

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052917.D
 Acq On : 17 Dec 2018 10:44
 Operator : MD\SY
 Sample : J6437-01 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23722

Quant Time: Dec 18 04:42:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1274051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1978105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1791687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	781564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	654210	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.59	113	475097	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	
50) Toluene-d8	10.09	98	2433401	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	846007	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	20708	2.908	ug/l	92
11) Tert butyl alcohol	4.77	59	37036	48.929	ug/l #	92
16) Acetone	3.82	43	467760	153.741	ug/l	99
18) Methyl Acetate	4.33	43	73606	6.592	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	68802	2.164	ug/l	98
22) Diisopropyl ether	5.96	45	757816	18.566	ug/l #	1
23) Vinyl Acetate	5.96	43	44677	1.840	ug/l #	79
24) 1,1-Dichloroethane	5.95	63	5417	0.230	ug/l #	84
25) 2-Butanone	6.83	43	92314	19.554	ug/l	97
29) Tetrahydrofuran	7.21	42	1634	0.507	ug/l #	70
31) Cyclohexane	7.66	56	22082	0.386	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	84764	4.653	ug/l #	49
37) Ethyl Acetate	6.83	43	92314	8.436	ug/l #	68
38) Carbon Tetrachloride	7.67	117	113006	6.740	ug/l #	16
40) Benzene	8.04	78	1515625	27.722	ug/l	99
42) 1,2-Dichloroethane	8.11	62	3753	0.228	ug/l #	74
43) Isopropyl Acetate	8.22	43	13237	0.590	ug/l #	53
48) Methyl methacrylate	9.17	41	14086	1.432	ug/l #	33
49) 1,4-Dioxane	9.20	88	8180	73.244	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	27426	2.666	ug/l	98
52) Toluene	10.16	92	1811181	54.697	ug/l	100
53) t-1,3-Dichloropropene	10.27	75	8714	0.503	ug/l #	67
58) 2-Chloroethyl Vinyl ether	9.81	63	3995	0.472	ug/l #	87
59) 2-Hexanone	10.75	43	7829	1.110	ug/l	73
67) Ethyl Benzene	11.51	91	921405	14.434	ug/l	99
68) m/p-Xylenes	11.62	106	2110644	88.057	ug/l	99
69) o-Xylene	11.95	106	817736	34.938	ug/l	98
70) Styrene	11.95	104	40613	1.079	ug/l #	1
71) Bromoform	12.40	173	4978	0.567	ug/l #	1
73) Isopropylbenzene	12.25	105	24577	0.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	8728	0.667	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	393323	34.110	ug/l #	100
78) n-propylbenzene	12.59	91	31054	0.467	ug/l	97
79) 2-Chlorotoluene	12.65	91	20576	0.523	ug/l	77

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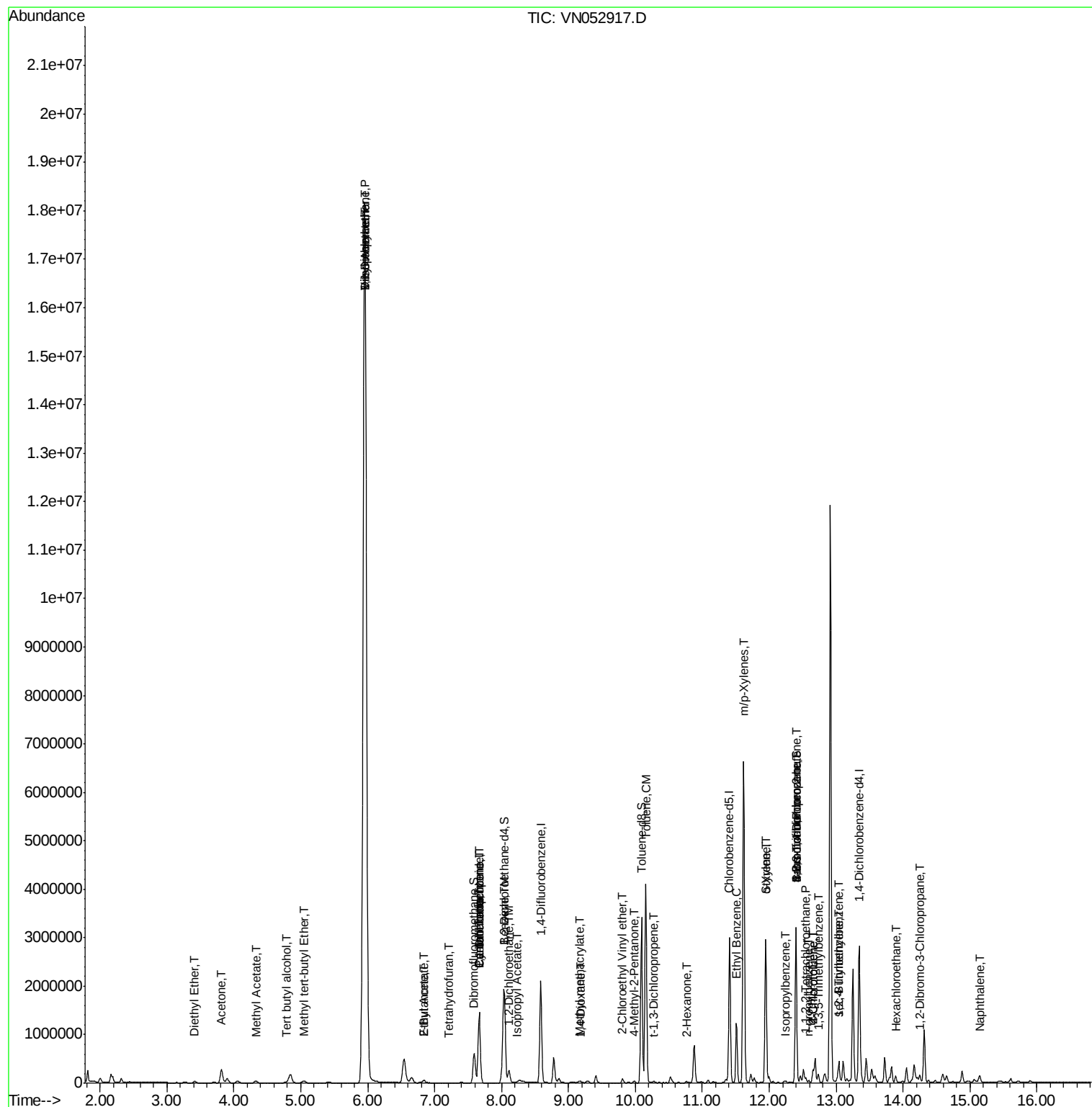
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	93239	1.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	393323	109.577	ug/l #	14
82) 4-Chlorotoluene	12.65	91	20576	0.511	ug/l	77
84) 1,2,4-Trimethylbenzene	13.04	105	244400	5.125	ug/l	98
85) sec-Butylbenzene	13.04	105	244400	4.343	ug/l #	56
90) Hexachloroethane	13.89	117	6599	0.808	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	456	0.231	ug/l #	1
95) Naphthalene	15.13	128	62201	2.178	ug/l	99

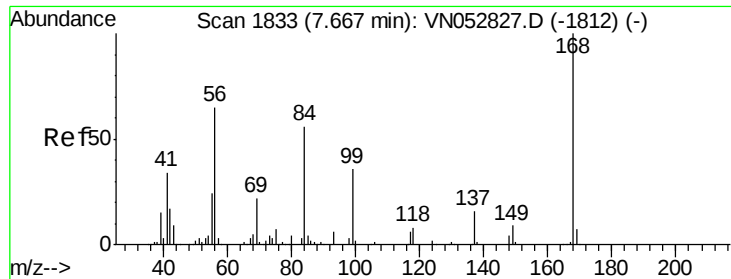
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

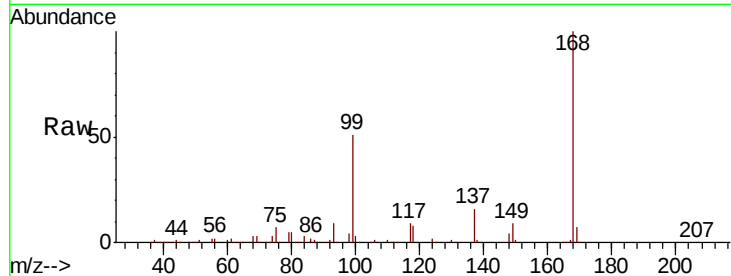
23722

Tot Ion:168 Resp: 1274051

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052917.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052917.D (-1740) (-)

7.67

600000

500000

400000

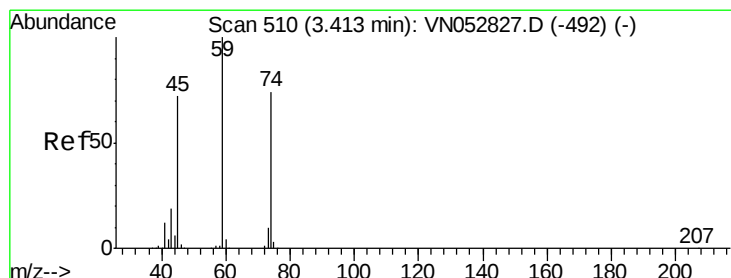
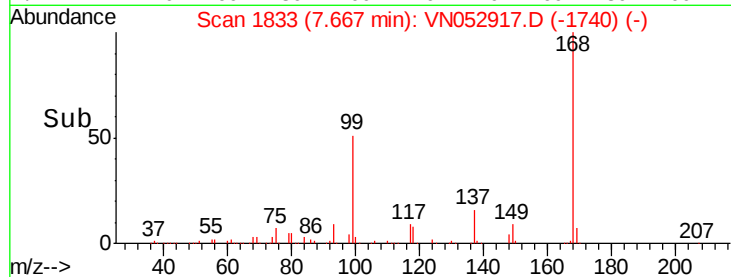
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 2.908 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN052917.D

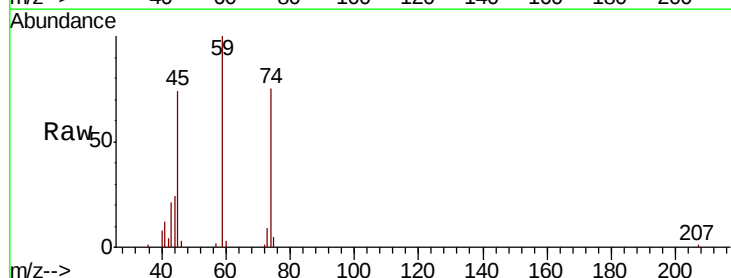
Acq: 17 Dec 2018 10:44

Tgt Ion: 74 Resp: 20708

Ion Ratio Lower Upper

74 100

45 106.9 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VN052917.D (-417) (-)

Ion 45.00 (44.70 to 45.70): VN052917.D (-417) (-)

3.41

10000

8000

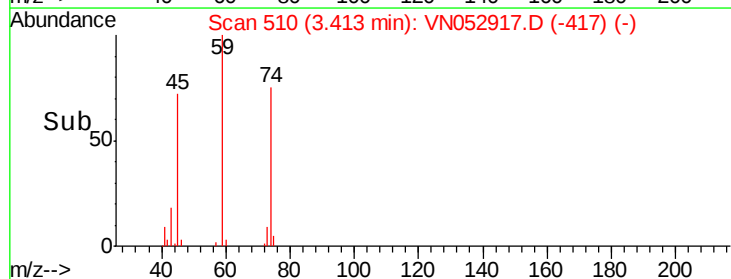
6000

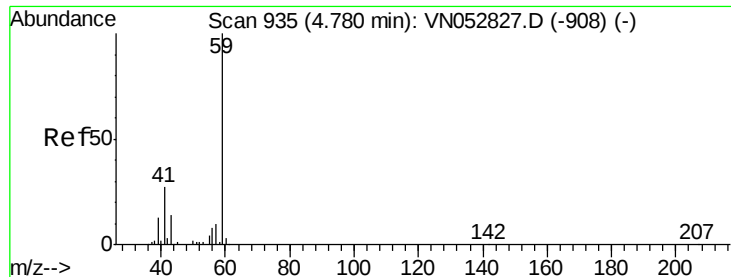
4000

2000

0

Time-->





#11

Tert butyl alcohol

Concen: 48.929 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

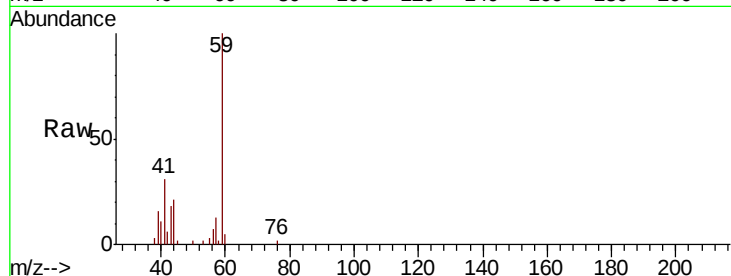
23722

Tot Ion: 59 Resp: 37036

Ion Ratio Lower Upper

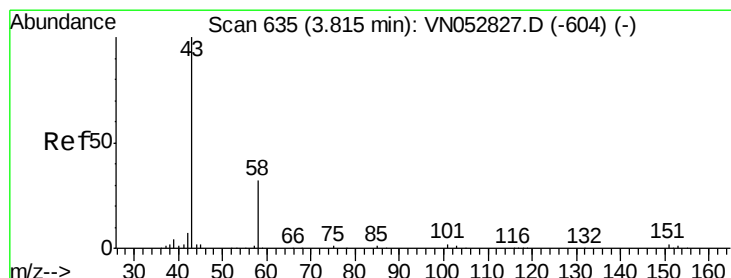
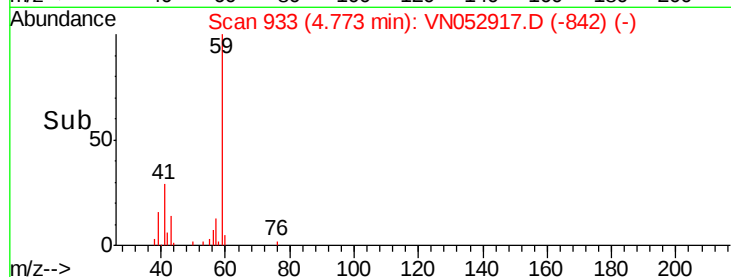
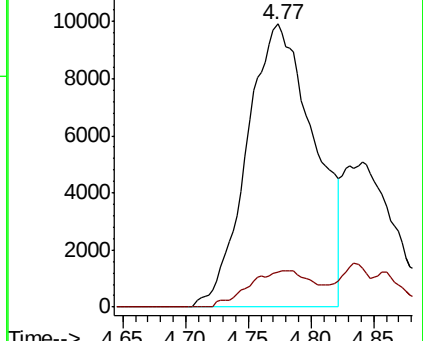
59 100

57 12.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 153.741 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052917.D

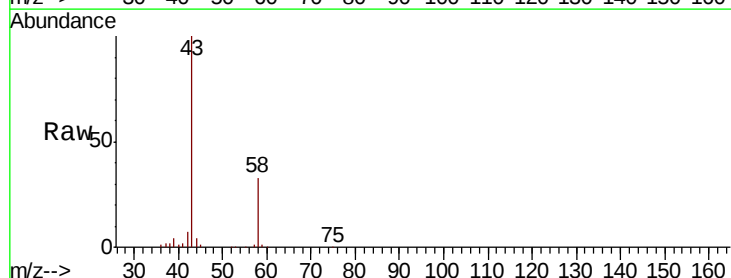
Acq: 17 Dec 2018 10:44

Tgt Ion: 43 Resp: 467760

Ion Ratio Lower Upper

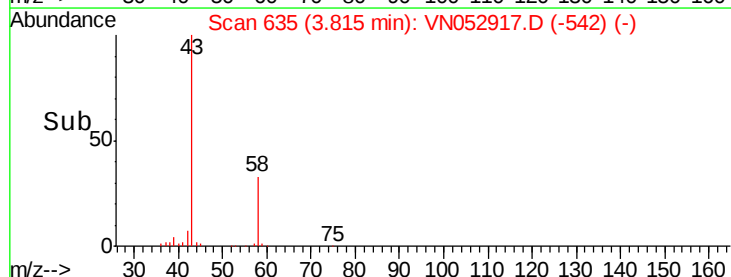
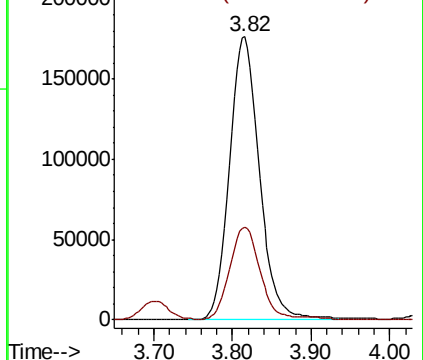
43 100

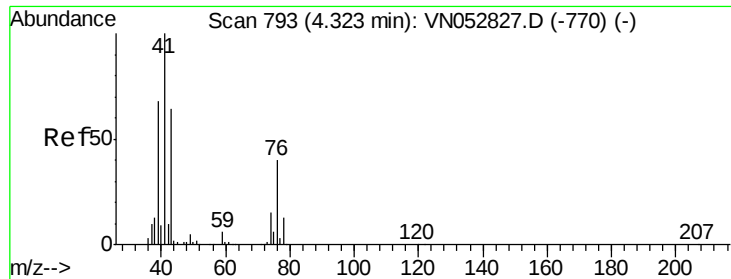
58 32.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

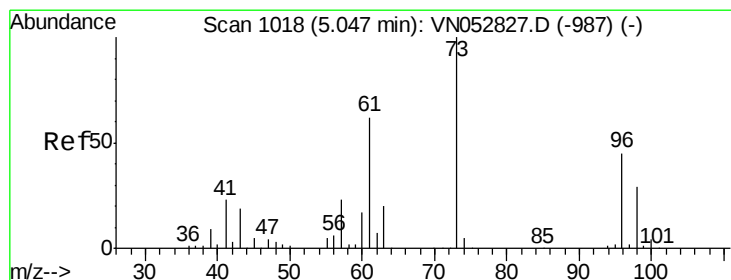
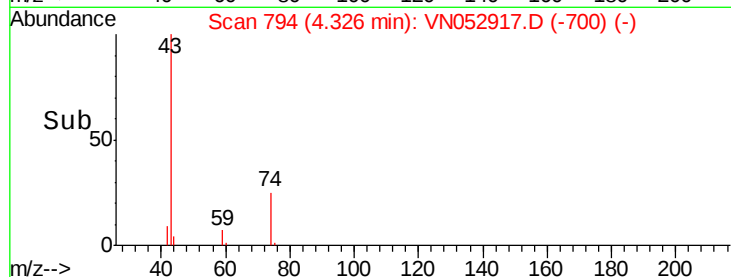
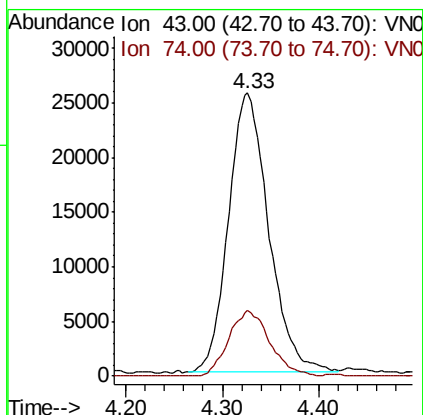
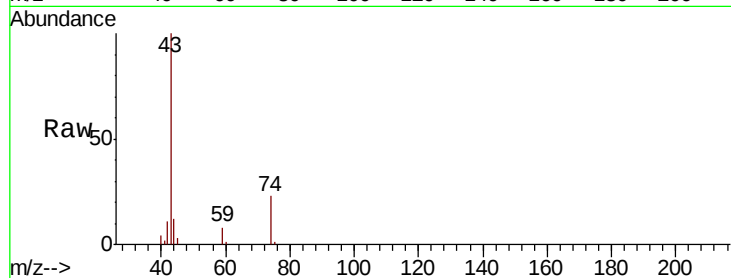




#18
Methyl Acetate
Concen: 6.592 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

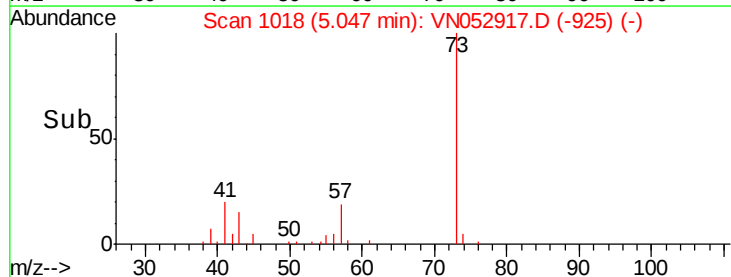
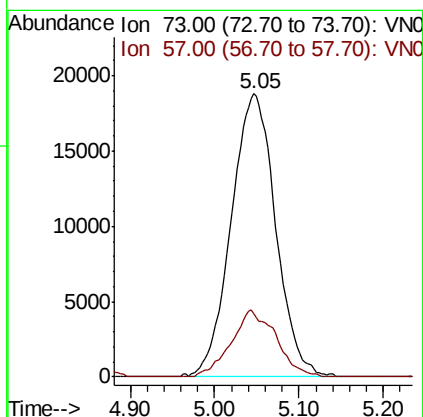
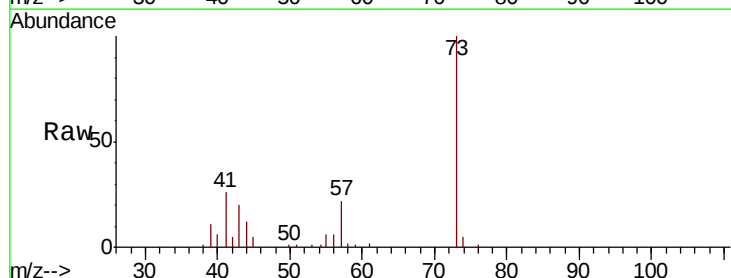
Instrument :
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ClientSampled :
23722

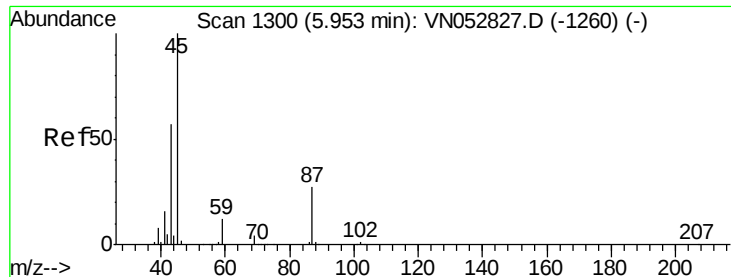
Tot Ion: 43 Resp: 73606
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#19
Methyl tert-butyl Ether
Concen: 2.164 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 73 Resp: 68802
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6





#22

Diisopropyl ether

Concen: 18.566 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

23722

Tot Ion: 45 Resp: 757816

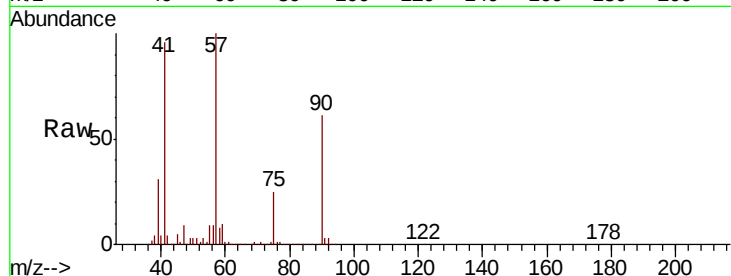
Ion Ratio Lower Upper

45 100

43 5.4 45.5 68.3#

87 0.4 22.0 33.0#

59 204.2 9.4 14.0#

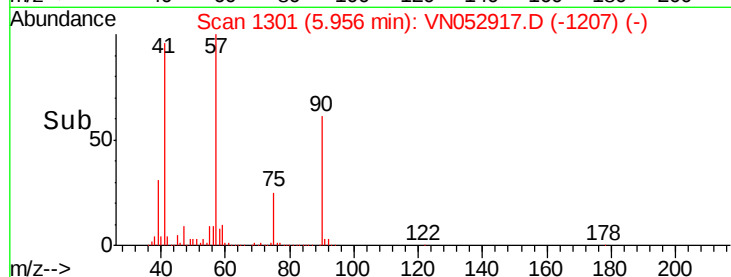
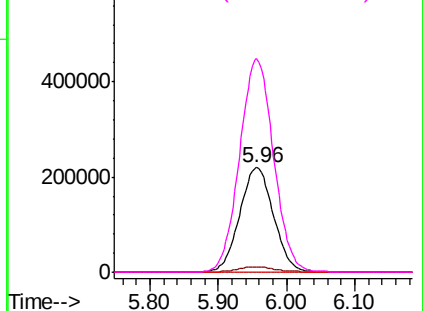


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 1.840 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.06 min

Lab File: VN052917.D

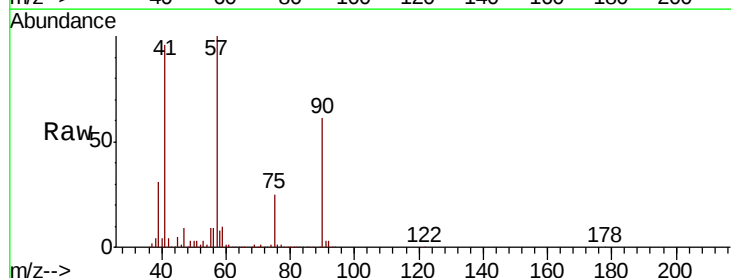
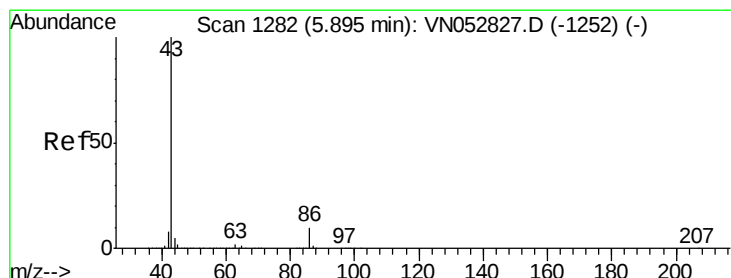
Acq: 17 Dec 2018 10:44

Tgt Ion: 43 Resp: 44677

Ion Ratio Lower Upper

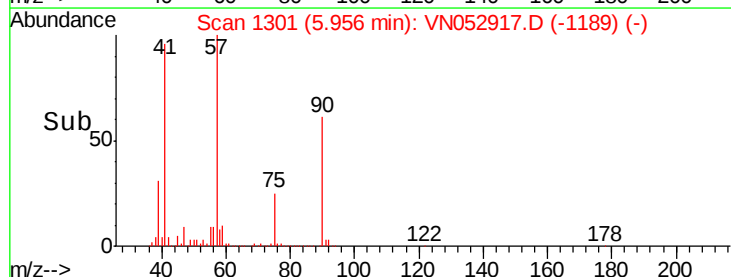
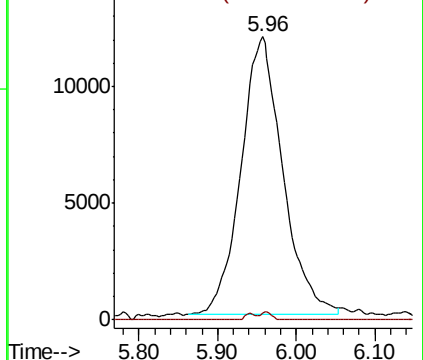
43 100

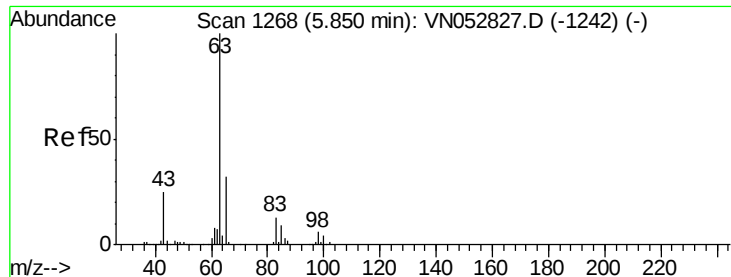
86 2.4 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#24

1,1-Dichloroethane

Concen: 0.230 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.10 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

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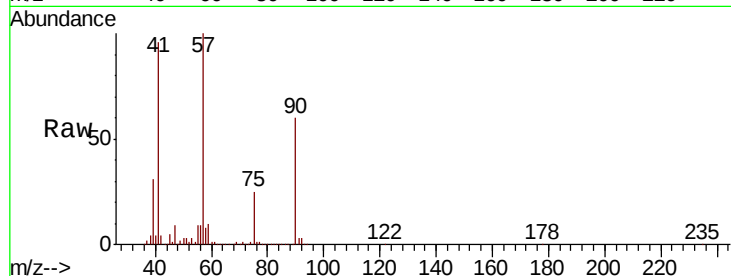
Tot Ion: 63 Resp: 5417

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

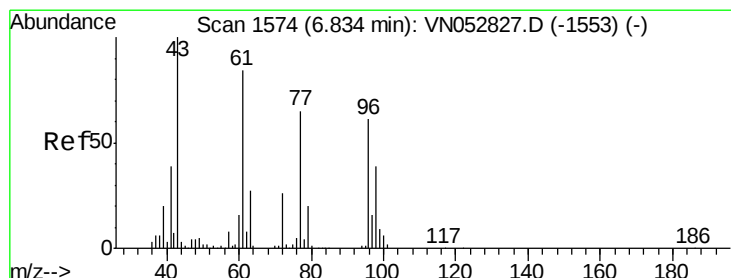
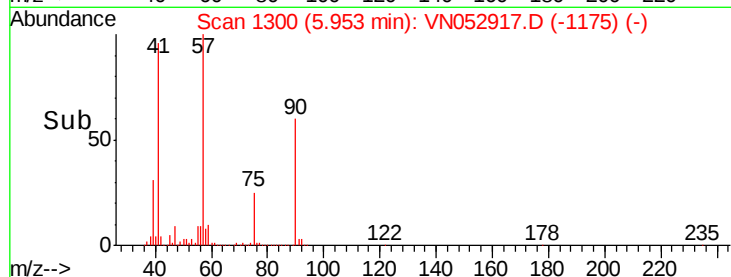
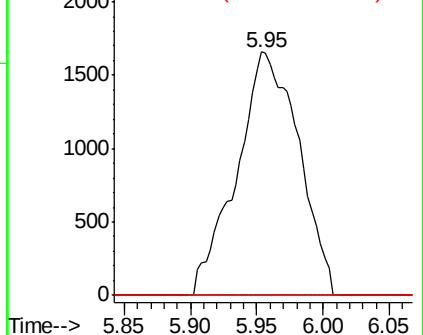
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN052917.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN052917.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN052917.D (-1175) (-)



#25

2-Butanone

Concen: 19.554 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052917.D

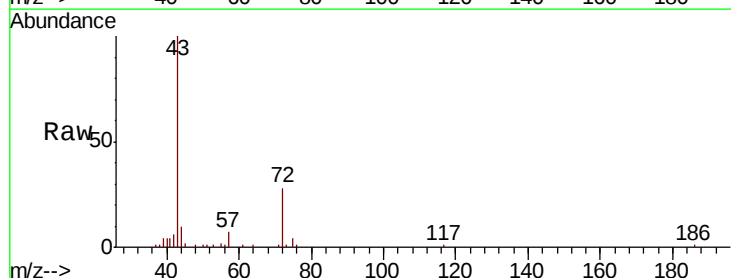
Acq: 17 Dec 2018 10:44

Tgt Ion: 43 Resp: 92314

Ion Ratio Lower Upper

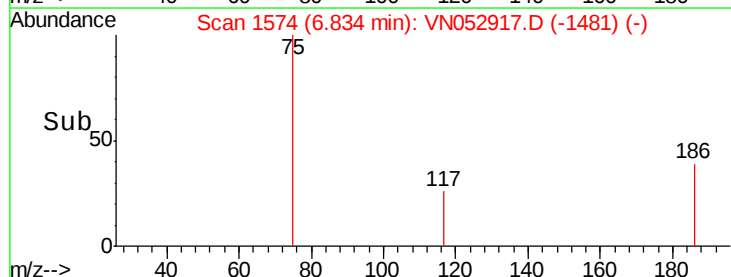
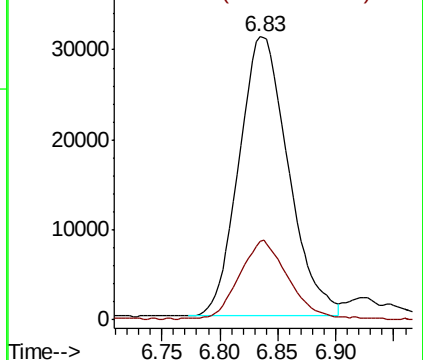
43 100

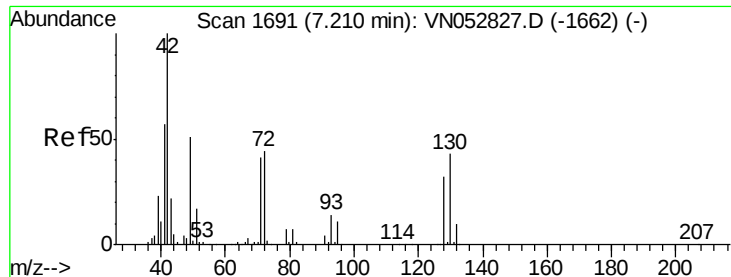
72 27.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN052917.D (-1481) (-)

Ion 72.00 (71.70 to 72.70): VN052917.D (-1481) (-)

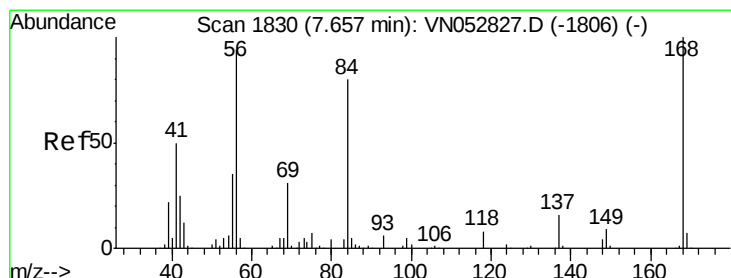
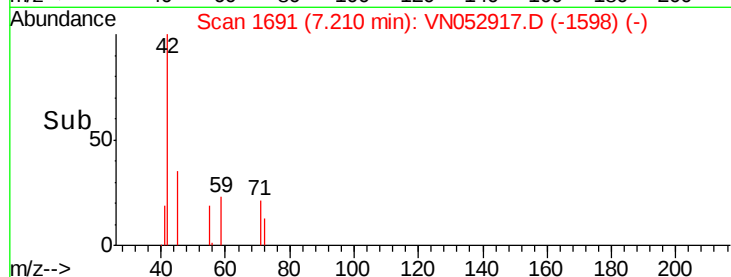
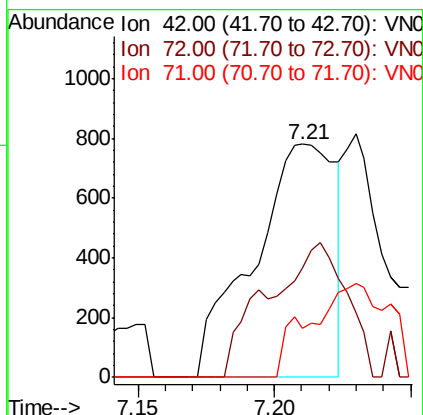
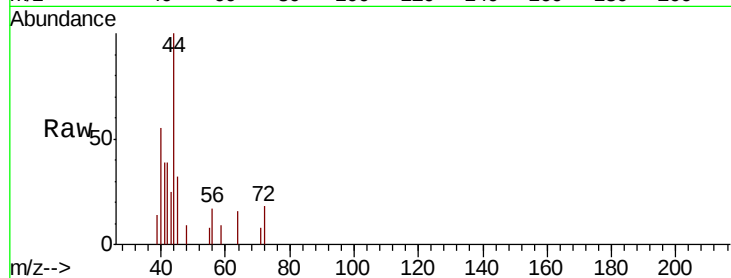




#29
Tetrahydrofuran
Concen: 0.507 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

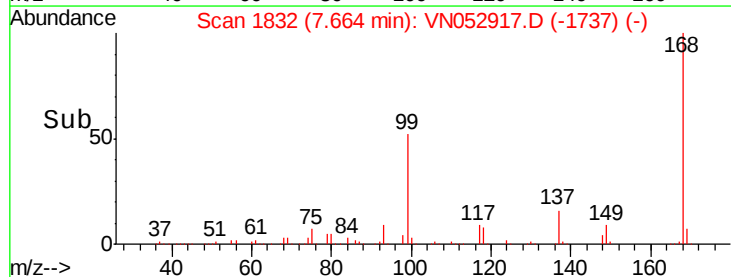
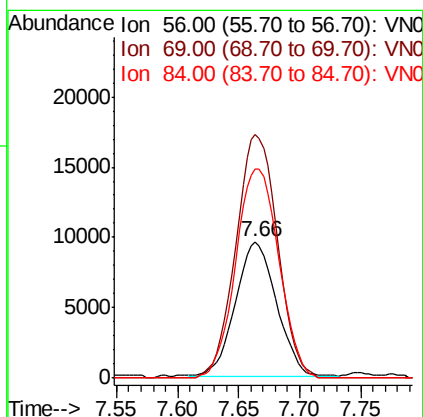
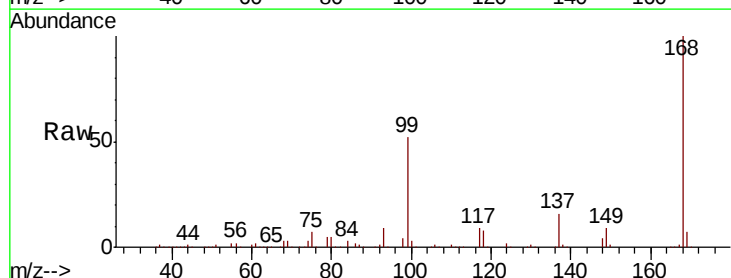
Instrument :
MSVOA_N
ClientSampled :
23722

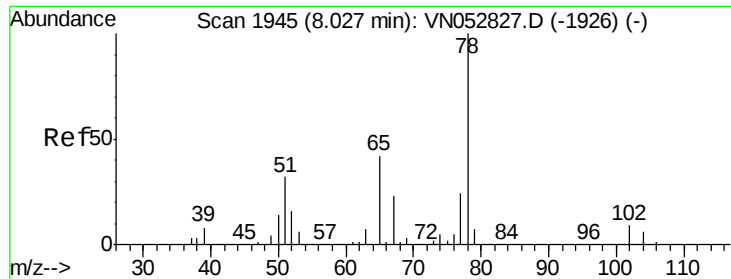
Tot Ion: 42 Resp: 1634
Ion Ratio Lower Upper
42 100
72 38.4 34.7 52.1
71 6.3 32.3 48.5#



#31
Cyclohexane
Concen: 0.386 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 56 Resp: 22082
Ion Ratio Lower Upper
56 100
69 181.7 26.6 39.8#
84 155.6 68.4 102.6#

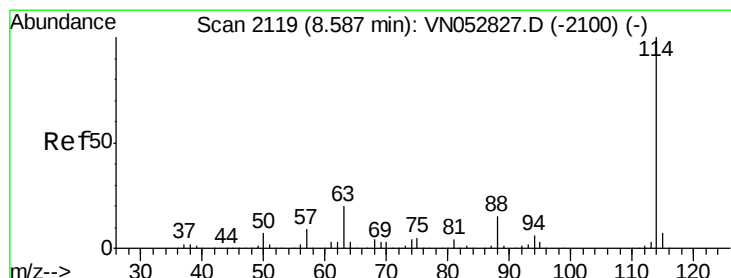
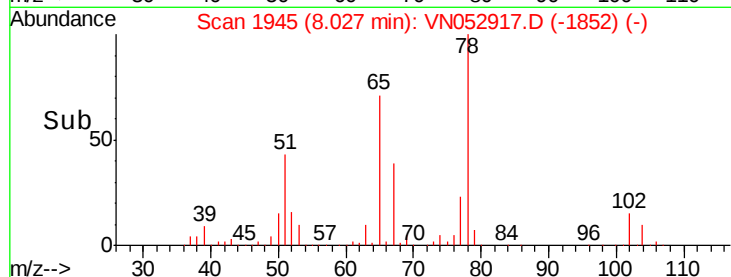
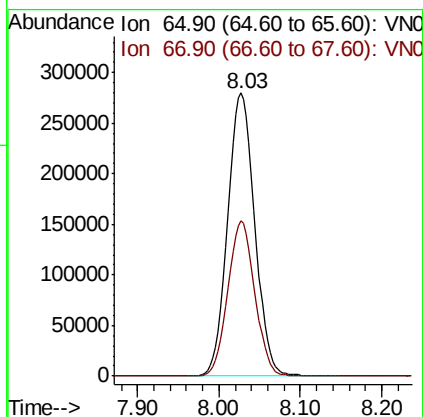
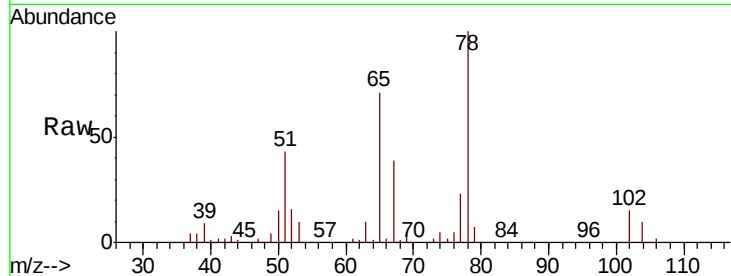




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

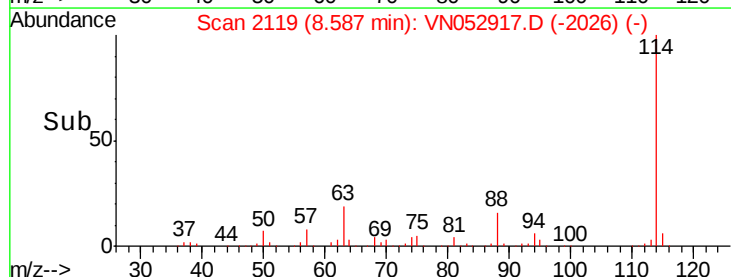
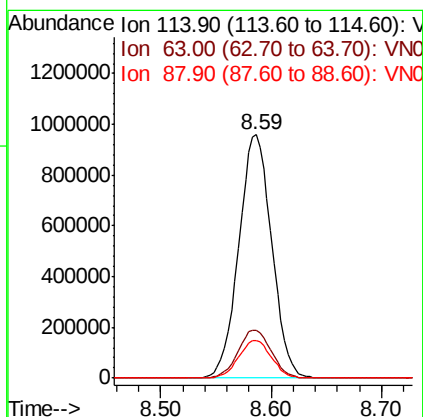
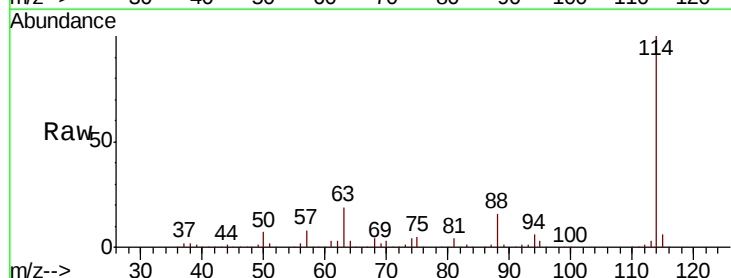
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

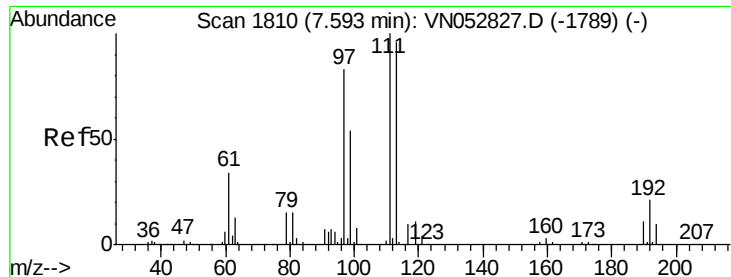
Tot Ion: 65 Resp: 654210
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion: 114 Resp: 1978105
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.6 0.0 31.0

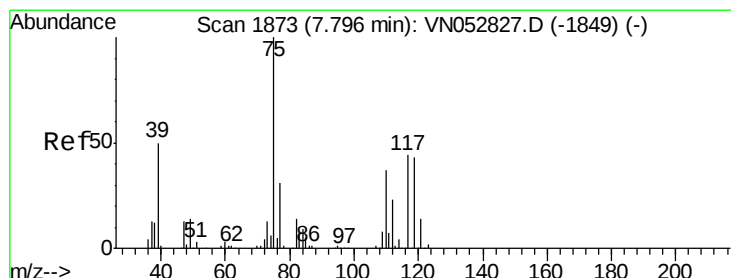
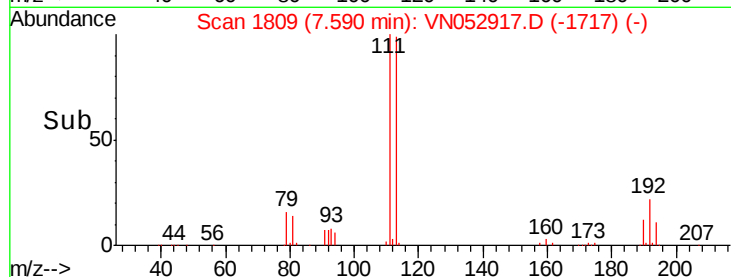
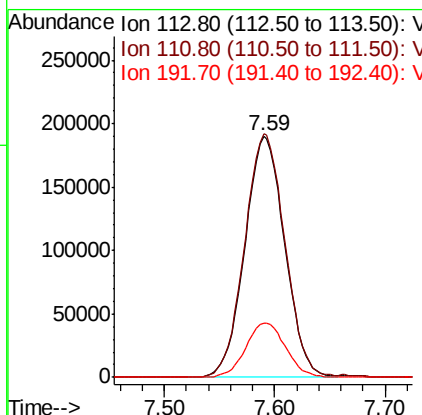
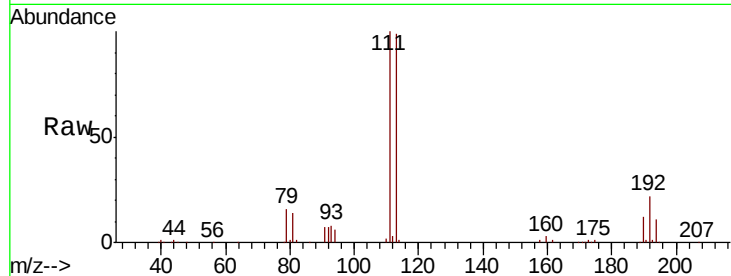




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

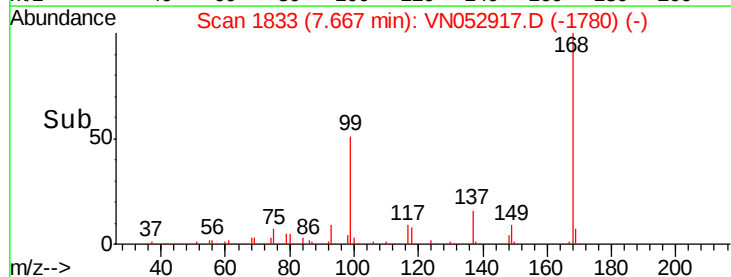
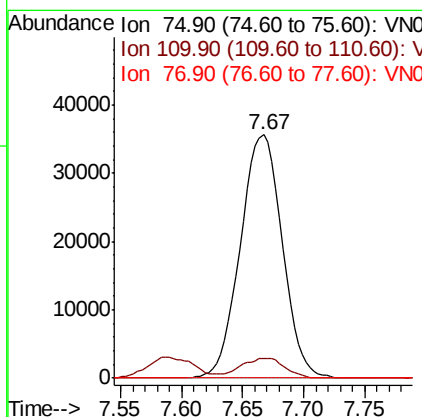
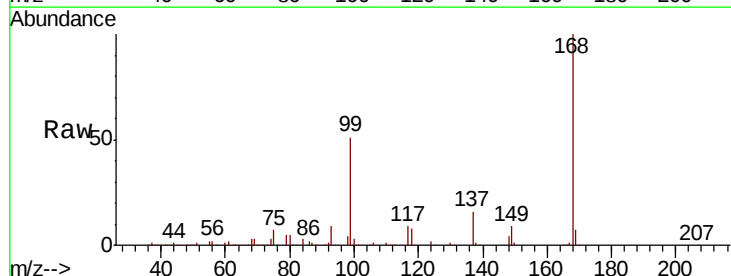
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

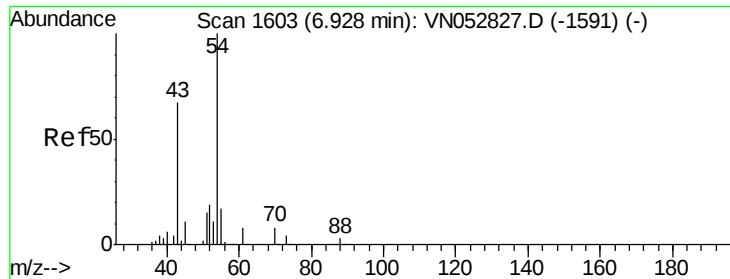
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#

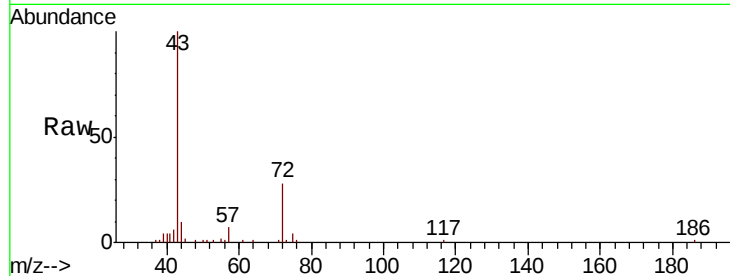




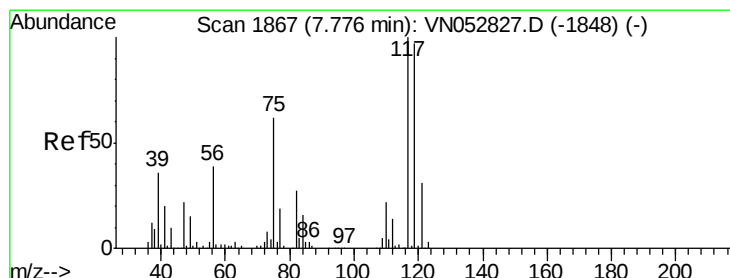
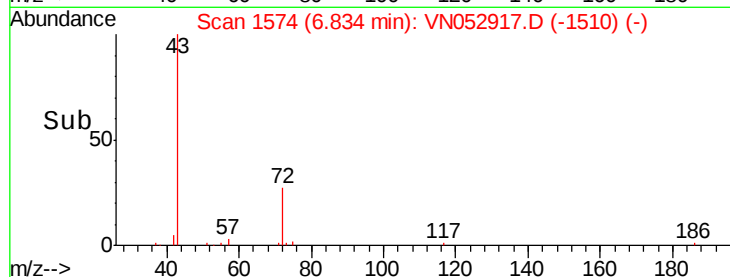
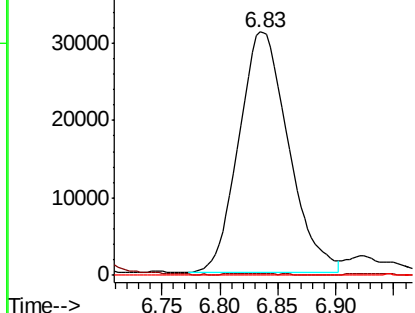
#37
Ethyl Acetate
Concen: 8.436 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.09 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
23722

Tot Ion: 43 Resp: 92314
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#

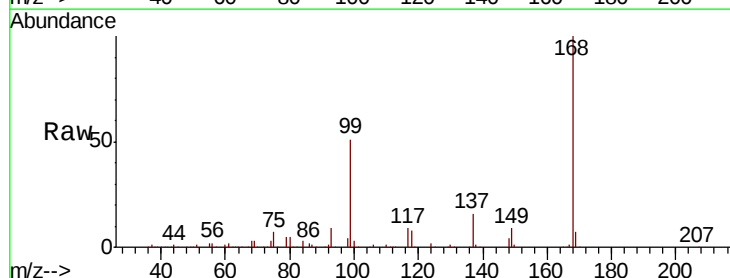


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

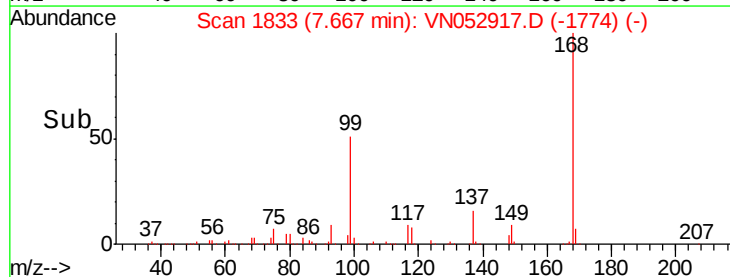
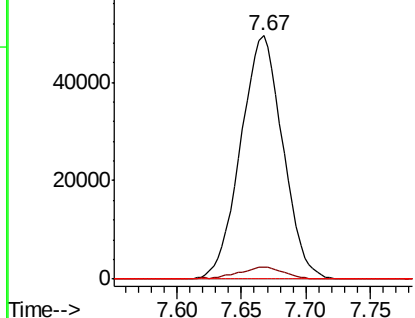


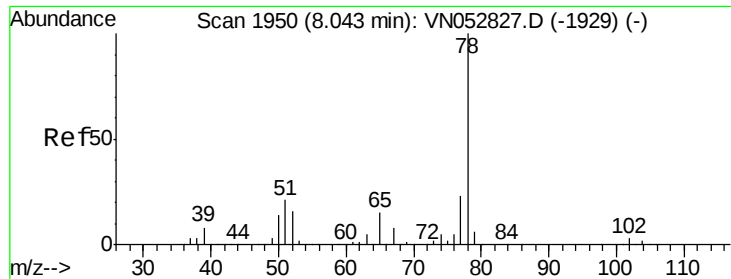
#38
Carbon Tetrachloride
Concen: 6.740 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 117 Resp: 113006
Ion Ratio Lower Upper
117 100
119 4.8 77.1 115.7#
121 0.0 24.9 37.3#



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





#40

Benzene

Concen: 27.722 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

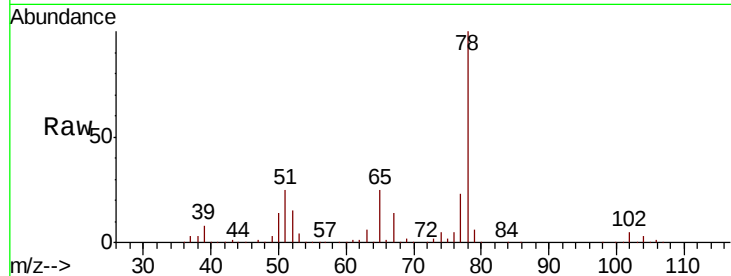
23722

Tot Ion: 78 Resp: 1515625

Ion Ratio Lower Upper

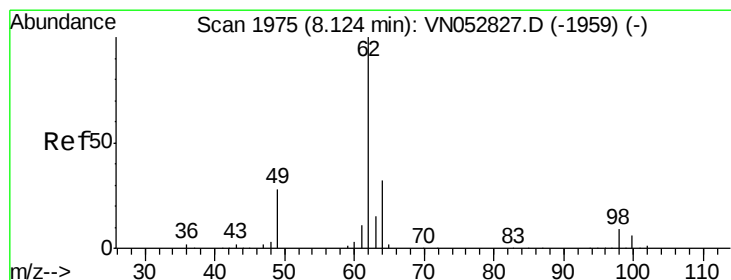
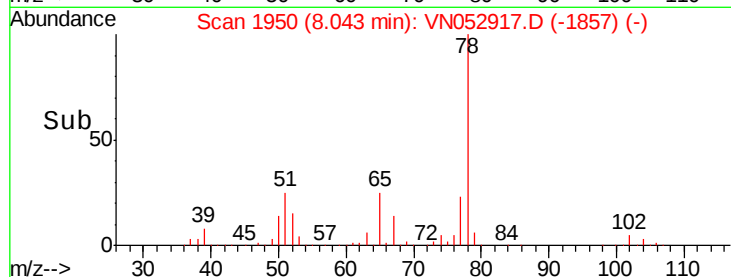
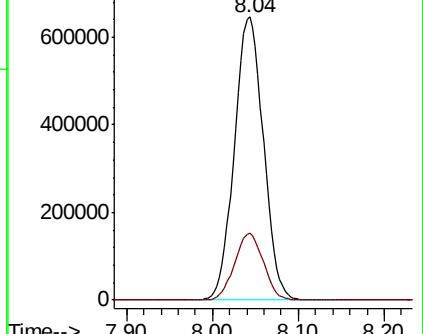
78 100

77 23.5 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VN052917.D

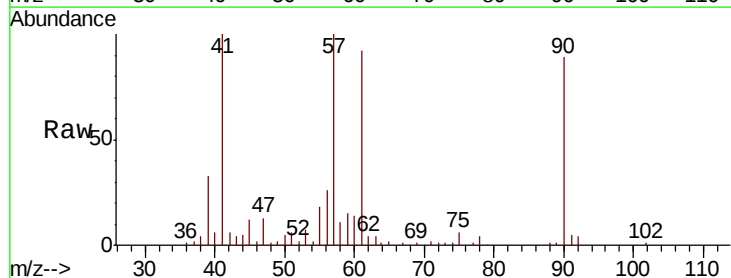
Acq: 17 Dec 2018 10:44

Tgt Ion: 62 Resp: 3753

Ion Ratio Lower Upper

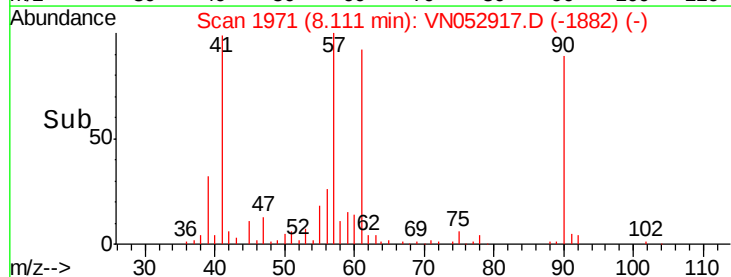
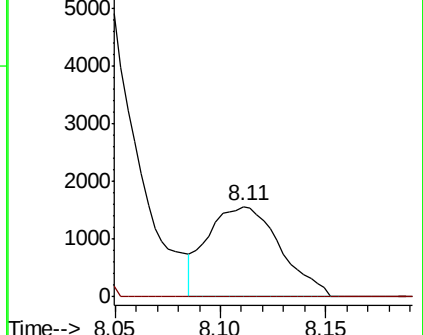
62 100

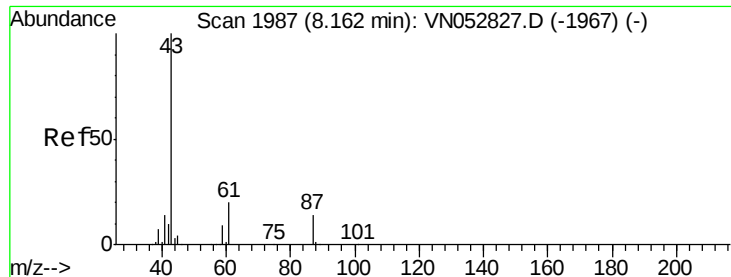
98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.590 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

23722

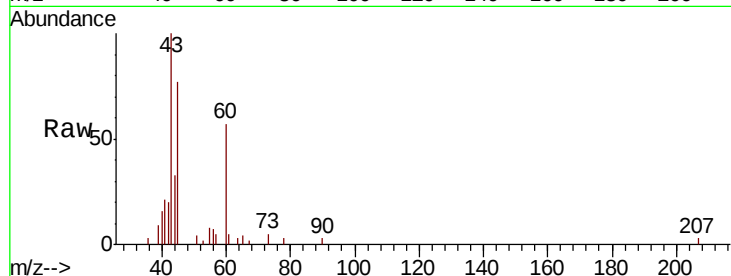
Tot Ion: 43 Resp: 13237

Ion Ratio Lower Upper

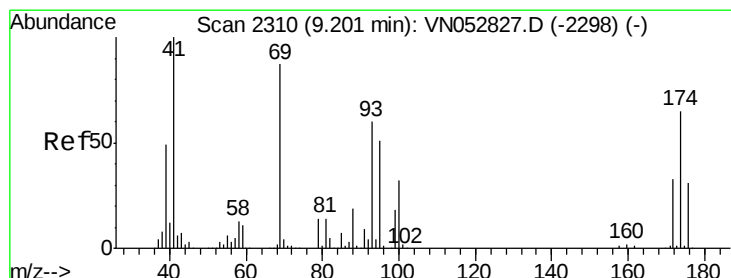
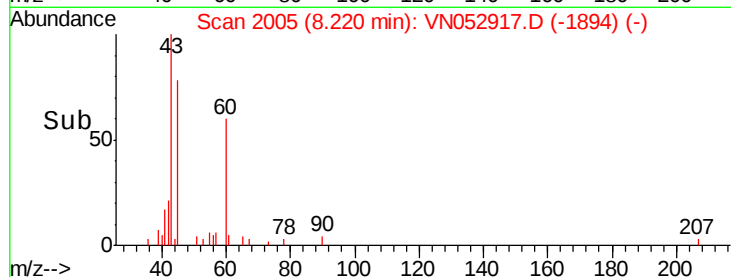
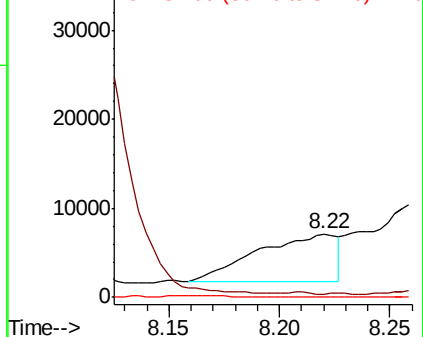
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



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



#48

Methyl methacrylate

Concen: 1.432 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.04 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

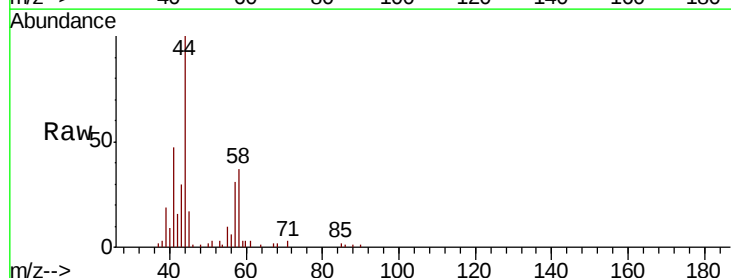
Tgt Ion: 41 Resp: 14086

Ion Ratio Lower Upper

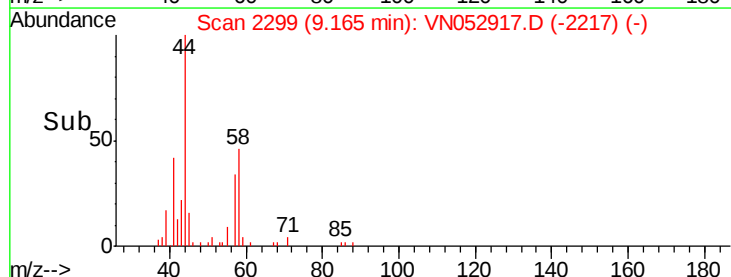
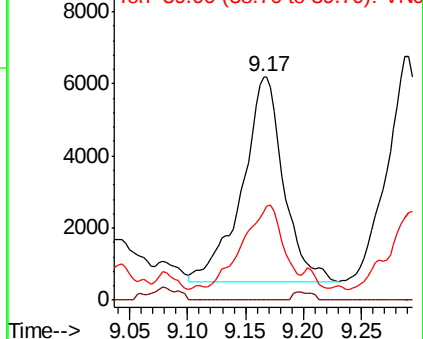
41 100

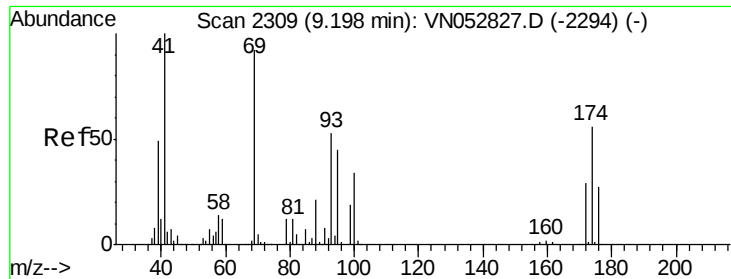
69 0.0 72.2 108.2#

39 39.4 41.9 62.9#



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

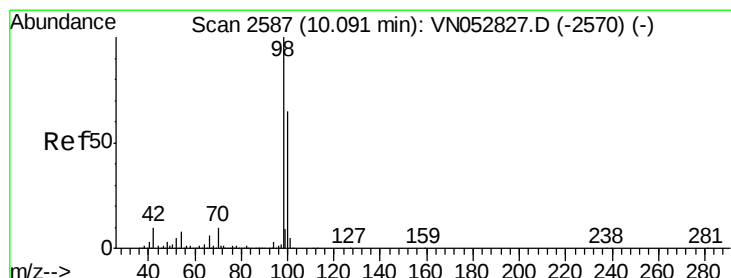
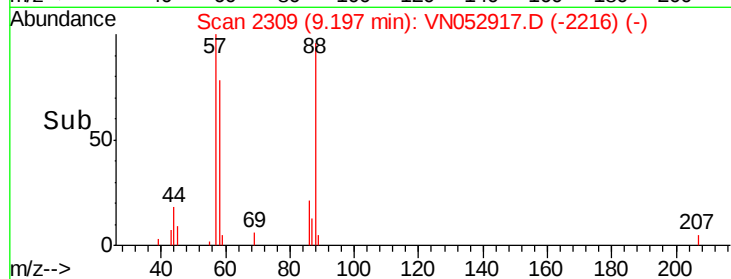
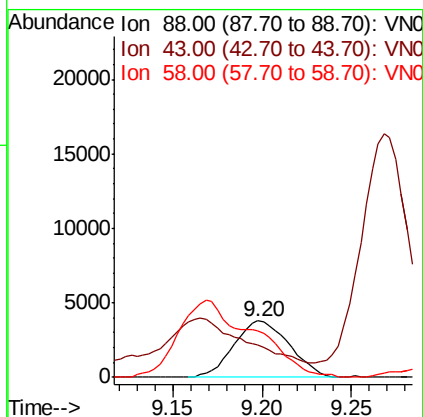
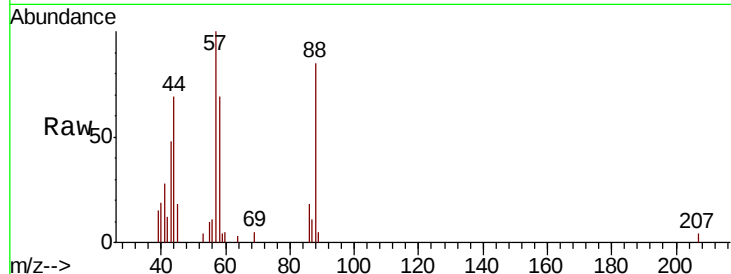




#49
 1,4-Dioxane
 Concen: 73.244 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

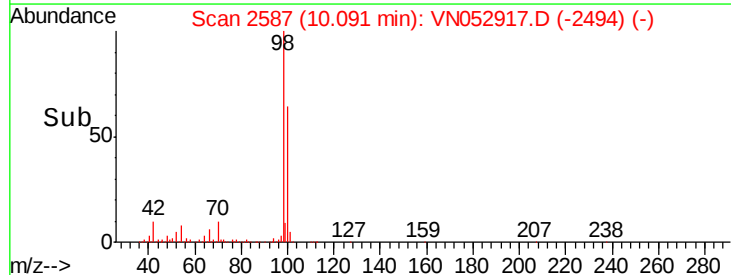
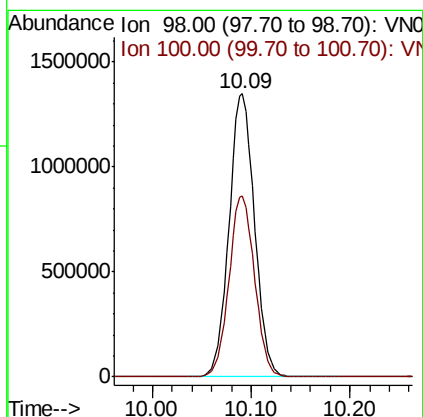
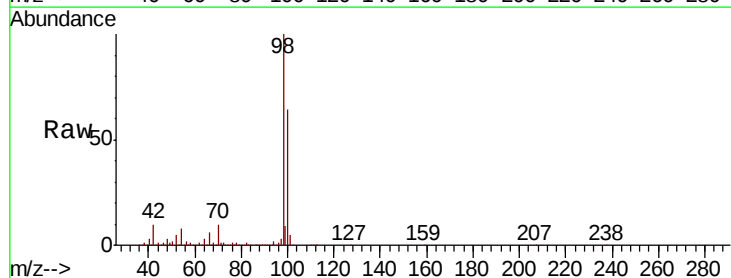
Instrument :
 MSVOA_N
 ClientSampleId :
 23722

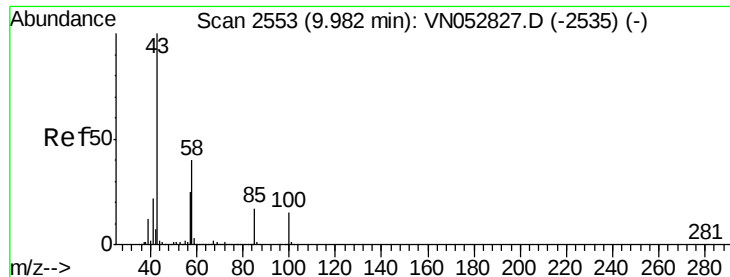
Tot Ion: 88 Resp: 8180
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 40.0#
 58 0.0 58.4 87.6#



#50
 Toluene-d8
 Concen: 73.244 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052917.D
 Acq: 17 Dec 2018 10:44

Tgt Ion: 98 Resp: 2433401
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 2.666 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

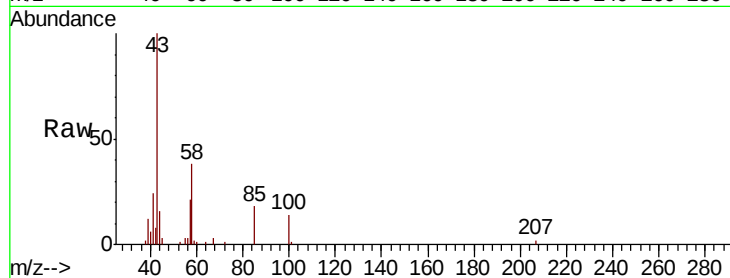
23722

Tot Ion: 43 Resp: 27426

Ion Ratio Lower Upper

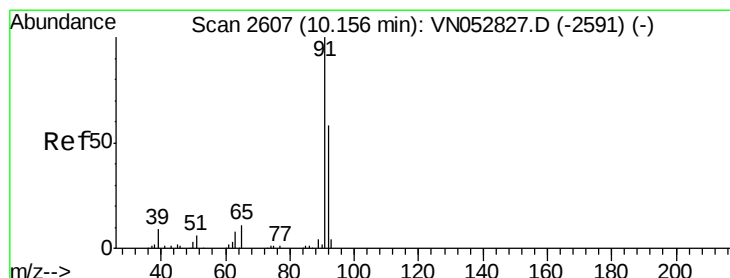
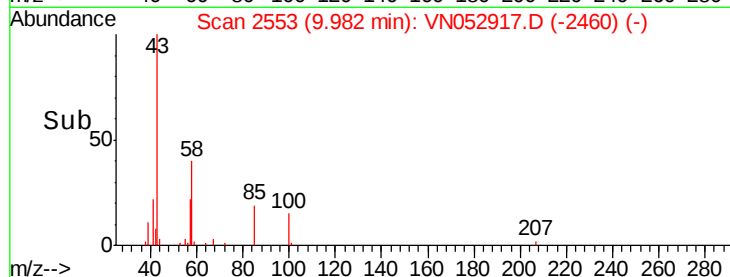
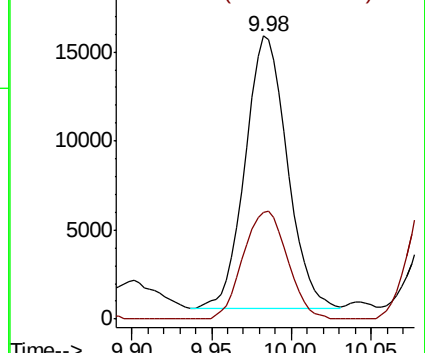
43 100

58 41.8 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-2535) (-)



#52

Toluene

Concen: 54.697 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052917.D

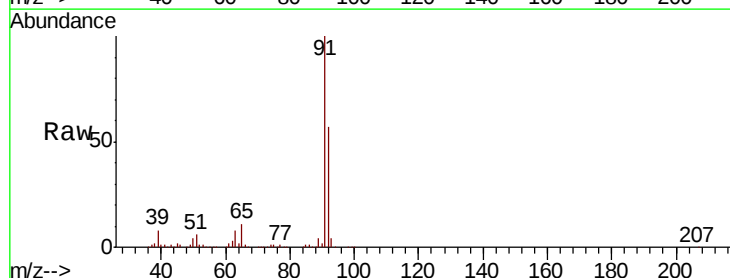
Acq: 17 Dec 2018 10:44

Tgt Ion: 92 Resp: 1811181

Ion Ratio Lower Upper

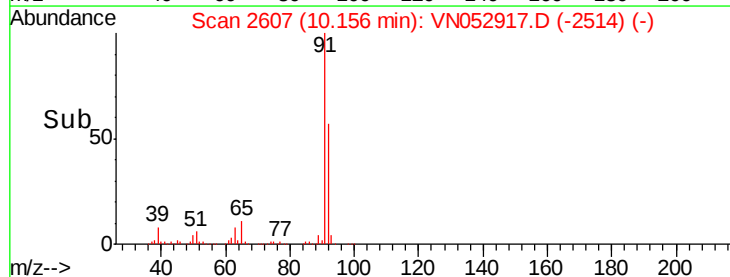
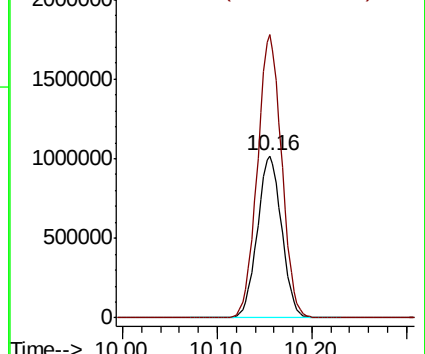
92 100

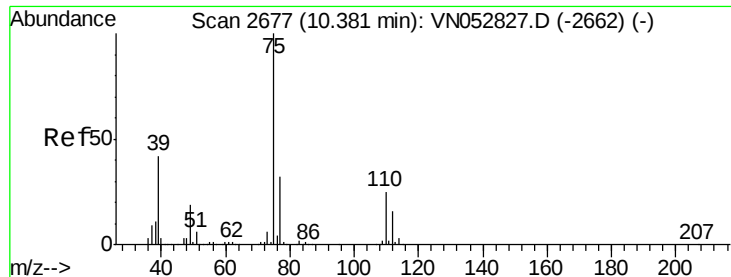
91 174.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052827.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 0.503 ug/l

RT: 10.27 min Scan# 2644

Delta R.T. -0.11 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

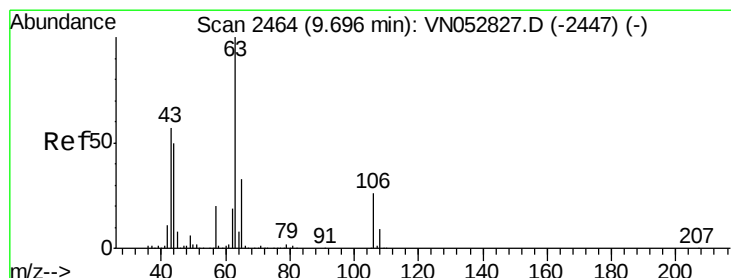
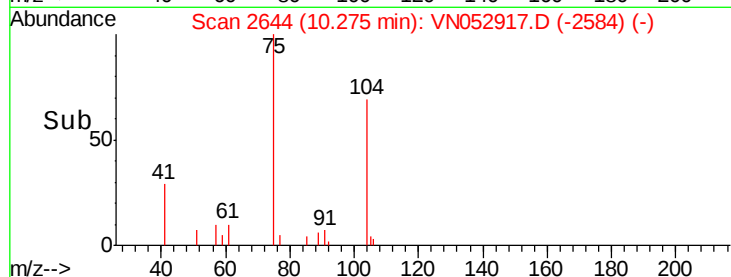
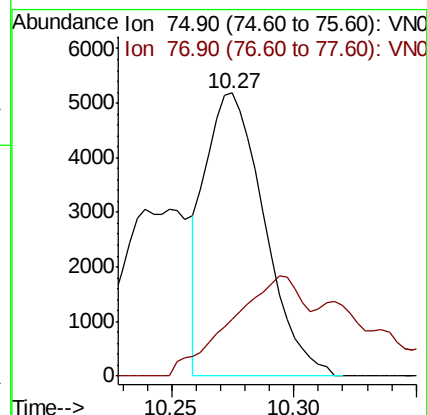
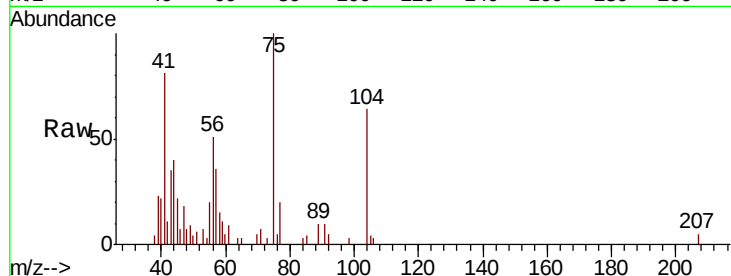
23722

Tot Ion: 75 Resp: 8714

Ion Ratio Lower Upper

75 100

77 13.4 25.6 38.4#



#58

2-Chloroethyl Vinyl ether

Concen: 0.472 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. 0.11 min

Lab File: VN052917.D

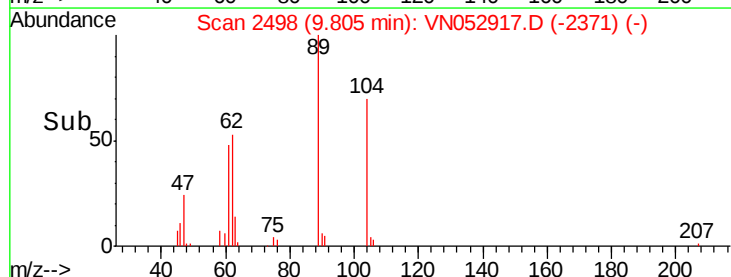
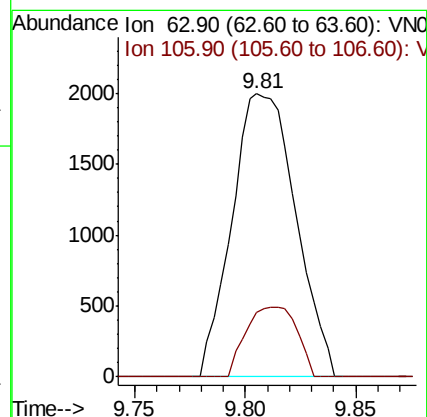
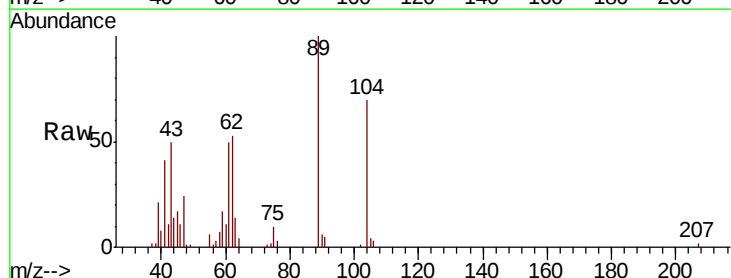
Acq: 17 Dec 2018 10:44

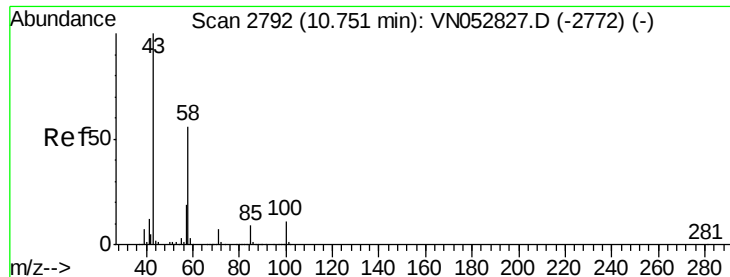
Tgt Ion: 63 Resp: 3995

Ion Ratio Lower Upper

63 100

106 19.7 21.0 31.6#

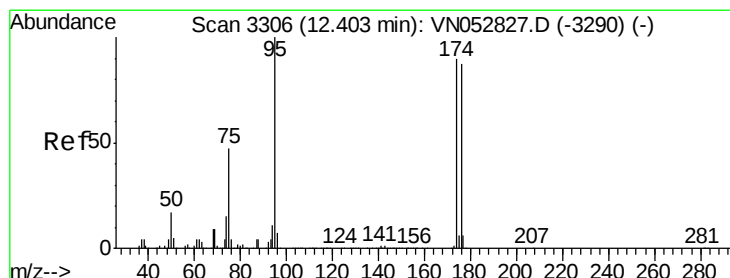
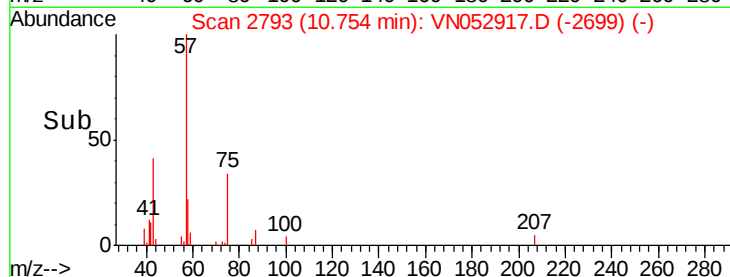
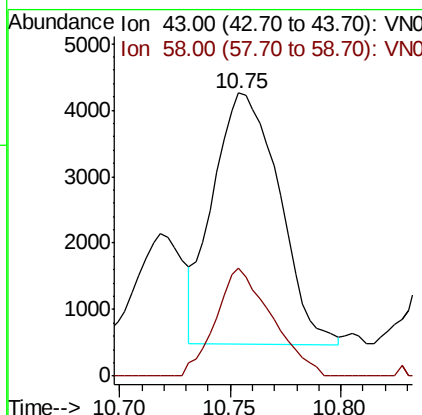
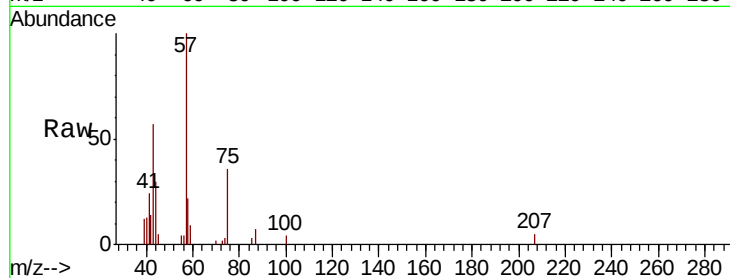




#59
2-Hexanone
Concen: 1.110 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

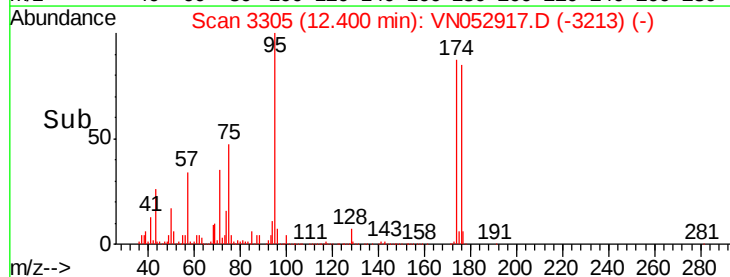
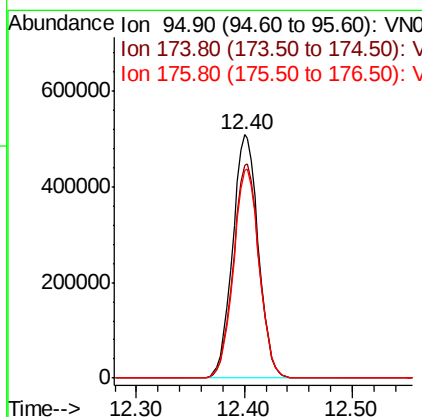
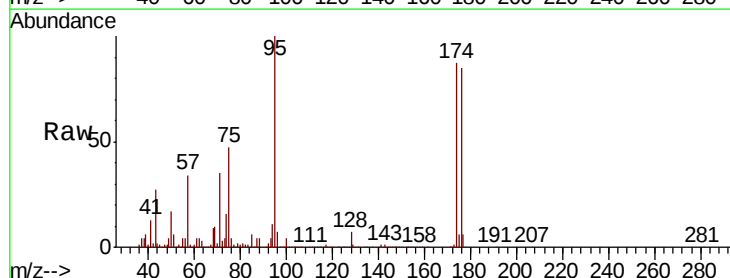
Instrument :
MSVOA_N
ClientSampled :
23722

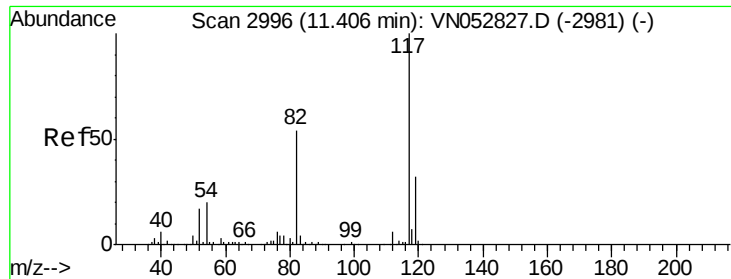
Tot Ion: 43 Resp: 7829
Ion Ratio Lower Upper
43 100
58 36.5 28.1 84.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 95 Resp: 846007
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.8
176 85.6 0.0 173.8

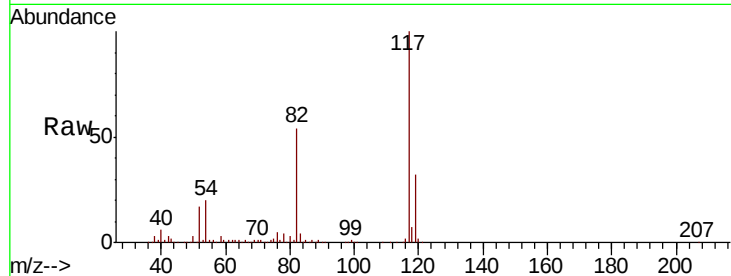




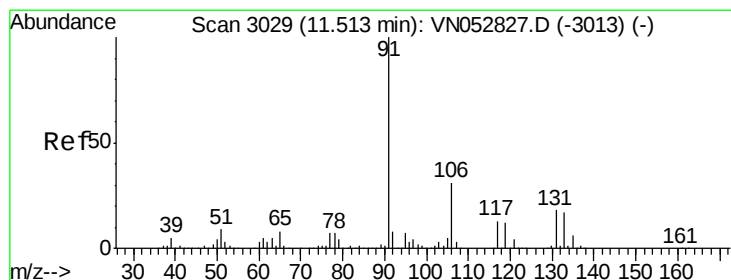
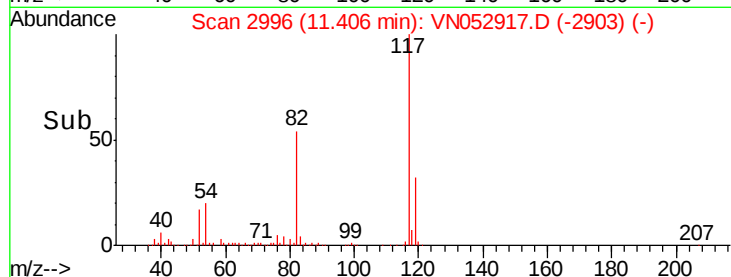
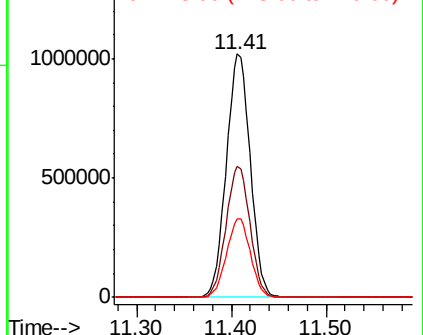
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampled :
23722

Tot Ion:117 Resp: 1791687
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.2 25.5 38.3

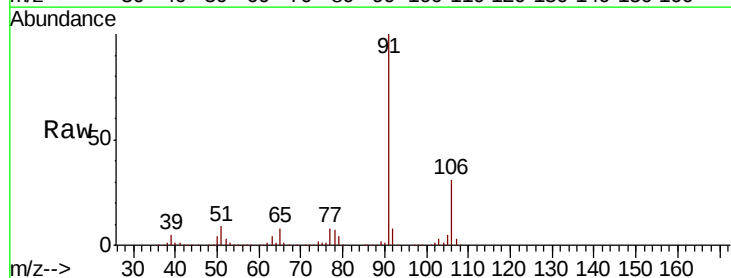


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

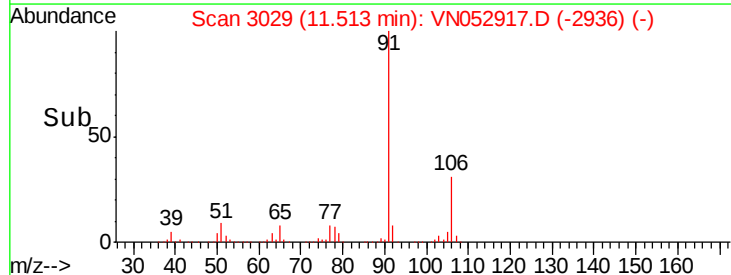
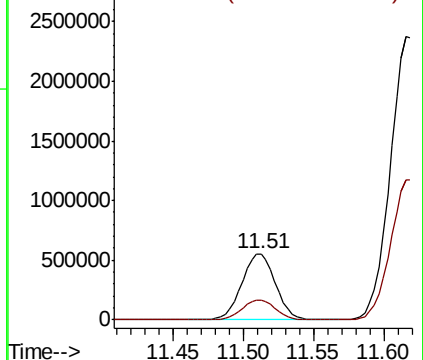


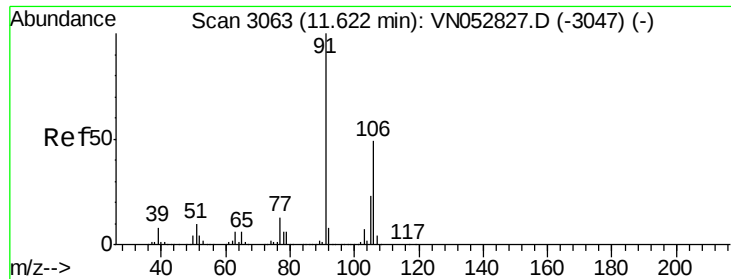
#67
Ethyl Benzene
Concen: 14.434 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion: 91 Resp: 921405
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

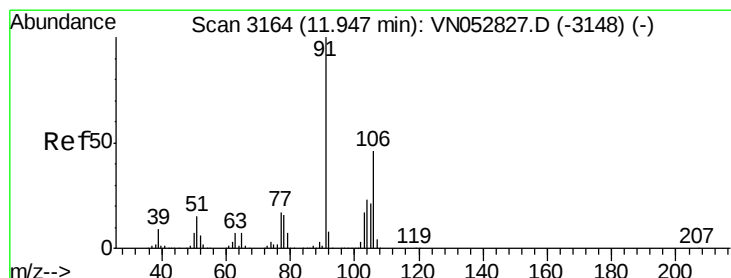
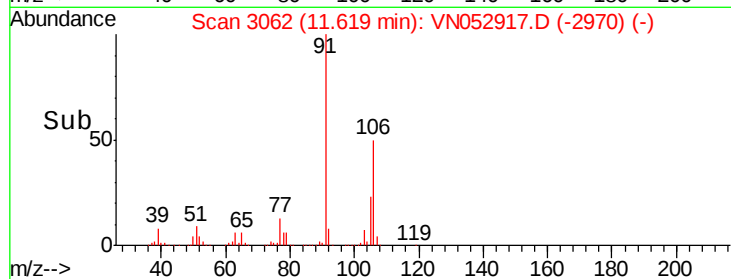
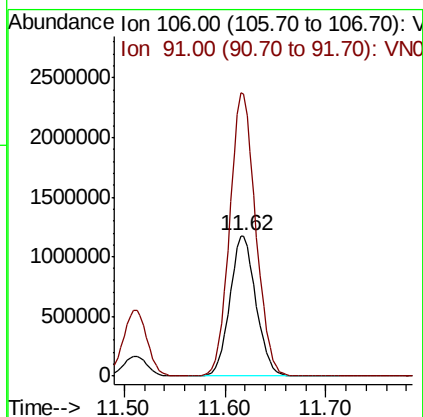
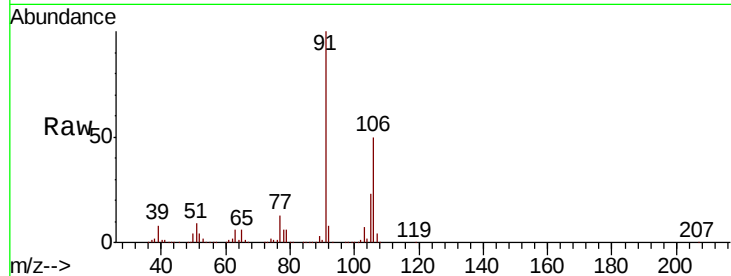




#68
m/p-Xylenes
Concen: 88.057 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

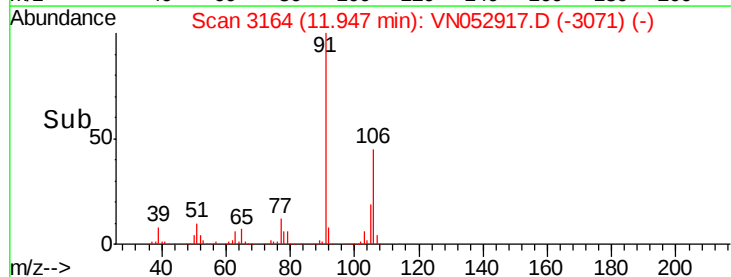
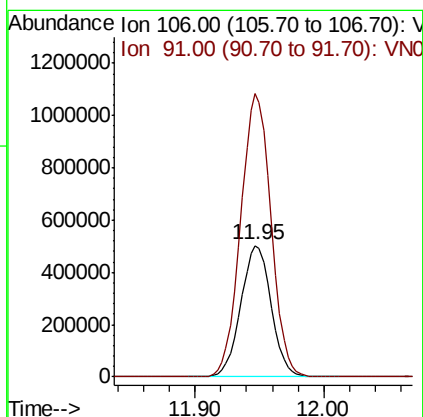
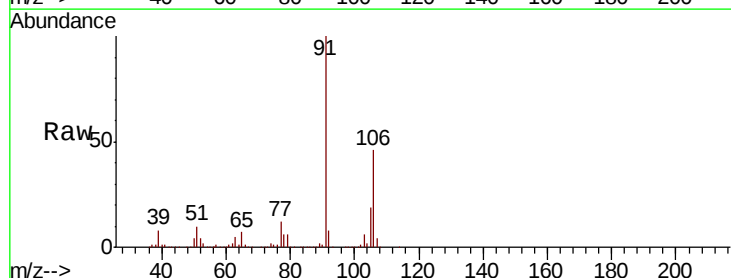
Instrument :
MSVOA_N
ClientSampled :
23722

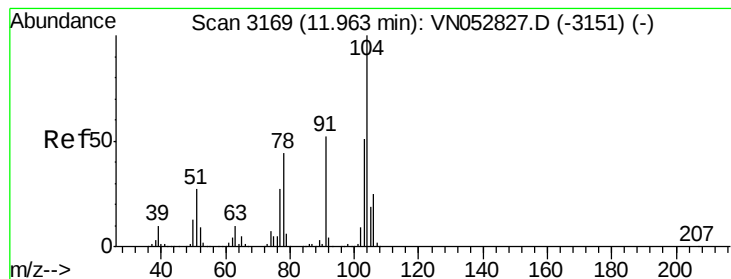
Tot Ion:106 Resp: 2110644
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.4



#69
o-Xylene
Concen: 34.938 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion:106 Resp: 817736
Ion Ratio Lower Upper
106 100
91 216.5 106.6 319.8





#70

Stvrene

Concen: 1.079 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :
23722

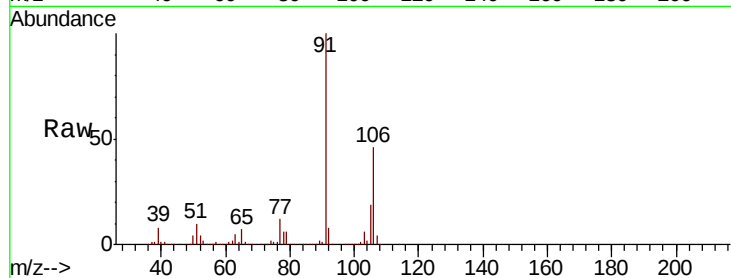
Tot Ion:104 Resp: 40613

Ion Ratio Lower Upper

104 100

78 279.0 38.9 58.3#

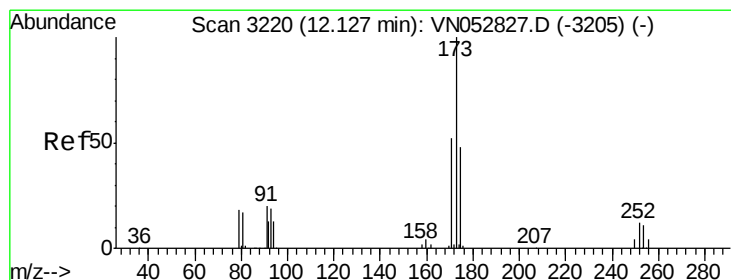
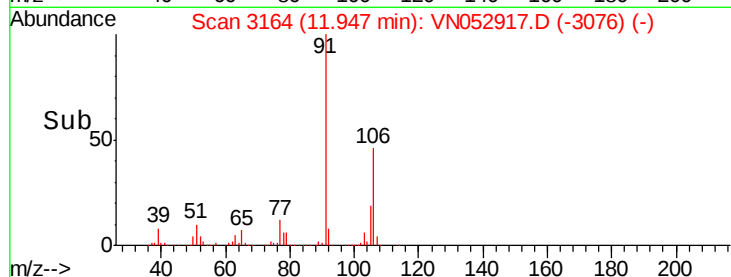
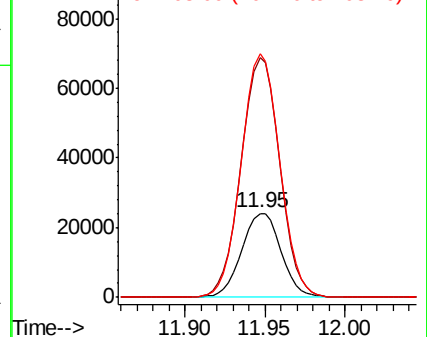
103 282.1 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.567 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

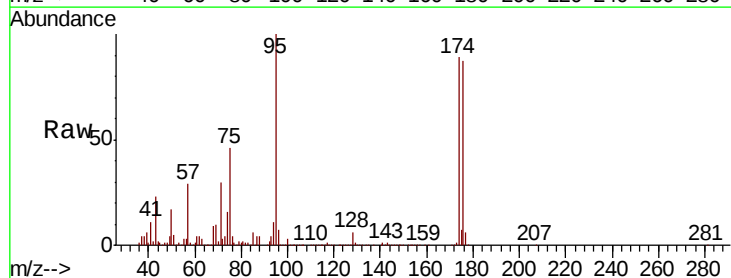
Tgt Ion:173 Resp: 4978

Ion Ratio Lower Upper

173 100

175 968.0 24.3 72.9#

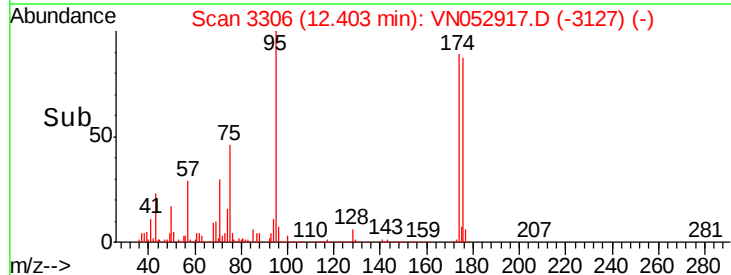
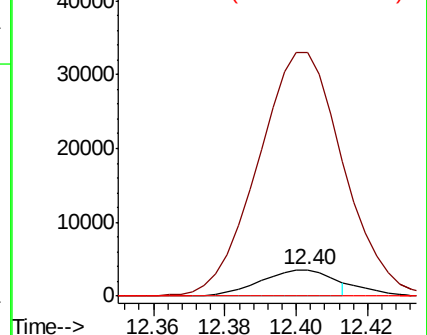
254 0.0 0.1 0.1#

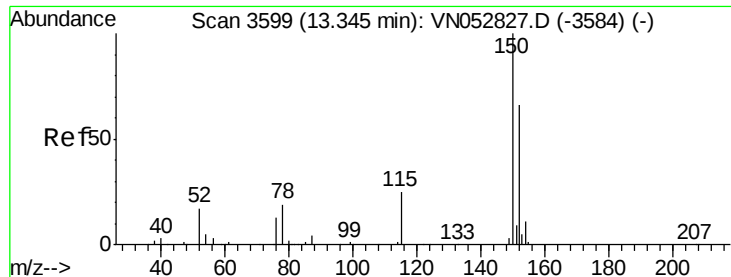


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



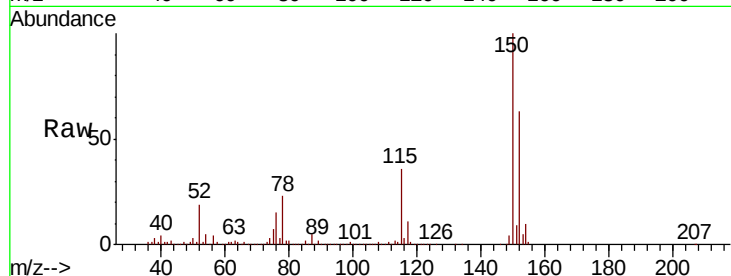


#72

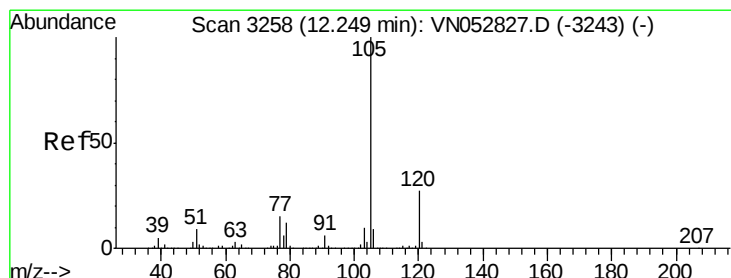
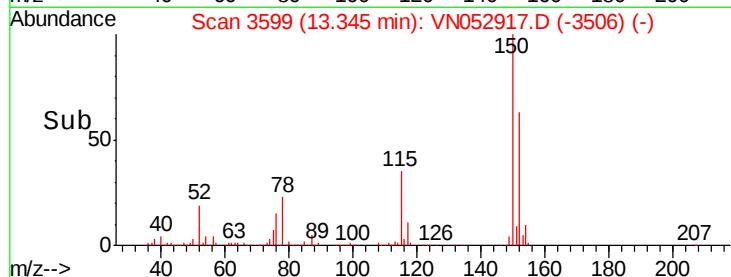
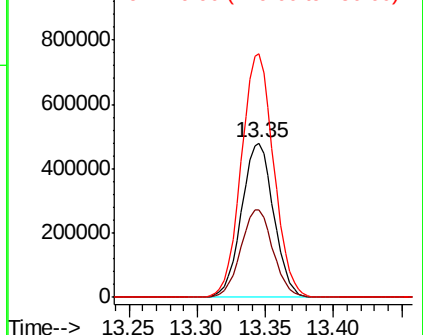
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampled :
23722

Tot Ion:152 Resp: 781564
Ion Ratio Lower Upper
152 100
115 57.2 28.3 85.0
150 159.8 0.0 347.8



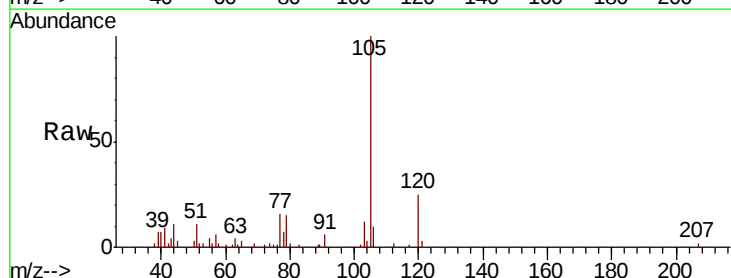
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



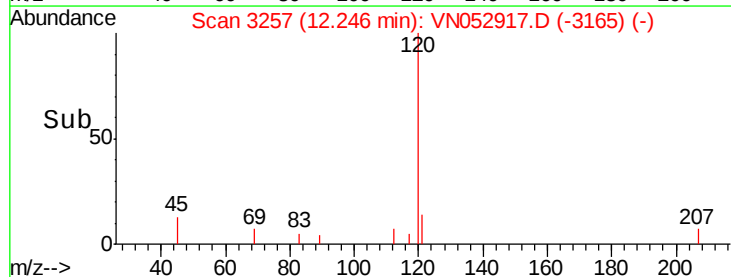
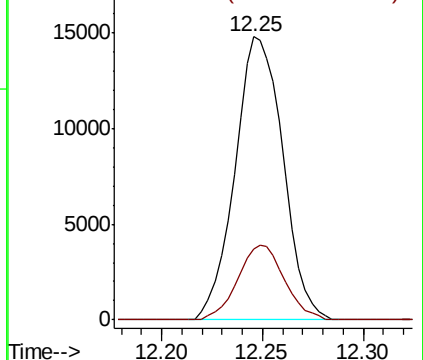
#73

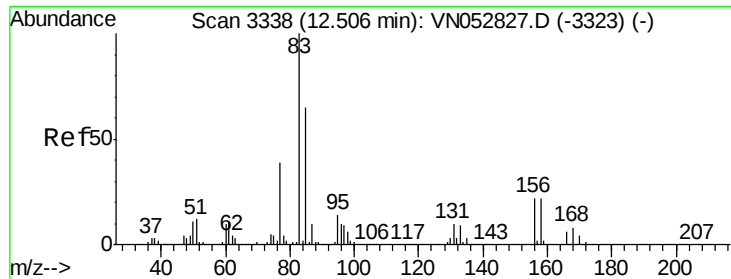
Isopropylbenzene
Concen: 0.421 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN052917.D
Acq: 17 Dec 2018 10:44

Tgt Ion:105 Resp: 24577
Ion Ratio Lower Upper
105 100
120 25.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.667 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.04 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

23722

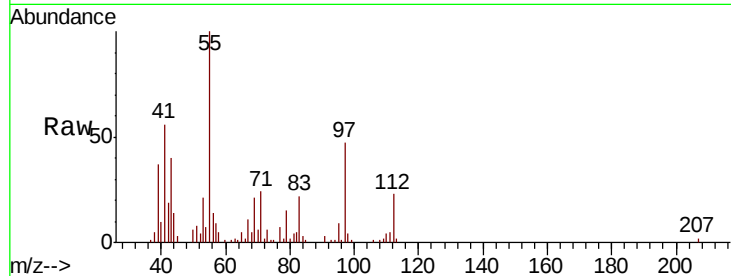
Tot Ion: 83 Resp: 8728

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

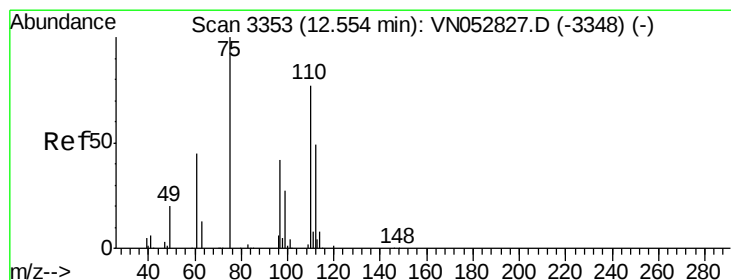
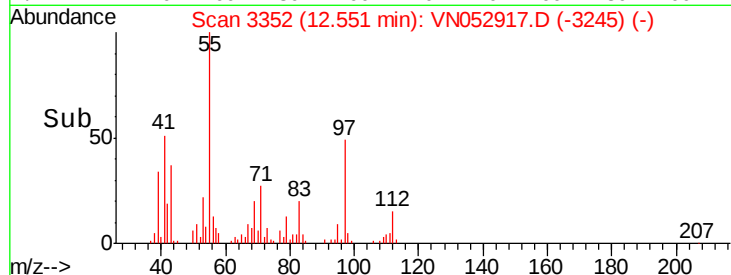
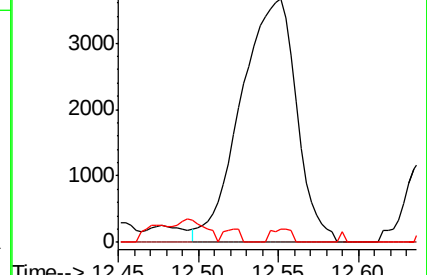
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.110 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052917.D

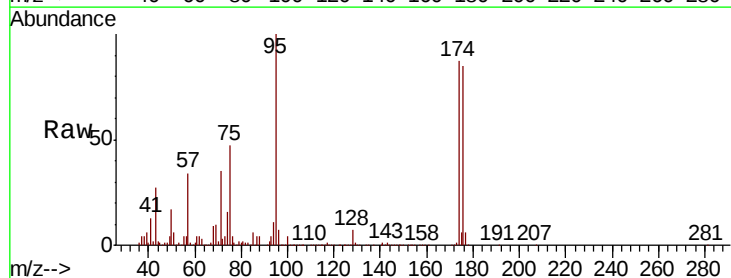
Acq: 17 Dec 2018 10:44

Tgt Ion: 75 Resp: 393323

Ion Ratio Lower Upper

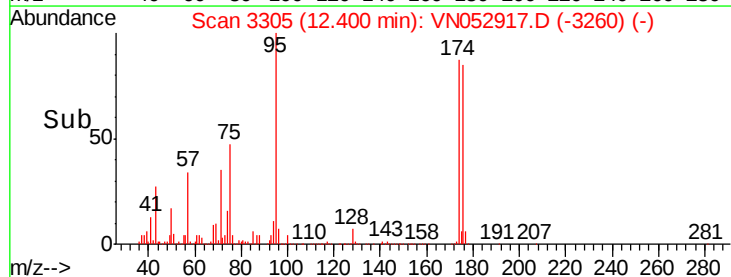
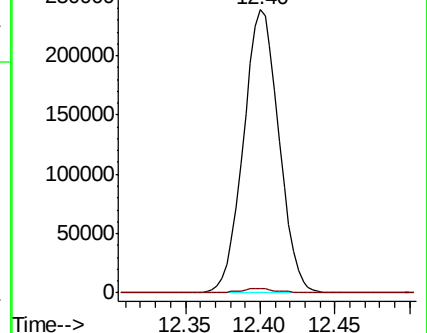
75 100

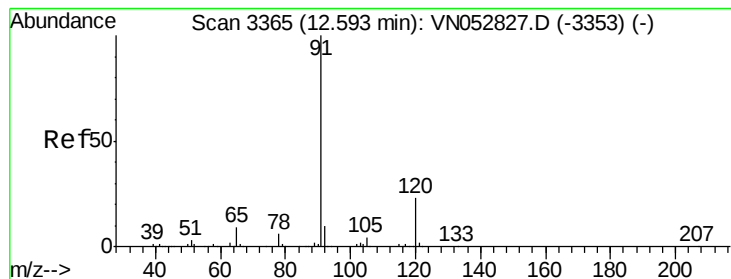
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.467 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

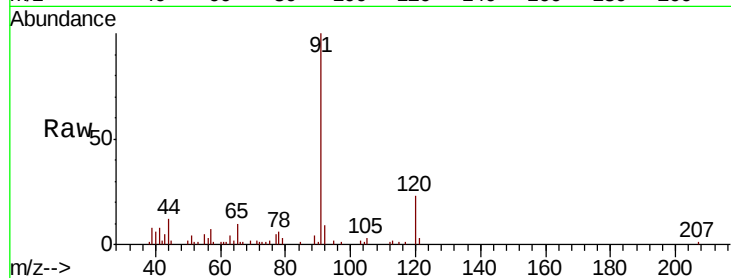
ClientSampleId :
23722

Tot Ion: 91 Resp: 31054

Ion Ratio Lower Upper

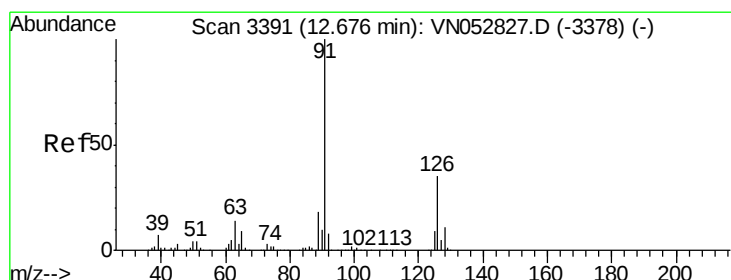
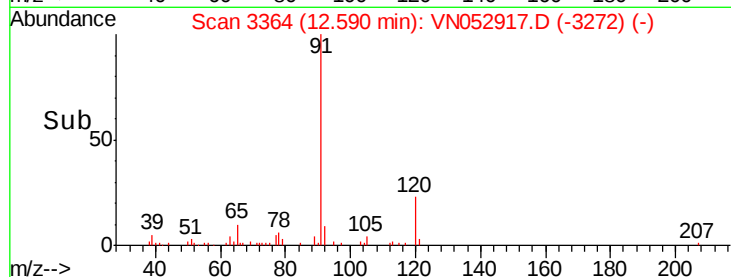
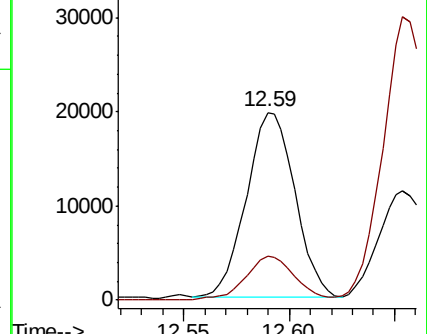
91 100

120 24.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.523 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052917.D

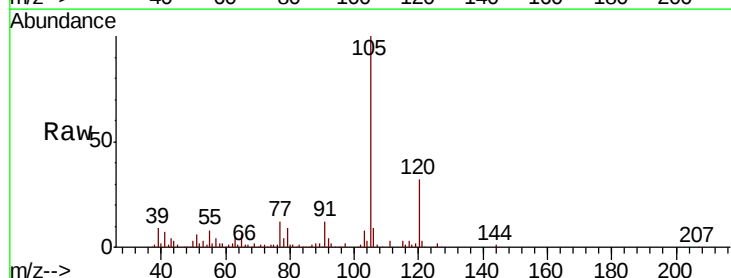
Acq: 17 Dec 2018 10:44

Tgt Ion: 91 Resp: 20576

Ion Ratio Lower Upper

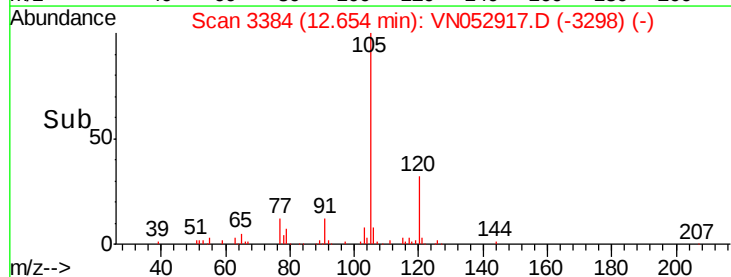
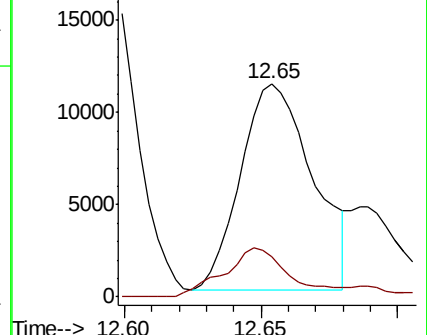
91 100

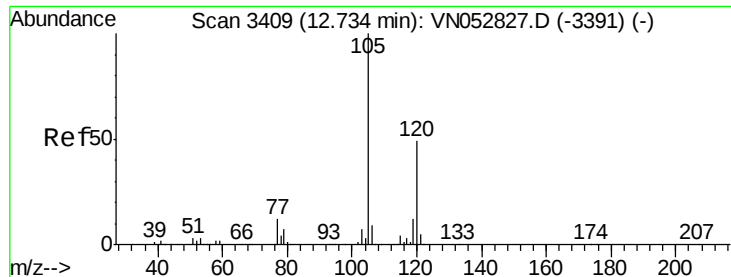
126 21.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.979 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

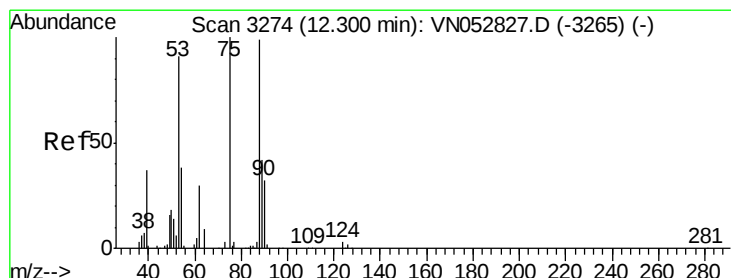
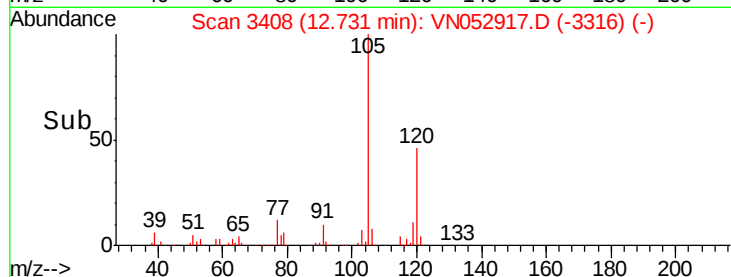
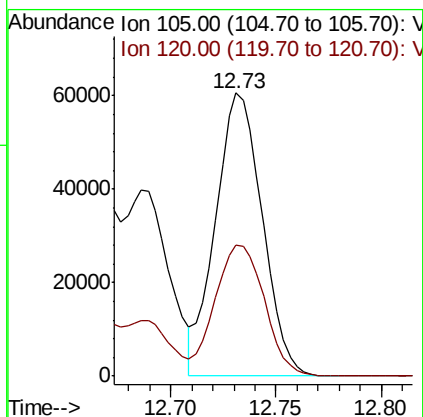
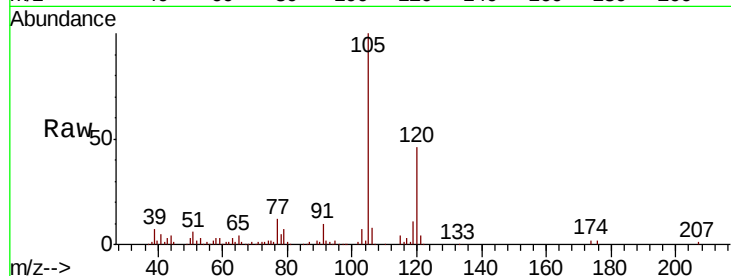
23722

Tot Ion:105 Resp: 93239

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 109.577 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

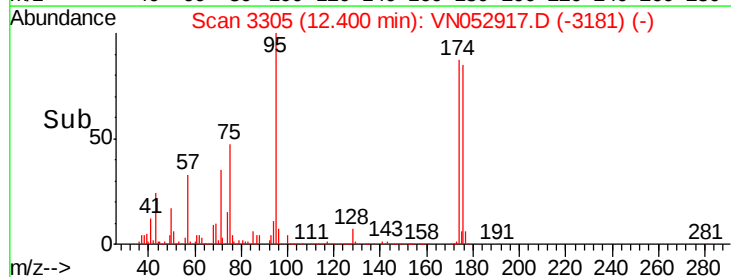
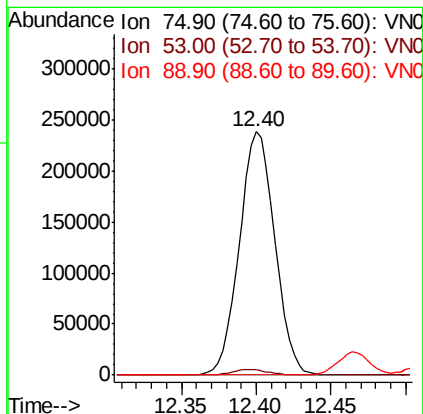
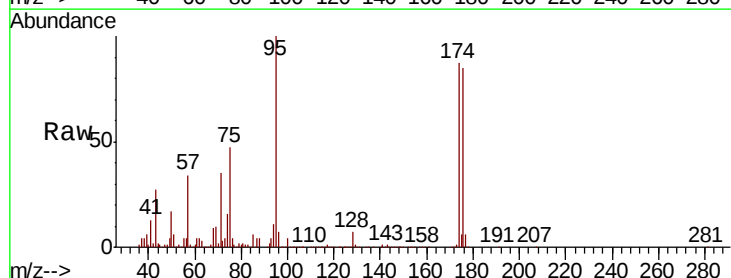
Tgt Ion: 75 Resp: 393323

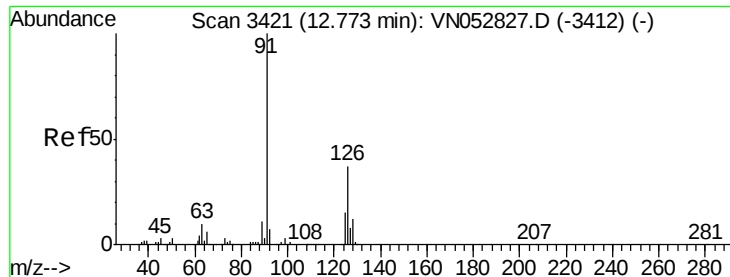
Ion Ratio Lower Upper

75 100

53 2.4 74.7 112.1#

89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 0.511 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.12 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

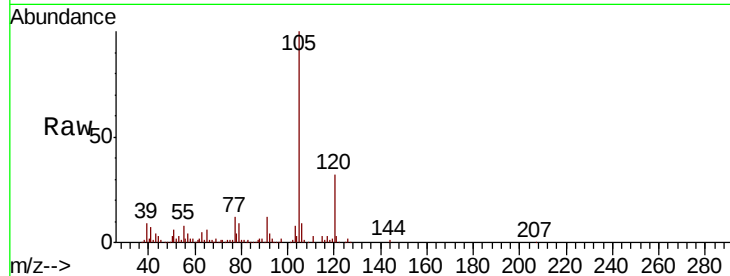
23722

Tot Ion: 91 Resp: 20576

Ion Ratio Lower Upper

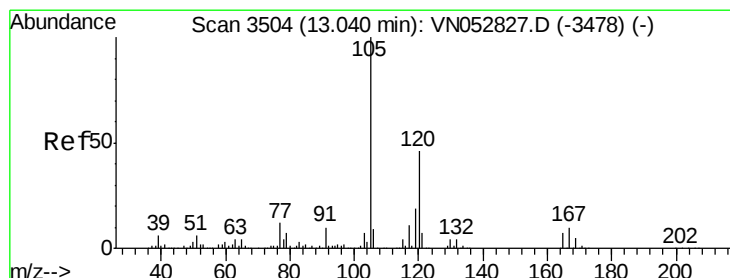
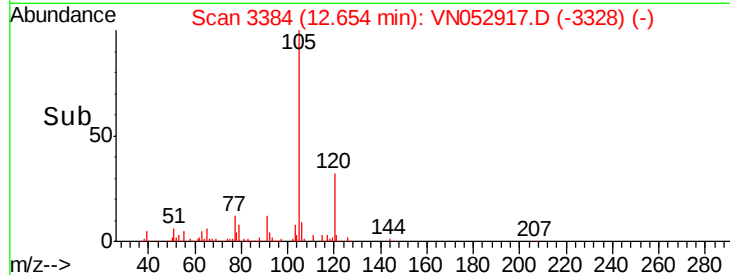
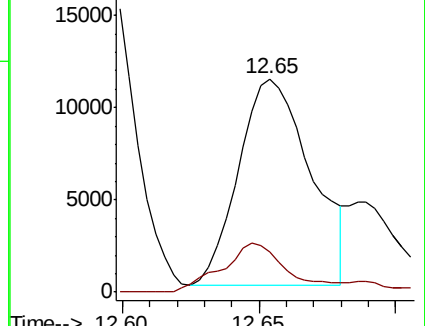
91 100

126 21.4 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN052917.D (-3384) (-)

Ion 125.90 (125.60 to 126.60): VN052917.D (-3384) (-)



#84

1,2,4-Trimethylbenzene

Concen: 5.125 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052917.D

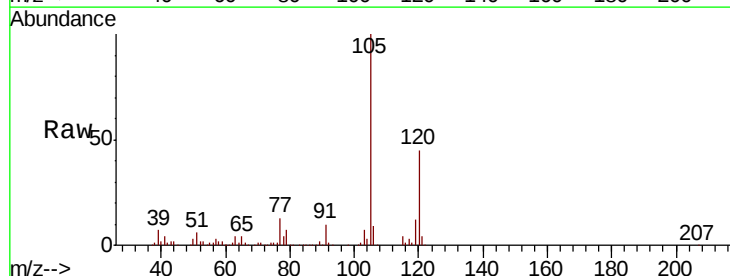
Acq: 17 Dec 2018 10:44

Tgt Ion: 105 Resp: 244400

Ion Ratio Lower Upper

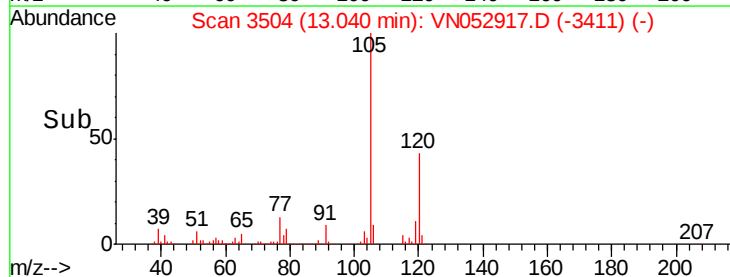
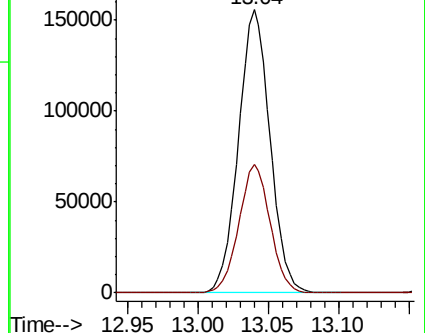
105 100

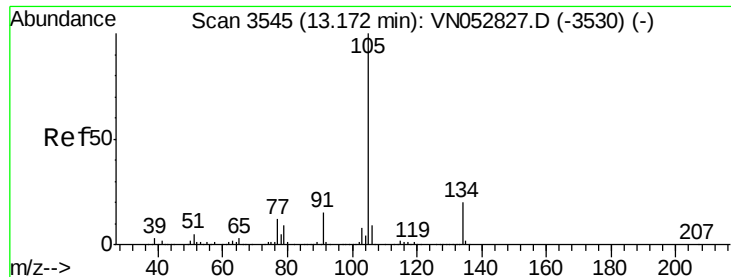
120 44.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN052917.D (-3504) (-)

Ion 120.00 (119.70 to 120.70): VN052917.D (-3504) (-)





#85

sec-Butylbenzene

Concen: 4.343 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

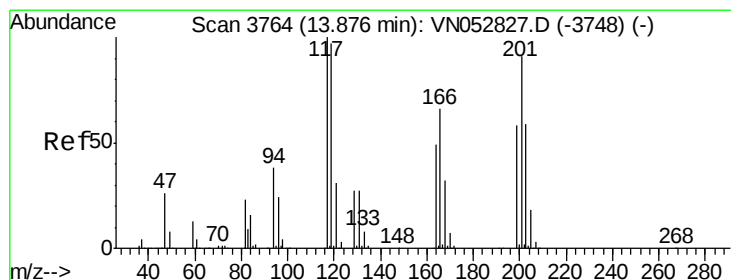
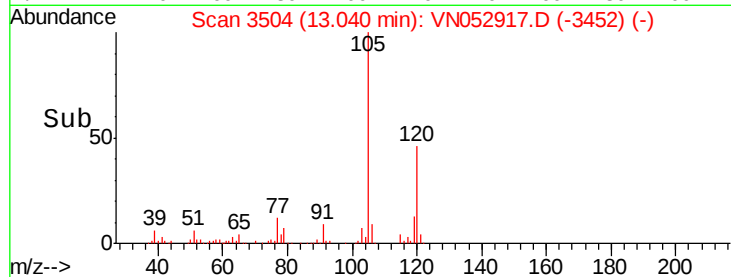
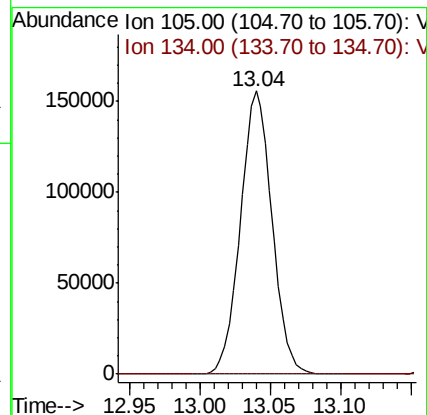
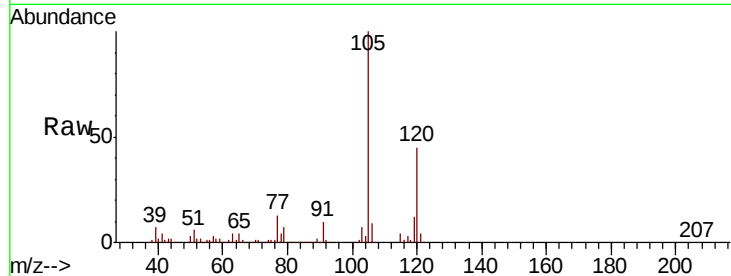
23722

Tot Ion:105 Resp: 244400

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



#90

Hexachloroethane

Concen: 0.808 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052917.D

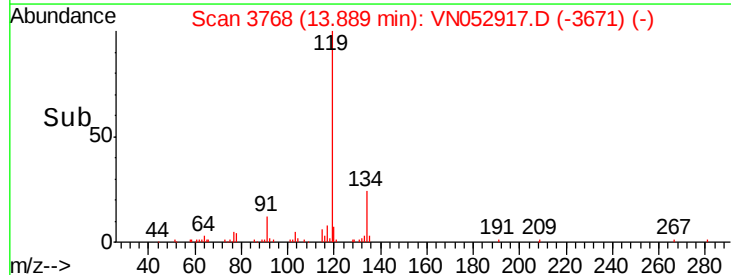
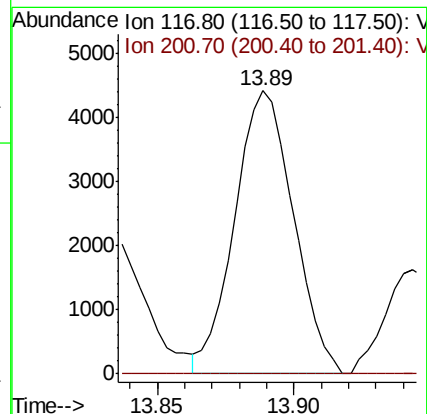
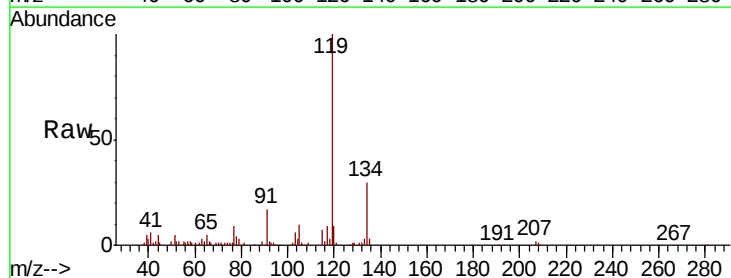
Acq: 17 Dec 2018 10:44

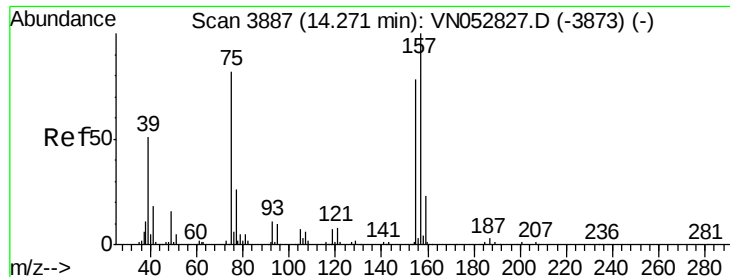
Tgt Ion:117 Resp: 6599

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.231 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

23722

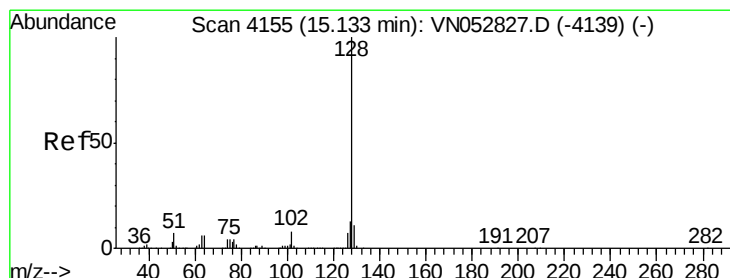
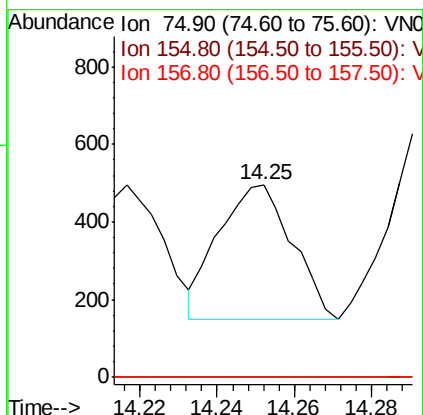
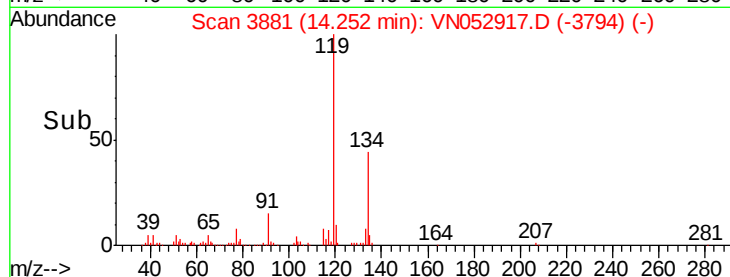
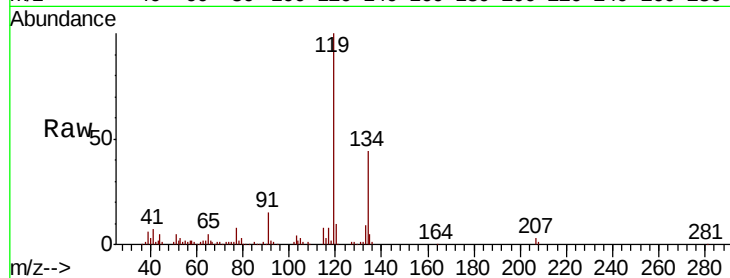
Tot Ion: 75 Resp: 456

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



#95

Naphthalene

Concen: 2.178 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052917.D

Acq: 17 Dec 2018 10:44

Tgt Ion:128 Resp: 62201

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.2 8.6 13.0

