

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051991.D
 Acq On : 24 Oct 2018 16:40
 Operator : MD\SY
 Sample : PB114120ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114120ZHE#07

Quant Time: Oct 25 01:47:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1079949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1583876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1490293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	652756	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	561206	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	
35) Dibromofluoromethane	7.59	113	585895	57.97	ug/l	0.00
Spiked Amount			Recovery	=	115.94%	
50) Toluene-d8	10.09	98	2157637	59.08	ug/l	0.00
Spiked Amount			Recovery	=	118.16%	
62) 4-Bromofluorobenzene	12.40	95	683762	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

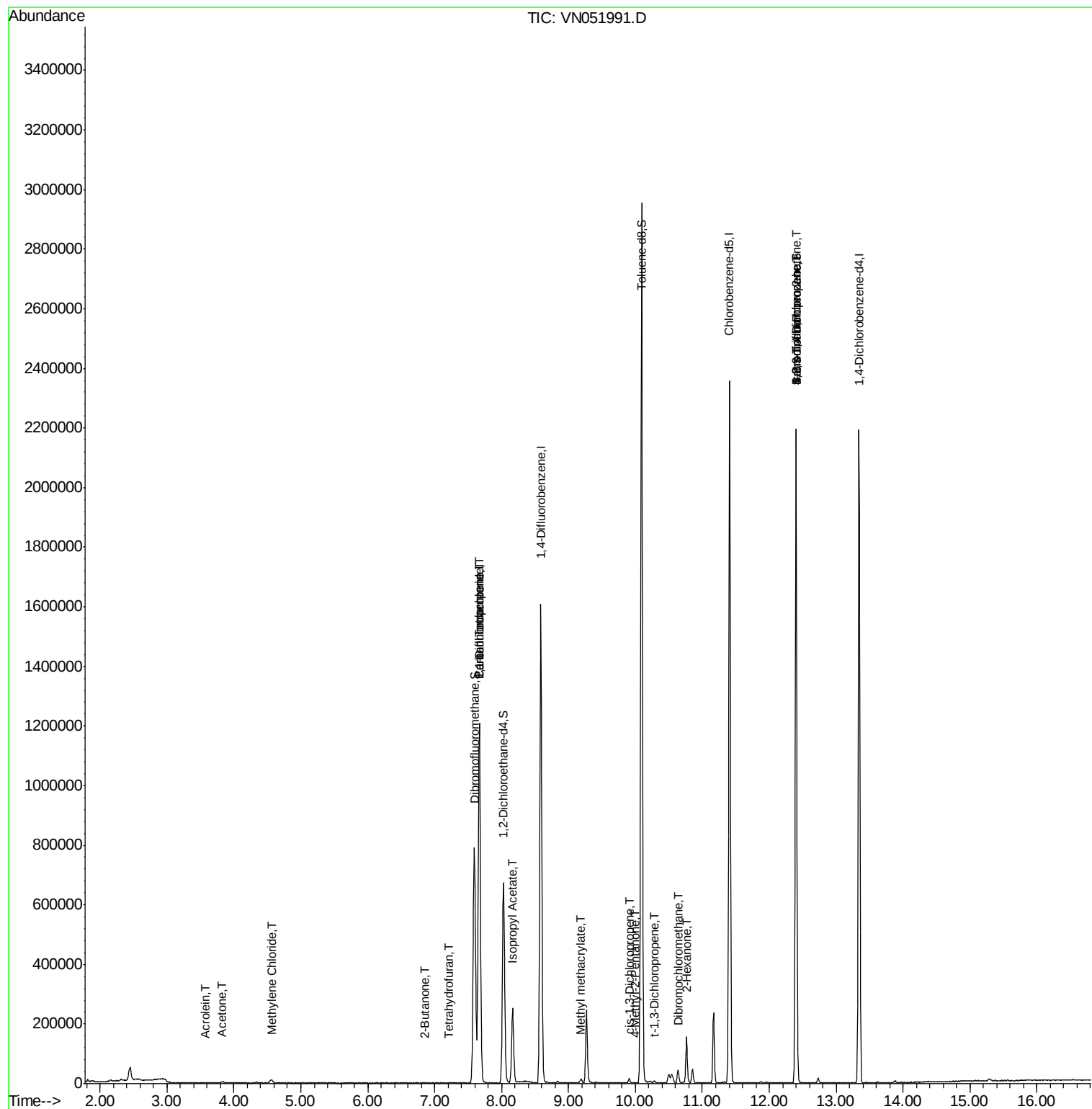
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	105	37.584	ug/l #	14
16) Acetone	3.82	43	8146	5.140	ug/l	99
18) Methyl Acetate	4.34	43	4710	Below Cal		99
20) Methylene Chloride	4.55	84	4929	0.530	ug/l	94
25) 2-Butanone	6.84	43	540	0.239	ug/l #	39
29) Tetrahydrofuran	7.21	42	525	0.343	ug/l #	26
31) Cyclohexane	7.67	56	16797	Below Cal	#	37
36) 1,1-Dichloropropene	7.67	75	64407	5.301	ug/l #	41
37) Ethyl Acetate	6.92	43	673	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	97180	6.967	ug/l #	16
43) Isopropyl Acetate	8.17	43	270161	26.551	ug/l	99
48) Methyl methacrylate	9.18	41	5354	1.089	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	1266	0.226	ug/l #	81
53) t-1,3-Dichloropropene	10.29	75	30	1.246	ug/l #	65
54) cis-1,3-Dichloropropene	9.91	75	3436	0.265	ug/l #	71
59) 2-Hexanone	10.76	43	19597	5.211	ug/l #	51
60) Dibromochloromethane	10.64	129	222	1.996	ug/l #	11
71) Bromoform	12.40	173	5836	4.368	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	334008	49.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	334008	155.728	ug/l #	12

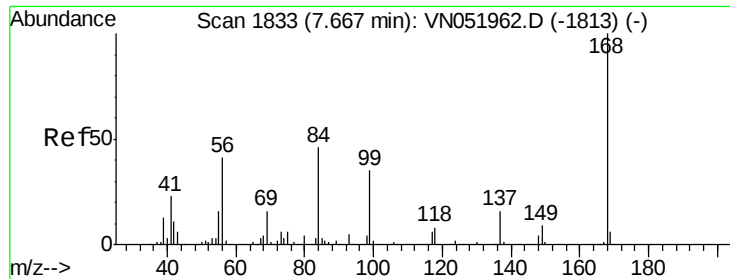
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

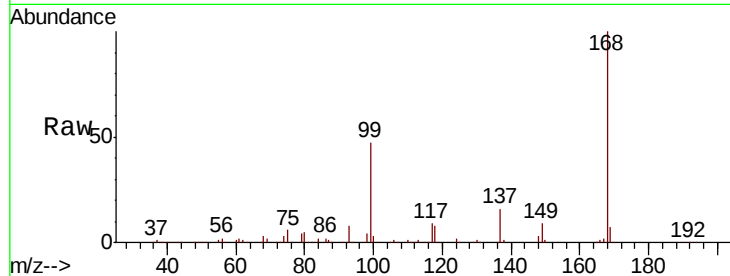
PB114120ZHE#07

Tot Ion:168 Resp: 1079949

Ion Ratio Lower Upper

168 100

99 46.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

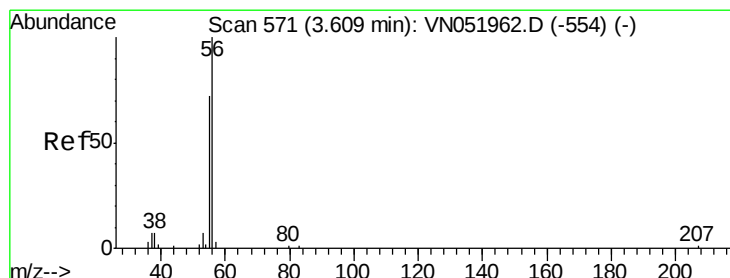
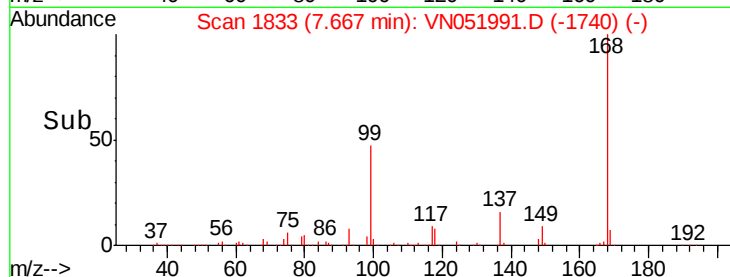
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 37.584 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.03 min

Lab File: VN051991.D

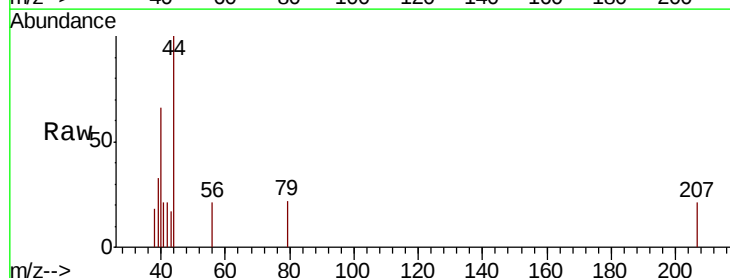
Acq: 24 Oct 2018 16:40

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)

3.58

200

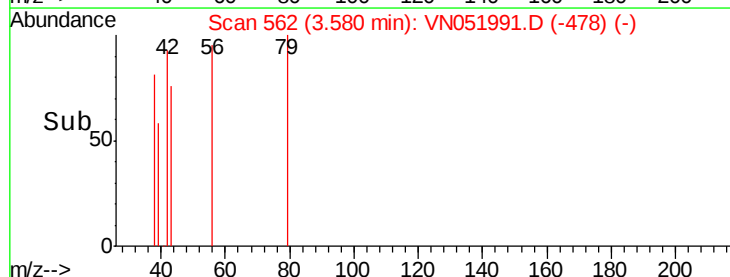
150

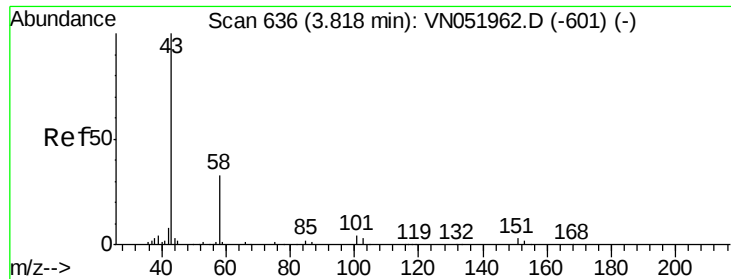
100

50

0

Time-->





#16

Acetone

Concen: 5.140 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

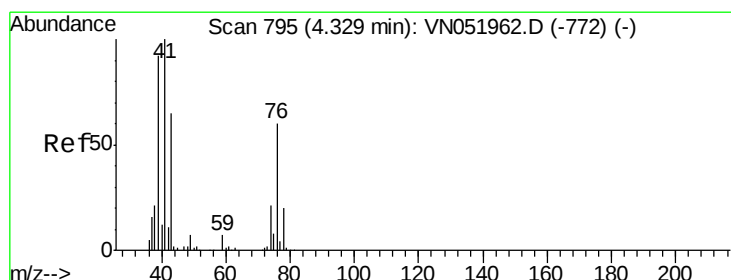
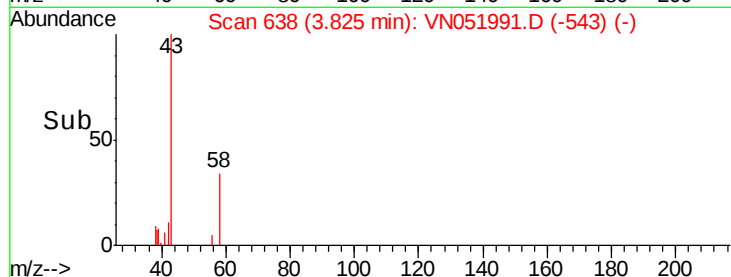
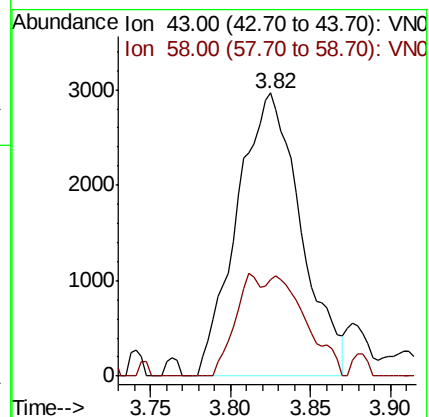
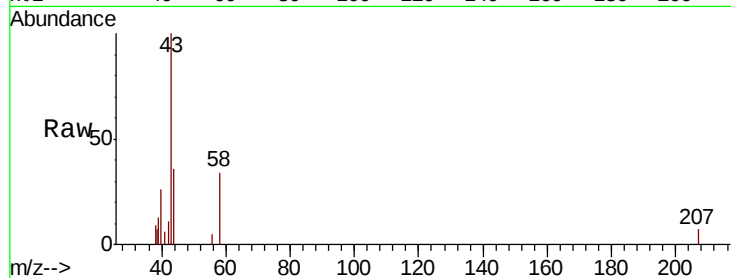
PB114120ZHE#07

Tot Ion: 43 Resp: 8146

Ion Ratio Lower Upper

43 100

58 34.2 26.7 40.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051991.D

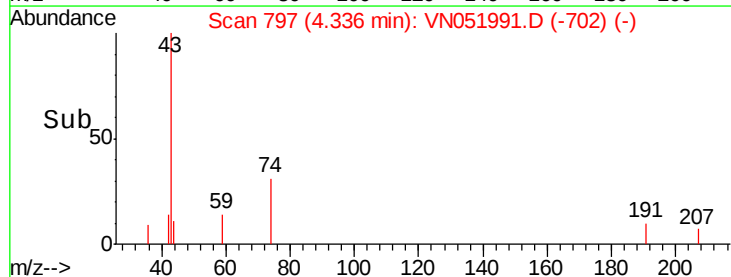
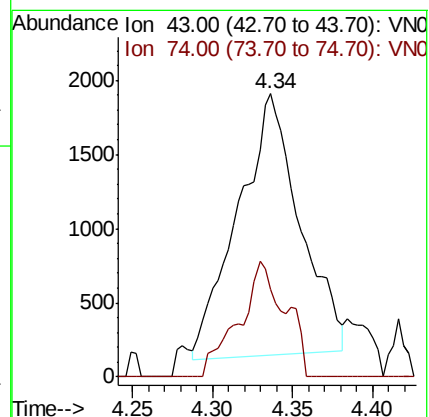
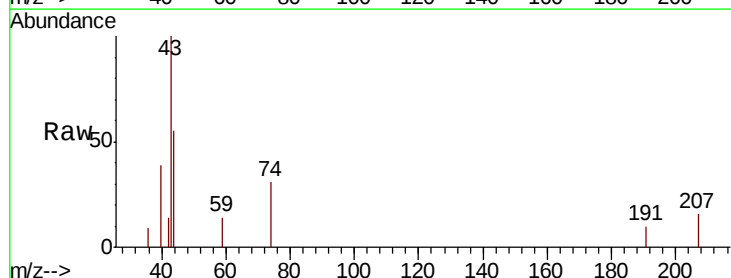
Acq: 24 Oct 2018 16:40

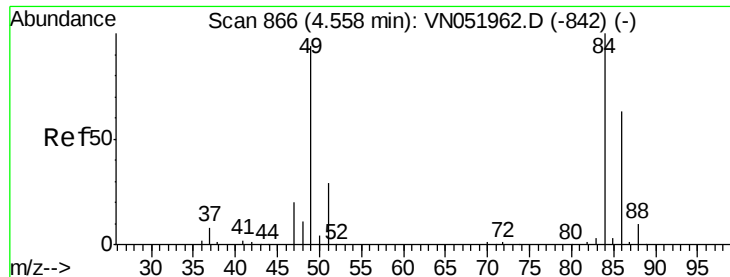
Tgt Ion: 43 Resp: 4710

Ion Ratio Lower Upper

43 100

74 32.5 25.7 38.5



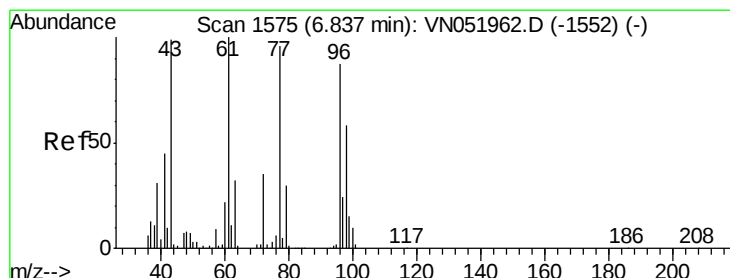
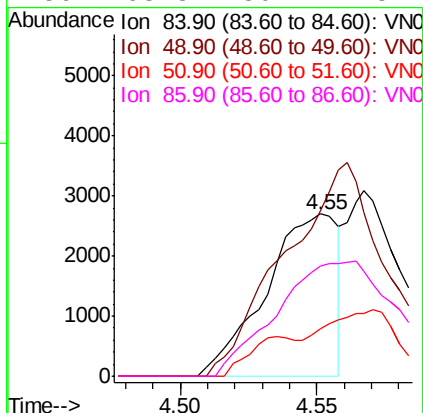
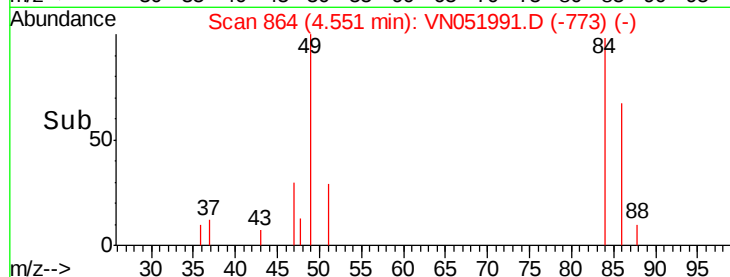
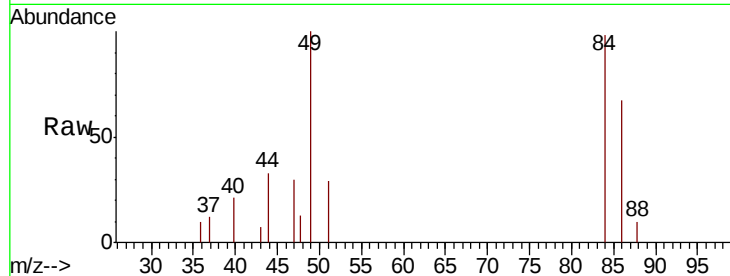


#20
Methvlene Chloride
Concen: 0.530 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB114120ZHE#07

Tot Ion: 84 Resp: 4929

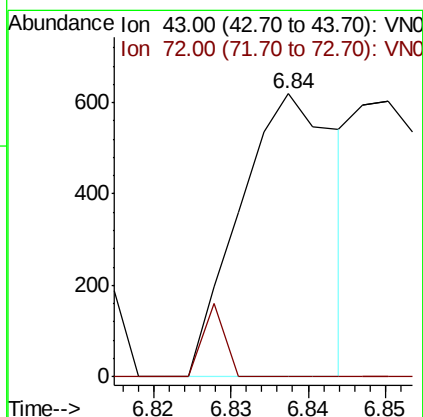
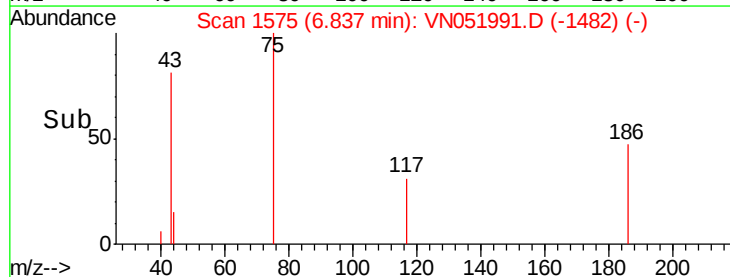
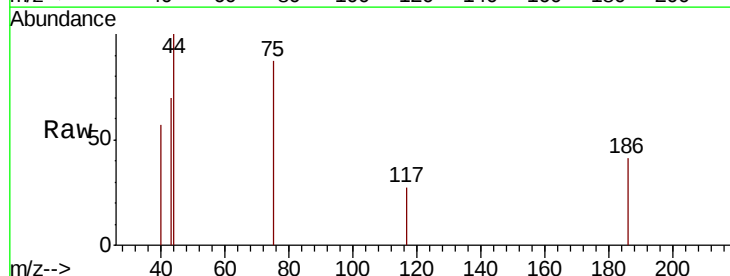
Ion	Ratio	Lower	Upper
84	100		
49	101.6	75.4	113.0
51	29.6	23.1	34.7
86	68.3	50.2	75.4

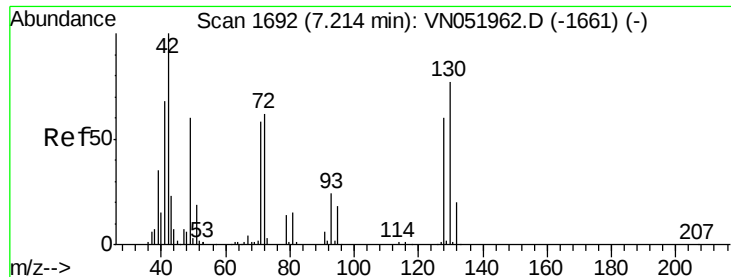


#25
2-Butanone
Concen: 0.239 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

Tgt Ion: 43 Resp: 540

Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.5	42.7#

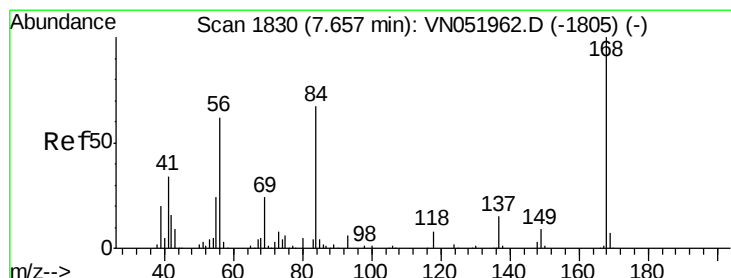
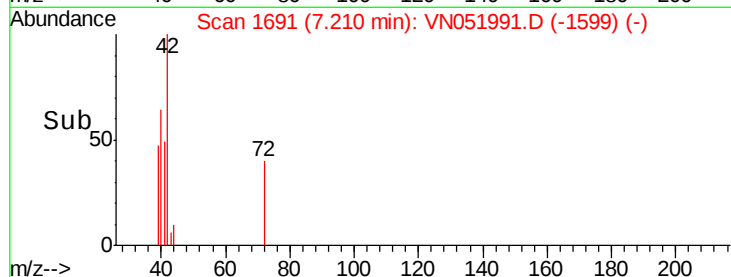
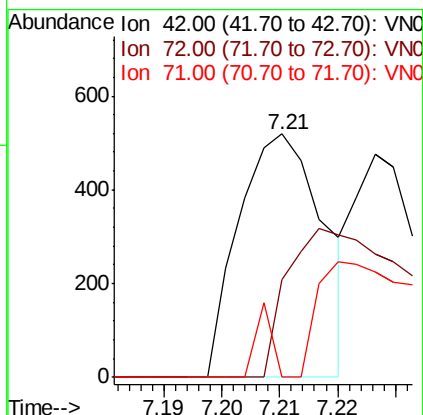
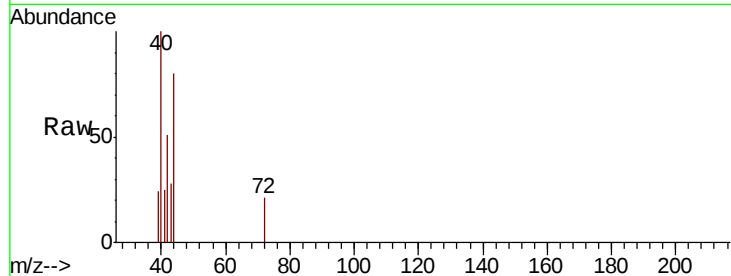




#29
Tetrahydrofuran
Concen: 0.343 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

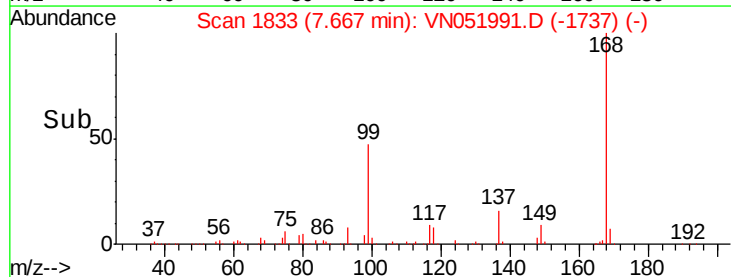
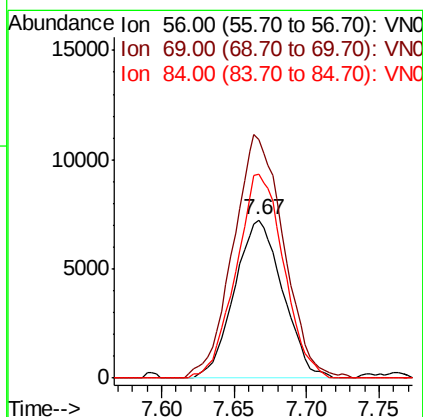
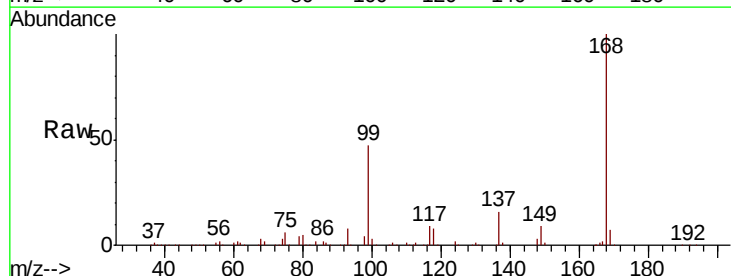
Instrument :
MSVOA_N
ClientSampleId :
PB114120ZHE#07

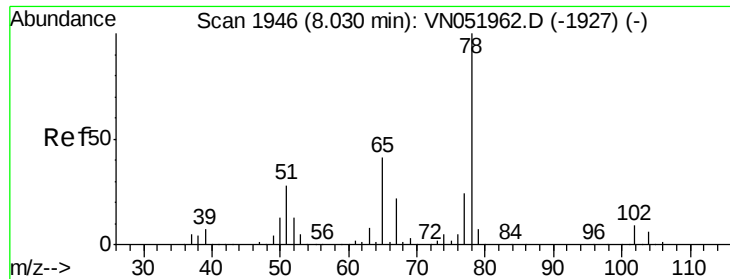
Tot Ion: 42 Resp: 525
Ion Ratio Lower Upper
42 100
72 0.0 47.5 71.3#
71 5.9 45.4 68.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

Tgt Ion: 56 Resp: 16797
Ion Ratio Lower Upper
56 100
69 149.2 31.2 46.8#
84 129.3 86.3 129.5

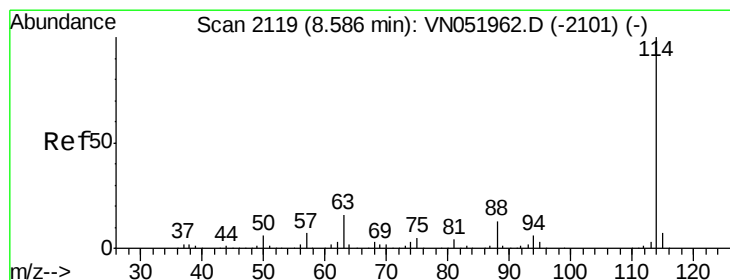
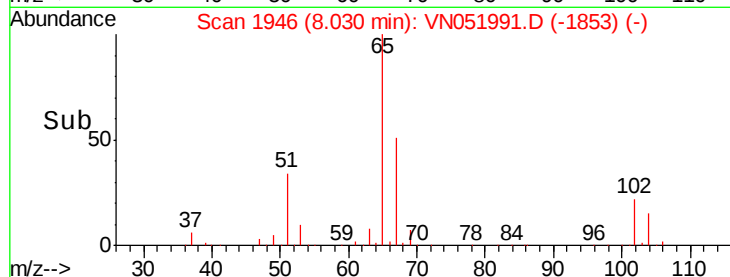
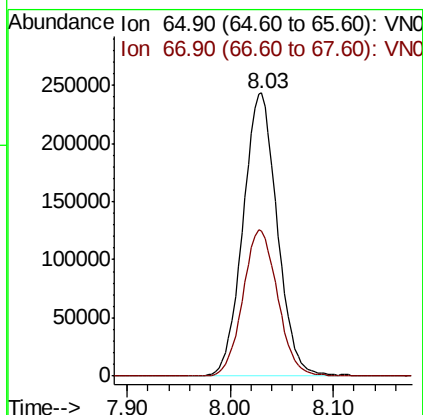
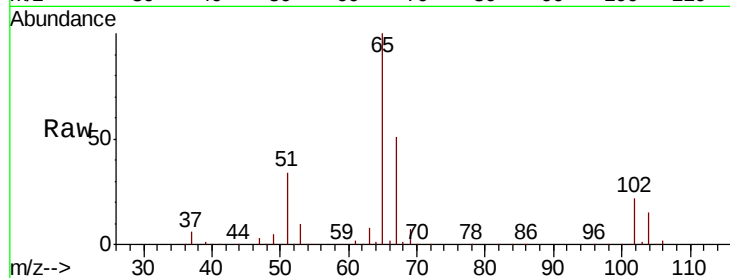




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

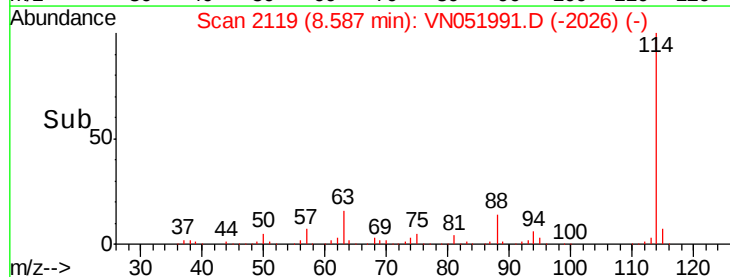
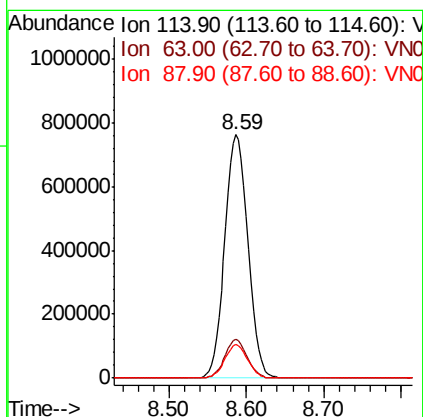
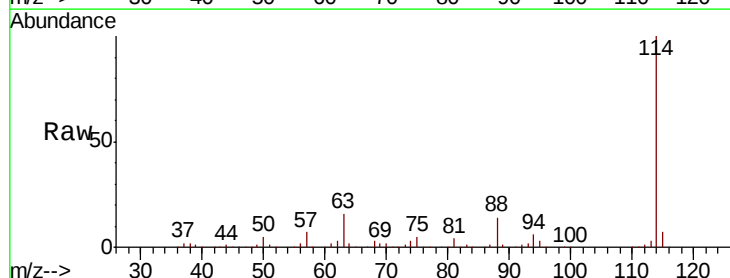
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 PB114120ZHE#07

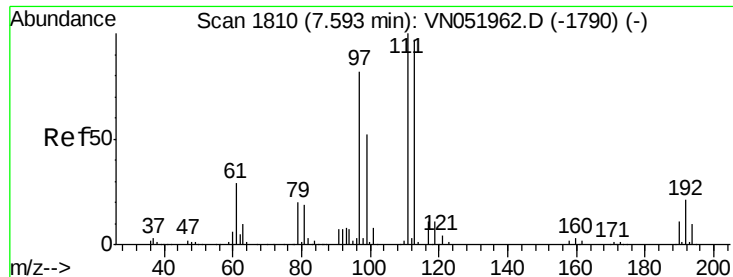
Tot Ion: 65 Resp: 561206
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

Tgt Ion: 114 Resp: 1583876
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.2
 88 13.9 0.0 27.0

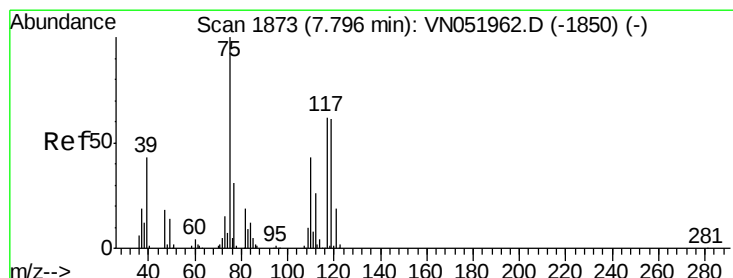
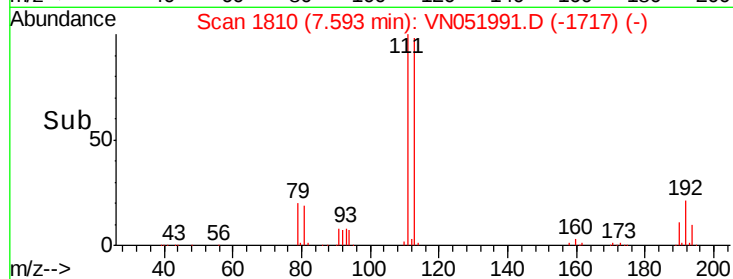
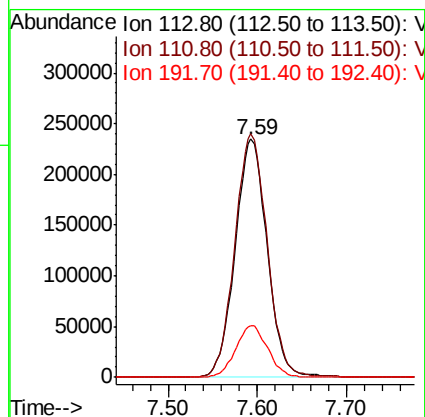
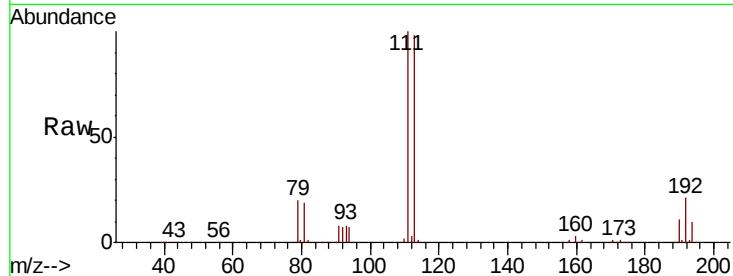




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

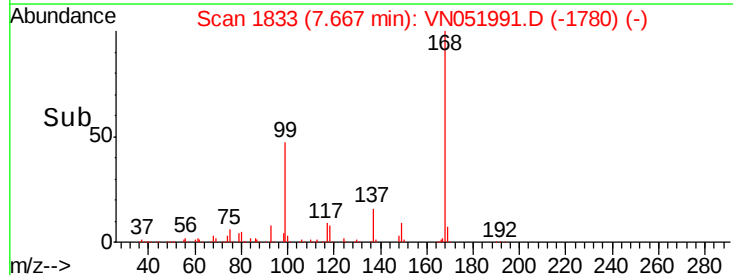
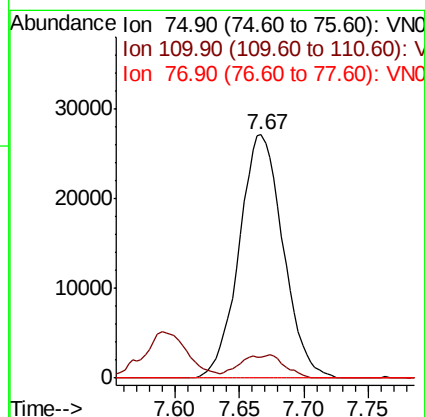
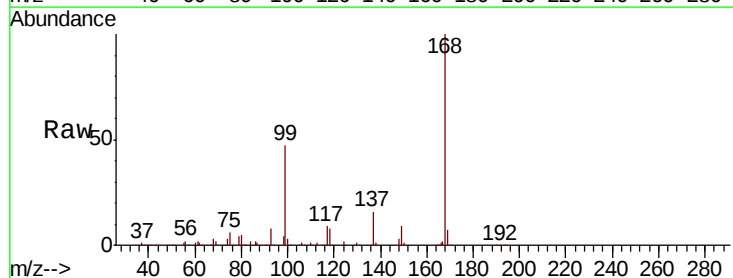
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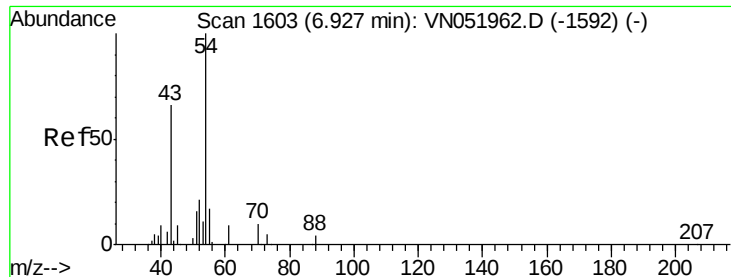
Tot Ion:113 Resp: 585895
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 21.9 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 5.301 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

Tgt Ion: 75 Resp: 64407
 Ion Ratio Lower Upper
 75 100
 110 3.0 20.9 62.8#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.92 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#07

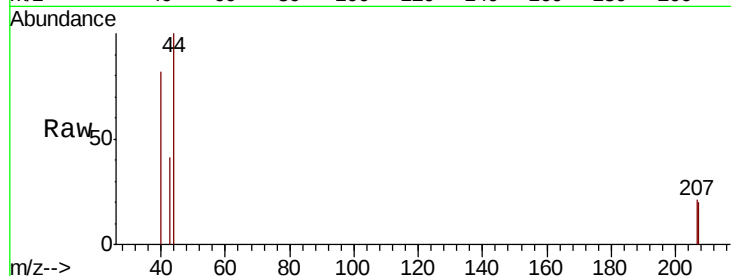
Tot Ion: 43 Resp: 673

Ion Ratio Lower Upper

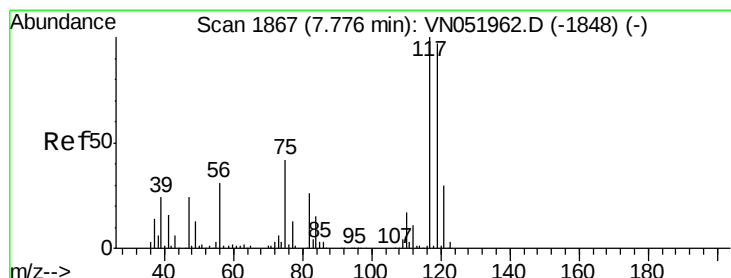
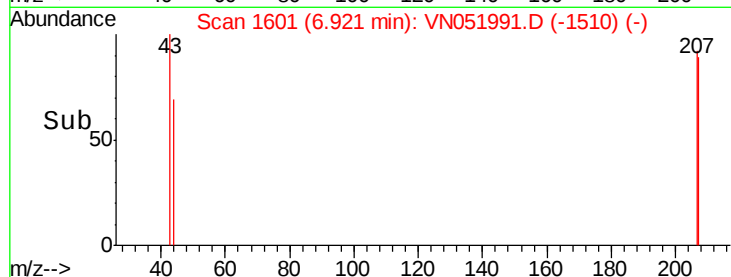
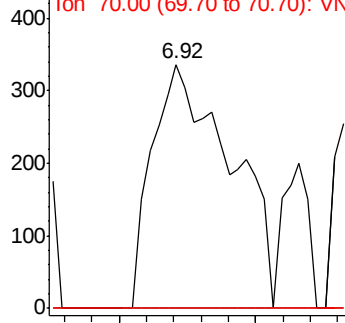
43 100

61 0.0 13.5 20.3#

70 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1592) (-)



#38

Carbon Tetrachloride

Concen: 6.967 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

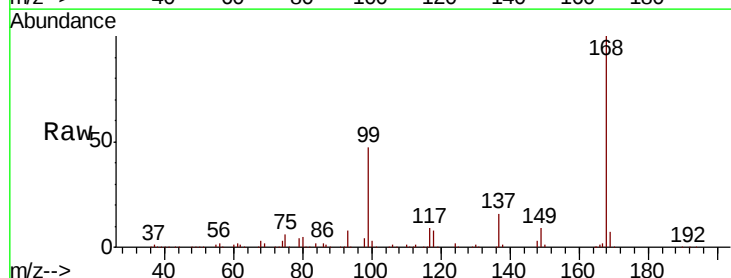
Tgt Ion: 117 Resp: 97180

Ion Ratio Lower Upper

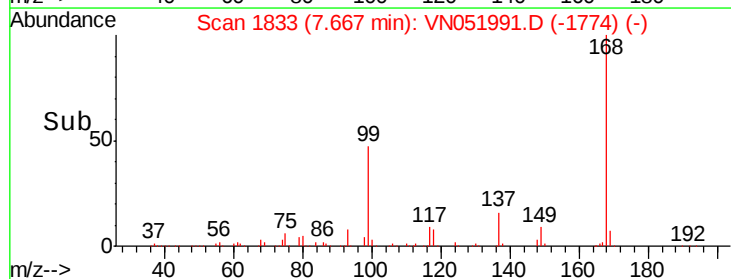
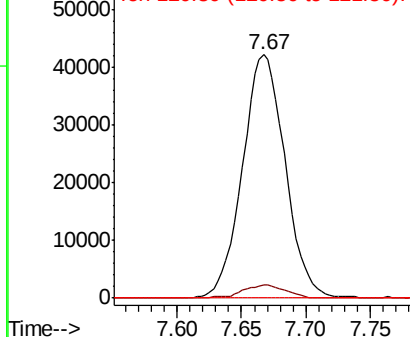
117 100

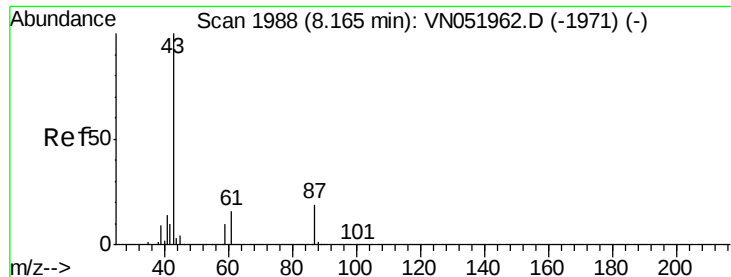
119 5.2 77.4 116.0#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 26.551 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#07

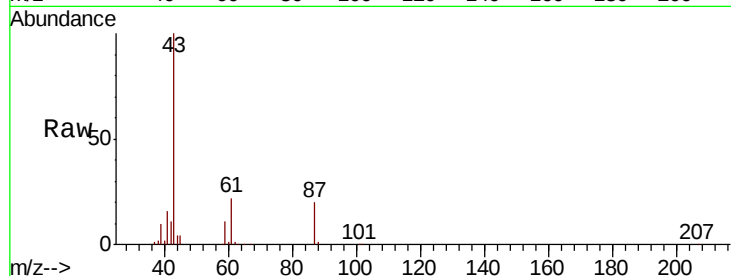
Tot Ion: 43 Resp: 270161

Ion Ratio Lower Upper

43 100

61 22.0 17.2 25.8

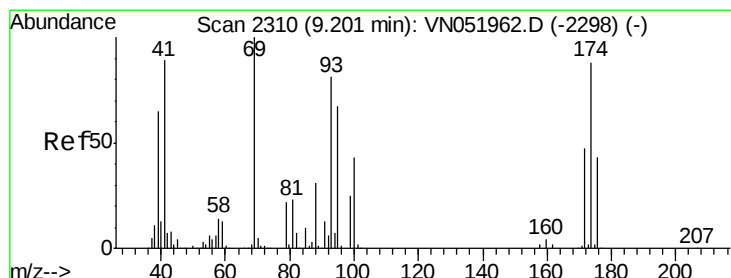
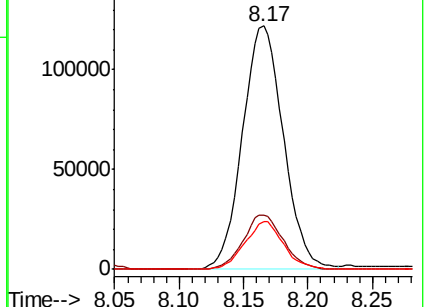
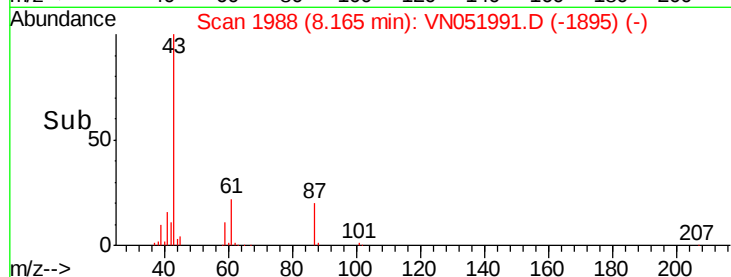
87 18.5 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#48

Methyl methacrylate

Concen: 1.089 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

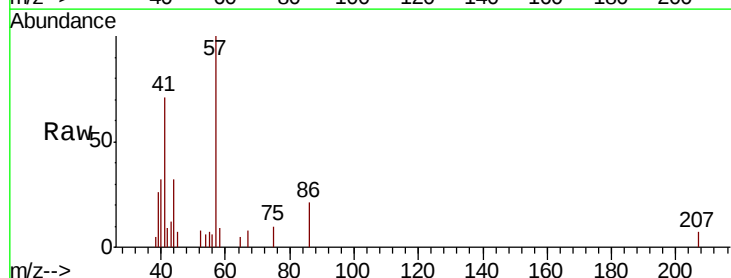
Tgt Ion: 41 Resp: 5354

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

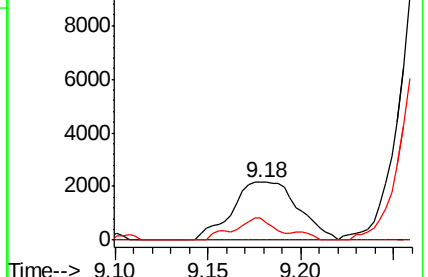
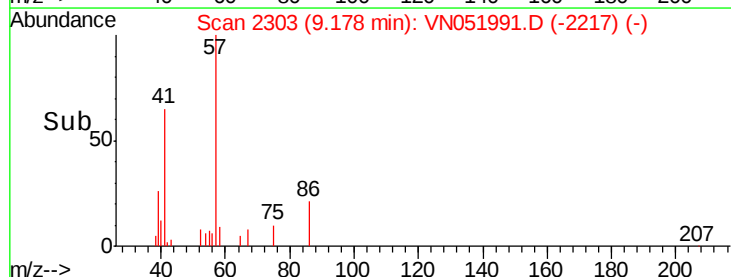
39 23.7 60.2 90.4#

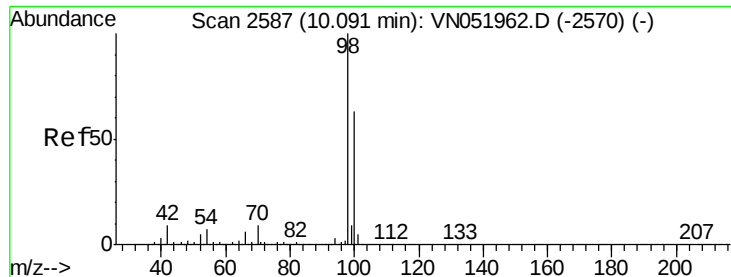


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

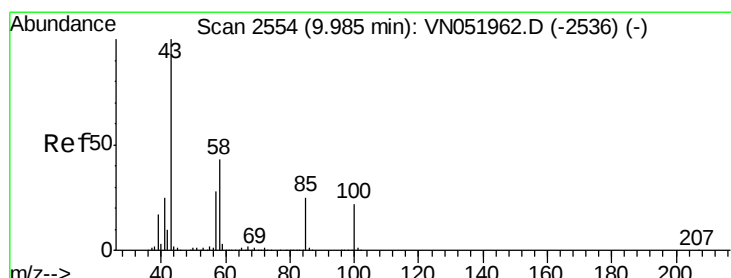
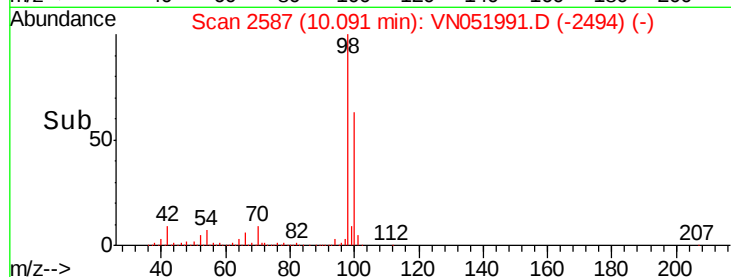
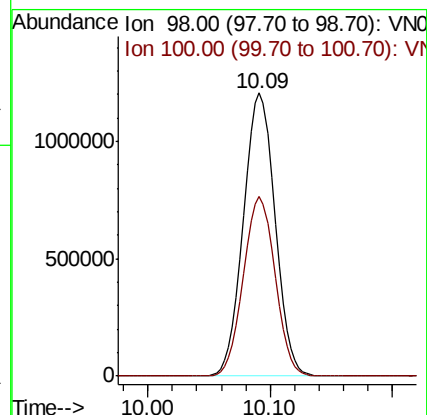
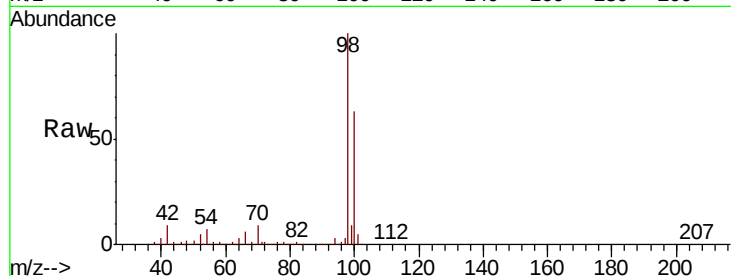
PB114120ZHE#07

Tot Ion: 98 Resp: 2157637

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.226 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051991.D

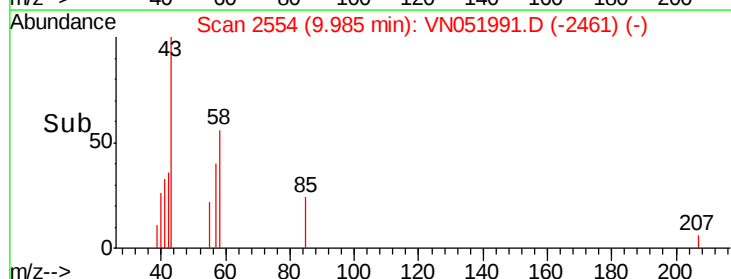
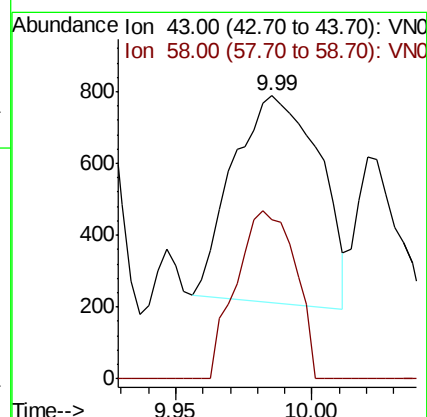
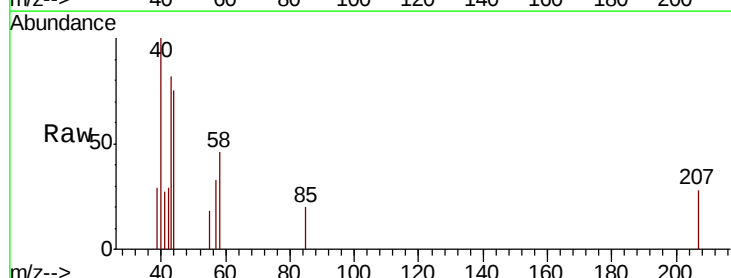
Acq: 24 Oct 2018 16:40

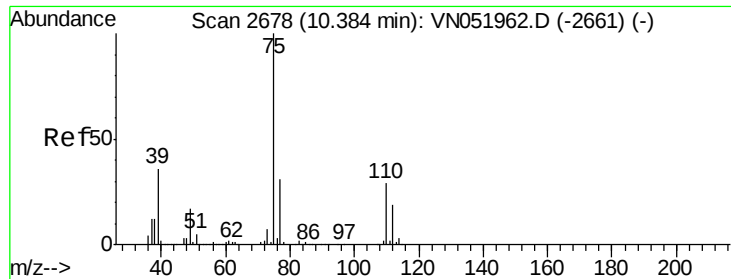
Tgt Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

58 55.6 34.8 52.2#

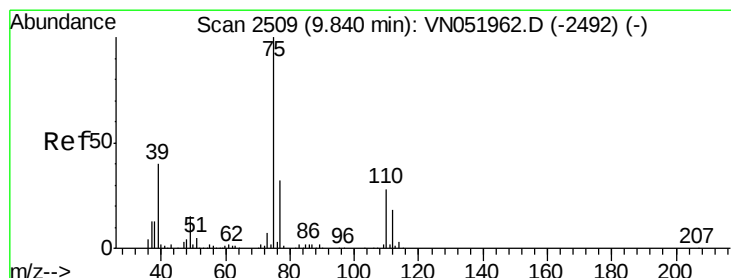
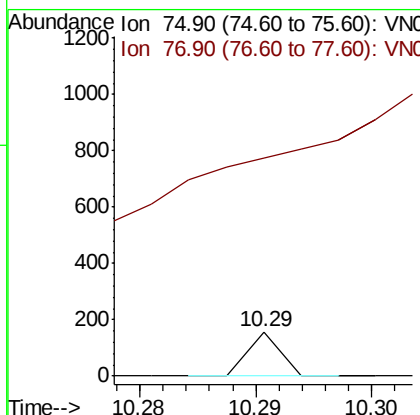
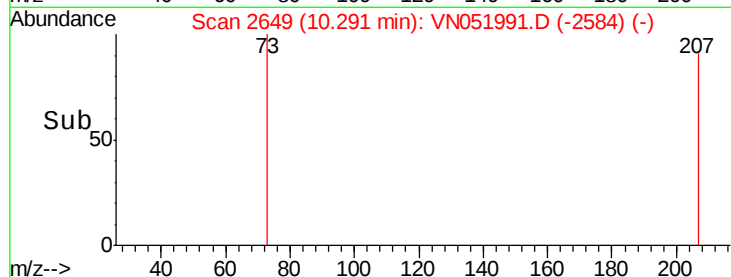
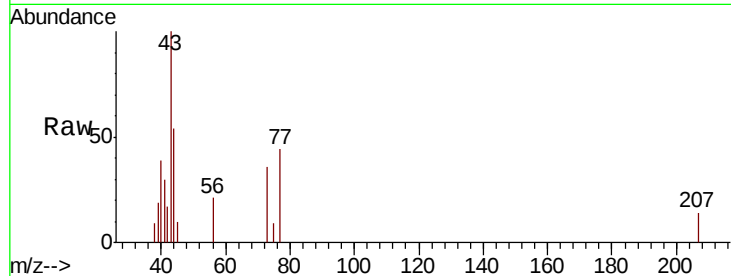




#53
t-1,3-Dichloropropene
Concen: 1.246 ug/l
RT: 10.29 min Scan# 2649
Delta R.T. -0.09 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

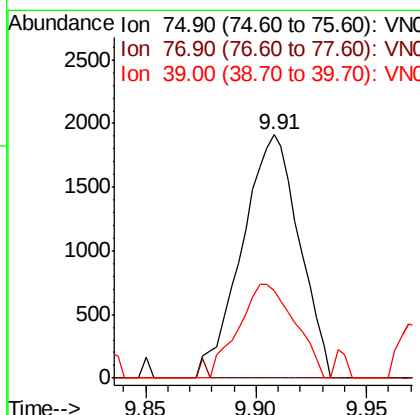
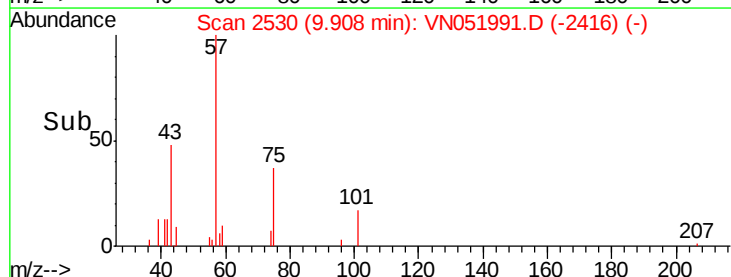
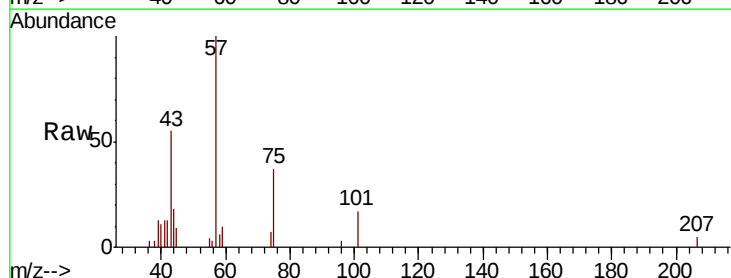
Instrument :
MSVOA_N
ClientSampleId :
PB114120ZHE#07

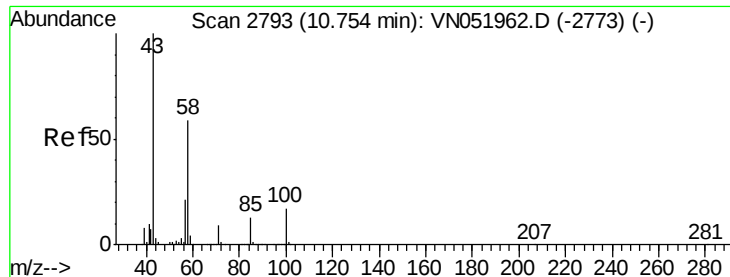
Tot Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 50.3 25.0 37.4#



#54
cis-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 9.91 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

Tgt Ion: 75 Resp: 3436
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 36.2 32.0 48.0





#59

2-Hexanone

Concen: 5.211 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

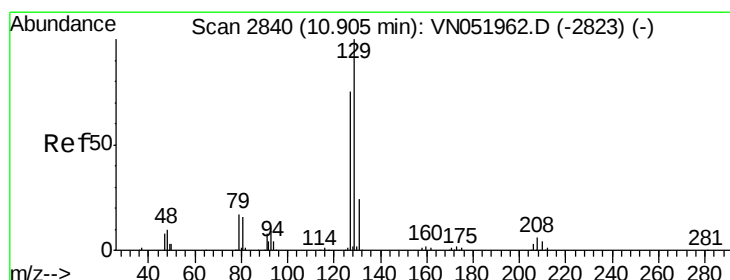
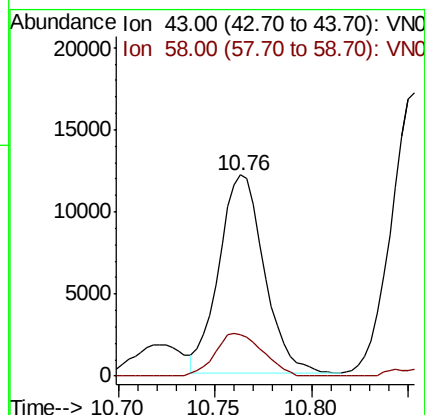
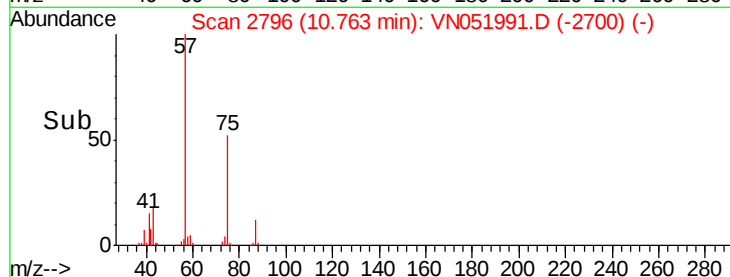
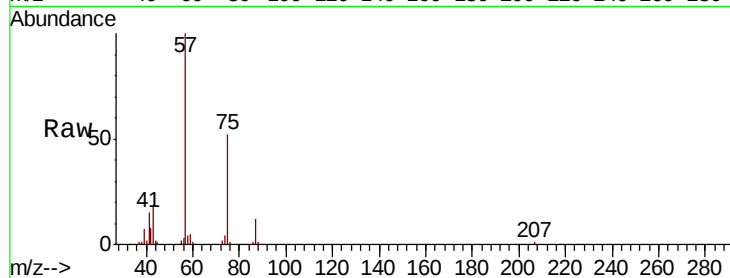
PB114120ZHE#07

Tot Ion: 43 Resp: 19597

Ion Ratio Lower Upper

43 100

58 22.7 29.9 89.8#



#60

Dibromochloromethane

Concen: 1.996 ug/l

RT: 10.64 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN051991.D

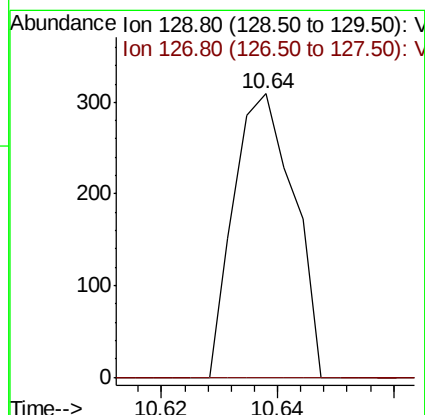
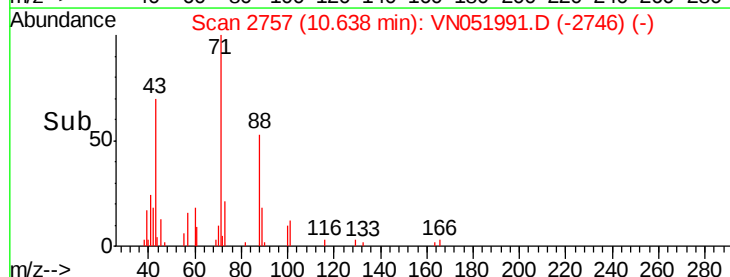
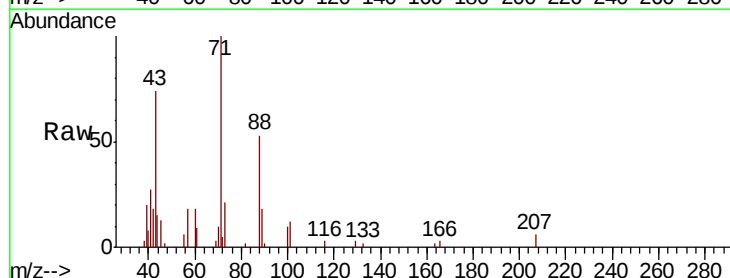
Acq: 24 Oct 2018 16:40

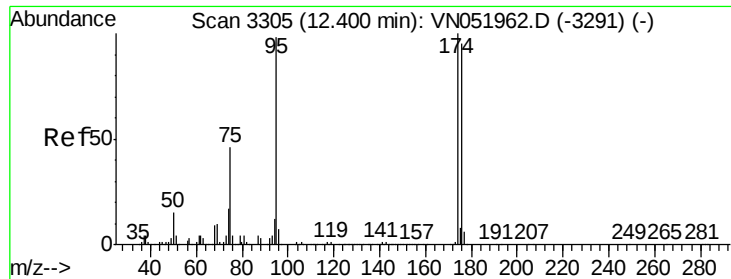
Tgt Ion: 129 Resp: 222

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.0#

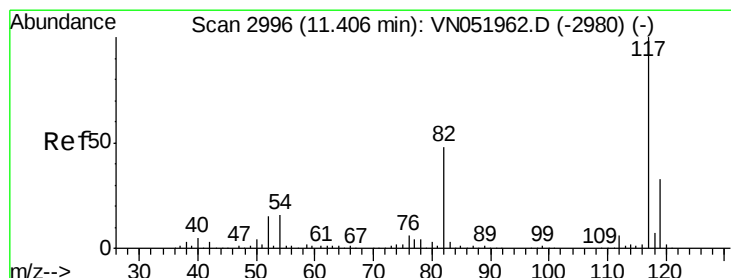
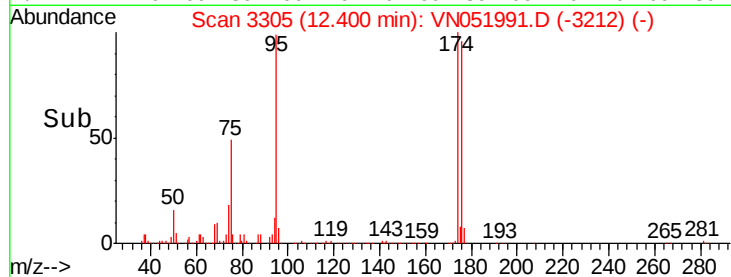
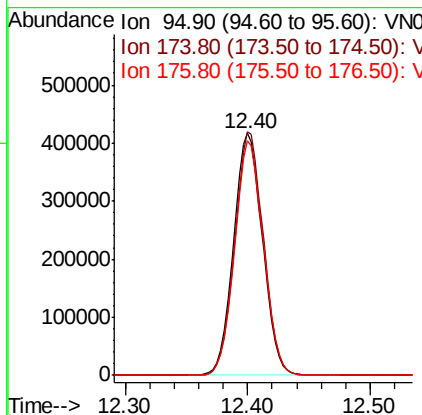
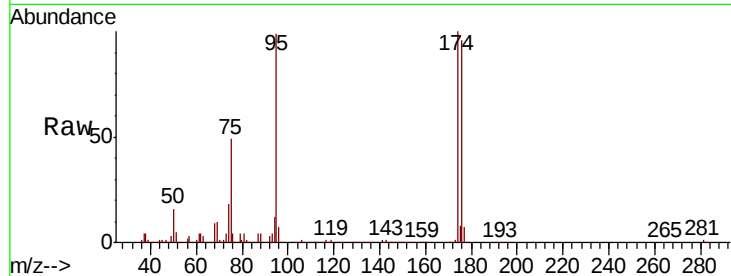




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

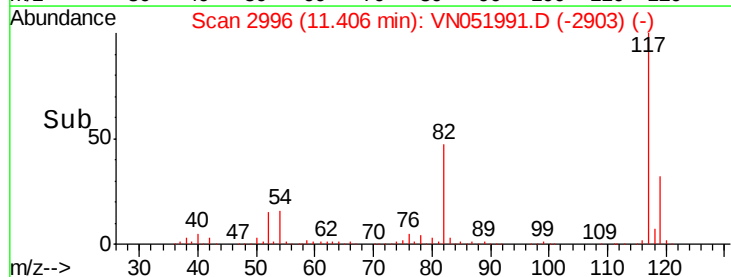
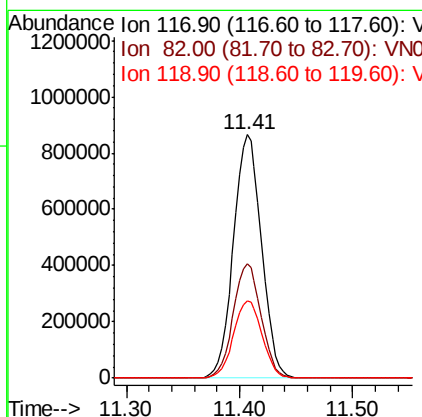
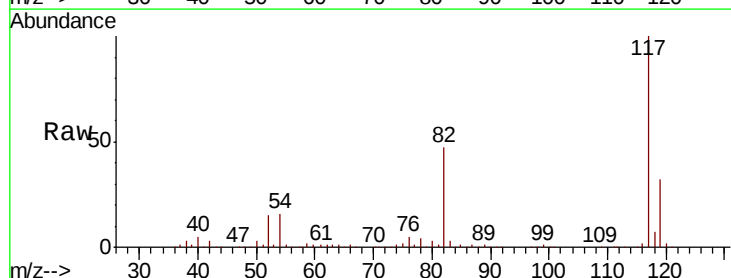
Instrument :
MSVOA_N
ClientSampleId :
PB114120ZHE#07

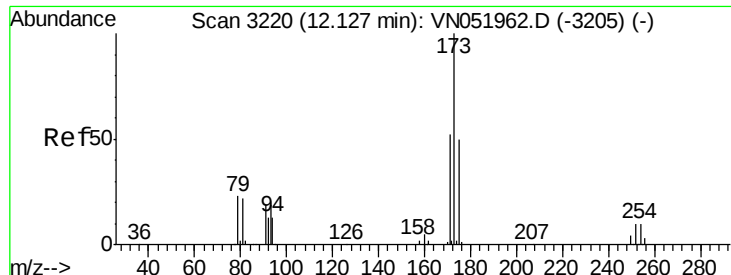
Tot Ion: 95 Resp: 683762
Ion Ratio Lower Upper
95 100
174 99.5 0.0 206.0
176 96.1 0.0 198.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051991.D
Acq: 24 Oct 2018 16:40

Tgt Ion: 117 Resp: 1490293
Ion Ratio Lower Upper
117 100
82 46.7 38.1 57.1
119 31.9 26.4 39.6





#71

Bromoform

Concen: 4.368 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#07

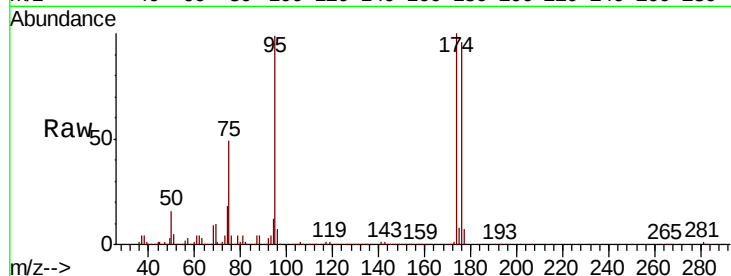
Tot Ion:173 Resp: 5836

Ion Ratio Lower Upper

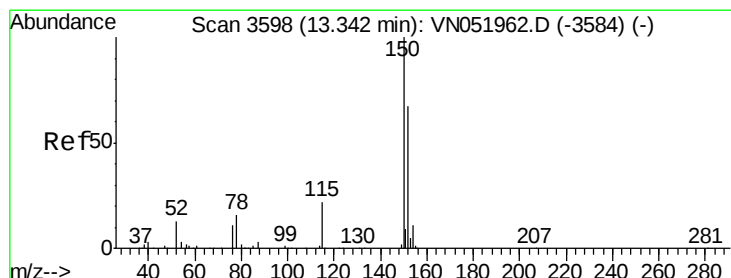
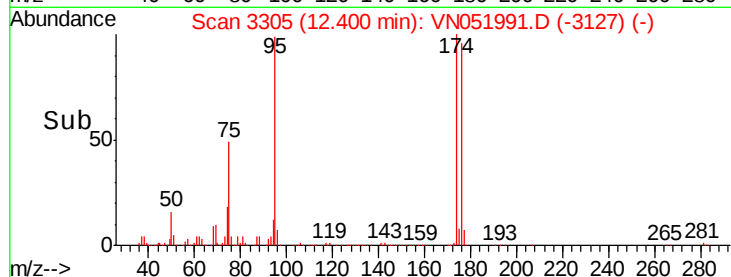
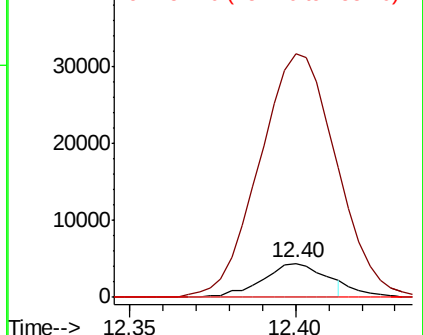
173 100

175 787.7 24.6 74.0#

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051991.D

Acq: 24 Oct 2018 16:40

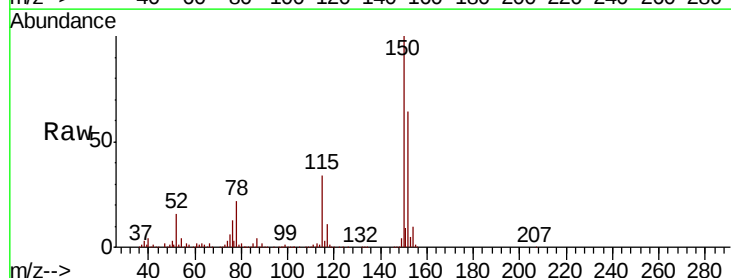
Tgt Ion:152 Resp: 652756

Ion Ratio Lower Upper

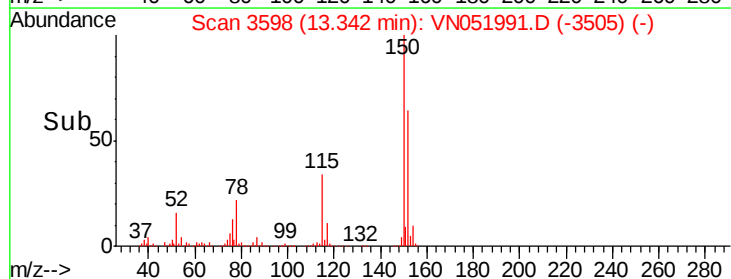
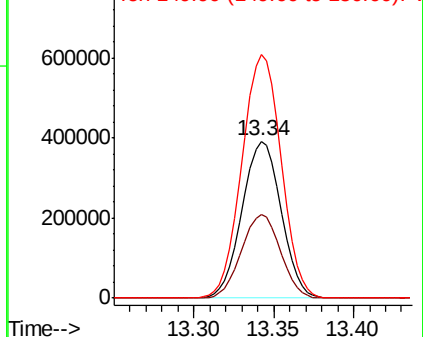
152 100

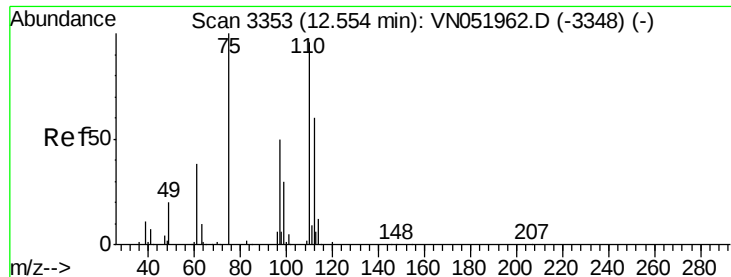
115 53.2 25.8 77.3

150 156.2 0.0 344.4



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

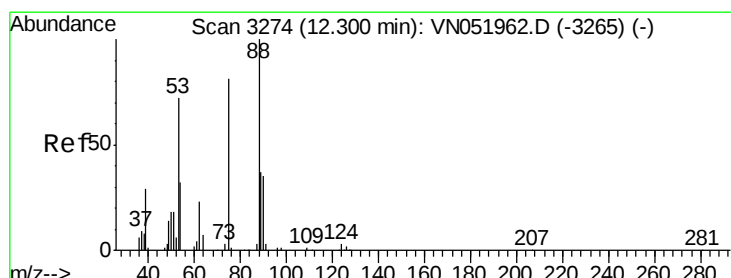
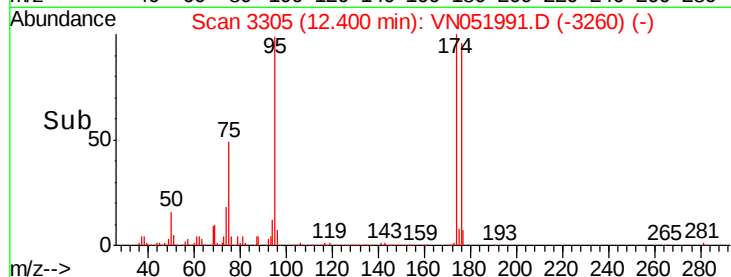
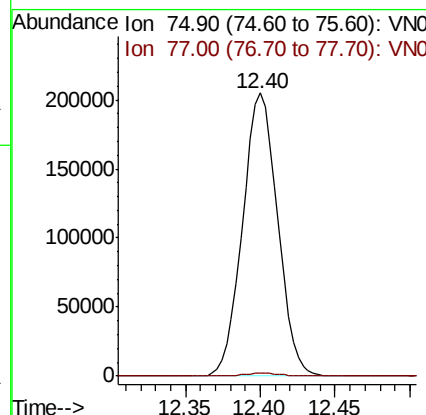
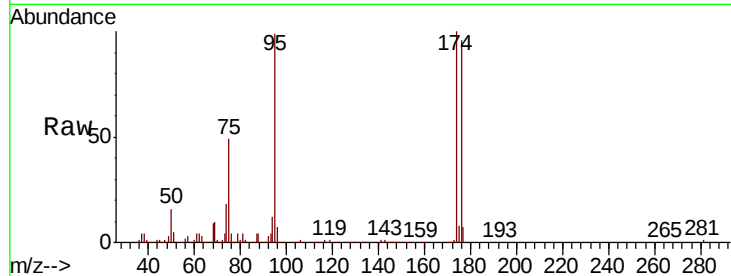




#76
 1,2,3-Trichloropropane
 Concen: 49.537 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114120ZHE#07

Tot Ion: 75 Resp: 334008
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.728 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051991.D
 Acq: 24 Oct 2018 16:40

Tgt Ion: 75 Resp: 334008
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.5 110.3#
 89 0.0 41.6 62.4#

