

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052028.D
 Acq On : 26 Oct 2018 15:13
 Operator : MD\SY
 Sample : PB114195ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#05

Quant Time: Oct 26 23:23:22 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	1182294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1717407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1659884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794338	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	600049	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.59	113	639086	58.32	ug/l	0.00
Spiked Amount			Recovery	=	116.64%	
50) Toluene-d8	10.09	98	2333531	58.92	ug/l	0.00
Spiked Amount			Recovery	=	117.84%	
62) 4-Bromofluorobenzene	12.40	95	765725	56.25	ug/l	0.00
Spiked Amount			Recovery	=	112.50%	

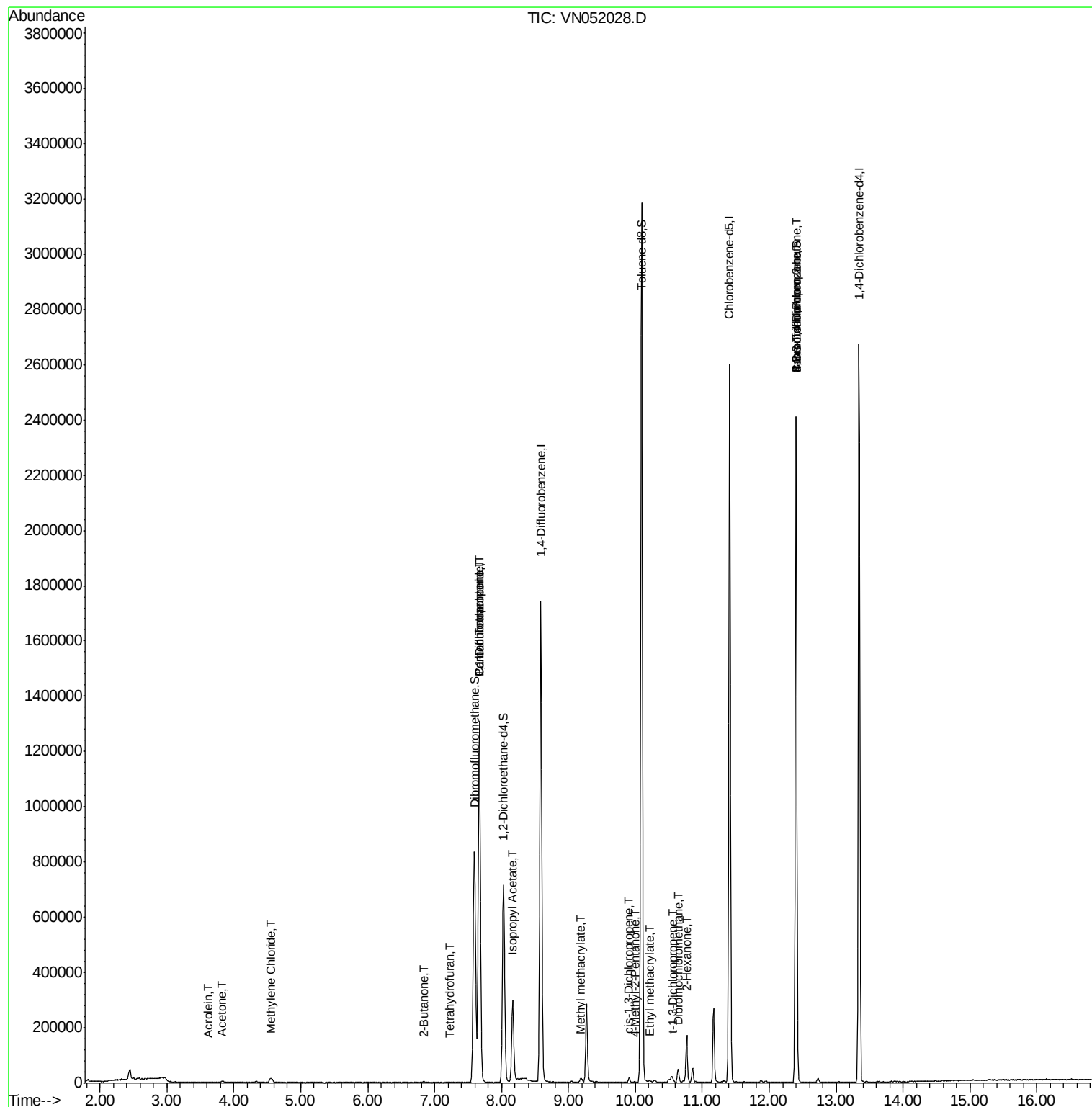
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.63	56	66	37.451	ug/l #	14
16) Acetone	3.82	43	9077	5.232	ug/l #	81
18) Methyl Acetate	4.33	43	6590	Below Cal		89
20) Methylene Chloride	4.55	84	13777	1.354	ug/l	95
25) 2-Butanone	6.84	43	1701	0.688	ug/l #	85
29) Tetrahydrofuran	7.23	42	1022	0.610	ug/l #	54
31) Cyclohexane	7.67	56	18023	Below Cal	#	25
36) 1,1-Dichloropropene	7.67	75	66469	5.045	ug/l #	47
37) Ethyl Acetate	6.94	43	321	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	101707	6.725	ug/l #	16
43) Isopropyl Acetate	8.17	43	334144	30.286	ug/l	99
48) Methyl methacrylate	9.18	41	7230	1.356	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	1233	0.203	ug/l #	78
53) t-1,3-Dichloropropene	10.57	75	69	1.249	ug/l #	43
54) cis-1,3-Dichloropropene	9.90	75	3417	0.243	ug/l #	71
56) Ethyl methacrylate	10.22	69	3182	0.302	ug/l #	81
59) 2-Hexanone	10.76	43	22773	5.585	ug/l #	54
60) Dibromochloromethane	10.64	129	184	1.992	ug/l #	11
71) Bromoform	12.40	173	6947	4.415	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	365963	44.602	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	365963	140.394	ug/l #	12

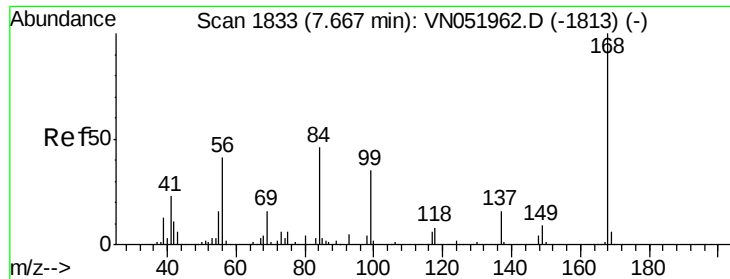
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102618\
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Sample : PB114195ZHE#05
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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: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

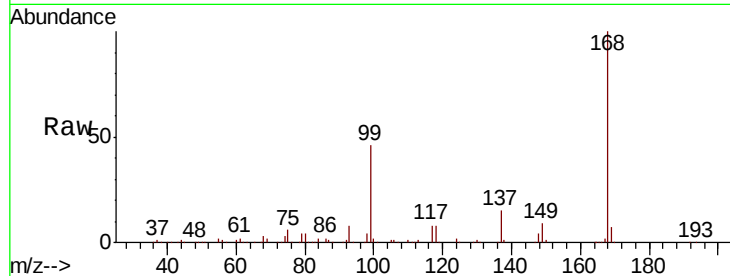
PB114195ZHE#05

Tot Ion:168 Resp: 1182294

Ion Ratio Lower Upper

168 100

99 45.6 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN052028.D

Ion 98.90 (98.60 to 99.60): VN052028.D

7.67

600000

500000

400000

300000

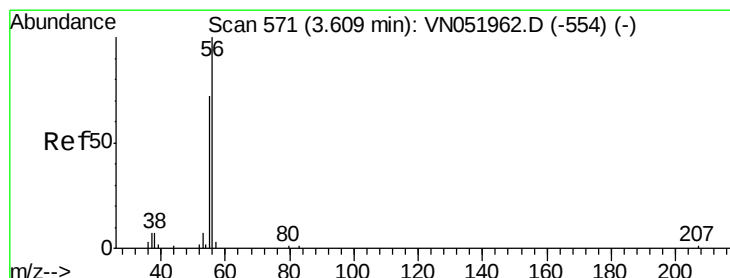
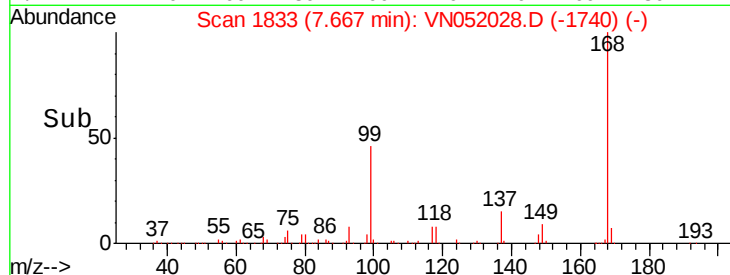
200000

100000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 37.451 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN052028.D

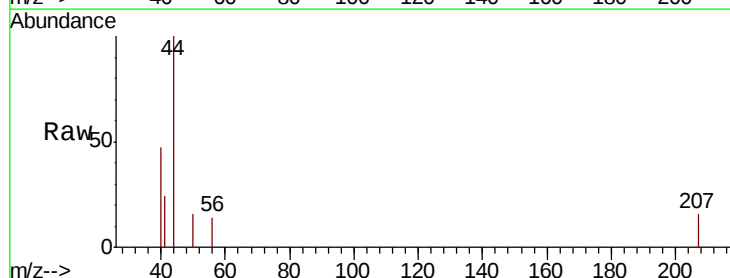
Acq: 26 Oct 2018 15:13

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN052028.D

Ion 55.00 (54.70 to 55.70): VN052028.D

3.63

200

150

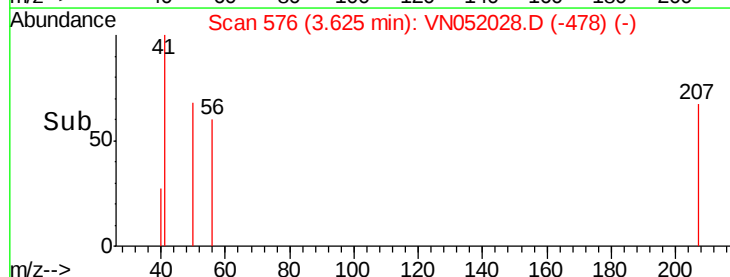
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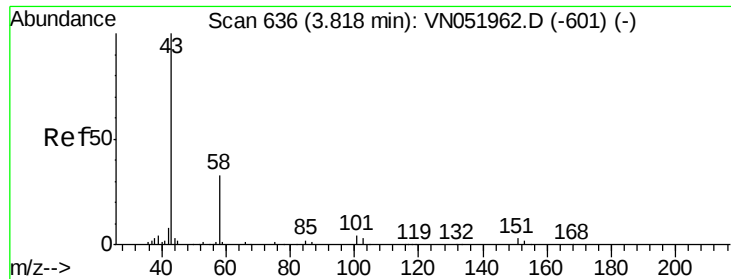
50

0

3.62 3.63 3.64

Time-->

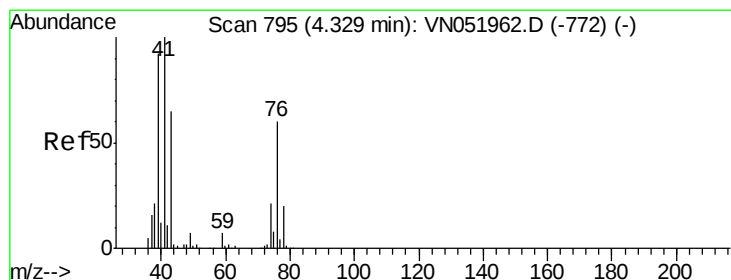
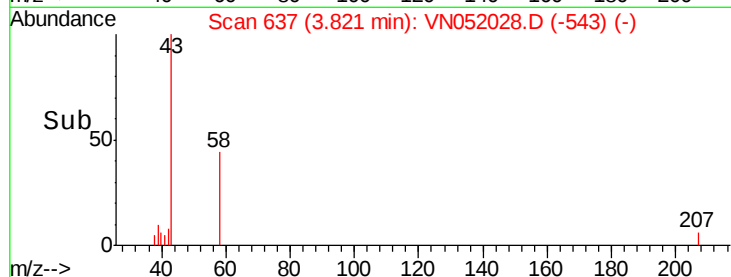
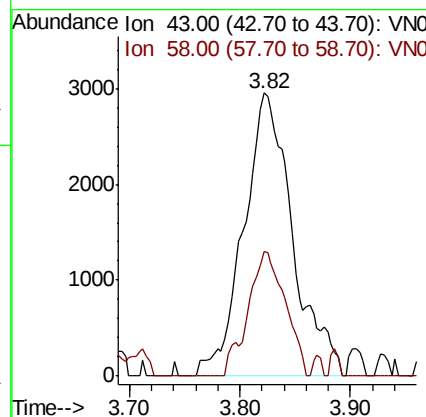
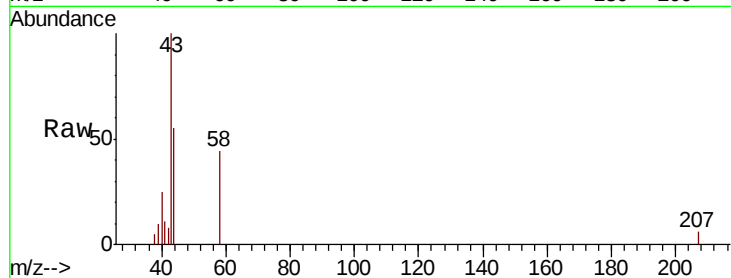




#16
Acetone
Concen: 5.232 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

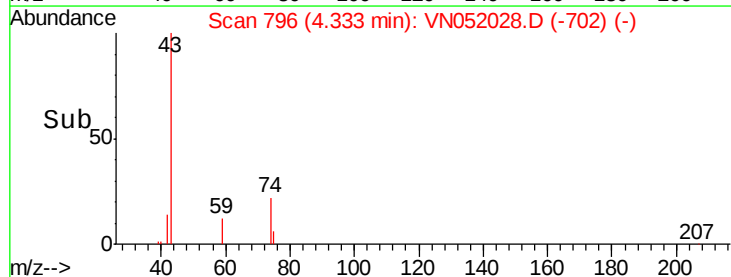
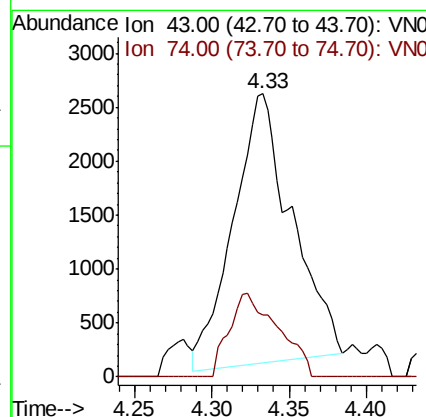
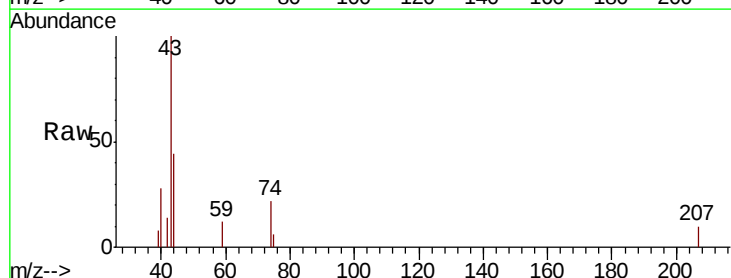
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#05

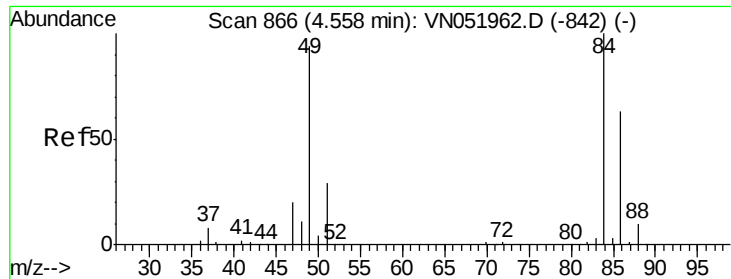
Tot Ion: 43 Resp: 9077
Ion Ratio Lower Upper
43 100
58 44.2 26.7 40.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion: 43 Resp: 6590
Ion Ratio Lower Upper
43 100
74 25.9 25.7 38.5

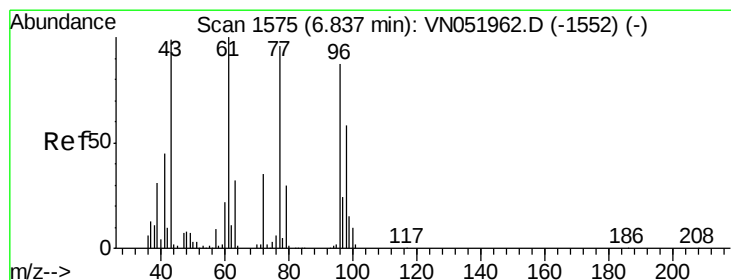
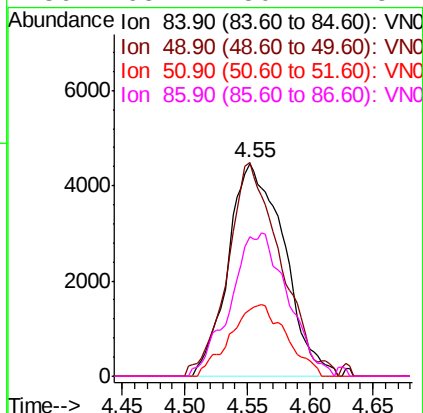
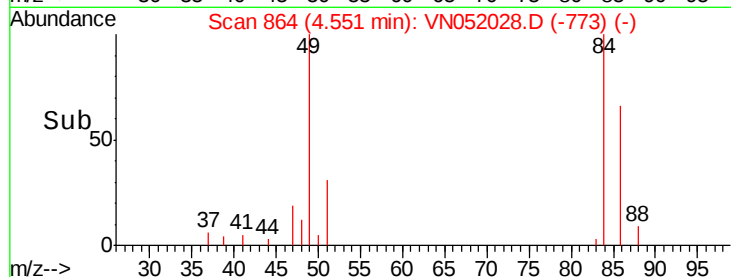
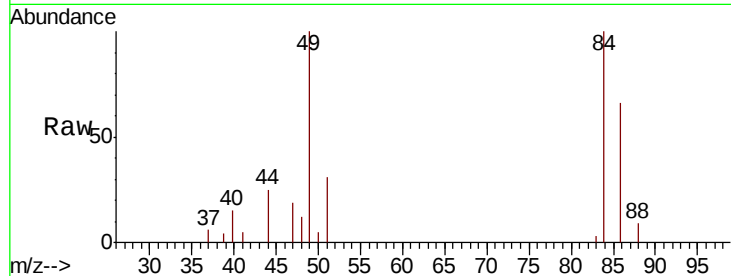




#20
Methvlene Chloride
Concen: 1.354 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

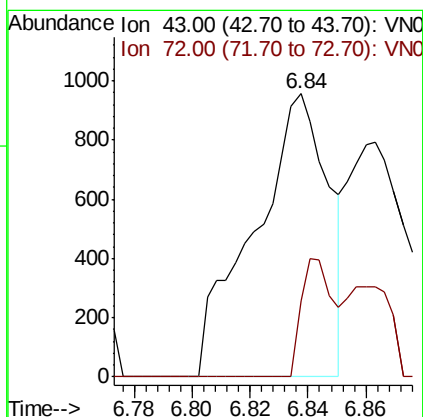
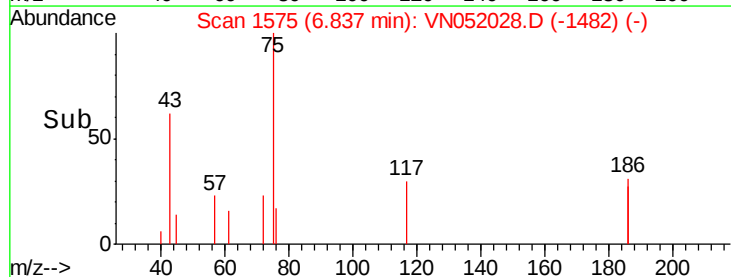
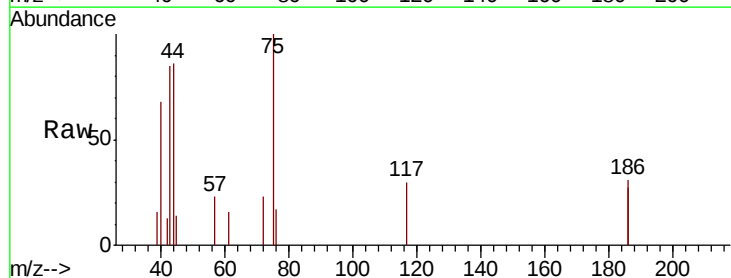
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#05

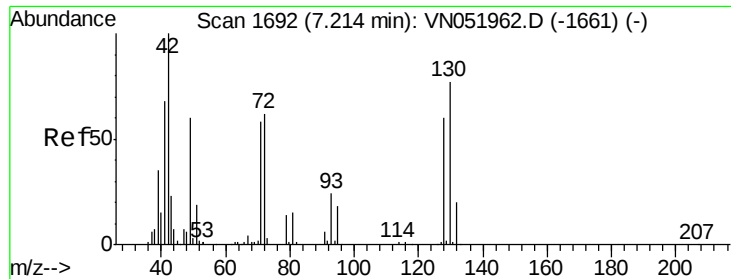
Tot Ion: 84 Resp: 13777
Ion Ratio Lower Upper
84 100
49 100.2 75.4 113.0
51 31.5 23.1 34.7
86 65.7 50.2 75.4



#25
2-Butanone
Concen: 0.688 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
72 27.0 28.5 42.7#

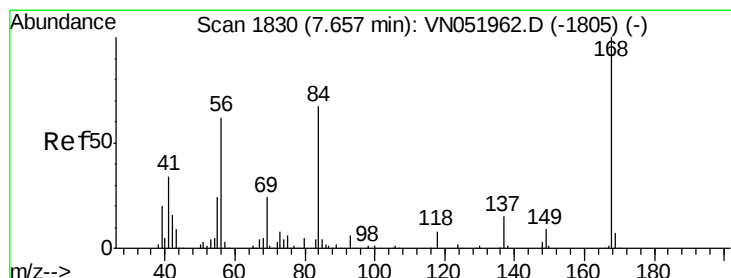
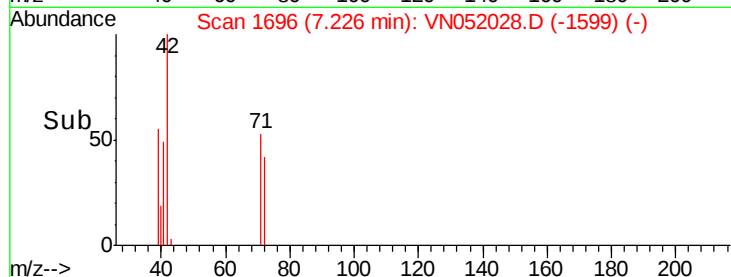
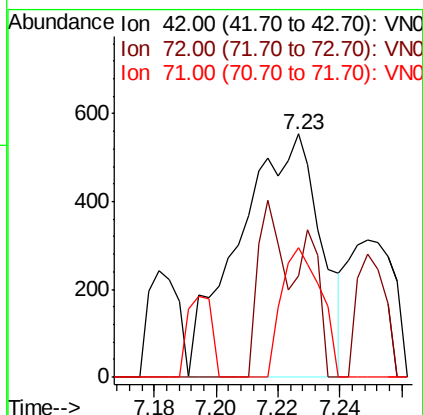
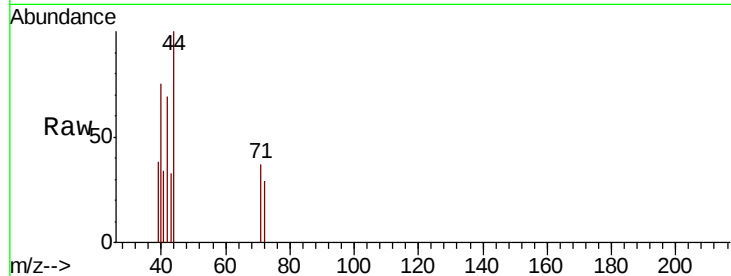




#29
Tetrahydrofuran
Concen: 0.610 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

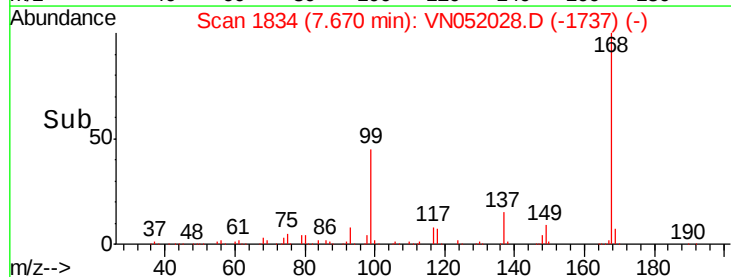
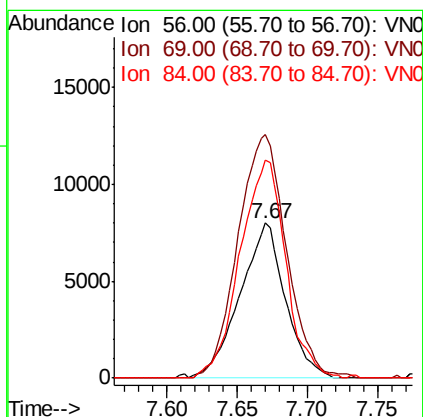
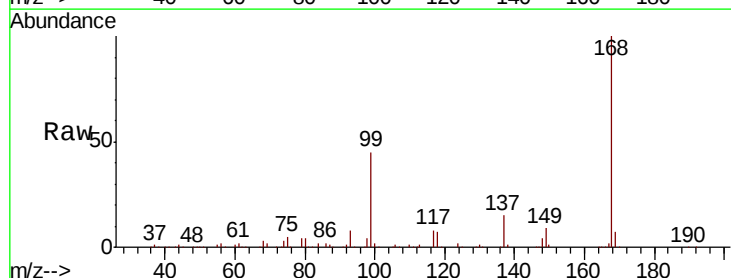
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#05

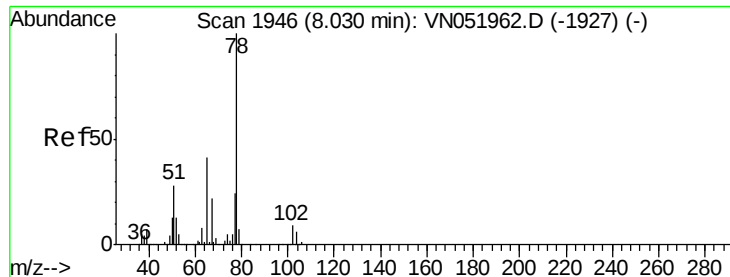
Tot Ion: 42 Resp: 1022
Ion Ratio Lower Upper
42 100
72 22.8 47.5 71.3#
71 25.4 45.4 68.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion: 56 Resp: 18023
Ion Ratio Lower Upper
56 100
69 157.4 31.2 46.8#
84 140.9 86.3 129.5#

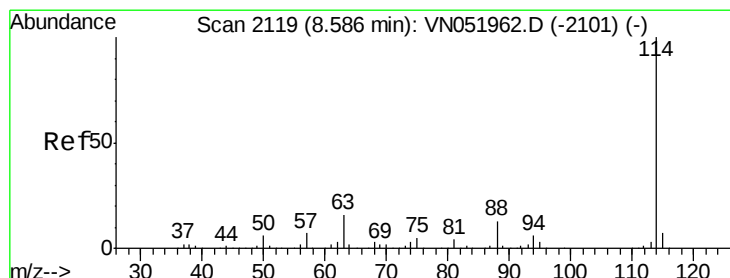
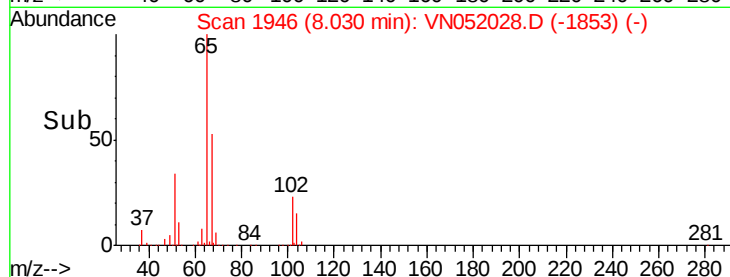
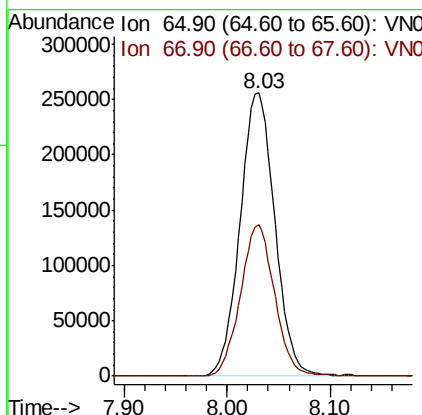
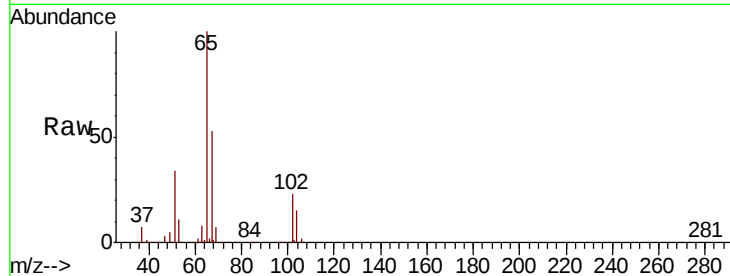




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052028.D
 Acq: 26 Oct 2018 15:13

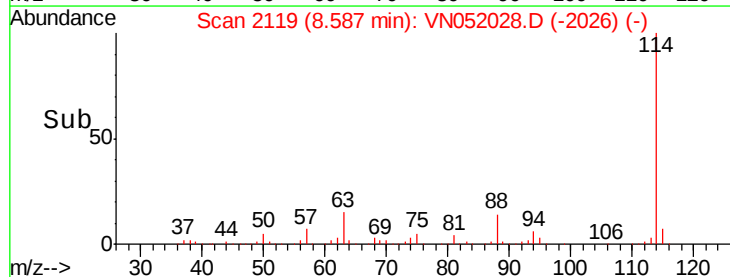
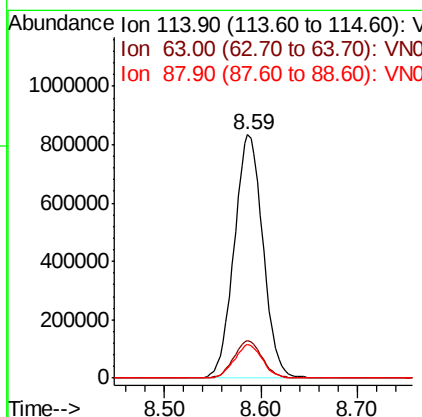
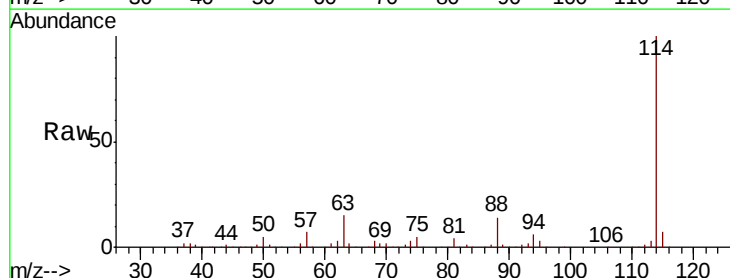
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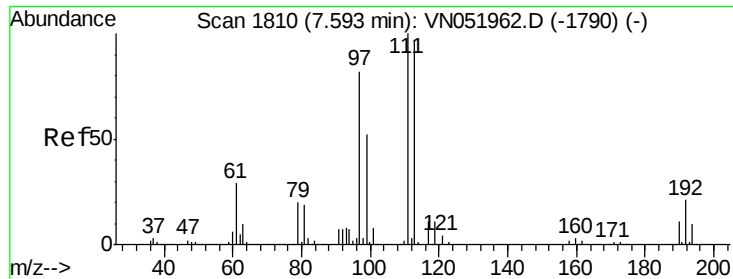
Tot Ion: 65 Resp: 600049
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052028.D
 Acq: 26 Oct 2018 15:13

Tgt Ion: 114 Resp: 1717407
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.2
 88 13.8 0.0 27.0

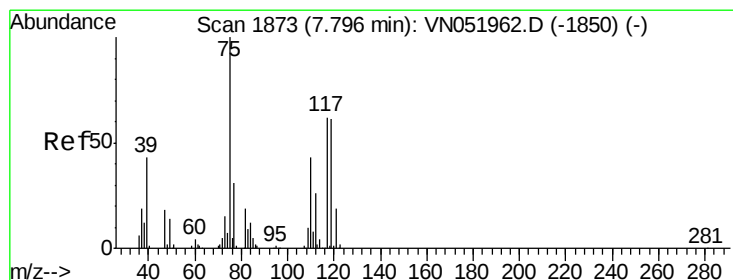
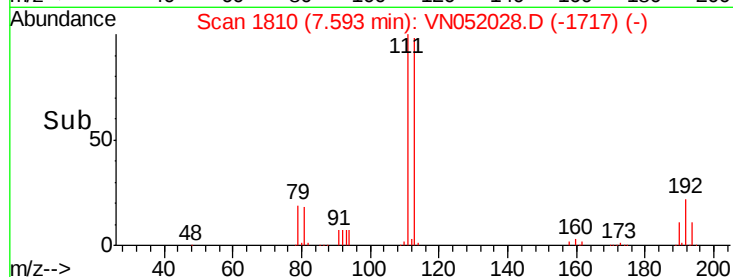
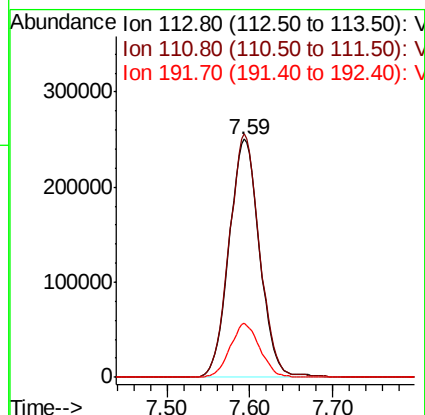
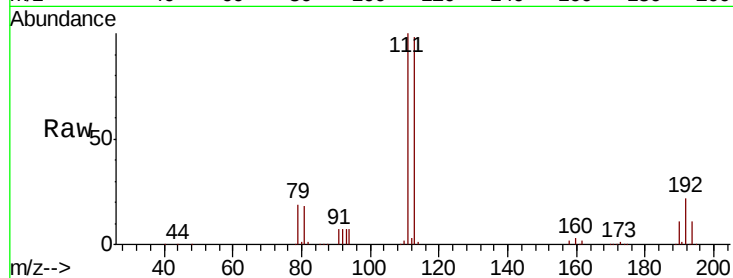




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052028.D
 Acq: 26 Oct 2018 15:13

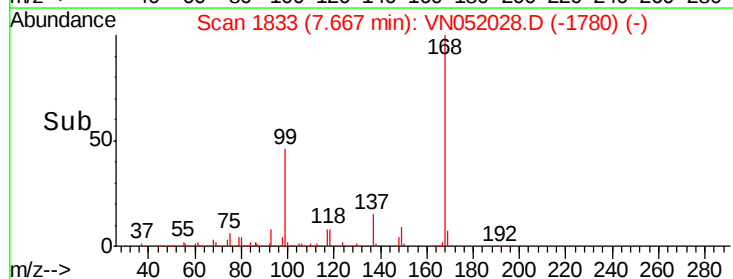
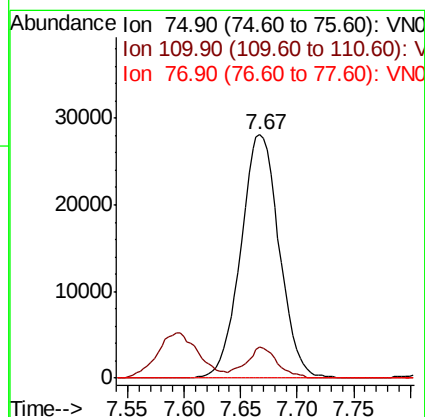
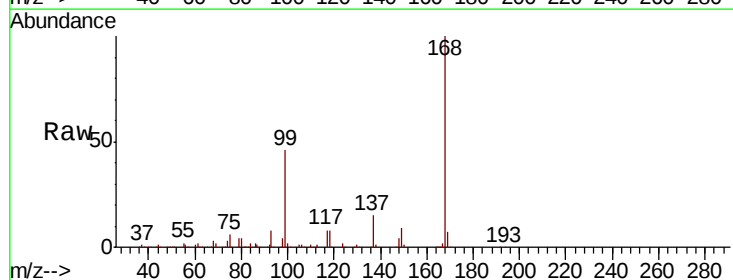
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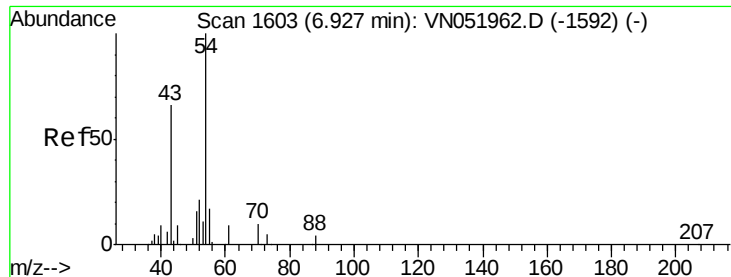
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.7	121.1
192	22.0	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052028.D
 Acq: 26 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.9	62.8#
77	0.0	24.9	37.3#

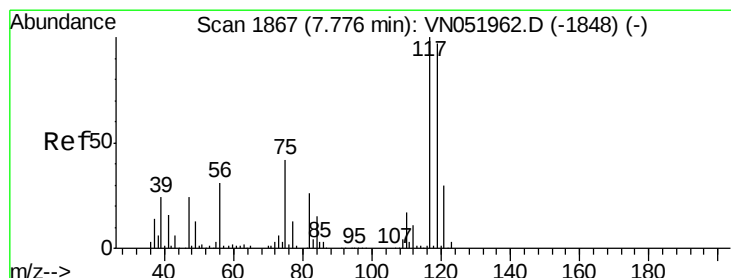
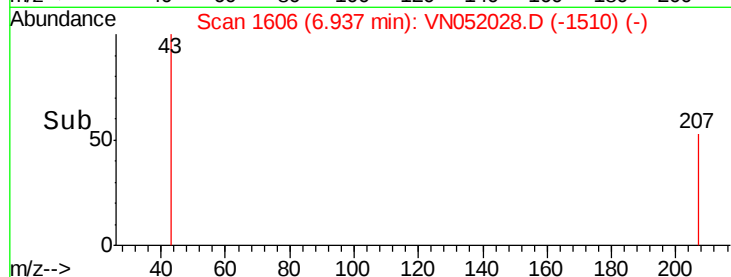
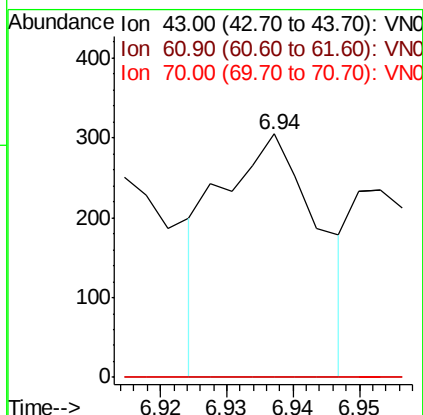
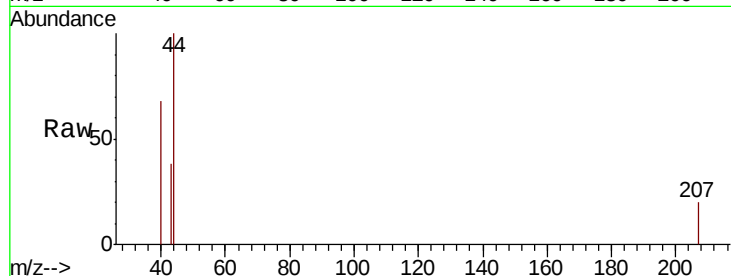




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

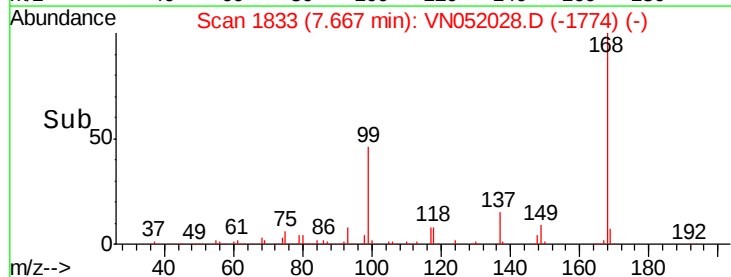
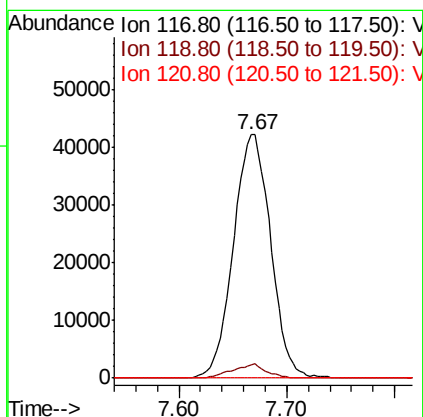
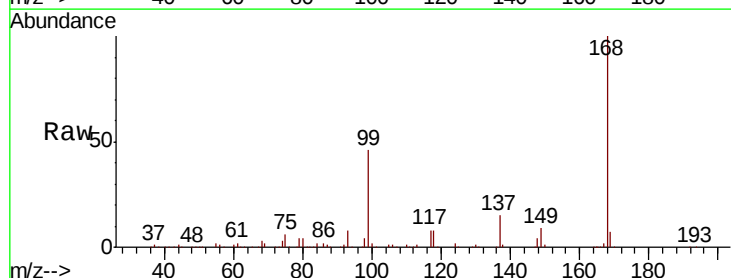
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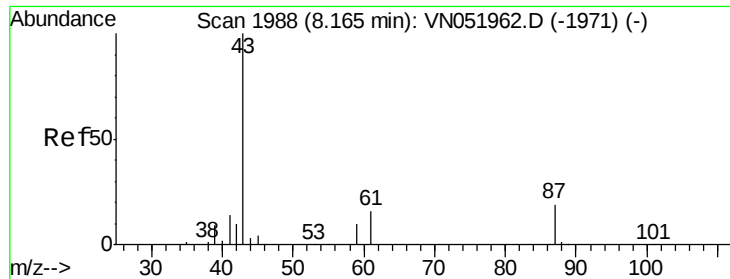
Tot Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
61 0.0 13.5 20.3#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.725 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion: 117 Resp: 101707
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 30.286 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#05

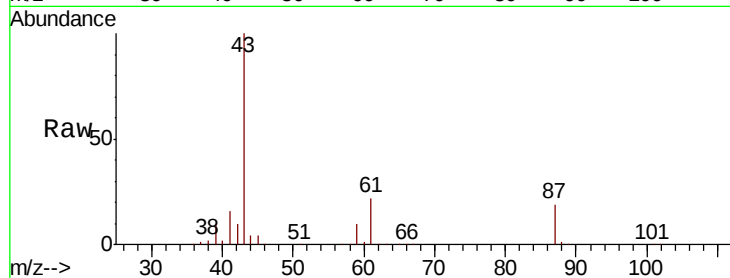
Tot Ion: 43 Resp: 334144

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

87 18.0 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.17

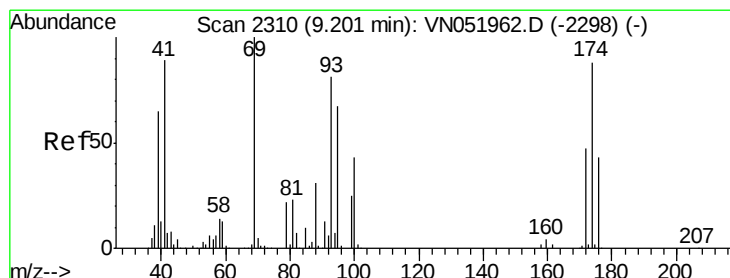
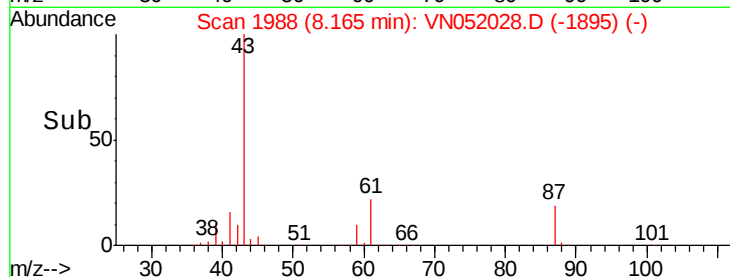
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#48

Methyl methacrylate

Concen: 1.356 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

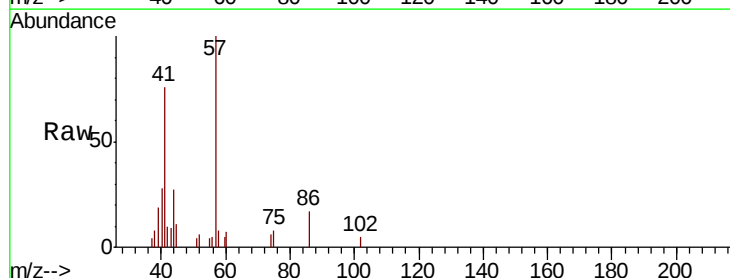
Tgt Ion: 41 Resp: 7230

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

39 24.5 60.2 90.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.18

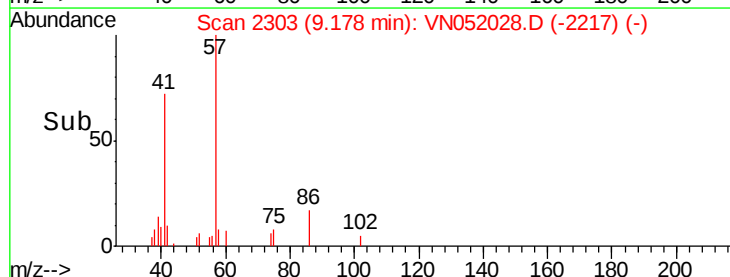
15000

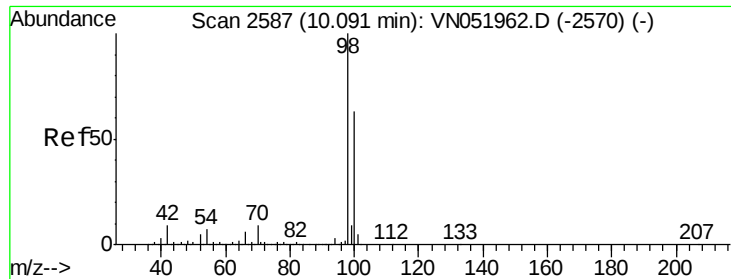
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

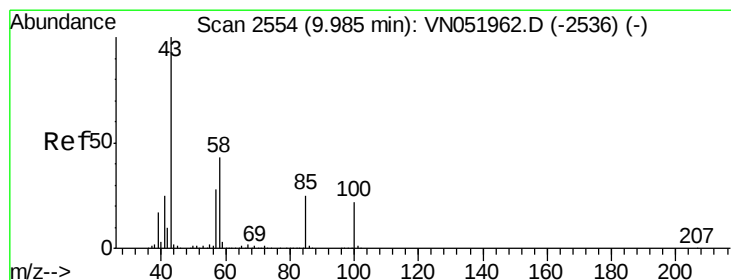
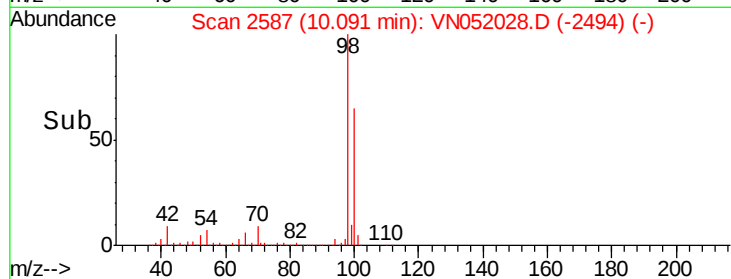
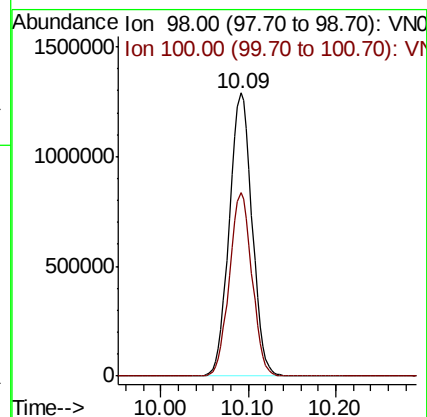
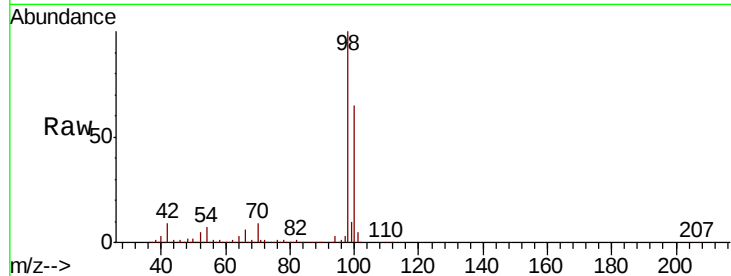
PB114195ZHE#05

Tot Ion: 98 Resp: 2333531

Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN052028.D

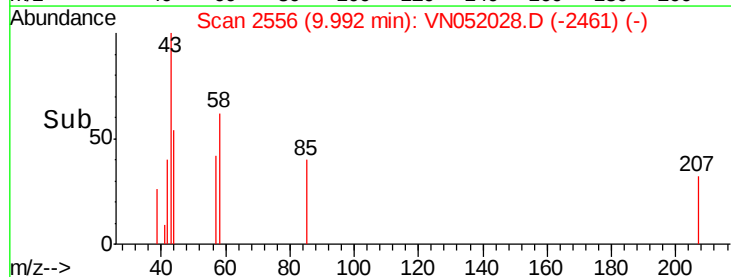
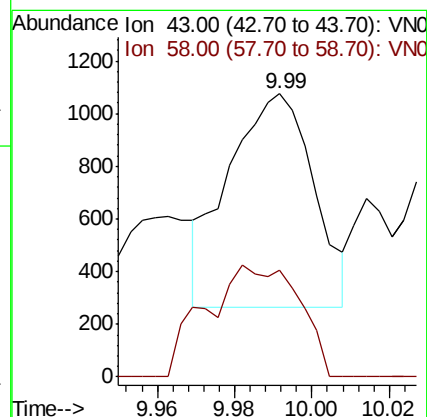
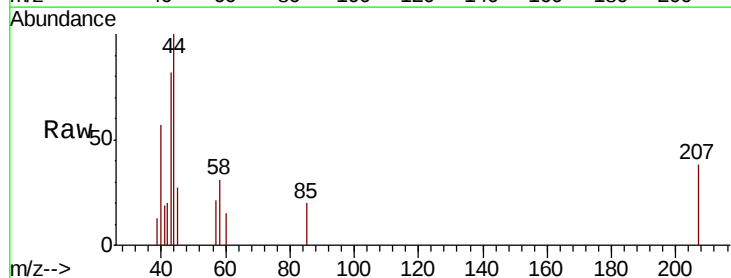
Acq: 26 Oct 2018 15:13

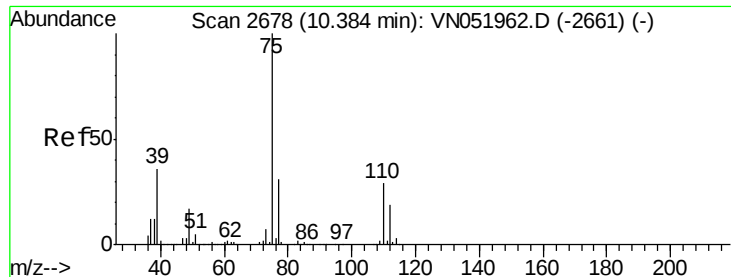
Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

58 57.7 34.8 52.2#





#53

t-1,3-Dichloropropene

Concen: 1.249 ug/l

RT: 10.57 min Scan# 2735

Delta R.T. 0.18 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

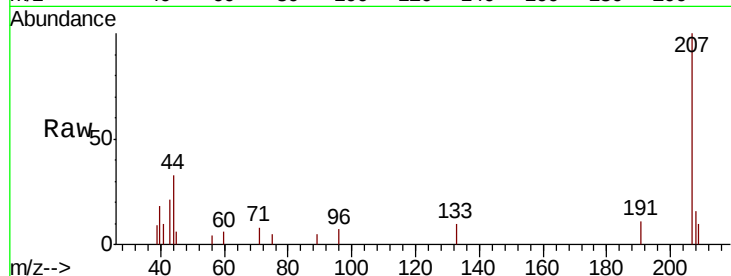
PB114195ZHE#05

Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

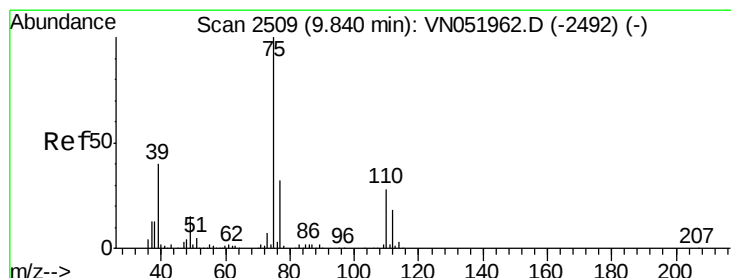
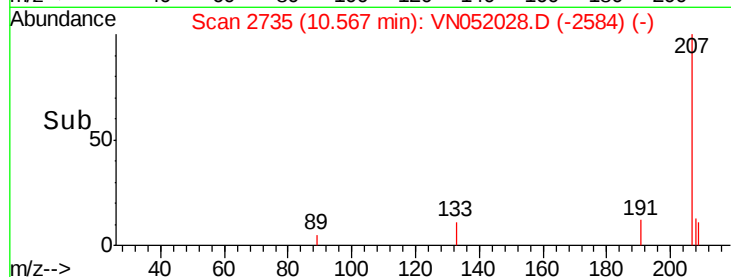
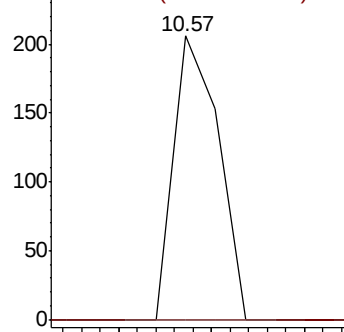
75 100

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.243 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

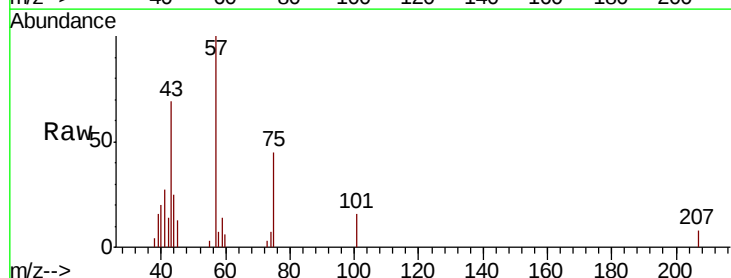
Tgt Ion: 75 Resp: 3417

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

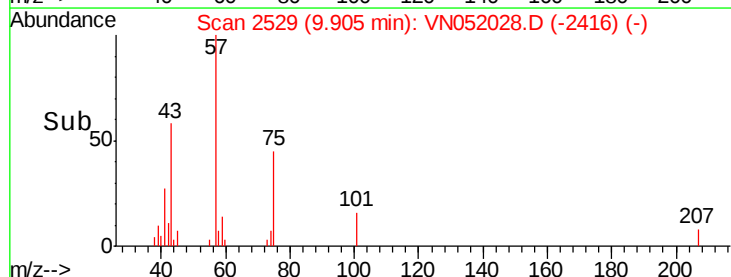
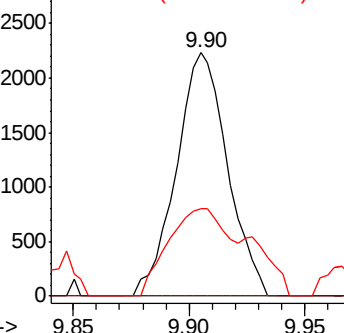
39 35.9 32.0 48.0

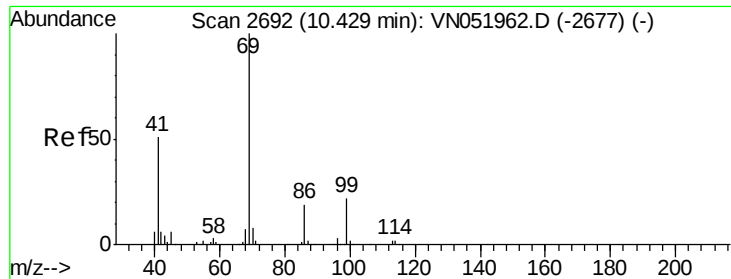


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

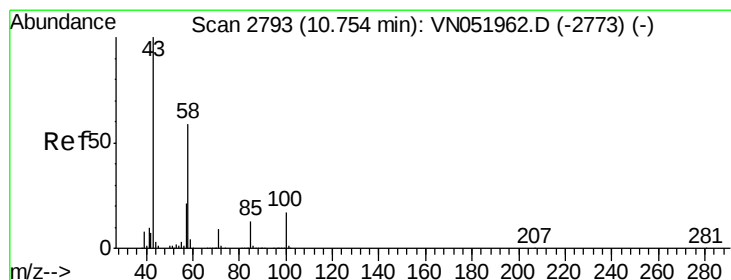
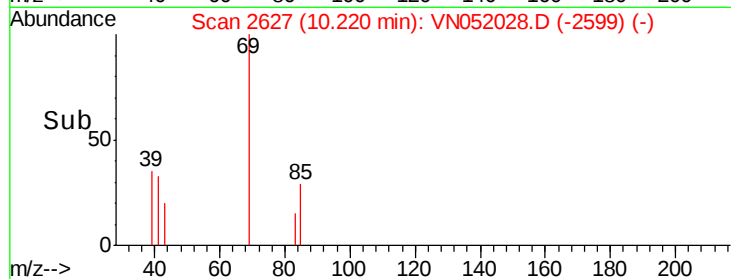
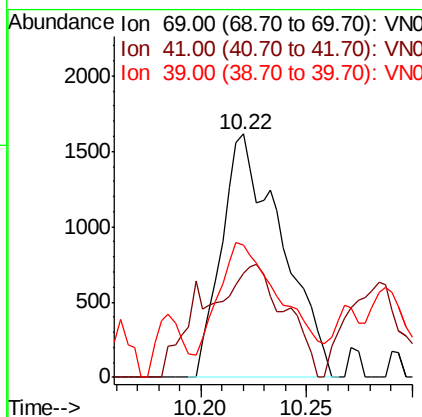
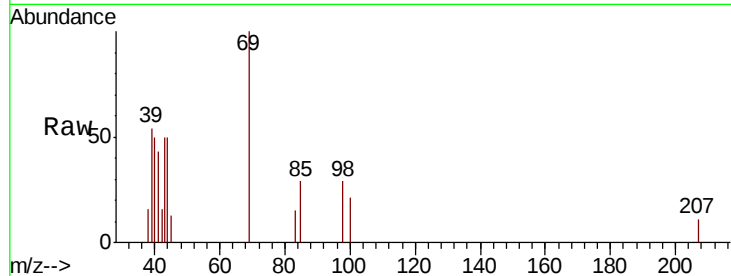




#56
Ethyl methacrylate
Concen: 0.302 ug/l
RT: 10.22 min Scan# 2627
Delta R.T. -0.21 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

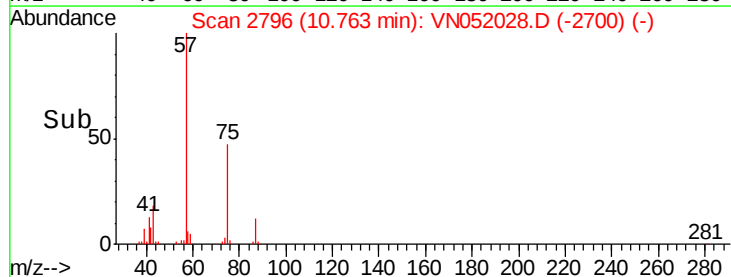
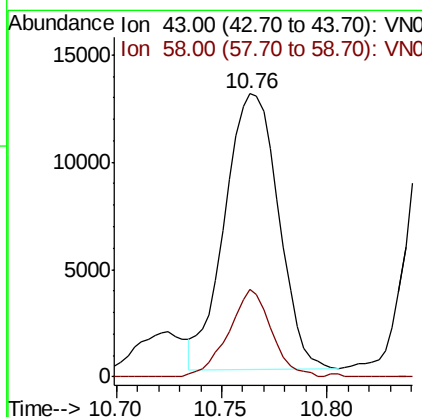
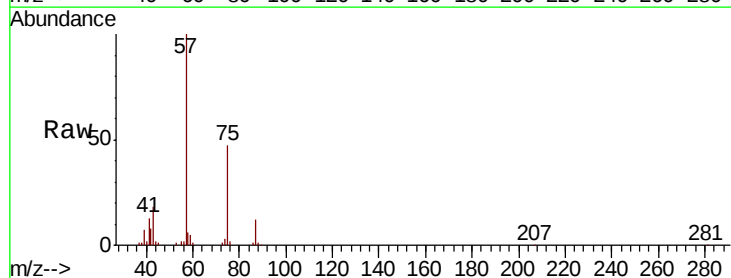
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#05

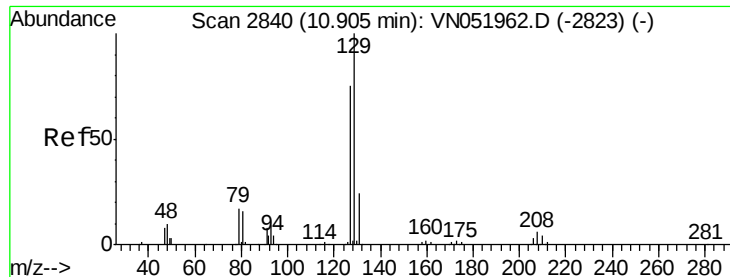
Tot Ion: 69 Resp: 3182
Ion Ratio Lower Upper
69 100
41 40.9 40.7 61.1
39 51.6 29.3 43.9#



#59
2-Hexanone
Concen: 5.585 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion: 43 Resp: 22773
Ion Ratio Lower Upper
43 100
58 25.2 29.9 89.8#





#60

Dibromochloromethane

Concen: 1.992 ug/l

RT: 10.64 min Scan# 2758

Delta R.T. -0.26 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

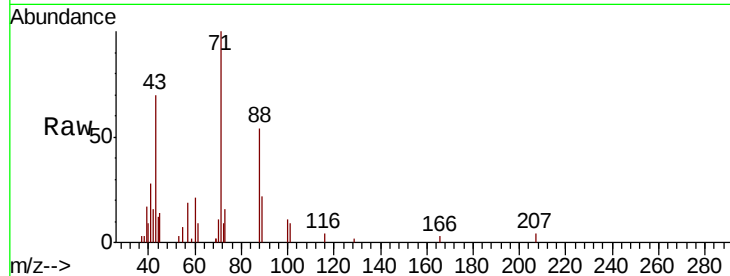
PB114195ZHE#05

Tot Ion:129 Resp: 184

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.64

250

200

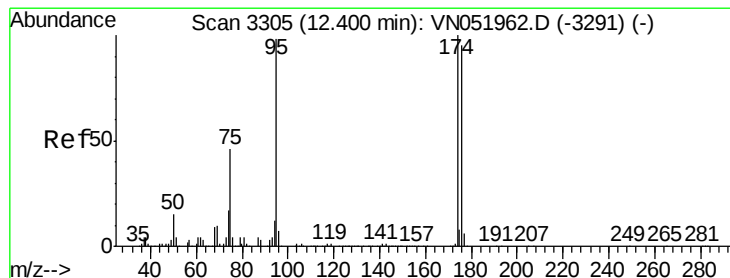
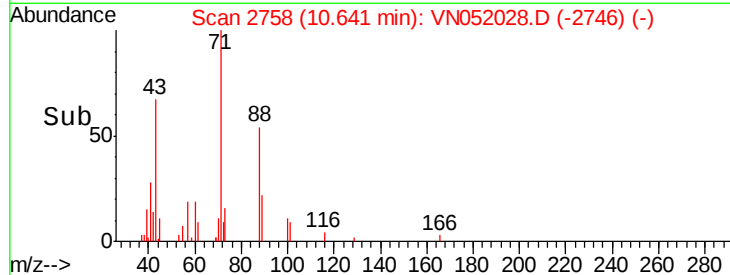
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

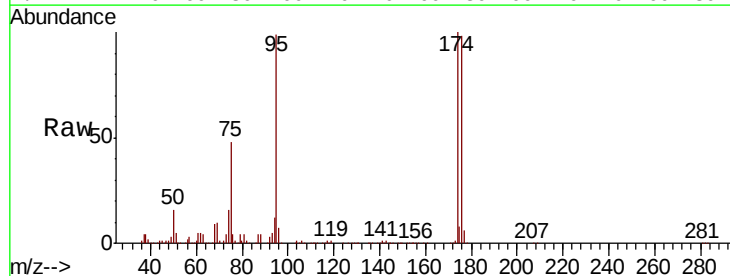
Tgt Ion: 95 Resp: 765725

Ion Ratio Lower Upper

95 100

174 102.0 0.0 206.0

176 100.0 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

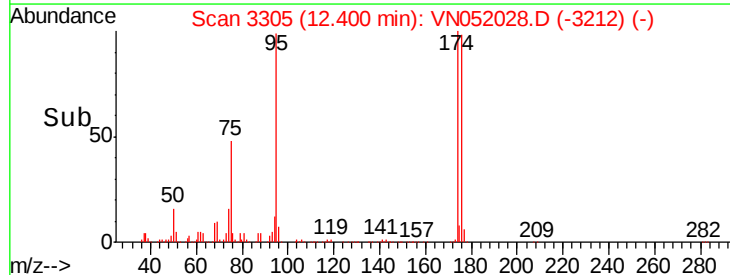
300000

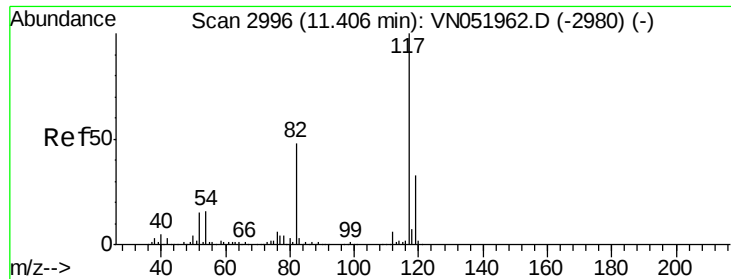
200000

100000

0

Time-->

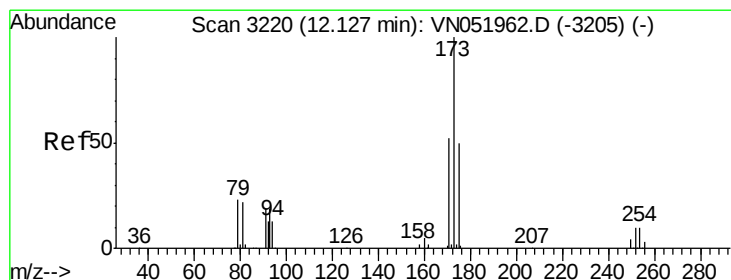
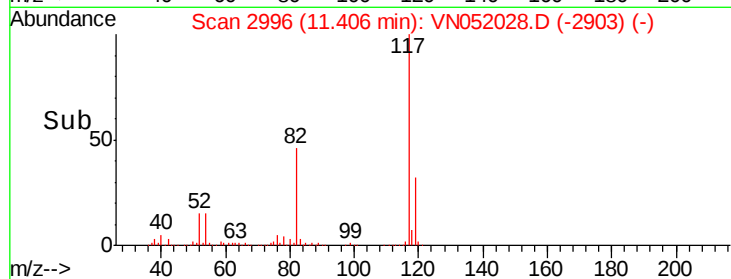
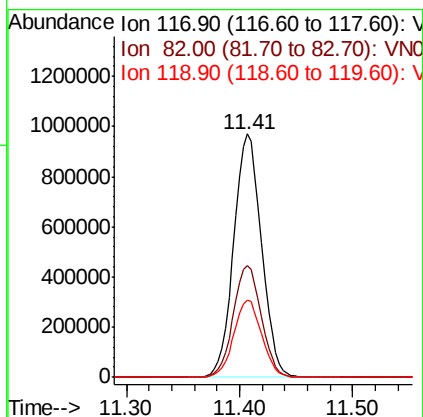
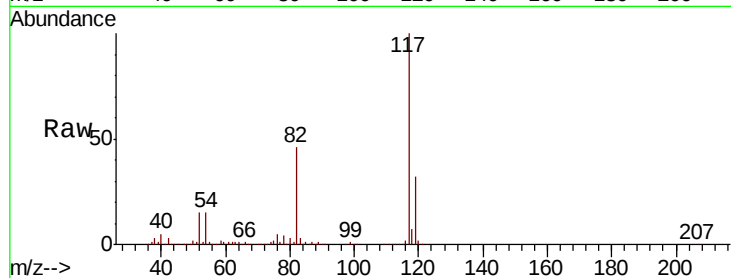




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

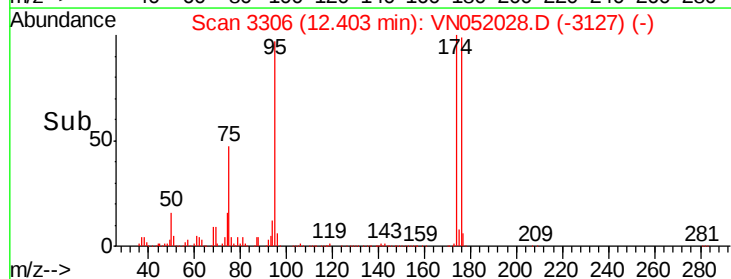
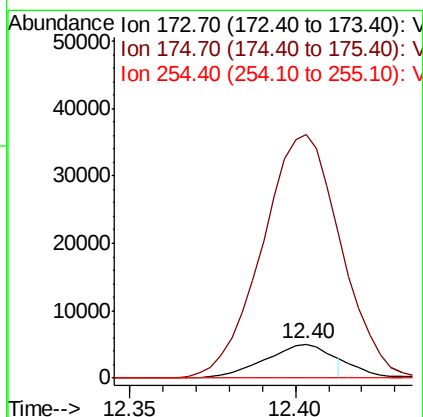
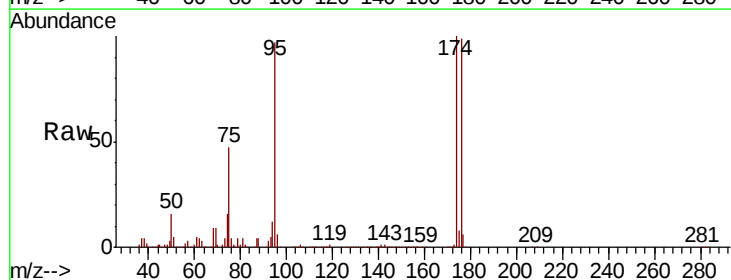
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#05

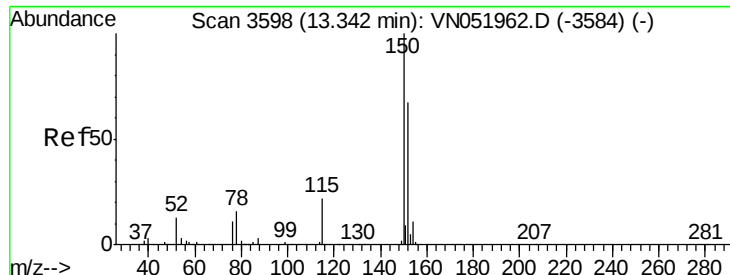
Tot Ion:117 Resp: 1659884
Ion Ratio Lower Upper
117 100
82 46.1 38.1 57.1
119 31.8 26.4 39.6



#71
Bromoform
Concen: 4.415 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052028.D
Acq: 26 Oct 2018 15:13

Tgt Ion:173 Resp: 6947
Ion Ratio Lower Upper
173 100
175 754.9 24.6 74.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#05

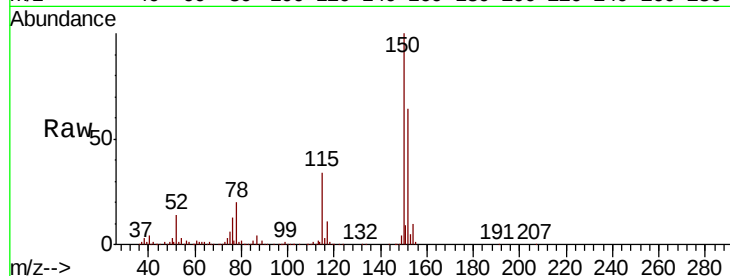
Tot Ion:152 Resp: 794338

Ion Ratio Lower Upper

152 100

115 52.9 25.8 77.3

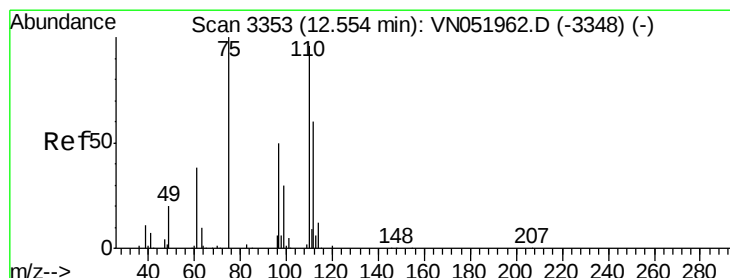
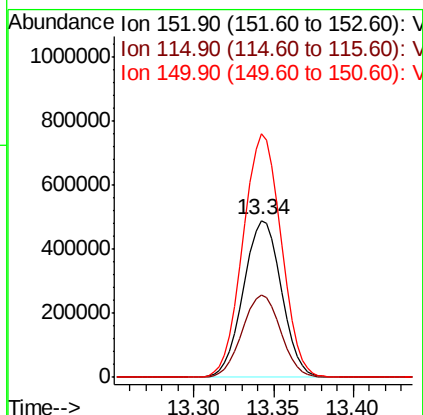
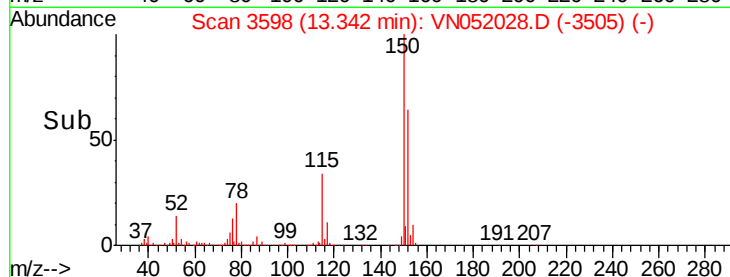
150 156.2 0.0 344.4



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: 44.602 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052028.D

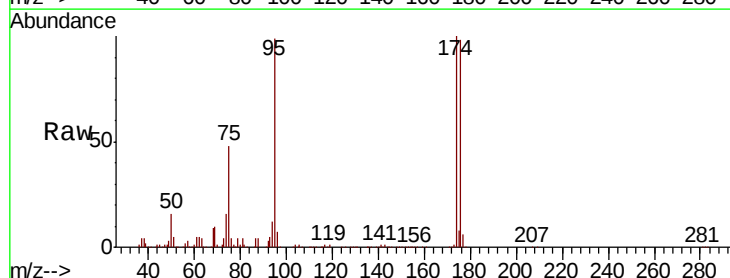
Acq: 26 Oct 2018 15:13

Tgt Ion: 75 Resp: 365963

Ion Ratio Lower Upper

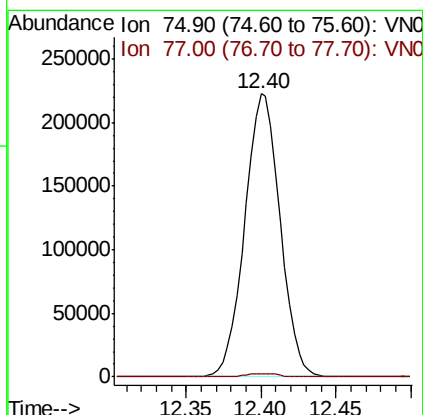
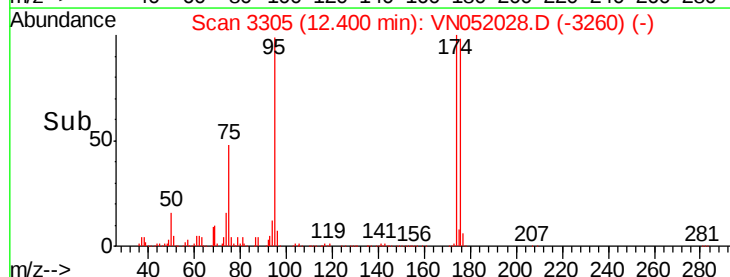
75 100

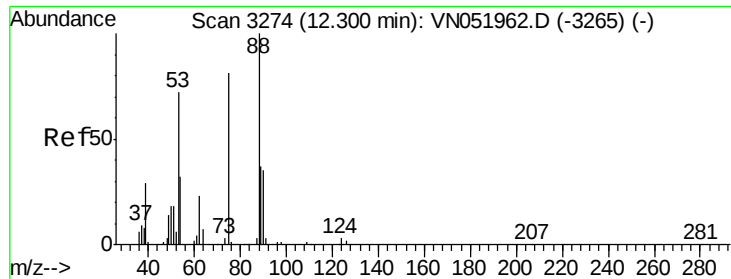
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 140.394 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052028.D

Acq: 26 Oct 2018 15:13

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#05

Tot Ion: 75 Resp: 365963

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#

