

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052930.D
 Acq On : 17 Dec 2018 16:31
 Operator : MD\SY
 Sample : PB115729TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:45:29 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	1268745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1971228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1749835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	700770	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	658783	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	491588	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
50) Toluene-d8	10.09	98	2407910	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	790163	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

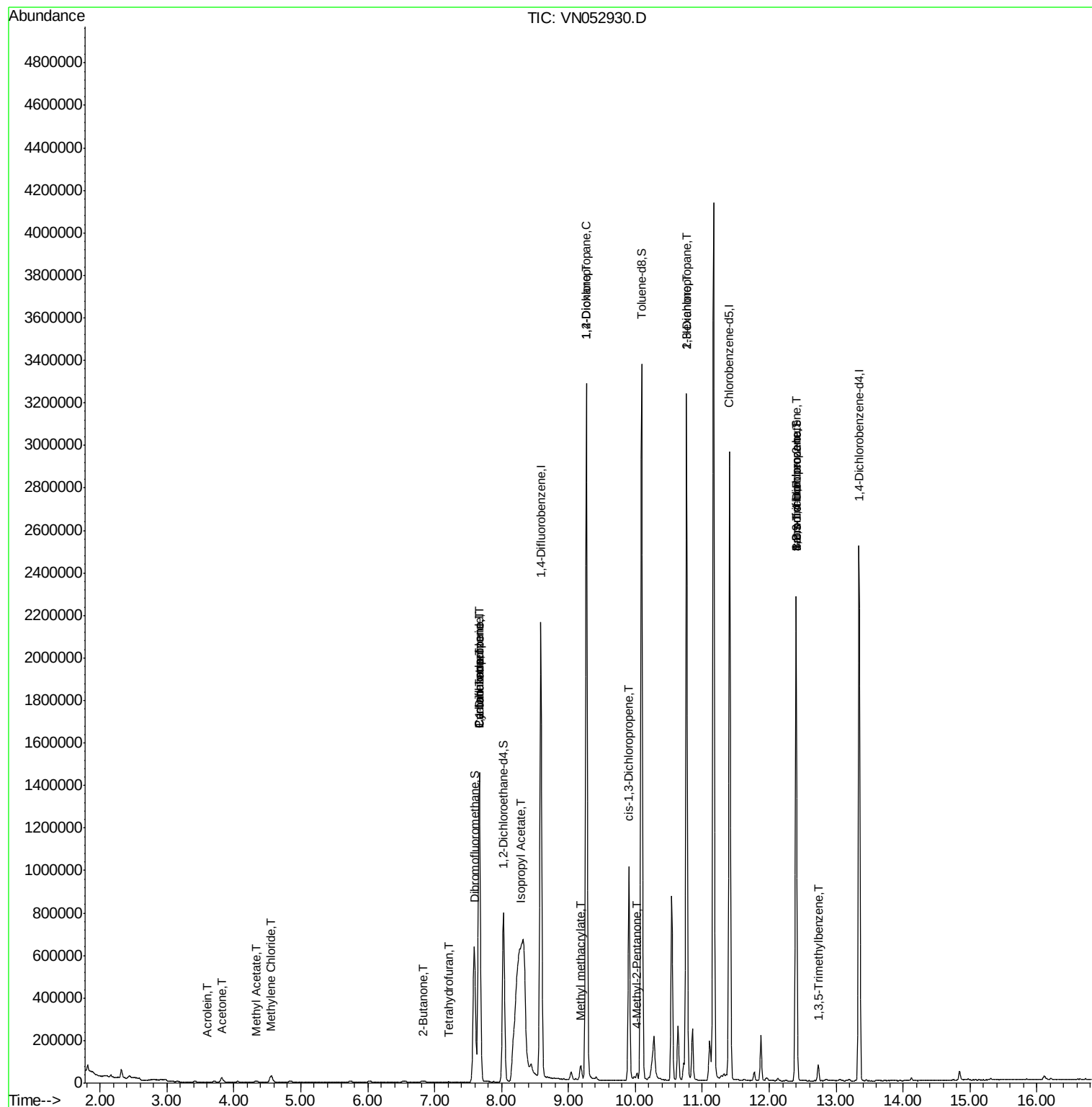
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	297	0.418	ug/l #	1
16) Acetone	3.82	43	33647	11.105	ug/l	97
18) Methyl Acetate	4.32	43	10750	0.967	ug/l #	73
20) Methylene Chloride	4.56	84	23530	1.726	ug/l	94
25) 2-Butanone	6.83	43	3082	0.656	ug/l	99
29) Tetrahydrofuran	7.21	42	1601	0.499	ug/l #	61
31) Cyclohexane	7.67	56	21472	0.363	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	85291	4.699	ug/l #	49
38) Carbon Tetrachloride	7.67	117	110580	6.618	ug/l #	16
43) Isopropyl Acetate	8.28	43	1162662	52.002	ug/l #	53
45) 1,2-Dichloropropane	9.27	63	4131	0.289	ug/l #	44
48) Methyl methacrylate	9.18	41	23191	2.365	ug/l #	21
49) 1,4-Dioxane	9.27	88	489	4.394	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	30550	2.980	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	191236	9.293	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	33341	1.651	ug/l #	43
59) 2-Hexanone	10.76	43	466487	66.395	ug/l #	49
71) Bromoform	12.40	173	5108	0.596	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	372241	36.003	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	39729	0.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	372241	115.660	ug/l #	12

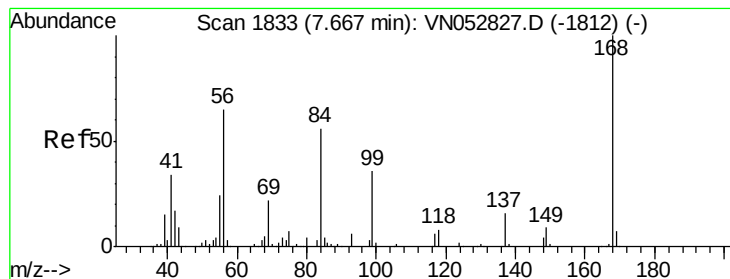
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052930.D

Acq: 17 Dec 2018 16:31

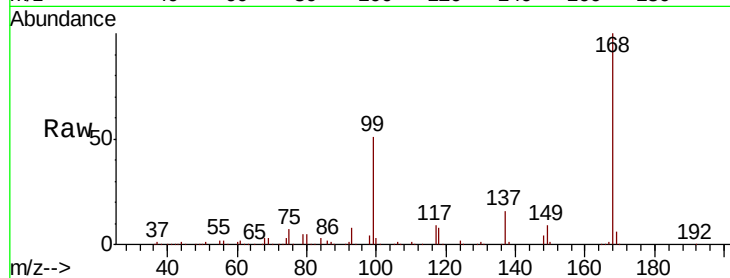
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1268745

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

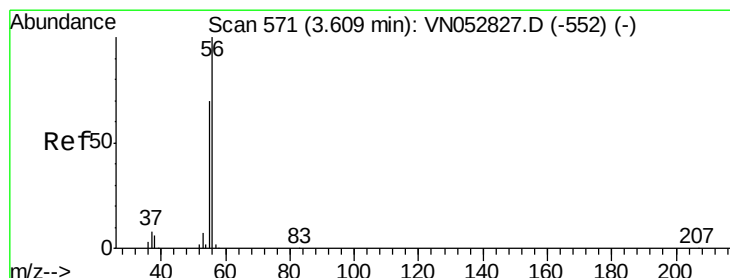
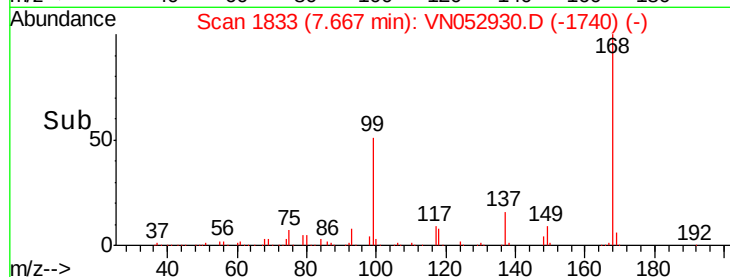
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.418 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN052930.D

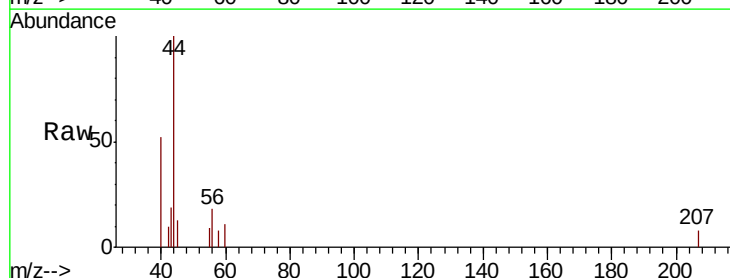
Acq: 17 Dec 2018 16:31

Tgt Ion: 56 Resp: 297

Ion Ratio Lower Upper

56 100

55 270.7 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.60

400

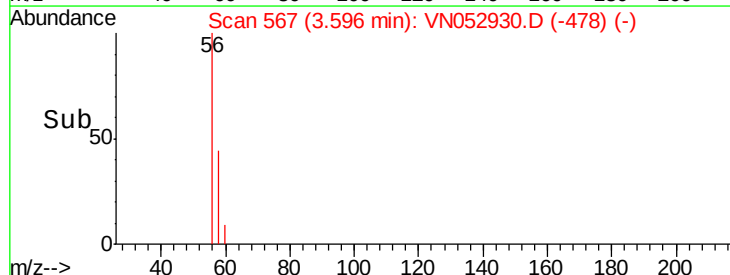
300

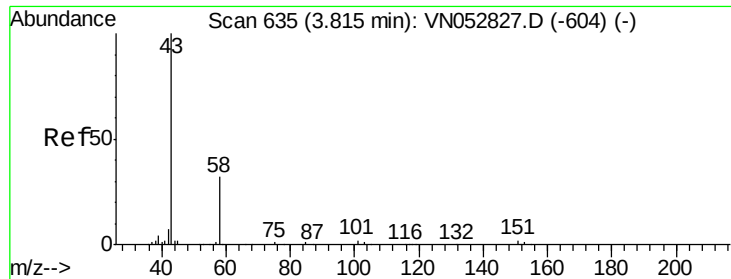
200

100

0

Time-->

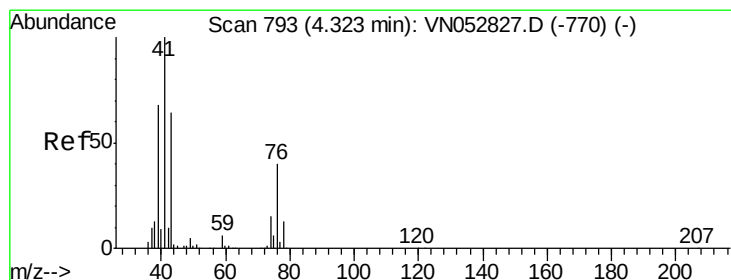
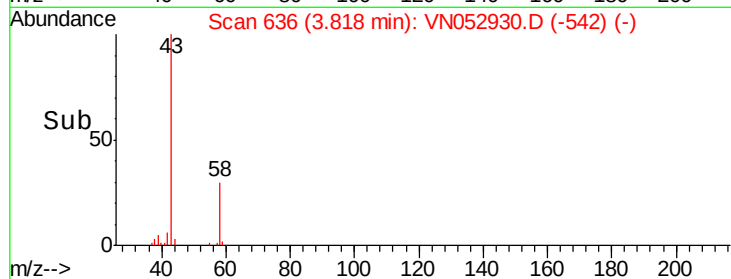
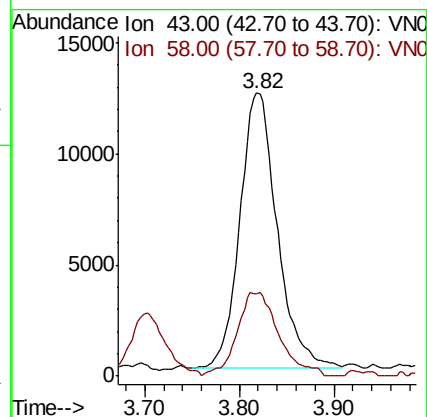
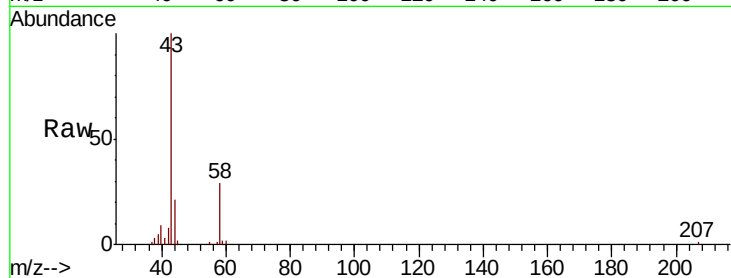




#16
Acetone
Concen: 11.105 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

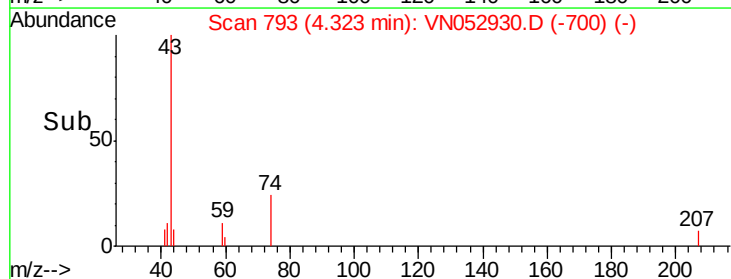
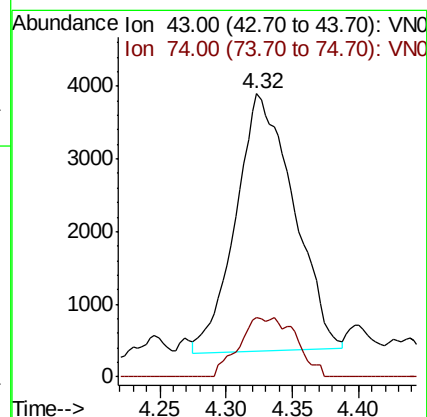
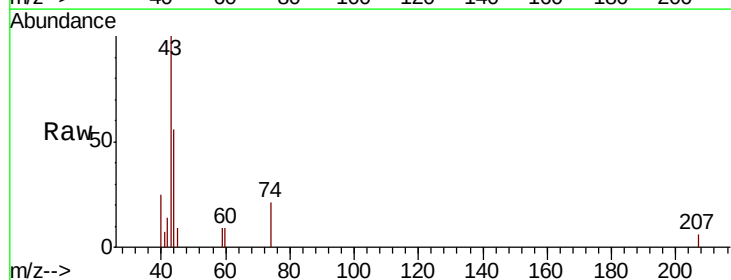
Instrument :
MSVOA_N
ClientSampleId :

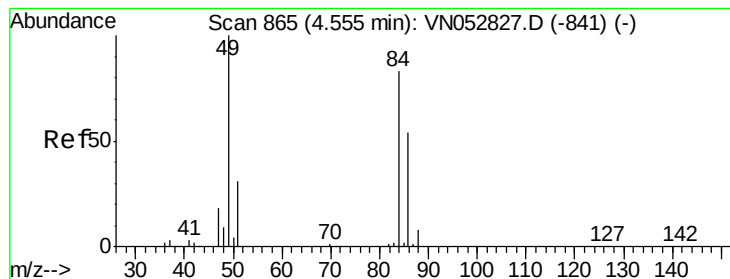
Tot Ion: 43 Resp: 33647
Ion Ratio Lower Upper
43 100
58 30.1 25.4 38.0



#18
Methyl Acetate
Concen: 0.967 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

Tgt Ion: 43 Resp: 10750
Ion Ratio Lower Upper
43 100
74 10.9 19.2 28.8#





#20

Methvlene Chloride

Concen: 1.726 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 23530

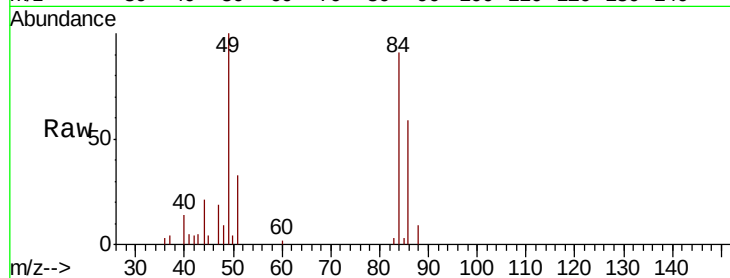
Ion Ratio Lower Upper

84 100

49 109.8 96.8 145.2

51 36.3 29.9 44.9

86 65.2 51.8 77.6

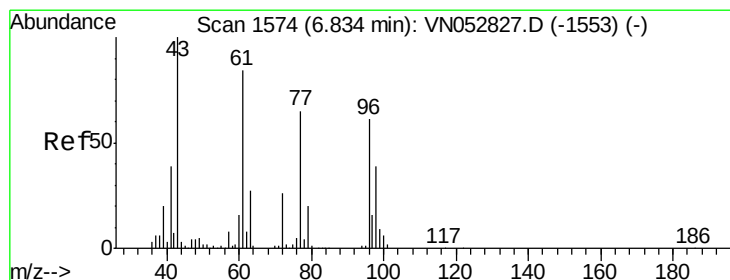
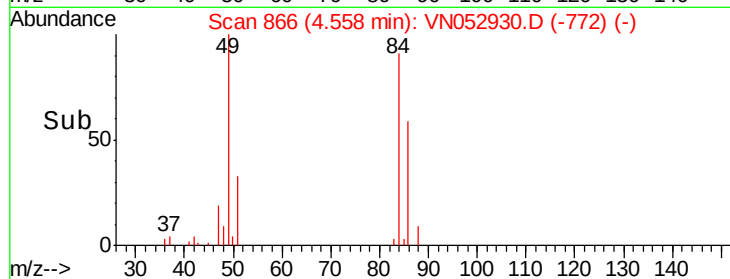
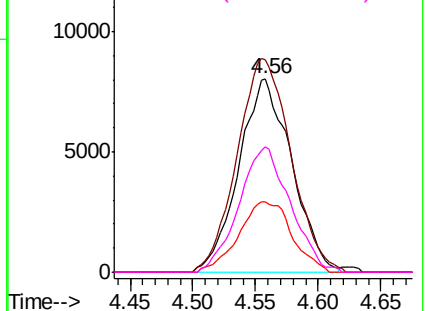


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 0.656 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052930.D

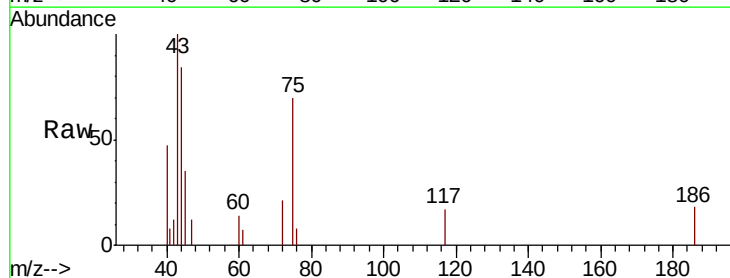
Acq: 17 Dec 2018 16:31

Tgt Ion: 43 Resp: 3082

Ion Ratio Lower Upper

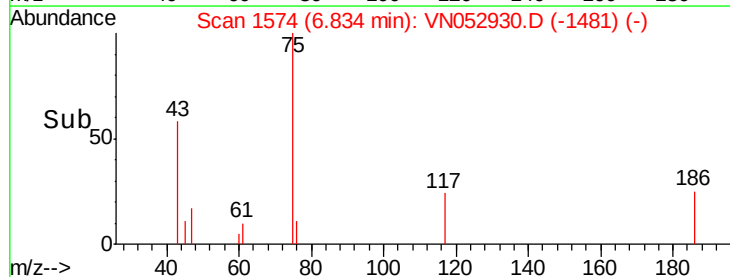
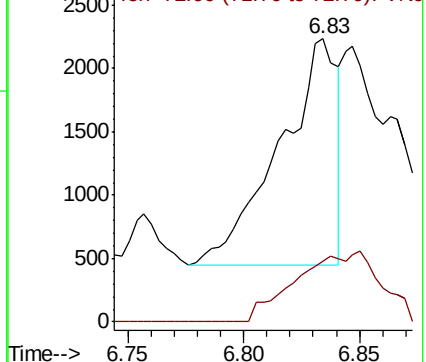
43 100

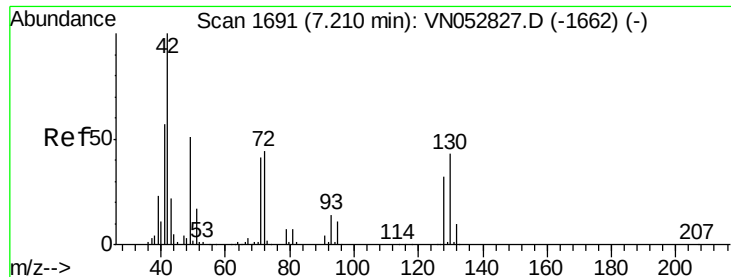
72 26.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

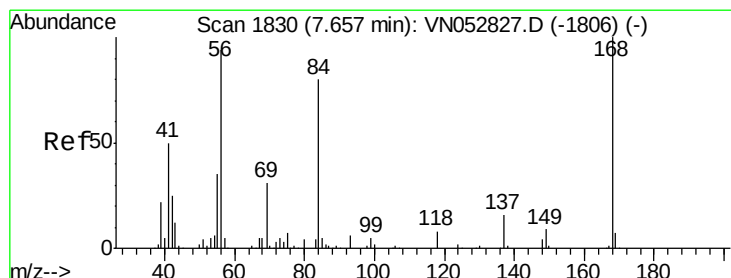
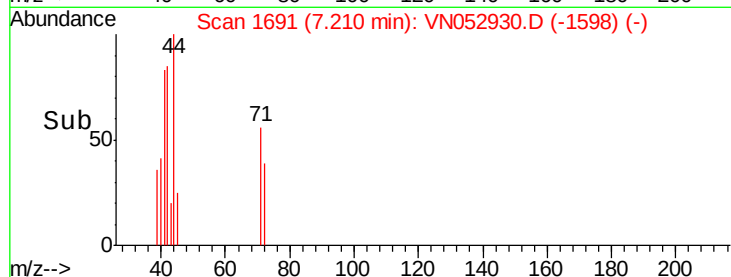
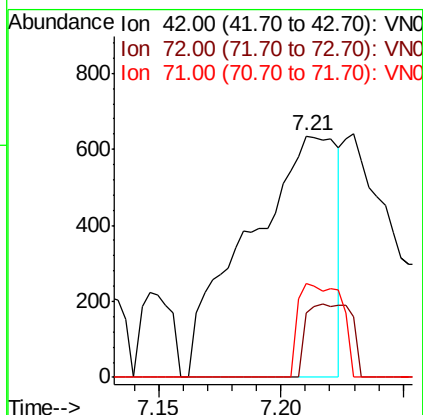
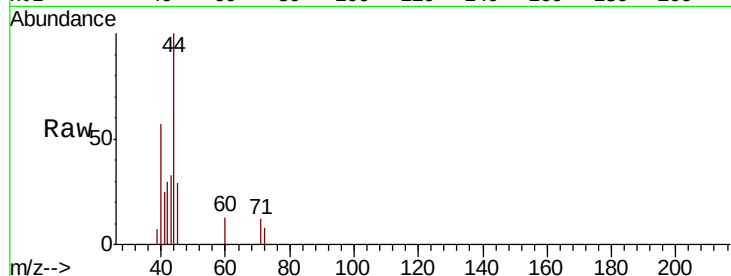




#29
Tetrahydrofuran
Concen: 0.499 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

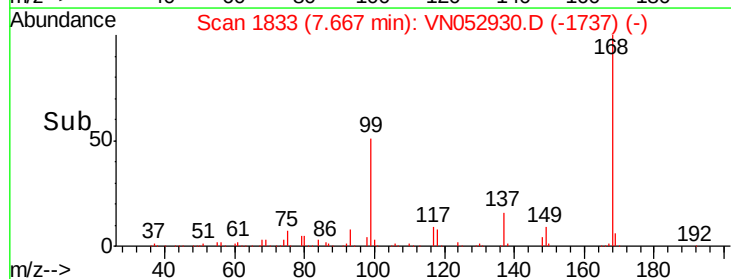
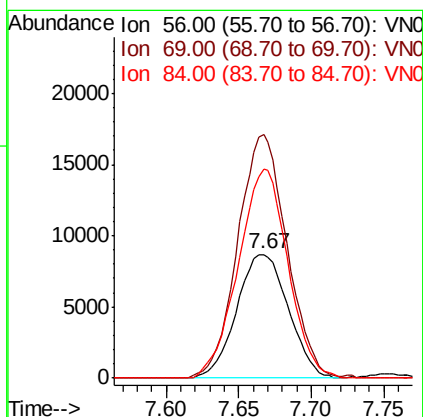
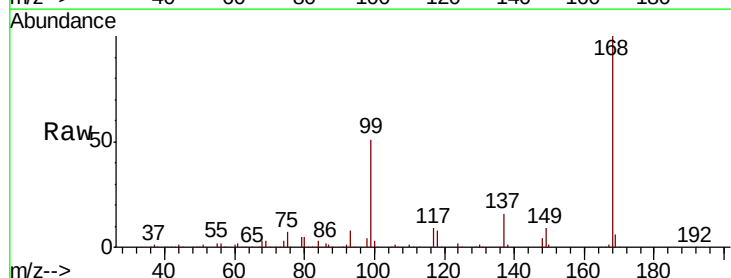
Instrument :
MSVOA_N
ClientSampleId :

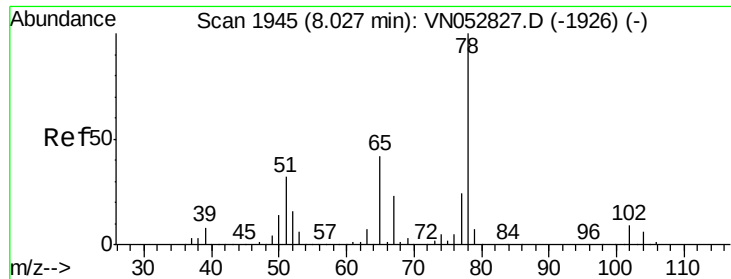
Tot Ion: 42 Resp: 1601
Ion Ratio Lower Upper
42 100
72 15.4 34.7 52.1#
71 18.7 32.3 48.5#



#31
Cyclohexane
Concen: 0.363 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

Tgt Ion: 56 Resp: 21472
Ion Ratio Lower Upper
56 100
69 196.9 26.6 39.8#
84 169.3 68.4 102.6#

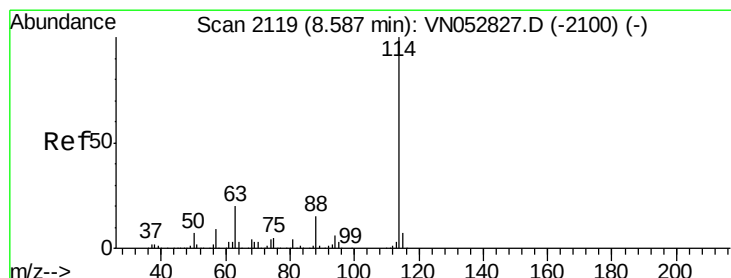
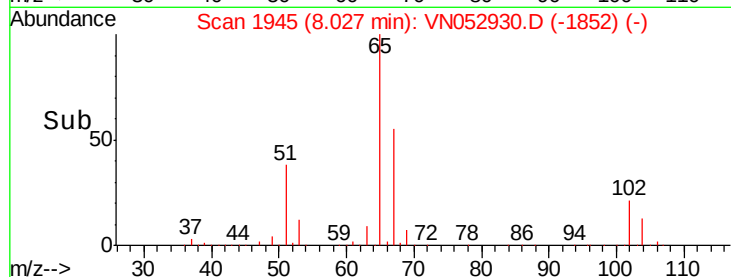
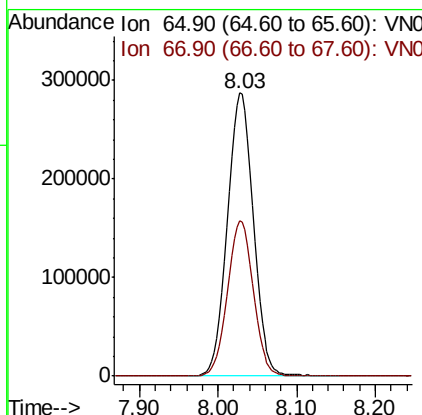
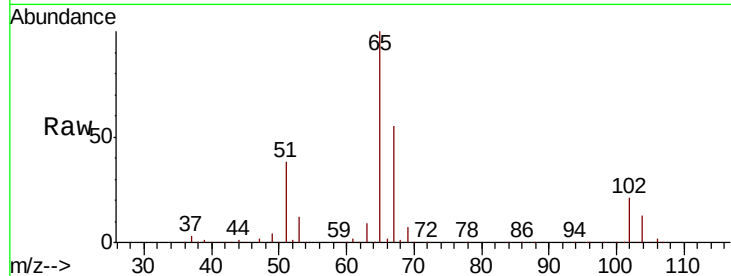




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

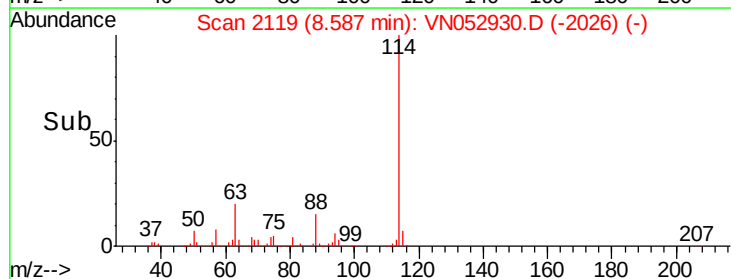
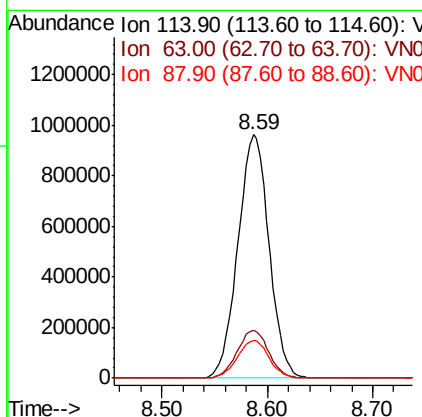
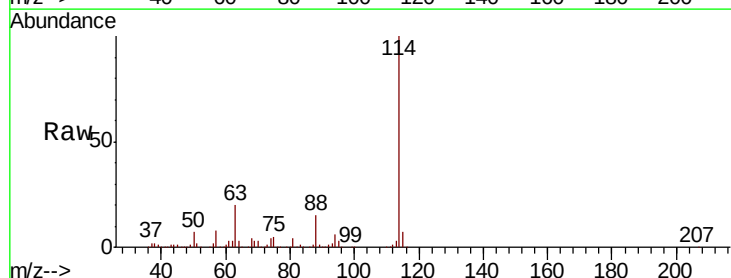
Instrument :
 MSVOA_N
 ClientSampleId :

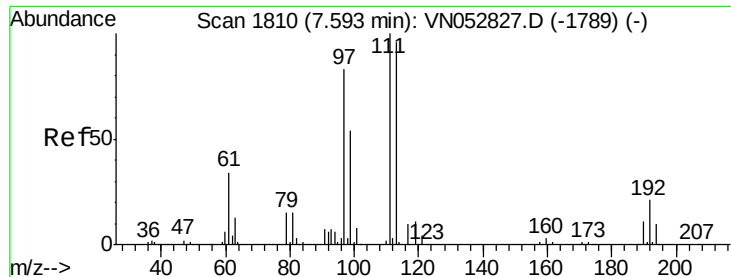
Tot Ion: 65 Resp: 658783
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

Tgt Ion: 114 Resp: 1971228
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.0

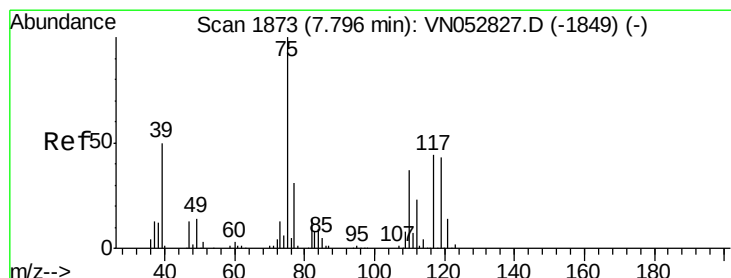
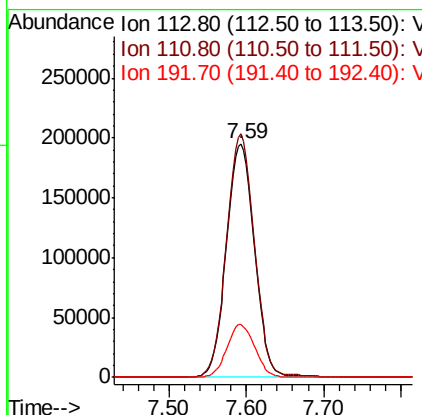
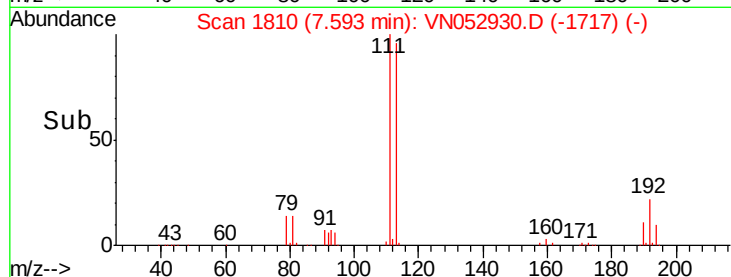
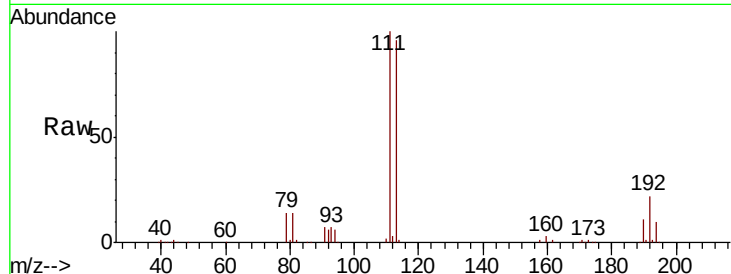




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

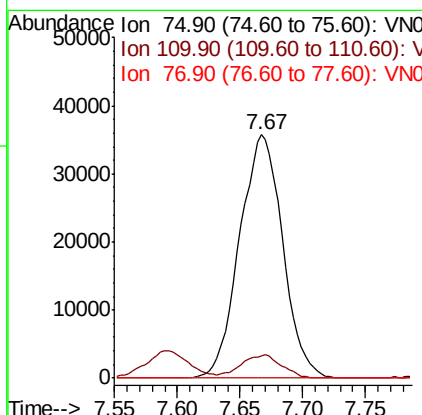
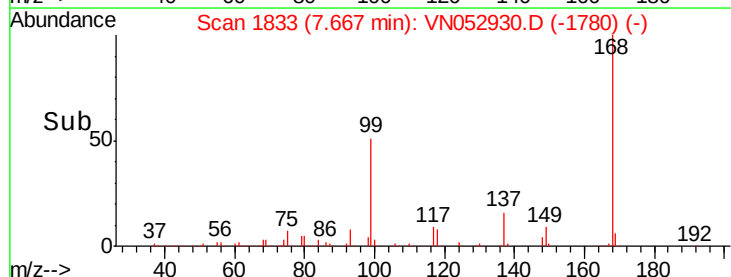
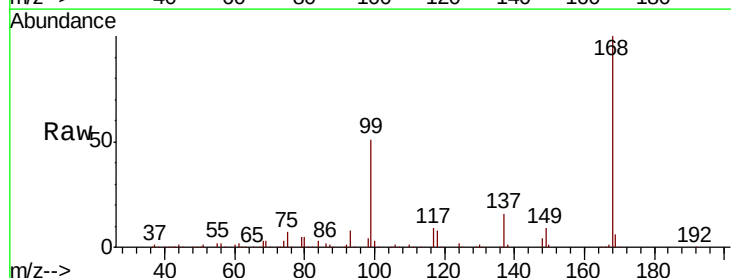
Instrument :
 MSVOA_N
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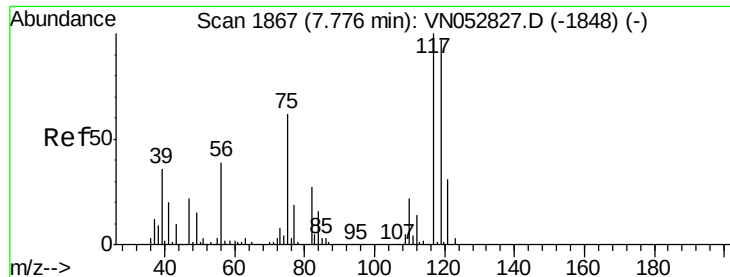
Tot Ion:113 Resp: 491588
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.4
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.699 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

Tgt Ion: 75 Resp: 85291
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.2 54.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

ClientSampled :

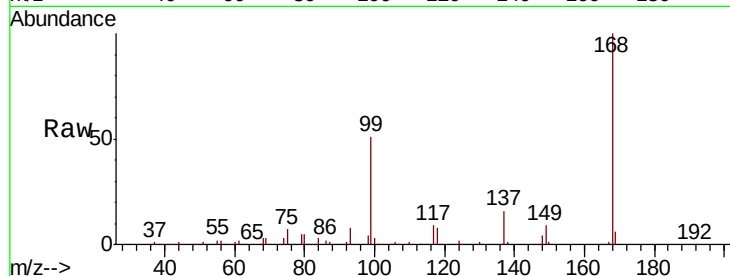
Tot Ion:117 Resp: 110580

Ion Ratio Lower Upper

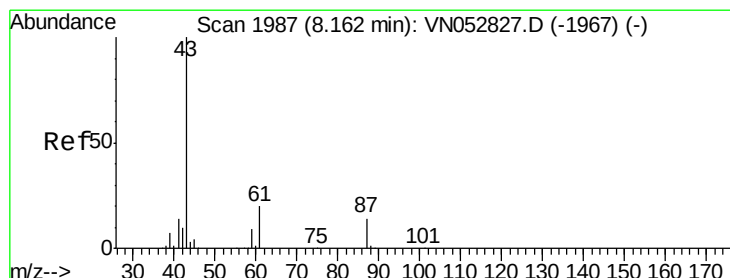
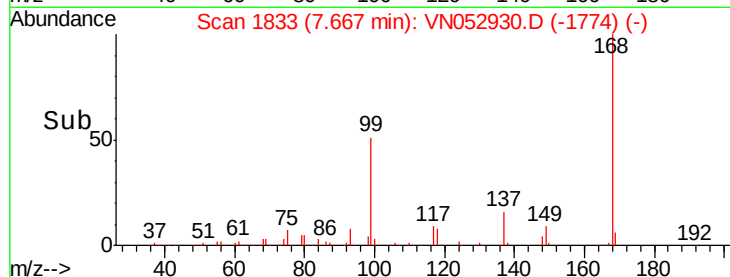
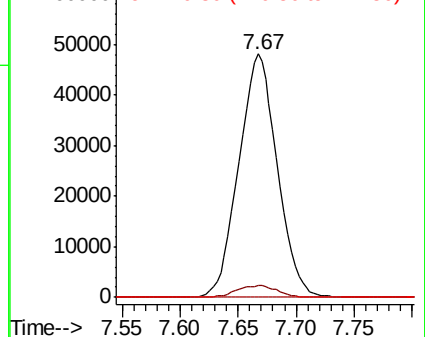
117 100

119 4.9 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: 52.002 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

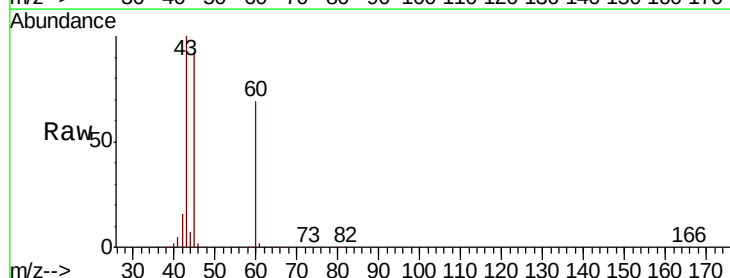
Tgt Ion: 43 Resp: 1162662

Ion Ratio Lower Upper

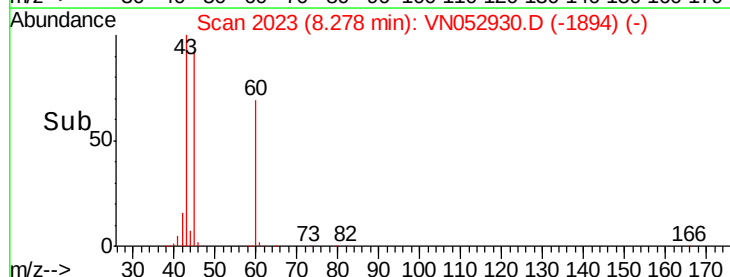
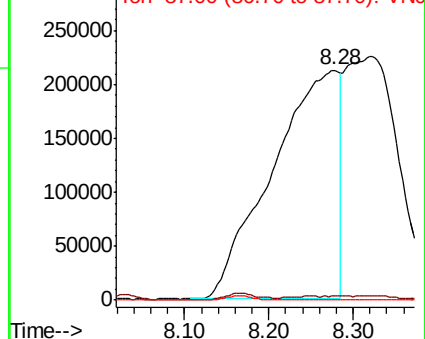
43 100

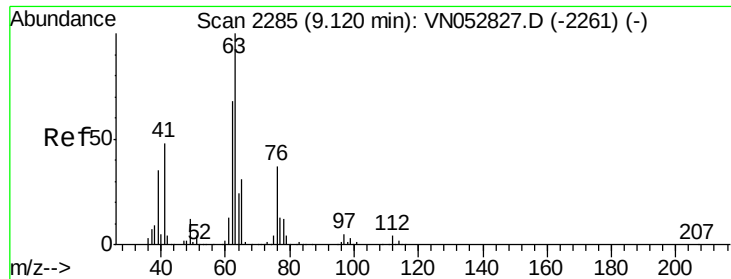
61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



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

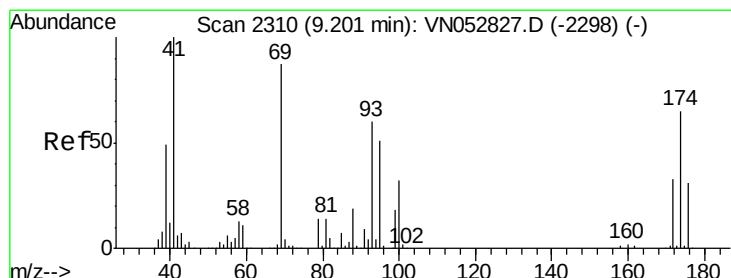
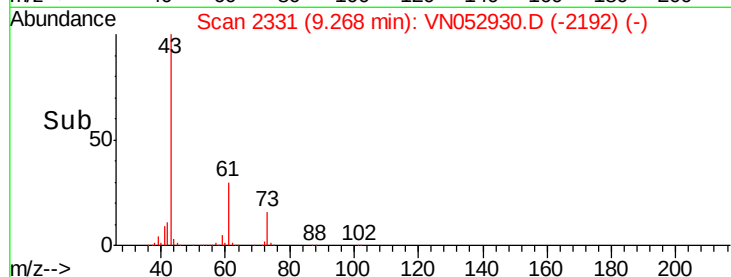
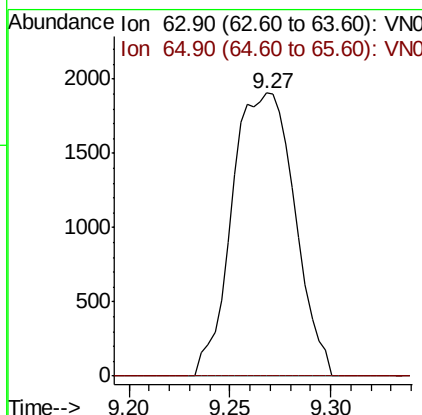
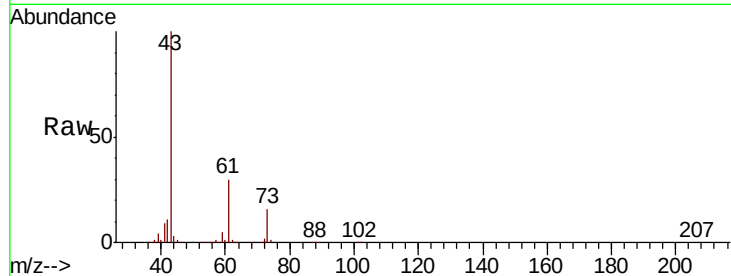




#45
 1,2-Dichloropropane
 Concen: 0.289 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

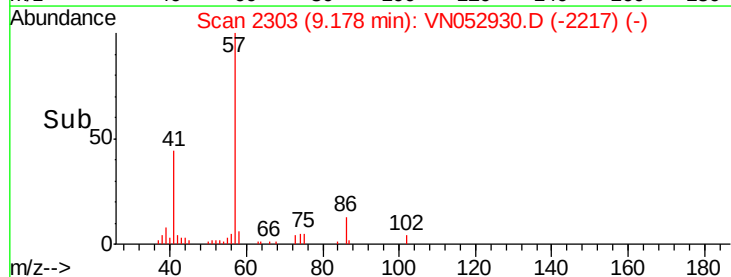
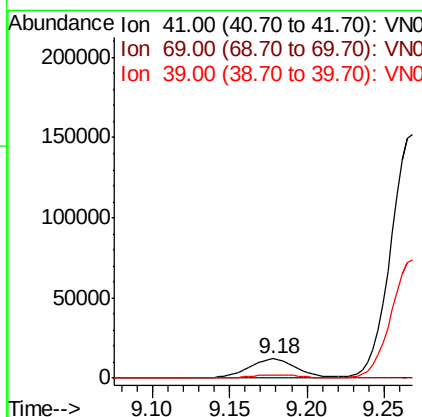
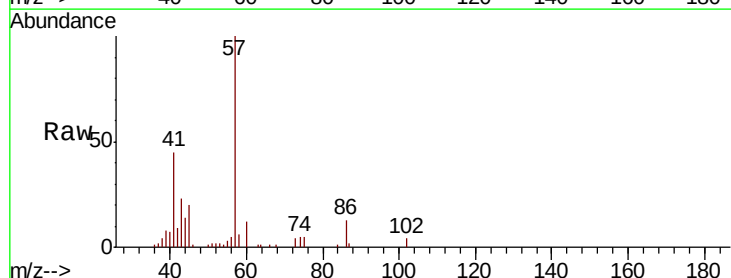
Instrument :
 MSVOA_N
 ClientSampleId :

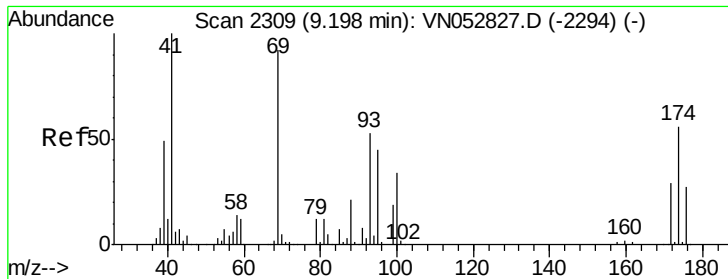
Tot Ion: 63 Resp: 4131
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 2.365 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

Tgt Ion: 41 Resp: 23191
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 17.4 41.9 62.9#





#49

1,4-Dioxane

Concen: 4.394 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

ClientSampleId :

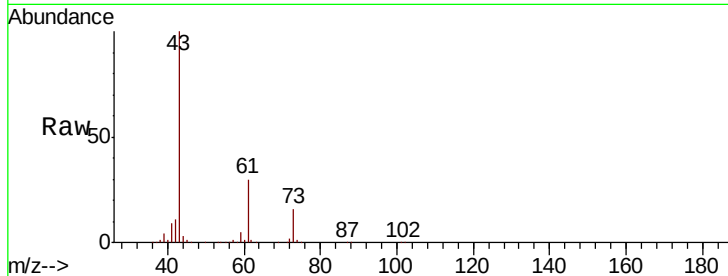
Tot Ion: 88 Resp: 489

Ion Ratio Lower Upper

88 100

43 660977.7 26.6 40.0#

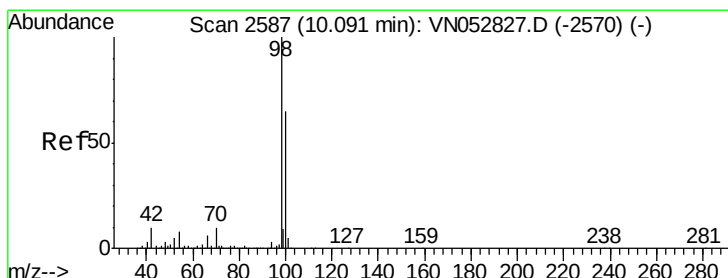
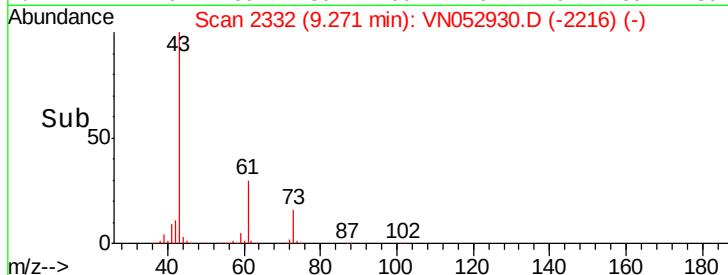
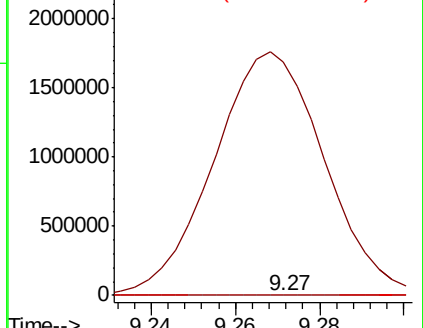
58 2613.3 58.4 87.6#



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: 4.394 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052930.D

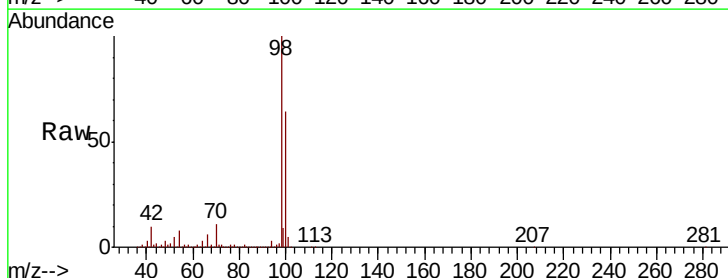
Acq: 17 Dec 2018 16:31

Tgt Ion: 98 Resp: 2407910

Ion Ratio Lower Upper

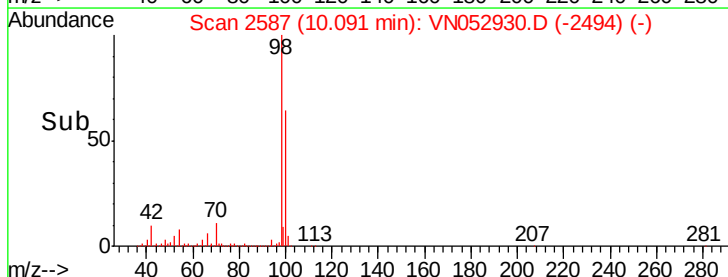
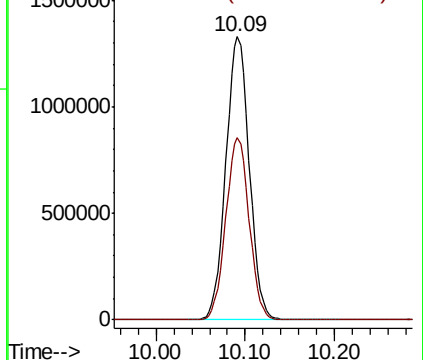
98 100

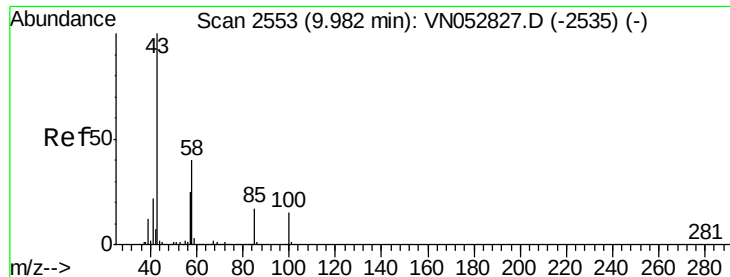
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.980 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

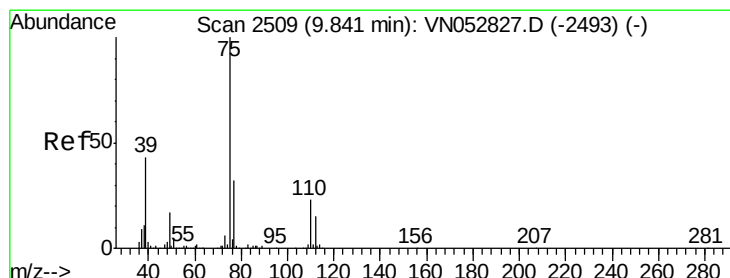
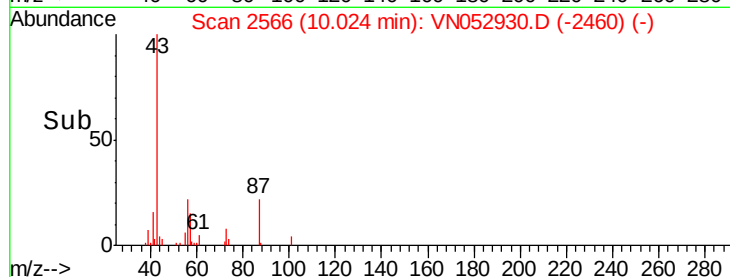
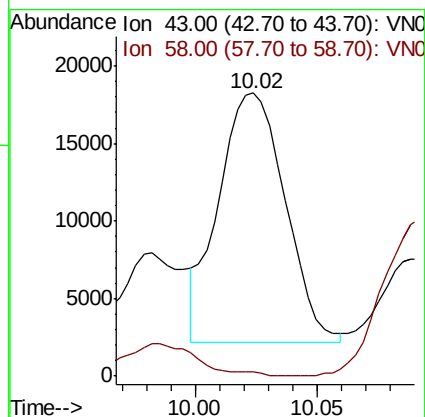
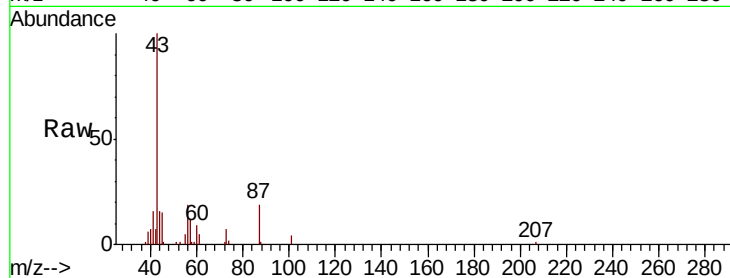
ClientSampleId :

Tot Ion: 43 Resp: 30550

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 9.293 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

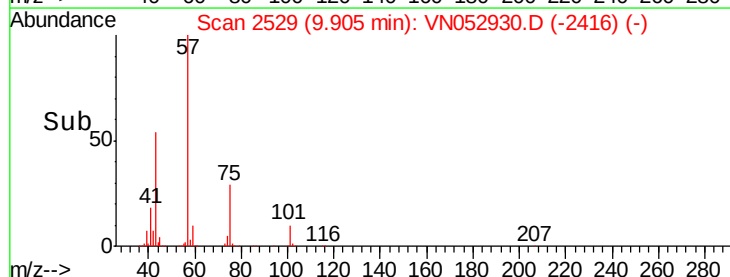
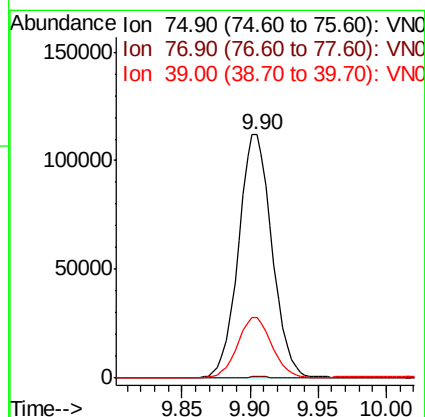
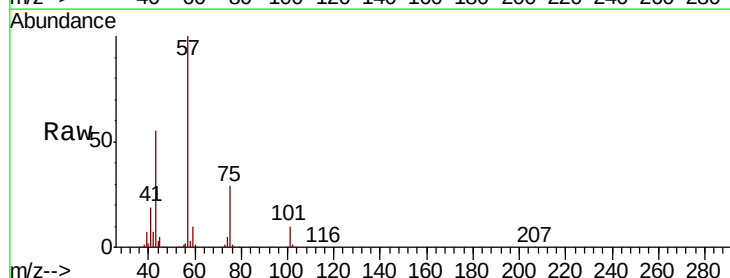
Tgt Ion: 75 Resp: 191236

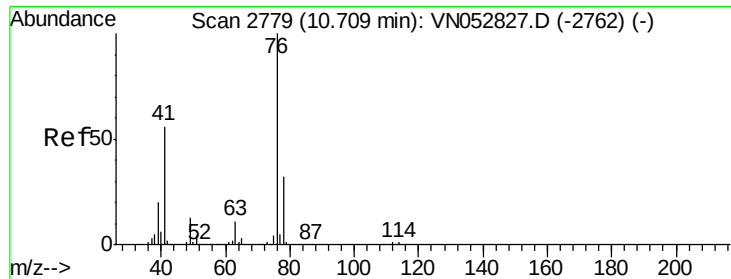
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

39 24.5 34.8 52.2#

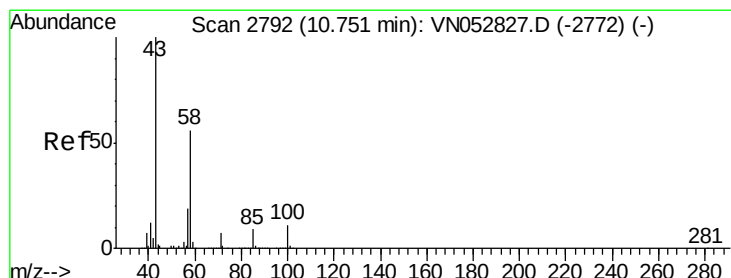
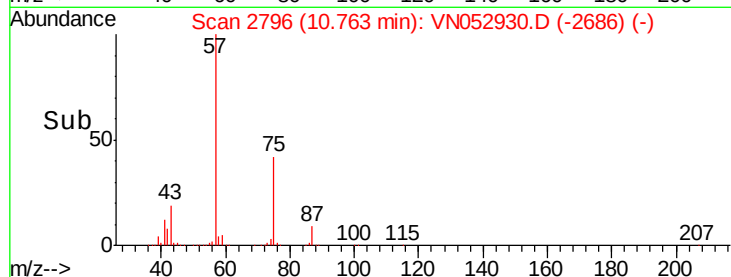
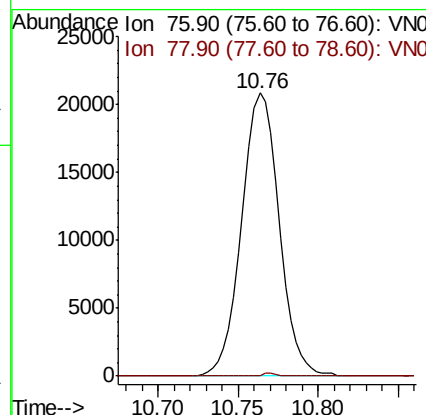
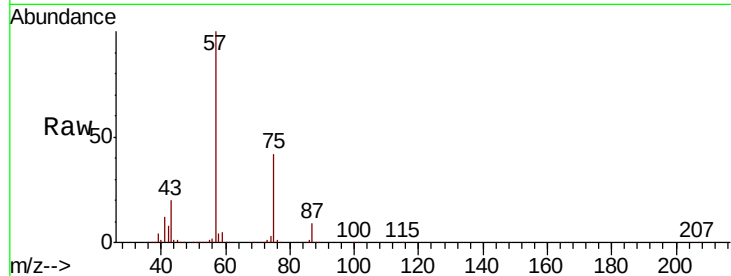




#57
 1,3-Dichloropropane
 Concen: 1.651 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

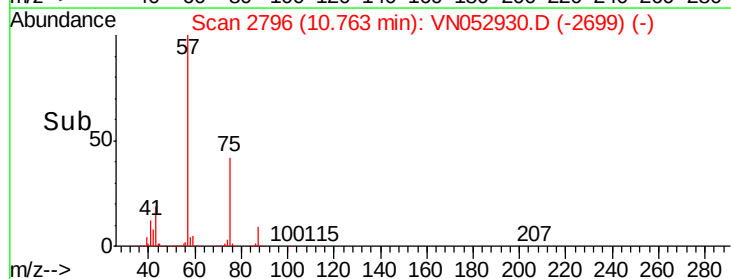
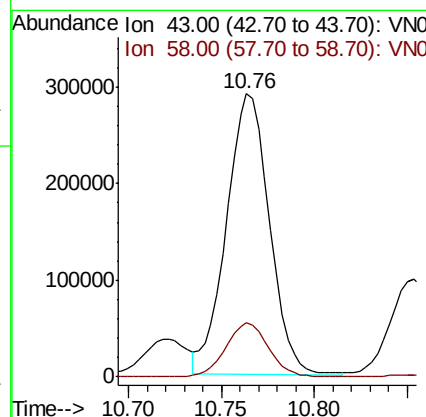
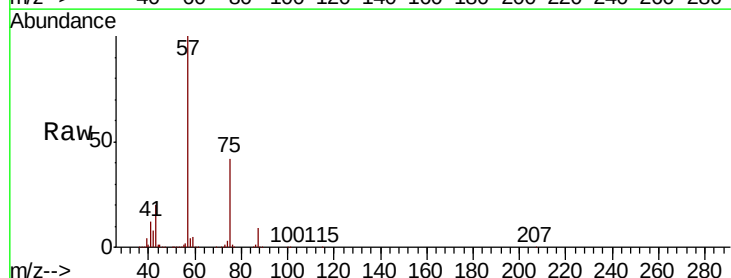
Instrument :
 MSVOA_N
 ClientSampleId :

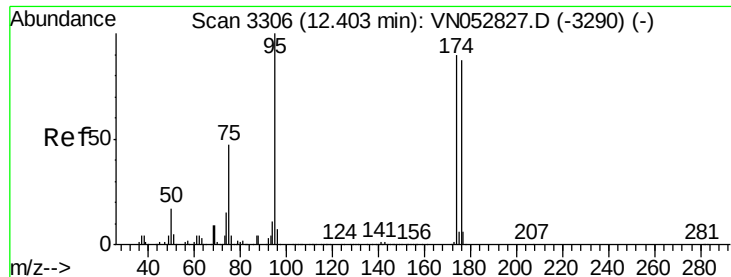
Tot Ion: 76 Resp: 33341
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#



#59
 2-Hexanone
 Concen: 66.395 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

Tgt Ion: 43 Resp: 466487
 Ion Ratio Lower Upper
 43 100
 58 19.2 28.1 84.3#

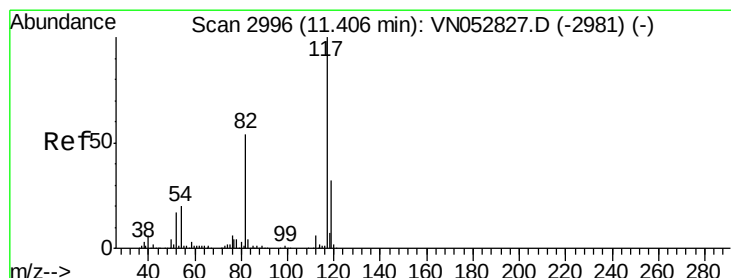
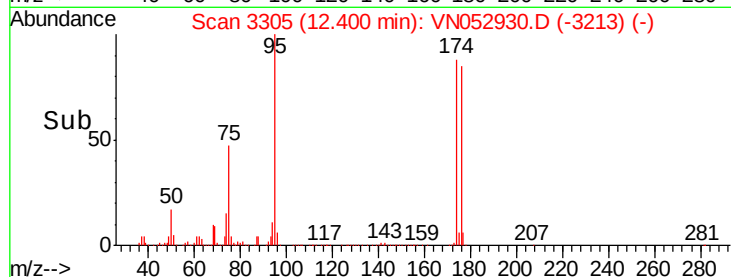
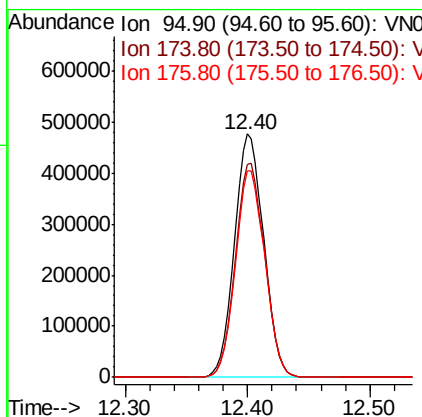
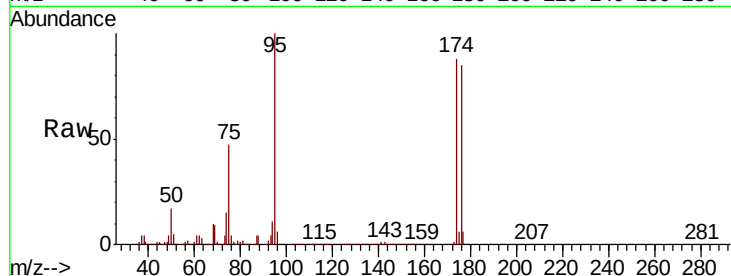




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

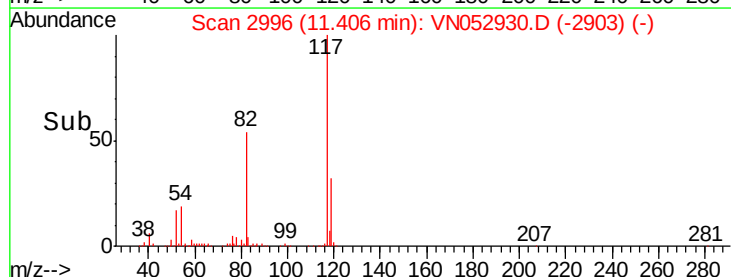
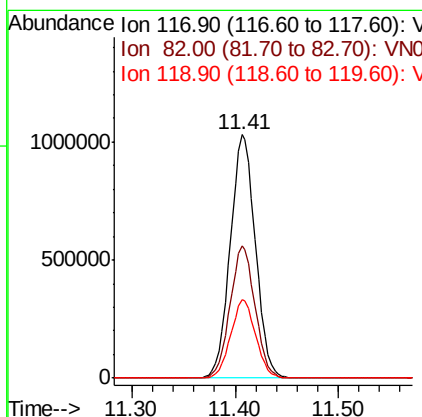
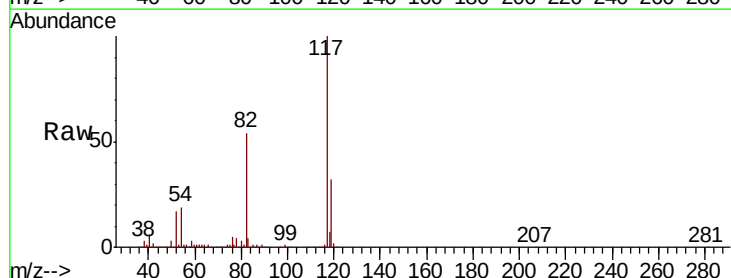
Instrument :
MSVOA_N
ClientSampleId :

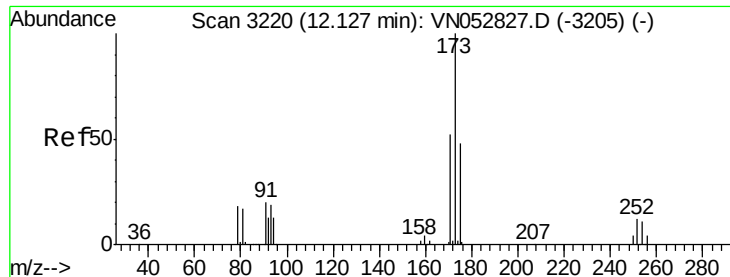
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	178.8
176	85.1	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052930.D
Acq: 17 Dec 2018 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.8	64.2
119	32.0	25.5	38.3





#71

Bromoform

Concen: 0.596 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

ClientSampleId :

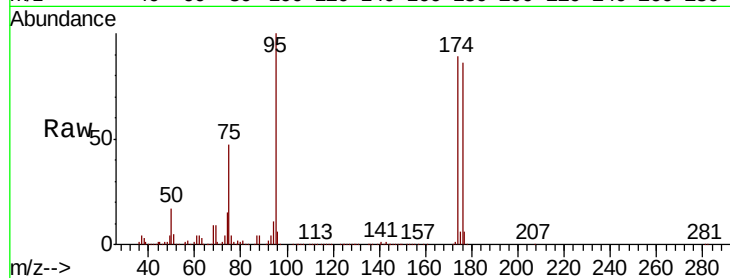
Tot Ion:173 Resp: 5108

Ion Ratio Lower Upper

173 100

175 839.9 24.3 72.9#

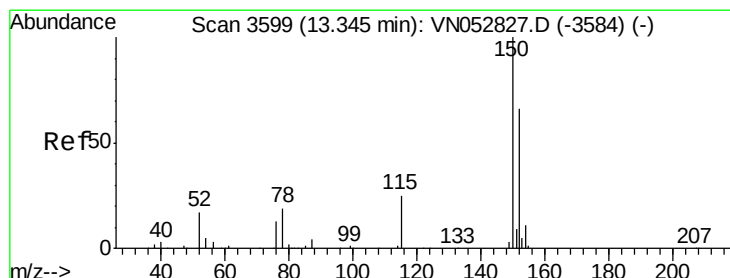
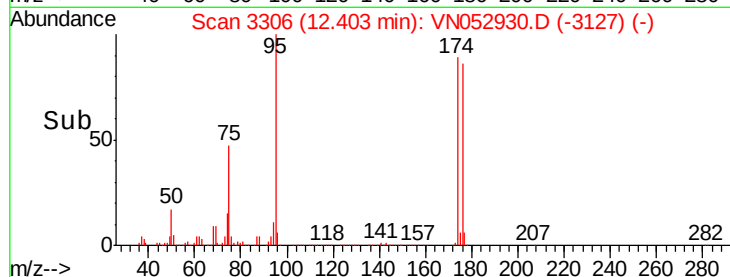
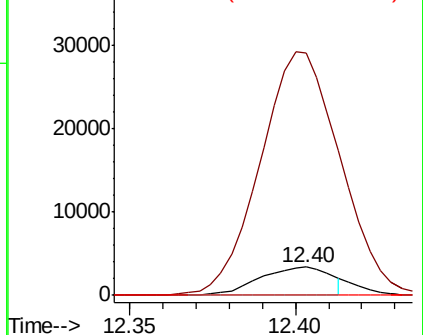
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

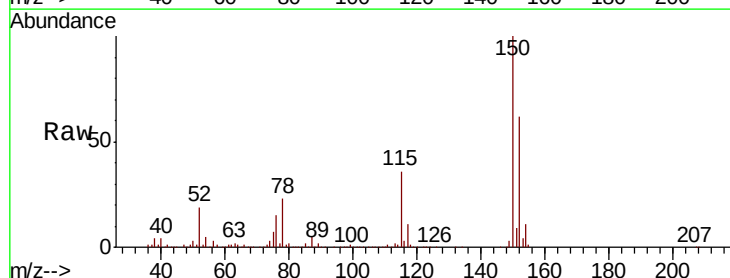
Tgt Ion:152 Resp: 700770

Ion Ratio Lower Upper

152 100

115 56.8 28.3 85.0

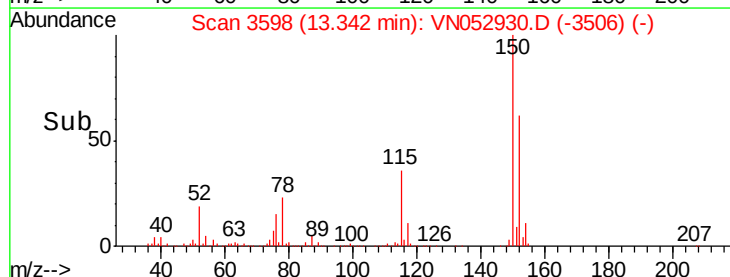
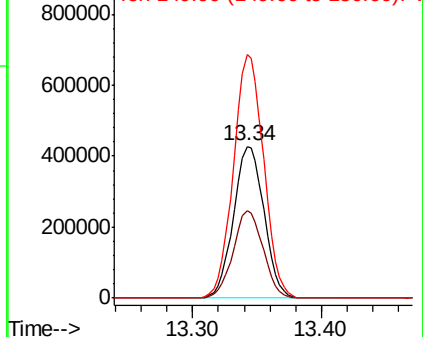
150 158.9 0.0 347.8

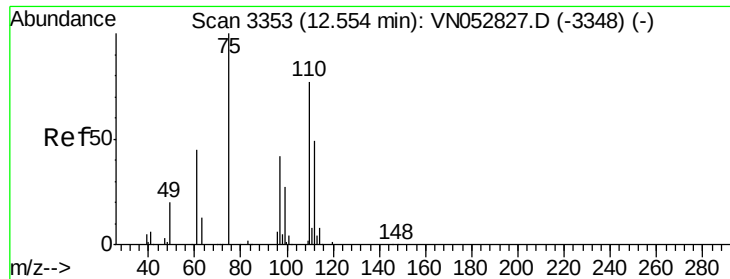


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

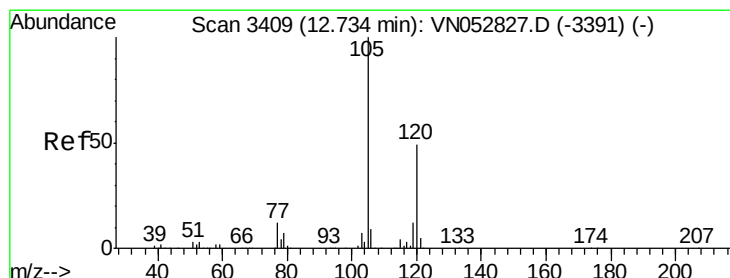
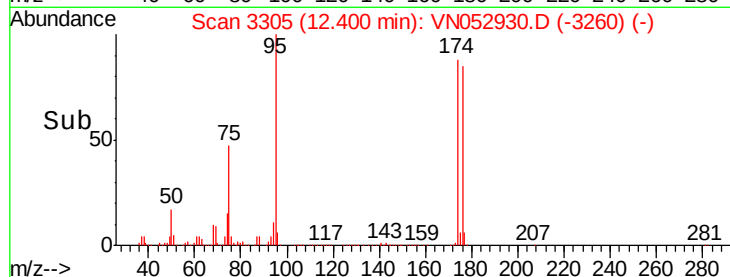
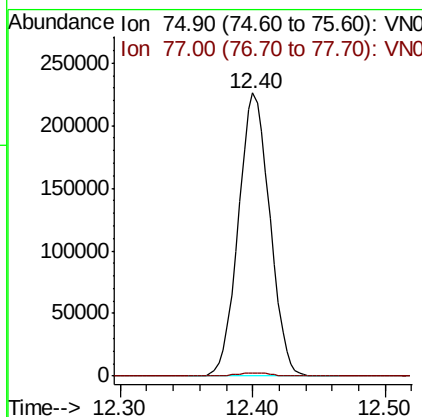
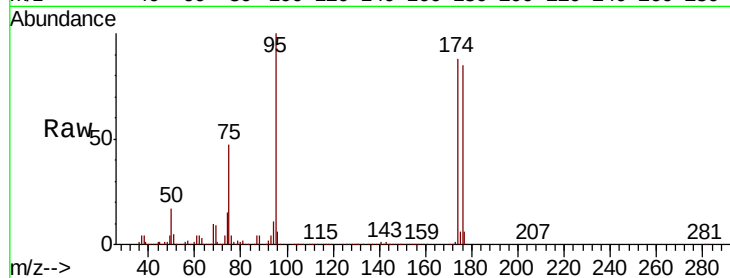




#76
 1,2,3-Trichloropropane
 Concen: 36.003 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

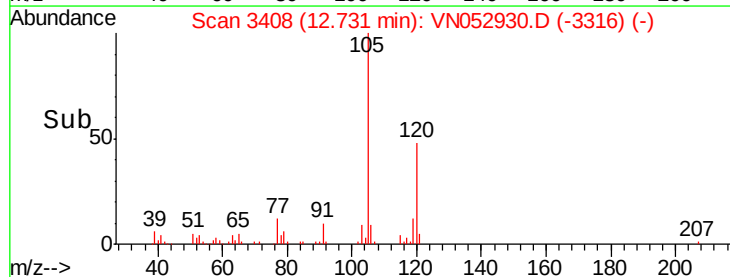
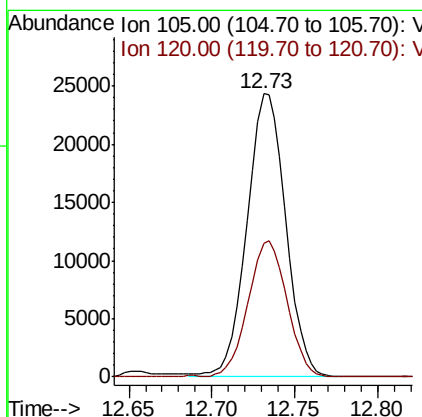
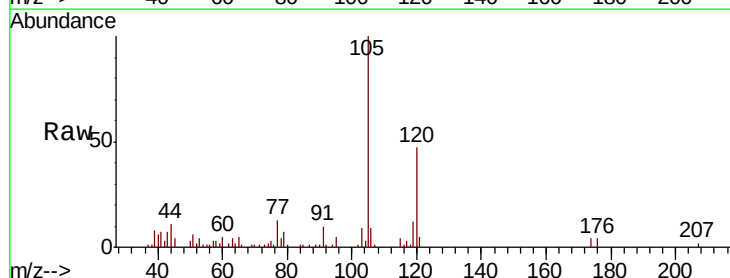
Instrument :
 MSVOA_N
 ClientSampled :

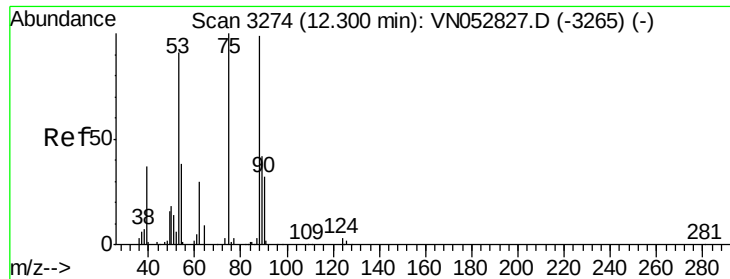
Tot Ion: 75 Resp: 372241
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.941 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052930.D
 Acq: 17 Dec 2018 16:31

Tgt Ion: 105 Resp: 39729
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 115.660 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052930.D

Acq: 17 Dec 2018 16:31

Instrument :

MSVOA_N

ClientSampleId :

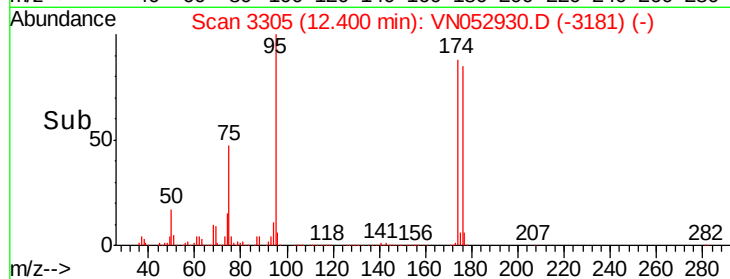
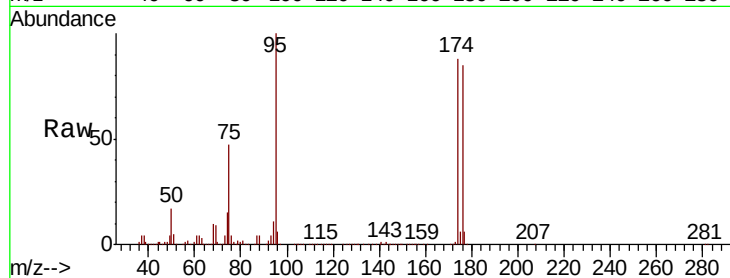
Tot Ion: 75 Resp: 372241

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

