

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052929.D
 Acq On : 17 Dec 2018 16:04
 Operator : MD\SY
 Sample : PB115730TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:45:18 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	1399028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2177517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1938093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	815328	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	724161	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	7.59	113	568917	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.09	98	2648774	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	883749	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	

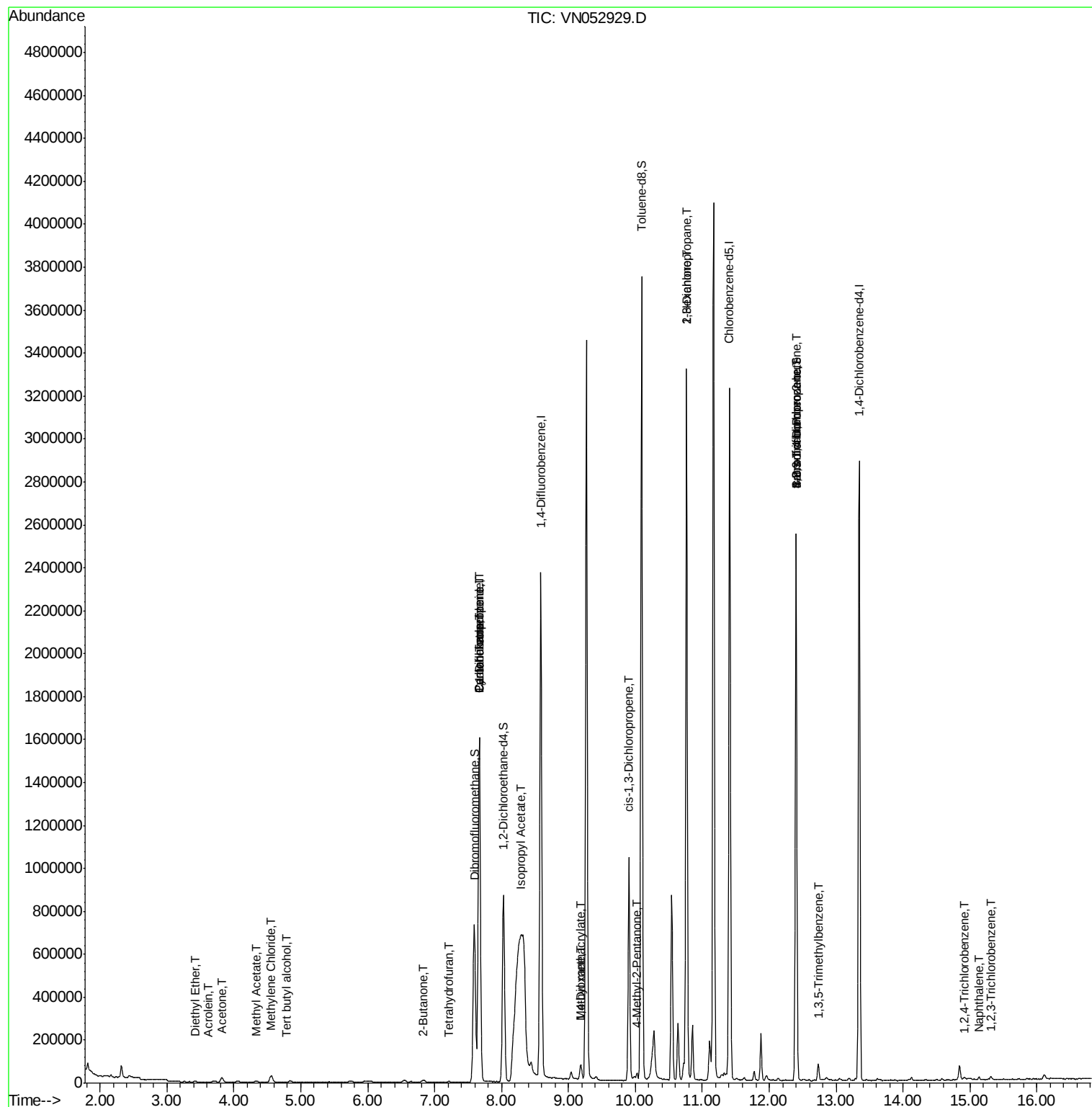
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	2215	0.283	ug/l	77
11) Tert butyl alcohol	4.78	59	370	0.445	ug/l #	74
13) Acrolein	3.61	56	988	1.263	ug/l #	50
16) Acetone	3.82	43	37149	11.119	ug/l	99
18) Methyl Acetate	4.33	43	6091	0.497	ug/l #	83
20) Methylene Chloride	4.56	84	23783	1.582	ug/l	98
25) 2-Butanone	6.84	43	5985	1.155	ug/l	100
29) Tetrahydrofuran	7.21	42	1928	0.545	ug/l #	63
31) Cyclohexane	7.66	56	24136	0.382	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	94612	4.718	ug/l #	48
38) Carbon Tetrachloride	7.67	117	123174	6.674	ug/l #	15
43) Isopropyl Acetate	8.29	43	1470668	59.547	ug/l #	53
48) Methyl methacrylate	9.18	41	25277	2.334	ug/l #	21
49) 1,4-Dioxane	9.19	88	109	0.887	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	30067	2.655	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	198658	8.739	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	34856	1.562	ug/l #	43
59) 2-Hexanone	10.76	43	482308	62.144	ug/l #	49
71) Bromoform	12.40	173	5666	0.596	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	417245	34.686	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	40694	0.828	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	417245	111.428	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	3744	0.260	ug/l	85
95) Naphthalene	15.13	128	9682	0.325	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	3890	0.295	ug/l	96

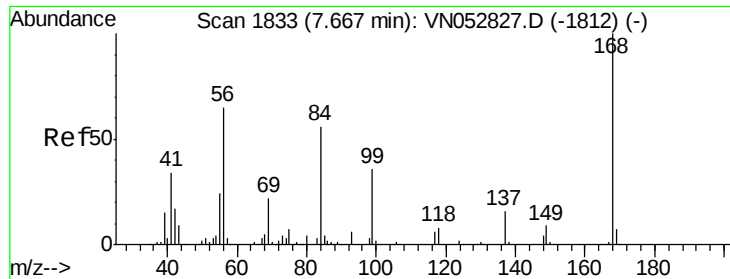
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121718\
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052929.D

Acq: 17 Dec 2018 16:04

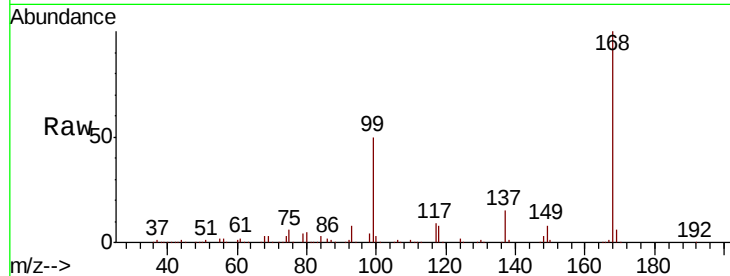
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1399028

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

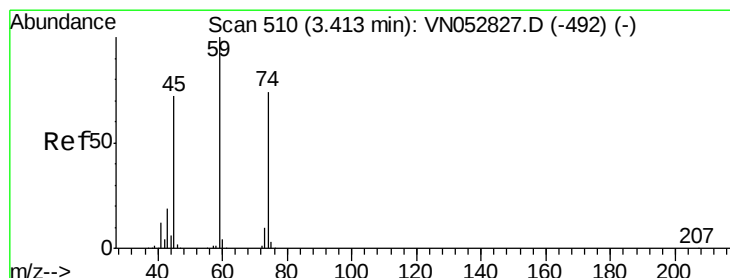
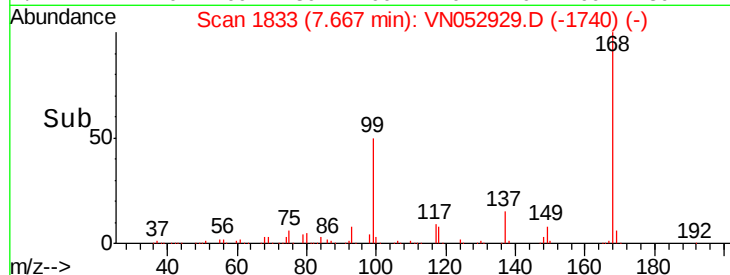
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 0.283 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN052929.D

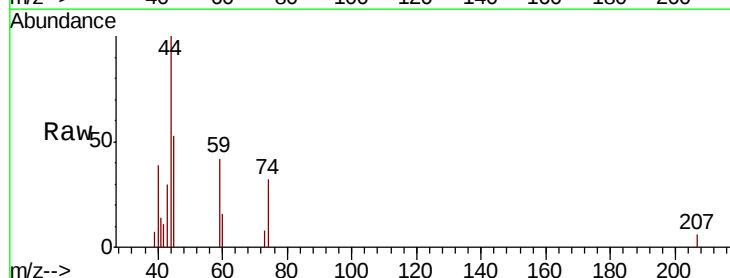
Acq: 17 Dec 2018 16:04

Tgt Ion: 74 Resp: 2215

Ion Ratio Lower Upper

74 100

45 121.8 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

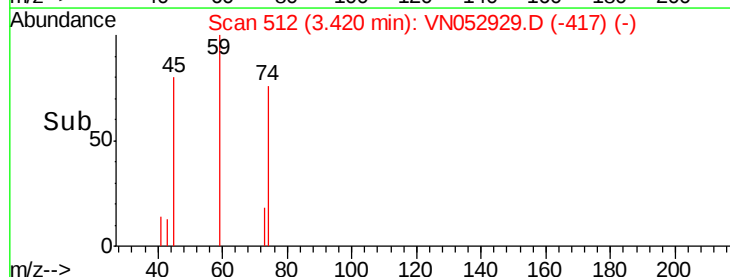
1500

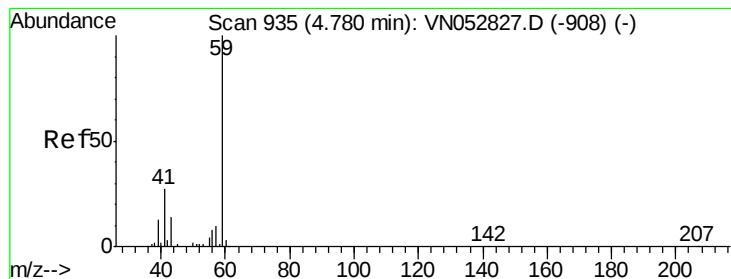
1000

500

0

Time-->



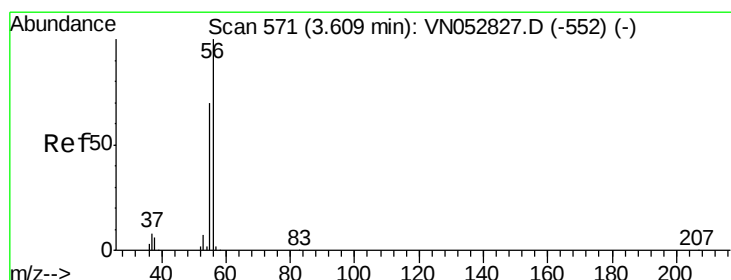
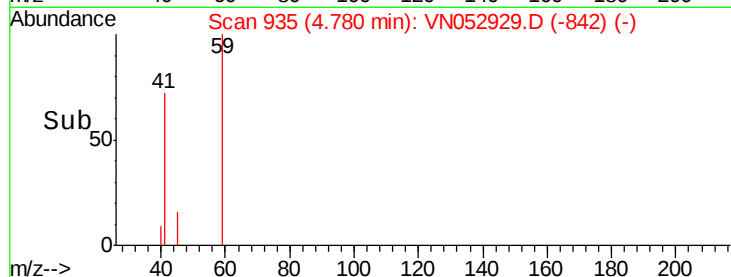
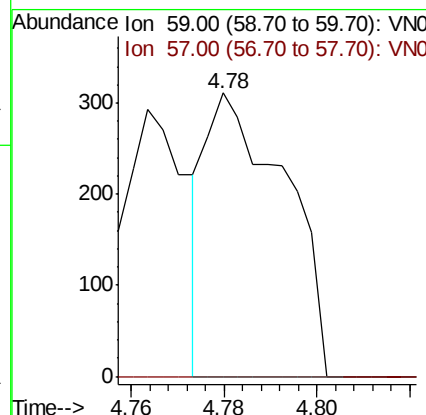
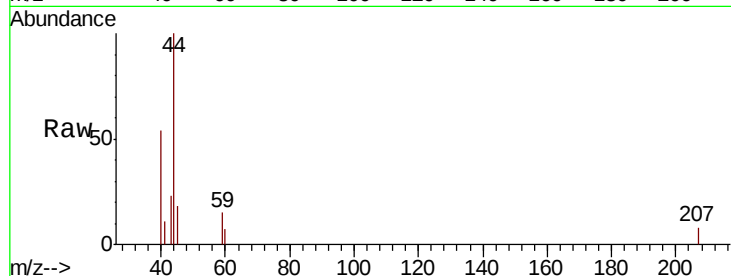


#11

Tert butyl alcohol
 Concen: 0.445 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

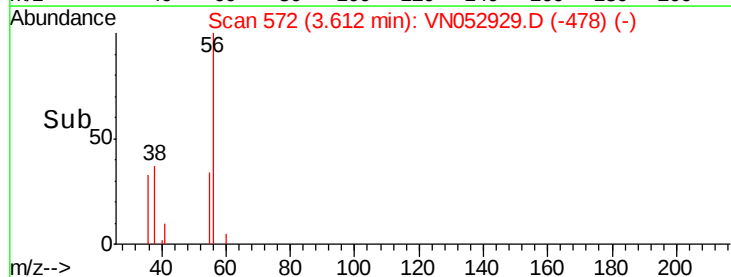
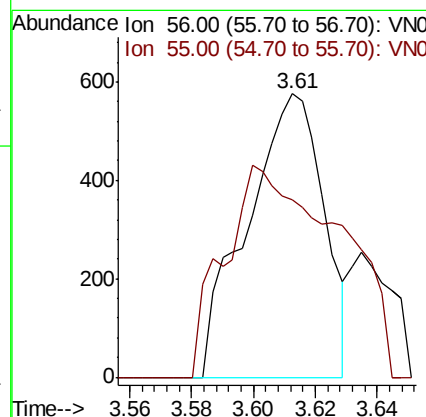
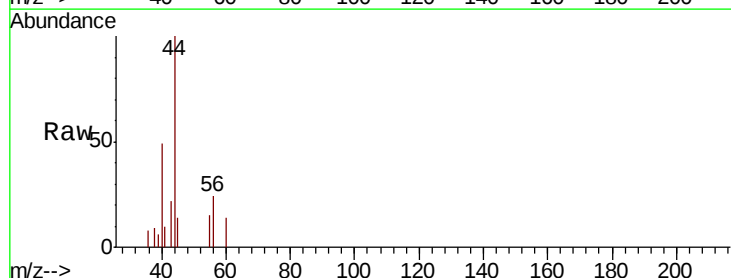
Tot Ion: 59 Resp: 370
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

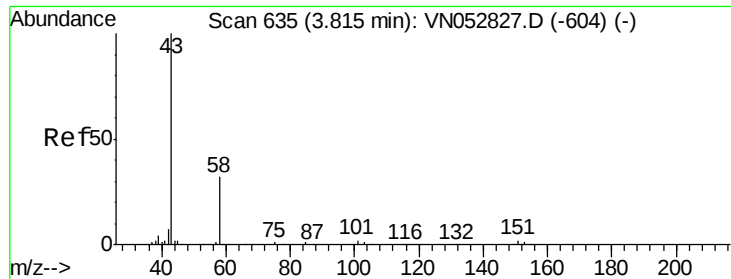


#13

Acrolein
 Concen: 1.263 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Tgt Ion: 56 Resp: 988
 Ion Ratio Lower Upper
 56 100
 55 112.2 56.6 85.0#





#16

Acetone

Concen: 11.119 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052929.D

Acq: 17 Dec 2018 16:04

Instrument :

MSVOA_N

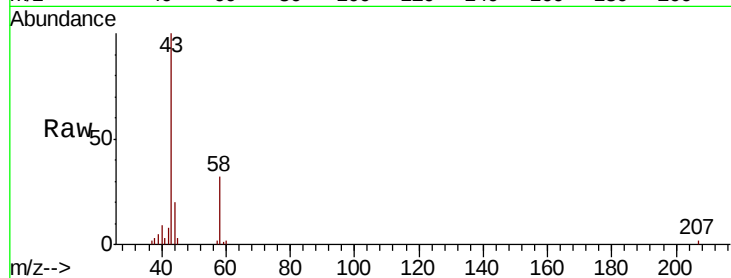
ClientSampled :

Tot Ion: 43 Resp: 37149

Ion Ratio Lower Upper

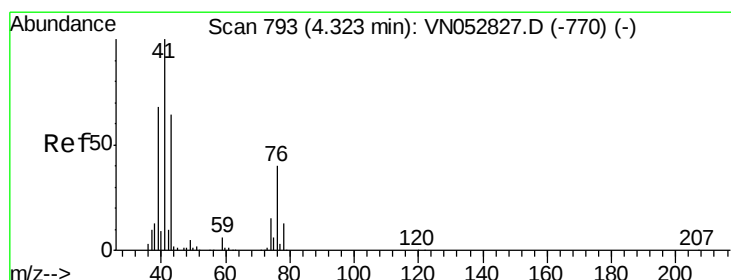
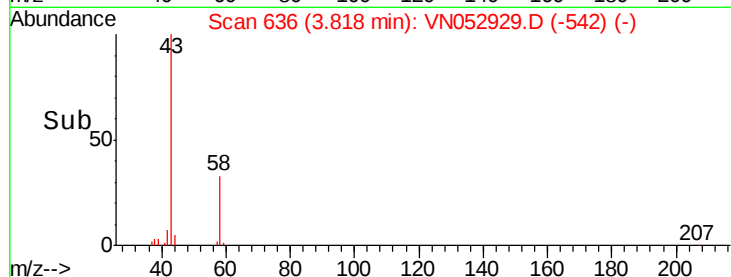
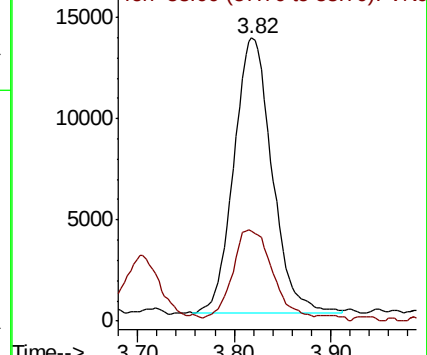
43 100

58 31.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)



#18

Methyl Acetate

Concen: 0.497 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052929.D

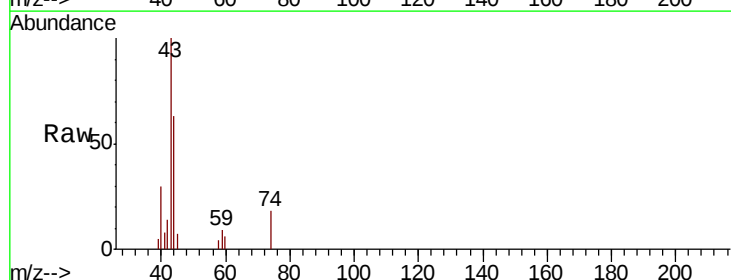
Acq: 17 Dec 2018 16:04

Tgt Ion: 43 Resp: 6091

Ion Ratio Lower Upper

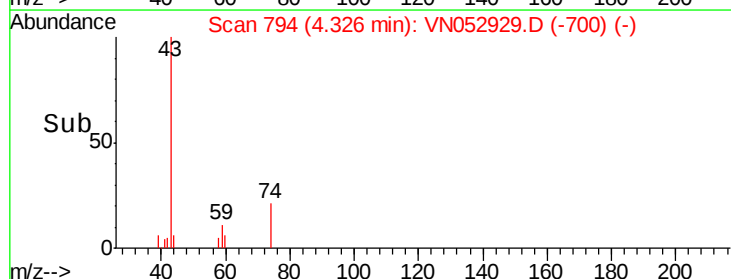
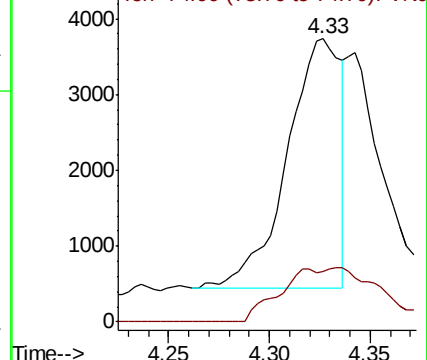
43 100

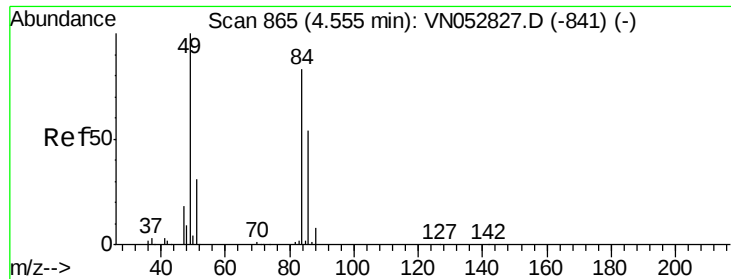
74 15.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

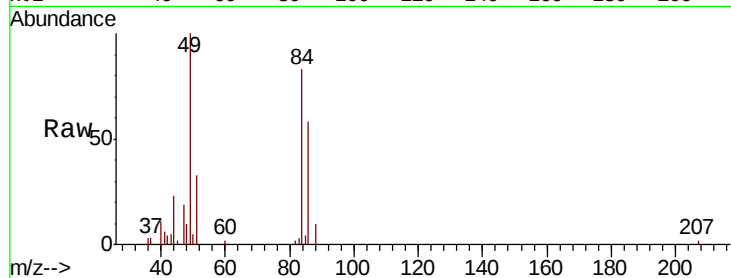




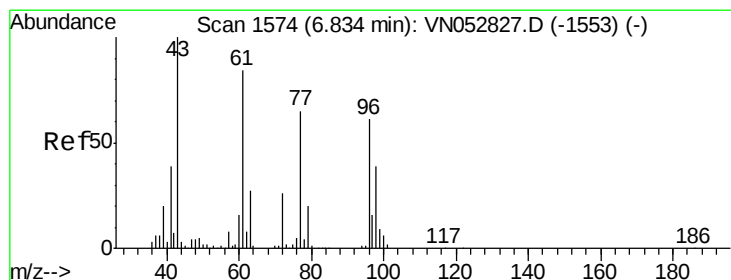
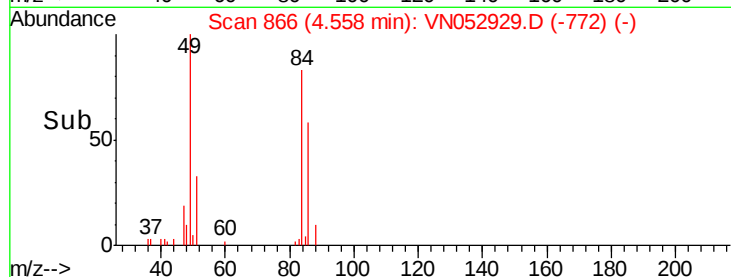
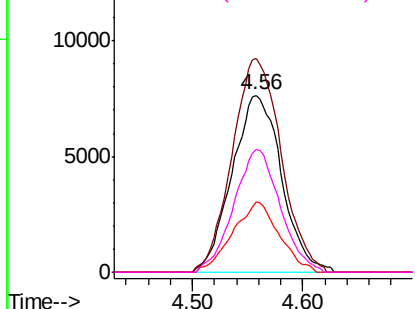
#20
Methvlene Chloride
Concen: 1.582 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 23783
Ion Ratio Lower Upper
84 100
49 120.8 96.8 145.2
51 39.6 29.9 44.9
86 69.5 51.8 77.6

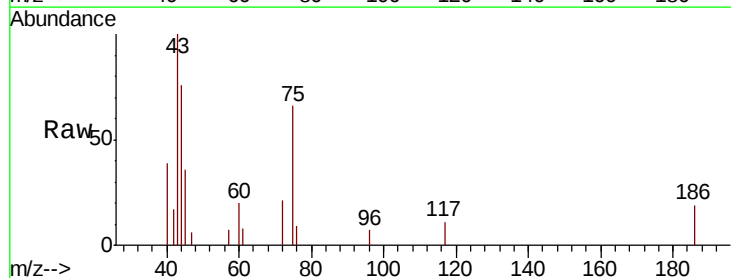


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

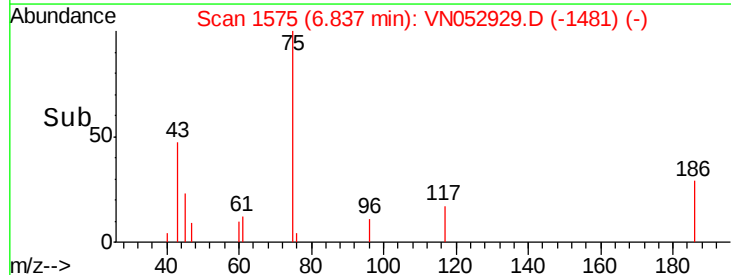
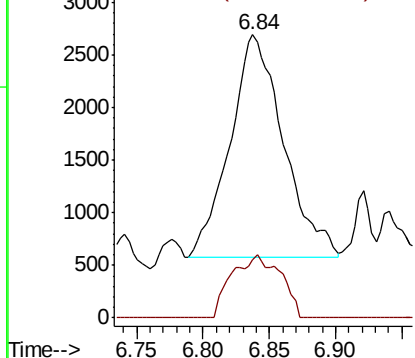


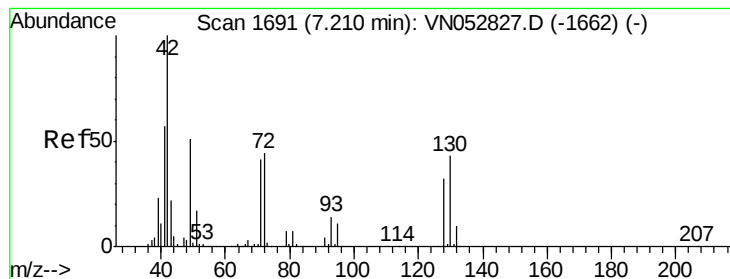
#25
2-Butanone
Concen: 1.155 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion: 43 Resp: 5985
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.545 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052929.D

Acq: 17 Dec 2018 16:04

Instrument :

MSVOA_N

ClientSampled :

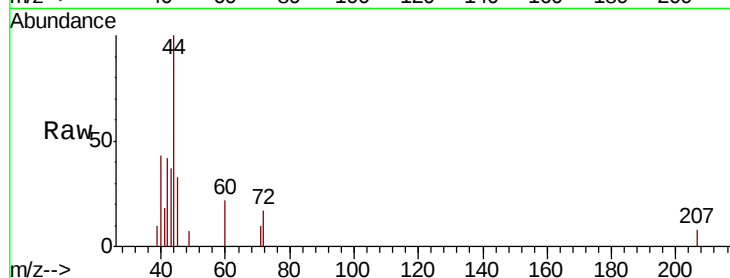
Tot Ion: 42 Resp: 1928

Ion Ratio Lower Upper

42 100

72 20.4 34.7 52.1#

71 17.2 32.3 48.5#

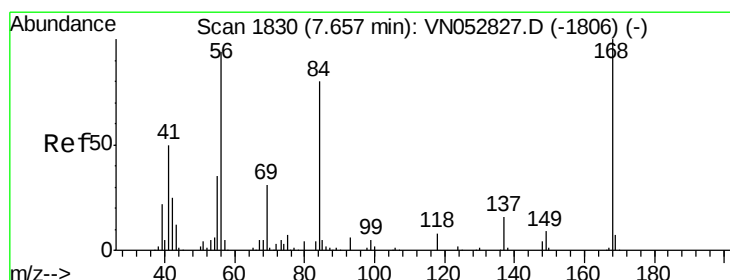
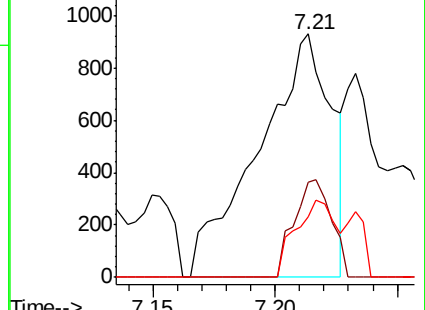
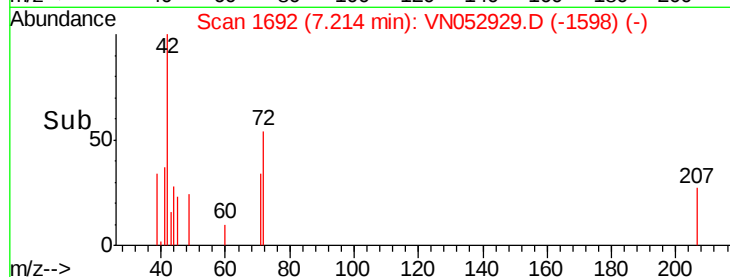


Abundance Ion 42.00 (41.70 to 42.70): VN052827.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN052827.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN052827.D (-1662) (-)

Time-->



#31

Cyclohexane

Concen: 0.382 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052929.D

Acq: 17 Dec 2018 16:04

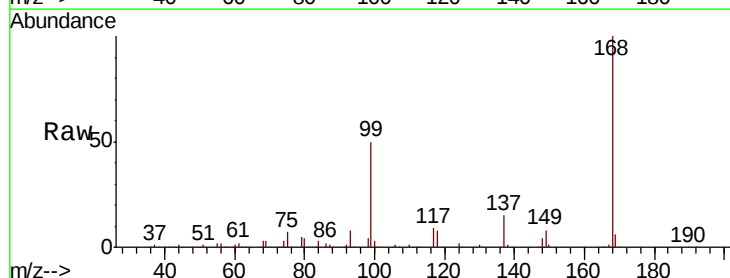
Tgt Ion: 56 Resp: 24136

Ion Ratio Lower Upper

56 100

69 180.8 26.6 39.8#

84 157.1 68.4 102.6#

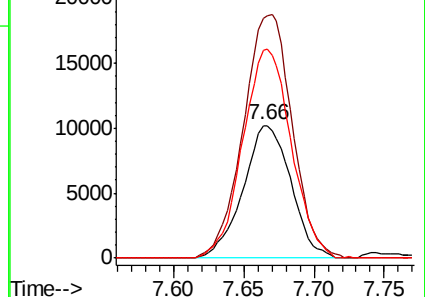
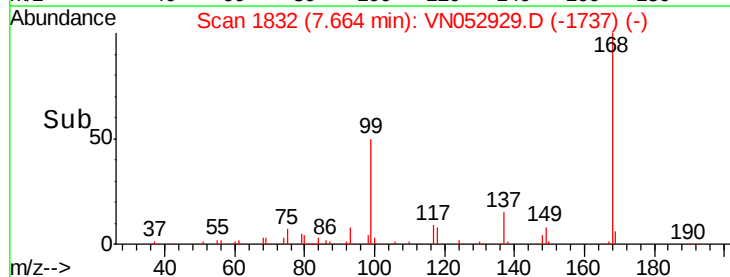


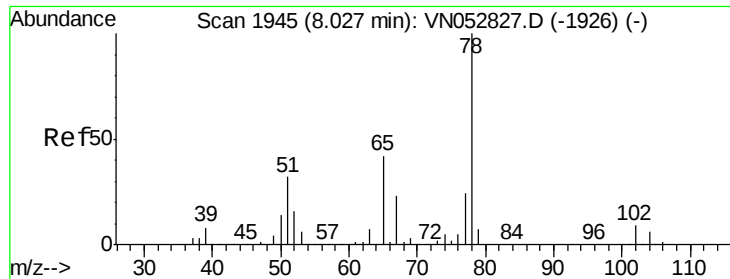
Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)

Time-->

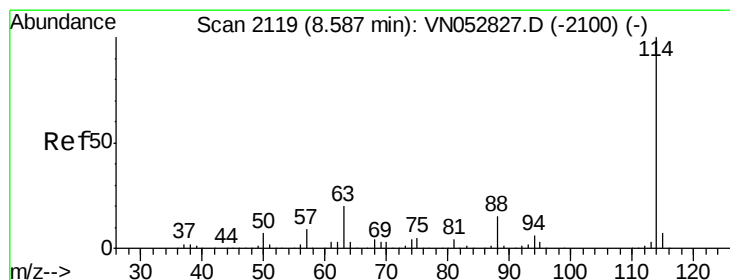
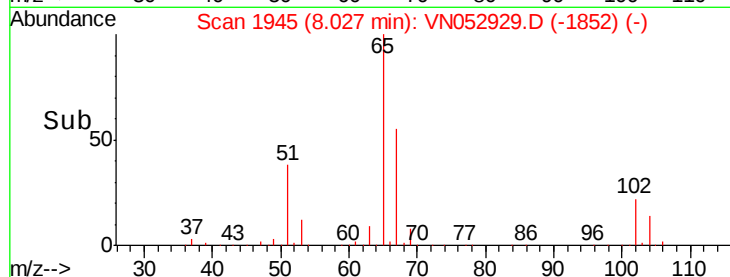
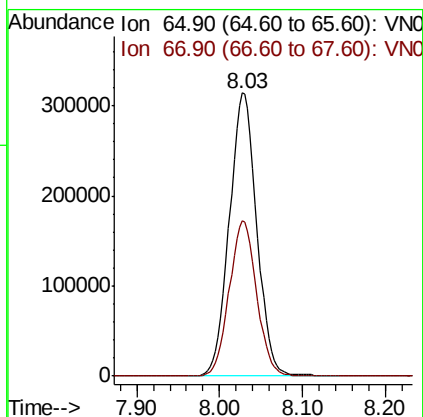
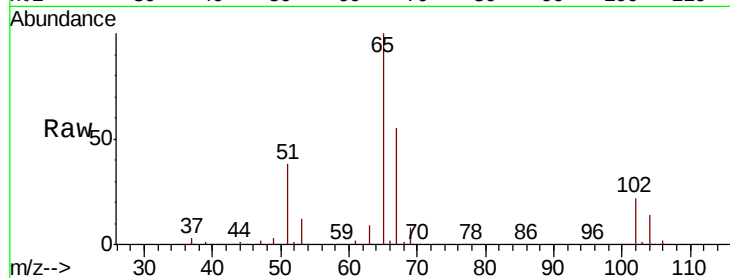




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

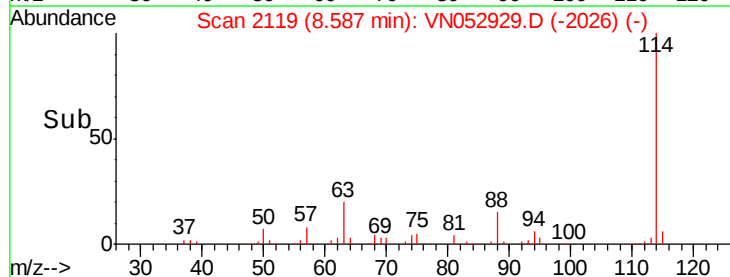
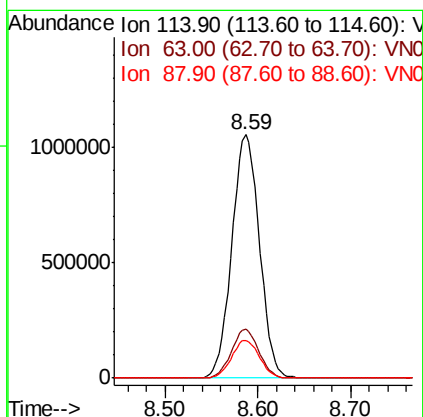
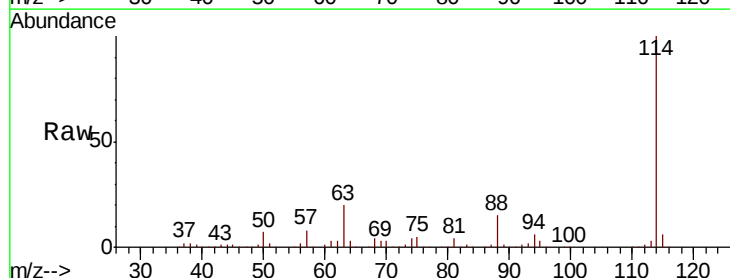
Instrument :
 MSVOA_N
 ClientSampled :

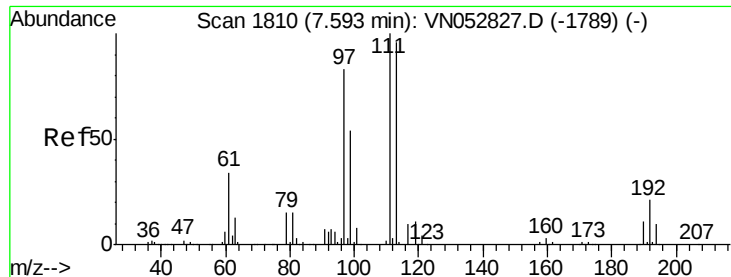
Tot Ion: 65 Resp: 724161
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Tgt Ion: 114 Resp: 2177517
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.4 0.0 31.0

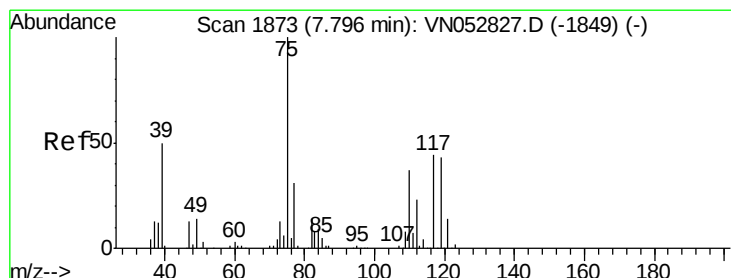
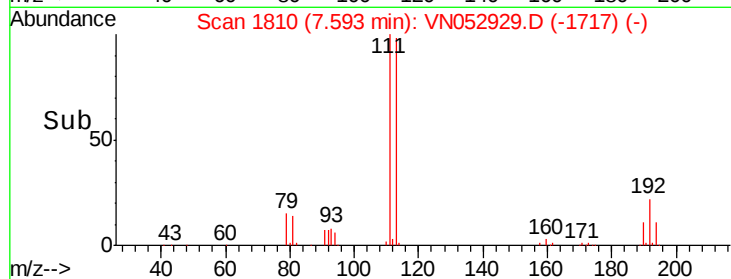
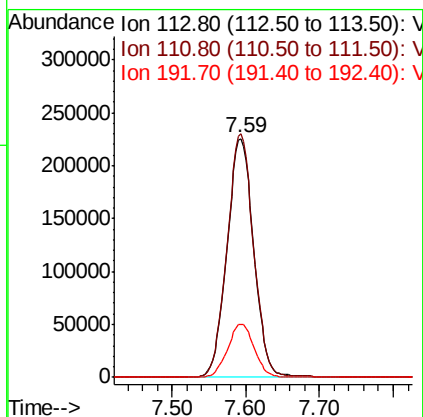
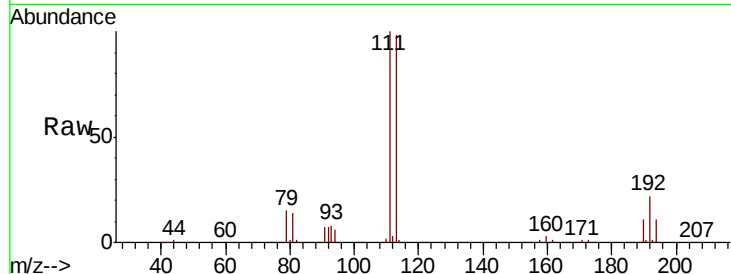




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

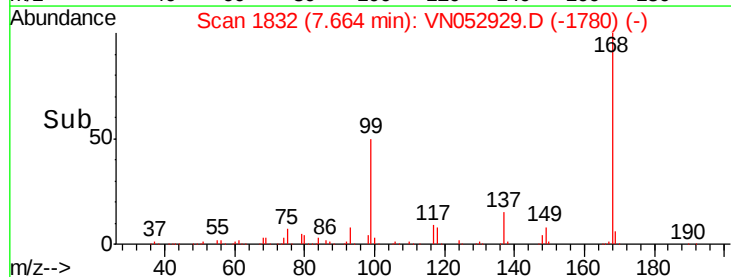
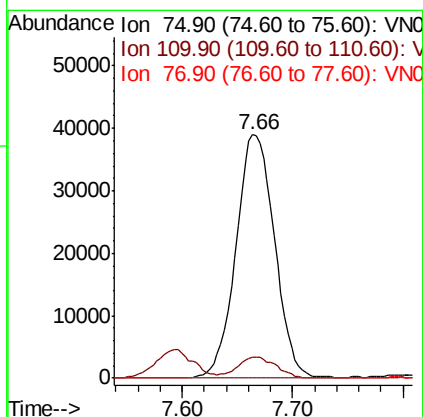
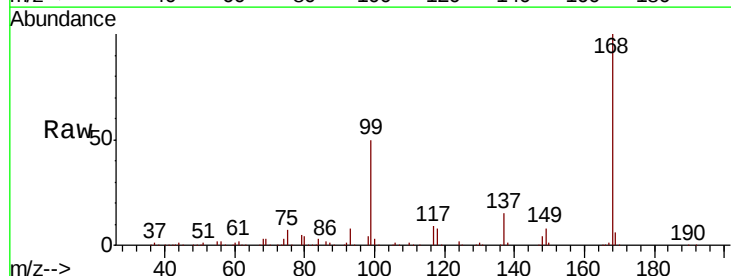
Instrument :
 MSVOA_N
 ClientSampleId :

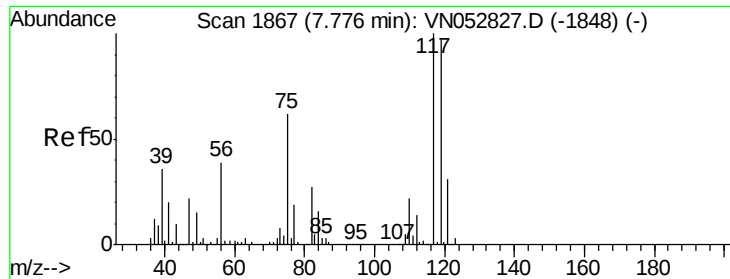
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	83.0	124.4
192	22.1	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.718 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

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

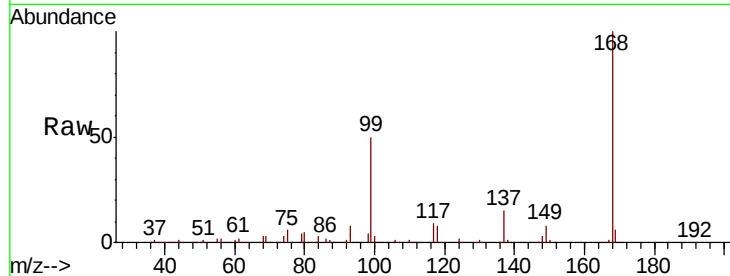




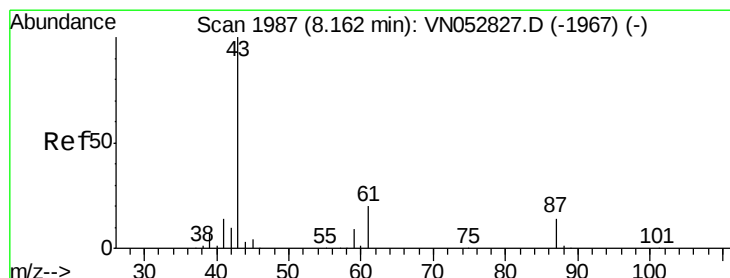
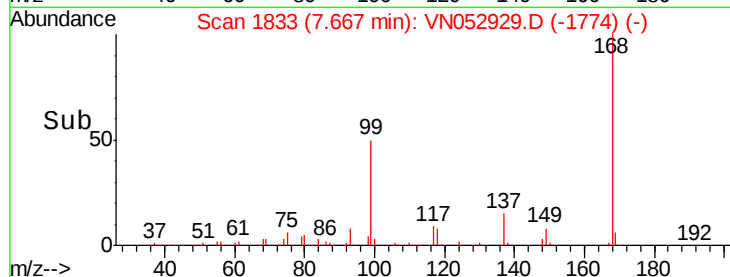
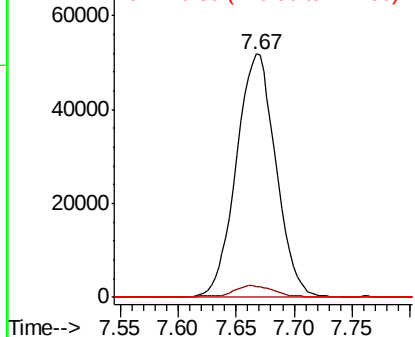
#38
Carbon Tetrachloride
Concen: 6.674 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 123174
Ion Ratio Lower Upper
117 100
119 4.6 77.1 115.7#
121 0.0 24.9 37.3#

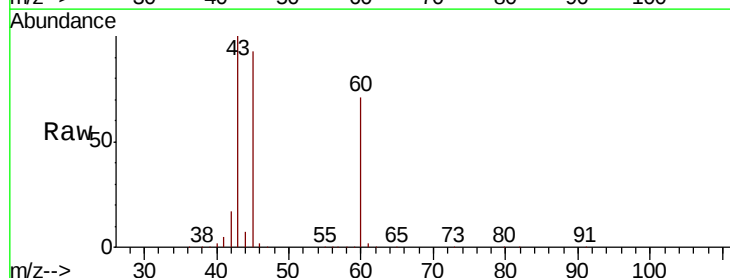


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

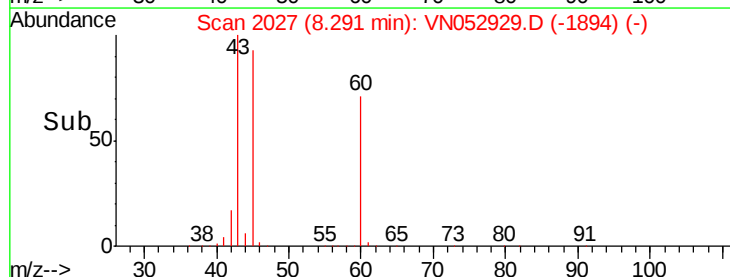
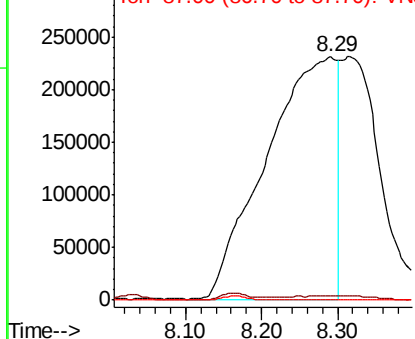


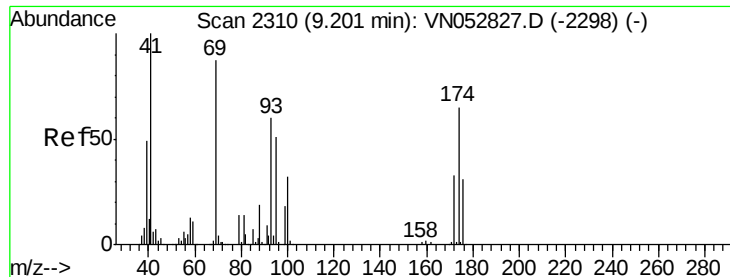
#43
Isopropyl Acetate
Concen: 59.547 ug/l
RT: 8.29 min Scan# 2027
Delta R.T. 0.13 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion: 43 Resp: 1470668
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): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

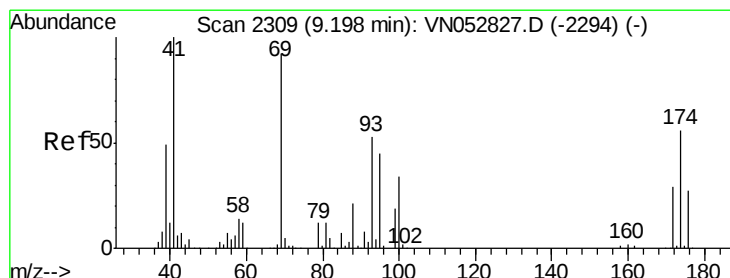
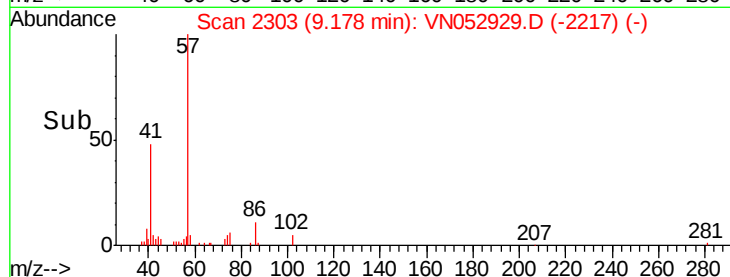
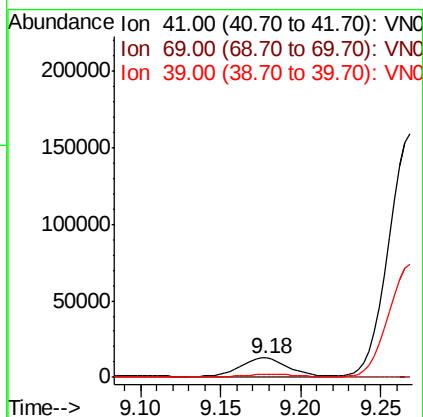
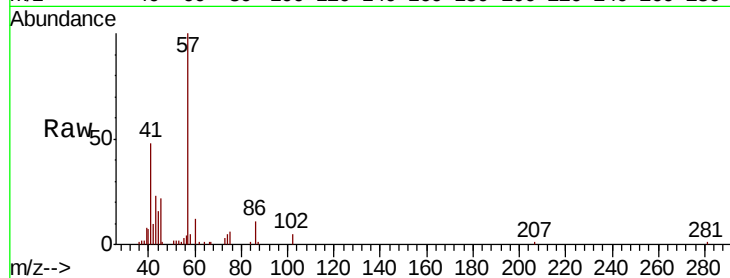




#48
Methvl methacrylate
Concen: 2.334 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

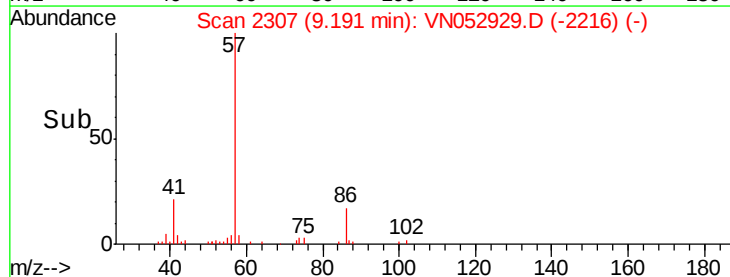
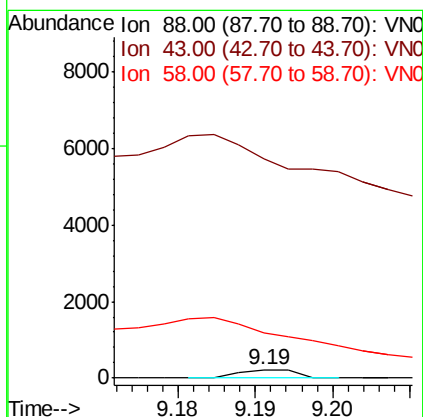
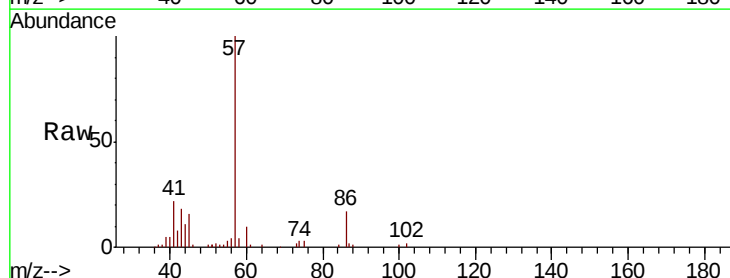
Instrument :
MSVOA_N
ClientSampleId :

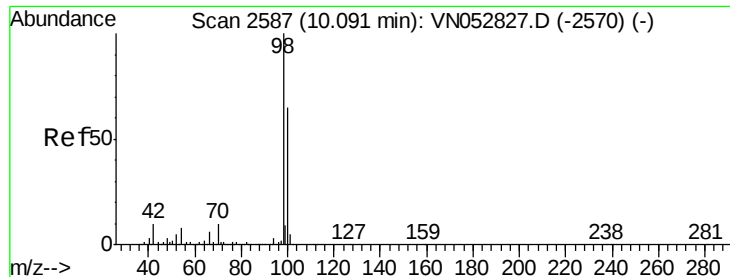
Tot Ion: 41 Resp: 25277
Ion Ratio Lower Upper
41 100
69 0.2 72.2 108.2#
39 16.3 41.9 62.9#



#49
1,4-Dioxane
Concen: 0.887 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 0.0 26.6 40.0#
58 3960.6 58.4 87.6#





#50

Toluene-d8

Concen: 0.887 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052929.D

Acq: 17 Dec 2018 16:04

Instrument :

MSVOA_N

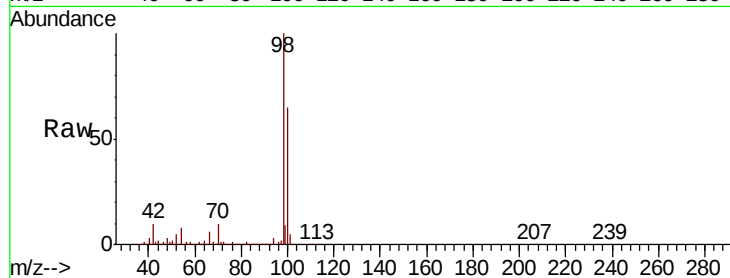
ClientSampleId :

Tot Ion: 98 Resp: 2648774

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

1000000

500000

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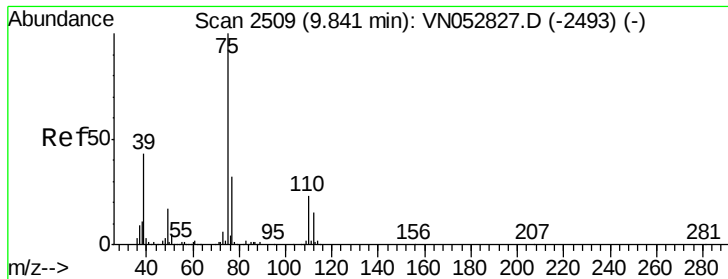
12.51

12.52

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12.55

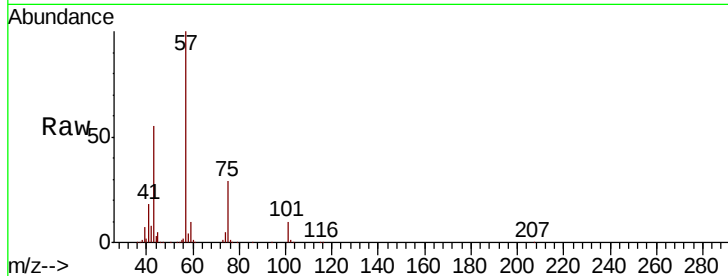


#54

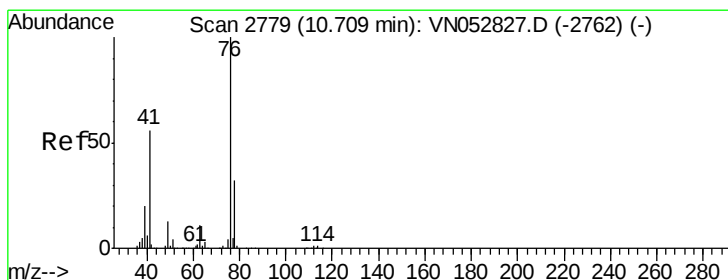
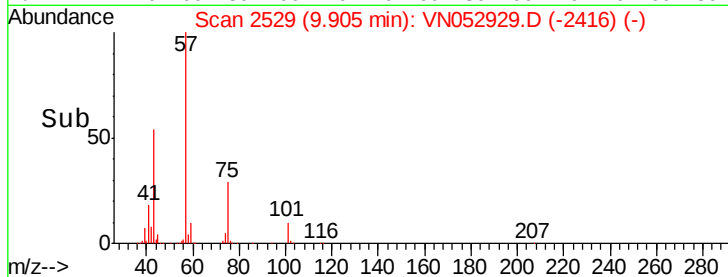
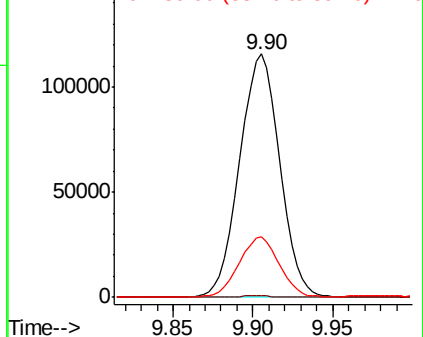
cis-1,3-Dichloropropene
 Concen: 8.739 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.8	38.8#
39	24.8	34.8	52.2#



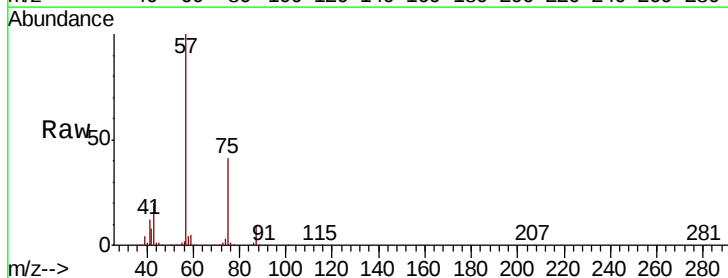
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



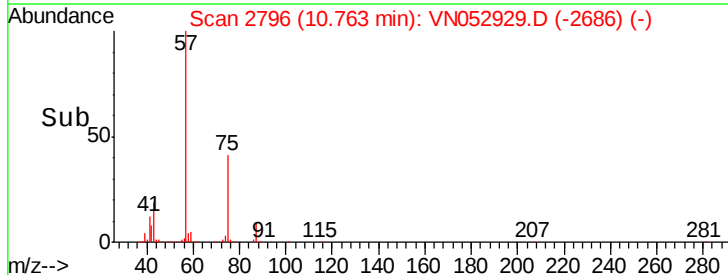
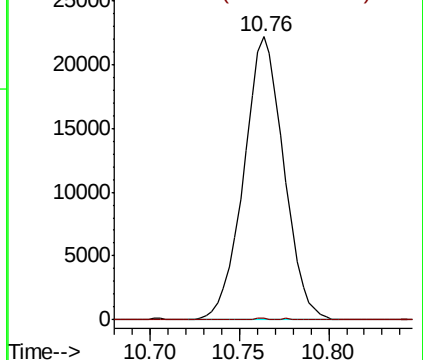
#57

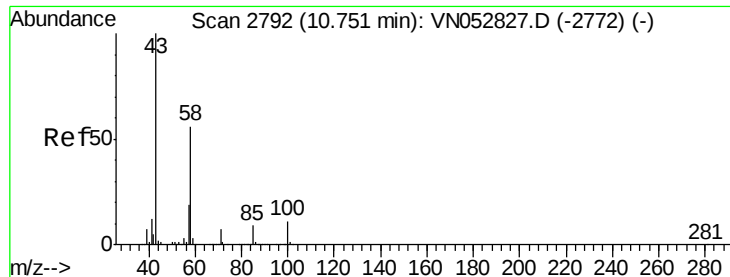
1,3-Dichloropropane
 Concen: 1.562 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.2	25.8	38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

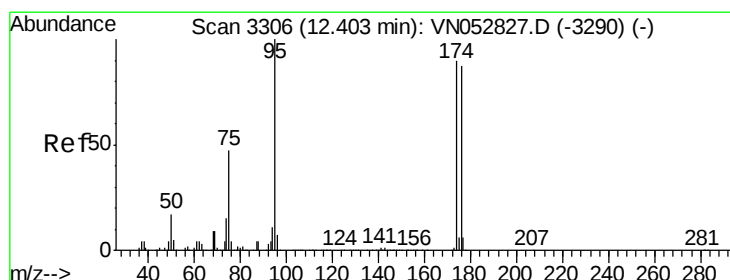
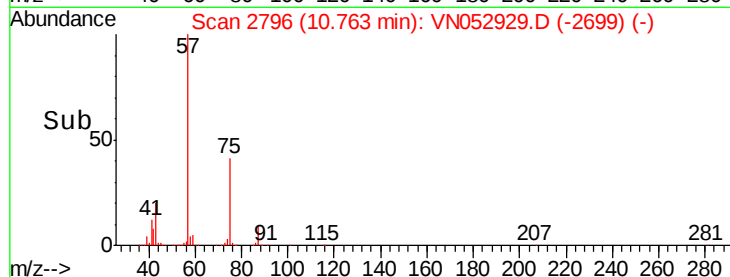
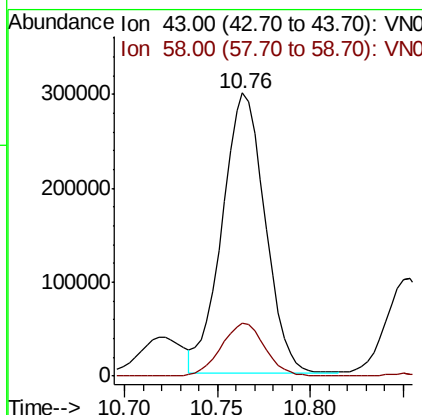
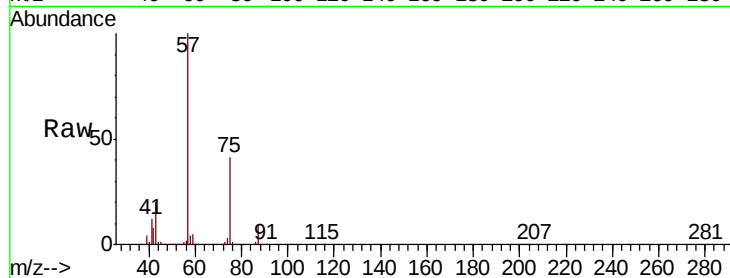




#59
2-Hexanone
Concen: 62.144 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

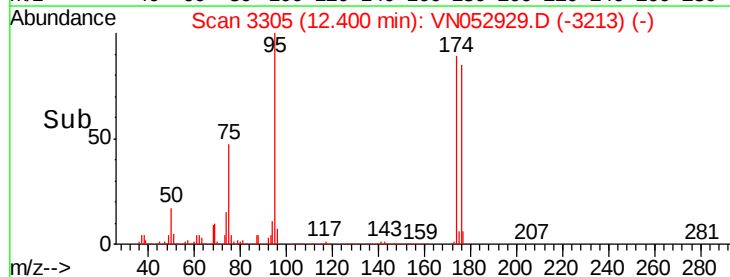
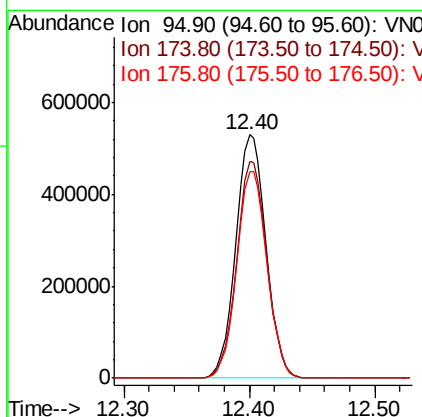
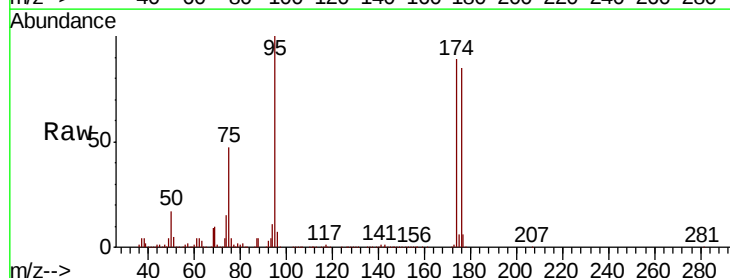
Instrument :
MSVOA_N
ClientSampleId :

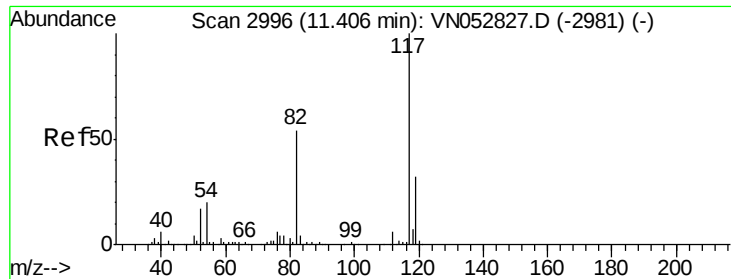
Tot Ion: 43 Resp: 482308
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion: 95 Resp: 883749
Ion Ratio Lower Upper
95 100
174 88.8 0.0 178.8
176 85.4 0.0 173.8

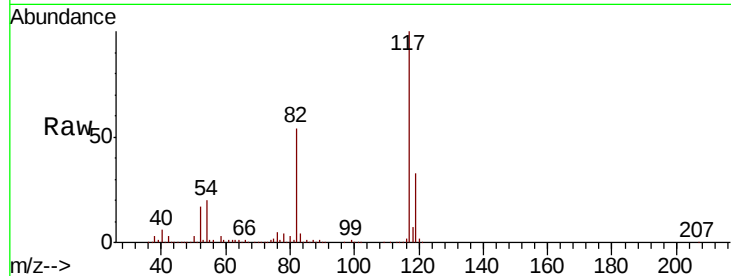




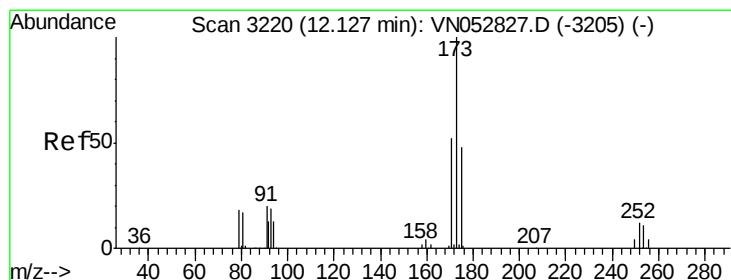
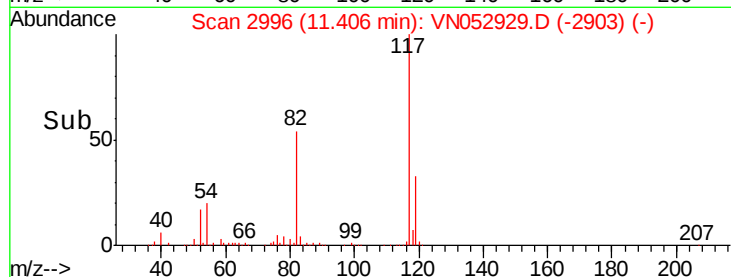
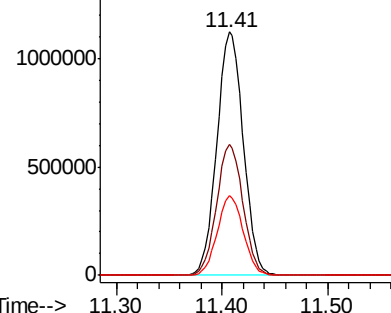
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1938093
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.6 25.5 38.3

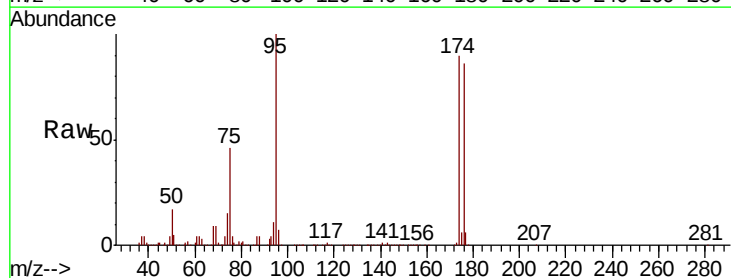


Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

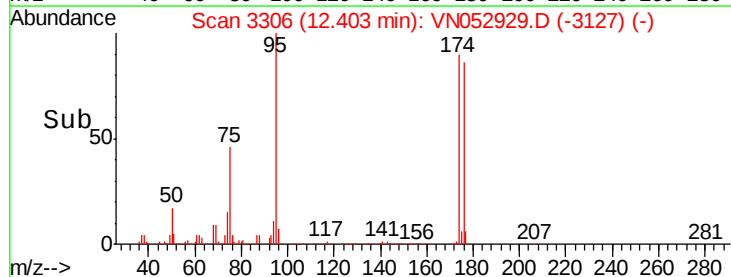
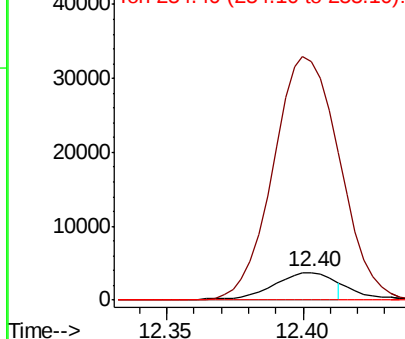


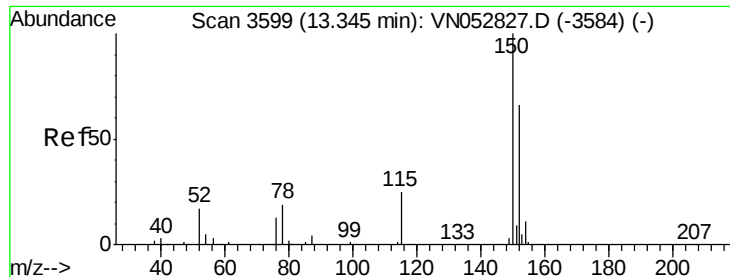
#71
Bromoform
Concen: 0.596 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion:173 Resp: 5666
Ion Ratio Lower Upper
173 100
175 866.7 24.3 72.9#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
40000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



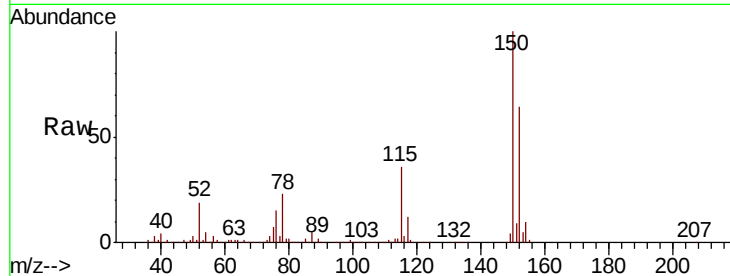


#72

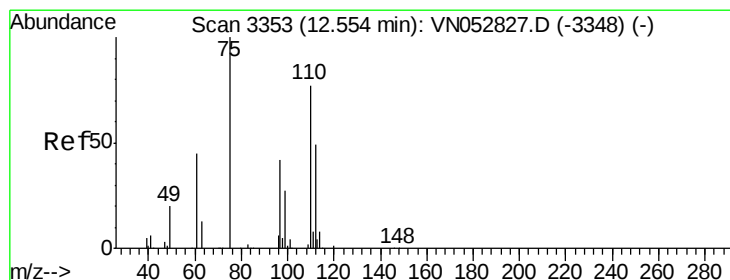
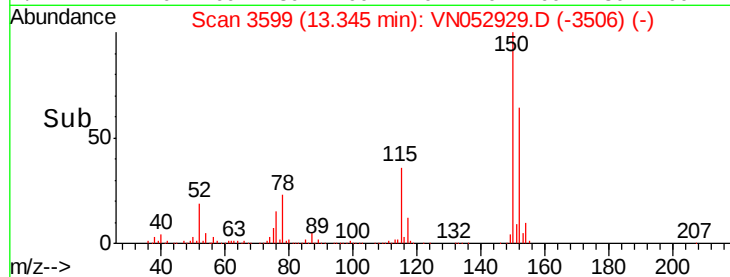
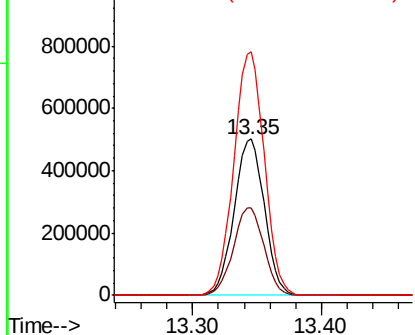
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 815328
Ion Ratio Lower Upper
152 100
115 56.7 28.3 85.0
150 156.8 0.0 347.8



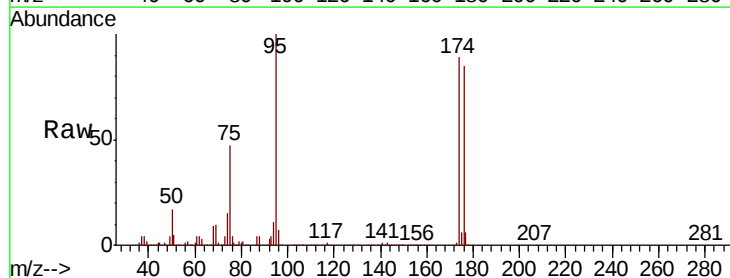
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



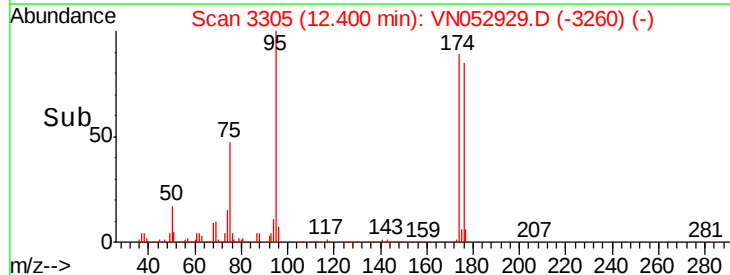
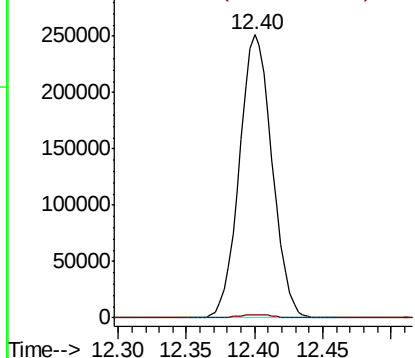
#76

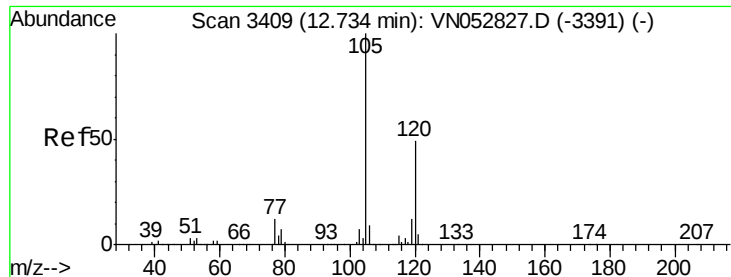
1,2,3-Trichloropropane
Concen: 34.686 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052929.D
Acq: 17 Dec 2018 16:04

Tgt Ion: 75 Resp: 417245
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

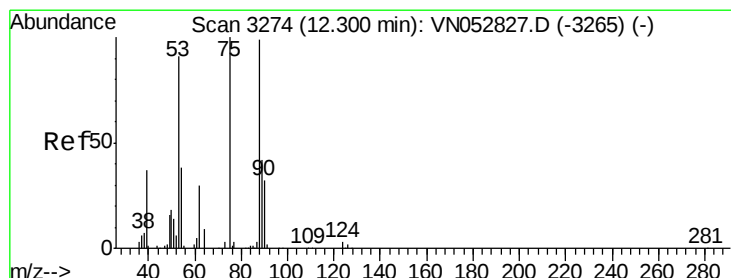
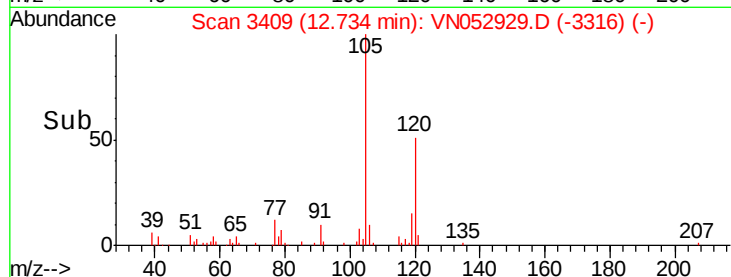
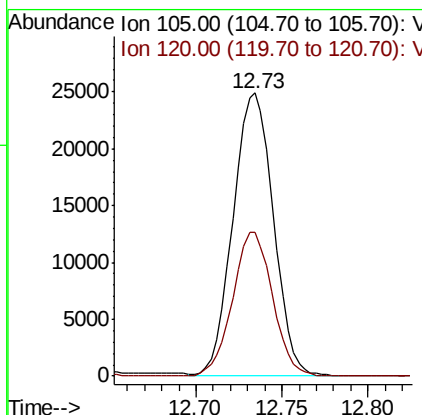
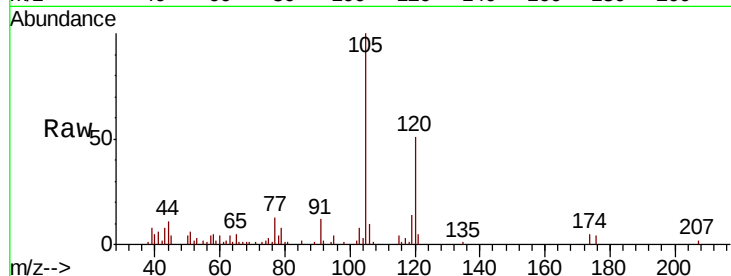




#80
 1,3,5-Trimethylbenzene
 Concen: 0.828 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

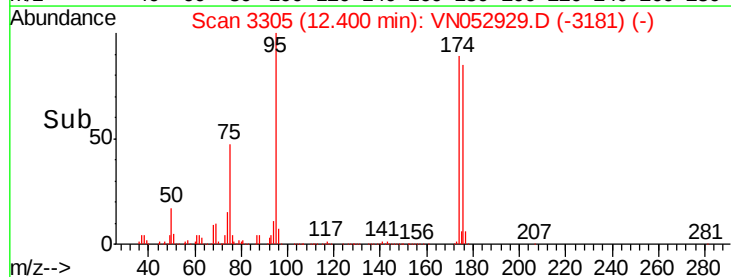
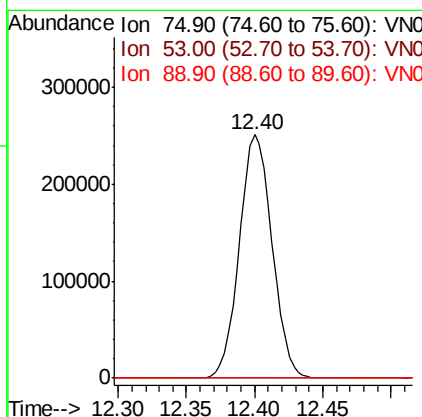
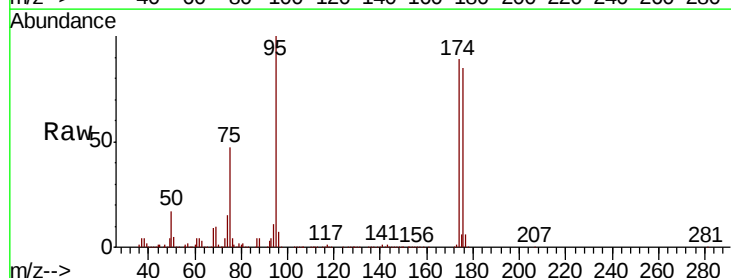
Instrument :
 MSVOA_N
 ClientSampled :

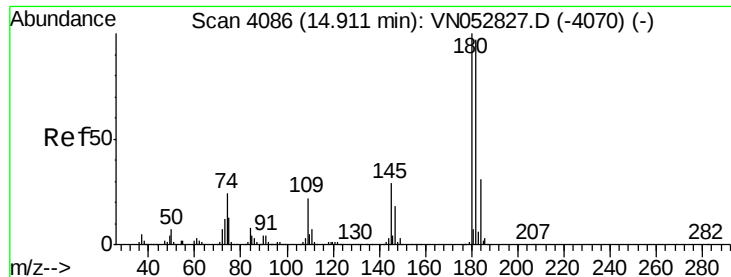
Tot Ion:105 Resp: 40694
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.428 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Tgt Ion: 75 Resp: 417245
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.7 112.1#
 89 0.0 36.1 54.1#

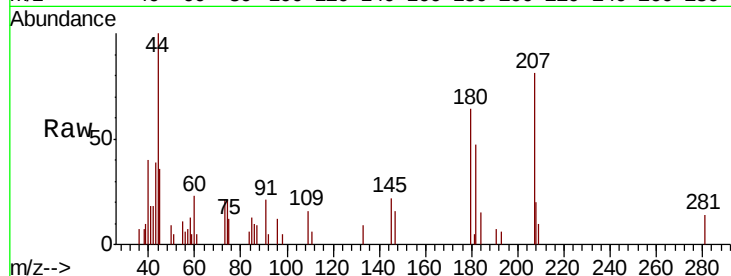




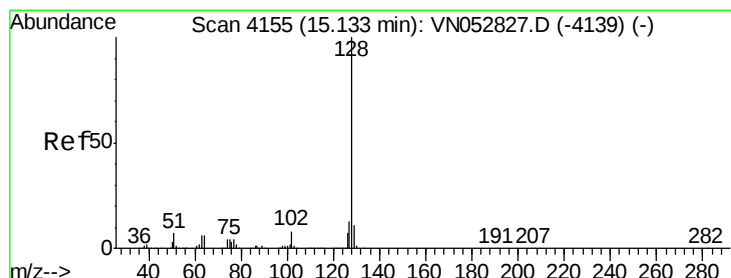
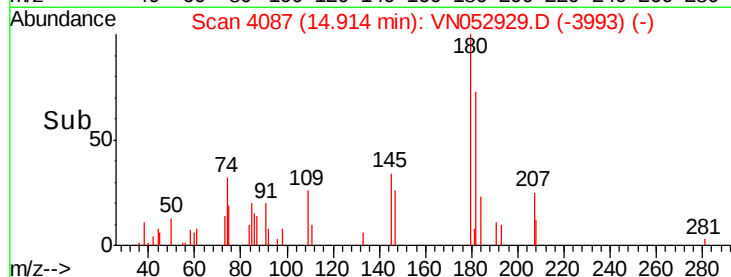
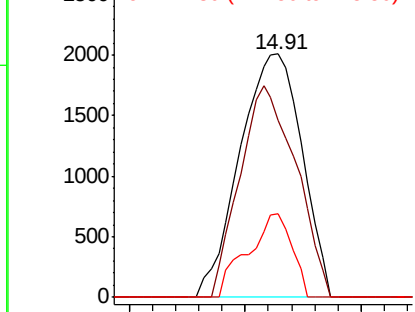
#93
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3744
 Ion Ratio Lower Upper
 180 100
 182 78.8 47.8 143.3
 145 24.4 14.2 42.6

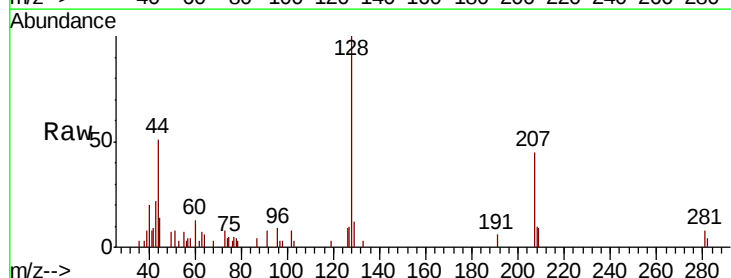


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

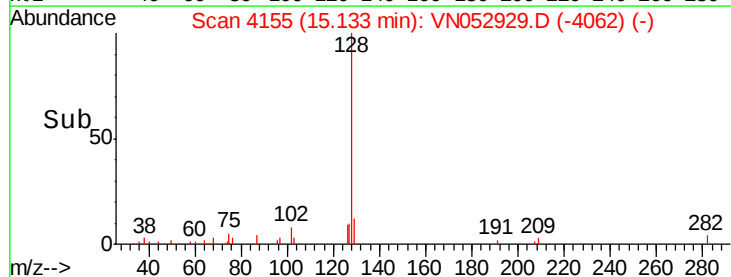
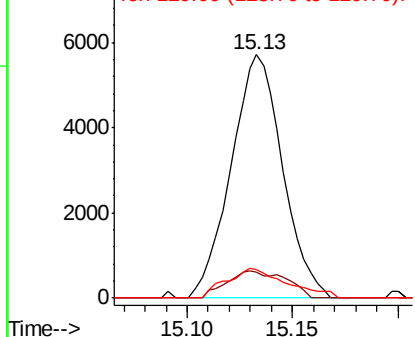


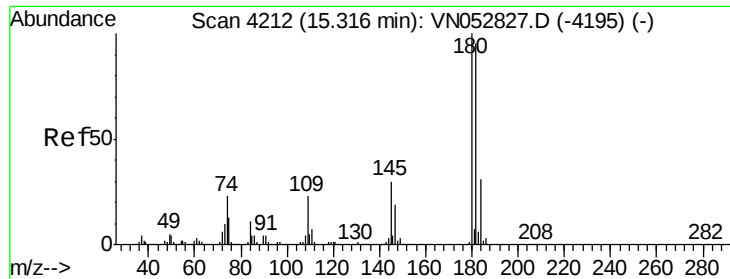
#95
 Naphthalene
 Concen: 0.325 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Tgt Ion:128 Resp: 9682
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.4
 129 14.4 8.6 13.0#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.295 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN052929.D
 Acq: 17 Dec 2018 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.7
145	34.5	15.0	45.0

