

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053324.D
 Acq On : 9 Jan 2019 17:05
 Operator : MD\SY
 Sample : PB116248ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116248ZHE#17

Quant Time: Jan 10 03:05:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

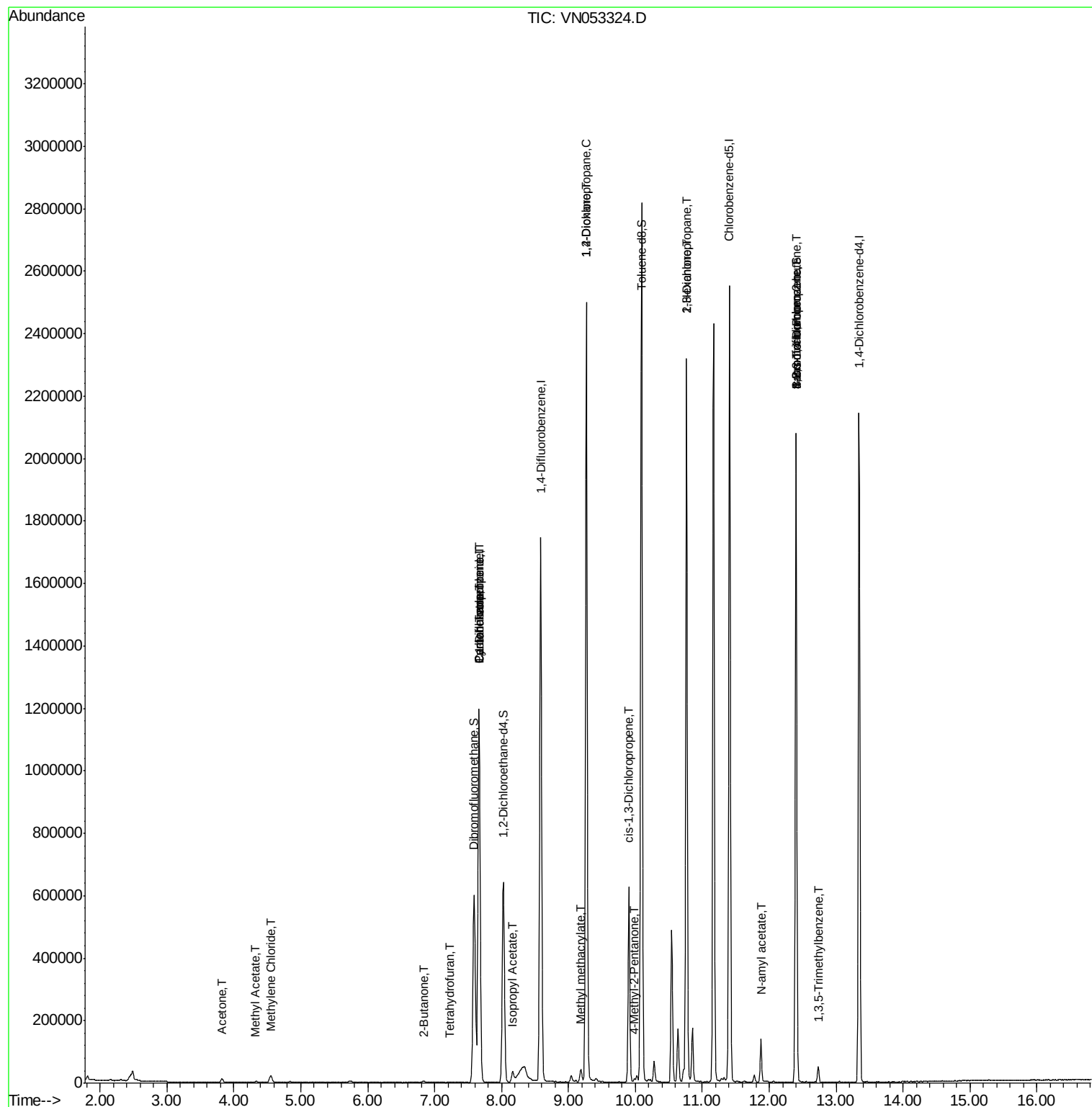
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1068866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1663268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1563145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	619907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	534506	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	465218	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	10.09	98	2060658	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	711168	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	20353	5.418	ug/l	100
18) Methyl Acetate	4.32	43	8003	0.795	ug/l #	82
20) Methylene Chloride	4.55	84	16959	1.420	ug/l	95
25) 2-Butanone	6.85	43	2936	0.644	ug/l	94
29) Tetrahydrofuran	7.23	42	1411	0.469	ug/l #	55
31) Cyclohexane	7.66	56	16495	0.677	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	69489	4.475	ug/l #	48
38) Carbon Tetrachloride	7.66	117	90543	6.317	ug/l #	16
43) Isopropyl Acetate	8.16	43	45991	2.311	ug/l #	87
45) 1,2-Dichloropropane	9.27	63	3278	0.264	ug/l #	43
48) Methyl methacrylate	9.18	41	13797	1.526	ug/l #	12
49) 1,4-Dioxane	9.27	88	342	3.551	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6774	0.677	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	121044	6.774	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	25668	1.435	ug/l #	42
59) 2-Hexanone	10.76	43	329219	48.022	ug/l #	50
71) Bromoform	12.40	173	3811	0.454	ug/l #	1
74) N-amyl acetate	11.88	43	40630	2.948	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	330290	36.530	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	26232	0.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	330290	107.477	ug/l #	14

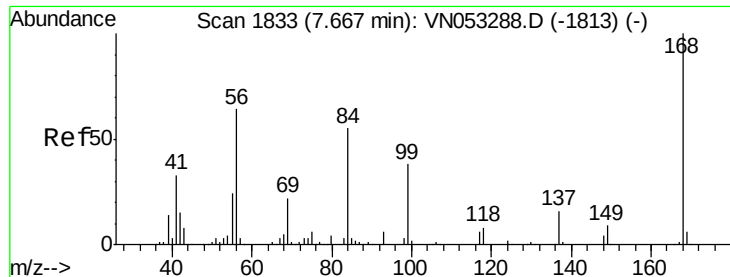
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

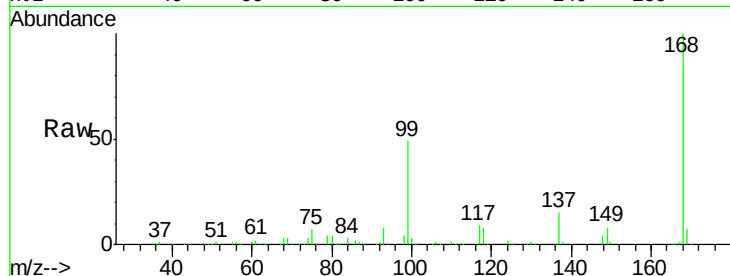
PB116248ZHE#17

Tot Ion:168 Resp: 1068866

Ion Ratio Lower Upper

168 100

99 48.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053324.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053324.D (-1740) (-)

7.66

400000

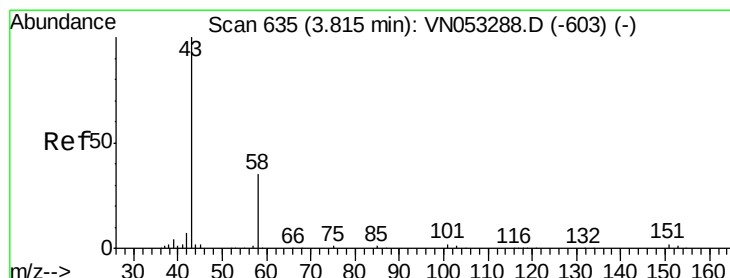
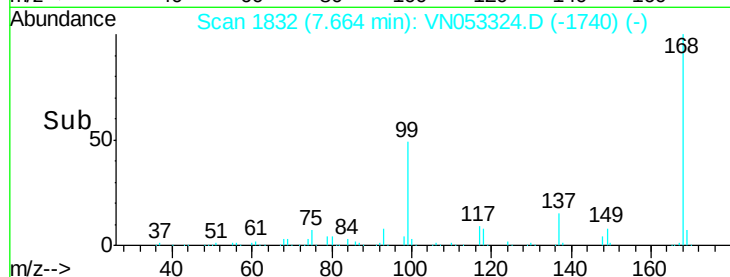
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.418 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053324.D

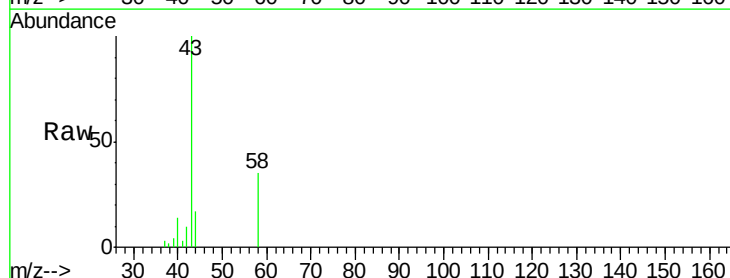
Acq: 9 Jan 2019 17:05

Tgt Ion: 43 Resp: 20353

Ion Ratio Lower Upper

43 100

58 34.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053324.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053324.D (-541) (-)

3.82

8000

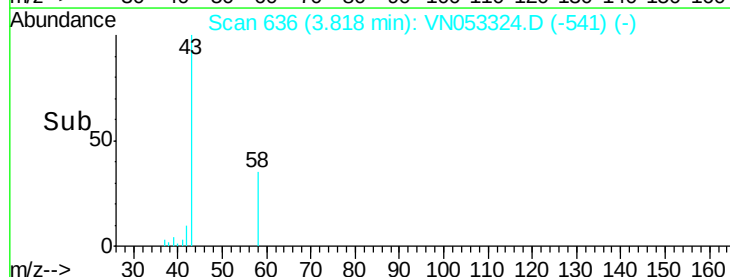
6000

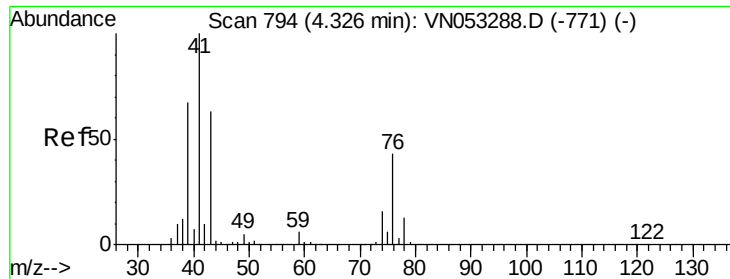
4000

2000

0

Time-->

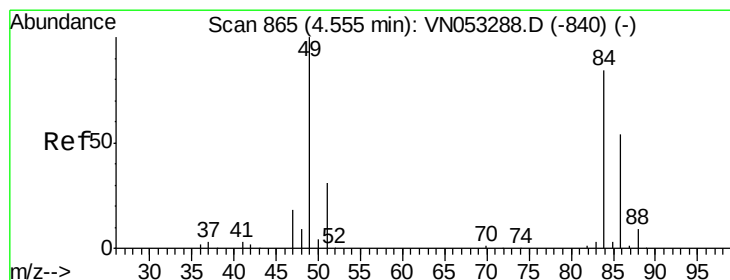
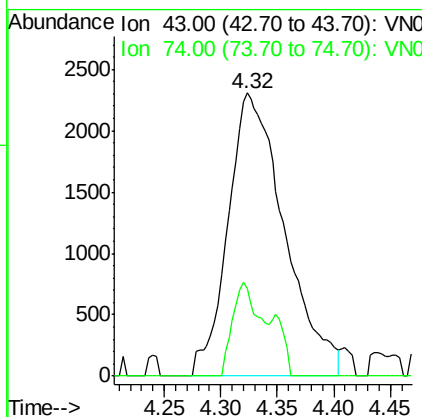
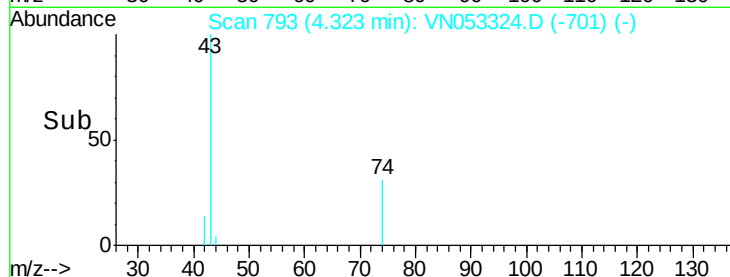
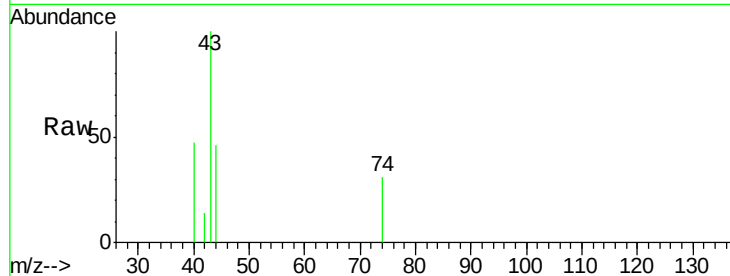




#18
Methyl Acetate
Concen: 0.795 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

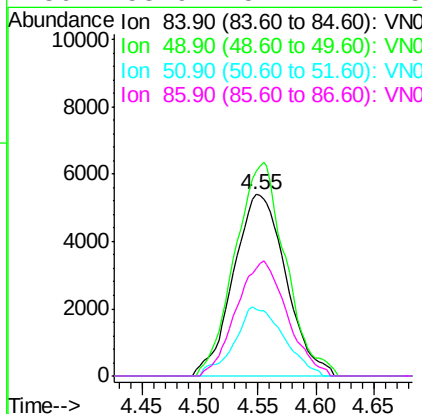
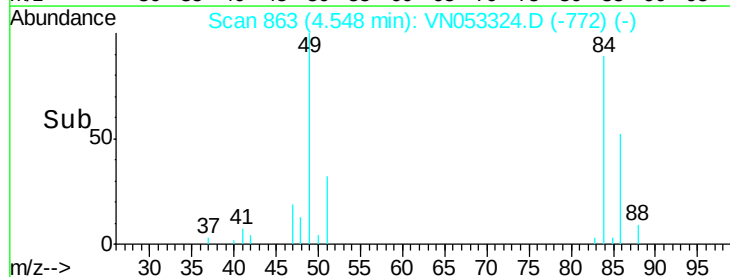
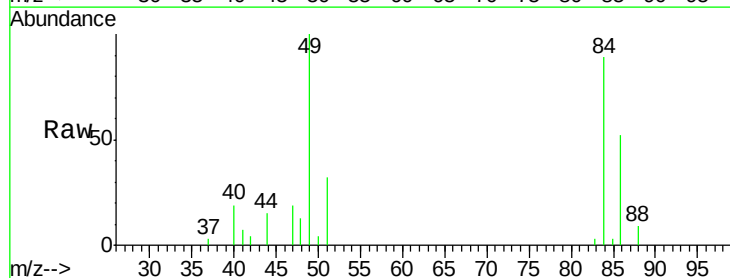
Instrument :
MSVOA_N
ClientSampleId :
PB116248ZHE#17

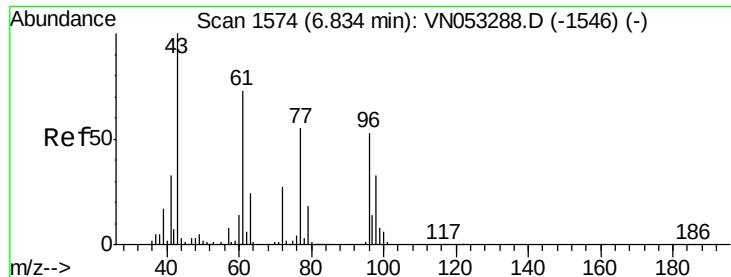
Tot Ion: 43 Resp: 8003
Ion Ratio Lower Upper
43 100
74 16.0 19.8 29.8#



#20
Methylene Chloride
Concen: 1.420 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Tgt Ion: 84 Resp: 16959
Ion Ratio Lower Upper
84 100
49 112.6 95.3 142.9
51 36.3 29.0 43.6
86 58.9 51.7 77.5

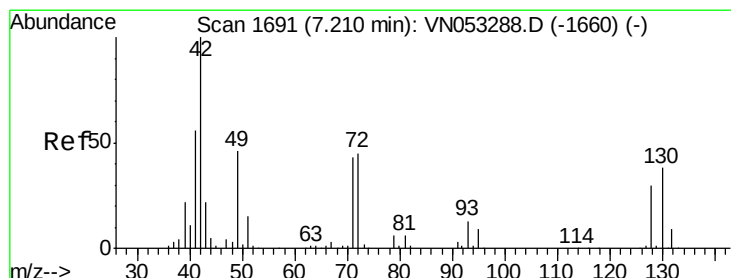
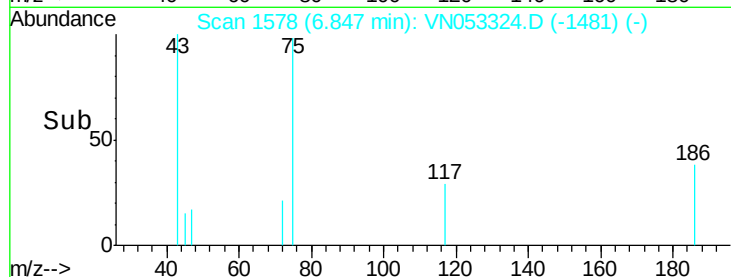
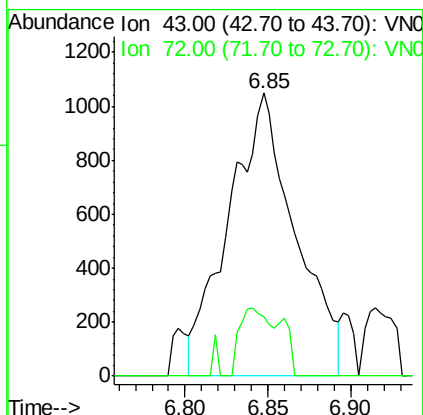
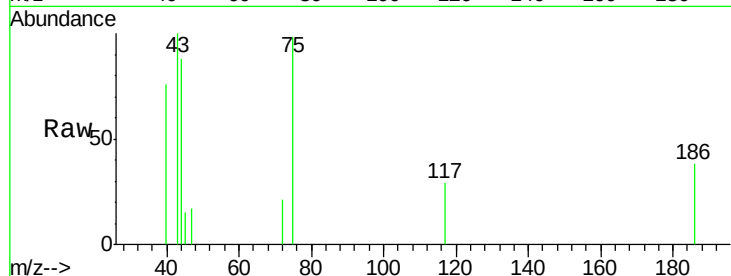




#25
 2-Butanone
 Concen: 0.644 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

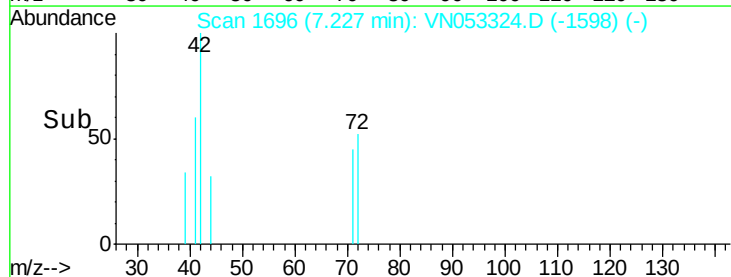
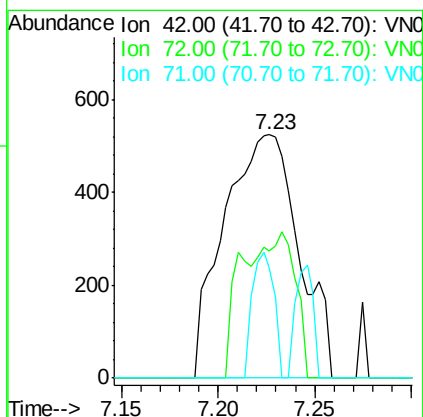
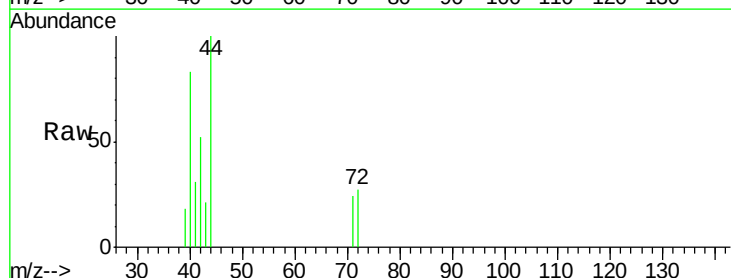
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116248ZHE#17

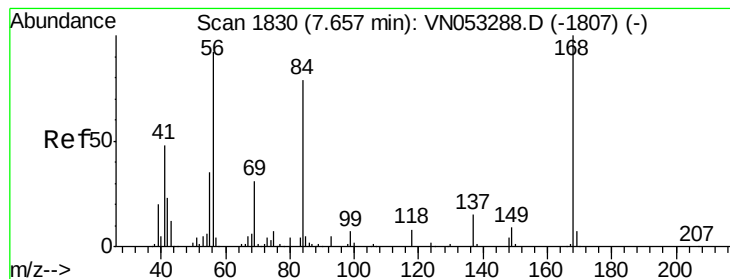
Tot Ion: 43 Resp: 2936
 Ion Ratio Lower Upper
 43 100
 72 24.4 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.469 ug/l
 RT: 7.23 min Scan# 1696
 Delta R.T. 0.02 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

Tgt Ion: 42 Resp: 1411
 Ion Ratio Lower Upper
 42 100
 72 13.3 35.6 53.4#
 71 15.2 33.8 50.8#





#31

Cyclohexane

Concen: 0.677 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB116248ZHE#17

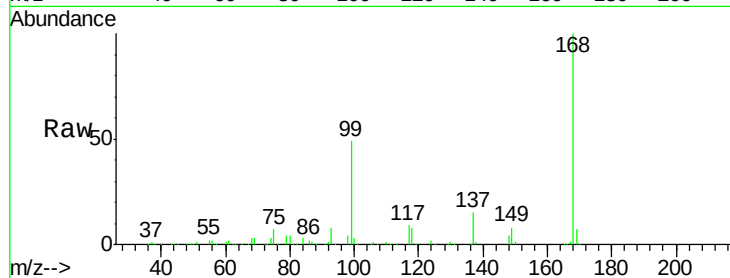
Tot Ion: 56 Resp: 16495

Ion Ratio Lower Upper

56 100

69 200.6 26.7 40.1#

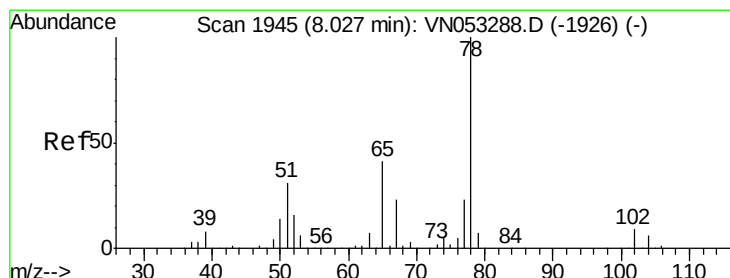
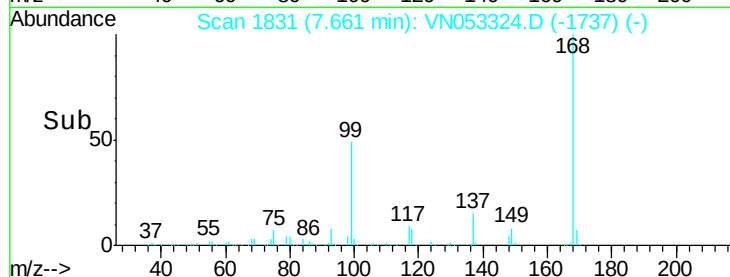
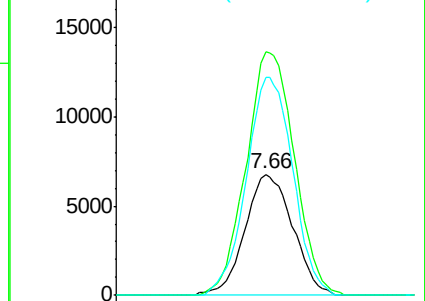
84 179.4 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053324.D

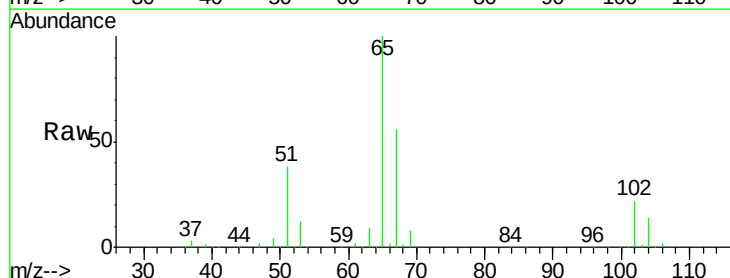
Acq: 9 Jan 2019 17:05

Tgt Ion: 65 Resp: 534506

Ion Ratio Lower Upper

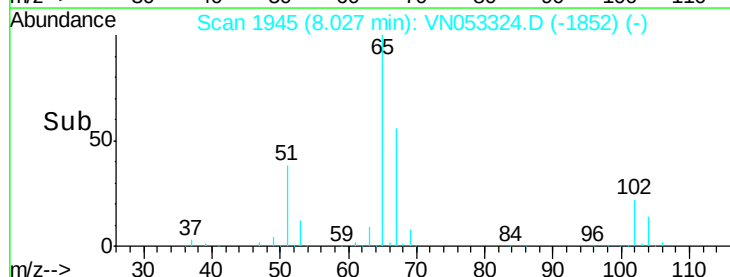
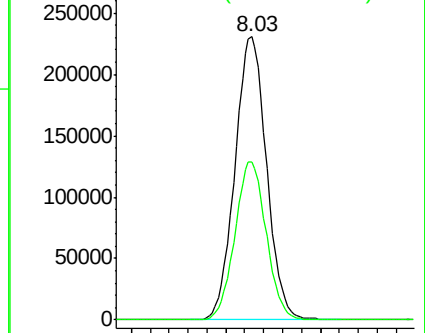
65 100

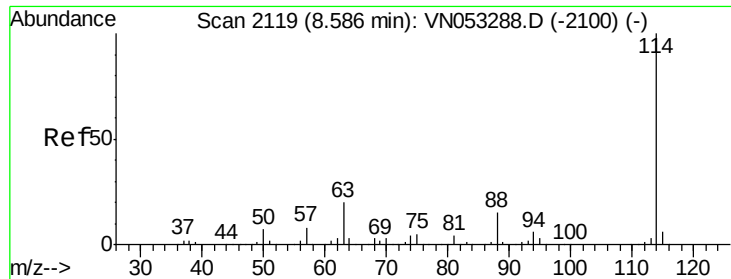
67 55.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

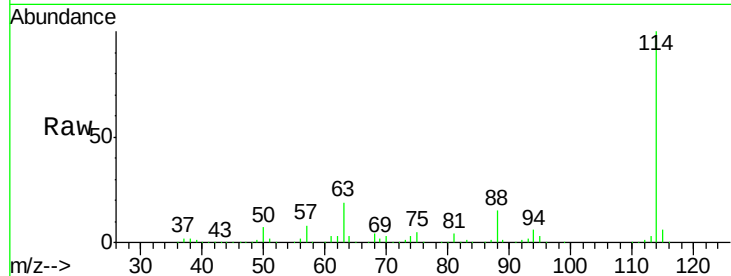




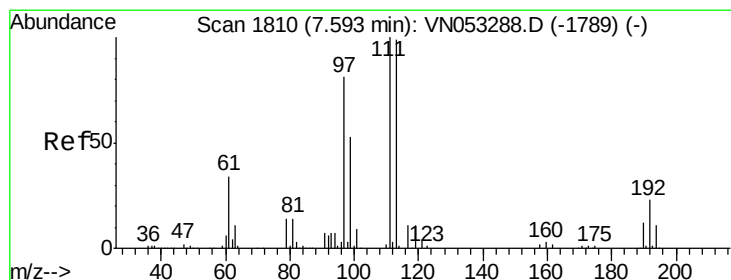
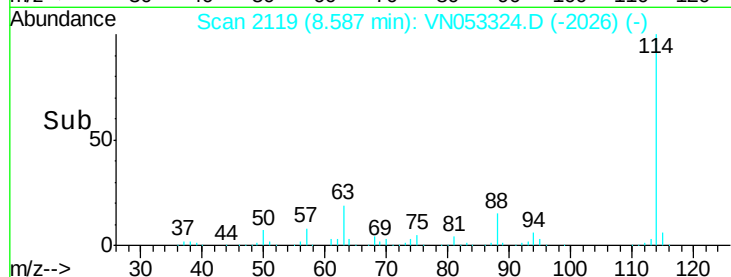
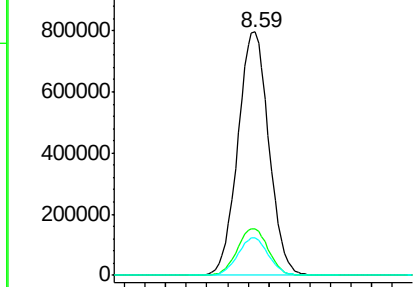
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116248ZHE#17

Tot Ion:114 Resp: 1663268
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.0
 88 15.2 0.0 30.8

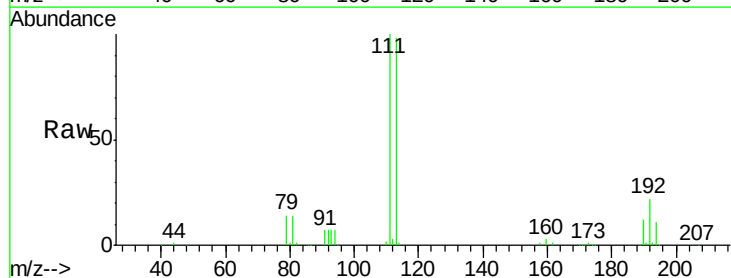


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

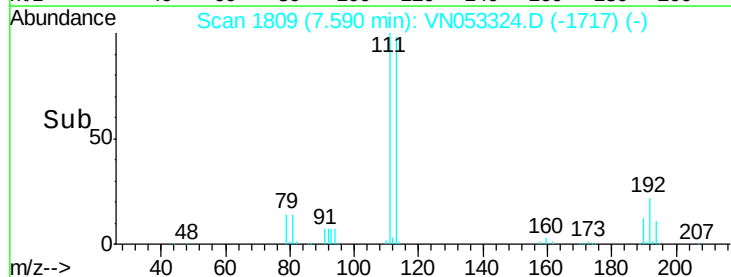
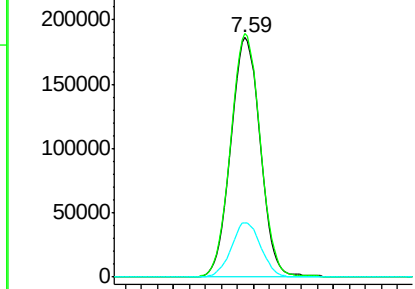


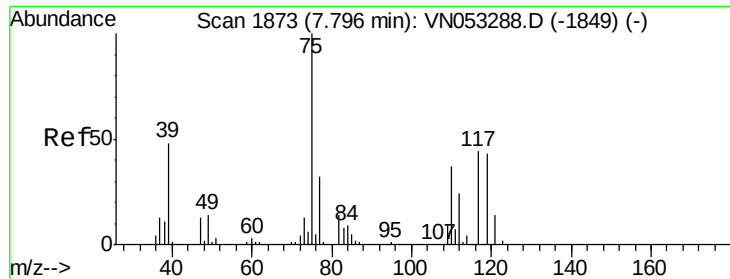
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

Tgt Ion:113 Resp: 465218
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 22.7 17.9 26.9



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

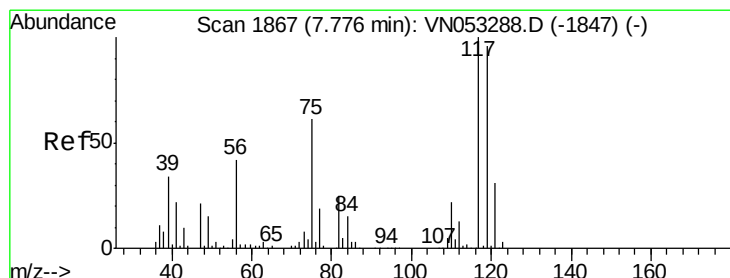
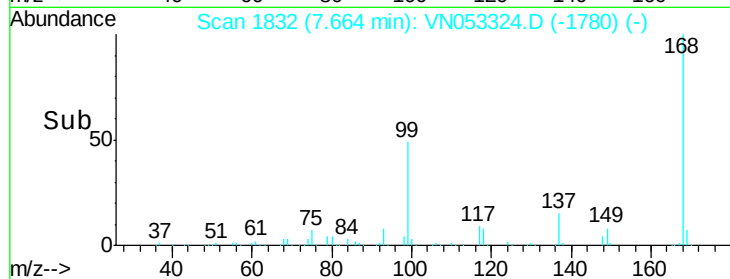
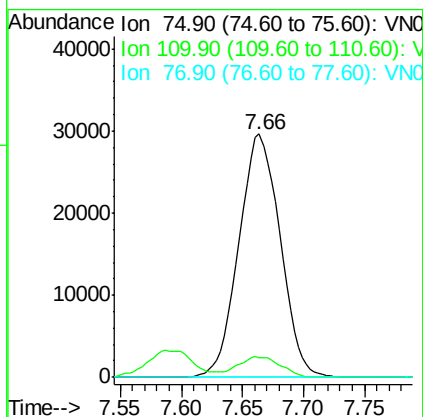
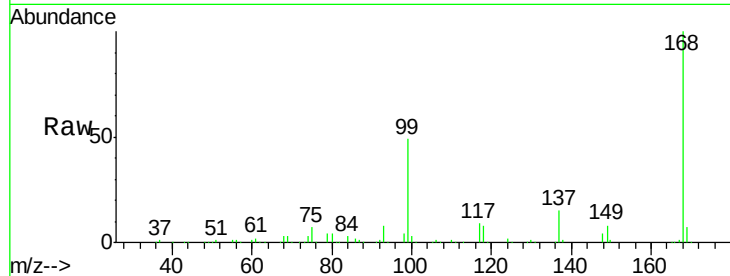




#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

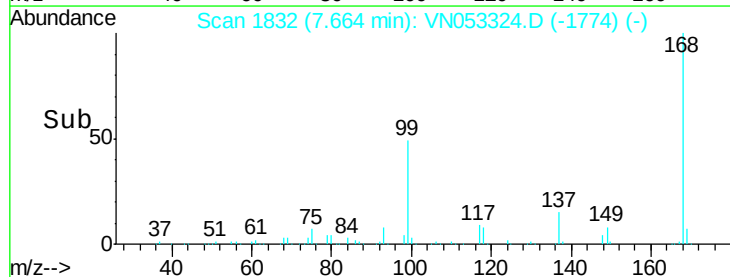
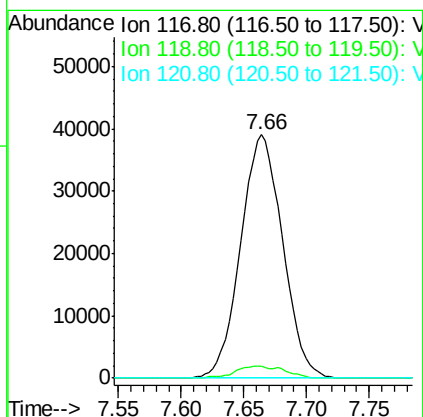
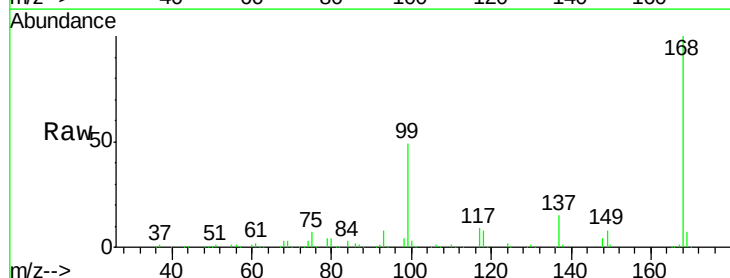
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116248ZHE#17

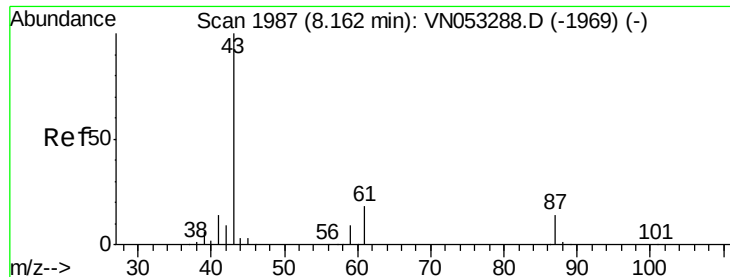
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.0#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.317 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053324.D
 Acq: 9 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.6	115.0#
121	0.0	25.0	37.4#





#43

Isopropyl Acetate

Concen: 2.311 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB116248ZHE#17

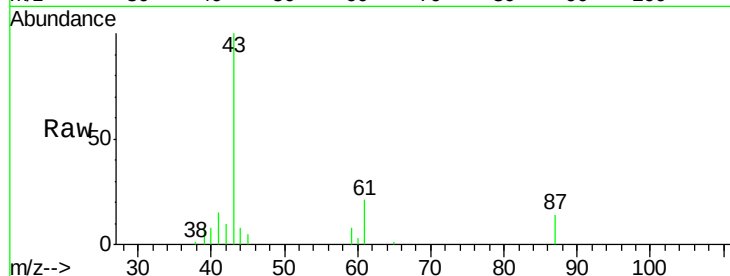
Tot Ion: 43 Resp: 45991

Ion Ratio Lower Upper

43 100

61 19.8 23.3 34.9#

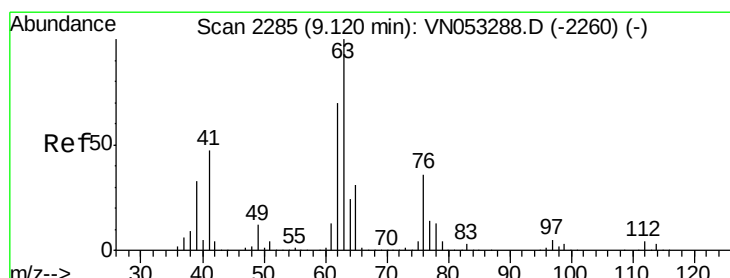
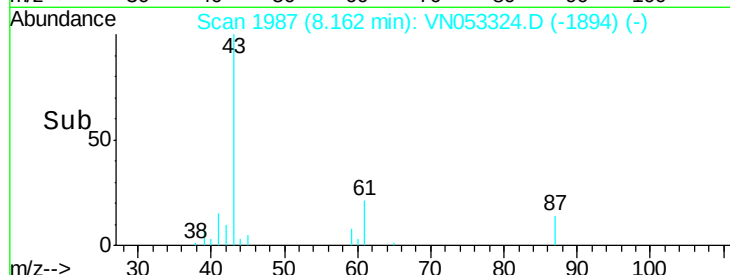
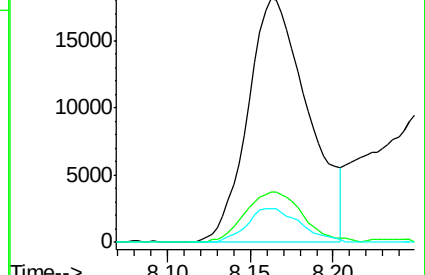
87 12.2 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053324.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053324.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053324.D (-1894) (-)



#45

1,2-Dichloropropane

Concen: 0.264 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053324.D

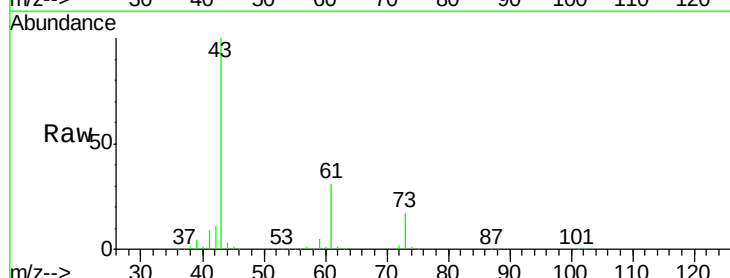
Acq: 9 Jan 2019 17:05

Tgt Ion: 63 Resp: 3278

Ion Ratio Lower Upper

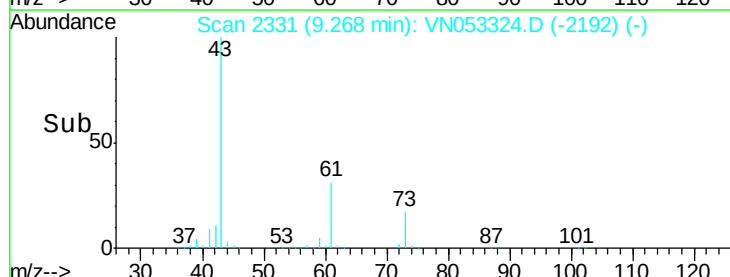
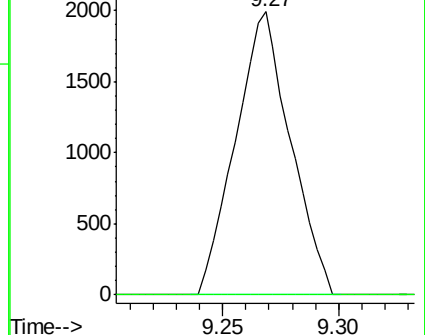
63 100

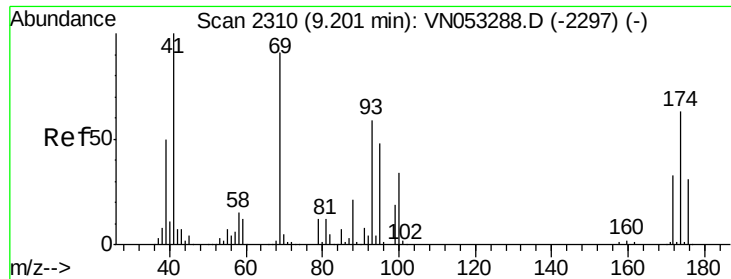
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN053324.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053324.D (-2192) (-)

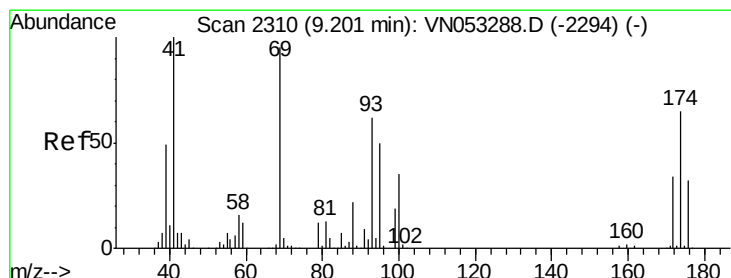
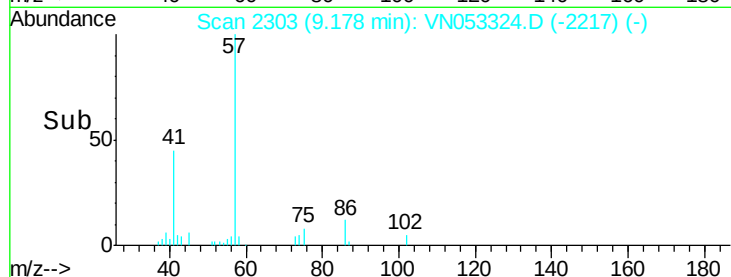
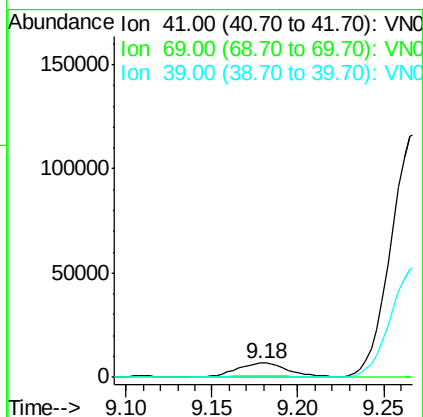
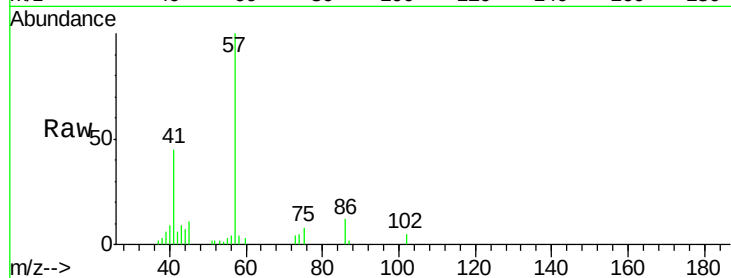




#48
Methyl methacrylate
Concen: 1.526 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

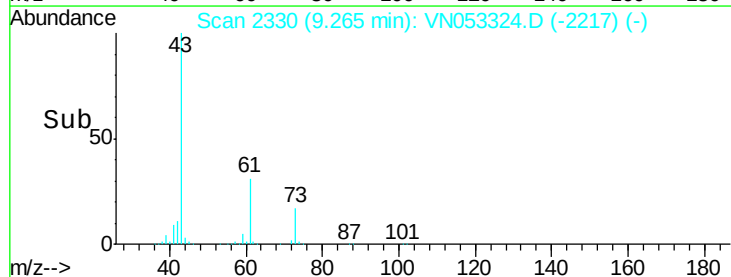
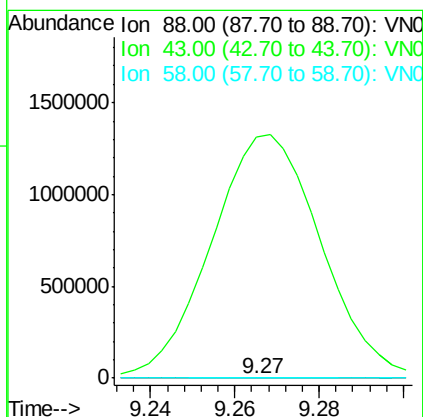
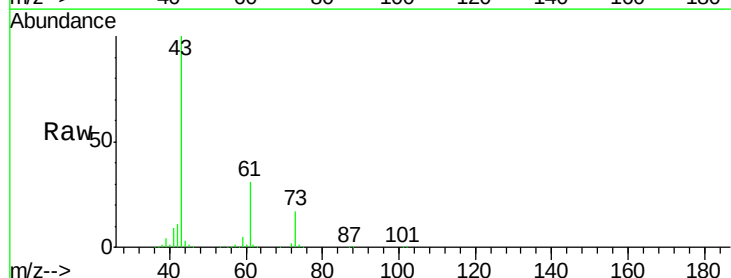
Instrument :
MSVOA_N
ClientSampleId :
PB116248ZHE#17

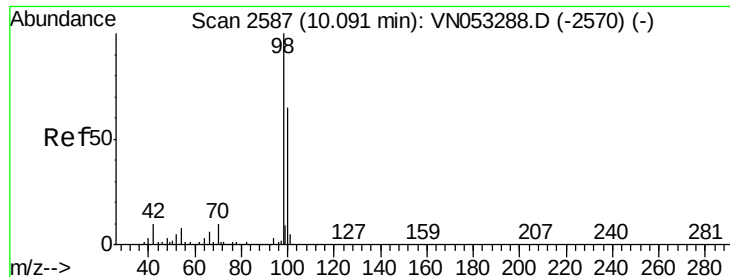
Tot Ion: 41 Resp: 13797
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 3.551 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Tgt Ion: 88 Resp: 342
Ion Ratio Lower Upper
88 100
43 708214.0 26.2 39.4#
58 3093.3 55.5 83.3#

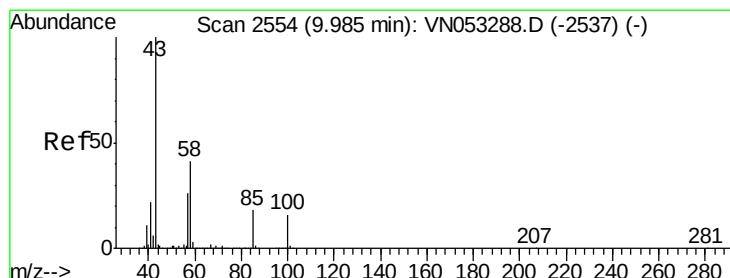
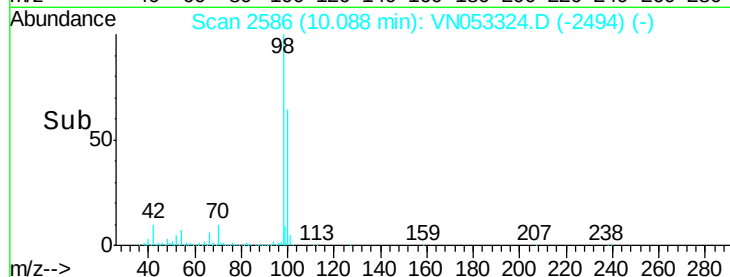
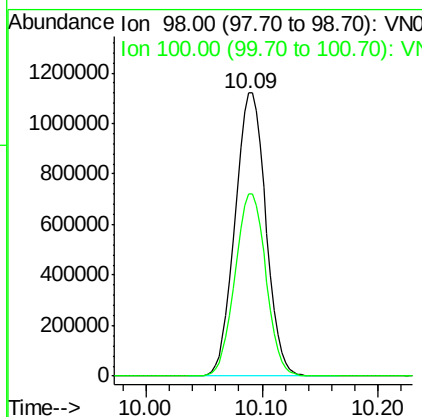
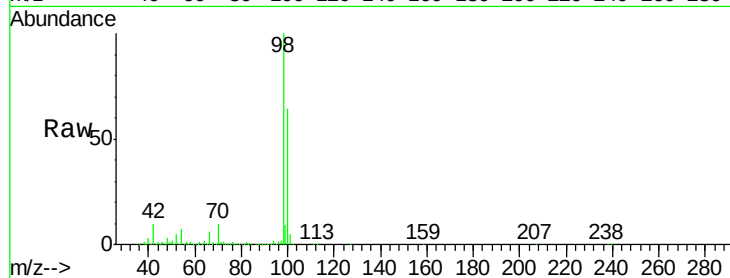




#50
Toluene-d8
Concen: 3.551 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

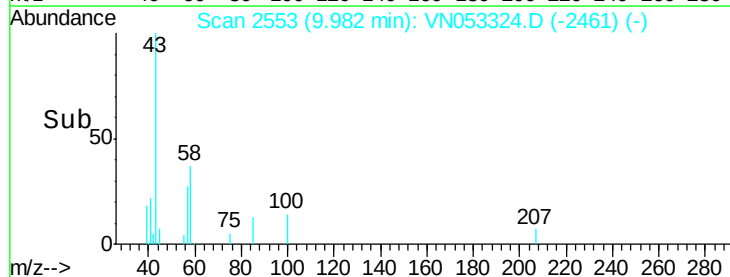
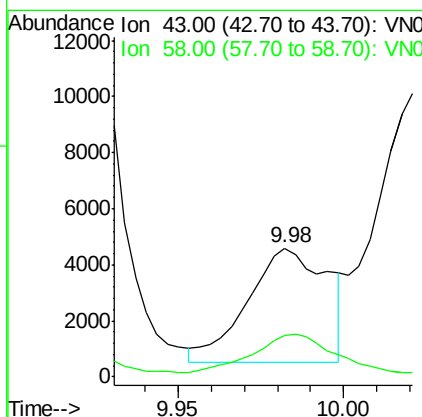
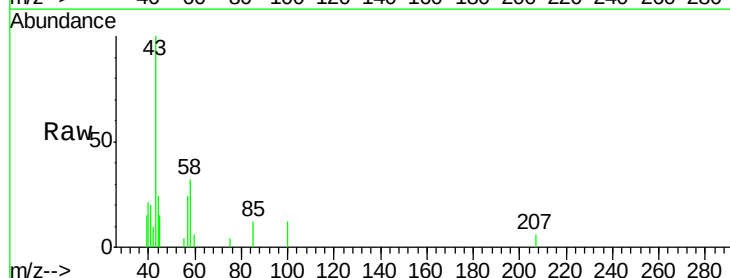
Instrument :
MSVOA_N
ClientSampleId :
PB116248ZHE#17

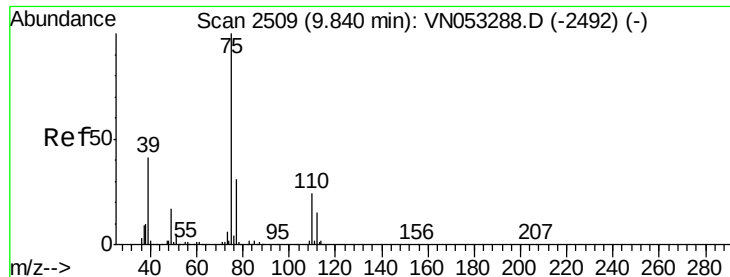
Tot Ion: 98 Resp: 2060658
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.677 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Tgt Ion: 43 Resp: 6774
Ion Ratio Lower Upper
43 100
58 44.4 32.7 49.1





#54

cis-1,3-Dichloropropene

Concen: 6.774 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB116248ZHE#17

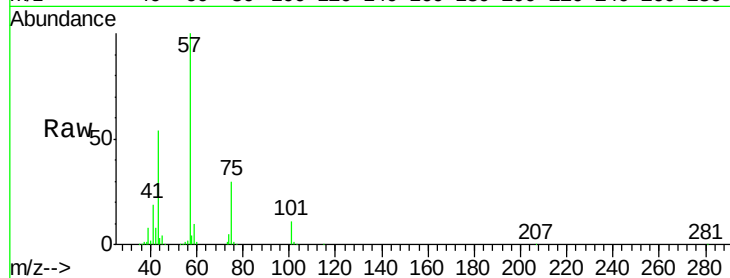
Tot Ion: 75 Resp: 121044

Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

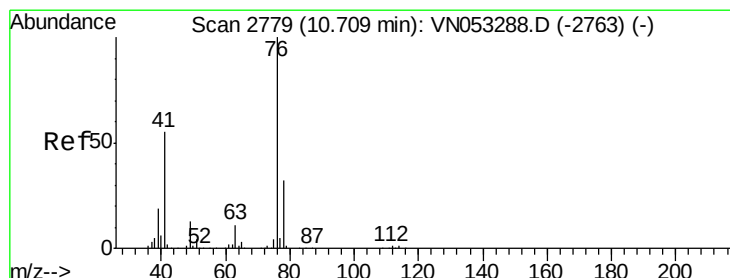
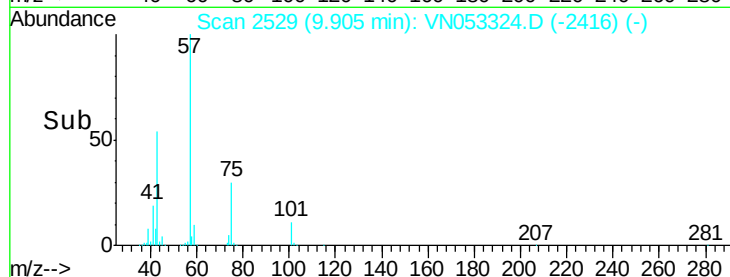
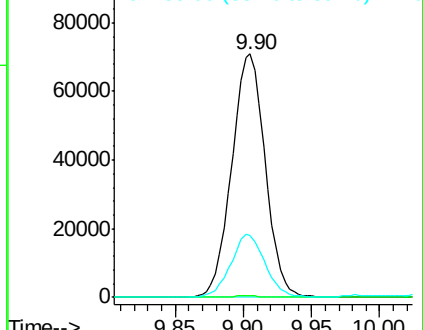
39 25.3 33.1 49.7#



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: 1.435 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053324.D

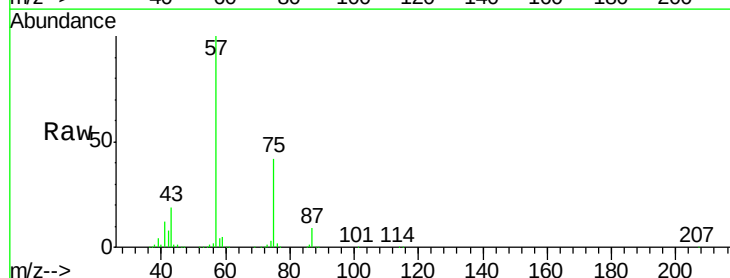
Acq: 9 Jan 2019 17:05

Tgt Ion: 76 Resp: 25668

Ion Ratio Lower Upper

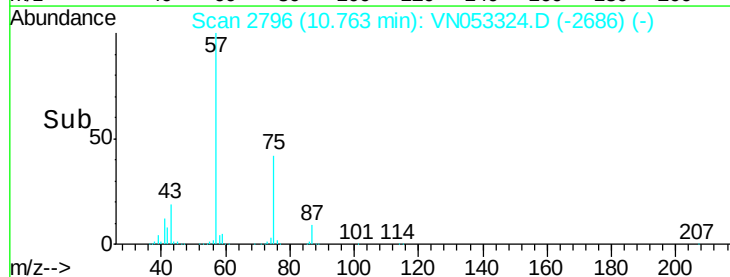
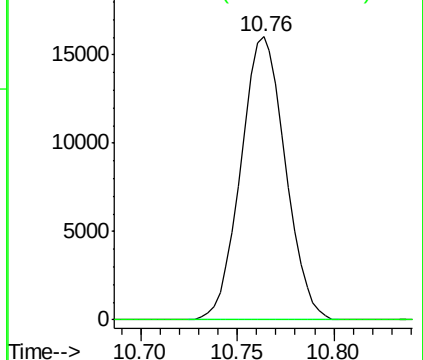
76 100

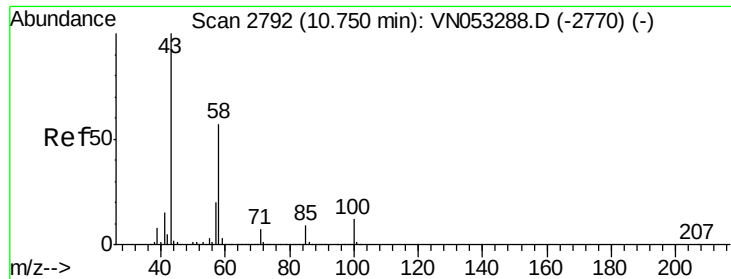
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

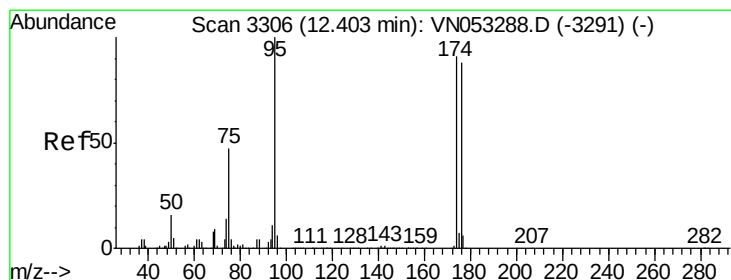
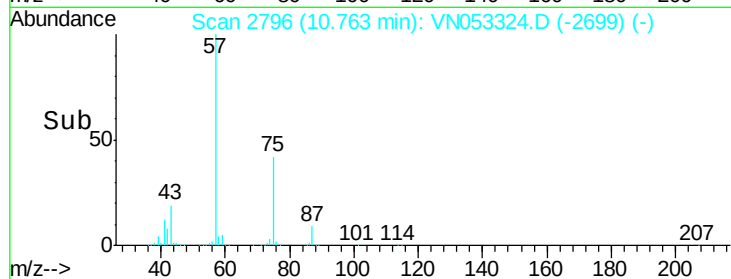
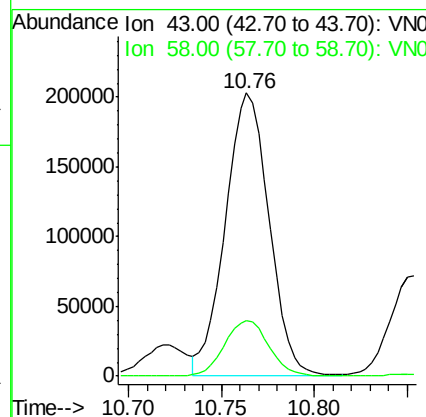
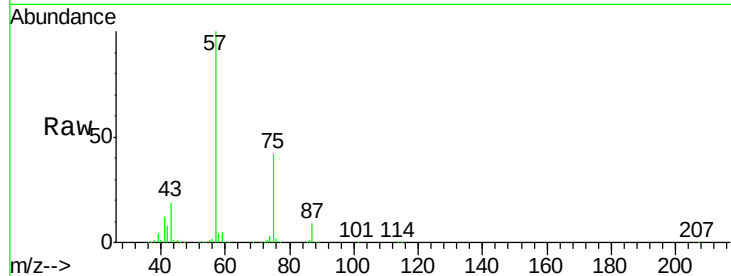




#59
2-Hexanone
Concen: 48.022 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

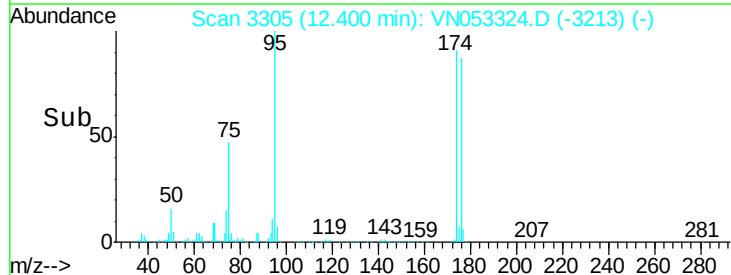
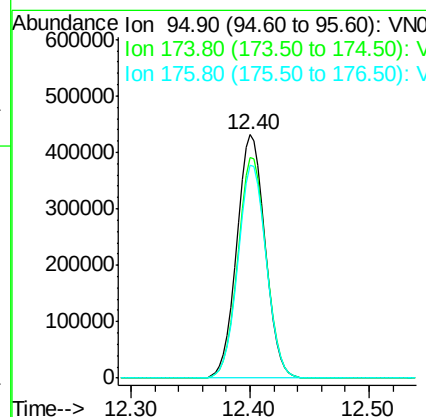
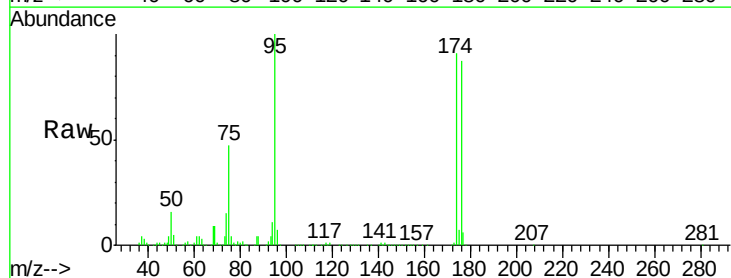
Instrument :
MSVOA_N
ClientSampleId :
PB116248ZHE#17

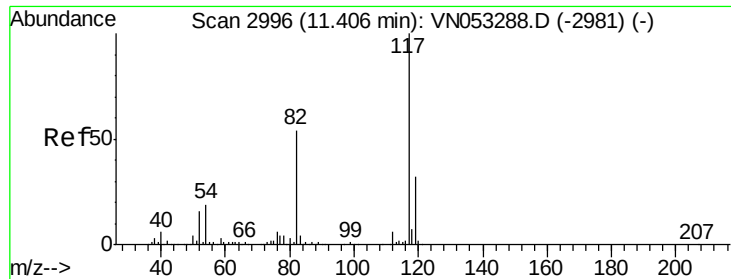
Tot Ion: 43 Resp: 329219
Ion Ratio Lower Upper
43 100
58 20.2 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Tgt Ion: 95 Resp: 711168
Ion Ratio Lower Upper
95 100
174 90.4 0.0 180.4
176 87.5 0.0 175.6

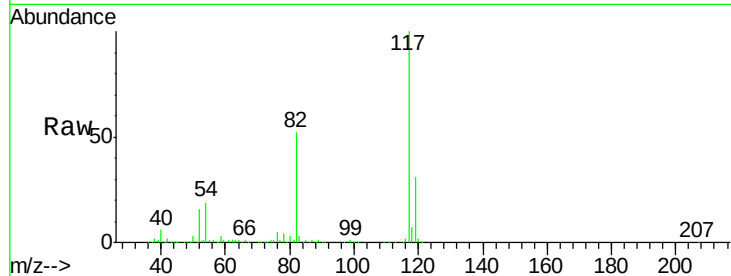




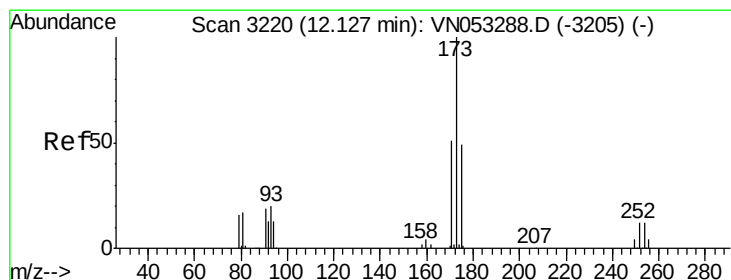
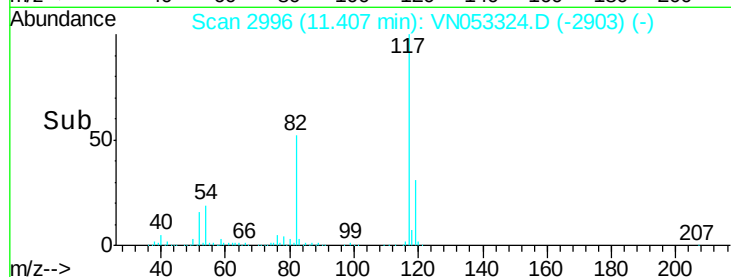
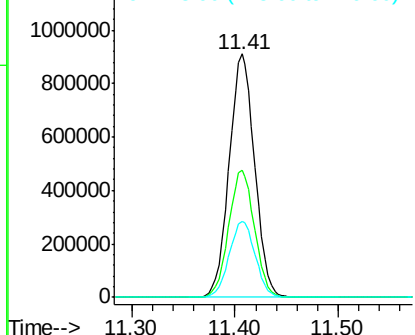
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
PB116248ZHE#17

Tot Ion:117 Resp: 1563145
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 31.4 25.6 38.4

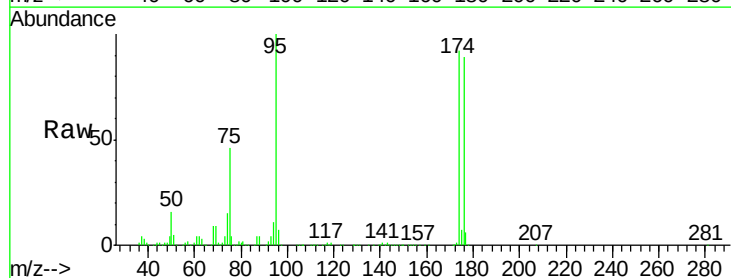


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

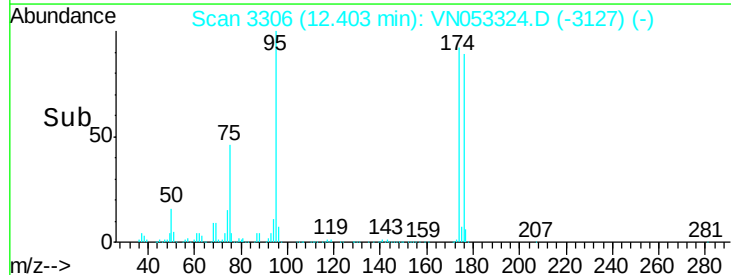
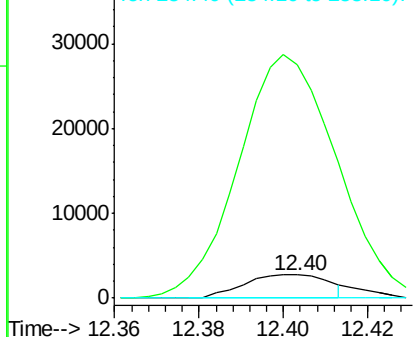


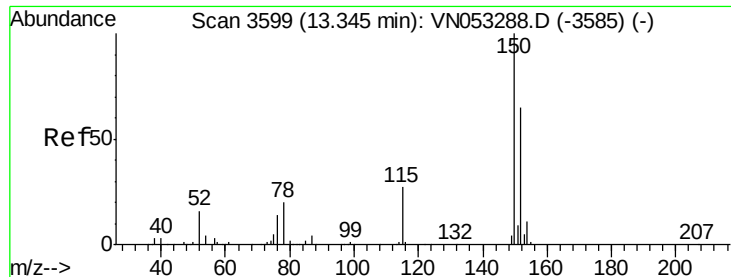
#71
Bromoform
Concen: 0.454 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053324.D
Acq: 9 Jan 2019 17:05

Tgt Ion:173 Resp: 3811
Ion Ratio Lower Upper
173 100
175 1085.8 24.3 72.8#
254 0.0 0.2 0.2#



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: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB116248ZHE#17

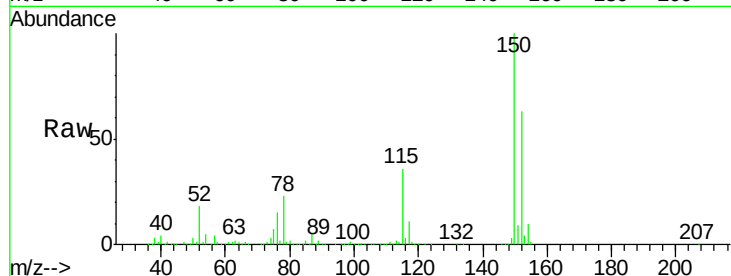
Tot Ion:152 Resp: 619907

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

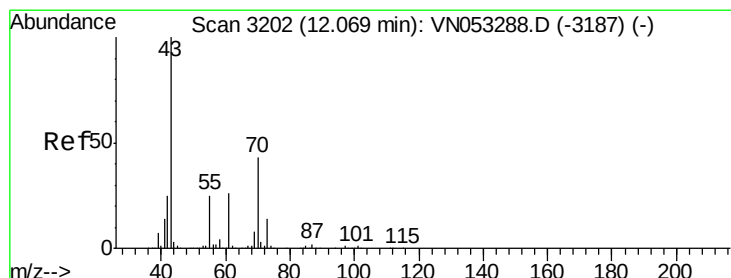
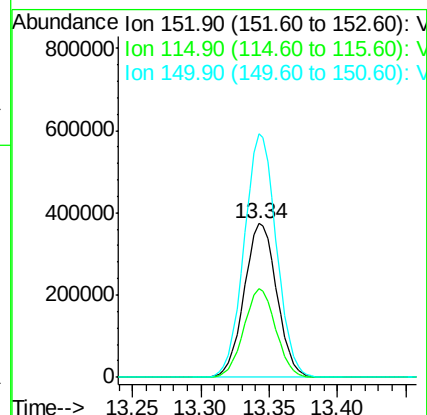
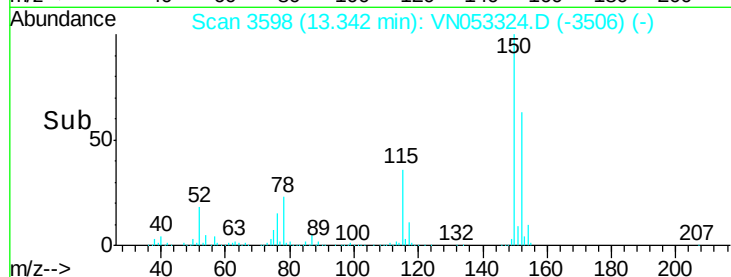
150 156.7 0.0 346.6



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: 2.948 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Tgt Ion: 43 Resp: 40630

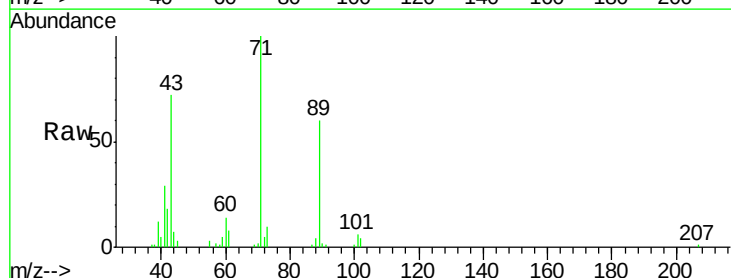
Ion Ratio Lower Upper

43 100

70 2.1 35.0 52.6#

55 4.3 20.0 30.0#

61 10.4 20.3 30.5#

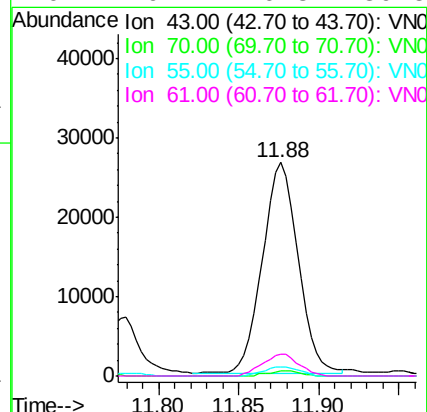
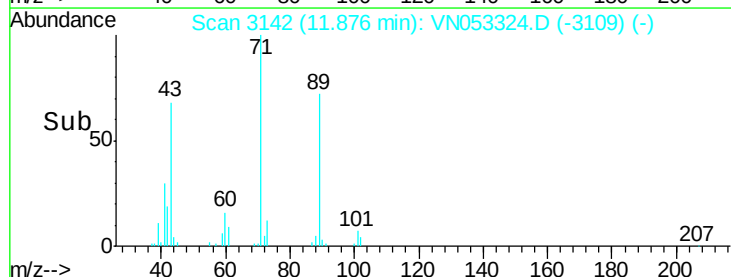


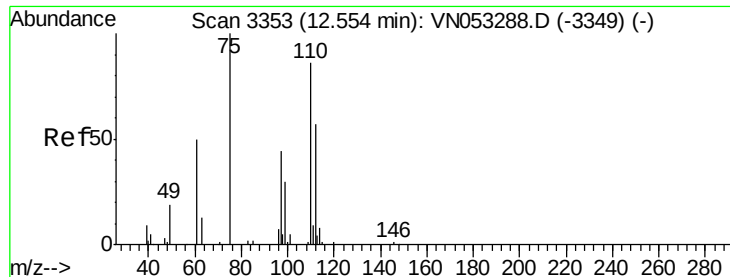
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

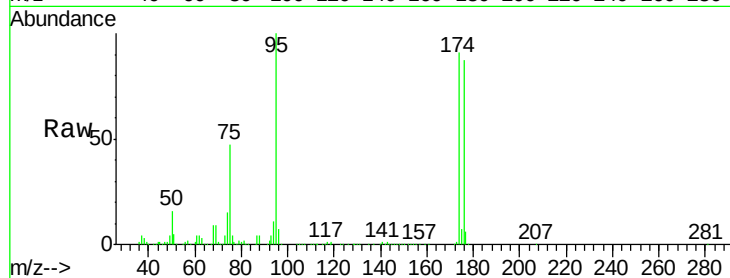
PB116248ZHE#17

Tot Ion: 75 Resp: 330290

Ion Ratio Lower Upper

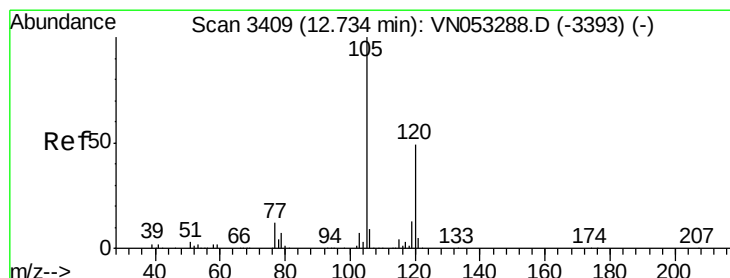
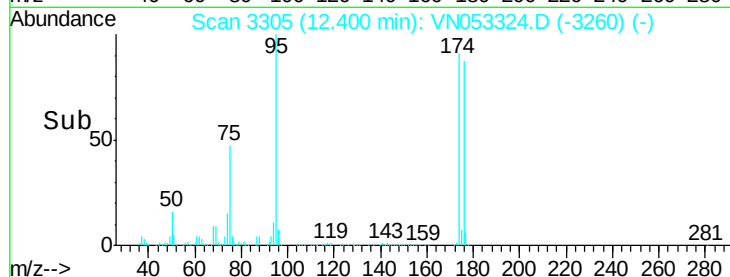
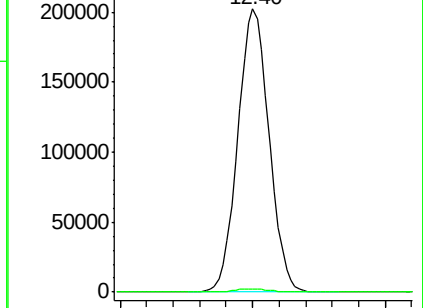
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.706 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053324.D

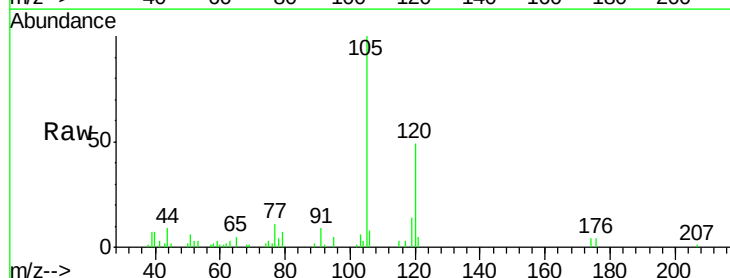
Acq: 9 Jan 2019 17:05

Tgt Ion: 105 Resp: 26232

Ion Ratio Lower Upper

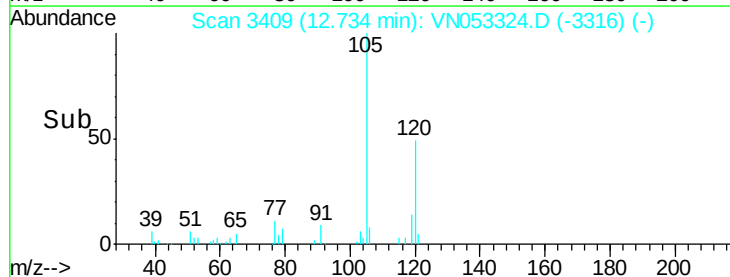
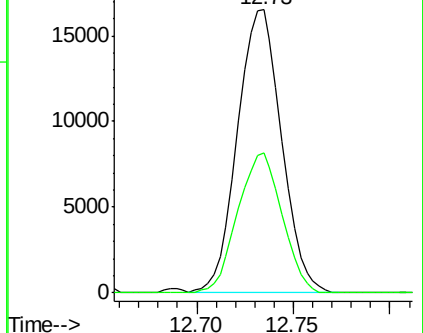
105 100

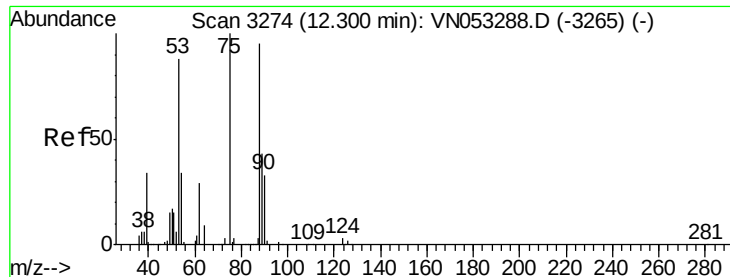
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.477 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053324.D

Acq: 9 Jan 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB116248ZHE#17

Tot Ion: 75 Resp: 330290

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#

