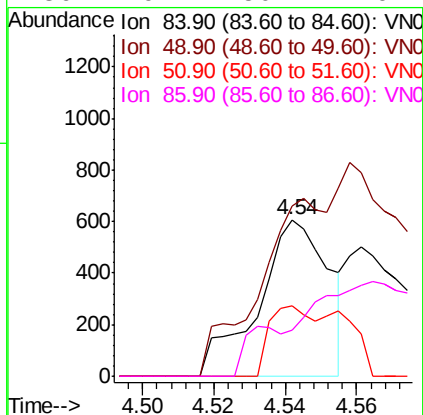
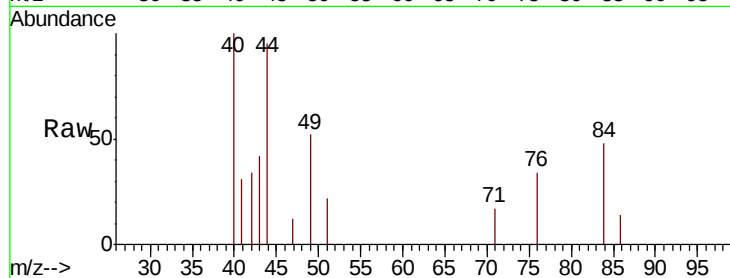




#20
Methylene Chloride
Concen: 21.298 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

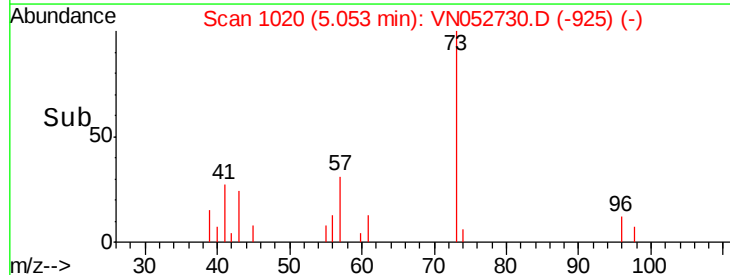
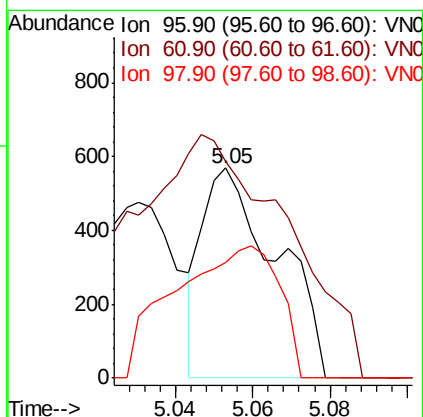
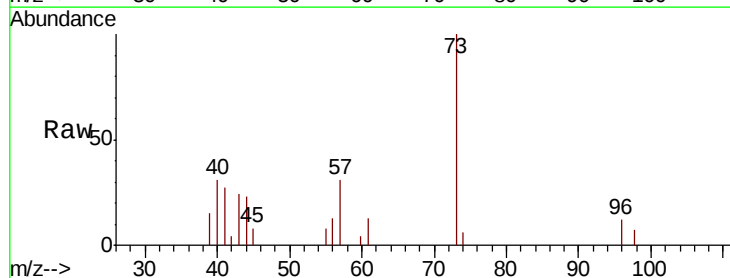
Instrument :
MSVOA_N
ClientSampled :
TW-2

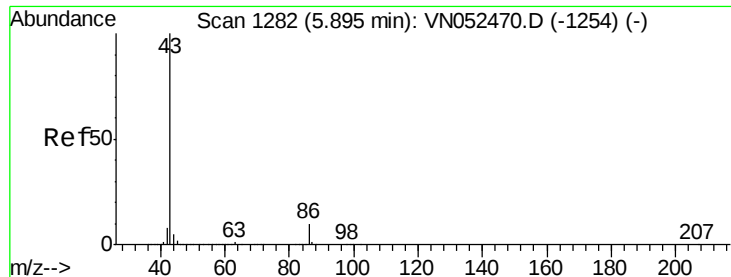
Tot Ion: 84 Resp: 826
Ion Ratio Lower Upper
84 100
49 108.9 98.0 147.0
51 45.2 30.1 45.1#
86 29.1 50.7 76.1#



#21
trans-1,2-Dichloroethene
Concen: 21.781 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 96 Resp: 752
Ion Ratio Lower Upper
96 100
61 67.5 117.0 175.4#
98 55.0 51.8 77.6





#23

Vinyl Acetate

Concen: 0.412 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

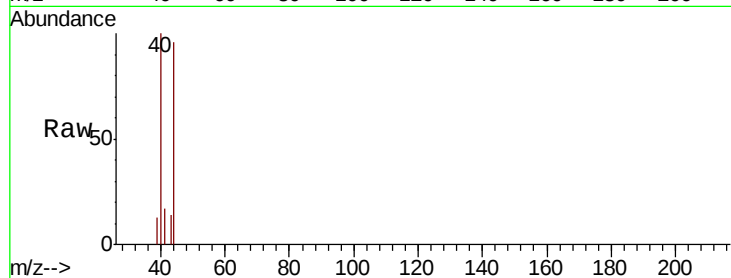
TW-2

Tot Ion: 43 Resp: 30

Ion Ratio Lower Upper

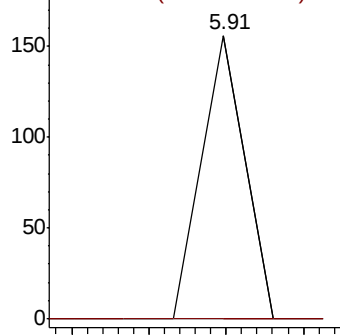
43 100

86 0.0 7.8 11.8#

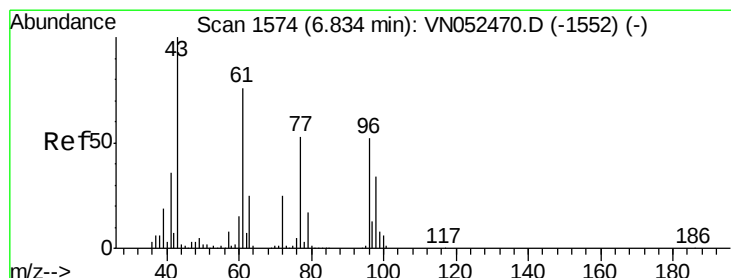
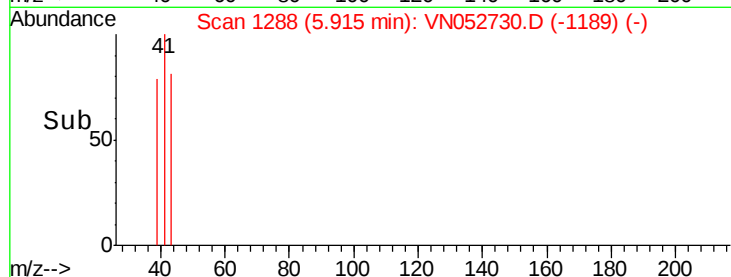


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC



Time-->



#25

2-Butanone

Concen: 11.959 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN052730.D

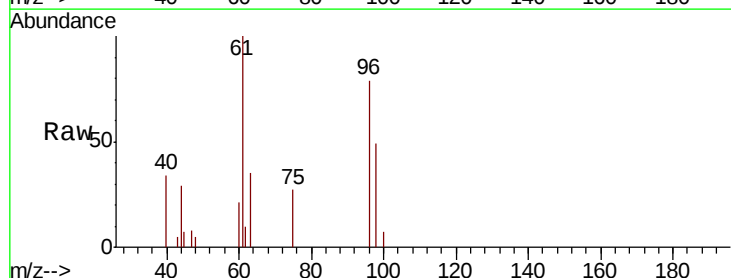
Acq: 7 Dec 2018 16:46

Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

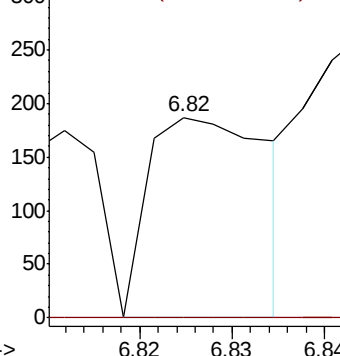
43 100

72 0.0 20.1 30.1#

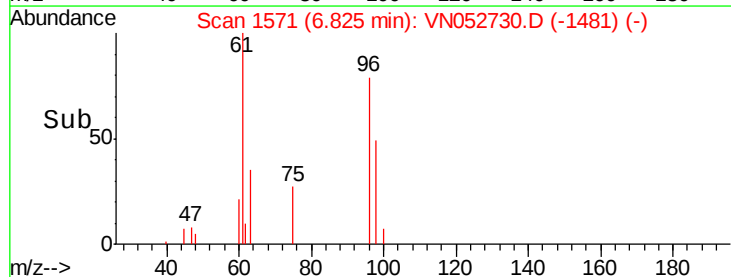


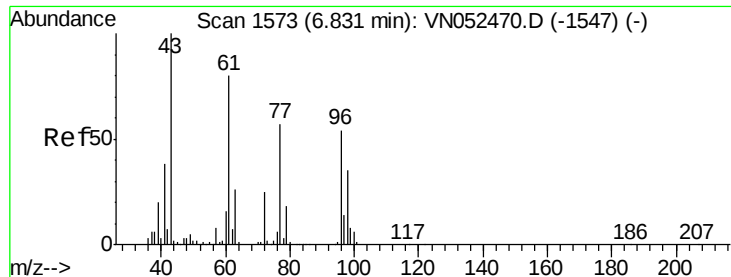
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 213.884 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

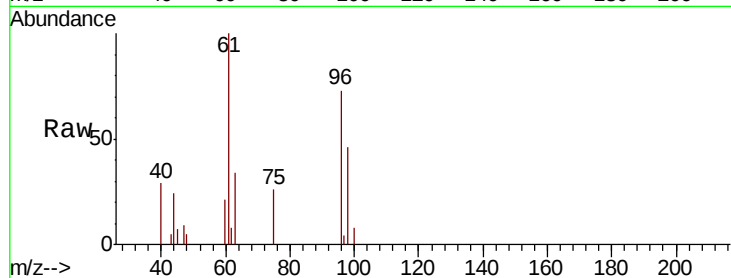
Tot Ion: 96 Resp: 8602

Ion Ratio Lower Upper

96 100

61 122.6 0.0 291.0

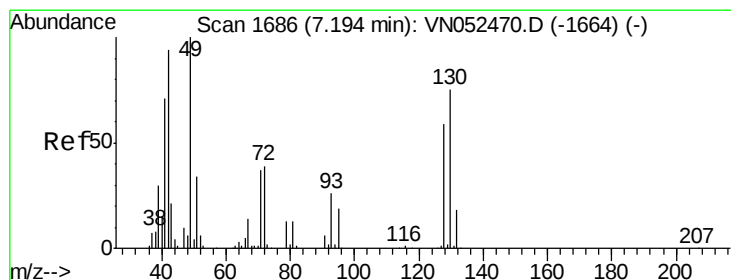
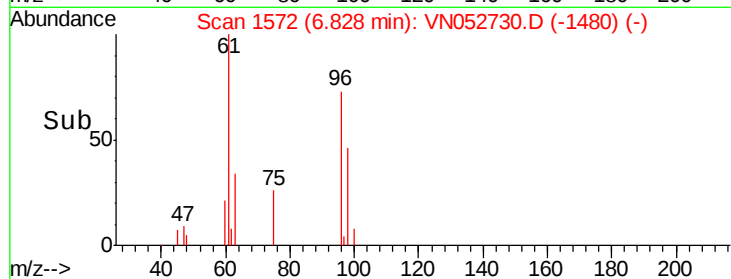
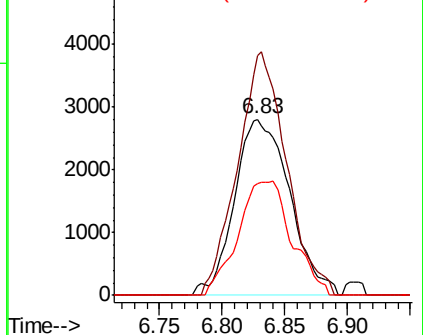
98 62.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN052730.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052730.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052730.D (-1480) (-)



#28

Bromochloromethane

Concen: 7571.600 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

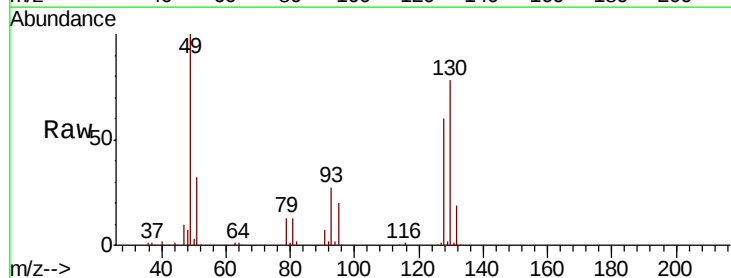
Tgt Ion: 49 Resp: 231088

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

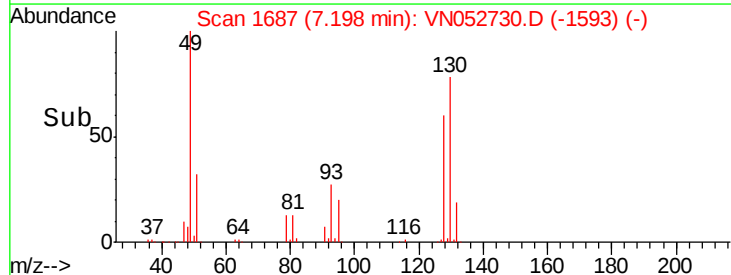
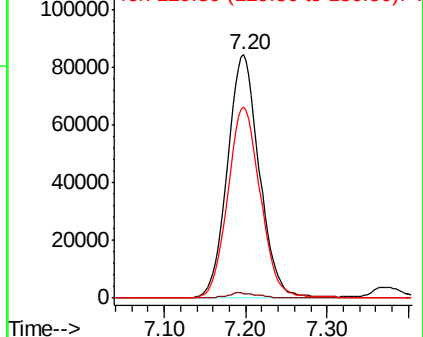
130 79.7 60.2 90.2

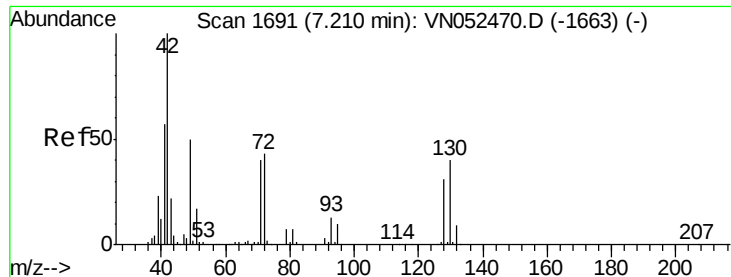


Abundance Ion 48.90 (48.60 to 49.60): VN052730.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052730.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052730.D (-1593) (-)

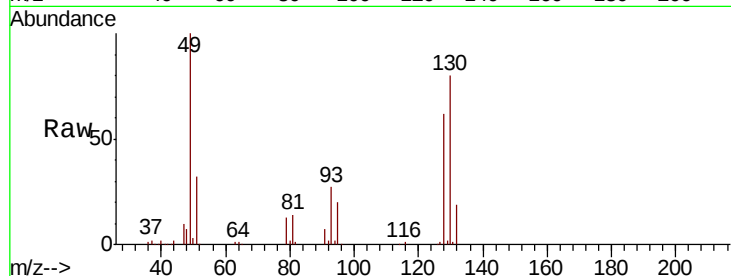




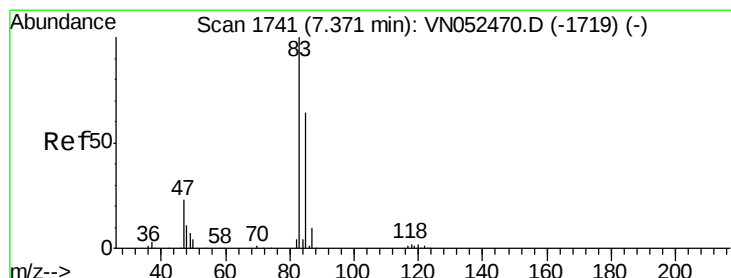
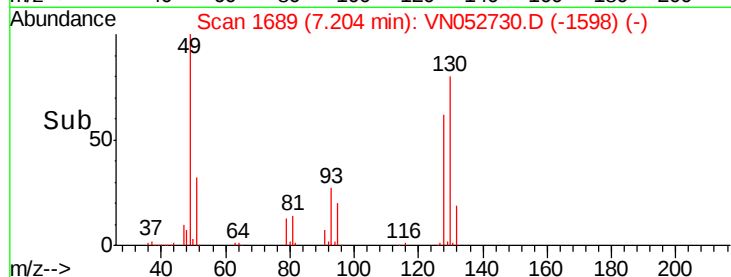
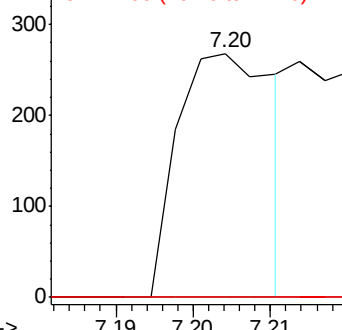
#29
Tetrahydrofuran
Concen: 25.605 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Instrument :
MSVOA_N
ClientSampled :
TW-2

Tot Ion: 42 Resp: 232
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 0.0 32.0 48.0#

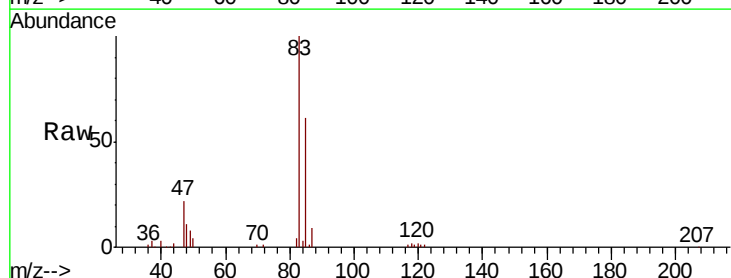


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

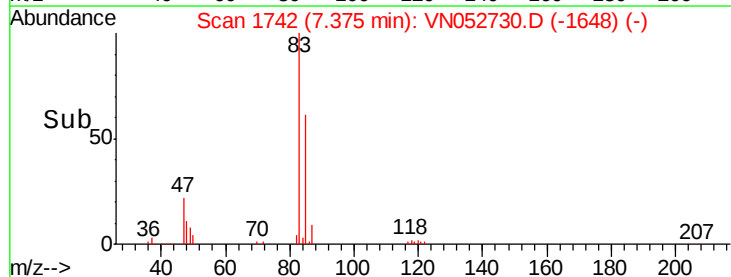
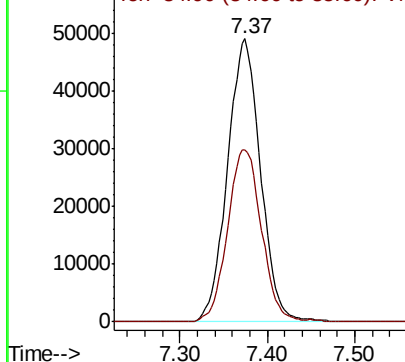


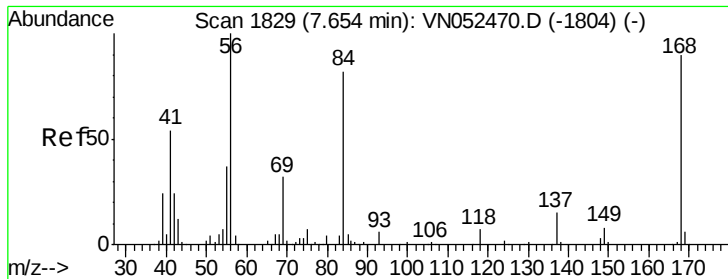
#30
Chloroform
Concen: 1925.351 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 83 Resp: 128358
Ion Ratio Lower Upper
83 100
85 60.8 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

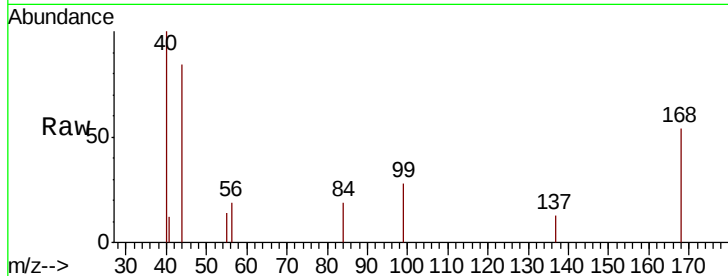




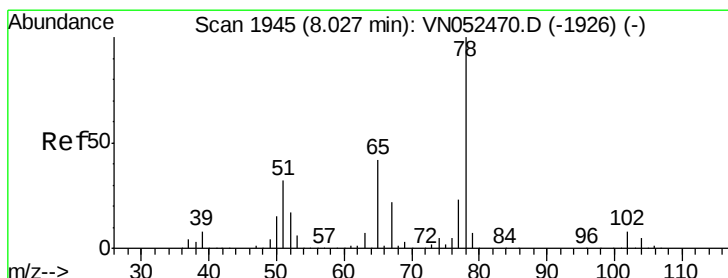
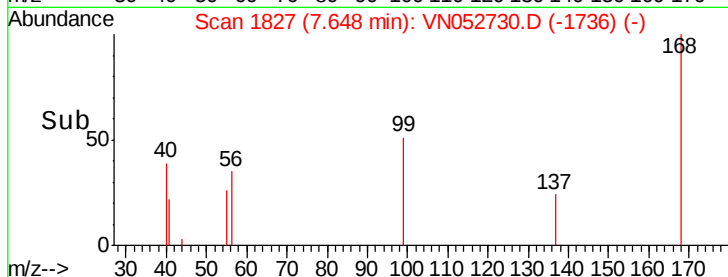
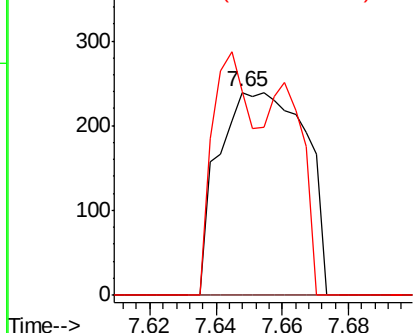
#31
Cyclohexane
Concen: 6.423 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Instrument :
MSVOA_N
ClientSampled :
TW-2

Tot Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.6#
84 100.8 65.3 97.9#

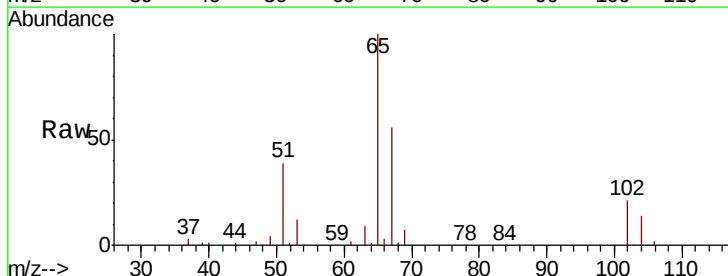


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

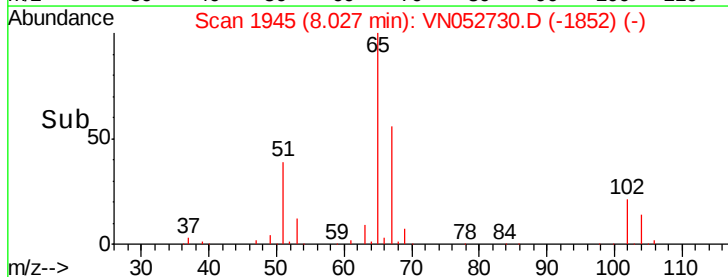
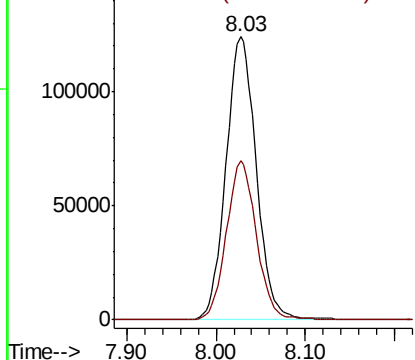


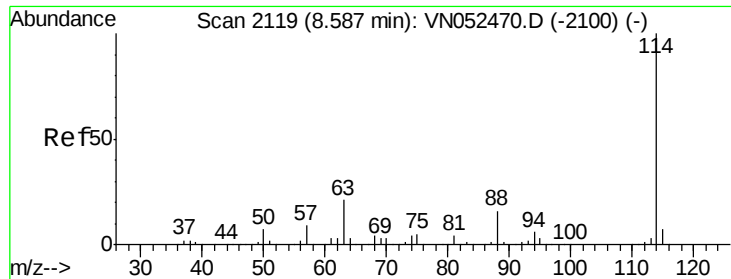
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 65 Resp: 292008
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

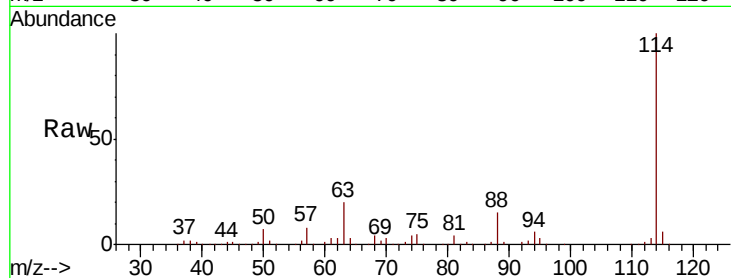




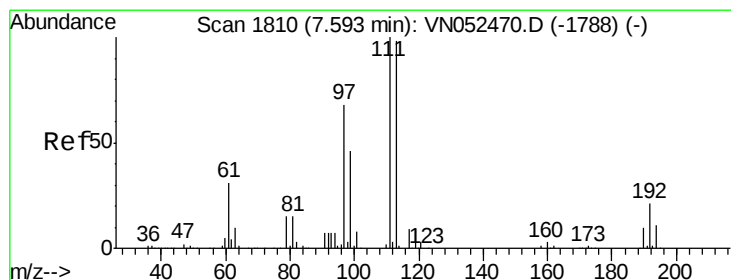
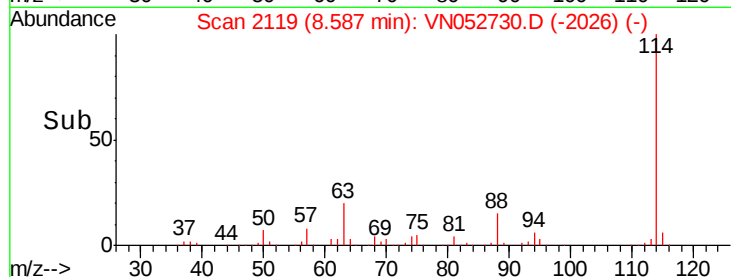
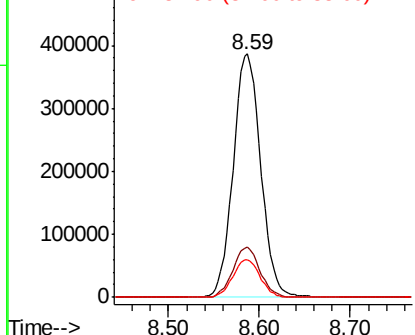
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052730.D
 Acq: 7 Dec 2018 16:46

Instrument :
 MSVOA_N
 ClientSampled :
 TW-2

Tot Ion:114 Resp: 813440
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.4 0.0 31.6

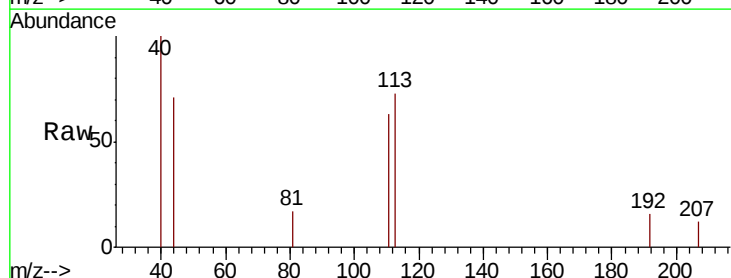


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

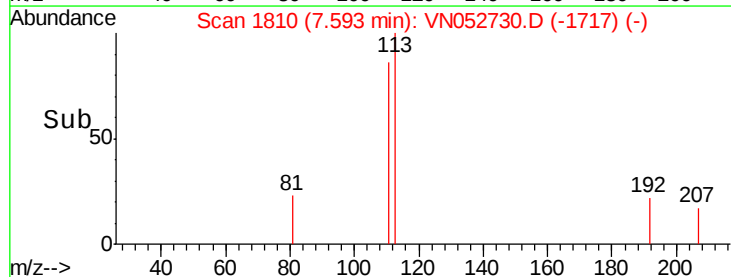
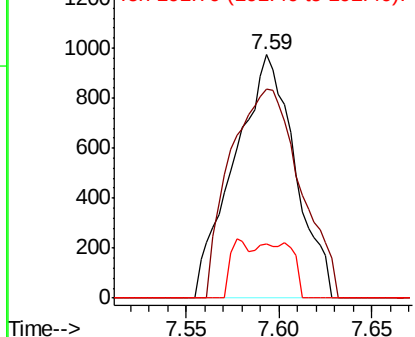


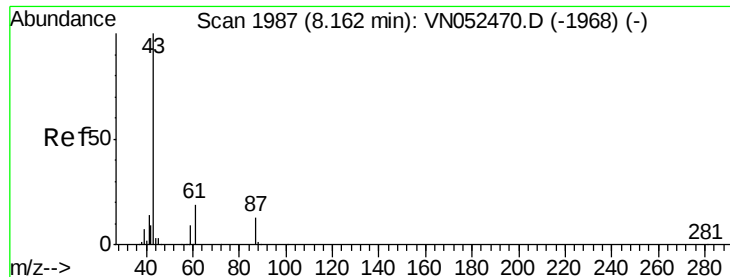
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052730.D
 Acq: 7 Dec 2018 16:46

Tgt Ion:113 Resp: 2210
 Ion Ratio Lower Upper
 113 100
 111 99.0 82.0 123.0
 192 7.3 17.0 25.6#



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





#43

Isopropyl Acetate

Concen: 3.872 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampleId :

TW-2

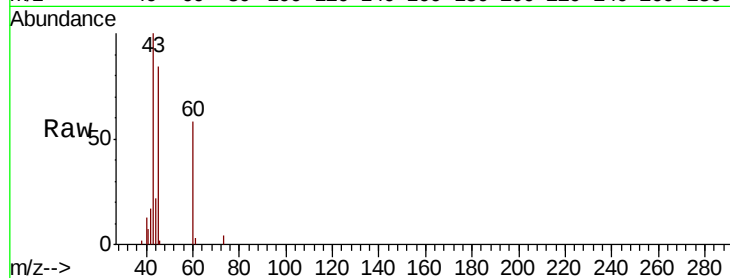
Tot Ion: 43 Resp: 30721

Ion Ratio Lower Upper

43 100

61 0.8 24.1 36.1#

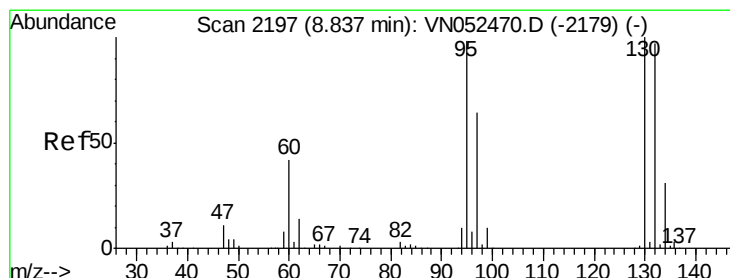
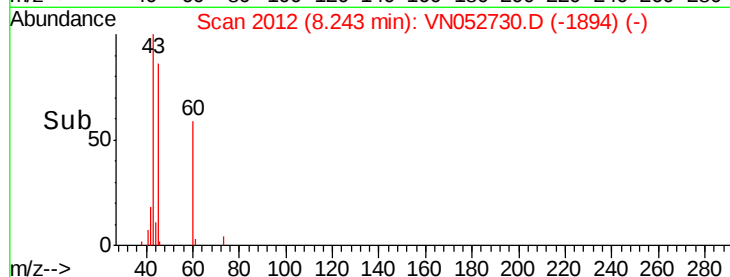
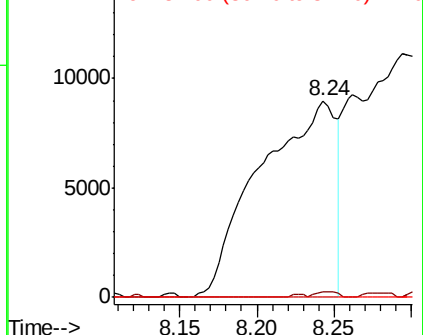
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052730.D (-2012) (-)

Ion 61.00 (60.70 to 61.70): VN052730.D (-2012) (-)

Ion 87.00 (86.70 to 87.70): VN052730.D (-2012) (-)



#44

Trichloroethene

Concen: 1.045 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052730.D

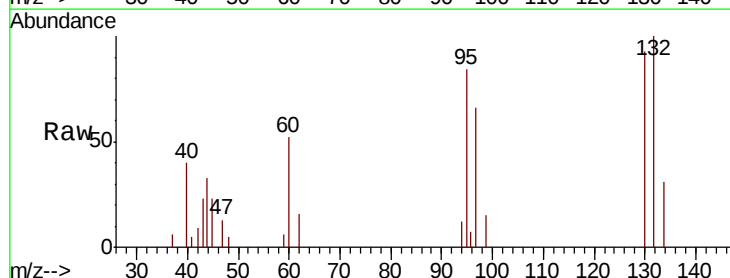
Acq: 7 Dec 2018 16:46

Tgt Ion:130 Resp: 6126

Ion Ratio Lower Upper

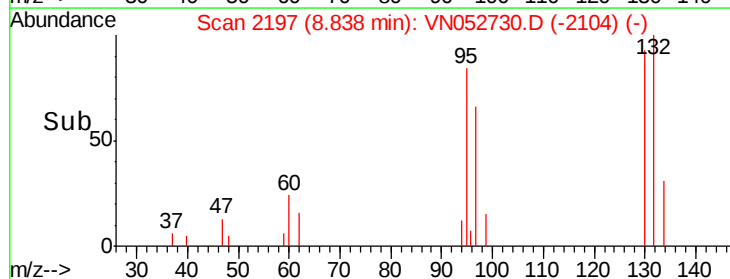
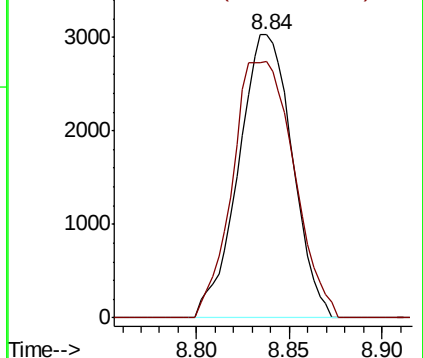
130 100

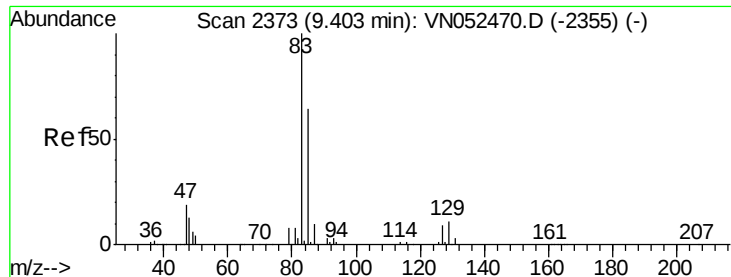
95 90.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052730.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN052730.D (-2197) (-)





#47

Bromodichloromethane

Concen: 1.674 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

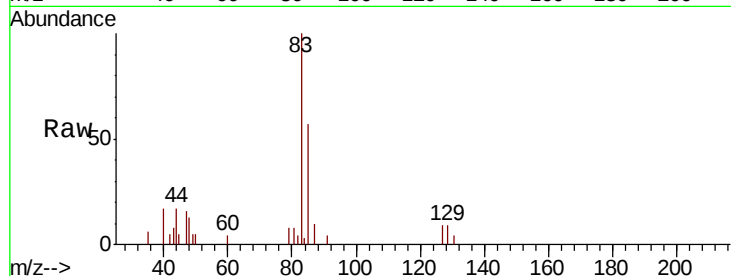
Tot Ion: 83 Resp: 12262

Ion Ratio Lower Upper

83 100

85 57.3 51.3 76.9

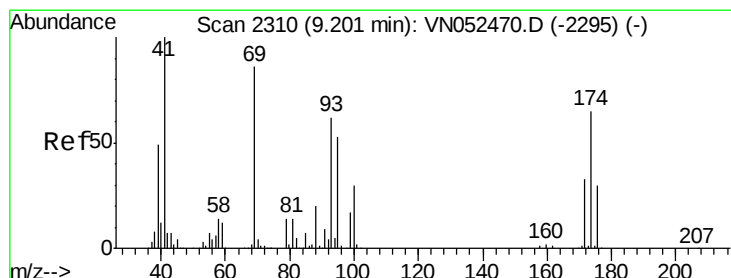
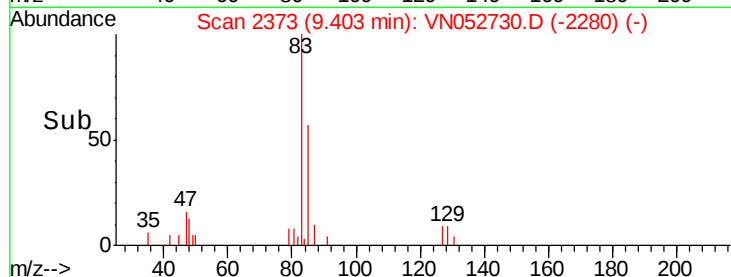
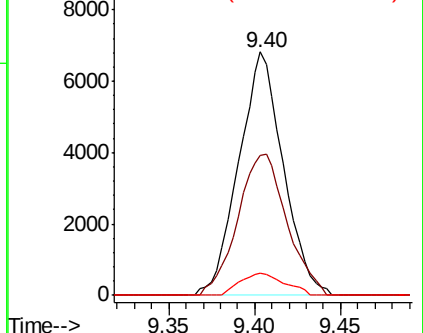
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 0.675 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

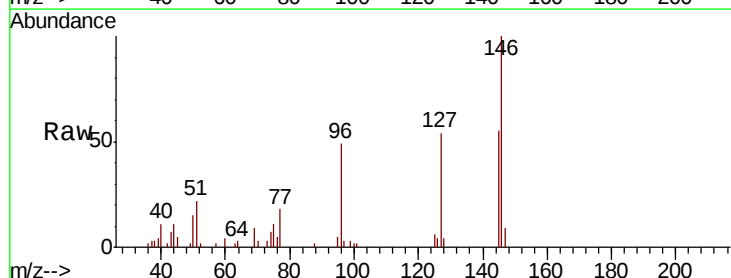
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 869.0 26.4 39.6#

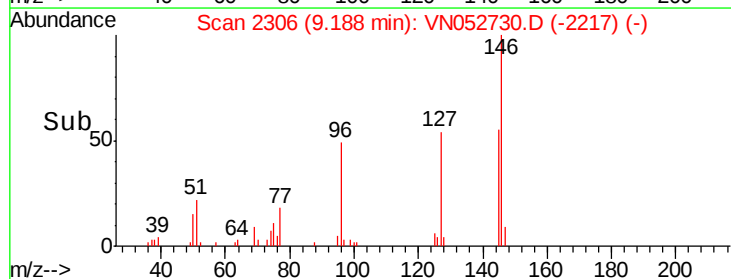
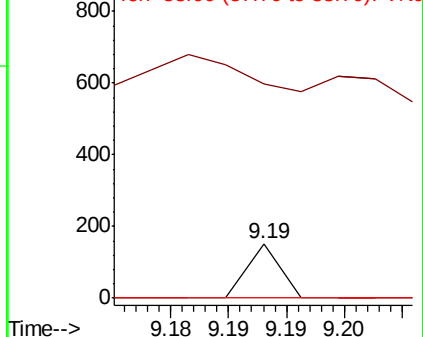
58 0.0 55.4 83.0#

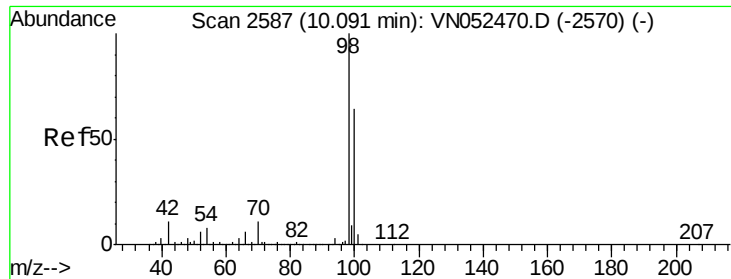


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 0.675 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

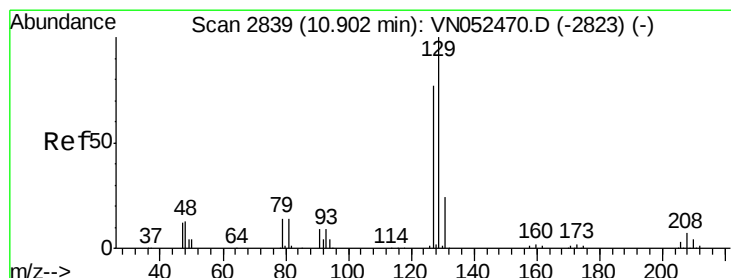
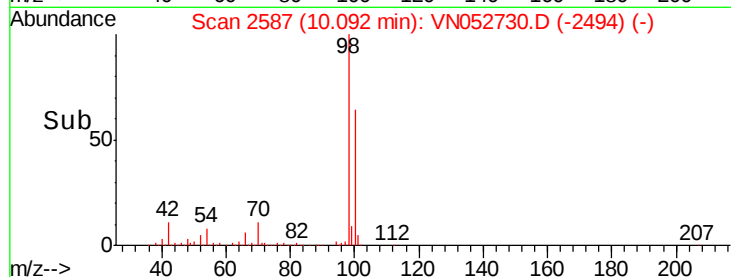
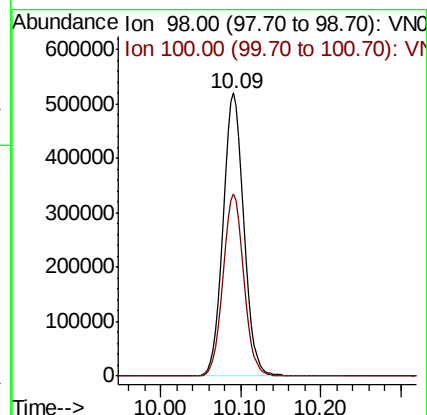
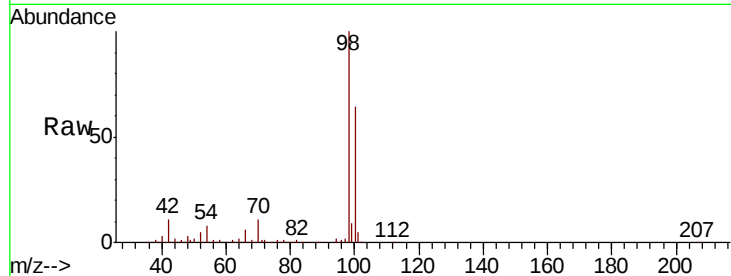
TW-2

Tot Ion: 98 Resp: 938493

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



#60

Dibromochloromethane

Concen: 0.528 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052730.D

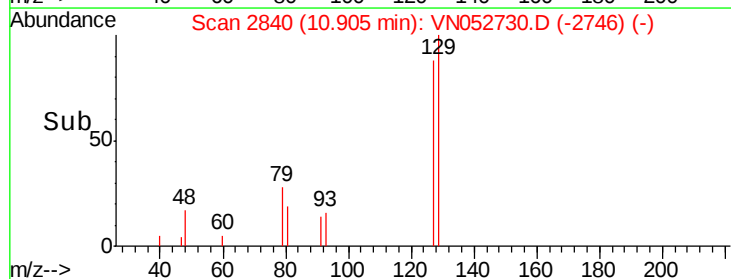
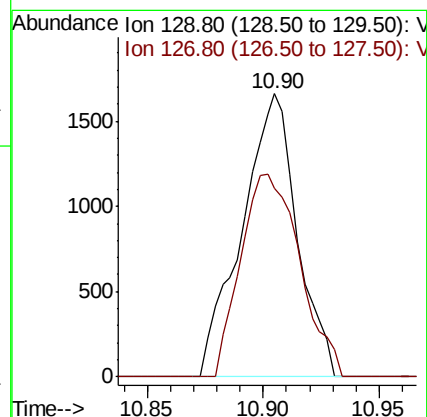
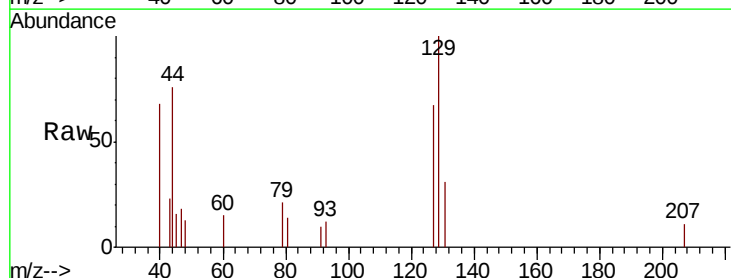
Acq: 7 Dec 2018 16:46

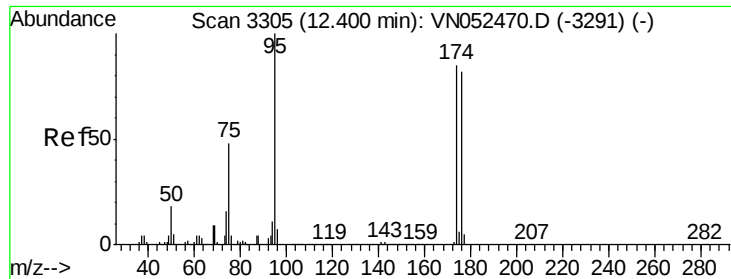
Tgt Ion: 129 Resp: 2744

Ion Ratio Lower Upper

129 100

127 76.6 38.9 116.6

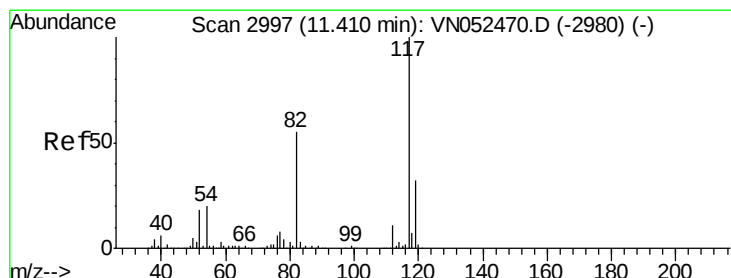
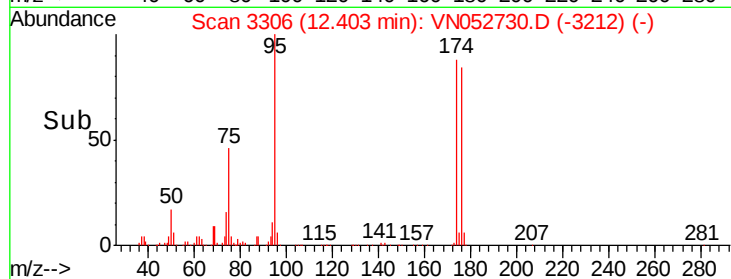
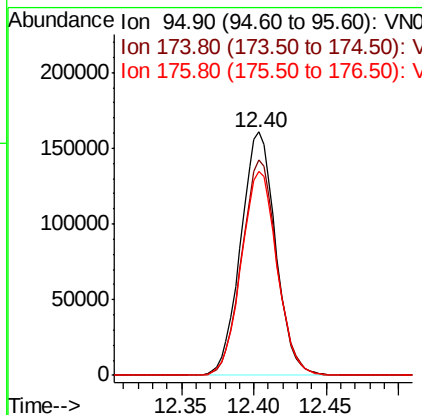
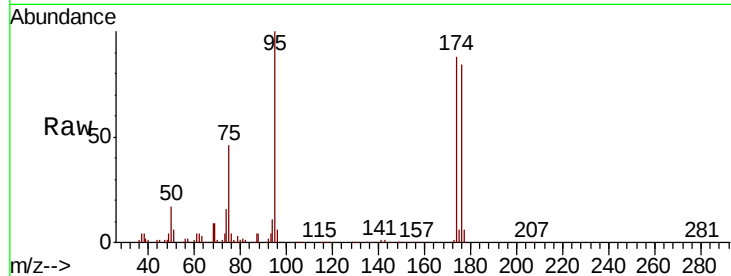




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

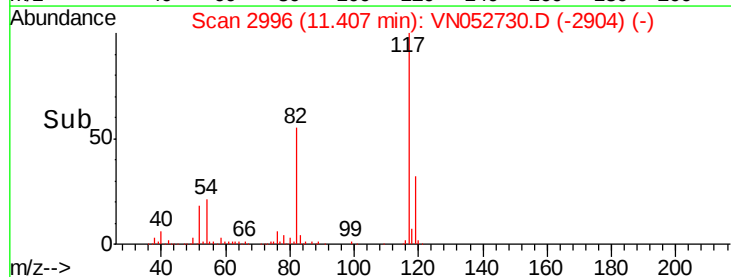
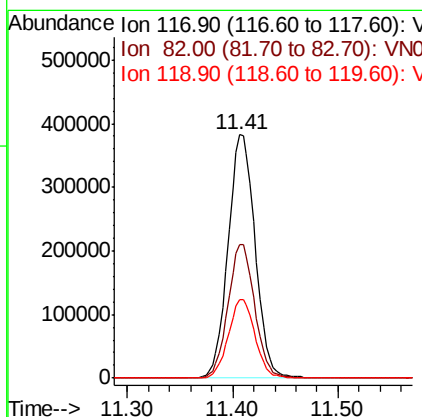
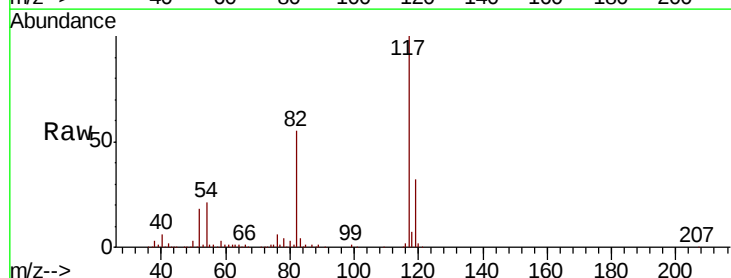
Instrument :
MSVOA_N
ClientSampleId :
TW-2

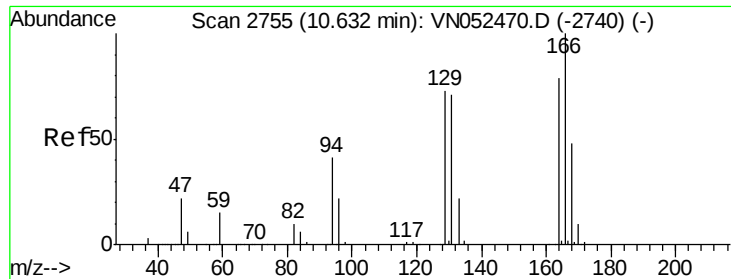
Tot Ion: 95 Resp: 269302
Ion Ratio Lower Upper
95 100
174 89.1 0.0 173.0
176 85.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion: 117 Resp: 676007
Ion Ratio Lower Upper
117 100
82 55.1 43.6 65.4
119 32.2 25.4 38.2





#64

Tetrachloroethene

Concen: 4.387 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

Tot Ion:164 Resp: 22991

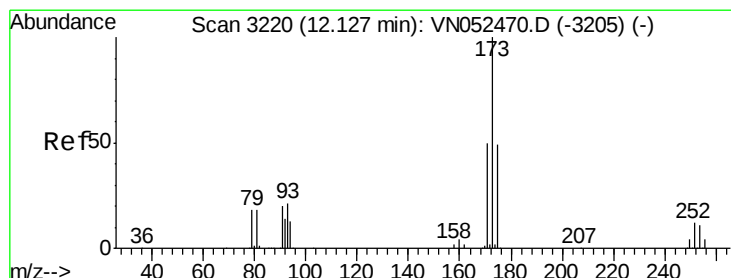
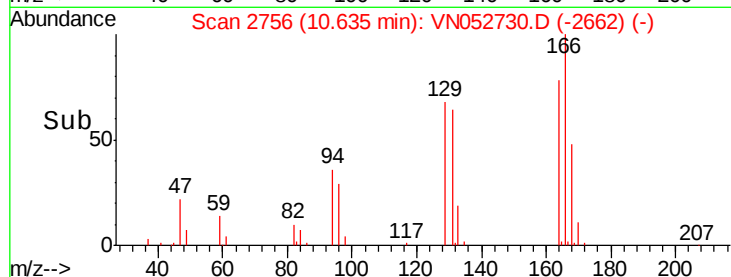
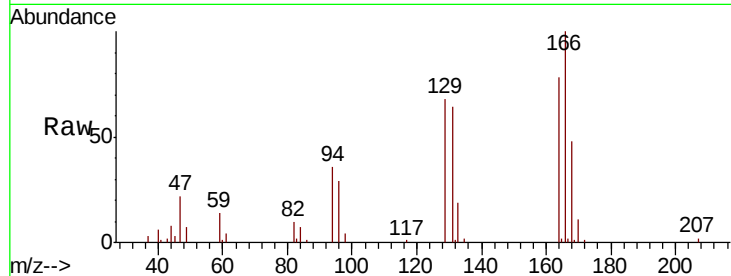
Ion Ratio Lower Upper

164 100

166 128.1 101.0 151.4

129 87.6 73.8 110.6

131 82.3 71.2 106.8



#71

Bromoform

Concen: 0.716 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

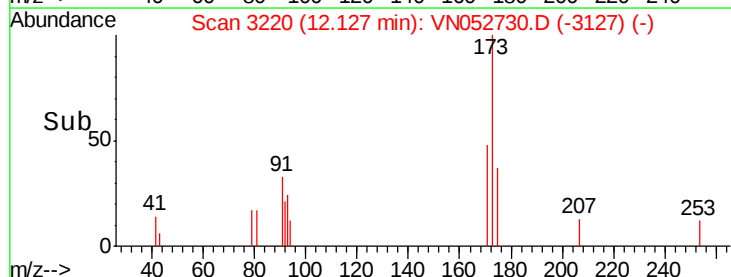
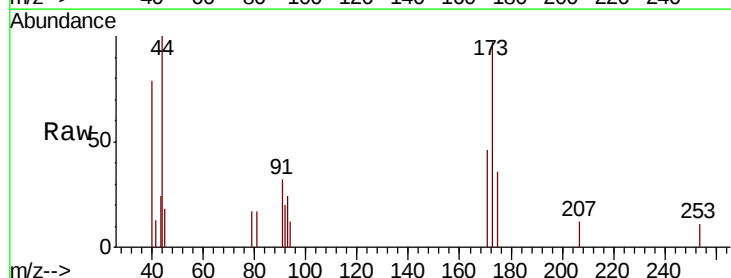
Tgt Ion:173 Resp: 2298

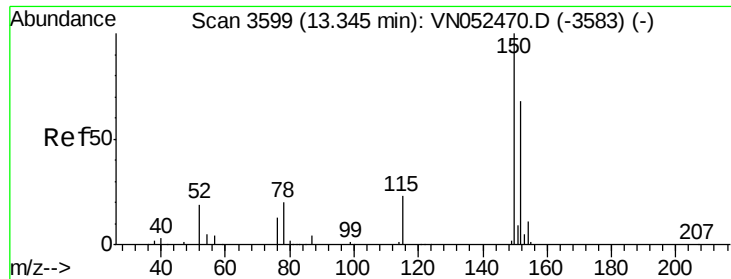
Ion Ratio Lower Upper

173 100

175 43.0 24.4 73.2

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampleId :

TW-2

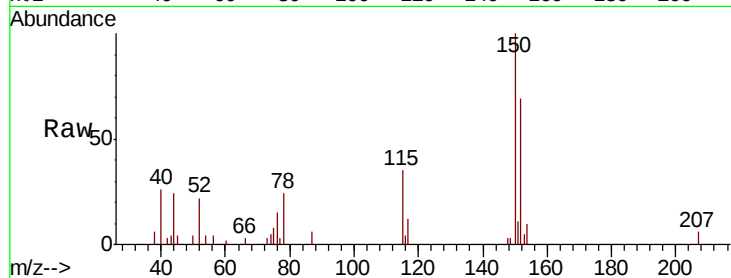
Tot Ion:152 Resp: 7110

Ion Ratio Lower Upper

152 100

115 53.3 28.4 85.2

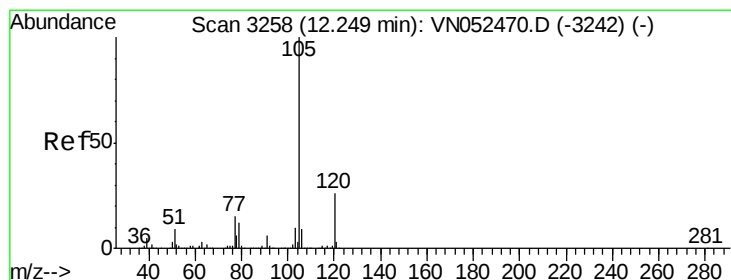
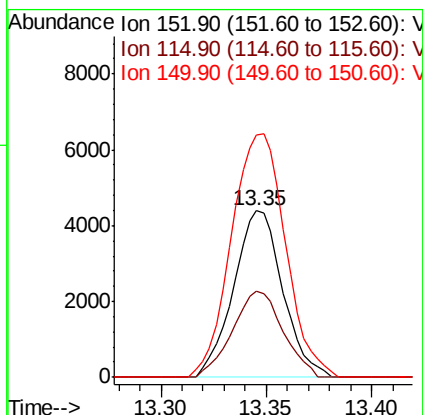
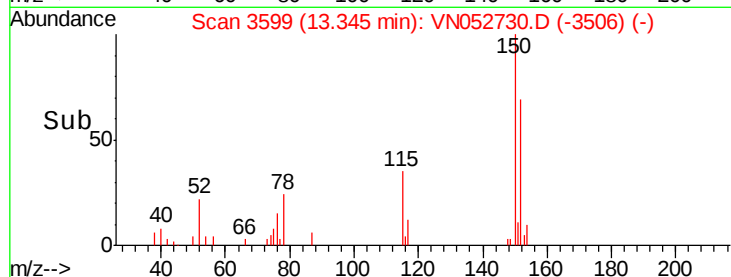
150 161.0 0.0 346.0



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



#73

Isopropylbenzene

Concen: 1.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052730.D

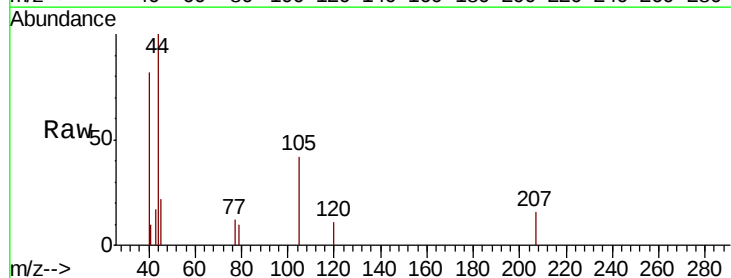
Acq: 7 Dec 2018 16:46

Tgt Ion:105 Resp: 1023

Ion Ratio Lower Upper

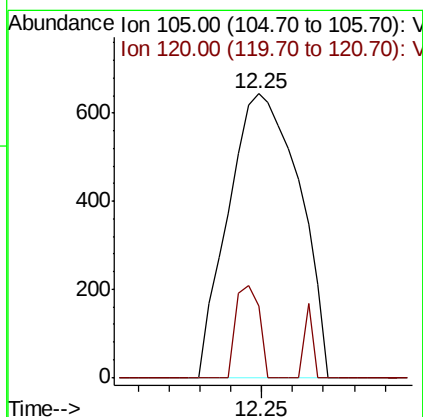
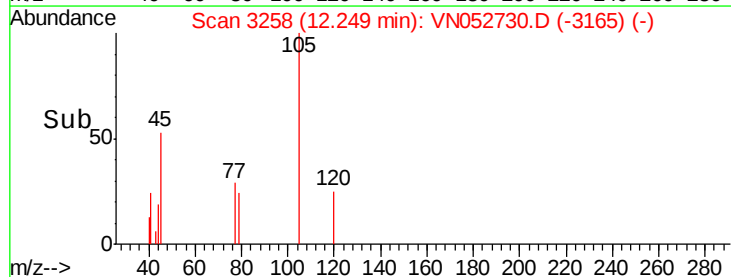
105 100

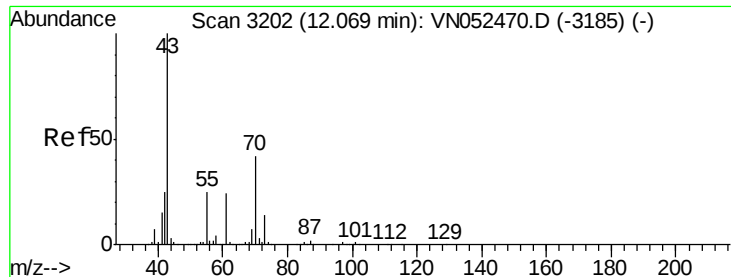
120 10.6 13.1 39.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.455 ug/l

RT: 12.08 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

Tot Ion: 43 Resp: 346

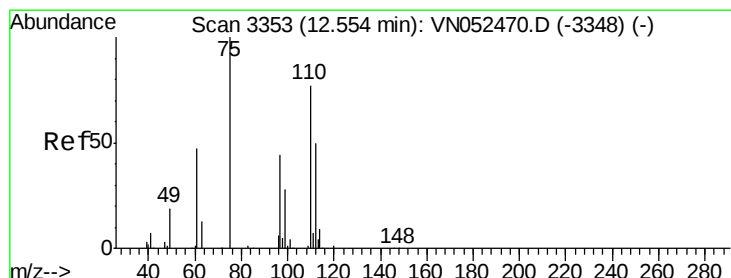
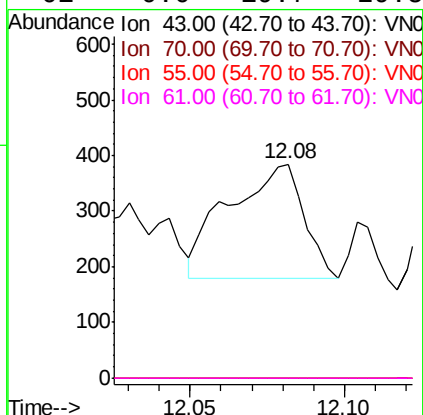
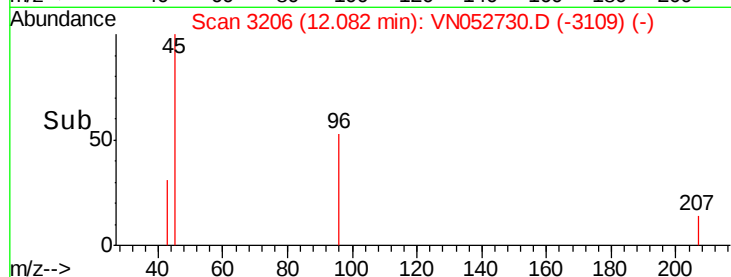
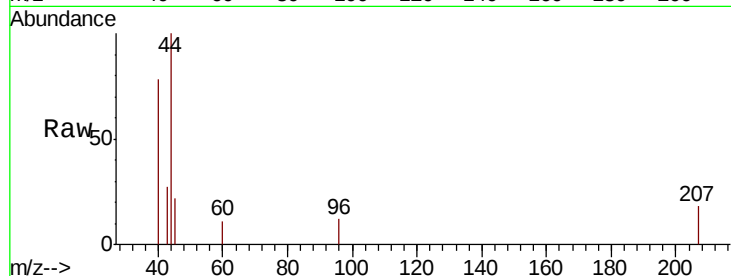
Ion Ratio Lower Upper

43 100

70 0.0 33.8 50.8#

55 0.0 20.0 30.0#

61 0.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 1157.970 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052730.D

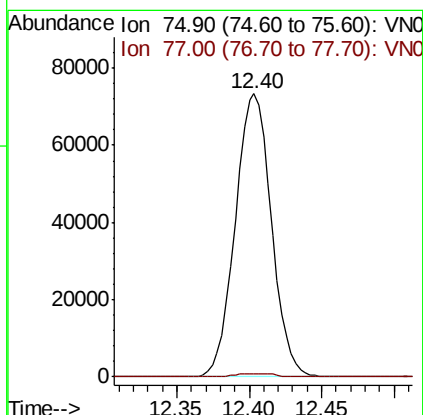
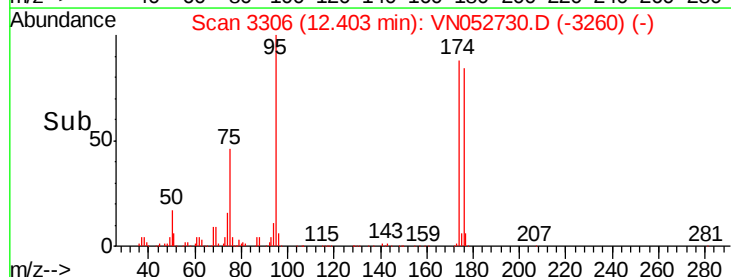
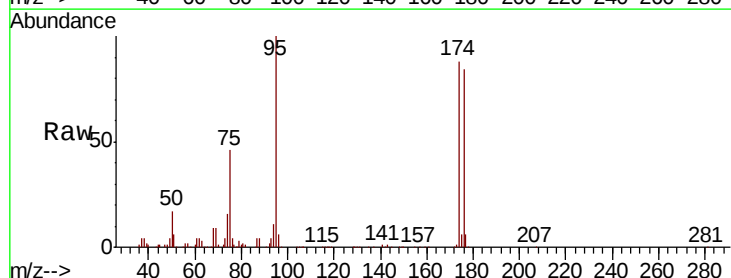
Acq: 7 Dec 2018 16:46

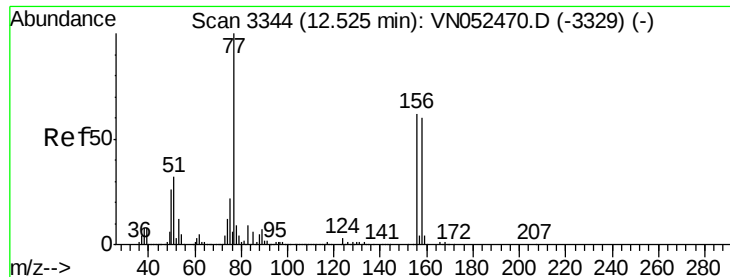
Tgt Ion: 75 Resp: 126960

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#77

Bromobenzene

Concen: 0.457 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

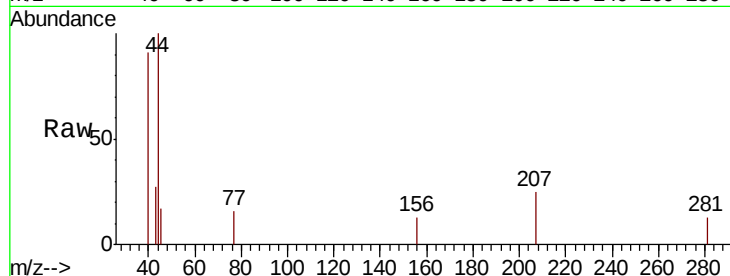
Tot Ion:156 Resp: 63

Ion Ratio Lower Upper

156 100

77 341.3 93.5 280.4#

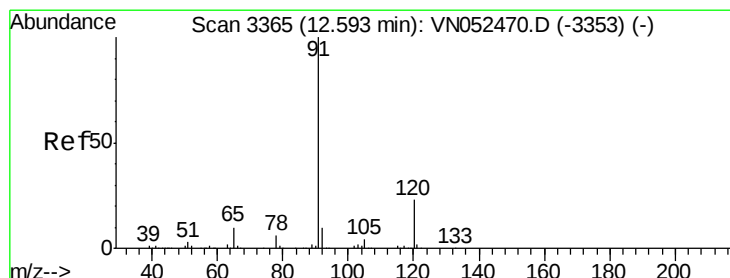
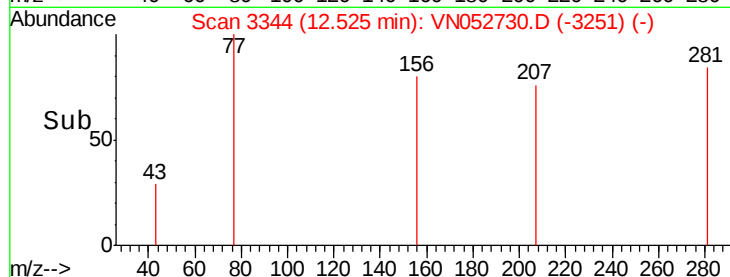
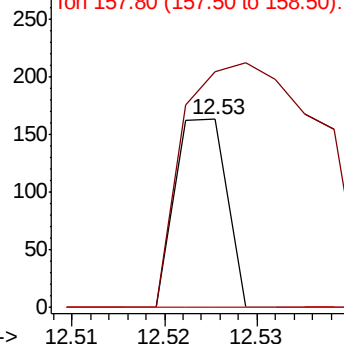
158 0.0 48.3 144.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.280 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN052730.D

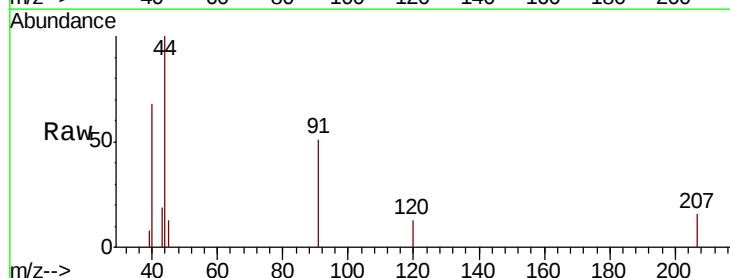
Acq: 7 Dec 2018 16:46

Tgt Ion: 91 Resp: 1445

Ion Ratio Lower Upper

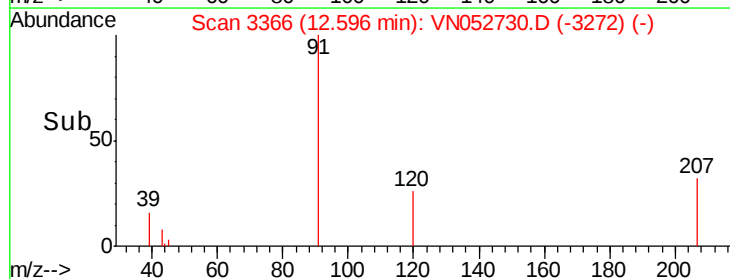
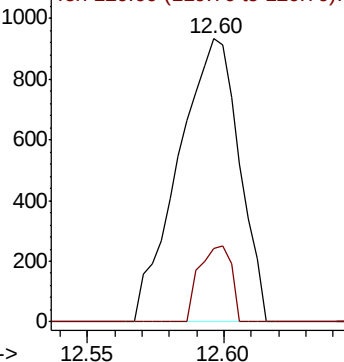
91 100

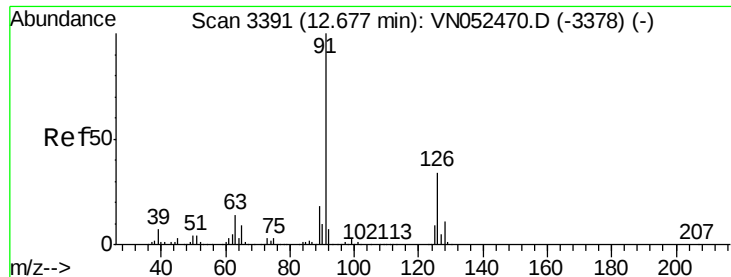
120 14.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.463 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

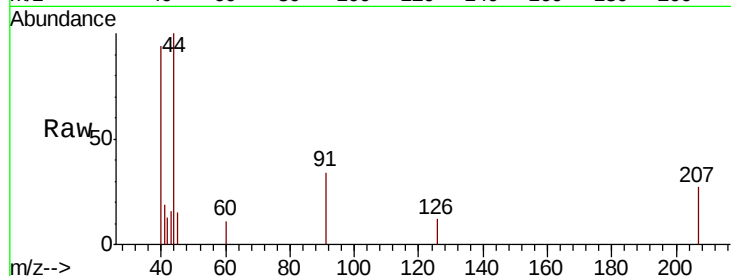
TW-2

Tot Ion: 91 Resp: 552

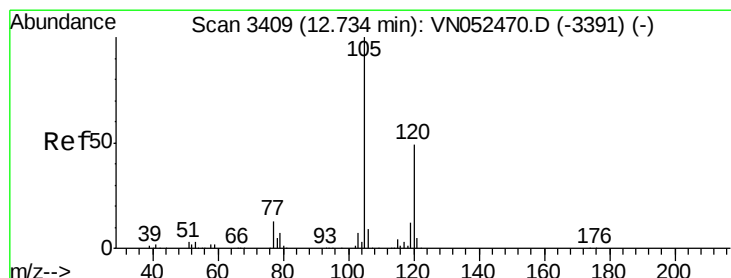
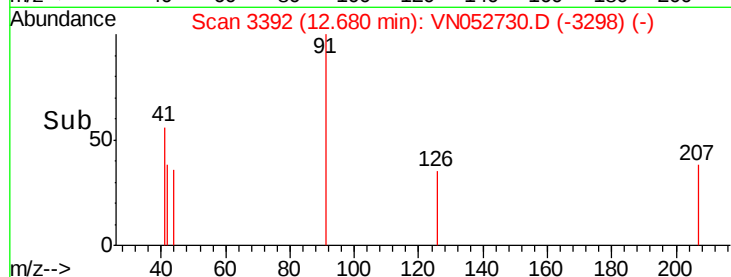
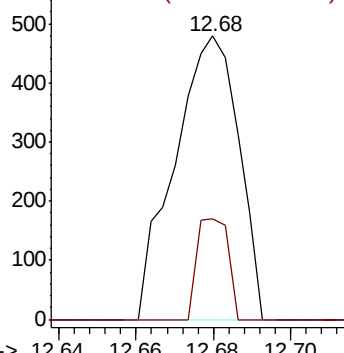
Ion Ratio Lower Upper

91 100

126 17.4 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.922 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052730.D

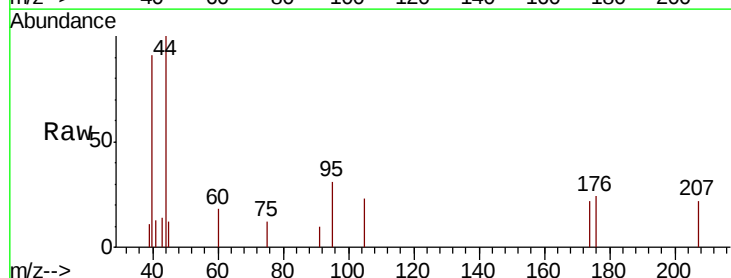
Acq: 7 Dec 2018 16:46

Tgt Ion: 105 Resp: 410

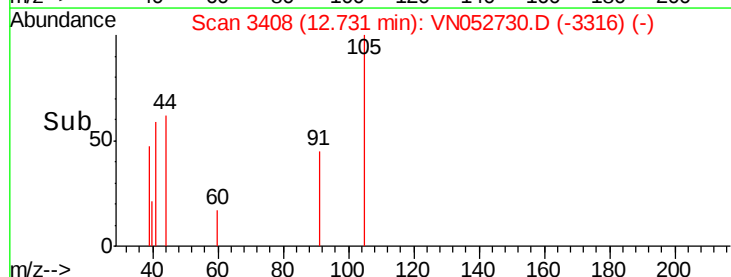
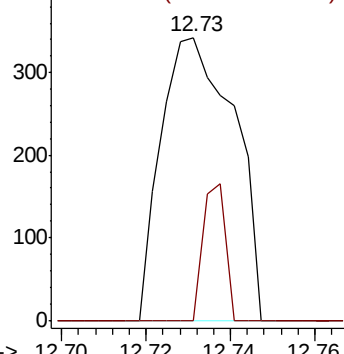
Ion Ratio Lower Upper

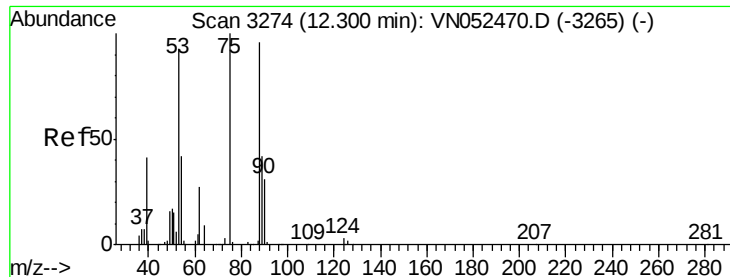
105 100

120 15.1 24.3 73.0#



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3867.073 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampleId :

TW-2

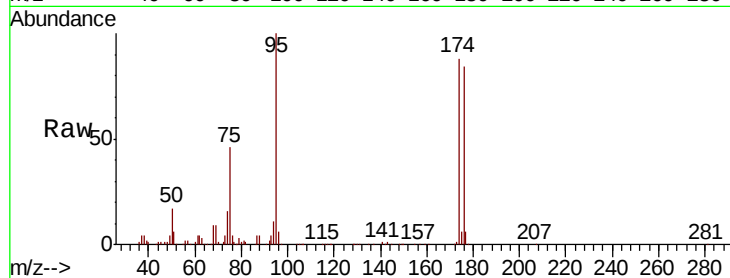
Tot Ion: 75 Resp: 126960

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

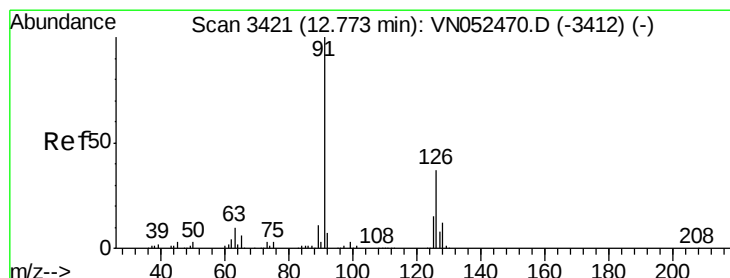
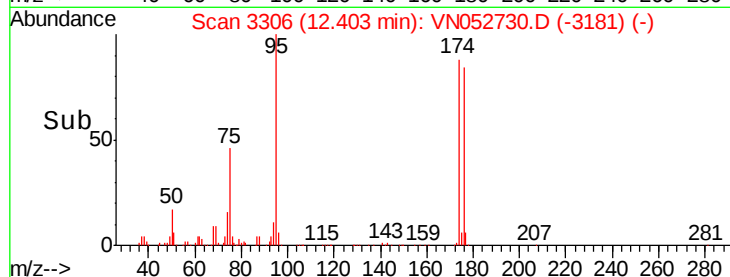
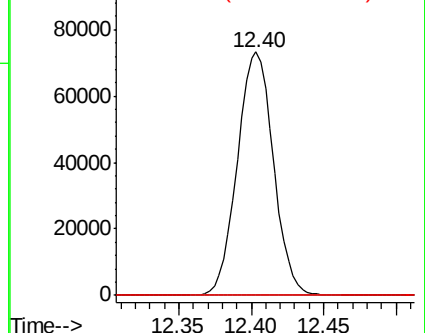
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.451 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.09 min

Lab File: VN052730.D

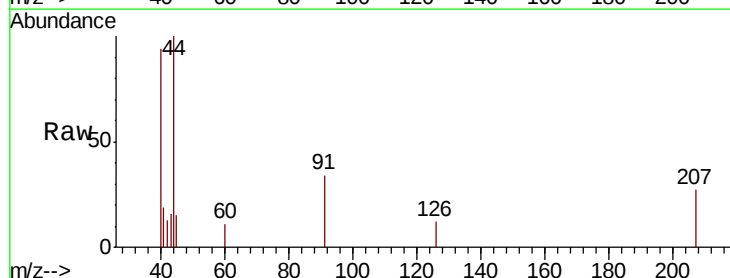
Acq: 7 Dec 2018 16:46

Tgt Ion: 91 Resp: 552

Ion Ratio Lower Upper

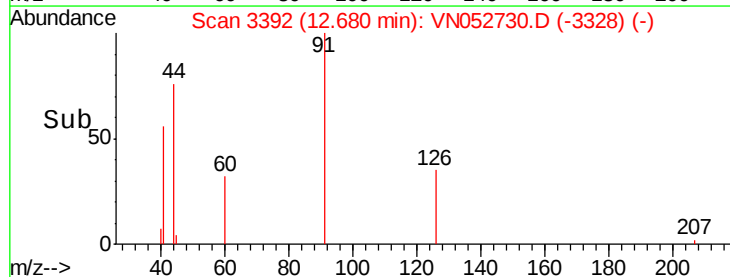
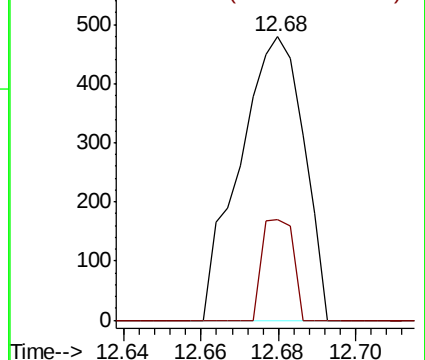
91 100

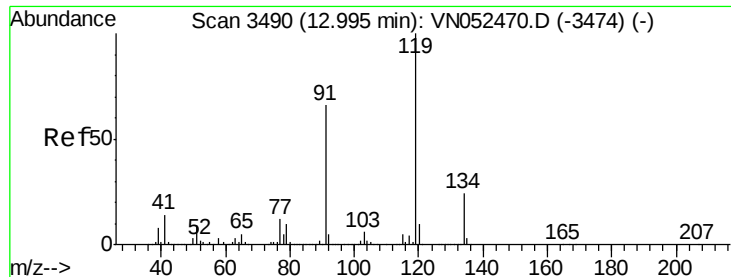
126 17.4 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

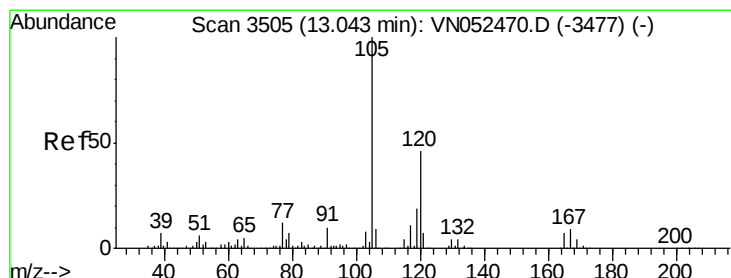
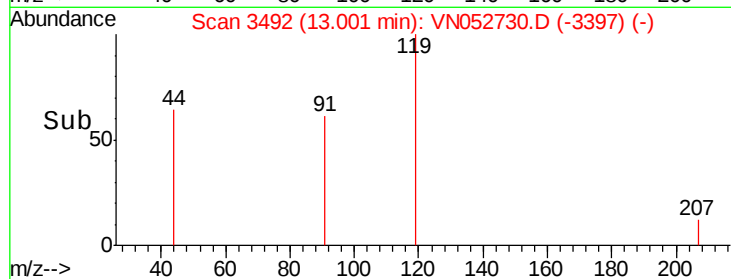
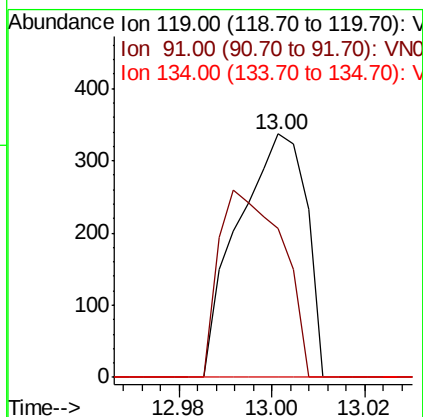
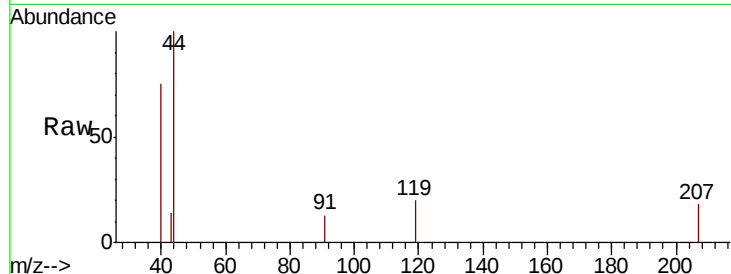




#83
tert-Butylbenzene
Concen: 0.865 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

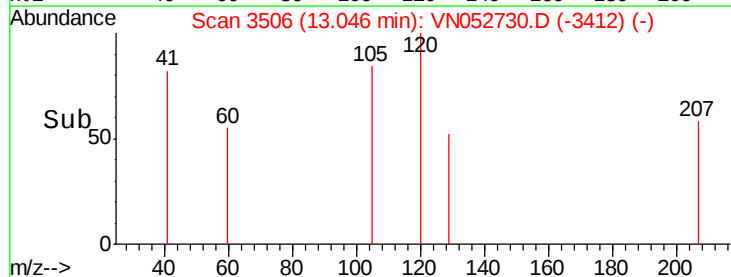
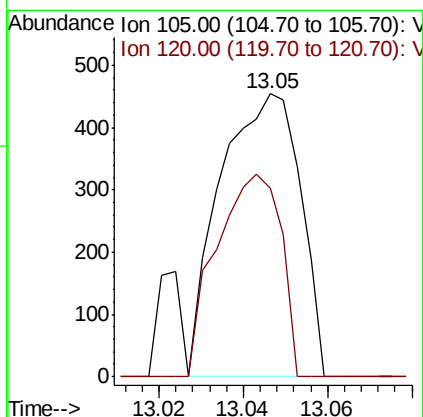
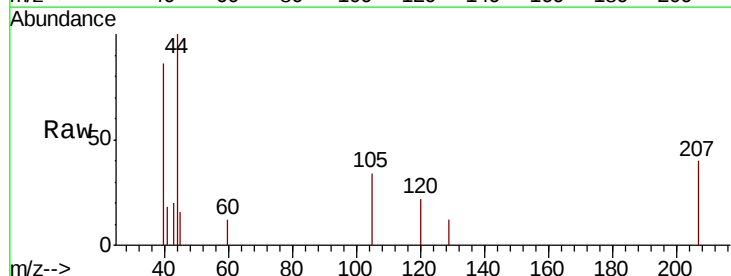
Instrument :
MSVOA_N
ClientSampled :
TW-2

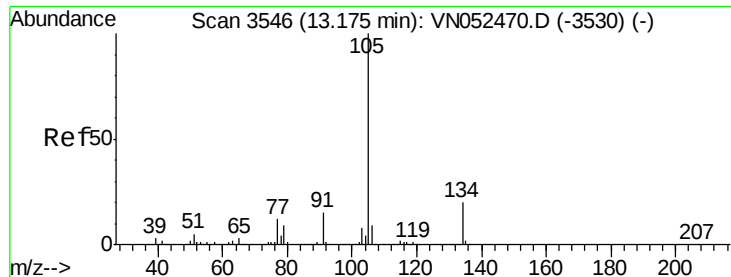
Tot Ion:119 Resp: 343
Ion Ratio Lower Upper
119 100
91 71.7 32.3 96.9
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.341 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion:105 Resp: 598
Ion Ratio Lower Upper
105 100
120 57.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 1.150 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

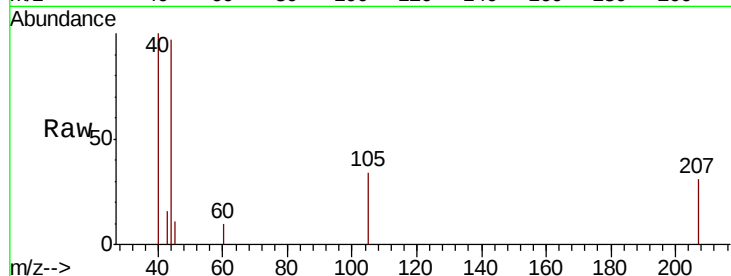
TW-2

Tot Ion:105 Resp: 621

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500

400

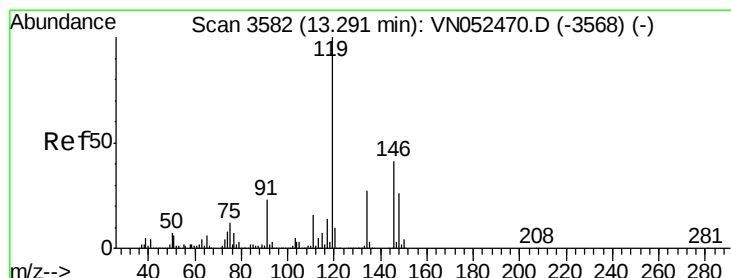
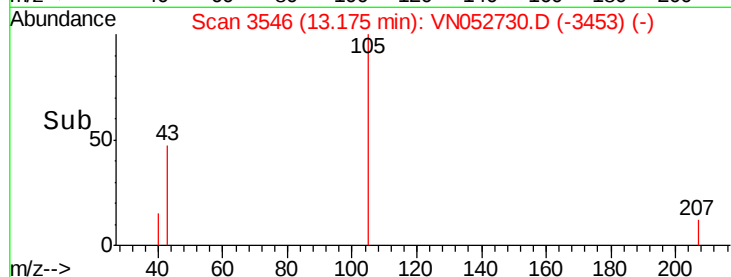
300

200

100

0

Time--> 13.14 13.16 13.18 13.20



#86

p-Isopropyltoluene

Concen: 0.772 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

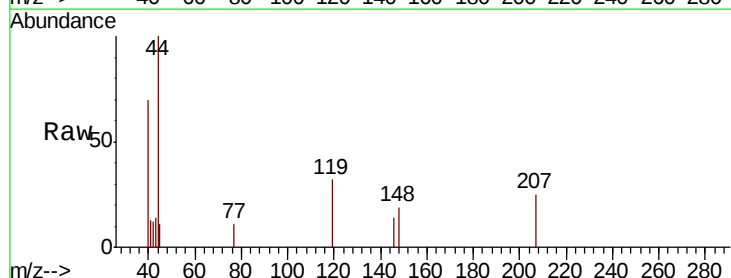
Tgt Ion:119 Resp: 355

Ion Ratio Lower Upper

119 100

134 18.6 13.4 40.2

91 0.0 11.4 34.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

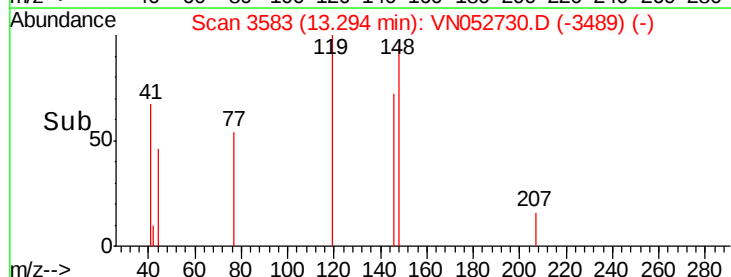
600

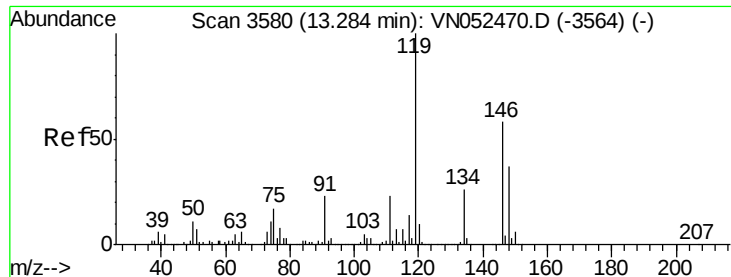
400

200

0

Time--> 13.28 13.30

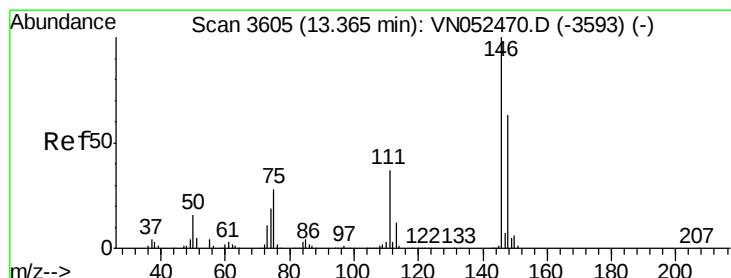
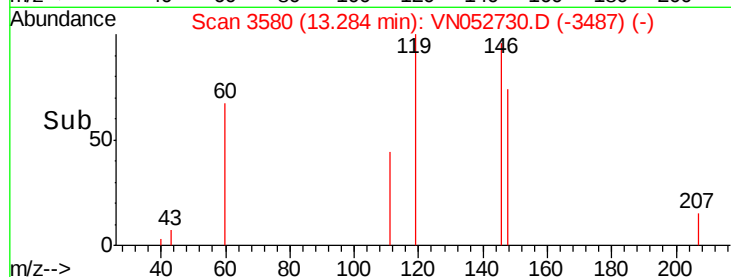
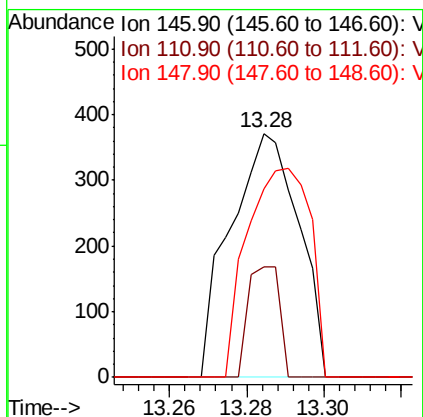
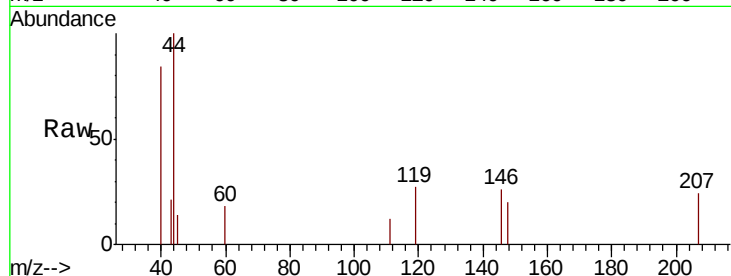




#87
 1,3-Dichlorobenzene
 Concen: 1.895 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052730.D
 Acq: 7 Dec 2018 16:46

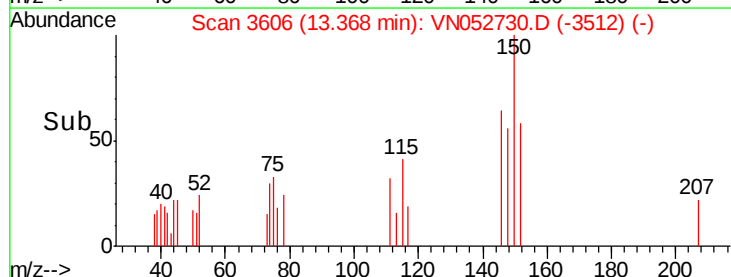
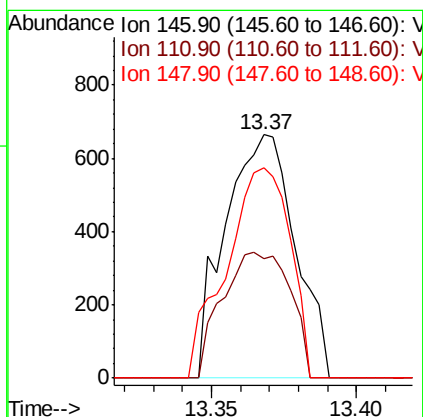
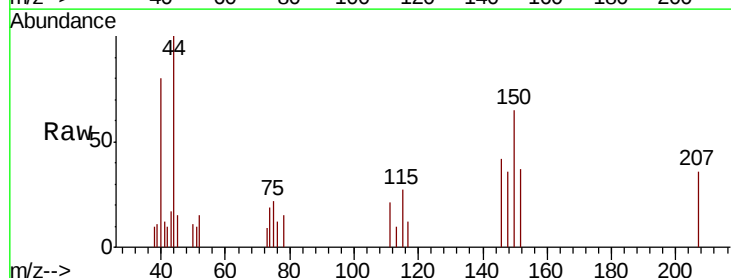
Instrument :
 MSVOA_N
 ClientSampled :
 TW-2

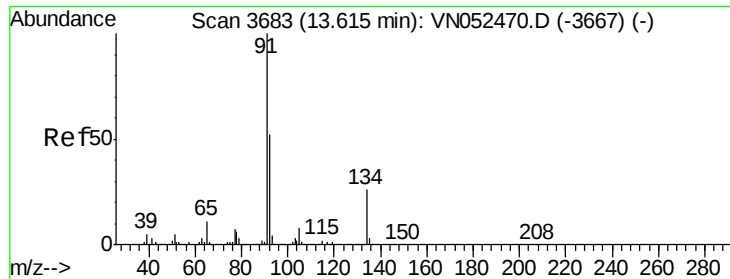
Tot Ion:146 Resp: 457
 Ion Ratio Lower Upper
 146 100
 111 20.8 19.4 58.4
 148 79.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 4.702 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN052730.D
 Acq: 7 Dec 2018 16:46

Tgt Ion:146 Resp: 1117
 Ion Ratio Lower Upper
 146 100
 111 50.0 18.6 56.0
 148 78.7 31.9 95.9





#89

n-Butylbenzene

Concen: 1.861 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

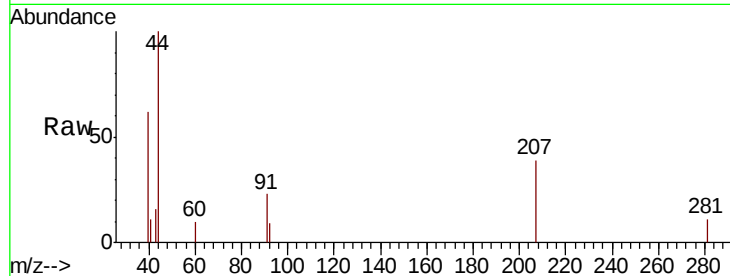
Tot Ion: 91 Resp: 712

Ion Ratio Lower Upper

91 100

92 15.3 26.1 78.3#

134 0.0 13.0 38.9#

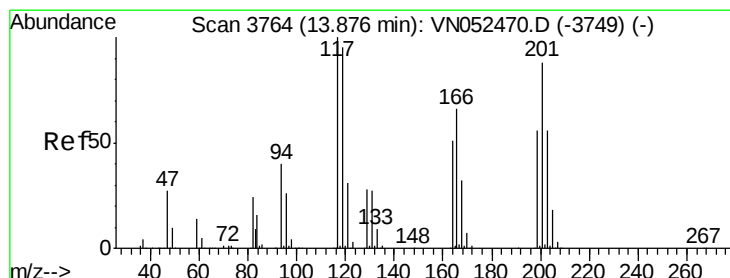
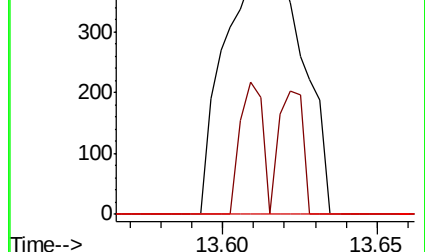
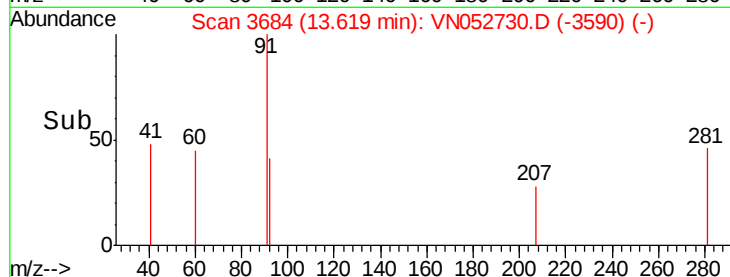


Abundance Ion 91.00 (90.70 to 91.70): VN052730.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052730.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052730.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 2.490 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. 0.12 min

Lab File: VN052730.D

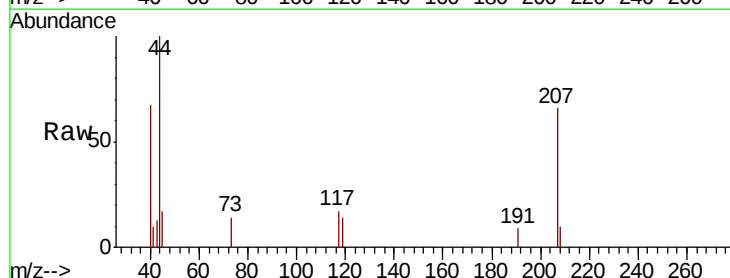
Acq: 7 Dec 2018 16:46

Tgt Ion: 117 Resp: 194

Ion Ratio Lower Upper

117 100

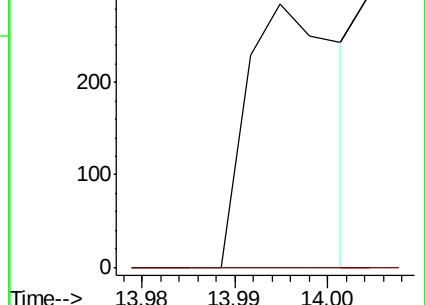
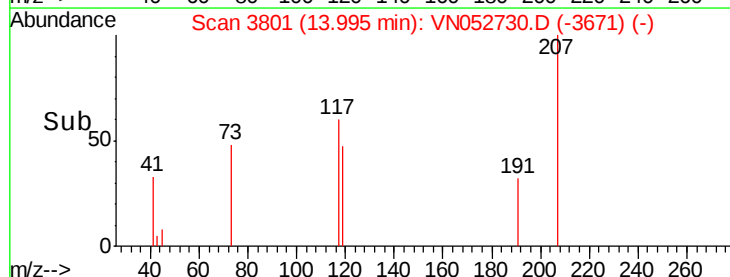
201 0.0 43.6 130.9#

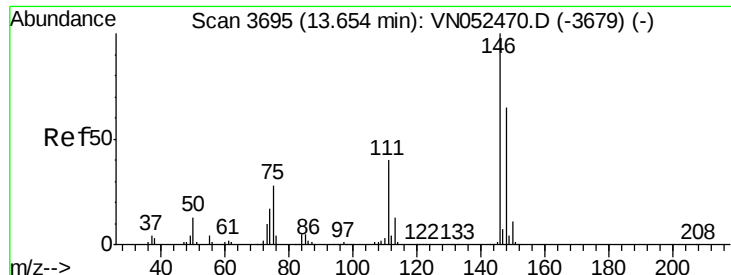


Abundance Ion 116.80 (116.50 to 117.50): VN052730.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052730.D (-3671) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 2.409 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

Instrument :

MSVOA_N

ClientSampled :

TW-2

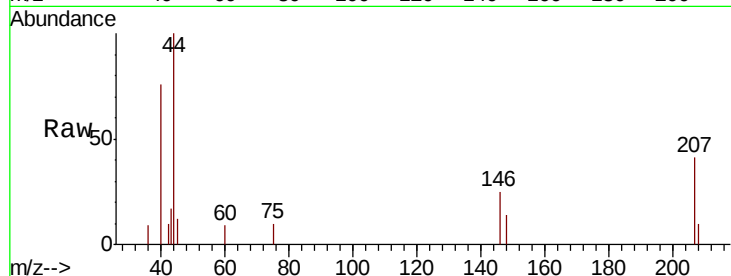
Tot Ion:146 Resp: 555

Ion Ratio Lower Upper

146 100

111 22.3 20.0 60.0

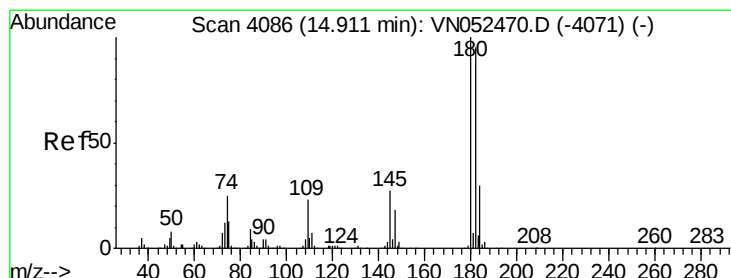
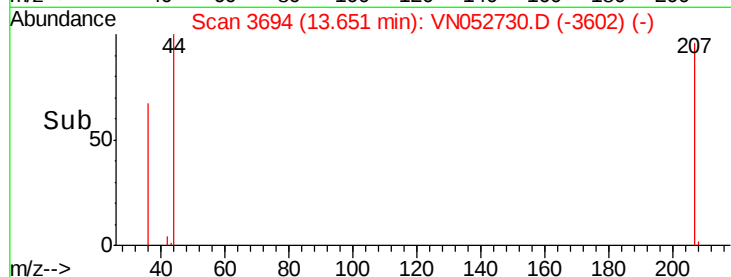
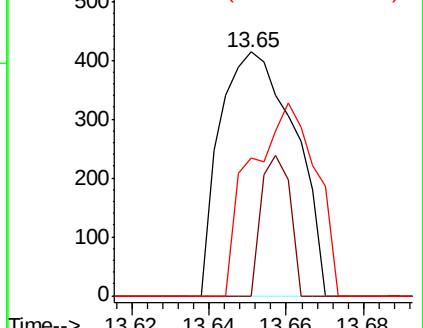
148 68.6 32.0 96.2



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



#93

1,2,4-Trichlorobenzene

Concen: 4.347 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052730.D

Acq: 7 Dec 2018 16:46

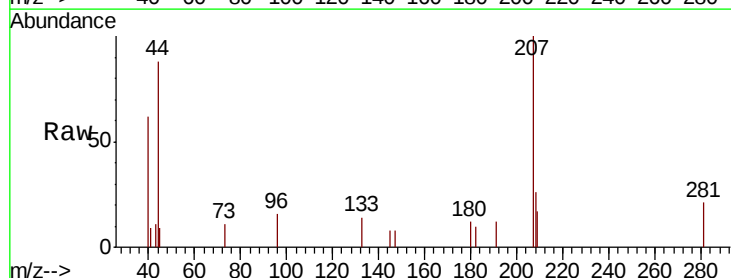
Tgt Ion:180 Resp: 203

Ion Ratio Lower Upper

180 100

182 127.6 47.8 143.4

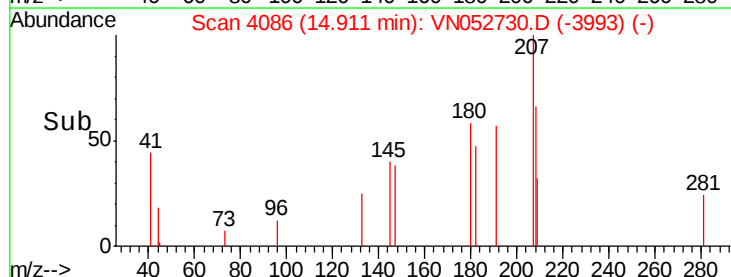
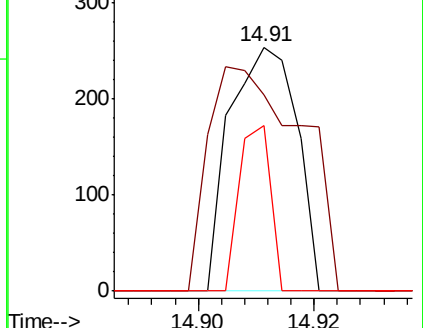
145 31.5 14.1 42.3

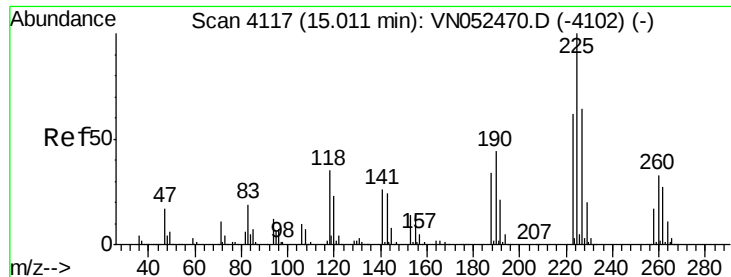


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

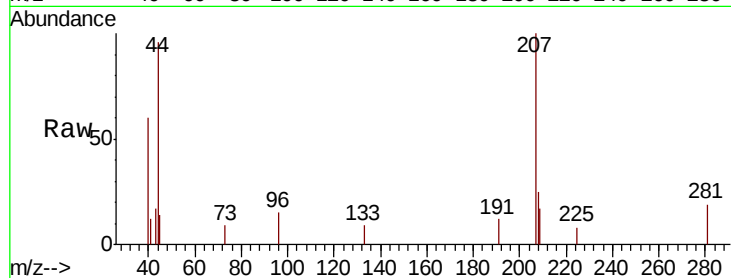




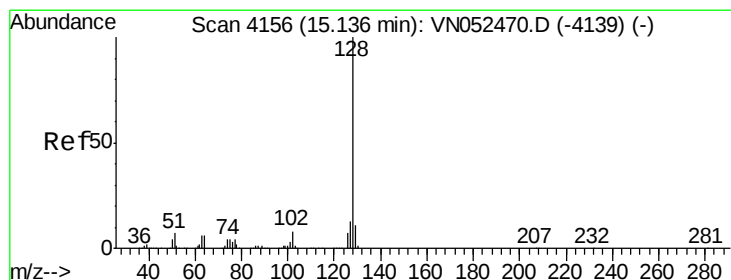
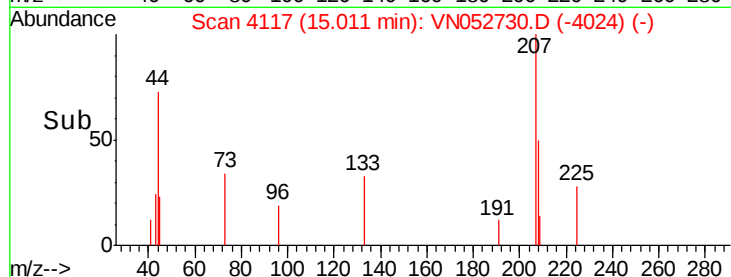
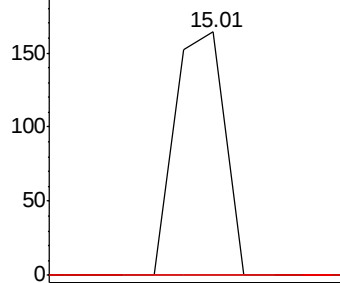
#94
Hexachlorobutadiene
Concen: 0.823 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Instrument :
MSVOA_N
ClientSampled :
TW-2

Tot Ion:225 Resp: 61
Ion Ratio Lower Upper
225 100
223 0.0 31.4 94.2#
227 0.0 32.5 97.4#

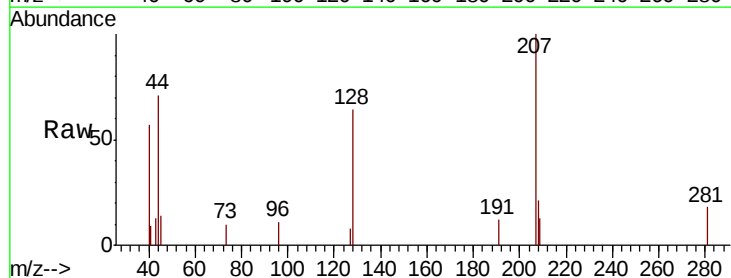


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

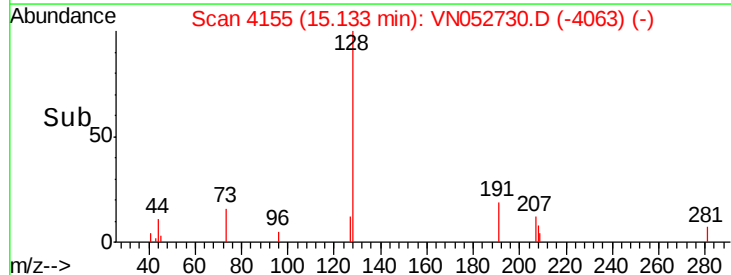
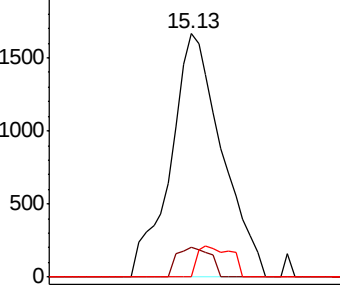


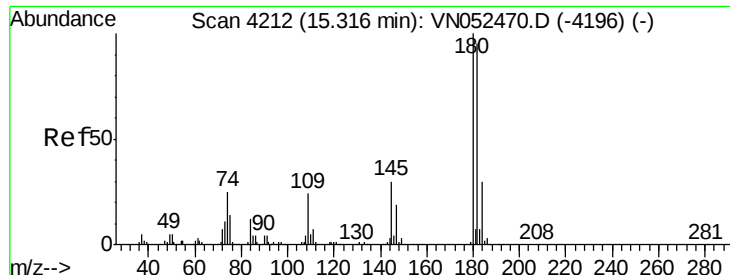
#95
Naphthalene
Concen: 12.312 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052730.D
Acq: 7 Dec 2018 16:46

Tgt Ion:128 Resp: 2553
Ion Ratio Lower Upper
128 100
127 8.0 10.2 15.2#
129 8.3 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

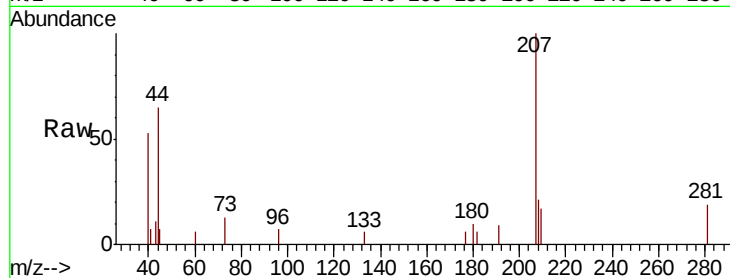




#96
 1,2,3-Trichlorobenzene
 Concen: 5.546 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052730.D
 Acq: 7 Dec 2018 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Tot Ion	Ratio	Lower	Upper
180	100		
182	52.9	47.8	143.3
145	0.0	15.2	45.5#



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

