

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053266.D
 Acq On : 3 Jan 2019 16:57
 Operator : MD\SY
 Sample : PB116111ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#11

Quant Time: Jan 04 00:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

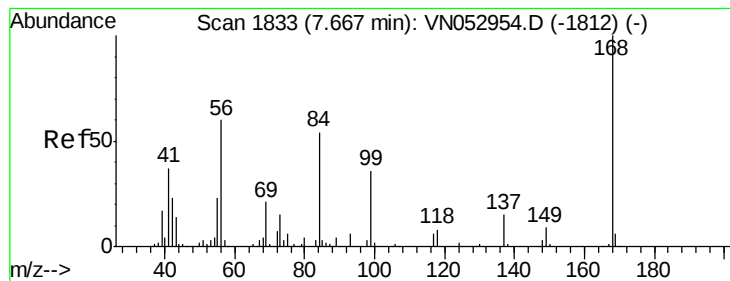
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1162544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1812155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1560602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	538453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	581486	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	498748	60.25	ug/l	0.00
Spiked Amount			Recovery	=	120.50%	
50) Toluene-d8	10.09	98	2187332	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.40	95	664127	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	31984	13.827	ug/l	100
18) Methyl Acetate	4.33	43	8681	1.802	ug/l #	90
20) Methylene Chloride	4.55	84	25007	1.982	ug/l	97
25) 2-Butanone	6.83	43	1240	0.319	ug/l #	89
29) Tetrahydrofuran	7.21	42	1048	0.361	ug/l #	61
31) Cyclohexane	7.67	56	18057	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	77423	4.451	ug/l #	49
38) Carbon Tetrachloride	7.67	117	99941	6.269	ug/l #	16
41) Methacrylonitrile	7.22	41	1303	0.232	ug/l #	34
43) Isopropyl Acetate	8.17	43	57887	2.080	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	3168	0.235	ug/l #	44
48) Methyl methacrylate	9.18	41	14427	1.531	ug/l #	12
49) 1,4-Dioxane	9.27	88	252	2.114	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	18913	2.011	ug/l #	35
54) cis-1,3-Dichloropropene	9.91	75	126020	6.257	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	24322	1.268	ug/l #	42
59) 2-Hexanone	10.76	43	324453	50.998	ug/l #	51
74) N-amyl acetate	11.88	43	38476	3.290	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	309068	34.097	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16316	0.475	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	309068	109.900	ug/l #	12
95) Naphthalene	15.13	128	63	1.150	ug/l #	69

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

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ALS Vial : 19 Sample Multiplier: 28



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

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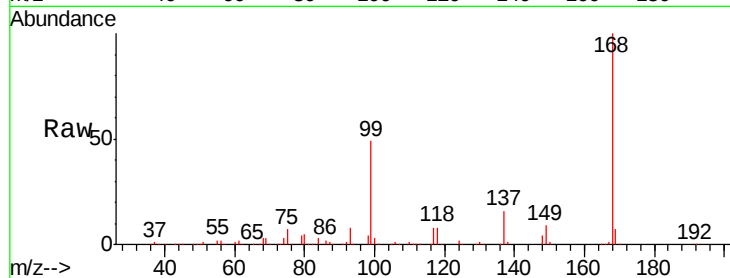
PB116111ZHE#11

Tgt Ion:168 Resp: 1162544

Ion Ratio Lower Upper

168 100

99 49.5 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

500000

400000

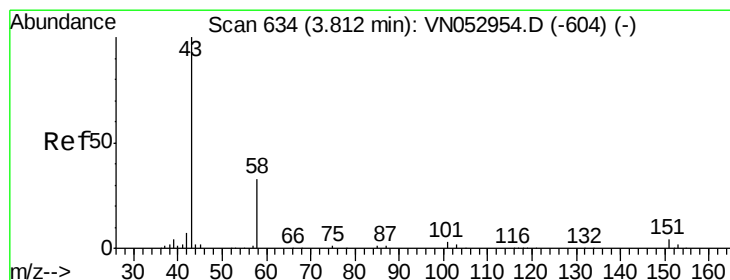
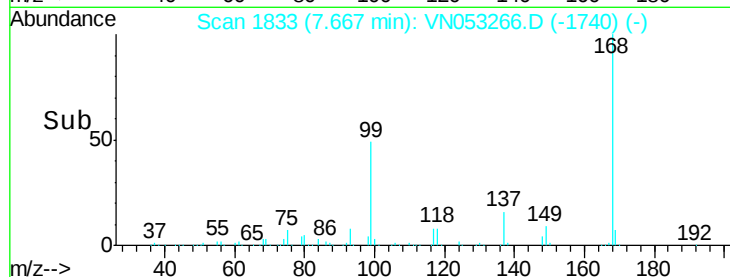
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 13.827 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053266.D

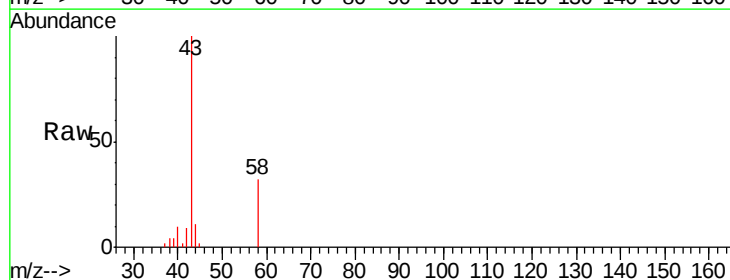
Acq: 3 Jan 2019 16:57

Tgt Ion: 43 Resp: 31984

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

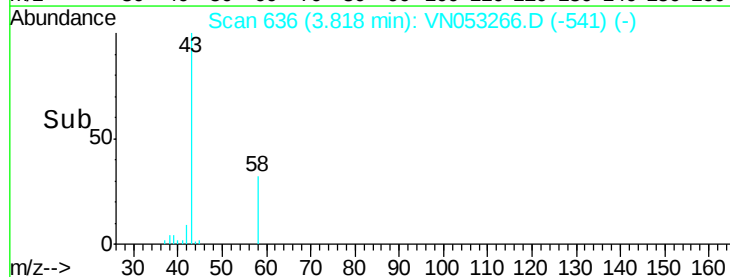
3.82

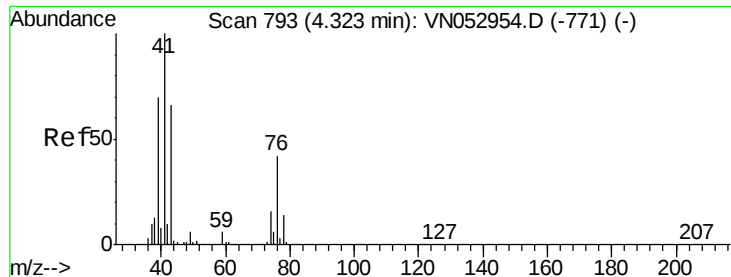
10000

5000

0

Time-->

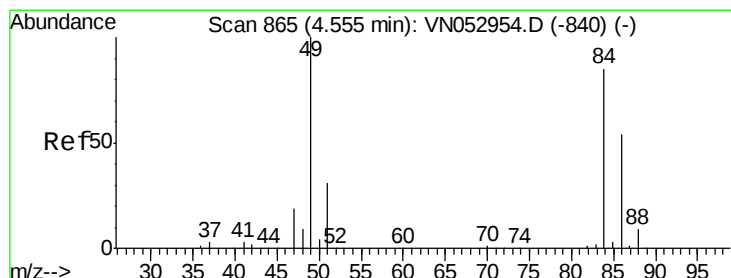
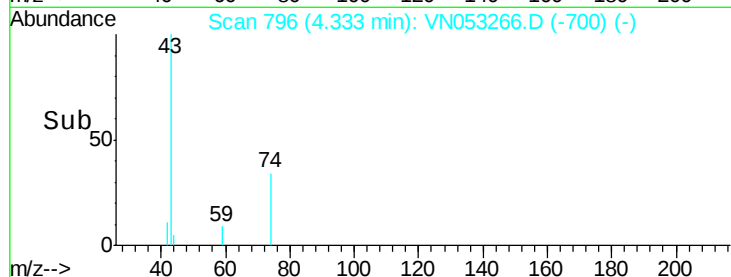
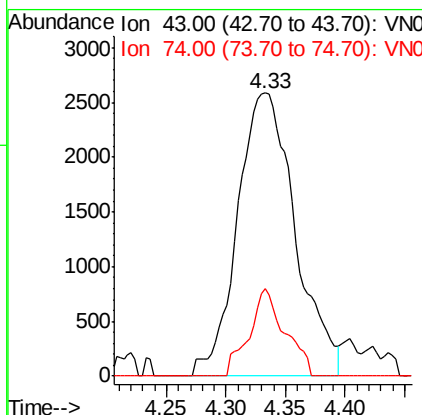
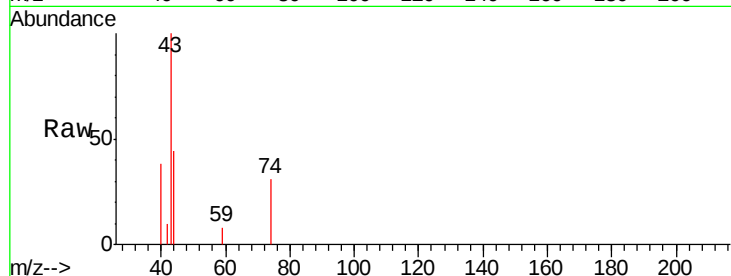




#18
Methyl Acetate
Concen: 1.802 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

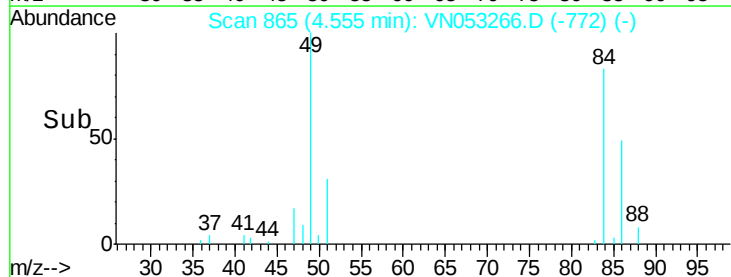
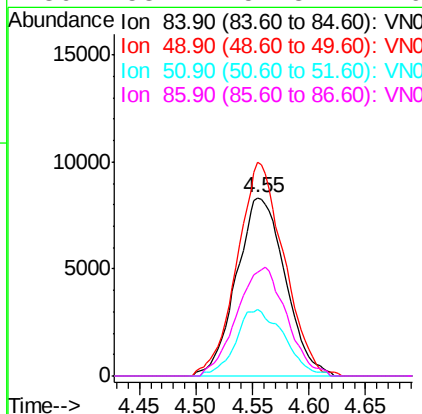
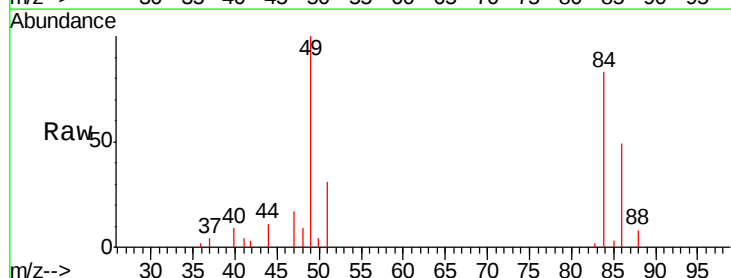
Instrument :
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ClientSampleId :
PB116111ZHE#11

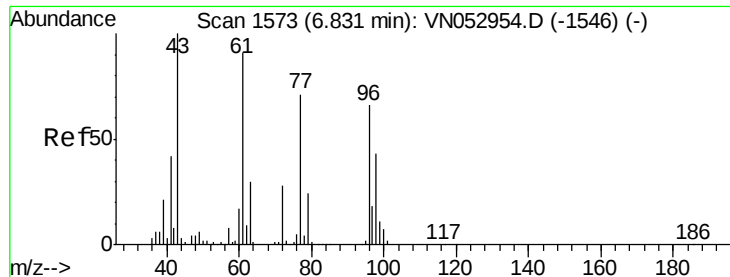
Tgt Ion: 43 Resp: 8681
Ion Ratio Lower Upper
43 100
74 19.1 19.2 28.8#



#20
Methylene Chloride
Concen: 1.982 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

Tgt Ion: 84 Resp: 25007
Ion Ratio Lower Upper
84 100
49 119.8 96.8 145.2
51 37.3 29.9 44.9
86 58.4 51.8 77.6





#25

2-Butanone

Concen: 0.319 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

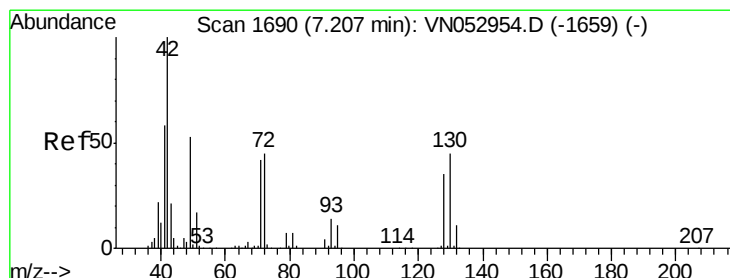
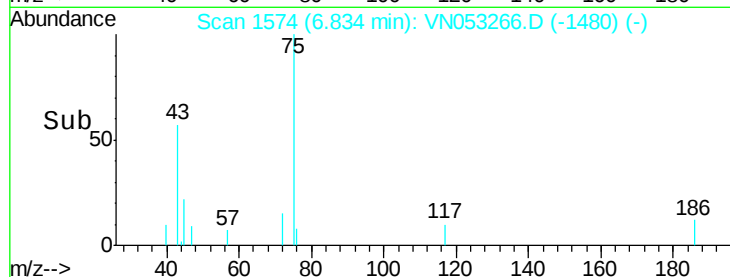
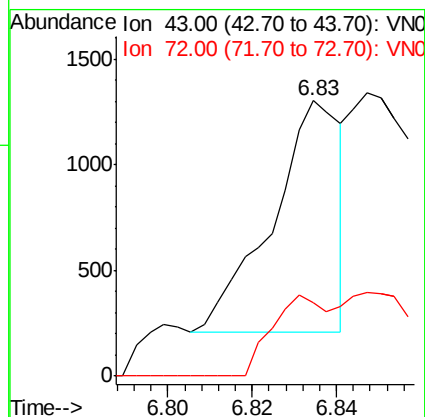
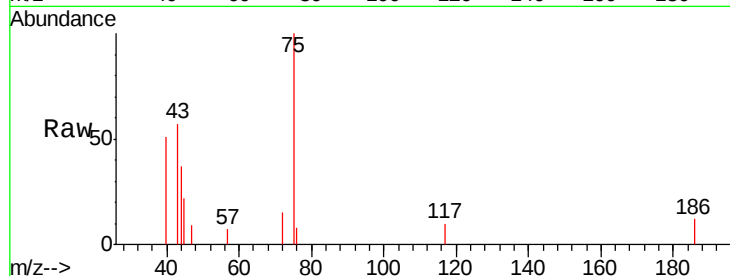
PB116111ZHE#11

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

72 31.8 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.361 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

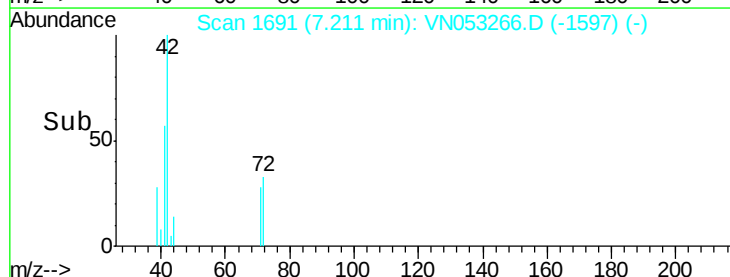
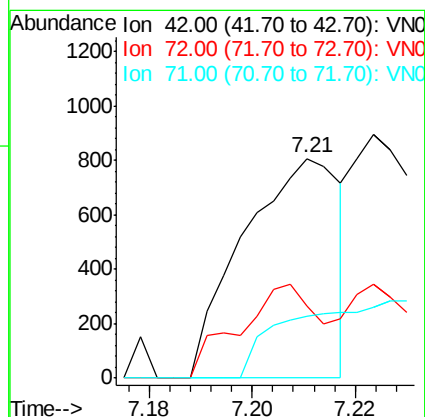
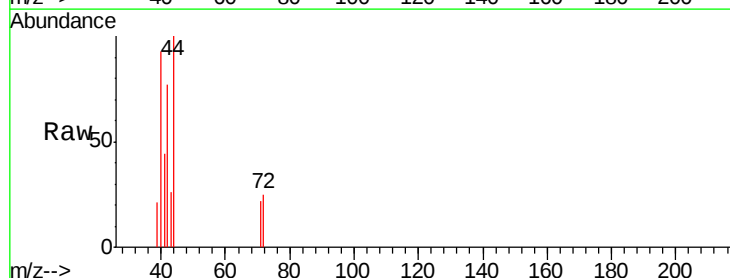
Tgt Ion: 42 Resp: 1048

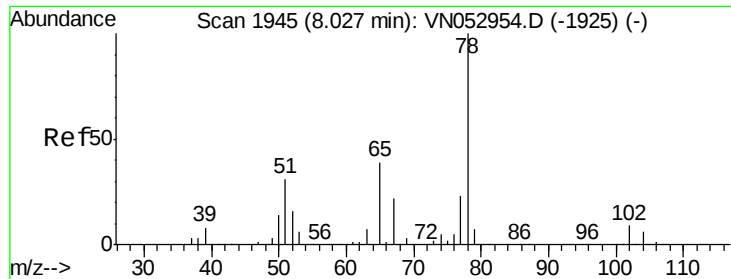
Ion Ratio Lower Upper

42 100

72 33.8 34.7 52.1#

71 0.0 32.3 48.5#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

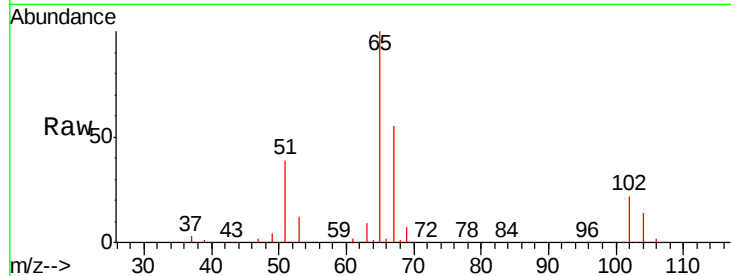
PB116111ZHE#11

Tgt Ion: 65 Resp: 581486

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN053266.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053266.D (-1852) (-)

8.03

250000

200000

150000

100000

50000

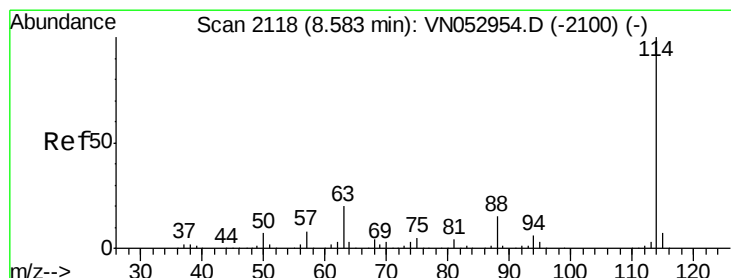
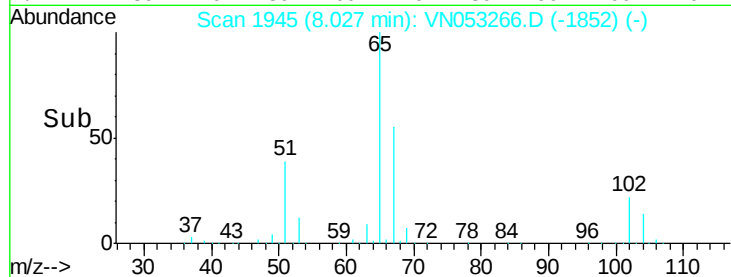
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

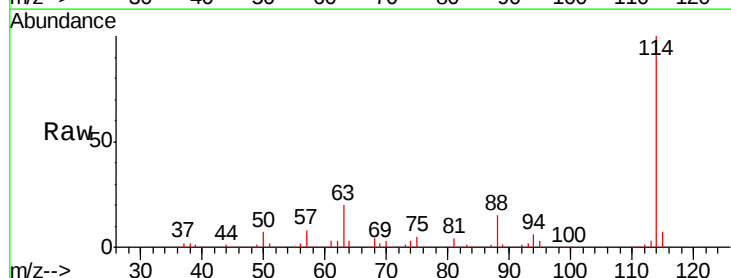
Tgt Ion: 114 Resp: 1812155

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN053266.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN053266.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN053266.D (-2025) (-)

8.59

1200000

1000000

800000

600000

400000

200000

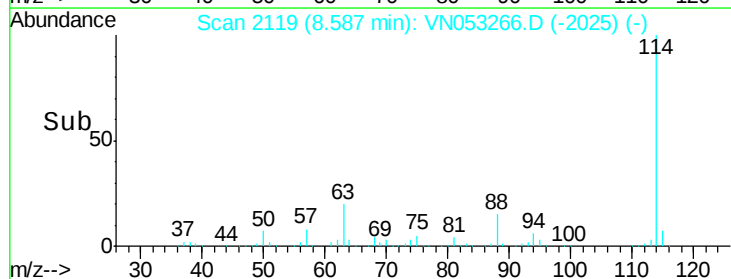
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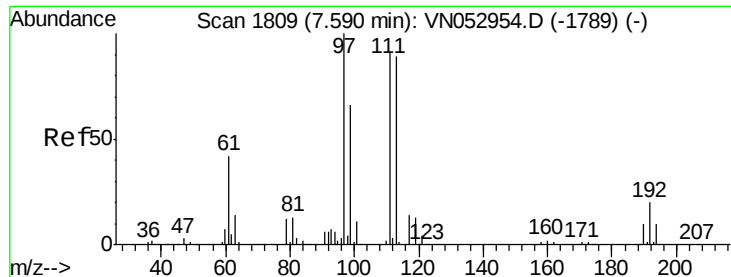
Time-->

8.50

8.60

8.70

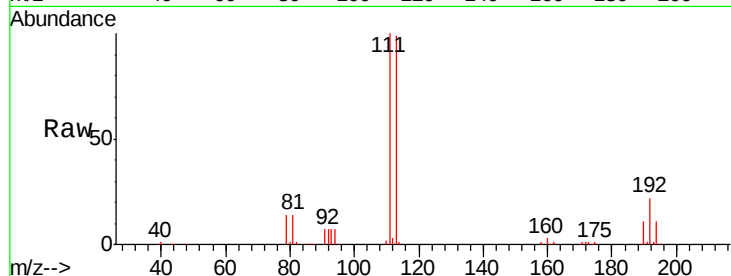




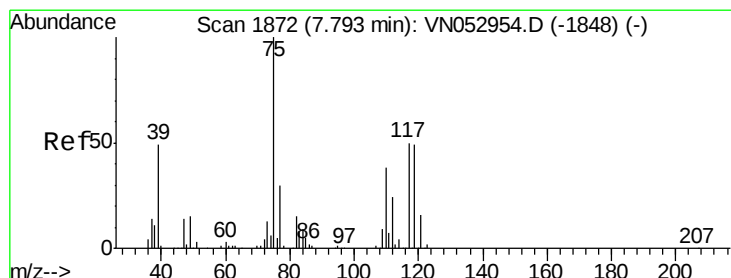
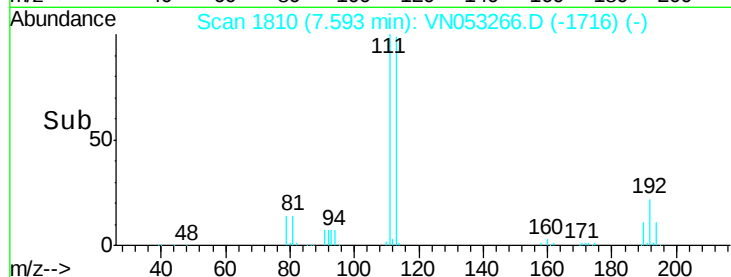
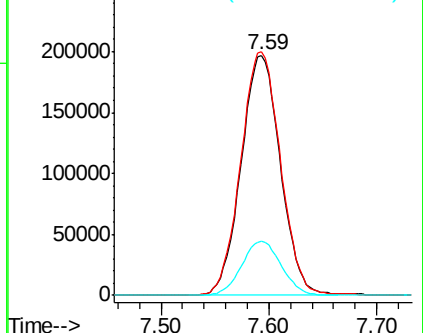
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053266.D
 Acq: 3 Jan 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#11

Tgt Ion:113 Resp: 498748
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 22.7 17.5 26.3

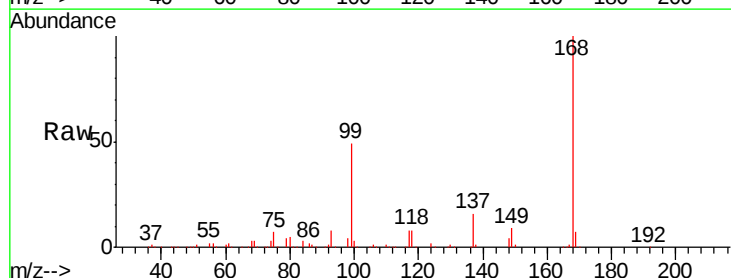


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

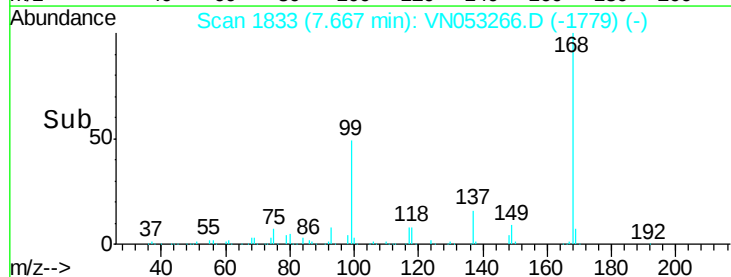
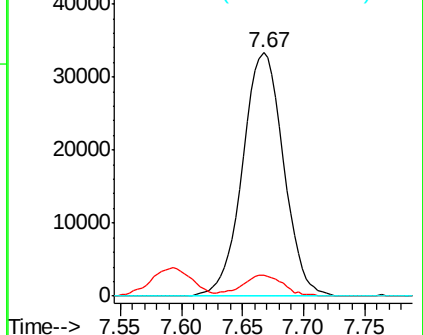


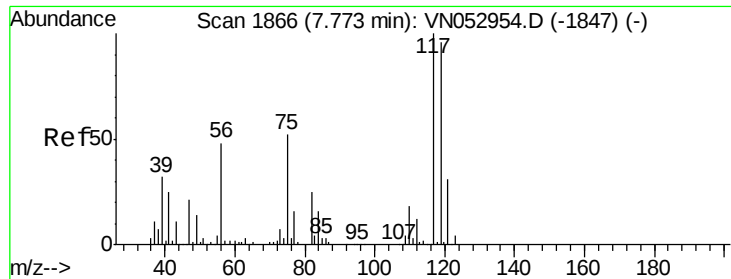
#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053266.D
 Acq: 3 Jan 2019 16:57

Tgt Ion: 75 Resp: 77423
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.2 54.6#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.269 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#11

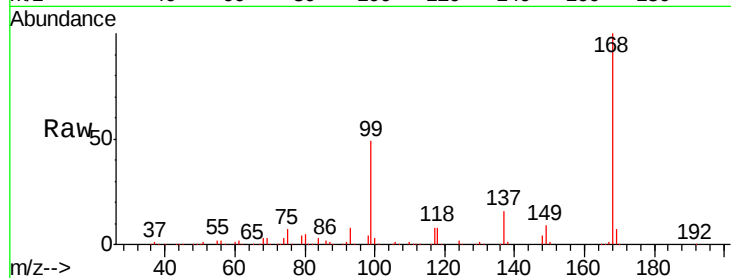
Tgt Ion:117 Resp: 99941

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

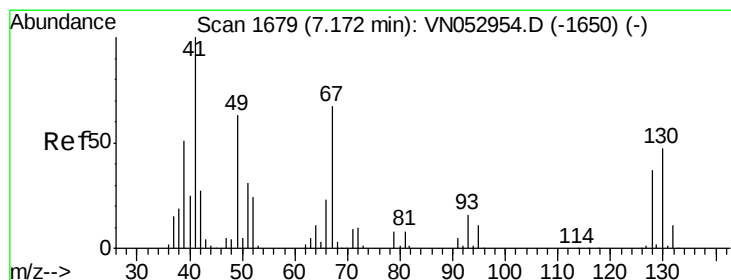
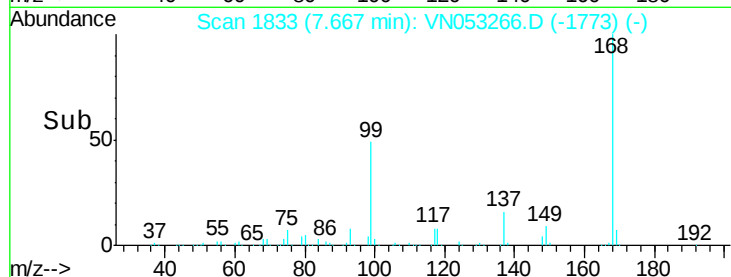
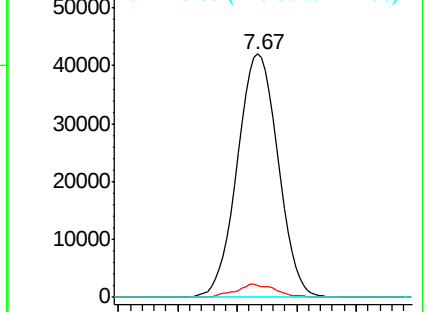
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.232 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.05 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Tgt Ion: 41 Resp: 1303

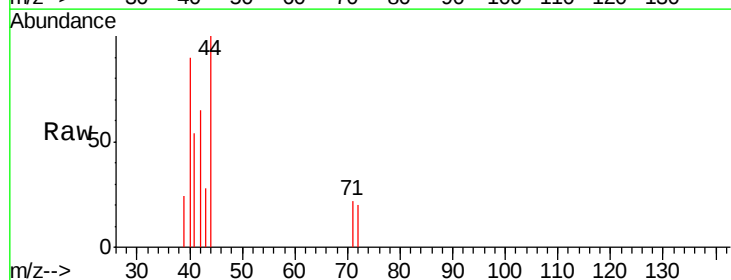
Ion Ratio Lower Upper

41 100

39 38.1 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

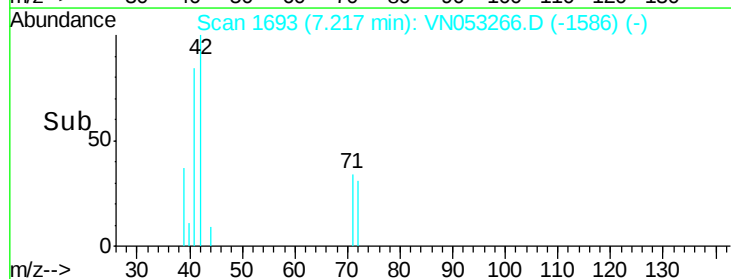
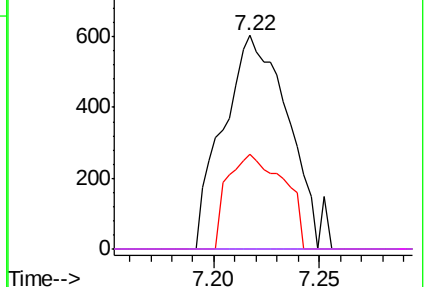


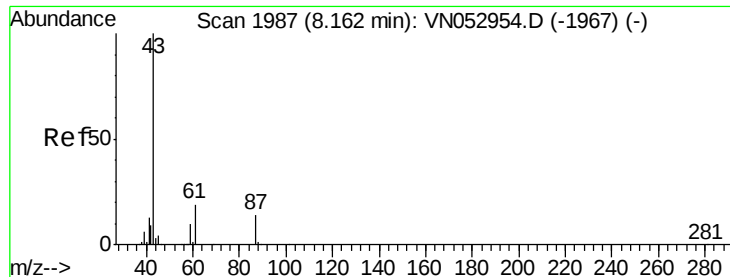
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.080 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

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ClientSampleId :

PB116111ZHE#11

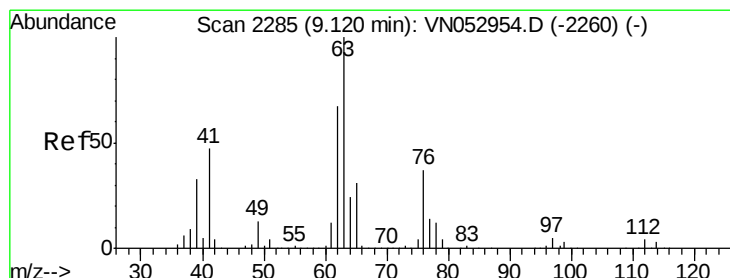
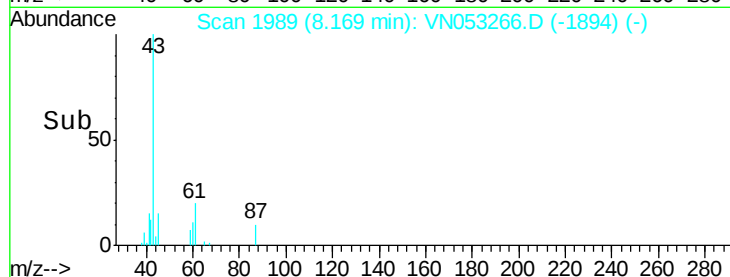
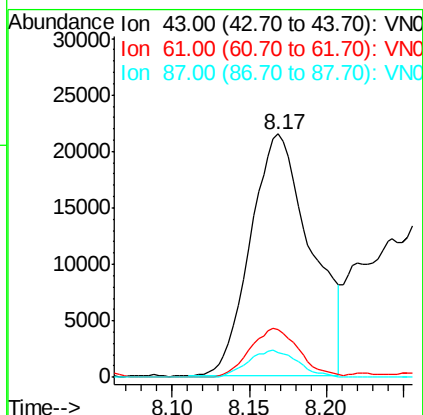
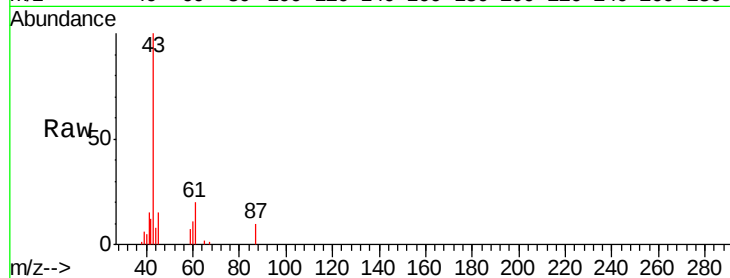
Tgt Ion: 43 Resp: 57887

Ion Ratio Lower Upper

43 100

61 16.6 22.9 34.3#

87 9.3 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.235 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053266.D

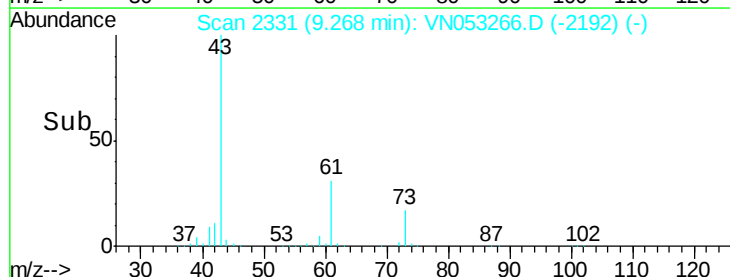
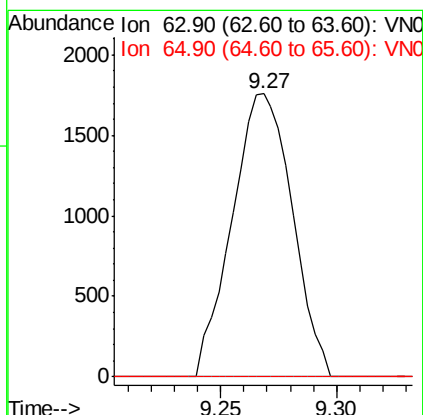
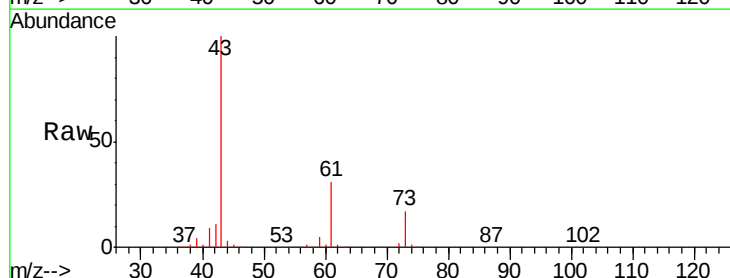
Acq: 3 Jan 2019 16:57

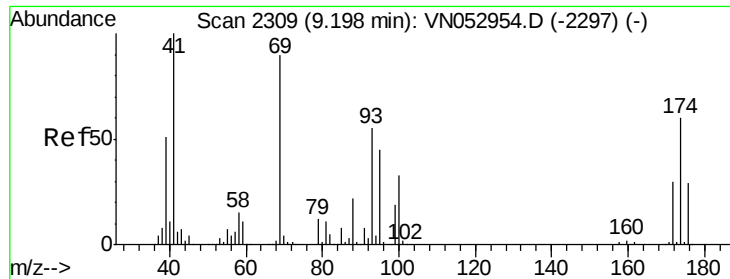
Tgt Ion: 63 Resp: 3168

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

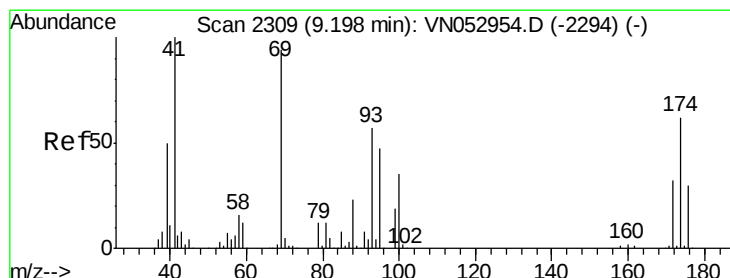
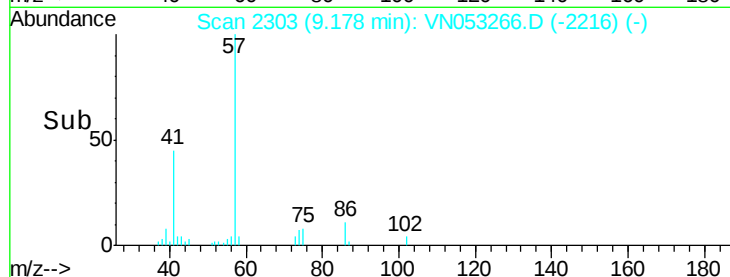
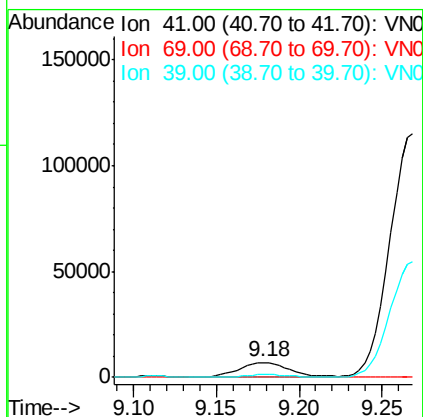
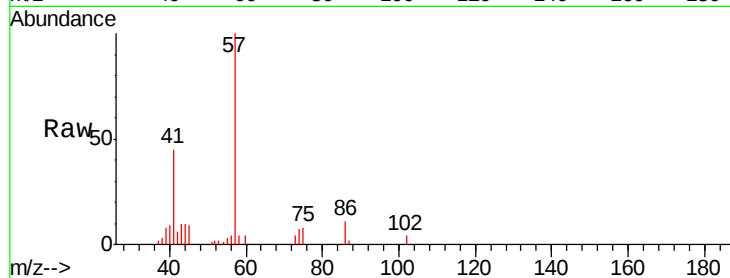




#48
Methyl methacrylate
Concen: 1.531 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

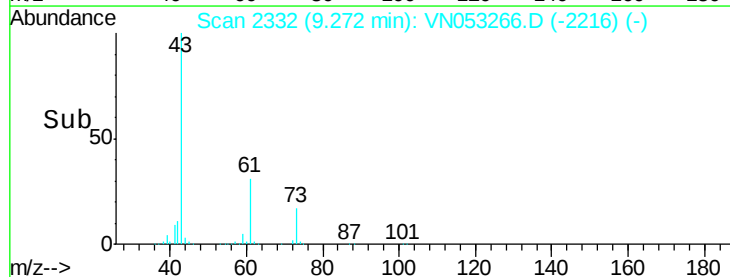
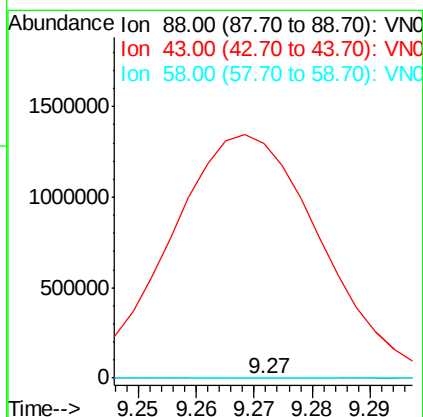
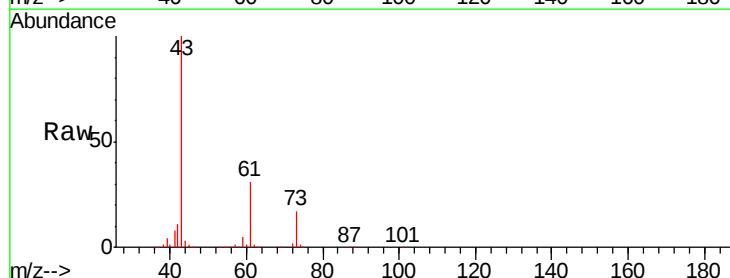
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#11

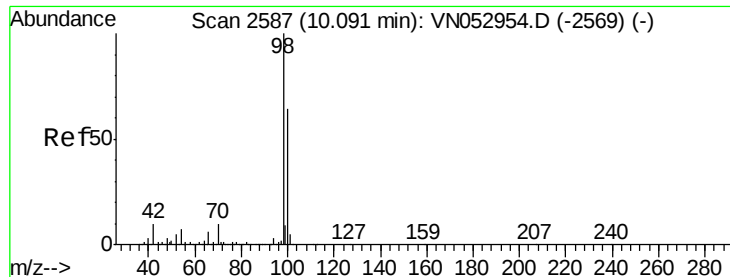
Tgt Ion: 41 Resp: 14427
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 2.114 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 990618.3 26.6 40.0#
58 4446.4 58.4 87.6#





#50

Toluene-d8

Concen: 2.114 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

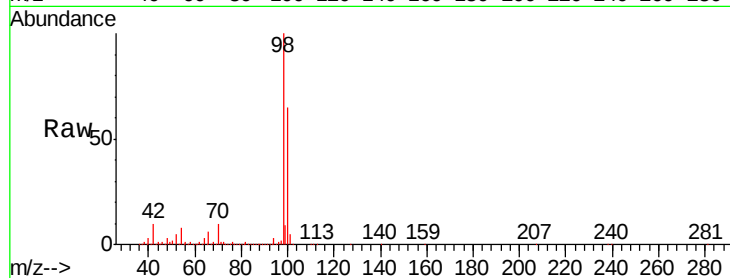
PB116111ZHE#11

Tgt Ion: 98 Resp: 2187332

Ion Ratio Lower Upper

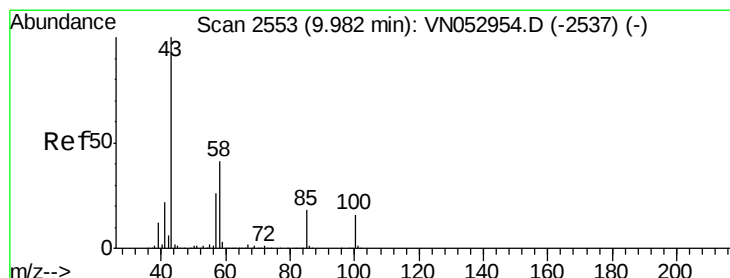
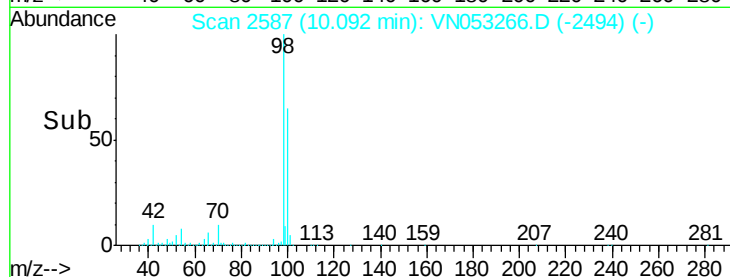
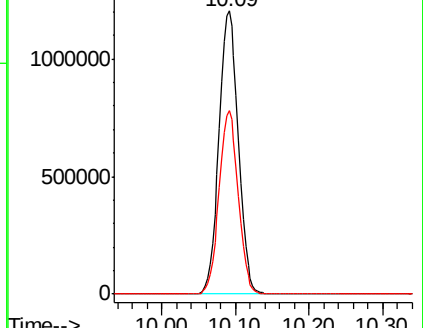
98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053266.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053266.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.011 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053266.D

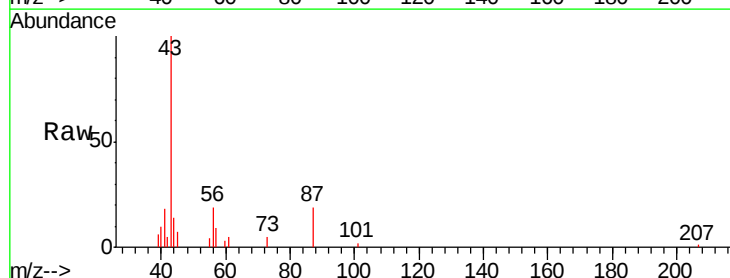
Acq: 3 Jan 2019 16:57

Tgt Ion: 43 Resp: 18913

Ion Ratio Lower Upper

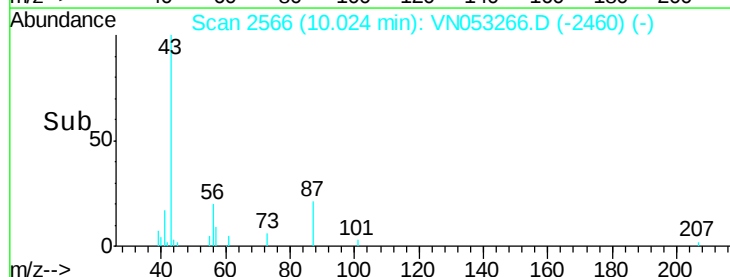
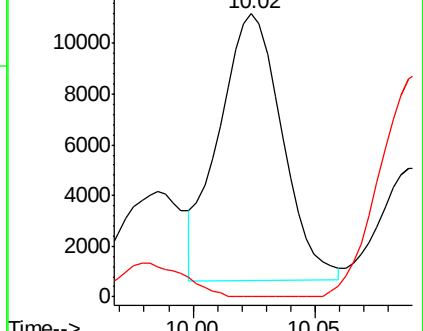
43 100

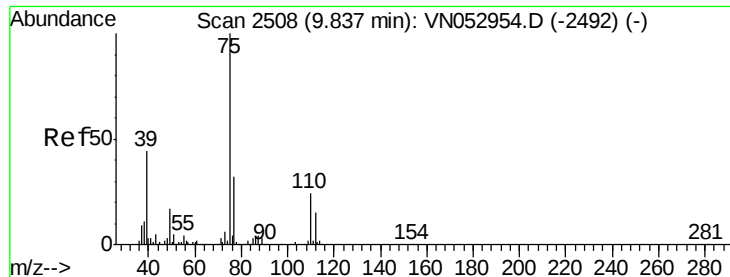
58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053266.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053266.D (-2460) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.257 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#11

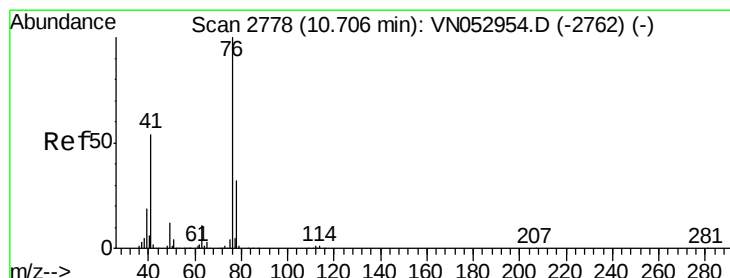
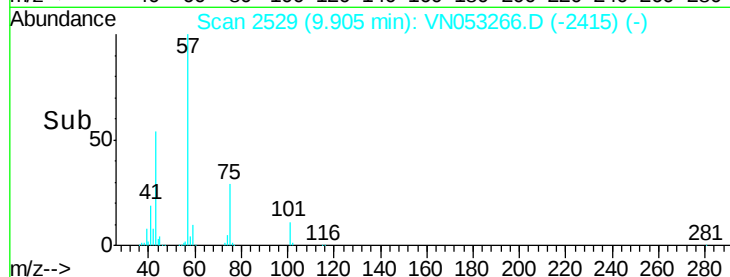
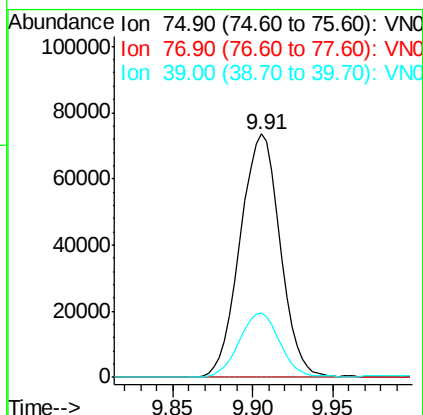
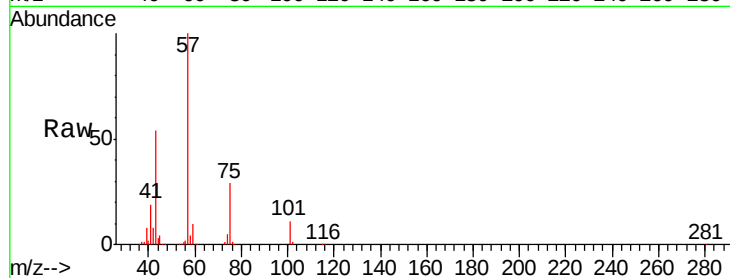
Tgt Ion: 75 Resp: 126020

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 26.3 34.8 52.2#



#57

1,3-Dichloropropane

Concen: 1.268 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053266.D

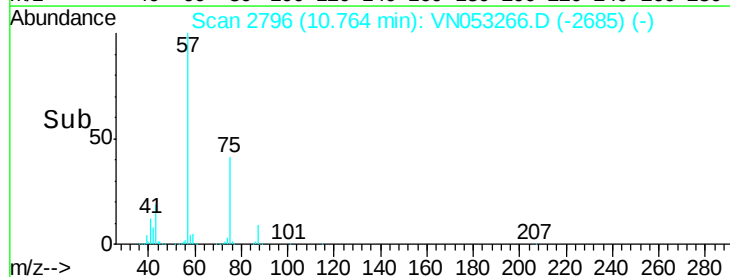
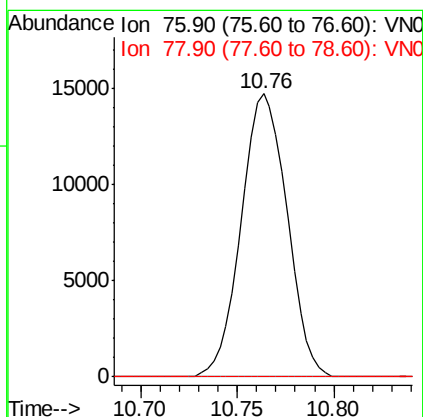
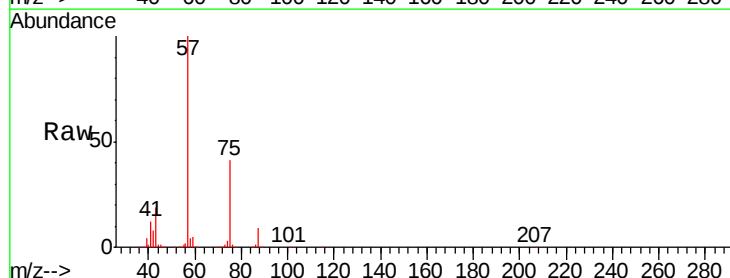
Acq: 3 Jan 2019 16:57

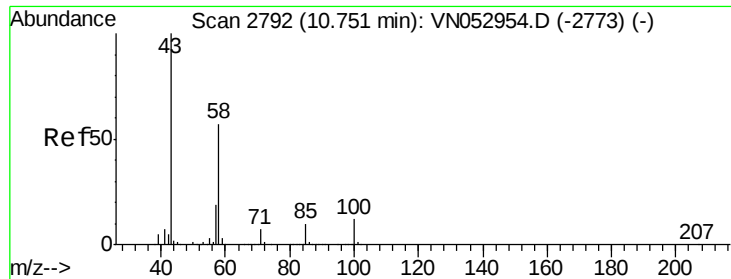
Tgt Ion: 76 Resp: 24322

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

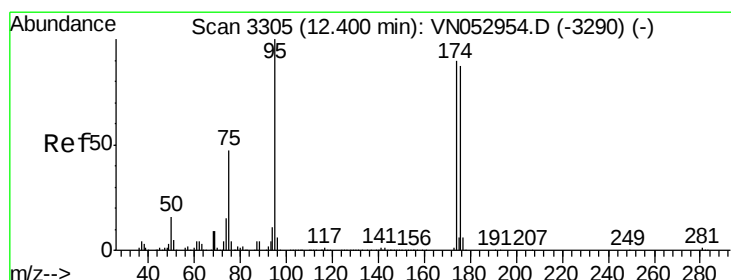
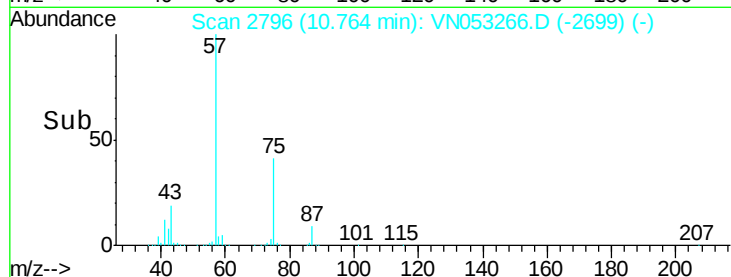
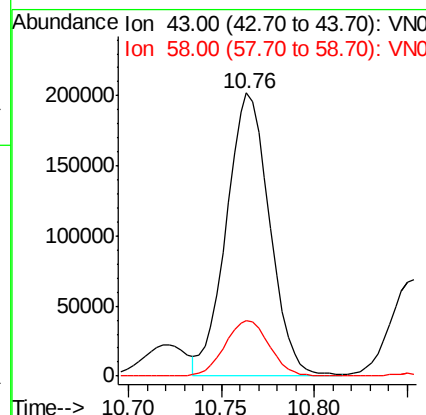
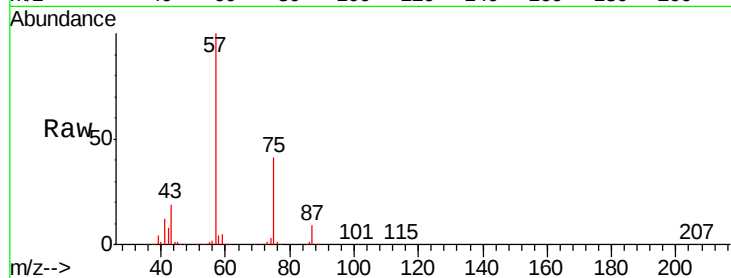




#59
2-Hexanone
Concen: 50.998 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

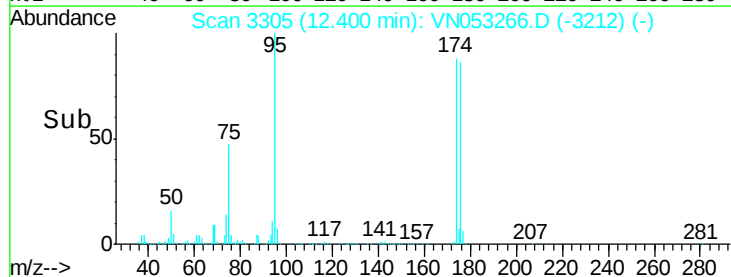
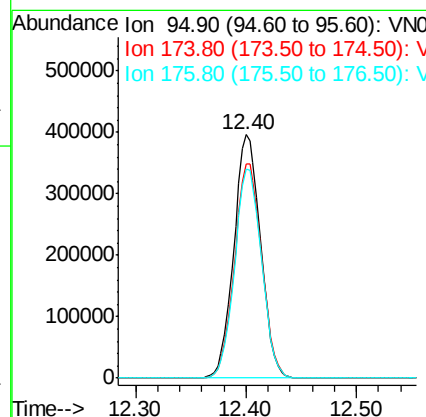
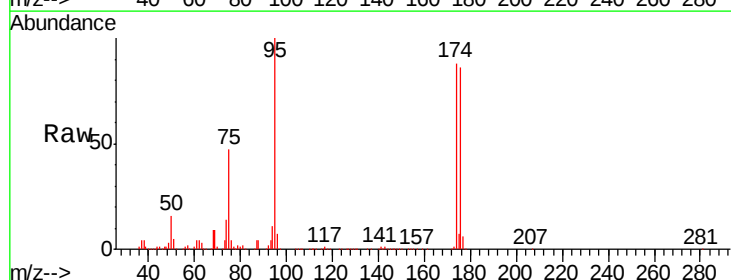
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#11

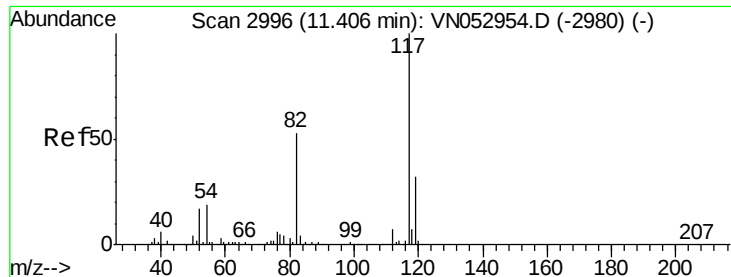
Tgt Ion: 43 Resp: 324453
Ion Ratio Lower Upper
43 100
58 20.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

Tgt Ion: 95 Resp: 664127
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 86.9 0.0 173.8

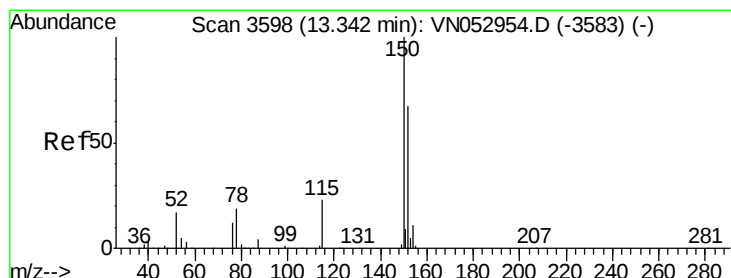
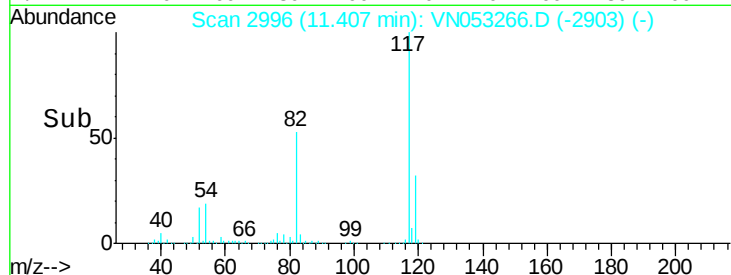
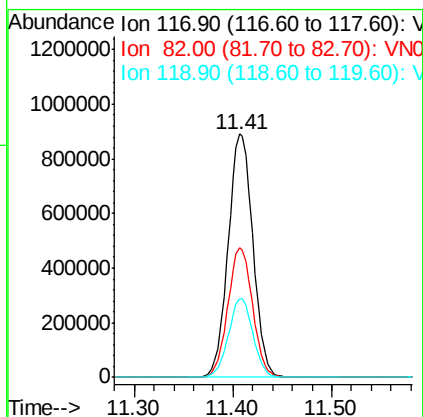
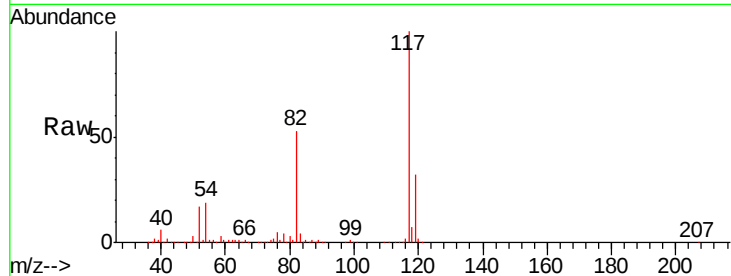




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

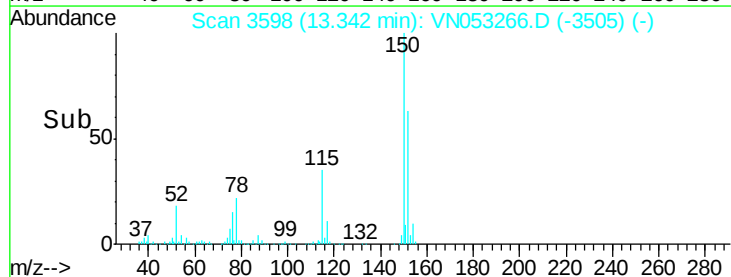
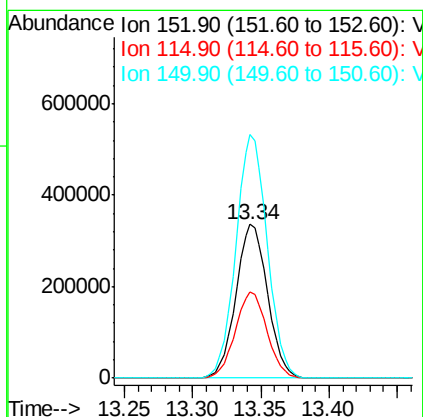
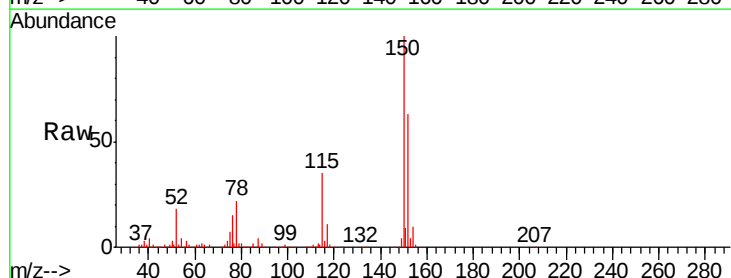
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#11

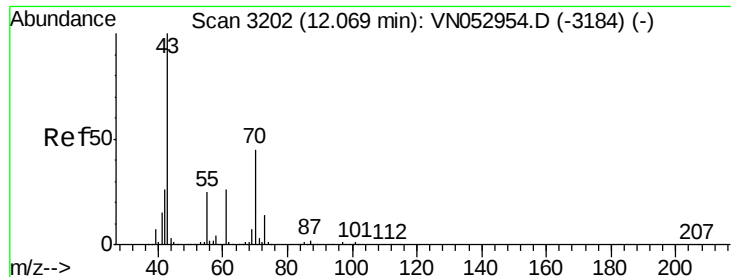
Tgt Ion:117 Resp: 1560602
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053266.D
Acq: 3 Jan 2019 16:57

Tgt Ion:152 Resp: 538453
Ion Ratio Lower Upper
152 100
115 56.2 28.3 85.0
150 157.7 0.0 347.8





#74

N-ethyl acetate

Concen: 3.290 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

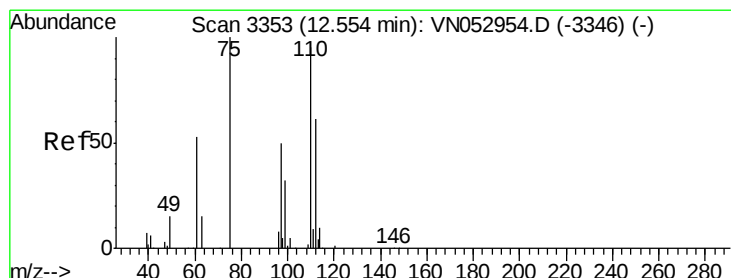
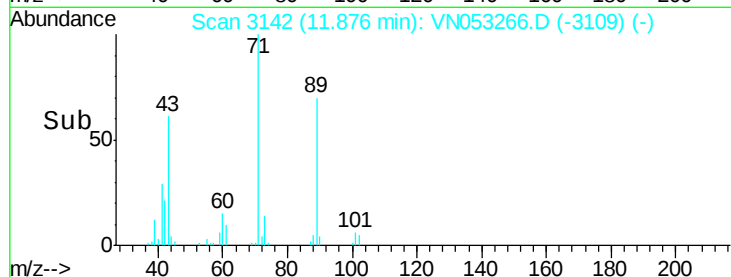
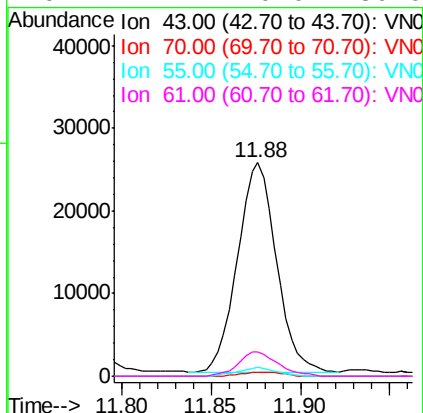
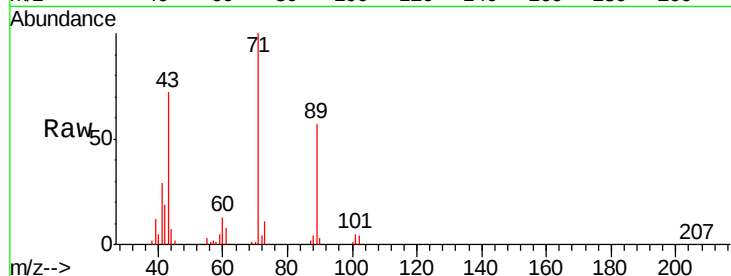
Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#11

Tgt Ion:	43	Resp:	38476
Ion	Ratio	Lower	Upper
43	100		
70	2.1	34.2	51.4#
55	4.3	20.3	30.5#
61	12.1	20.0	30.0#



#76

1,2,3-Trichloropropane

Concen: 34.097 ug/l

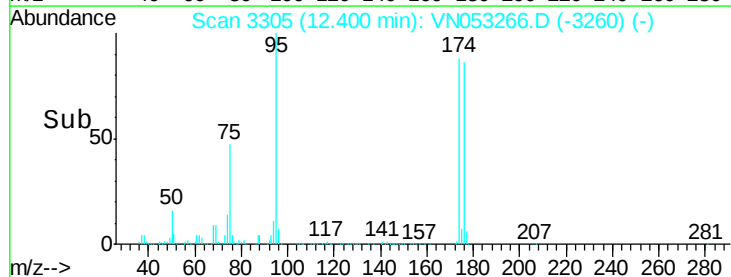
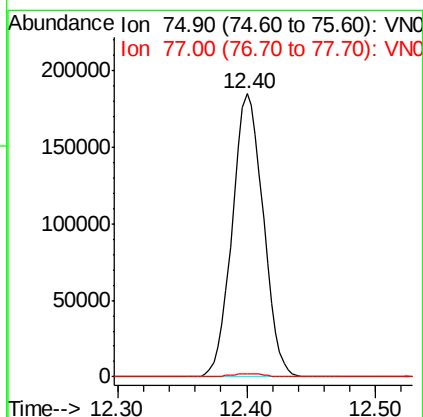
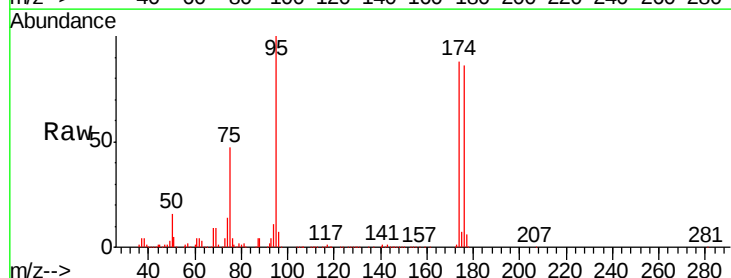
RT: 12.40 min Scan# 3305

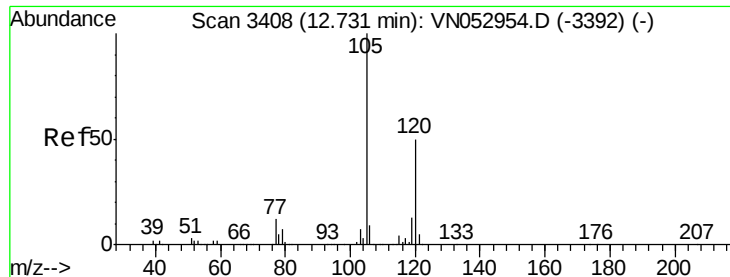
Delta R.T. -0.15 min

Lab File: VN053266.D

Acq: 3 Jan 2019 16:57

Tgt Ion:	75	Resp:	309068
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

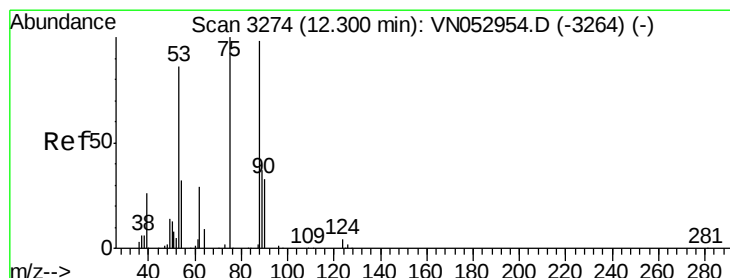
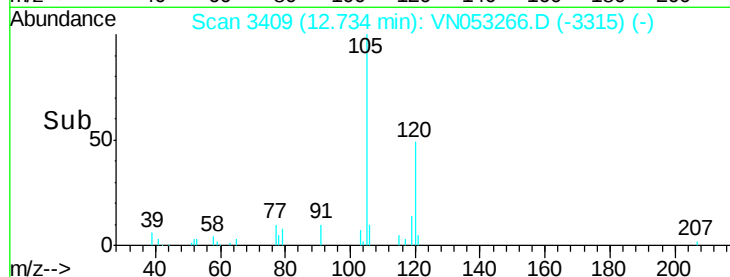
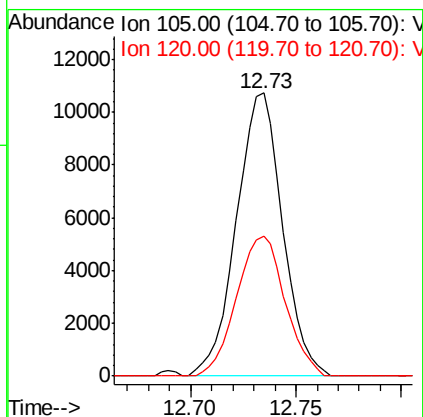
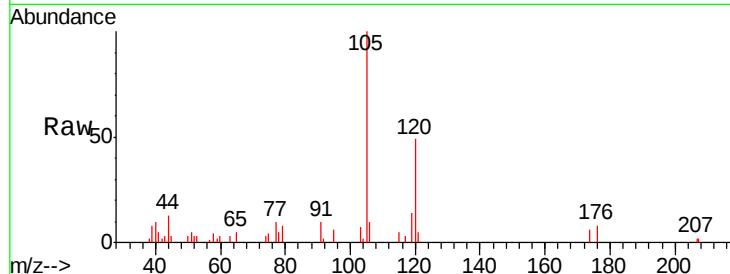




#80
 1,3,5-Trimethylbenzene
 Concen: 0.475 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053266.D
 Acq: 3 Jan 2019 16:57

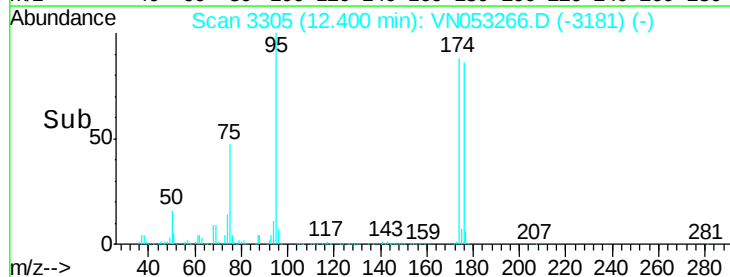
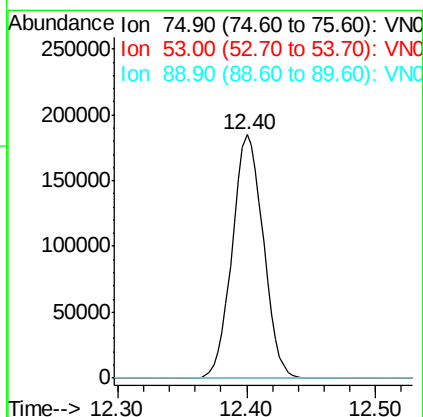
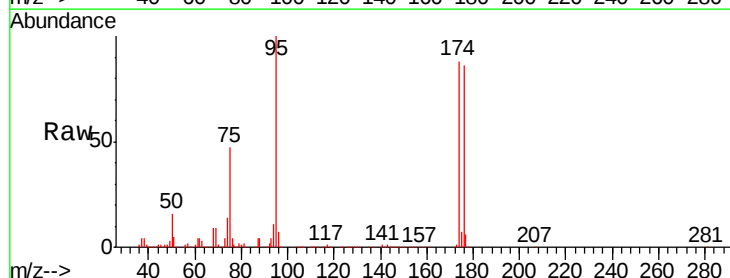
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#11

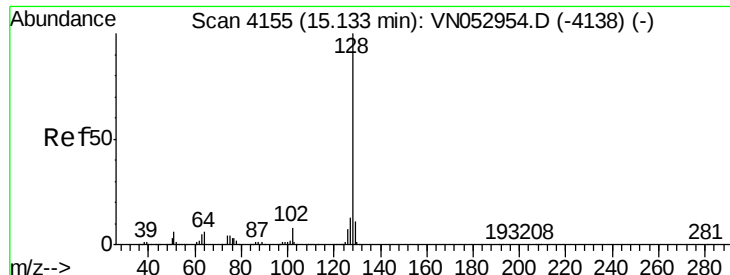
Tgt Ion:105 Resp: 16316
 Ion Ratio Lower Upper
 105 100
 120 52.0 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.900 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053266.D
 Acq: 3 Jan 2019 16:57

Tgt Ion: 75 Resp: 309068
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 1.150 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053266.D

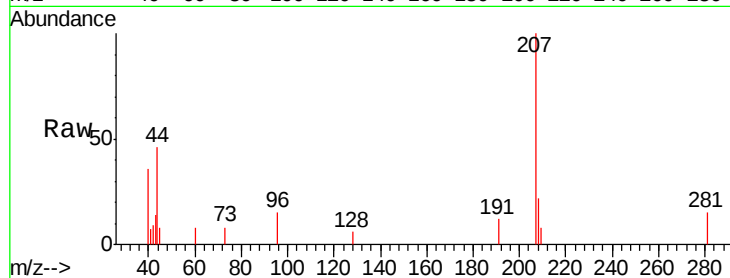
Acq: 3 Jan 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#11



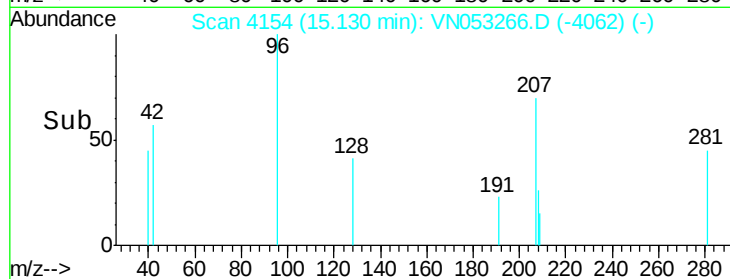
Tgt Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 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

