

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052410.D
 Acq On : 20 Nov 2018 16:25
 Operator : MD\SY
 Sample : PB114952ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#04

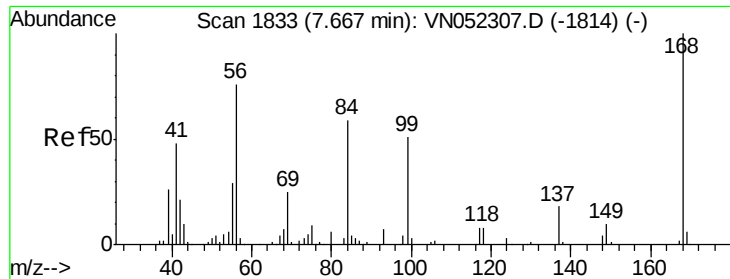
Quant Time: Nov 20 17:38:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	286658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	483727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	407802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133040	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	214211	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	161387	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.09	98	617689	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	174283	43.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5727	5.14	ug/l #	89
18) Methyl Acetate	4.33	43	1111	0.78	ug/l #	57
20) Methylene Chloride	4.56	84	10436	2.41	ug/l	93
25) 2-Butanone	6.84	43	443	0.28	ug/l #	52
29) Tetrahydrofuran	7.22	42	327	0.32	ug/l #	40
31) Cyclohexane	7.67	56	9101	0.43	ug/l #	19
36) 1,1-Dichloropropene	7.67	75	28424	5.86	ug/l #	50
38) Carbon Tetrachloride	7.67	117	31103	6.98	ug/l #	15
41) Methacrylonitrile	7.15	41	32	3.71	ug/l #	100
43) Isopropyl Acetate	8.17	43	19687	2.90	ug/l #	95
45) 1,2-Dichloropropane	9.27	63	942	0.24	ug/l #	44
48) Methyl methacrylate	9.18	41	5737	1.67	ug/l #	16
51) 4-Methyl-2-Pentanone	10.03	43	5553	1.62	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	30456	5.67	ug/l #	77
57) 1,3-Dichloropropane	10.76	76	6001	1.13	ug/l #	43
59) 2-Hexanone	10.76	43	111936	47.61	ug/l #	54
74) N-amyl acetate	11.88	43	12798	3.36	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	101209	44.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	101209	145.41	ug/l #	5
95) Naphthalene	15.12	128	30	2.61	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

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Acq: 20 Nov 2018 16:25

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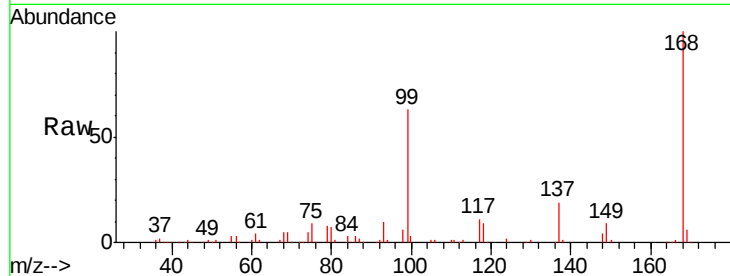
PB114952ZHE#04

Tgt Ion:168 Resp: 286658

Ion Ratio Lower Upper

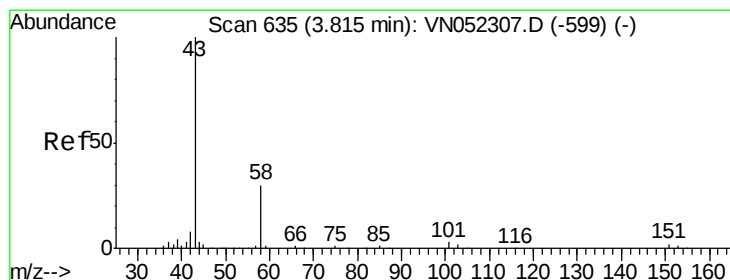
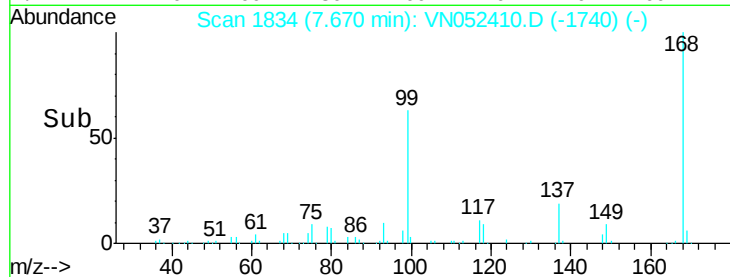
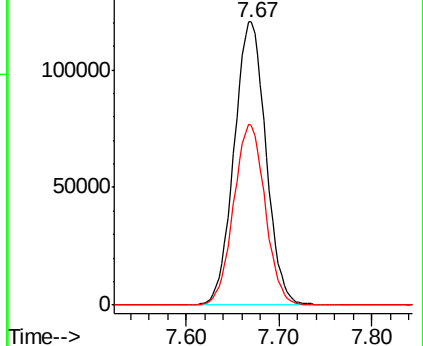
168 100

99 63.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052410.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052410.D (-1740) (-)



#16

Acetone

Concen: 5.14 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052410.D

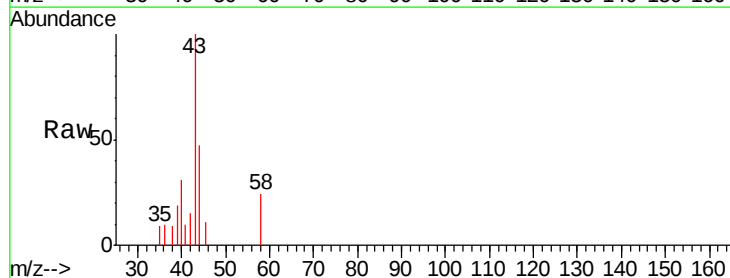
Acq: 20 Nov 2018 16:25

Tgt Ion: 43 Resp: 5727

Ion Ratio Lower Upper

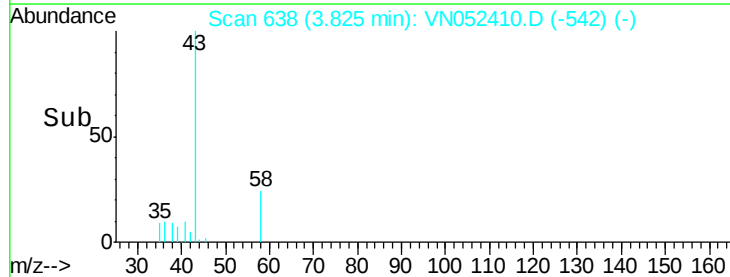
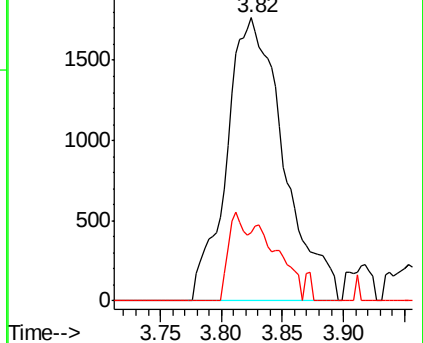
43 100

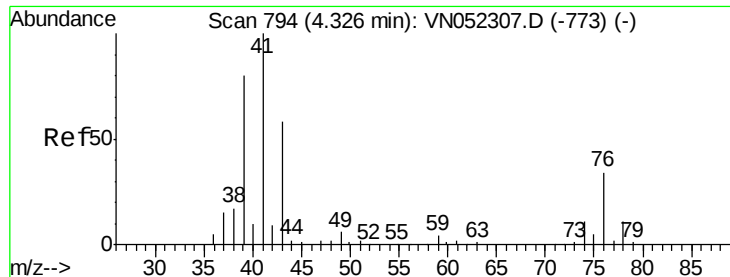
58 24.1 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052410.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052410.D (-542) (-)

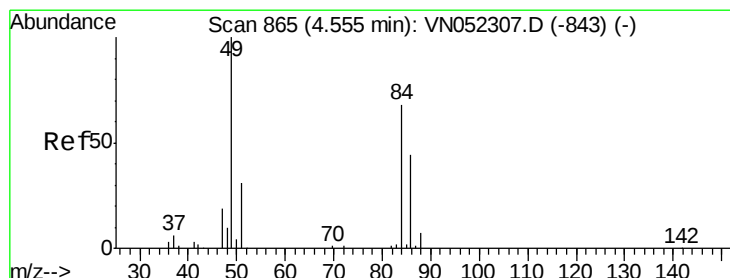
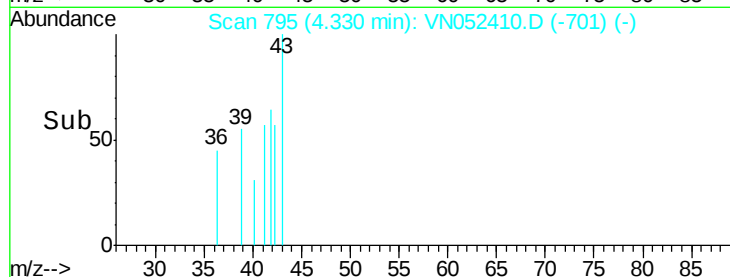
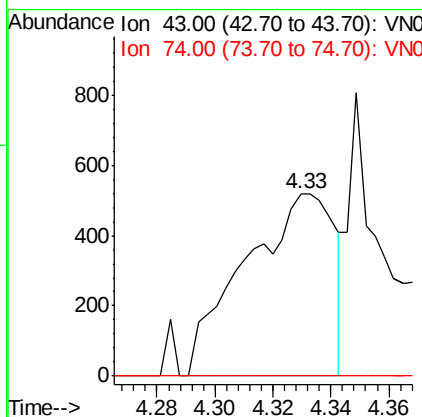
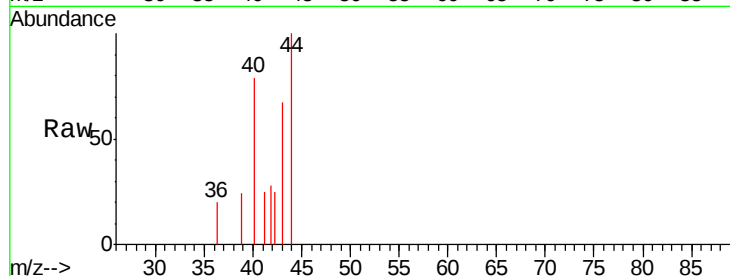




#18
Methyl Acetate
Concen: 0.78 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

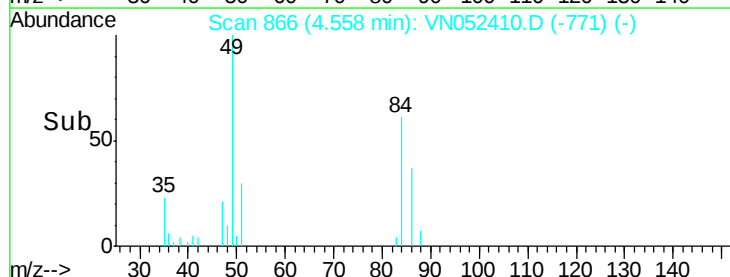
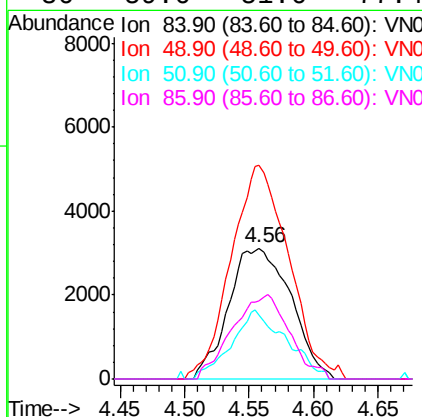
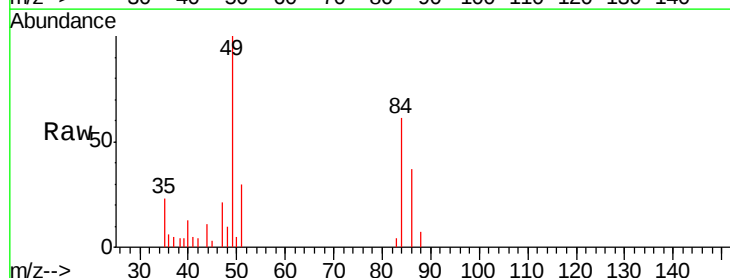
Instrument :
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PB114952ZHE#04

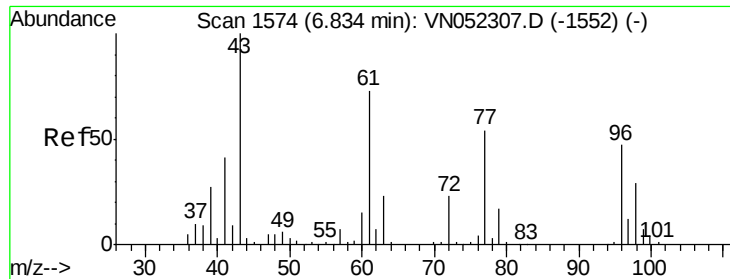
Tgt Ion: 43 Resp: 1111
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#



#20
Methylene Chloride
Concen: 2.41 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

Tgt Ion: 84 Resp: 10436
Ion Ratio Lower Upper
84 100
49 158.0 118.2 177.2
51 49.2 36.1 54.1
86 59.6 51.6 77.4

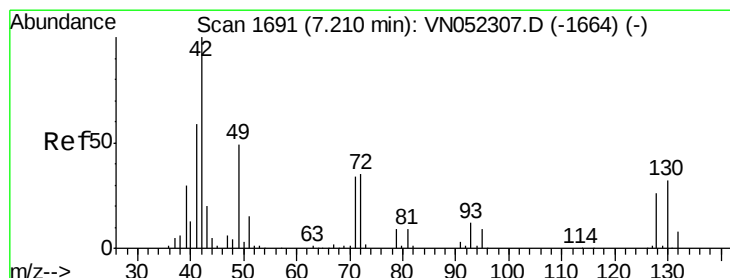
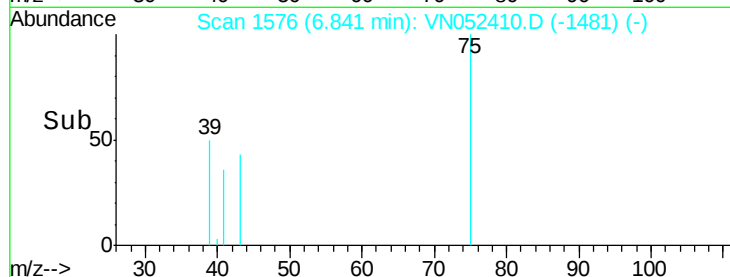
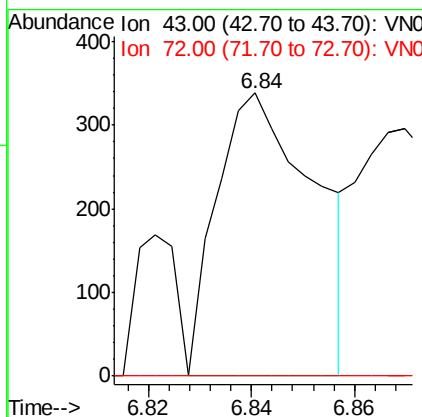
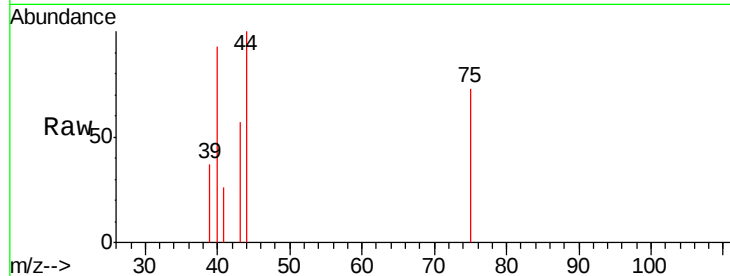




#25
2-Butanone
Concen: 0.28 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

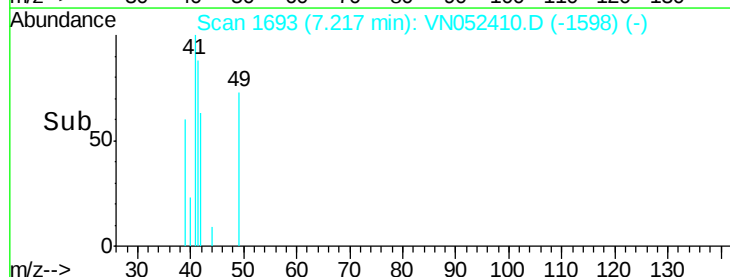
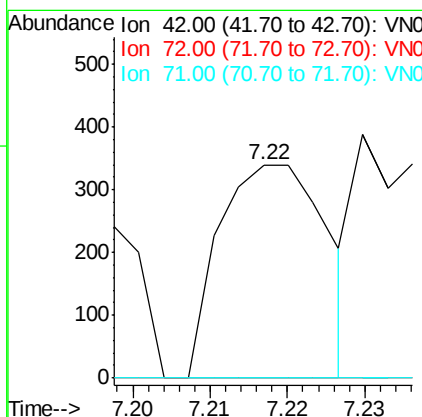
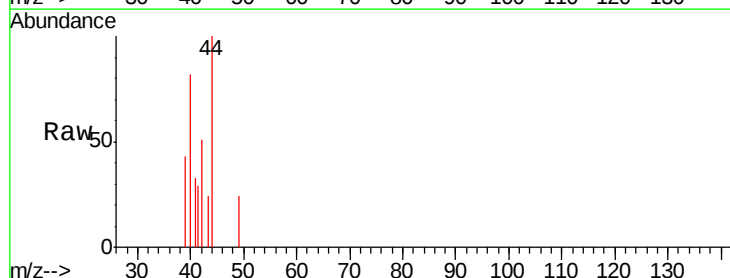
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#04

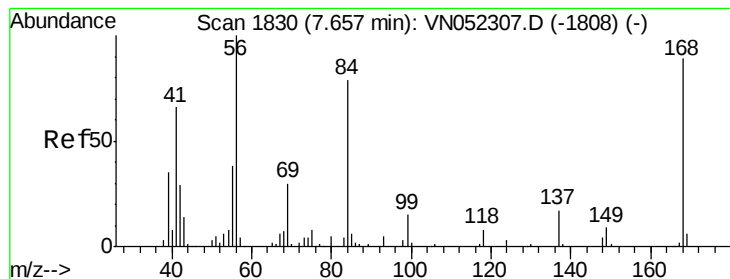
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#





#31

Cyclohexane

Concen: 0.43 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#04

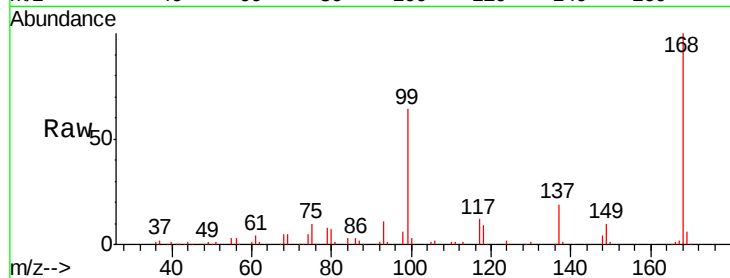
Tgt Ion: 56 Resp: 9101

Ion Ratio Lower Upper

56 100

69 158.4 23.8 35.8#

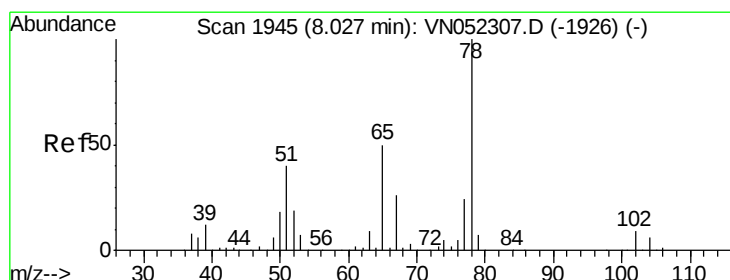
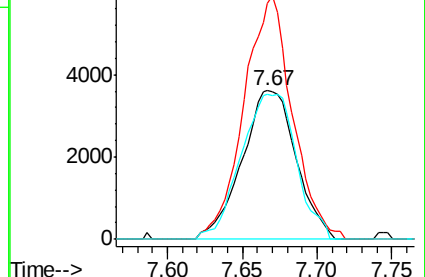
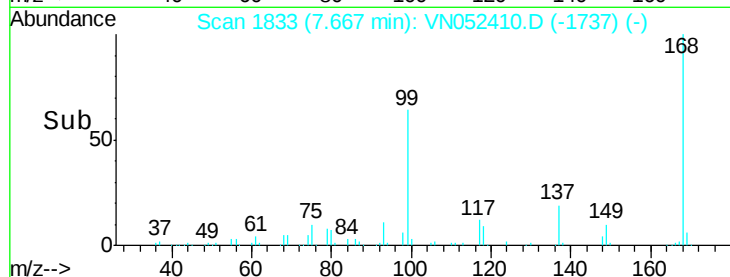
84 97.4 63.0 94.6#



Abundance Ion 56.00 (55.70 to 56.70): VN052410.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052410.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052410.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052410.D

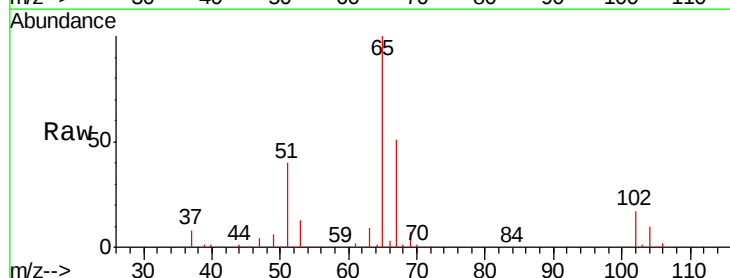
Acq: 20 Nov 2018 16:25

Tgt Ion: 65 Resp: 214211

Ion Ratio Lower Upper

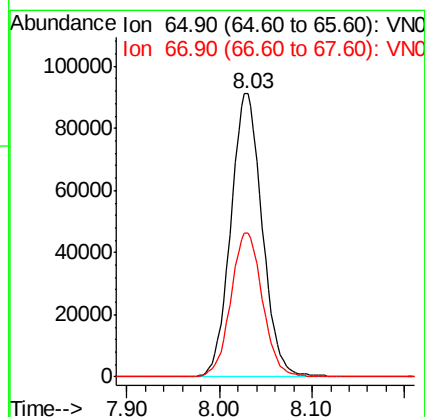
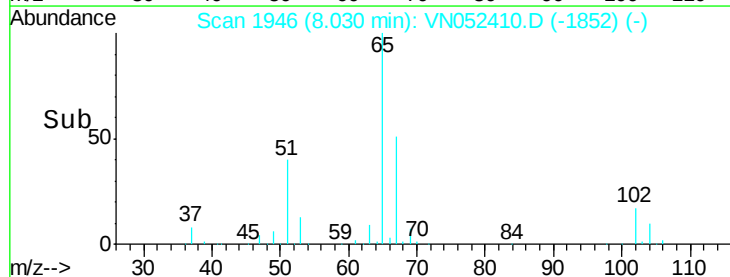
65 100

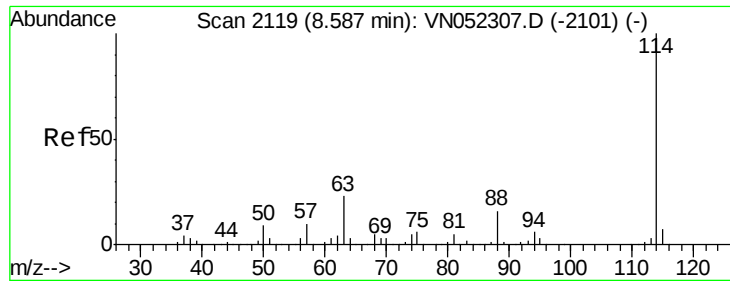
67 51.3 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052410.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052410.D (-1852) (-)

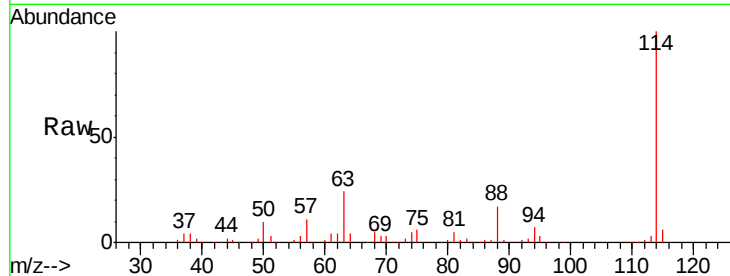




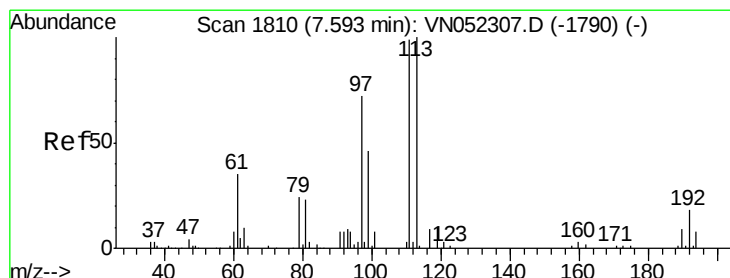
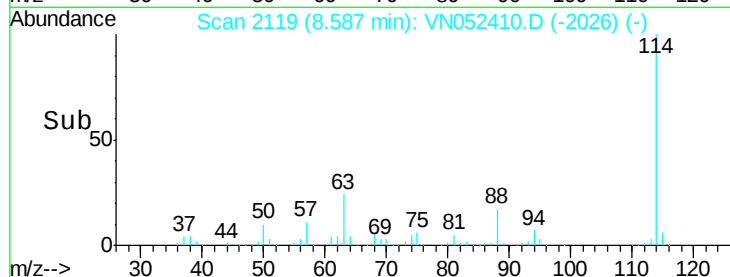
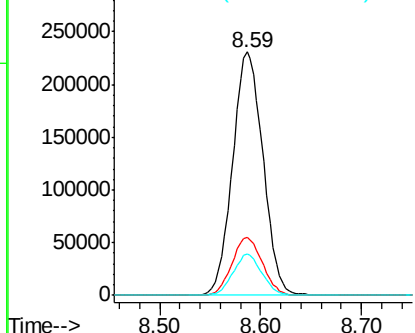
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#04

Tgt Ion:114 Resp: 483727
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.4
 88 16.9 0.0 31.2

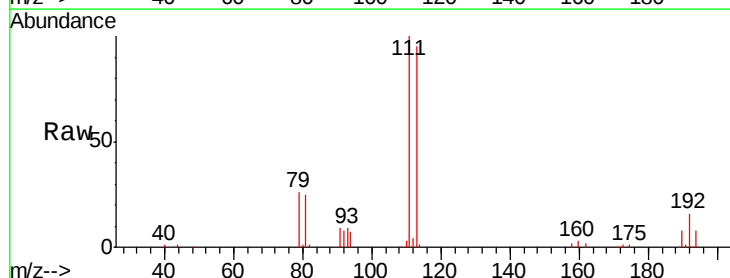


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

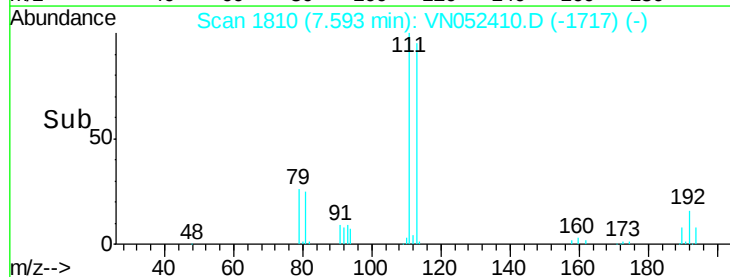
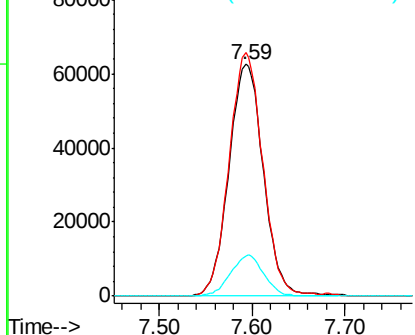


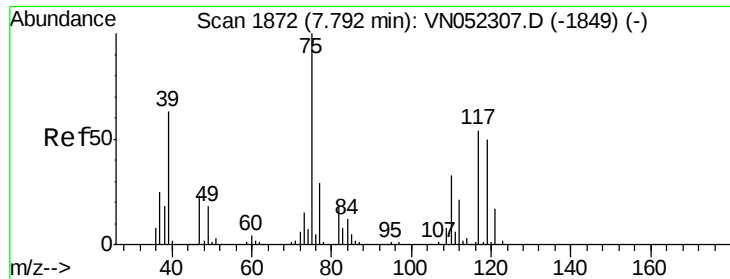
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

Tgt Ion:113 Resp: 161387
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.6
 192 16.9 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

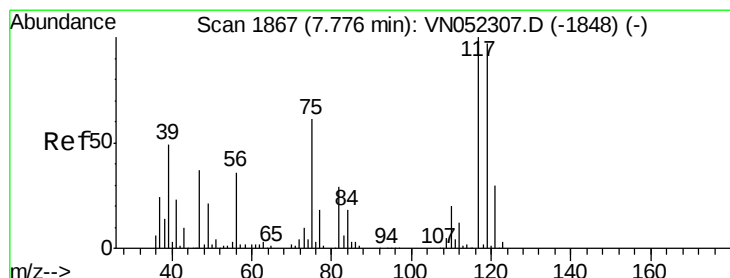
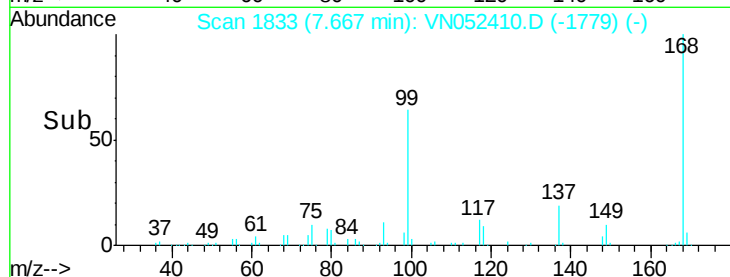
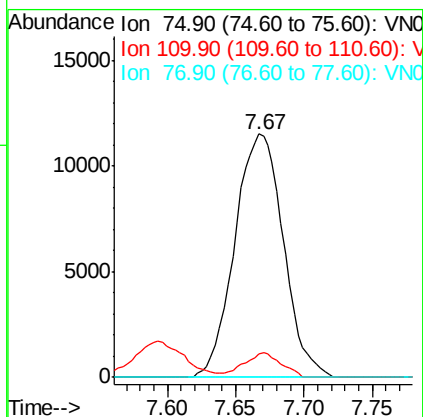
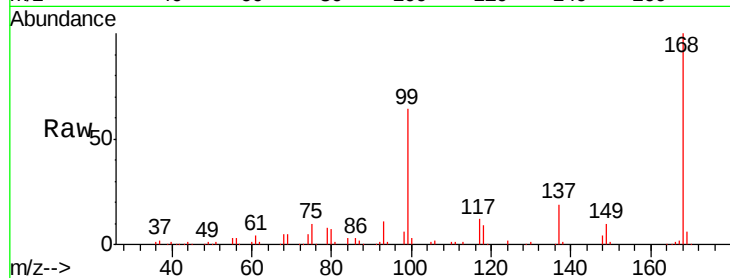




#36
 1,1-Dichloropropene
 Concen: 5.86 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

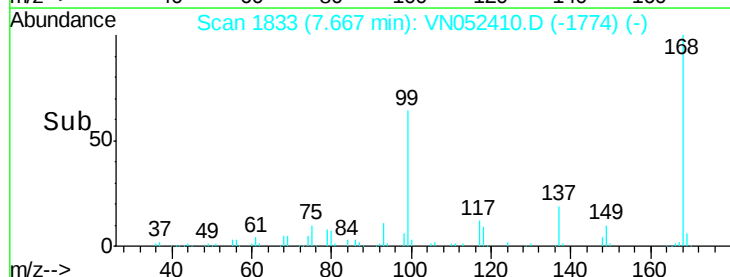
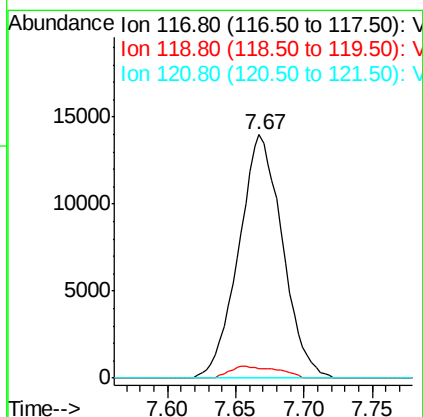
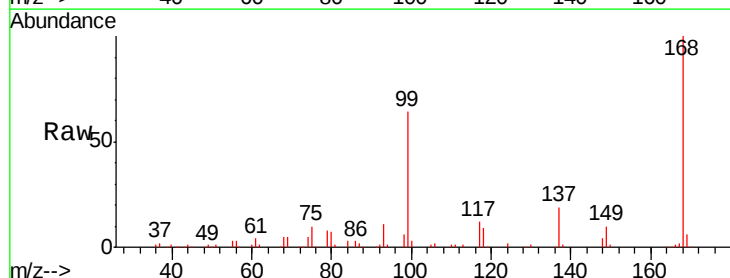
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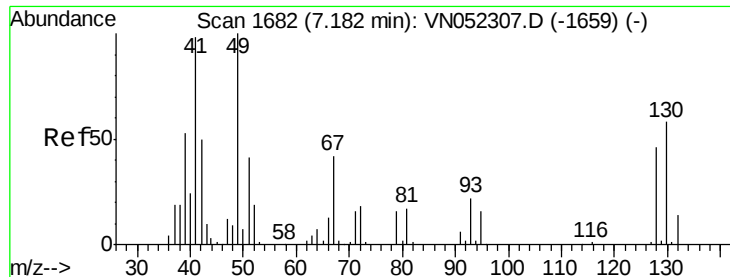
Tgt Ion: 75 Resp: 28424
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.5 49.5#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.98 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

Tgt Ion: 117 Resp: 31103
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.4 116.0#
 121 0.0 24.0 36.0#

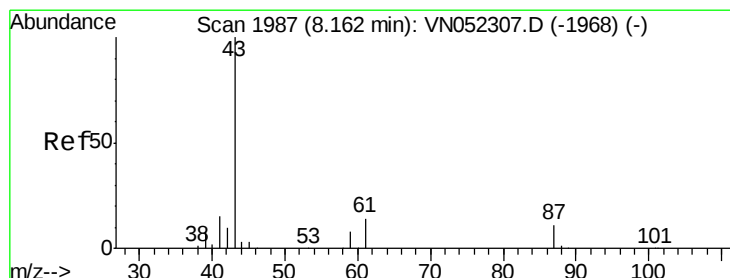
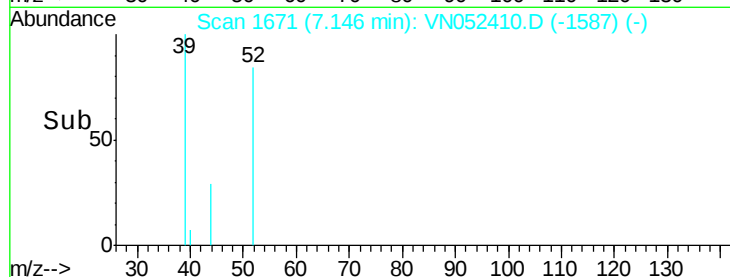
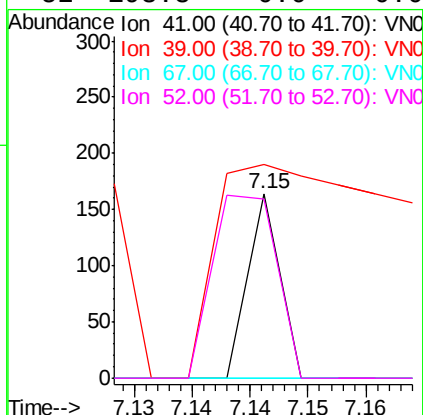
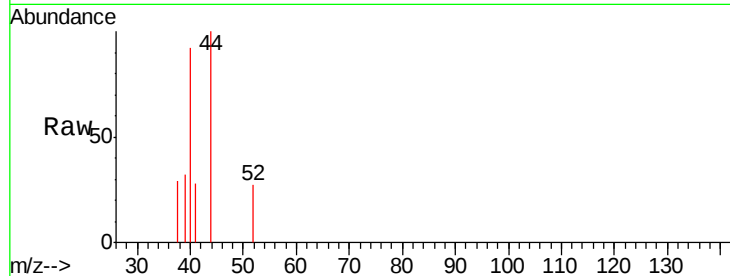




#41
Methacrylonitrile
Concen: 3.71 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.03 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

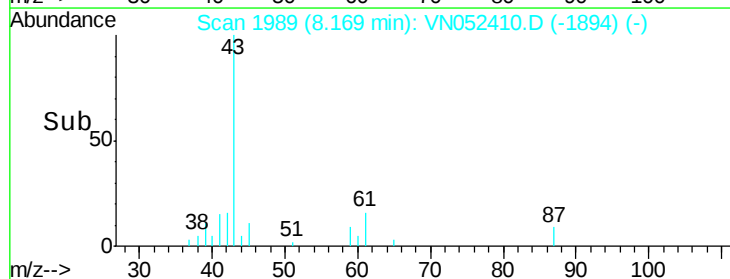
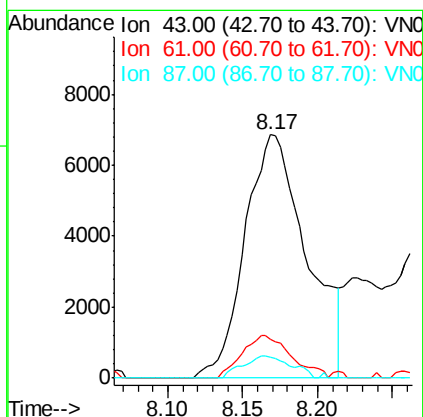
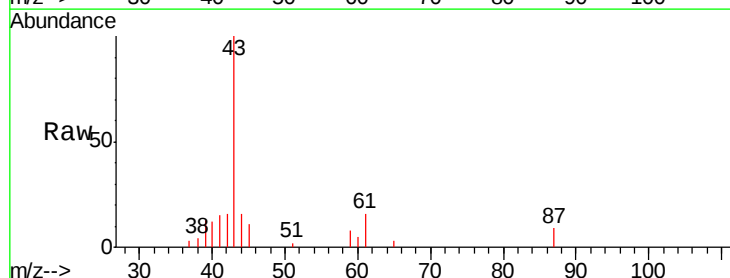
Instrument :
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ClientSampleId :
PB114952ZHE#04

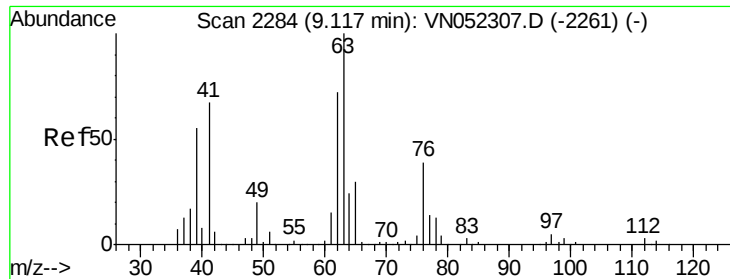
Tgt Ion:	41	Resp:	32
Ion	Ratio	Lower	Upper
41	100		
39	628.1	0.0	0.0#
67	0.0	0.0	0.0
52	193.8	0.0	0.0#



#43
Isopropyl Acetate
Concen: 2.90 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

Tgt Ion:	43	Resp:	19687
Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
87	7.2	8.3	12.5#

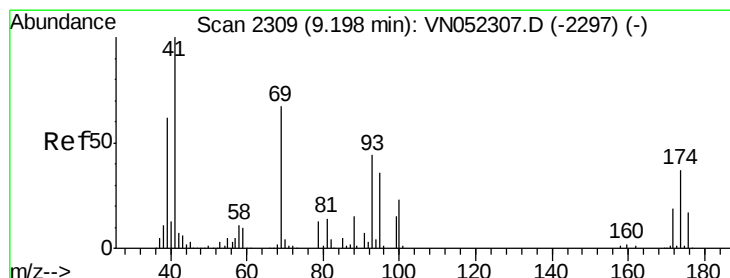
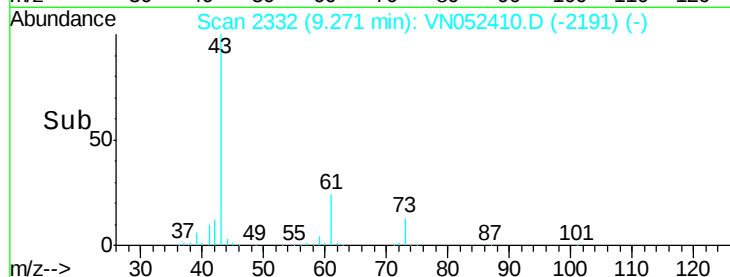
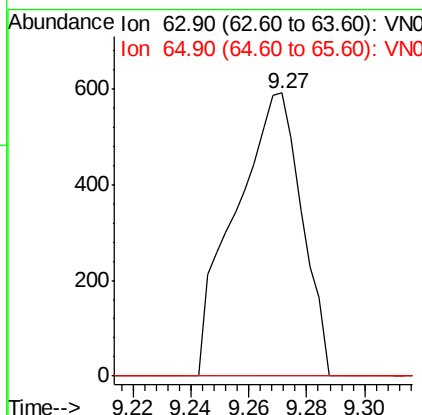
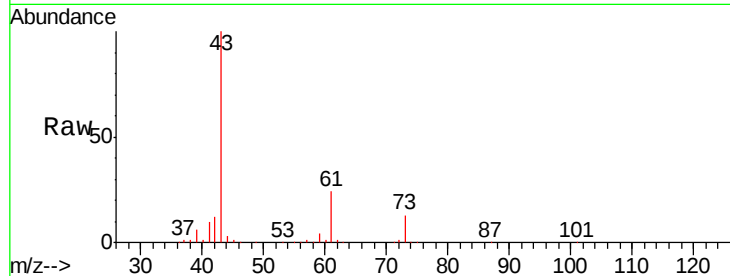




#45
 1,2-Dichloropropane
 Concen: 0.24 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

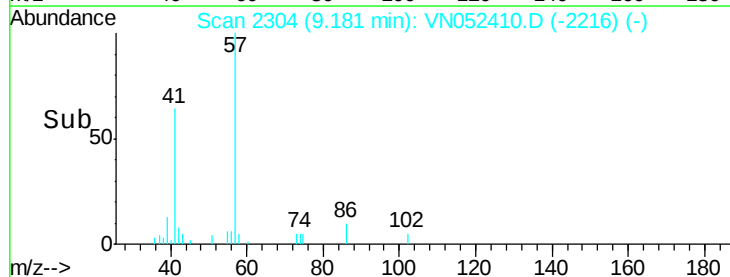
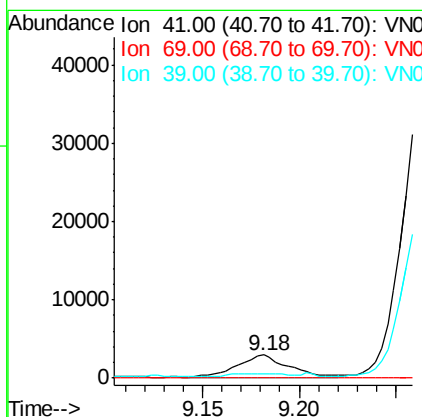
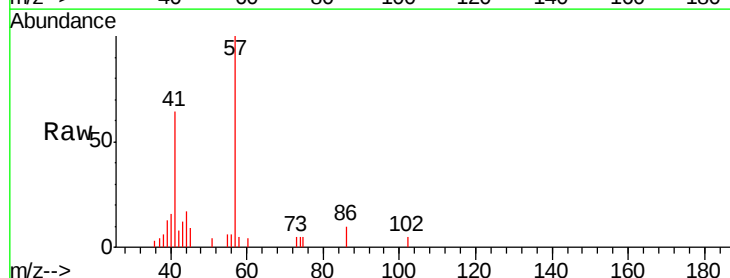
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114952ZHE#04

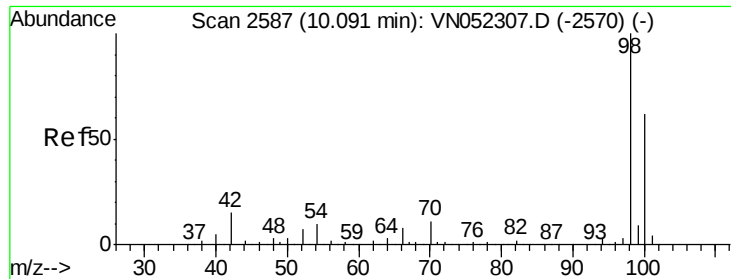
Tgt Ion: 63 Resp: 942
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.67 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052410.D
 Acq: 20 Nov 2018 16:25

Tgt Ion: 41 Resp: 5737
 Ion Ratio Lower Upper
 41 100
 69 0.0 57.1 85.7#
 39 0.0 52.5 78.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

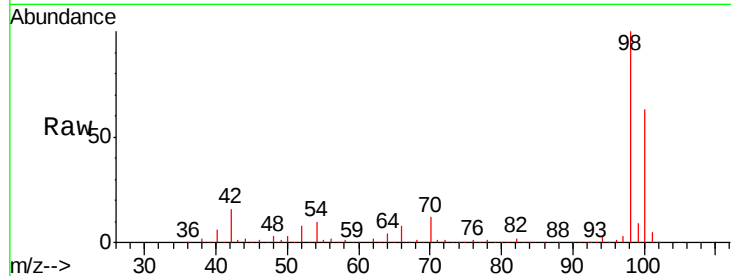
PB114952ZHE#04

Tgt Ion: 98 Resp: 617689

Ion Ratio Lower Upper

98 100

100 61.6 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

300000

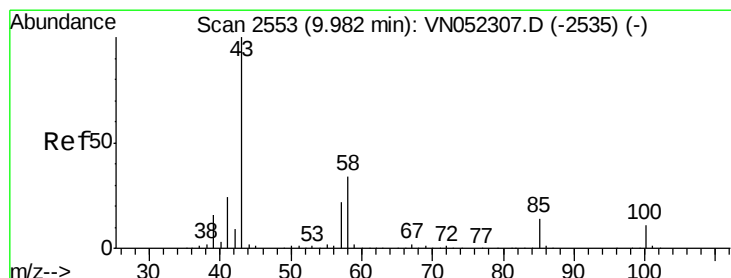
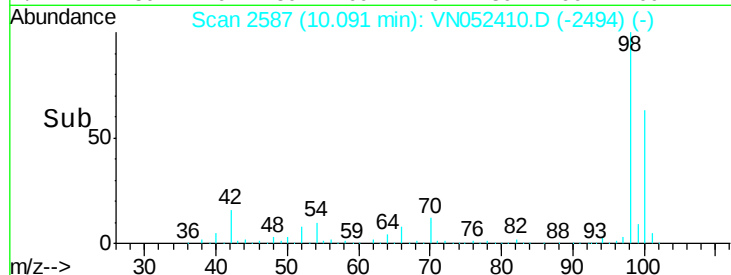
200000

100000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 1.62 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN052410.D

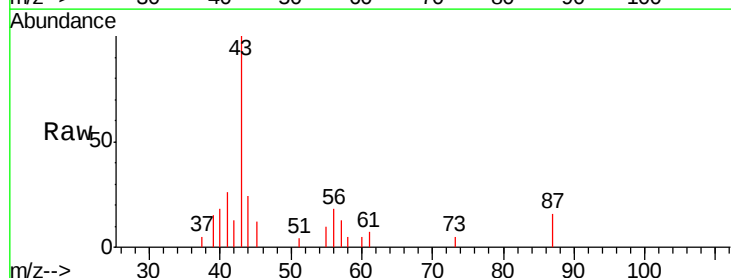
Acq: 20 Nov 2018 16:25

Tgt Ion: 43 Resp: 5553

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.03

4000

3000

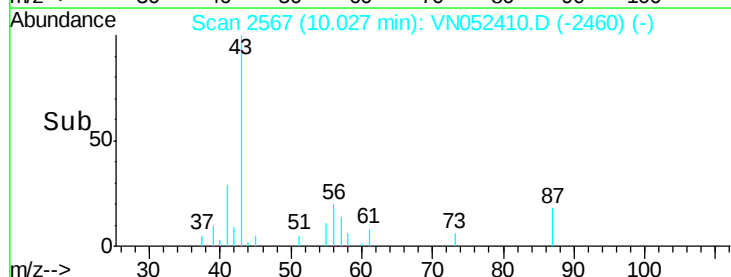
2000

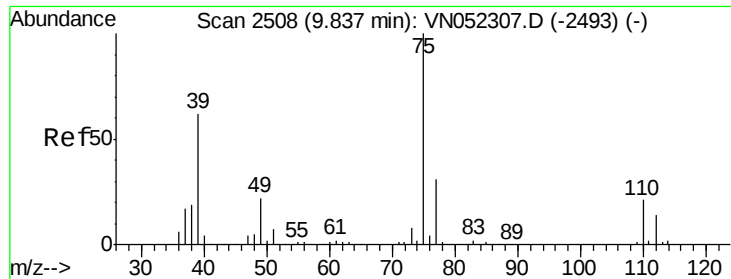
1000

0

Time-->

10.00 10.05





#54

cis-1,3-Dichloropropene

Concen: 5.67 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#04

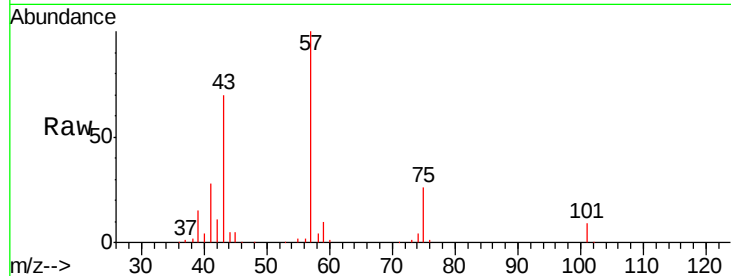
Tgt Ion: 75 Resp: 30456

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

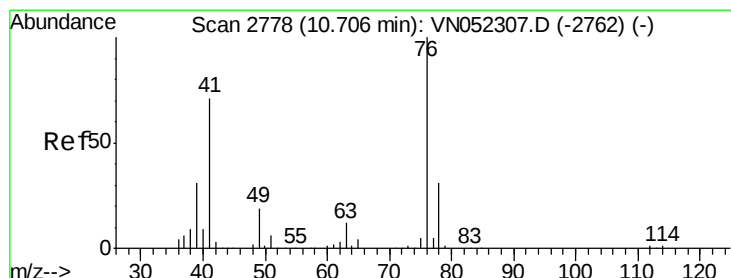
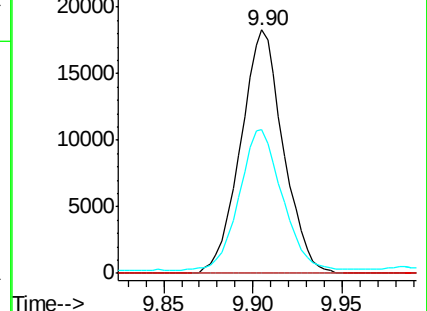
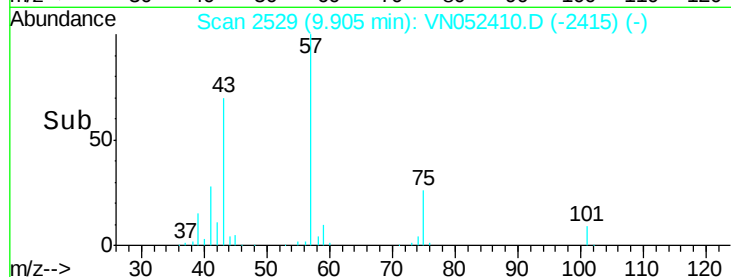
39 57.4 49.9 74.9



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: 1.13 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052410.D

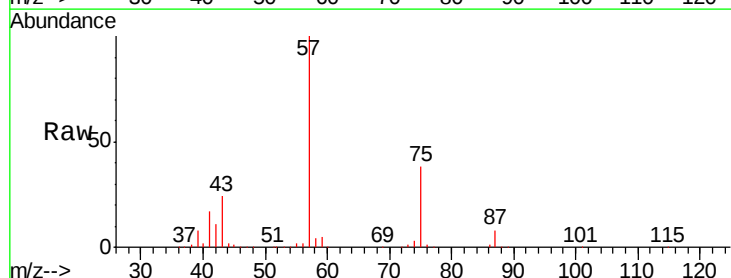
Acq: 20 Nov 2018 16:25

Tgt Ion: 76 Resp: 6001

Ion Ratio Lower Upper

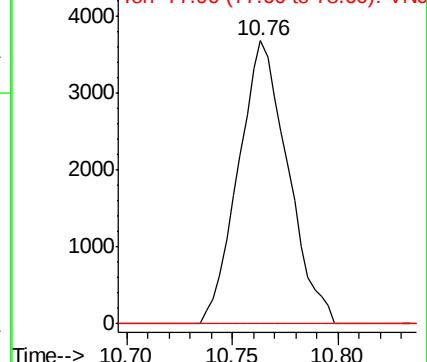
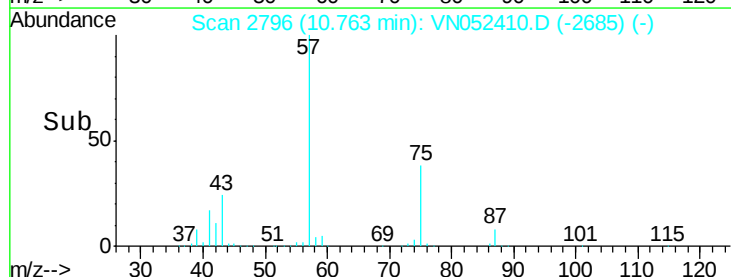
76 100

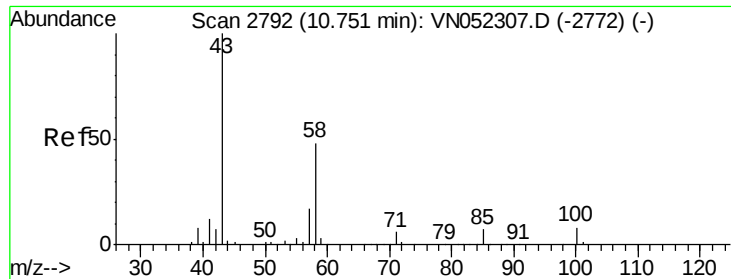
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

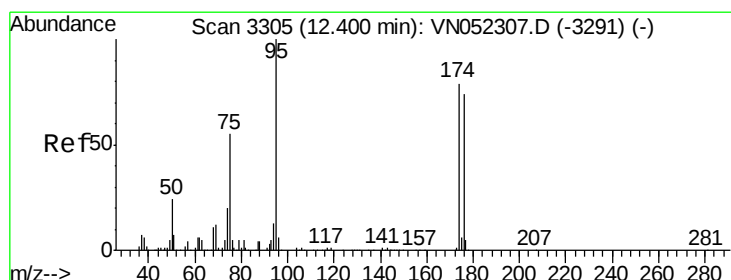
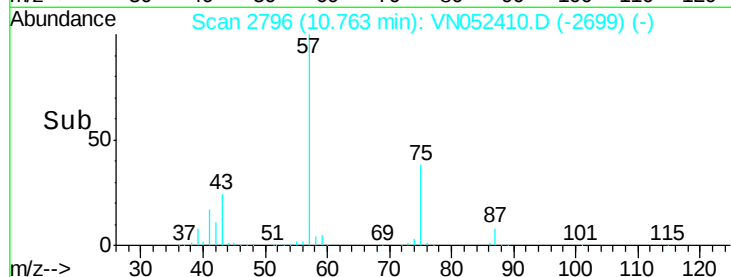
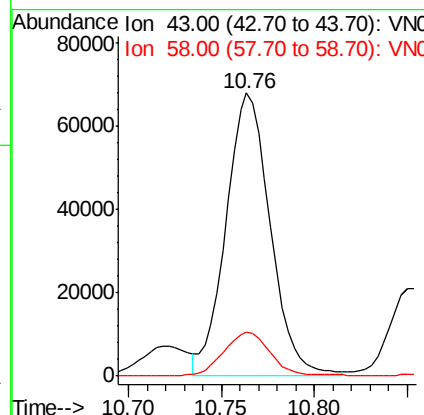
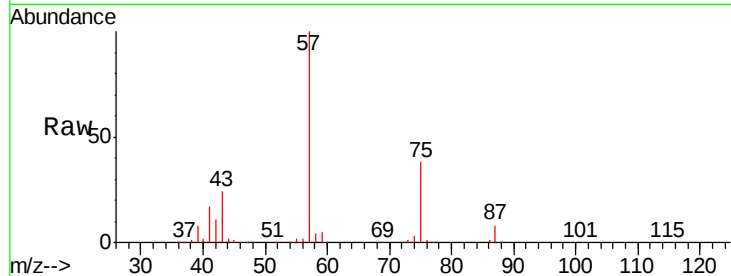




#59
2-Hexanone
Concen: 47.61 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

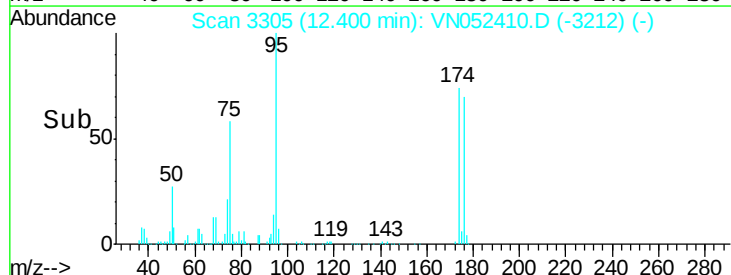
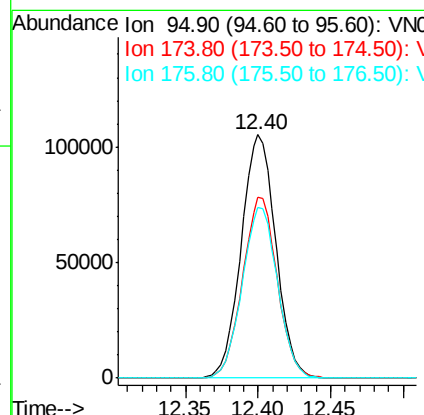
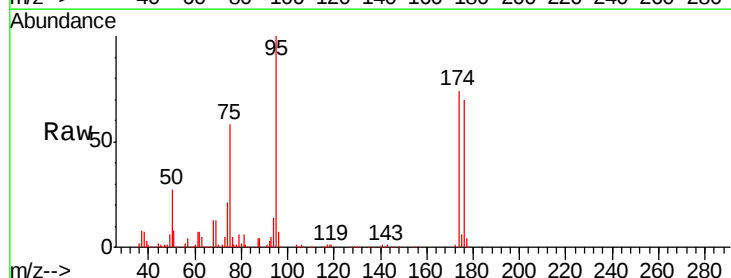
Instrument :
MSVOA_N
ClientSampleId :
PB114952ZHE#04

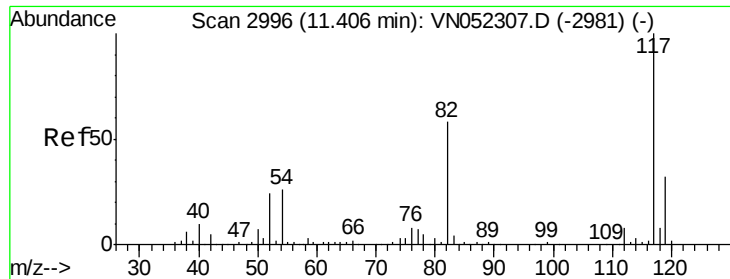
Tgt Ion: 43 Resp: 111936
Ion Ratio Lower Upper
43 100
58 16.4 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052410.D
Acq: 20 Nov 2018 16:25

Tgt Ion: 95 Resp: 174283
Ion Ratio Lower Upper
95 100
174 74.5 0.0 156.0
176 71.7 0.0 148.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#04

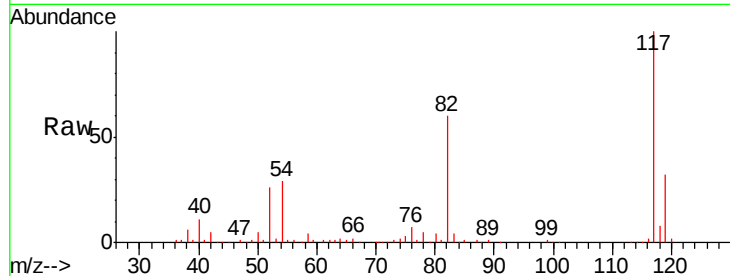
Tgt Ion:117 Resp: 407802

Ion Ratio Lower Upper

117 100

82 59.8 46.5 69.7

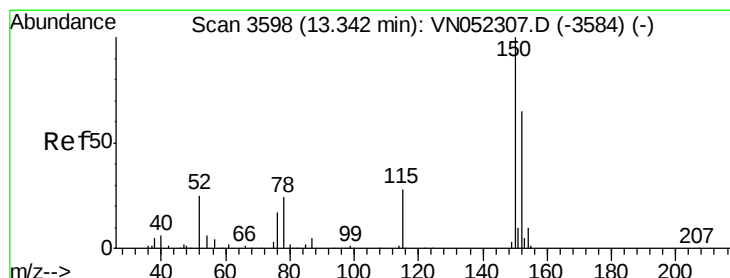
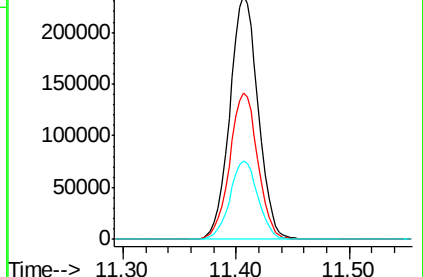
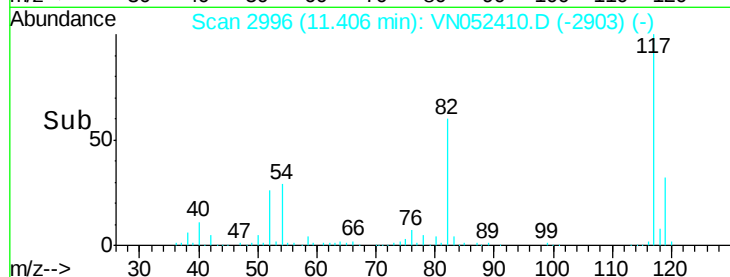
119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

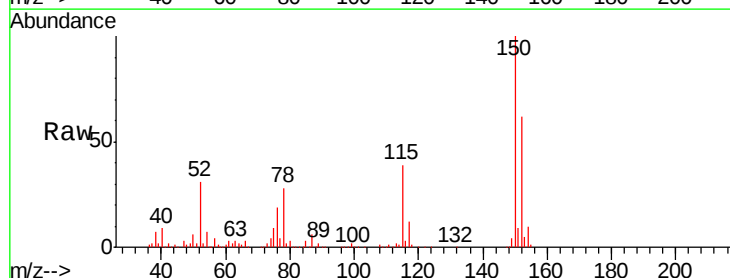
Tgt Ion:152 Resp: 133040

Ion Ratio Lower Upper

152 100

115 61.5 30.3 91.0

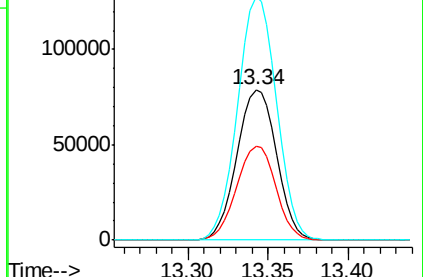
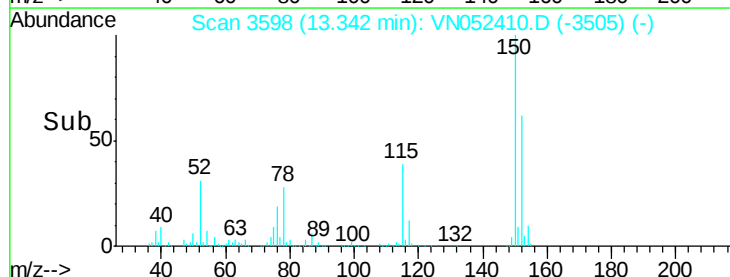
150 159.2 0.0 348.2

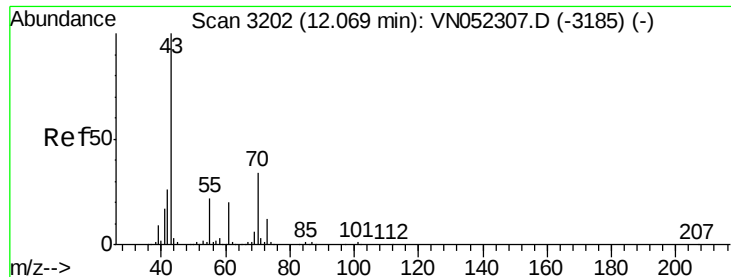


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 3.36 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#04

Tgt Ion: 43 Resp: 12798

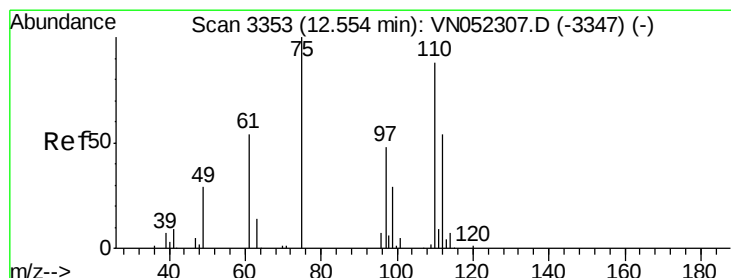
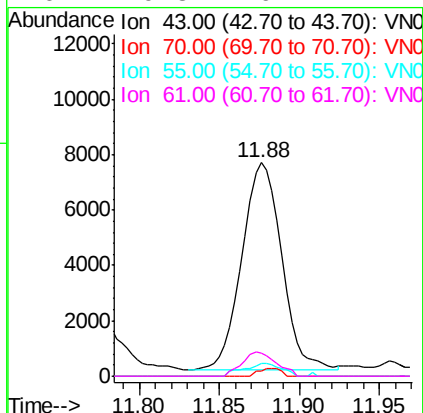
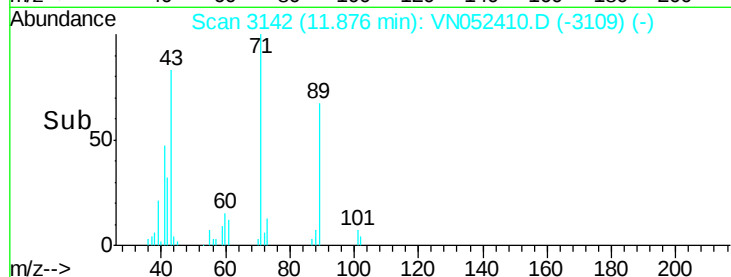
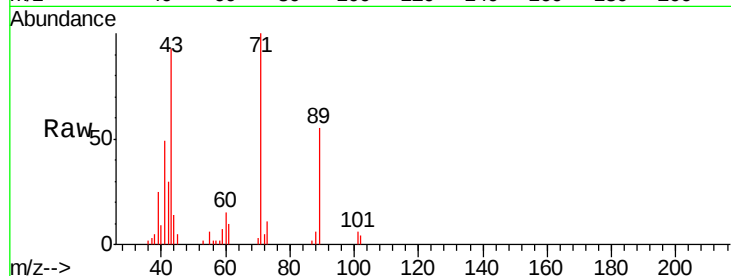
Ion Ratio Lower Upper

43 100

70 2.0 27.1 40.7#

55 5.8 17.4 26.0#

61 9.8 16.1 24.1#



#76

1,2,3-Trichloropropane

Concen: 44.83 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052410.D

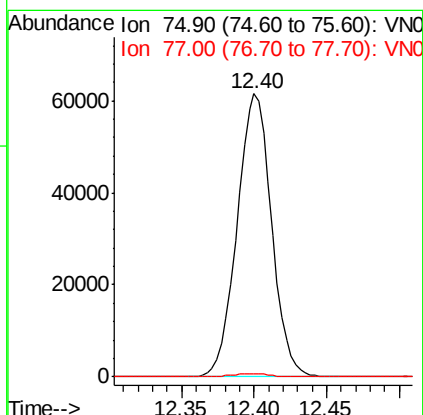
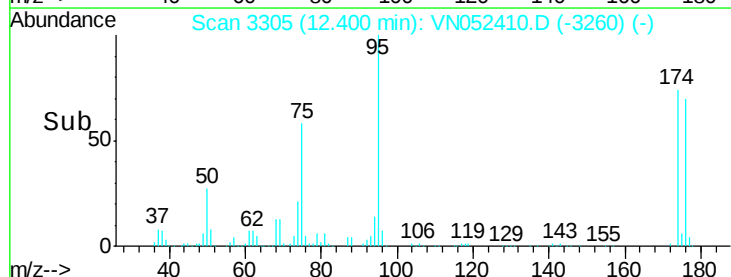
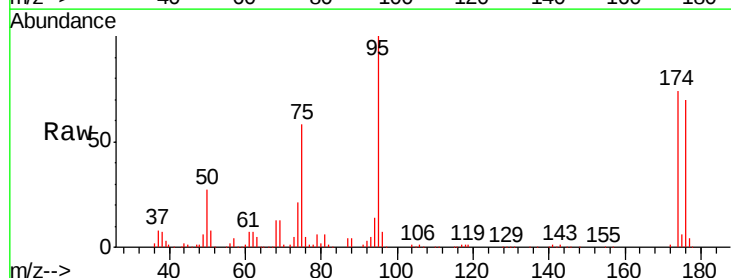
Acq: 20 Nov 2018 16:25

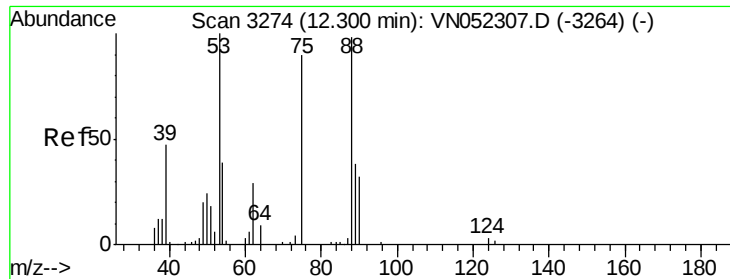
Tgt Ion: 75 Resp: 101209

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 145.41 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

Instrument :

MSVOA_N

ClientSampleId :

PB114952ZHE#04

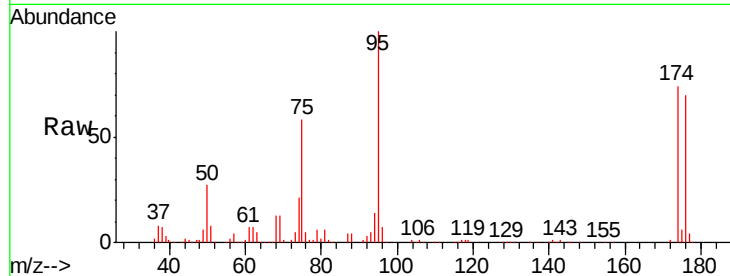
Tgt Ion: 75 Resp: 101209

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

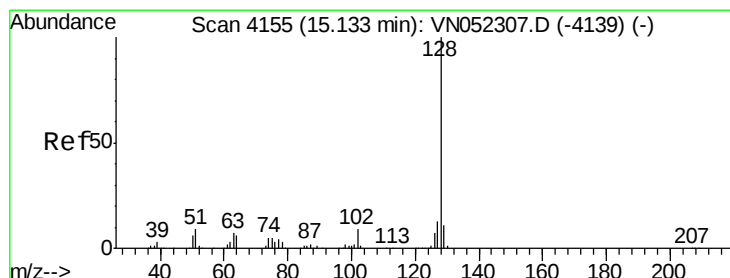
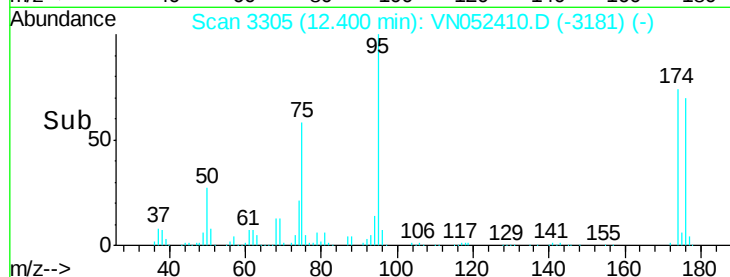
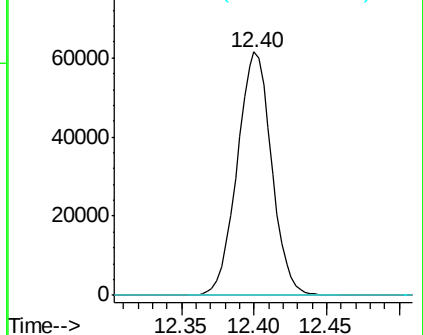
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052410.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052410.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052410.D (-3181) (-)



#95

Naphthalene

Concen: 2.61 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. -0.02 min

Lab File: VN052410.D

Acq: 20 Nov 2018 16:25

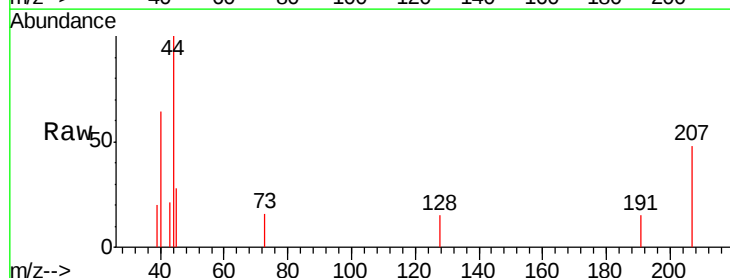
Tgt Ion: 128 Resp: 30

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN052410.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN052410.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN052410.D (-4062) (-)

