

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053265.D
 Acq On : 3 Jan 2019 16:31
 Operator : MD\SY
 Sample : PB116111ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116111ZHE#10

Quant Time: Jan 04 00:55:23 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	1148963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1785422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1656717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	624929	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	576406	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	490073	60.09	ug/l	0.00
Spiked Amount						
			Recovery	=	120.18%	
50) Toluene-d8	10.09	98	2214462	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	730752	47.54	ug/l	0.00
Spiked Amount						
			Recovery	=	95.08%	

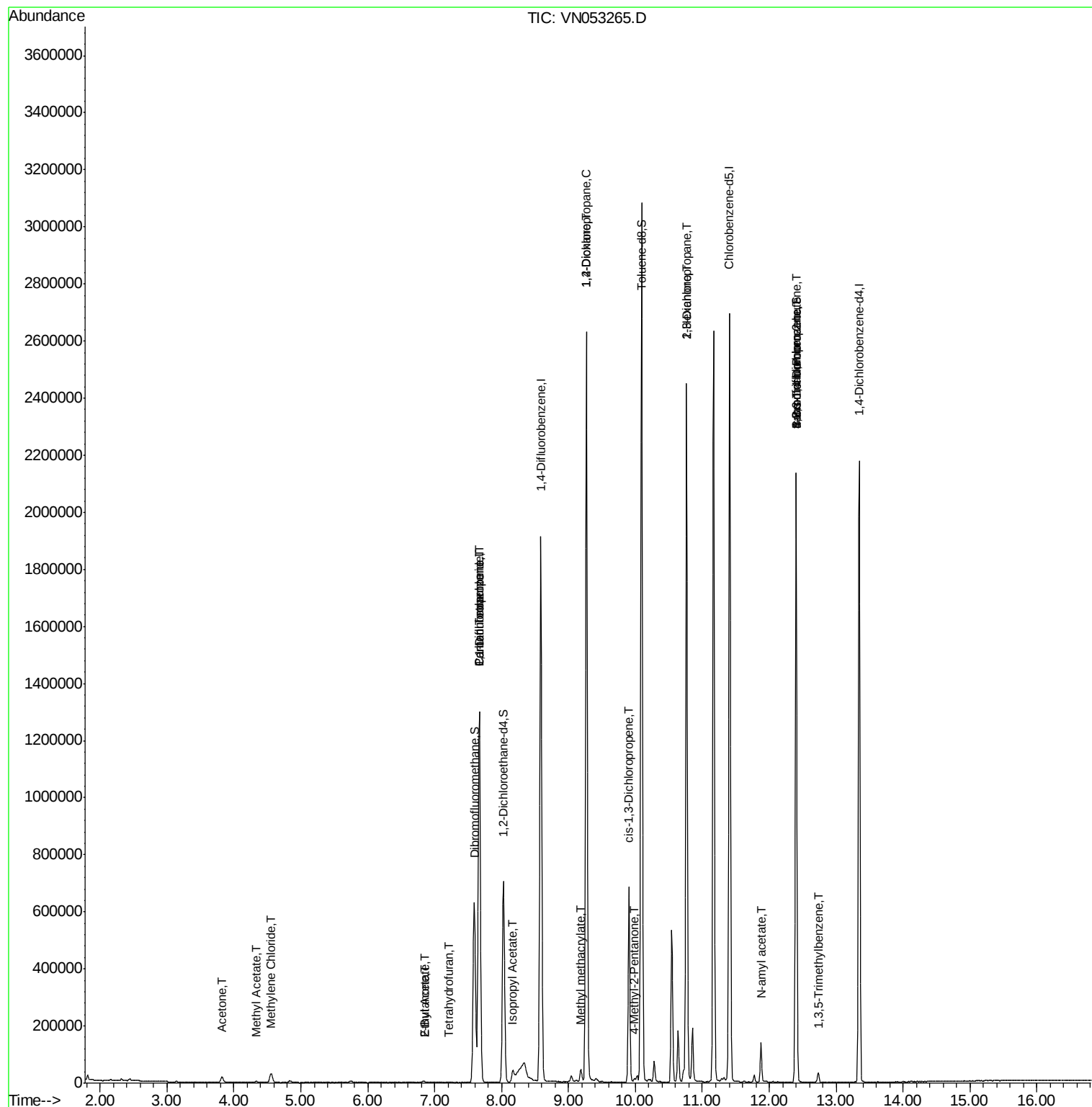
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	33817	14.792	ug/l	99
18) Methyl Acetate	4.33	43	8585	1.803	ug/l #	89
20) Methylene Chloride	4.55	84	24181	1.939	ug/l	94
25) 2-Butanone	6.85	43	4497	1.172	ug/l #	88
29) Tetrahydrofuran	7.22	42	2156	0.752	ug/l #	89
31) Cyclohexane	7.67	56	18731	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	75375	4.398	ug/l #	49
37) Ethyl Acetate	6.85	43	4497	0.470	ug/l #	68
38) Carbon Tetrachloride	7.67	117	99047	6.306	ug/l #	15
43) Isopropyl Acetate	8.17	43	52590	1.834	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	3669	0.276	ug/l #	44
48) Methyl methacrylate	9.18	41	14466	1.558	ug/l #	12
49) 1,4-Dioxane	9.26	88	96	0.818	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	7368	0.795	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	130196	6.561	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	26209	1.387	ug/l #	42
59) 2-Hexanone	10.76	43	344001	54.880	ug/l #	51
71) Bromoform	12.40	173	4780	0.518	ug/l #	1
74) N-amyl acetate	11.88	43	41307	3.043	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	342578	32.564	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16858	0.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	342578	104.959	ug/l #	12

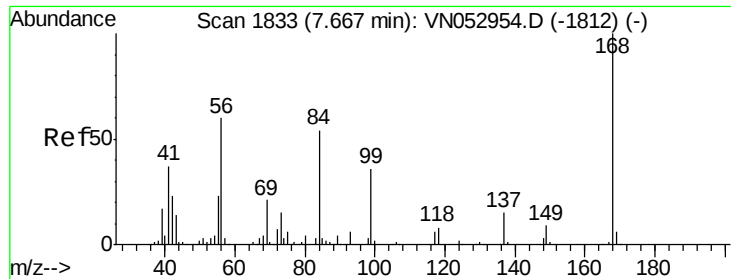
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
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Instrument :
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ClientSampleId :
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Quant Time: Jan 04 00:55:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

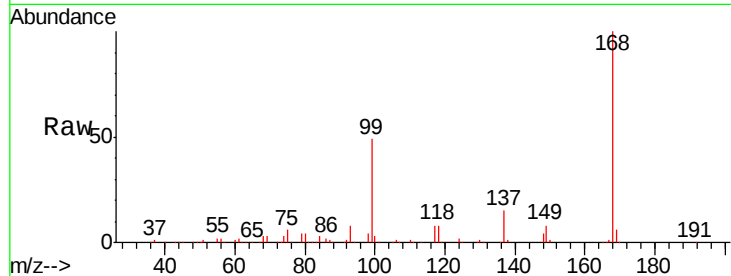
PB116111ZHE#10

Tgt Ion:168 Resp: 1148963

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053265.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053265.D (-1740) (-)

7.67

500000

400000

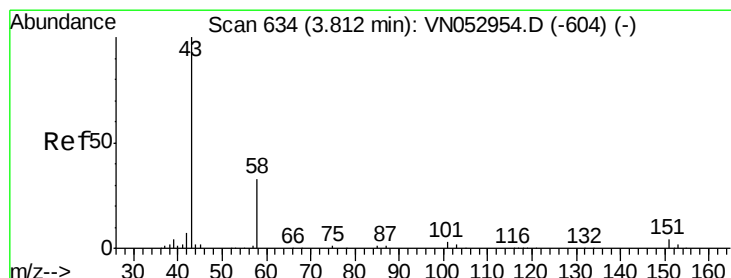
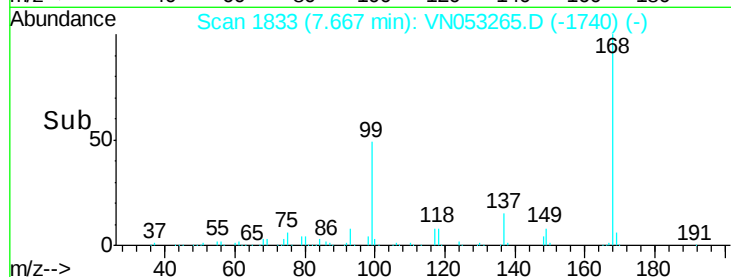
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 14.792 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053265.D

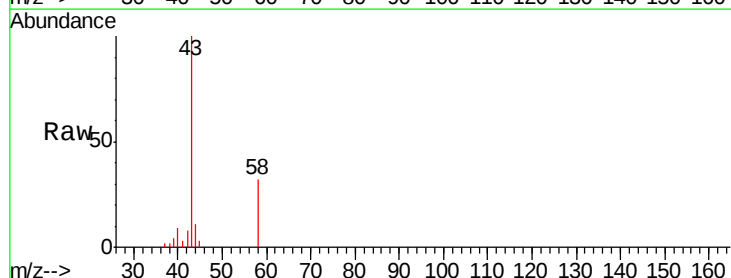
Acq: 3 Jan 2019 16:31

Tgt Ion: 43 Resp: 33817

Ion Ratio Lower Upper

43 100

58 32.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053265.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053265.D (-541) (-)

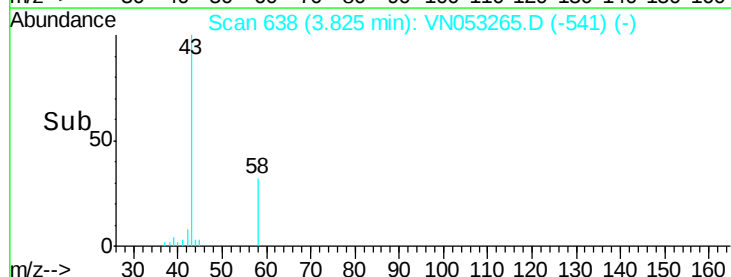
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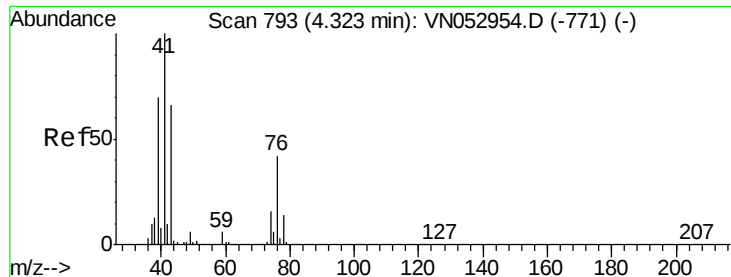
10000

5000

0

Time-->

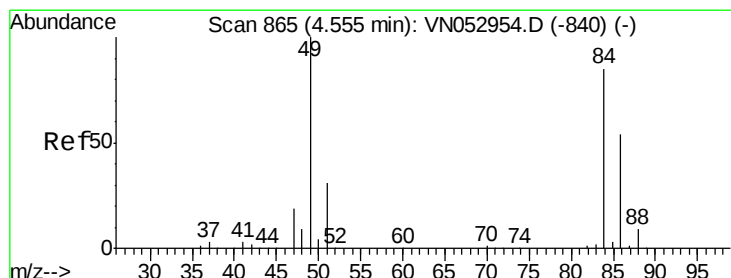
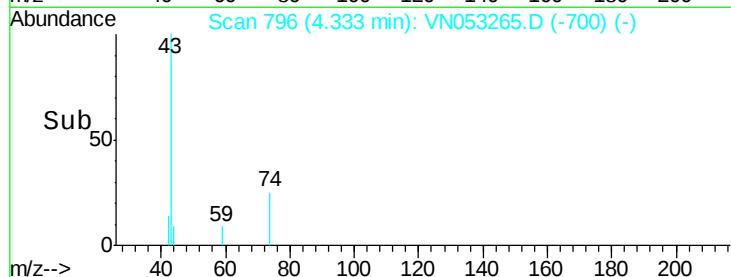
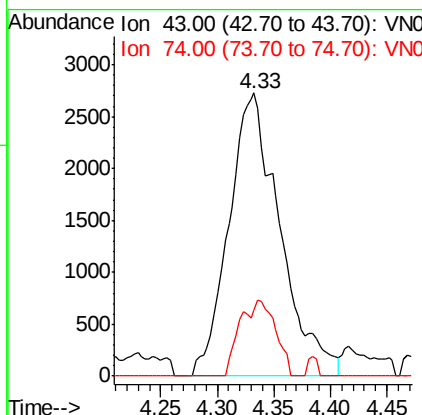
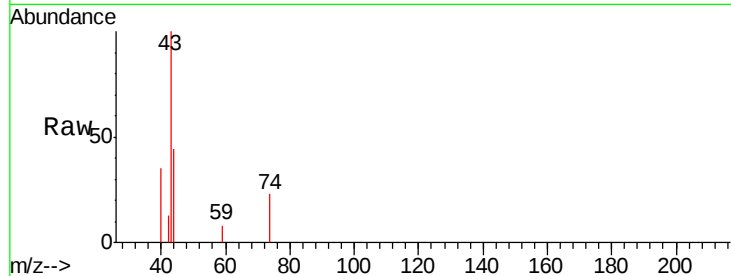




#18
Methyl Acetate
Concen: 1.803 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

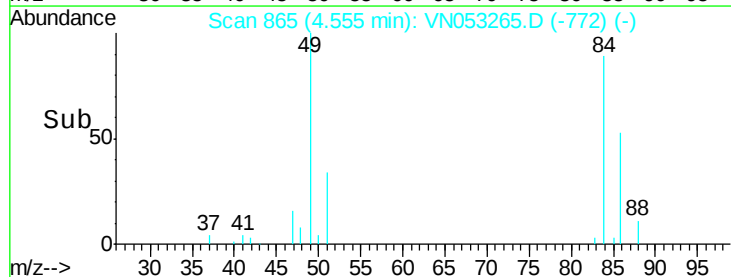
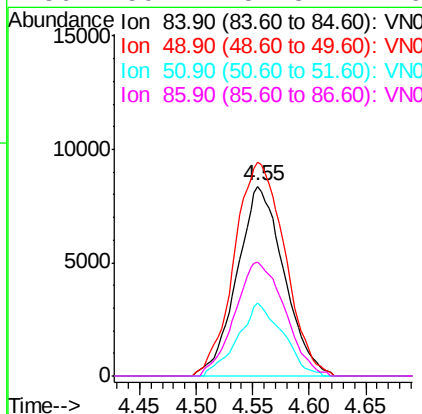
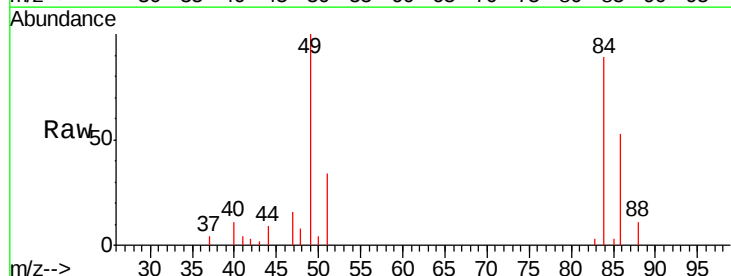
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#10

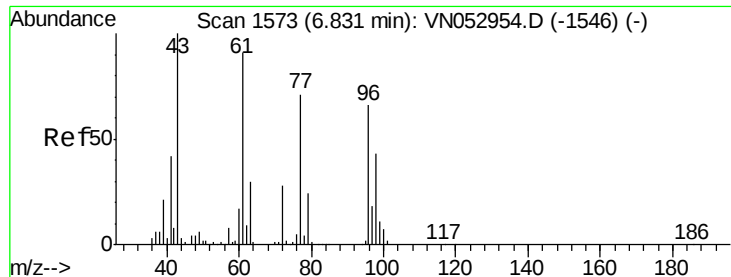
Tgt Ion: 43 Resp: 8585
Ion Ratio Lower Upper
43 100
74 18.7 19.2 28.8#



#20
Methylene Chloride
Concen: 1.939 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

Tgt Ion: 84 Resp: 24181
Ion Ratio Lower Upper
84 100
49 112.4 96.8 145.2
51 38.4 29.9 44.9
86 59.7 51.8 77.6





#25

2-Butanone

Concen: 1.172 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.02 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

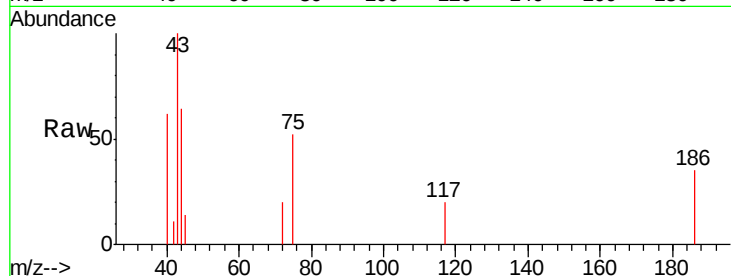
PB116111ZHE#10

Tgt Ion: 43 Resp: 4497

Ion Ratio Lower Upper

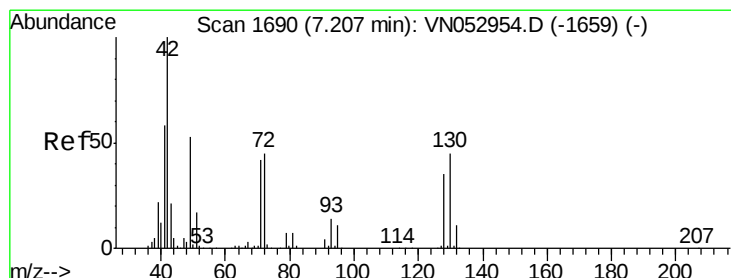
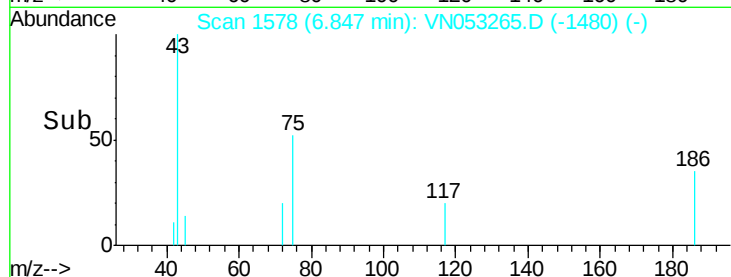
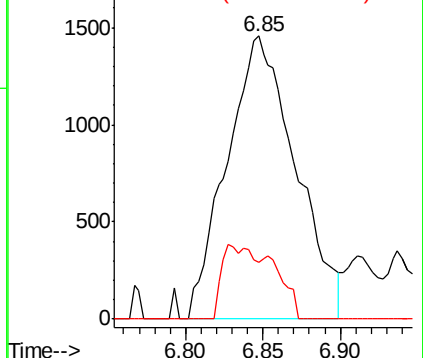
43 100

72 20.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.752 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

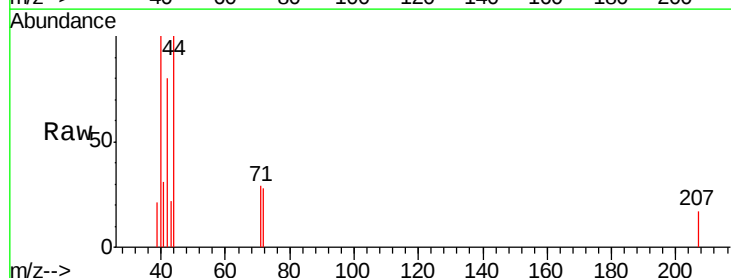
Tgt Ion: 42 Resp: 2156

Ion Ratio Lower Upper

42 100

72 40.1 34.7 52.1

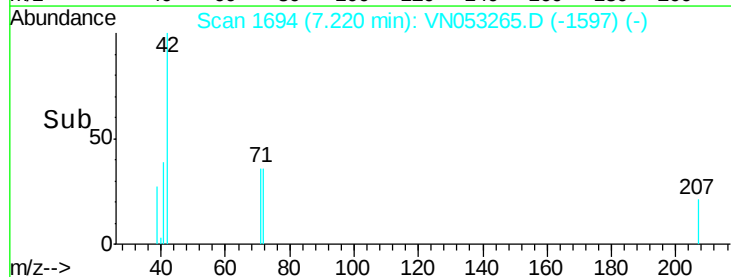
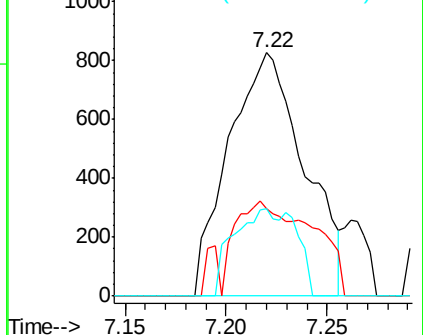
71 29.8 32.3 48.5#

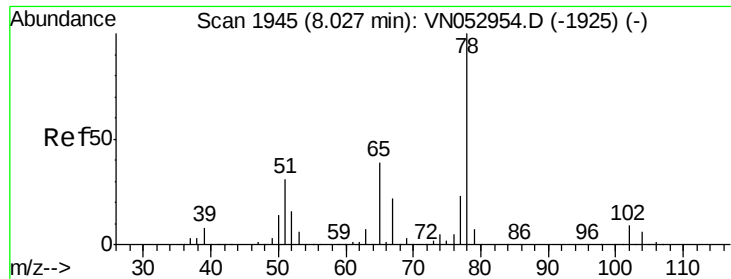


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

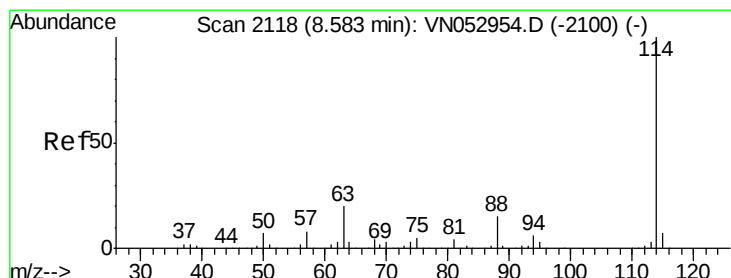
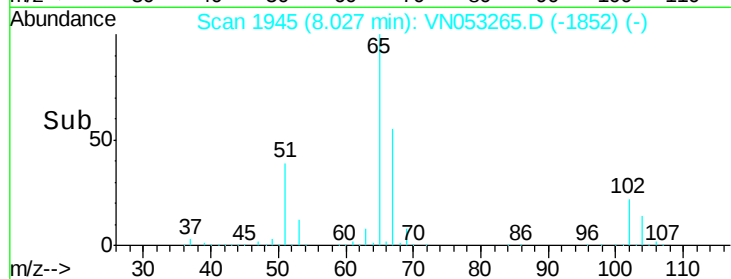
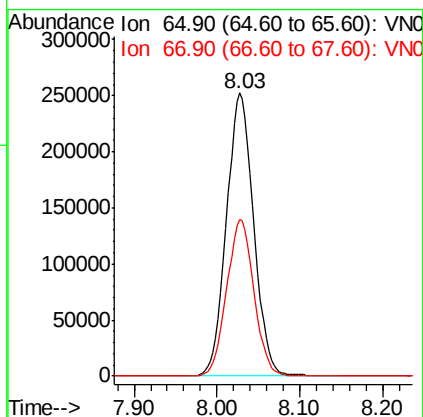
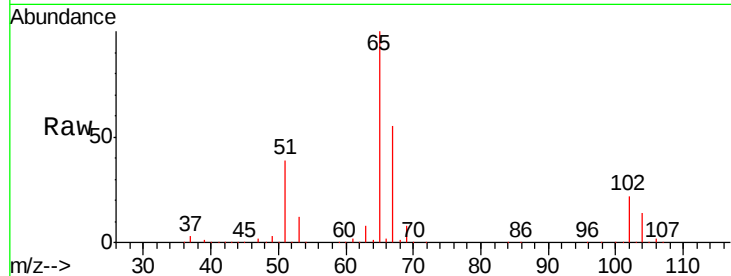




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

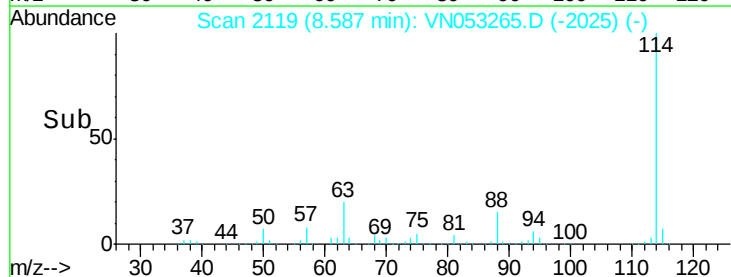
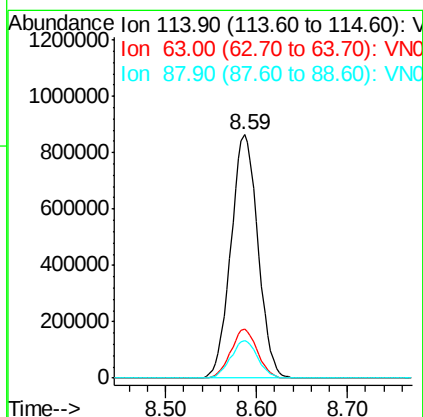
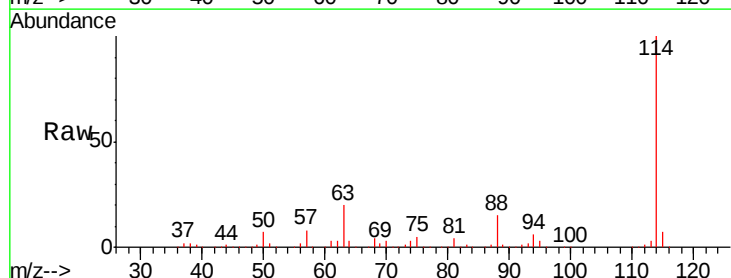
Instrument :
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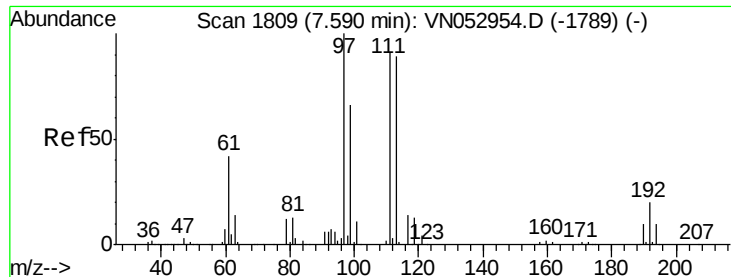
Tgt Ion: 65 Resp: 576406
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

Tgt Ion: 114 Resp: 1785422
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 31.0

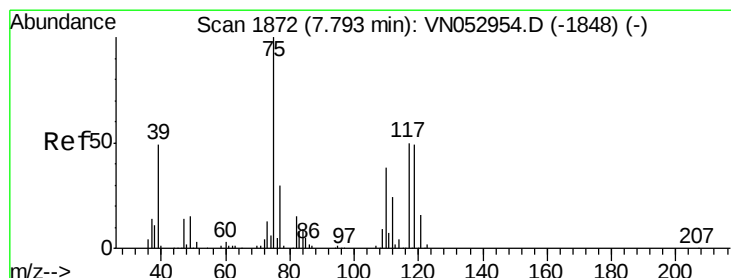
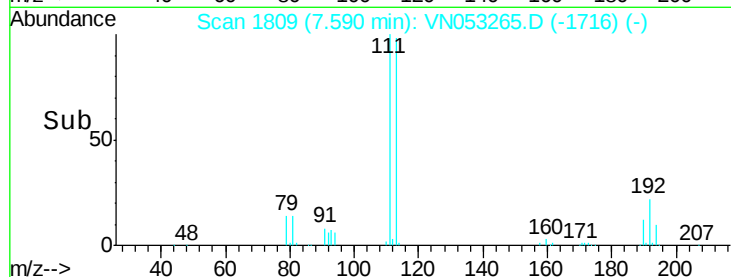
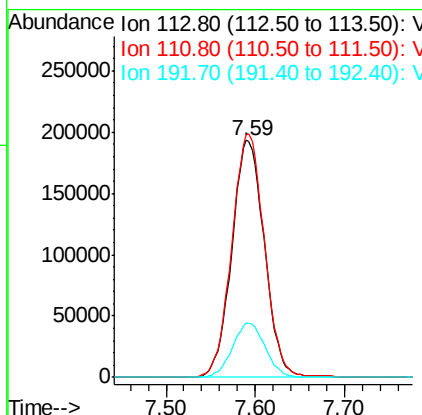
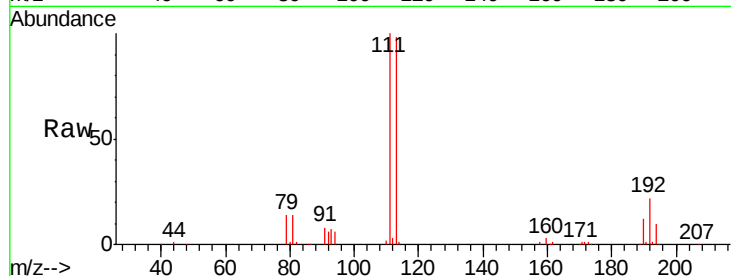




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

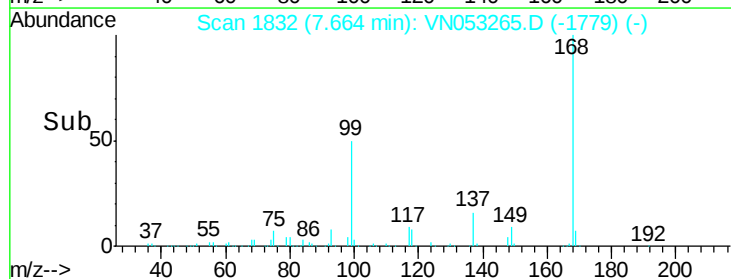
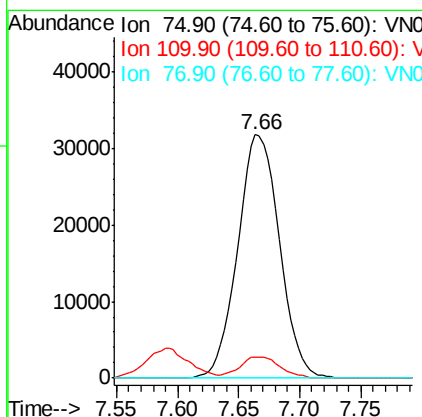
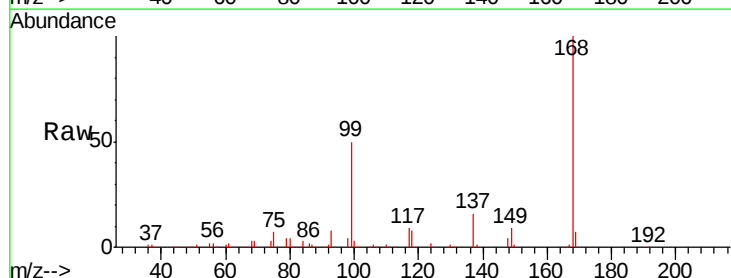
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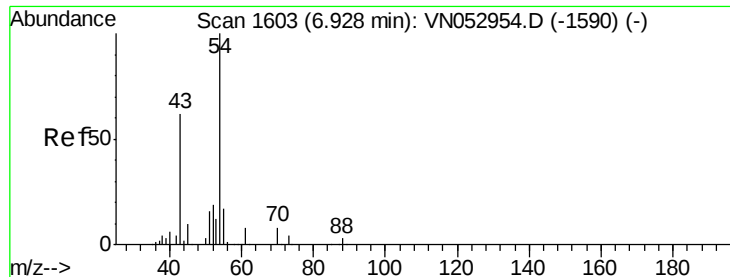
Tgt Ion:113 Resp: 490073
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.4
 192 23.0 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.398 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

Tgt Ion: 75 Resp: 75375
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.2 54.6#
 77 0.0 24.9 37.3#

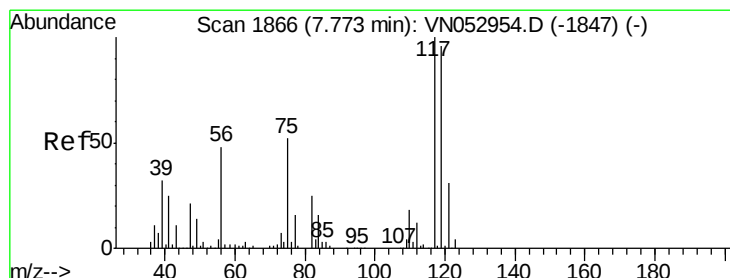
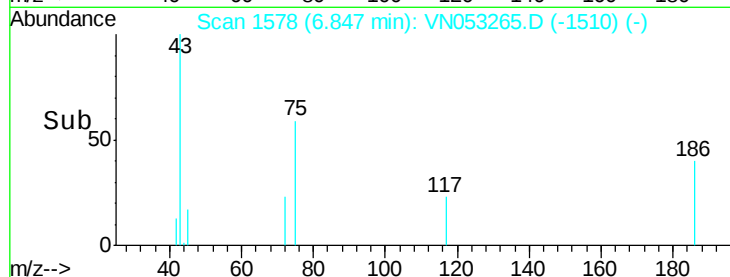
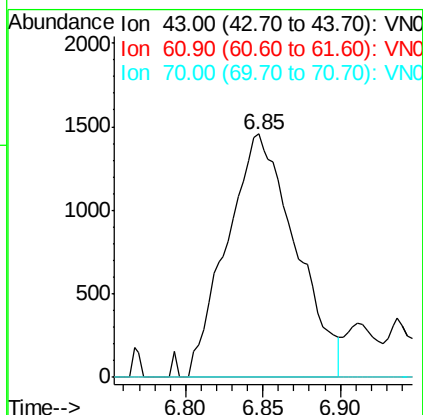
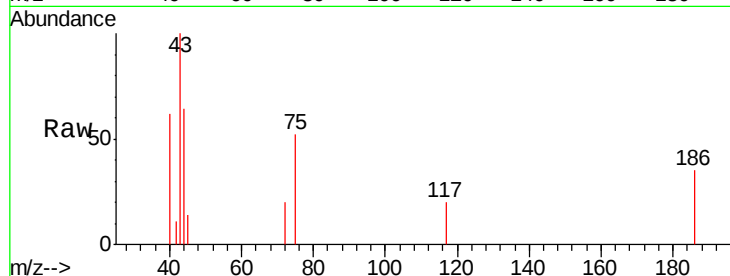




#37
 Ethyl Acetate
 Concen: 0.470 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.08 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

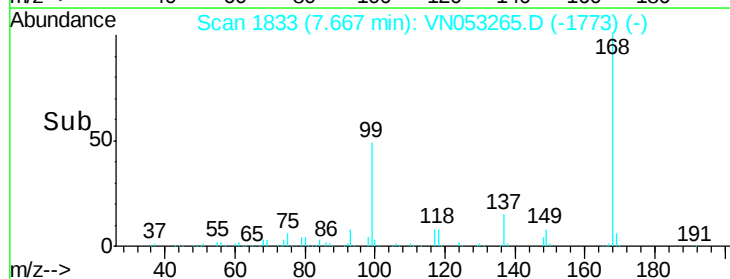
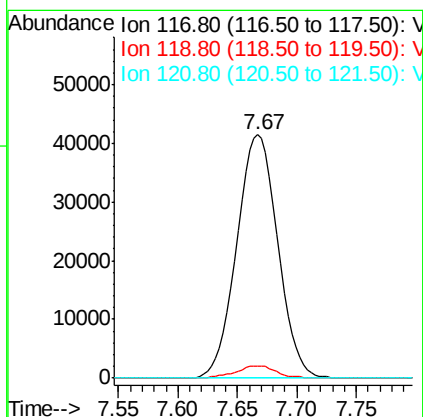
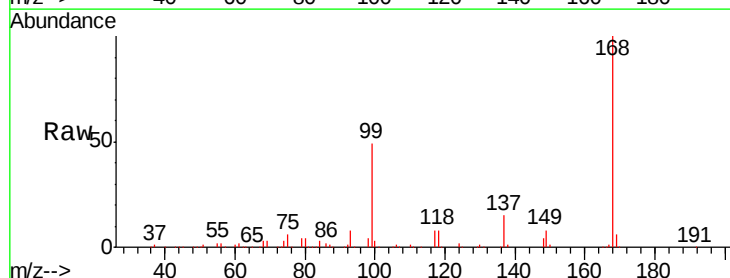
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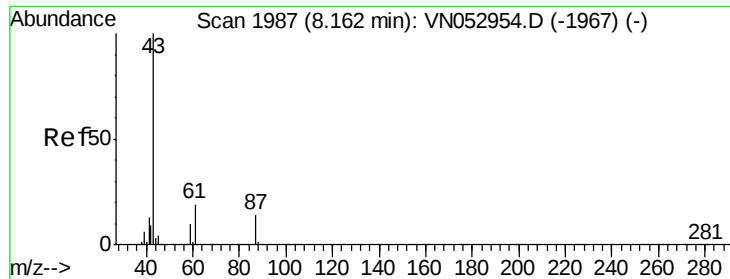
Tgt Ion: 43 Resp: 4497
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 8.4 12.6#



#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053265.D
 Acq: 3 Jan 2019 16:31

Tgt Ion: 117 Resp: 99047
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.1 115.7#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 1.834 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#10

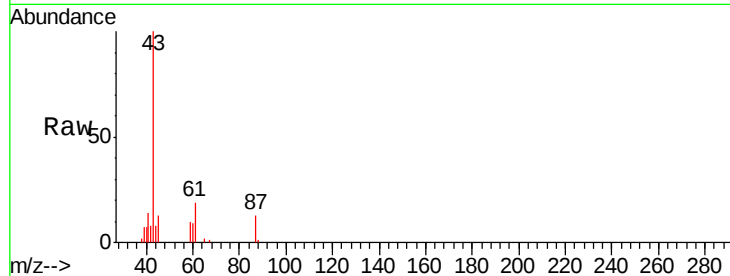
Tgt Ion: 43 Resp: 52590

Ion Ratio Lower Upper

43 100

61 18.2 22.9 34.3#

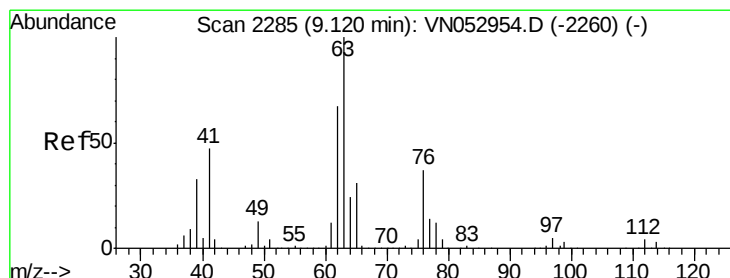
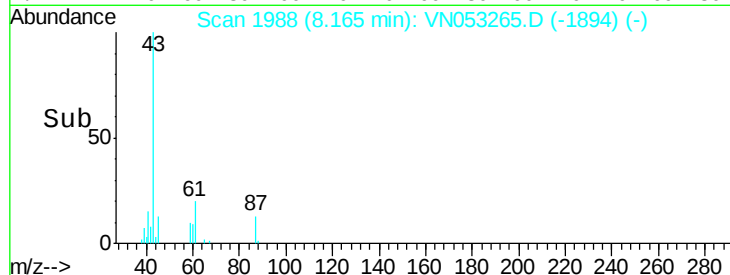
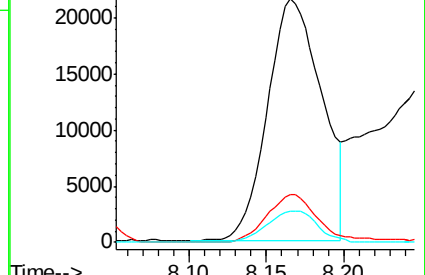
87 12.1 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053265.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN053265.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN053265.D (-1988) (-)



#45

1,2-Dichloropropane

Concen: 0.276 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053265.D

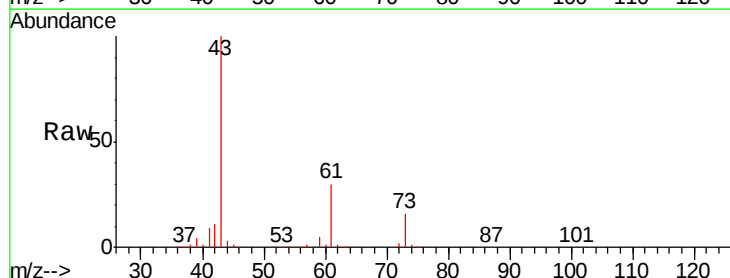
Acq: 3 Jan 2019 16:31

Tgt Ion: 63 Resp: 3669

Ion Ratio Lower Upper

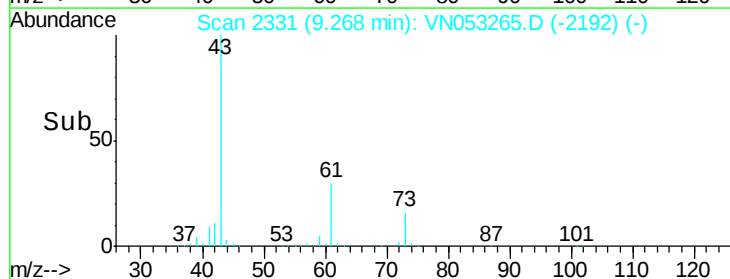
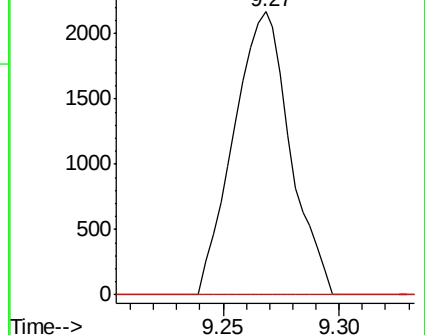
63 100

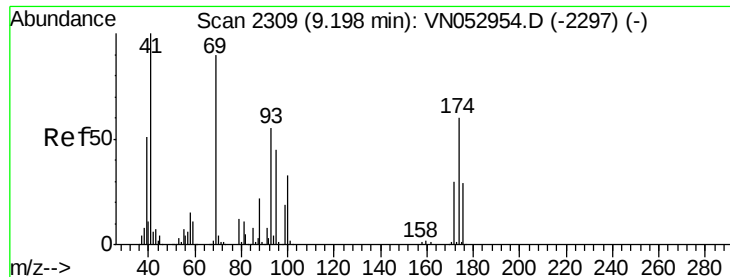
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN053265.D (-2331) (-)

Ion 64.90 (64.60 to 65.60): VN053265.D (-2331) (-)

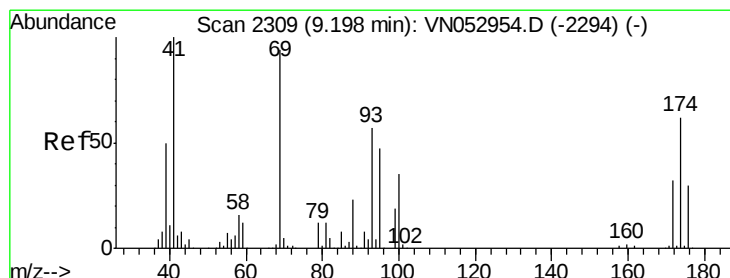
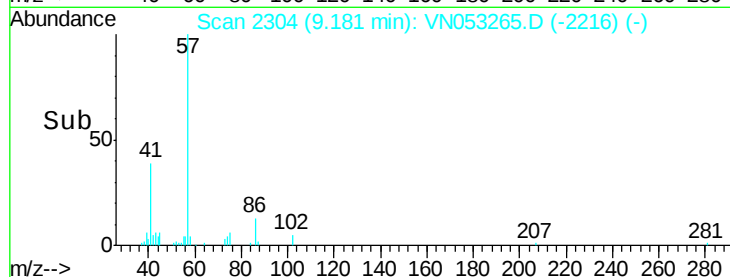
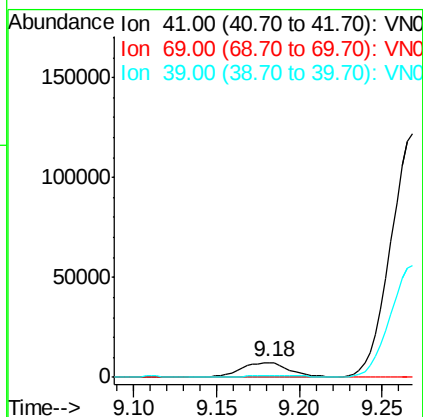
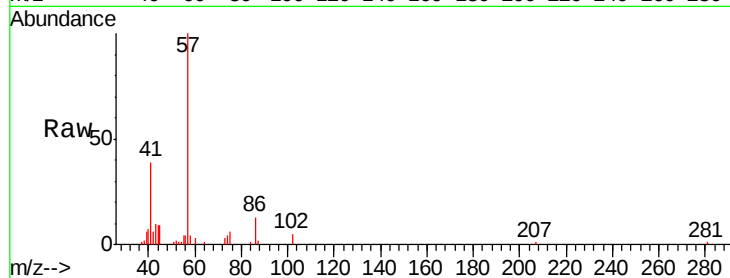




#48
Methyl methacrylate
Concen: 1.558 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

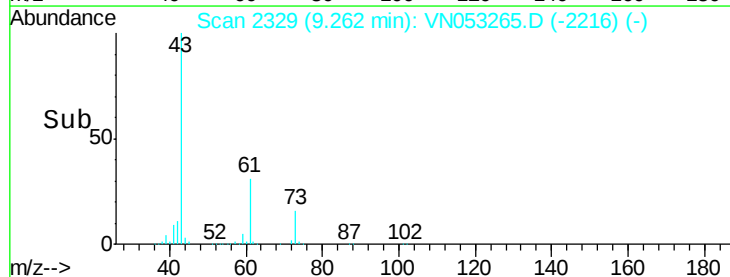
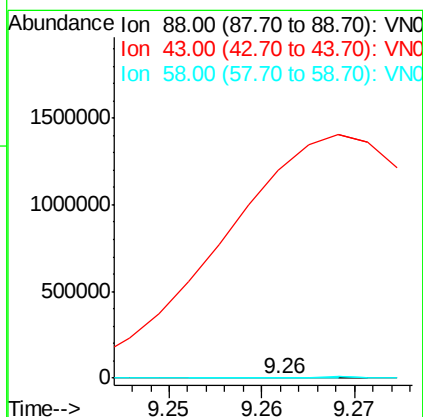
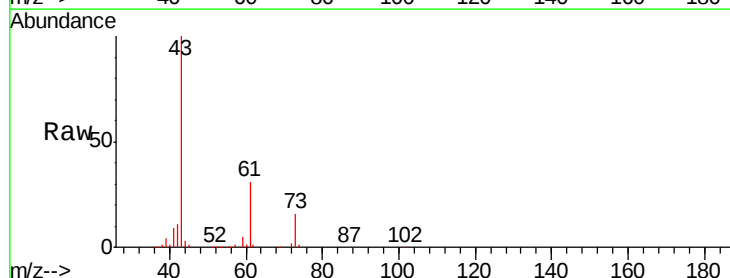
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#10

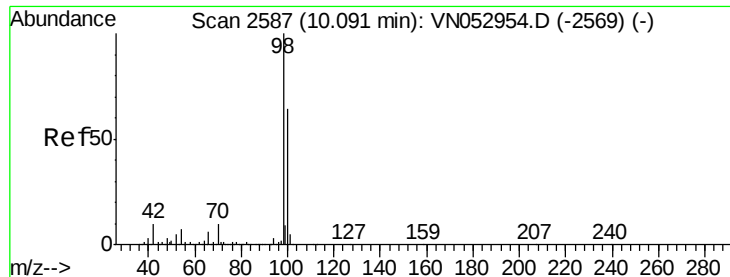
Tgt Ion: 41 Resp: 14466
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 0.0 41.9 62.9#



#49
1,4-Dioxane
Concen: 0.818 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 0.0 26.6 40.0#
58 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 0.818 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

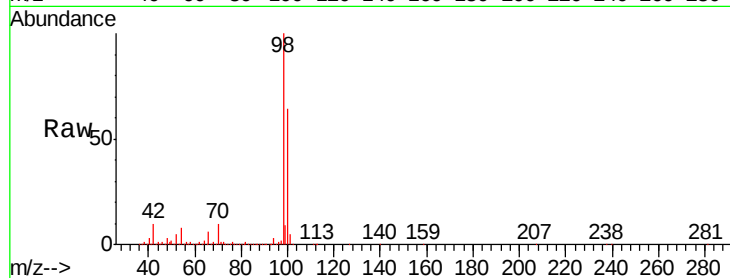
PB116111ZHE#10

Tgt Ion: 98 Resp: 2214462

Ion Ratio Lower Upper

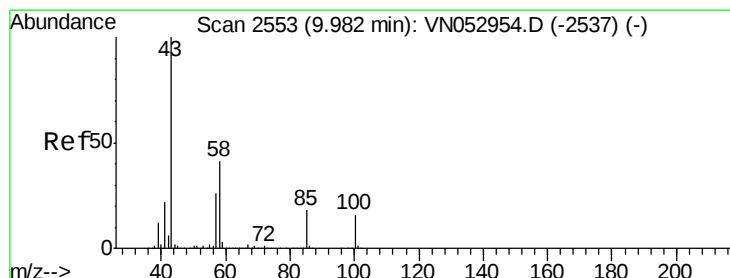
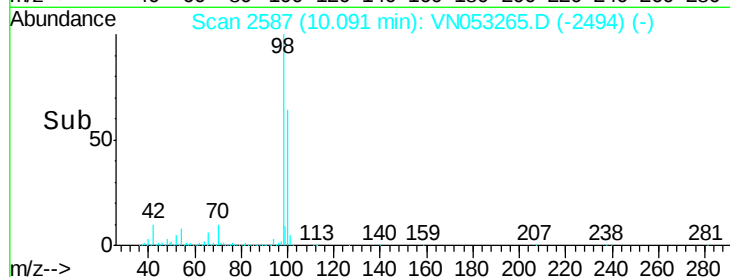
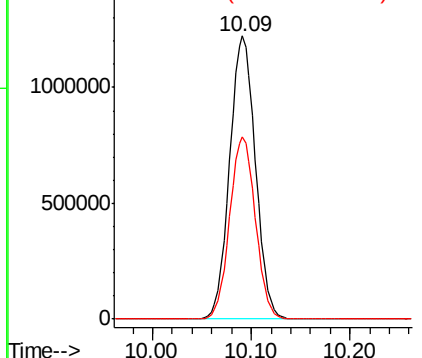
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053265.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053265.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.795 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053265.D

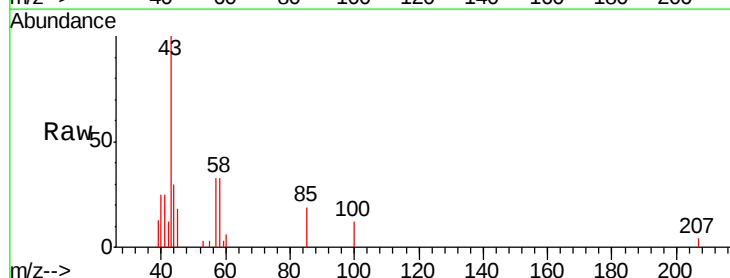
Acq: 3 Jan 2019 16:31

Tgt Ion: 43 Resp: 7368

Ion Ratio Lower Upper

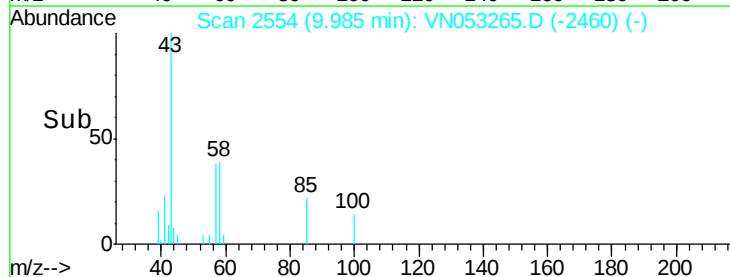
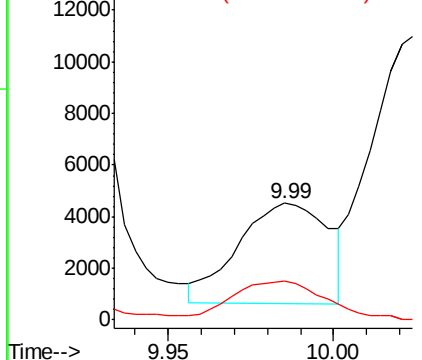
43 100

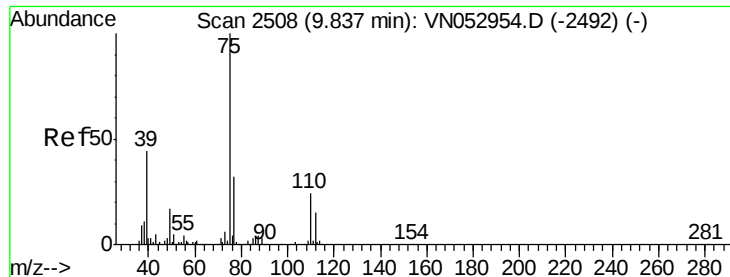
58 40.6 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN053265.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053265.D (-2460) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.561 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#10

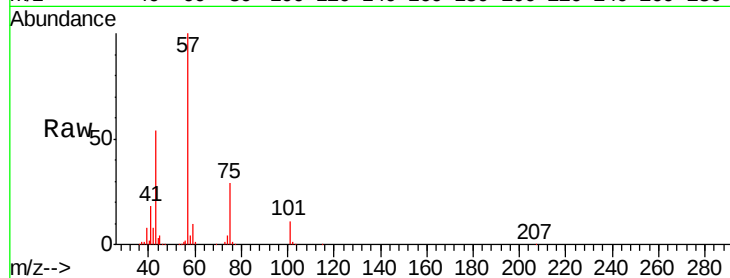
Tgt Ion: 75 Resp: 130196

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

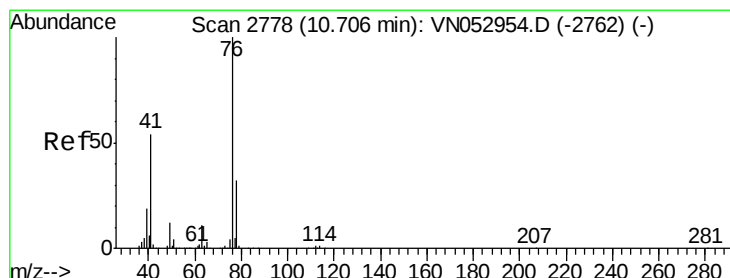
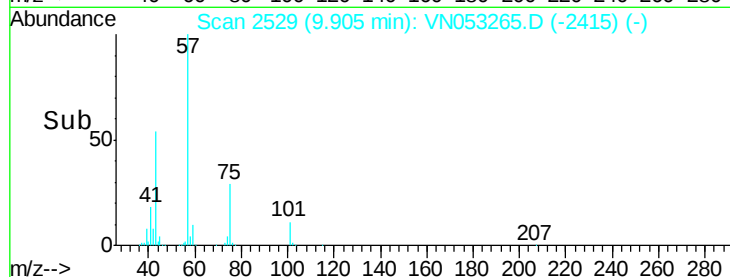
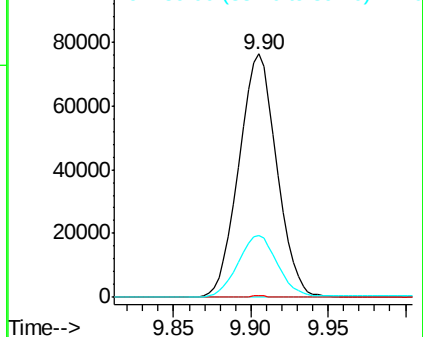
39 25.7 34.8 52.2#



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: 1.387 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053265.D

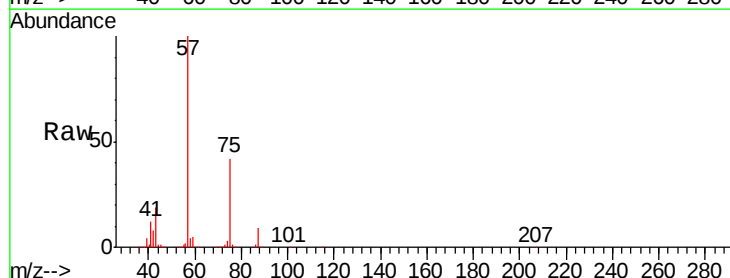
Acq: 3 Jan 2019 16:31

Tgt Ion: 76 Resp: 26209

Ion Ratio Lower Upper

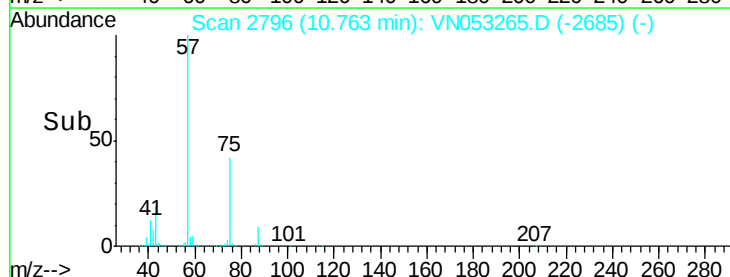
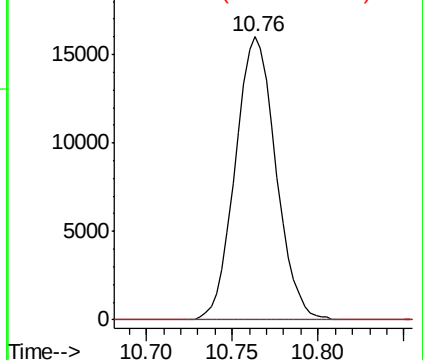
76 100

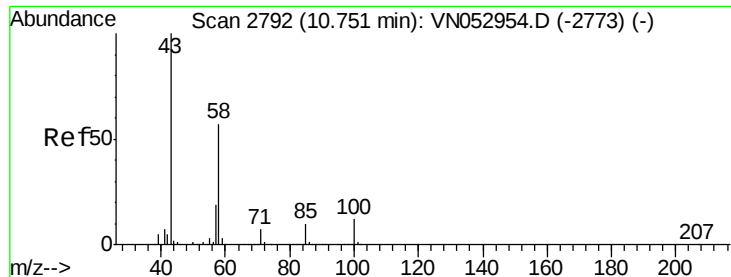
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

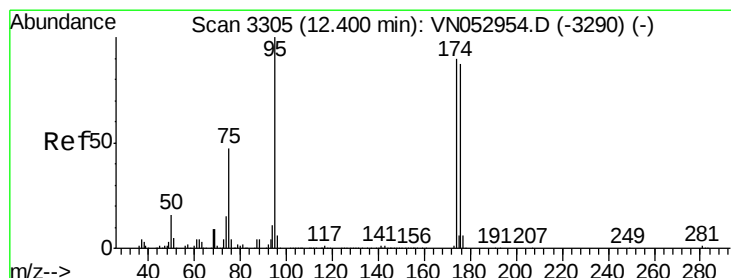
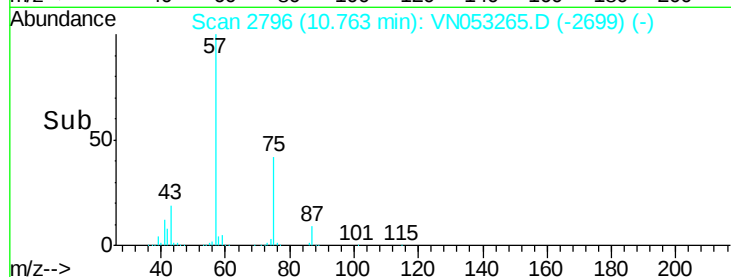
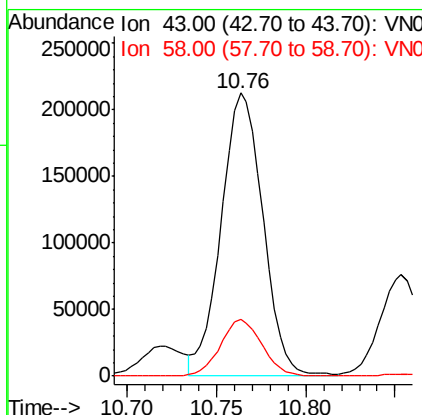
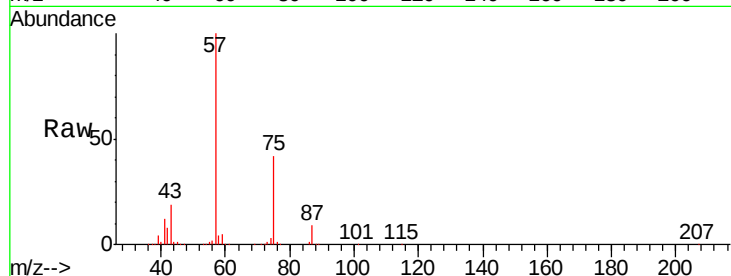




#59
2-Hexanone
Concen: 54.880 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

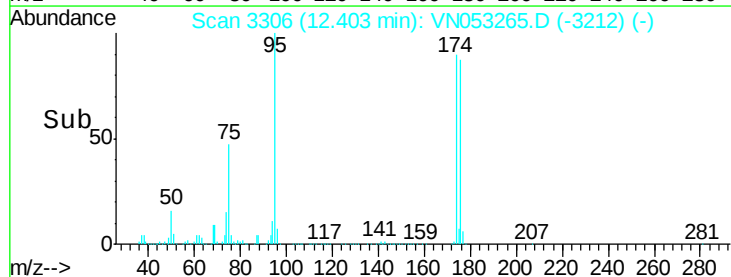
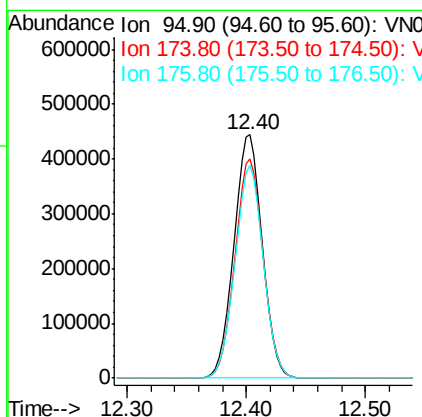
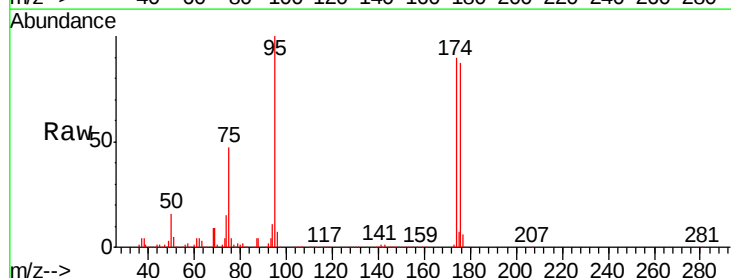
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#10

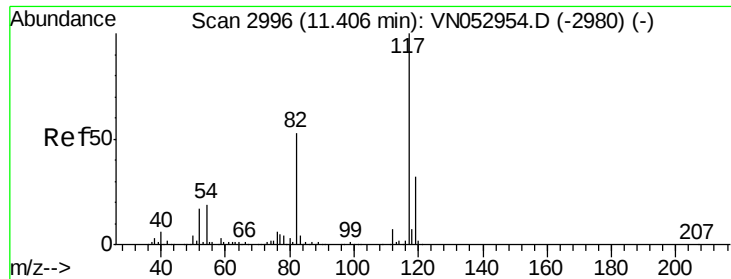
Tgt Ion: 43 Resp: 344001
Ion Ratio Lower Upper
43 100
58 20.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

Tgt Ion: 95 Resp: 730752
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 87.0 0.0 173.8

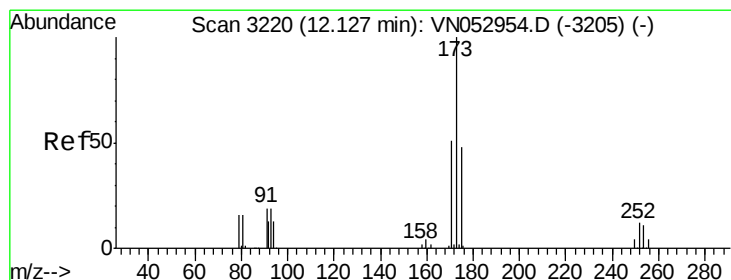
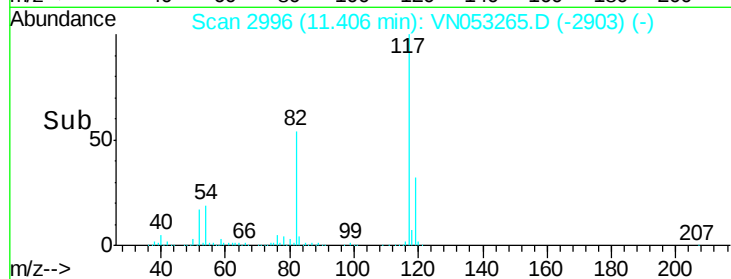
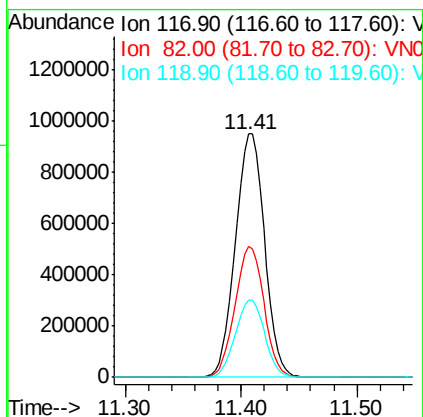
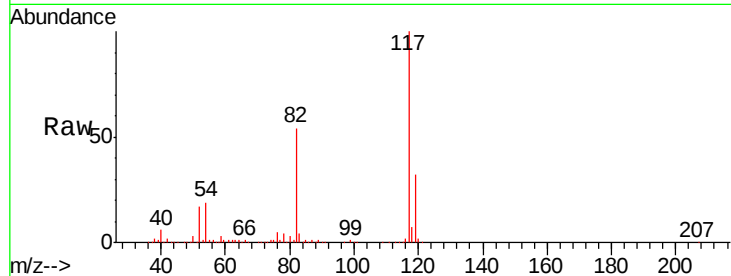




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

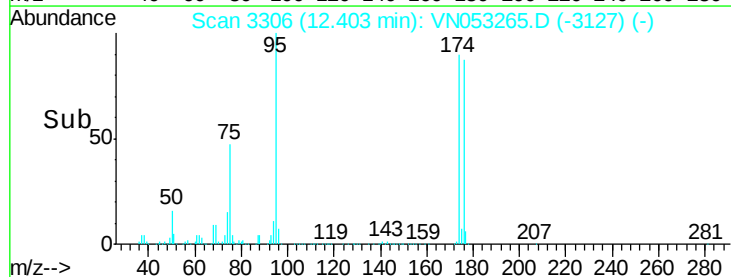
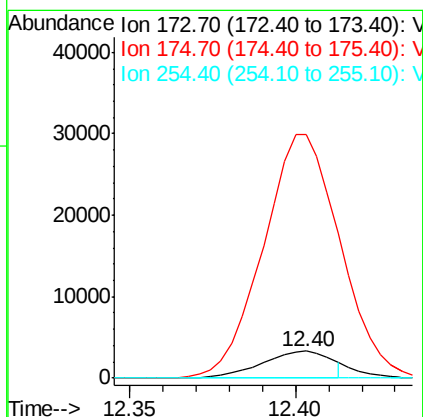
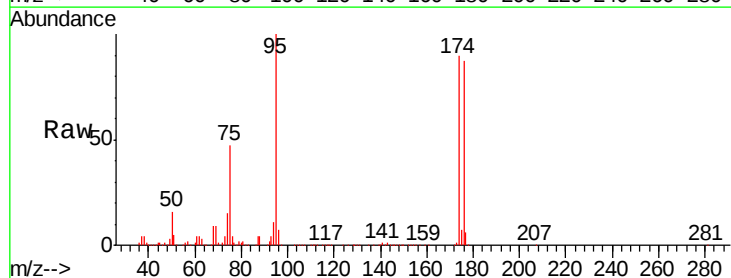
Instrument :
MSVOA_N
ClientSampleId :
PB116111ZHE#10

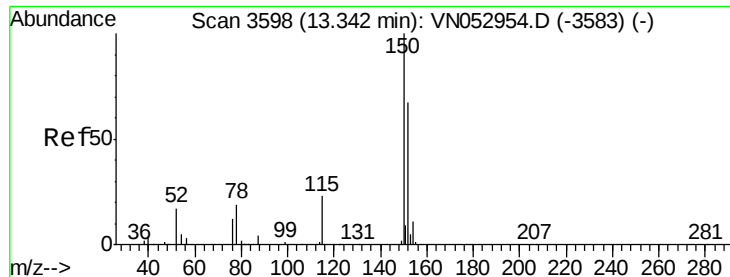
Tgt Ion:117 Resp: 1656717
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.518 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053265.D
Acq: 3 Jan 2019 16:31

Tgt Ion:173 Resp: 4780
Ion Ratio Lower Upper
173 100
175 885.1 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#10

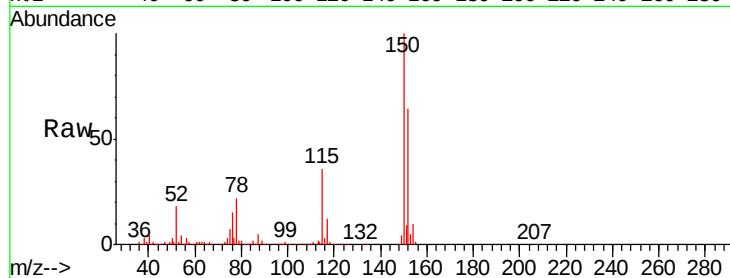
Tgt Ion:152 Resp: 624929

Ion Ratio Lower Upper

152 100

115 55.7 28.3 85.0

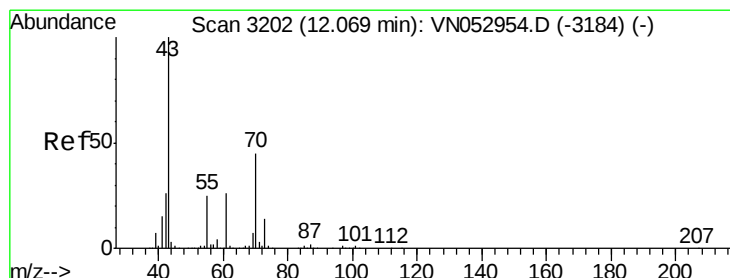
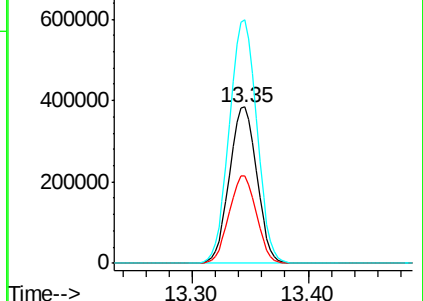
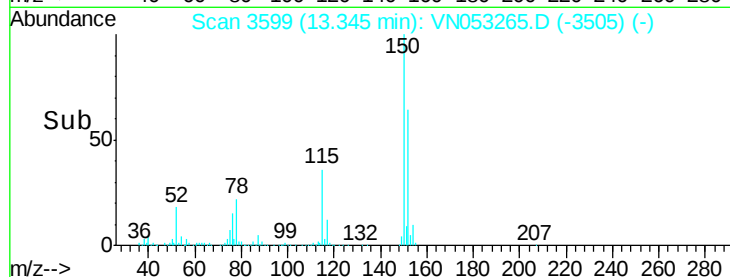
150 156.7 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.043 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Tgt Ion: 43 Resp: 41307

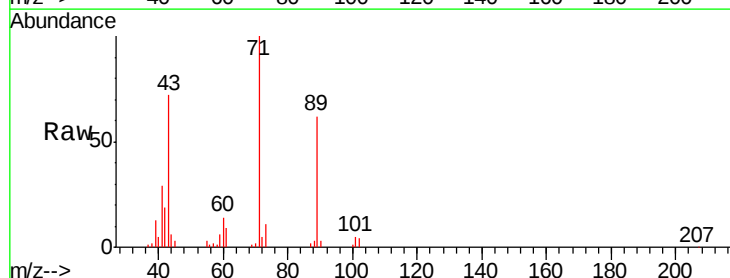
Ion Ratio Lower Upper

43 100

70 2.2 34.2 51.4#

55 5.1 20.3 30.5#

61 11.9 20.0 30.0#

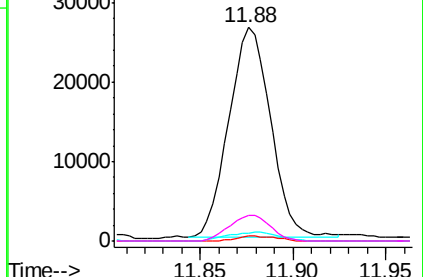
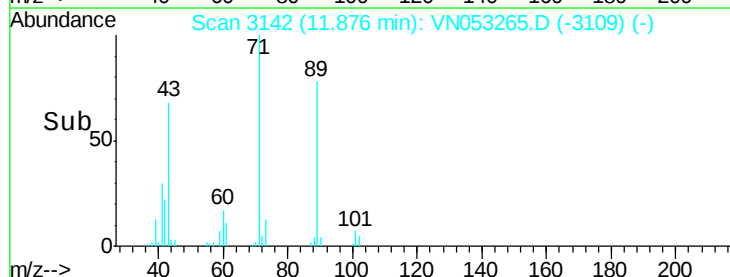


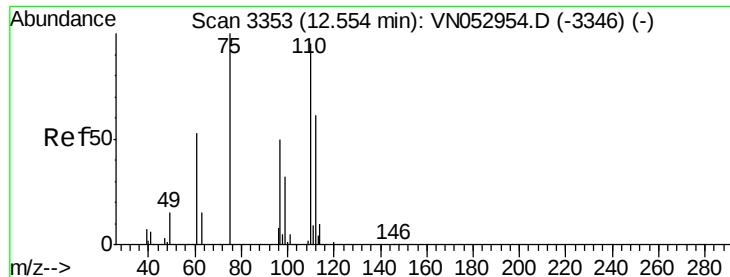
Abundance Ion 43.00 (42.70 to 43.70): V

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: 32.564 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

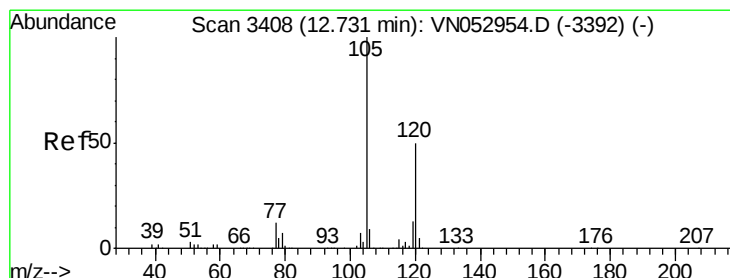
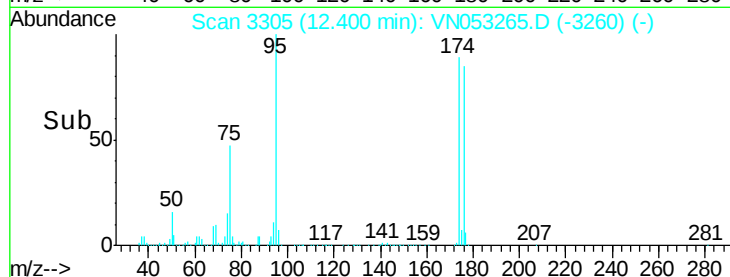
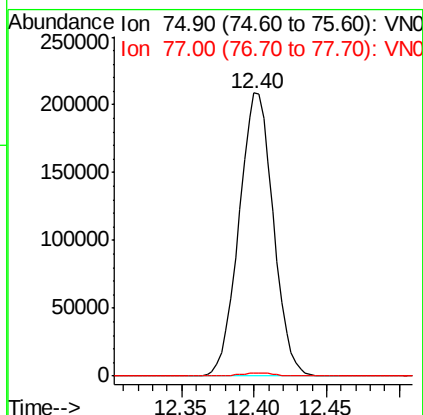
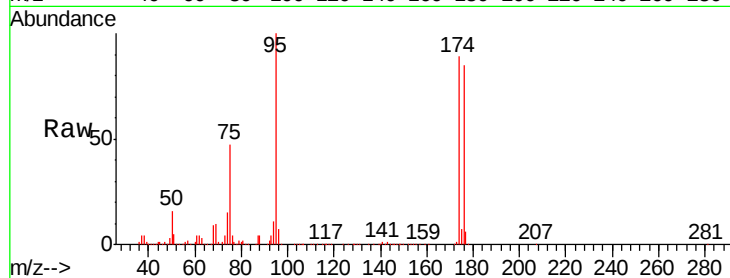
PB116111ZHE#10

Tgt Ion: 75 Resp: 342578

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.423 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053265.D

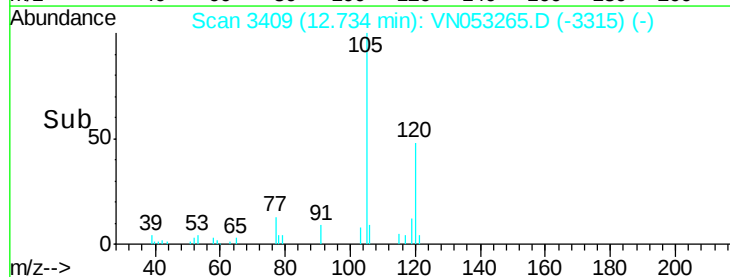
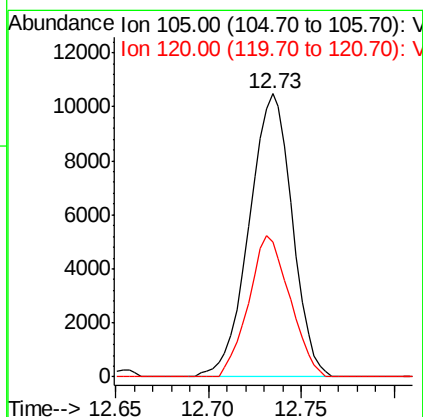
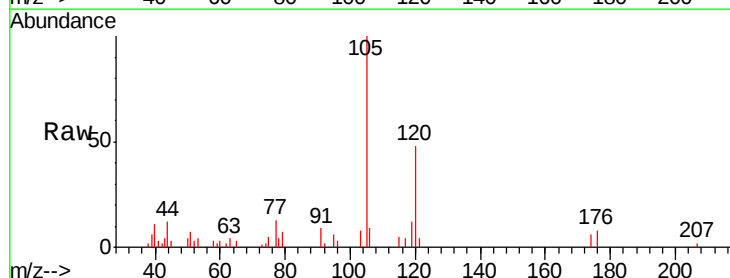
Acq: 3 Jan 2019 16:31

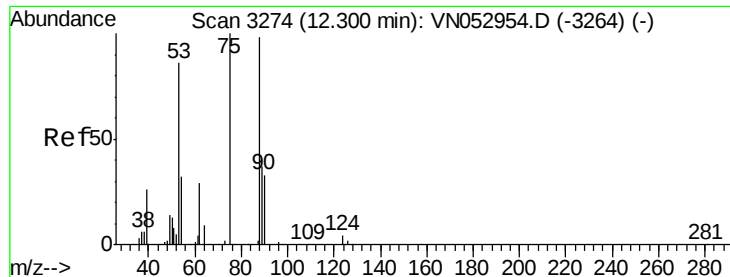
Tgt Ion: 105 Resp: 16858

Ion Ratio Lower Upper

105 100

120 47.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 104.959 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053265.D

Acq: 3 Jan 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

PB116111ZHE#10

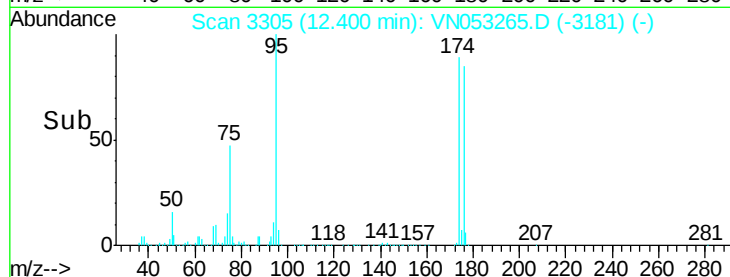
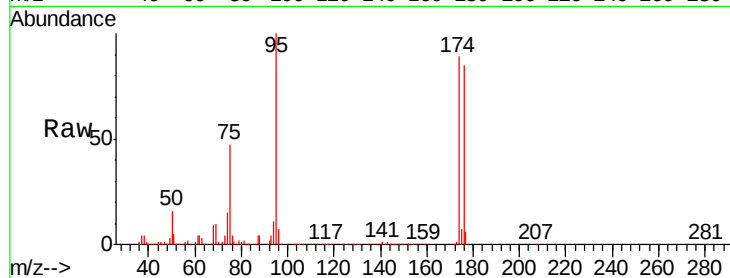
Tgt Ion: 75 Resp: 342578

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

