

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052029.D
 Acq On : 26 Oct 2018 15:40
 Operator : MD\SY
 Sample : PB114195ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#06

Quant Time: Oct 26 23:23:37 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	1174303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1708895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1627623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	776431	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	597921	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
35) Dibromofluoromethane	7.59	113	617825	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
50) Toluene-d8	10.09	98	2327916	59.08	ug/l	0.00
Spiked Amount			Recovery	=	118.16%	
62) 4-Bromofluorobenzene	12.40	95	752738	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

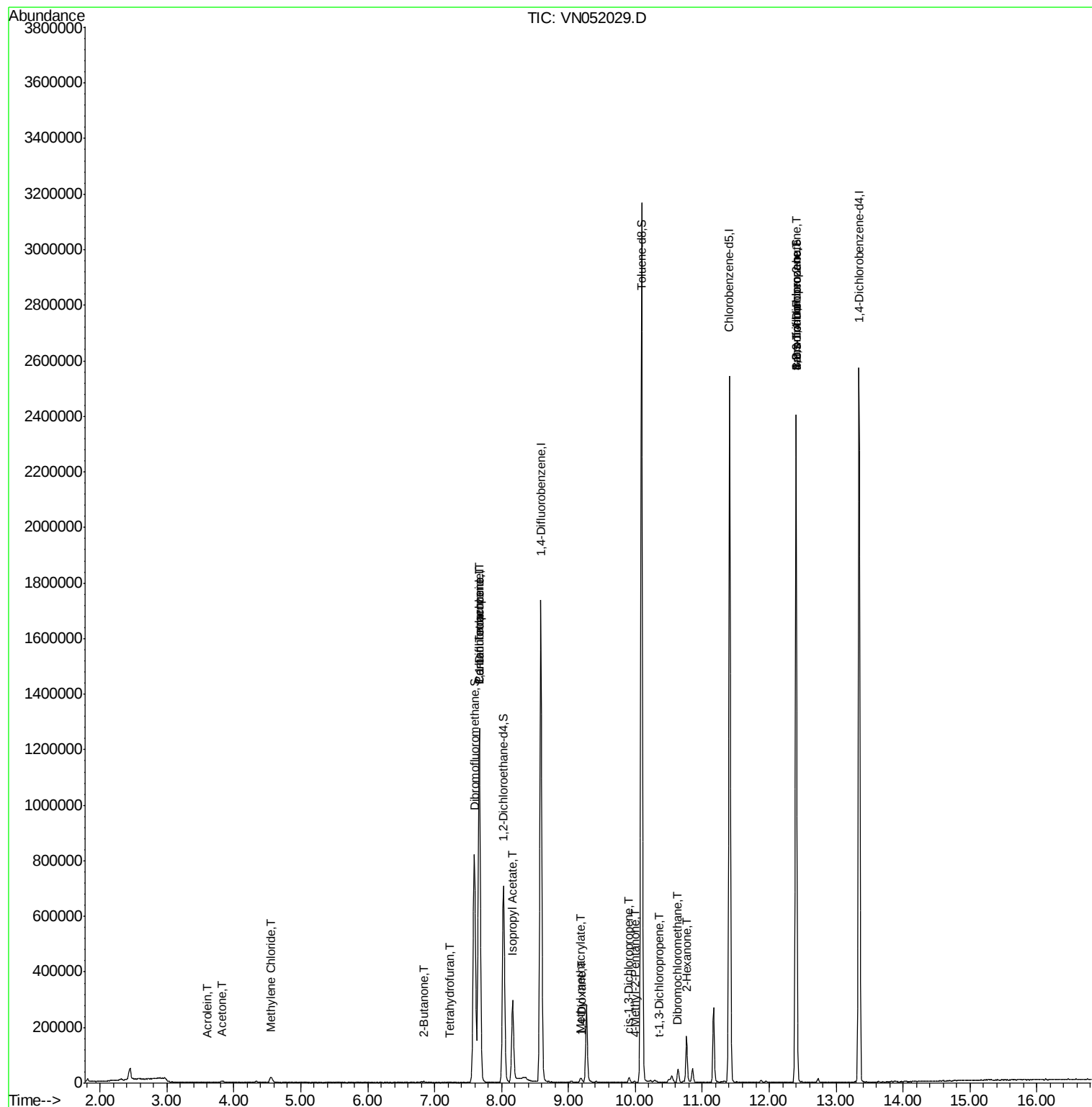
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	71	37.466	ug/l #	69
16) Acetone	3.82	43	9880	5.734	ug/l #	88
18) Methyl Acetate	4.33	43	7383	Below Cal	#	81
20) Methylene Chloride	4.55	84	16242	1.607	ug/l	91
25) 2-Butanone	6.85	43	2401	0.977	ug/l	88
29) Tetrahydrofuran	7.23	42	566	0.340	ug/l #	75
31) Cyclohexane	7.67	56	17578	Below Cal	#	32
36) 1,1-Dichloropropene	7.67	75	66906	5.104	ug/l #	47
37) Ethyl Acetate	6.94	43	255	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	96691	6.425	ug/l #	15
43) Isopropyl Acetate	8.17	43	341211	31.081	ug/l	98
48) Methyl methacrylate	9.18	41	8196	1.545	ug/l #	11
49) 1,4-Dioxane	9.21	88	32	0.329	ug/l #	1
51) 4-Methyl-2-Pentanone	10.00	43	1626	0.269	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	63	1.249	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	3553	0.254	ug/l #	70
59) 2-Hexanone	10.76	43	21502	5.299	ug/l #	51
60) Dibromochloromethane	10.63	129	244	1.996	ug/l #	11
71) Bromoform	12.40	173	6051	4.334	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	360760	44.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	360760	141.574	ug/l #	12

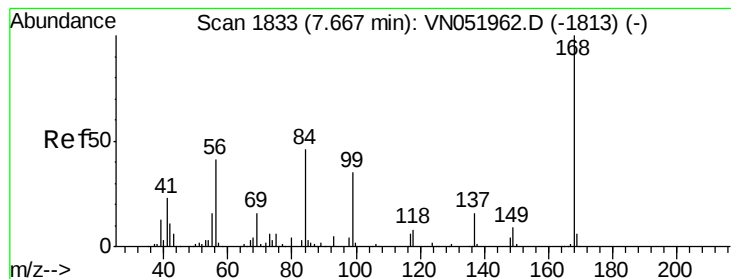
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

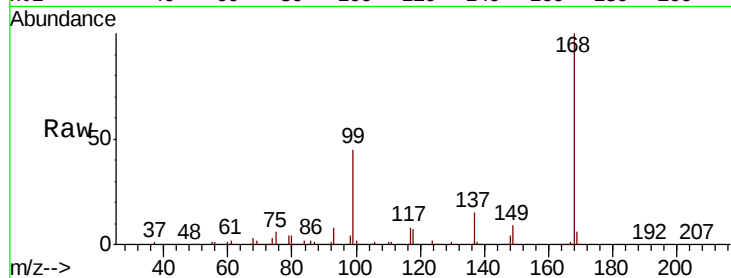
PB114195ZHE#06

Tot Ion:168 Resp: 1174303

Ion Ratio Lower Upper

168 100

99 45.3 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

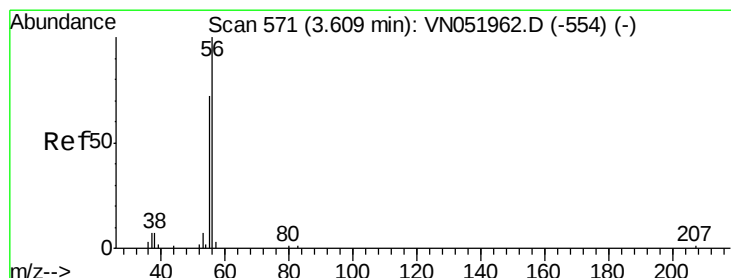
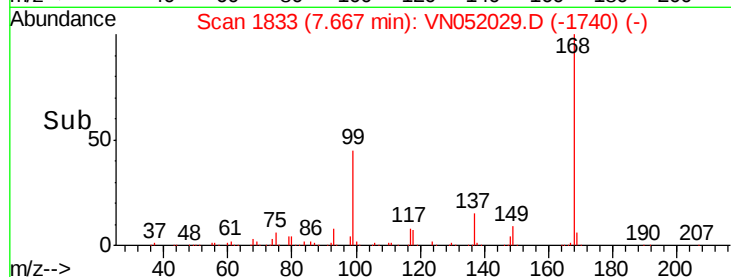
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 37.466 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052029.D

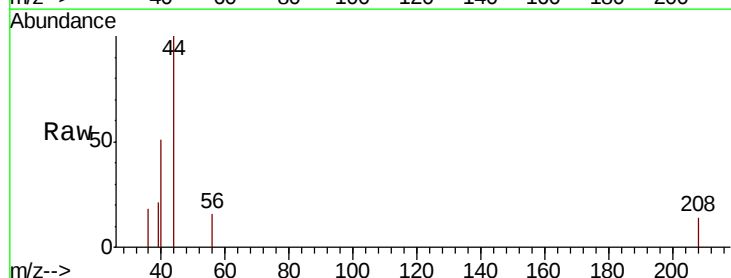
Acq: 26 Oct 2018 15:40

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 45.1 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) (-)

3.60

200

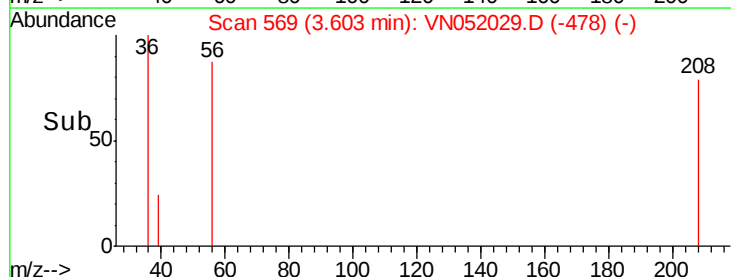
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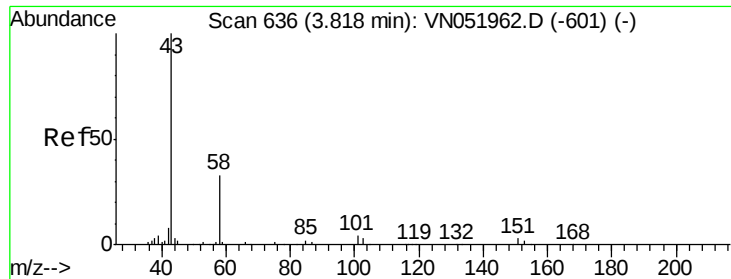
100

50

0

Time-->





#16

Acetone

Concen: 5.734 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

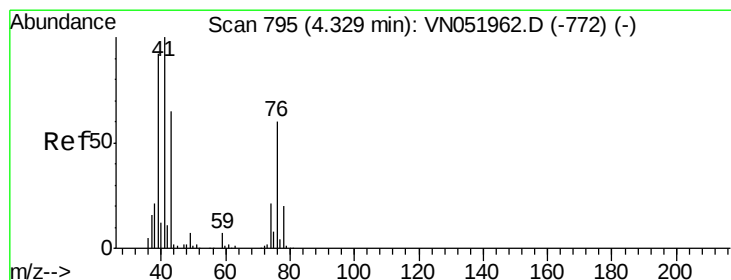
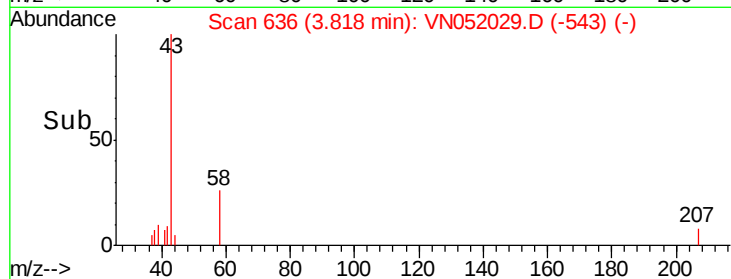
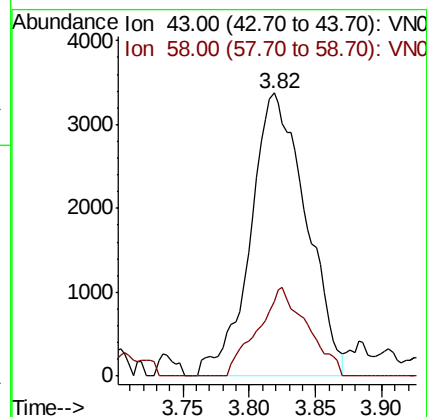
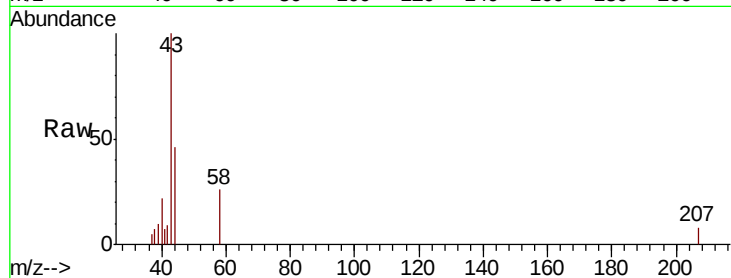
PB114195ZHE#06

Tot Ion: 43 Resp: 9880

Ion Ratio Lower Upper

43 100

58 26.3 26.7 40.1#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052029.D

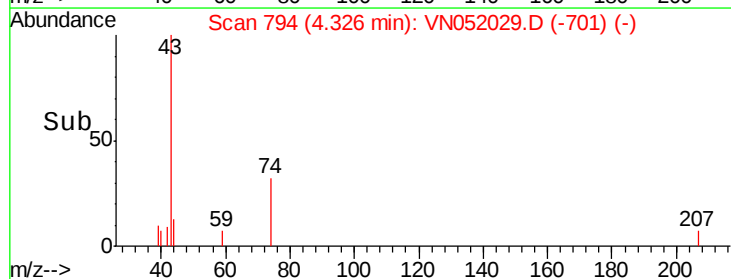
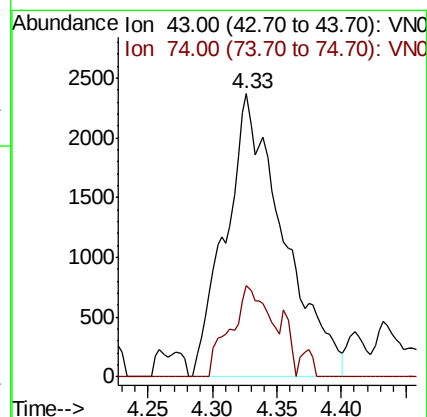
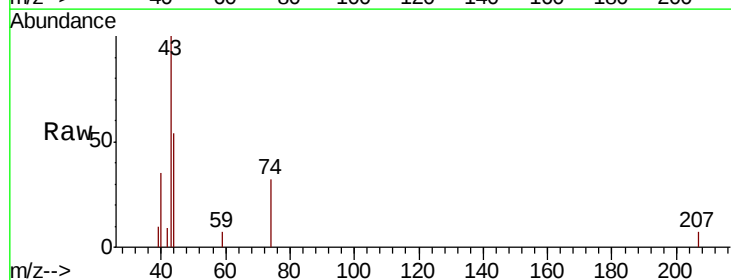
Acq: 26 Oct 2018 15:40

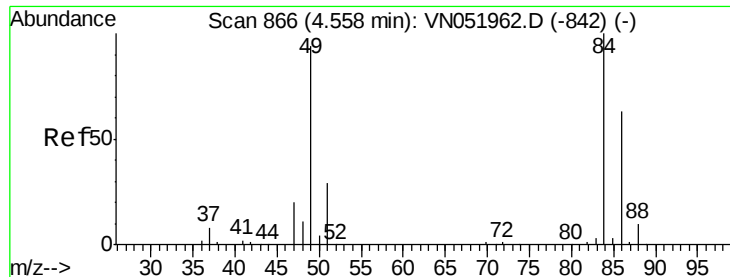
Tgt Ion: 43 Resp: 7383

Ion Ratio Lower Upper

43 100

74 21.6 25.7 38.5#

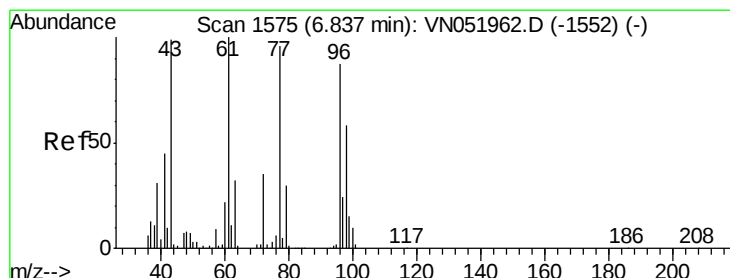
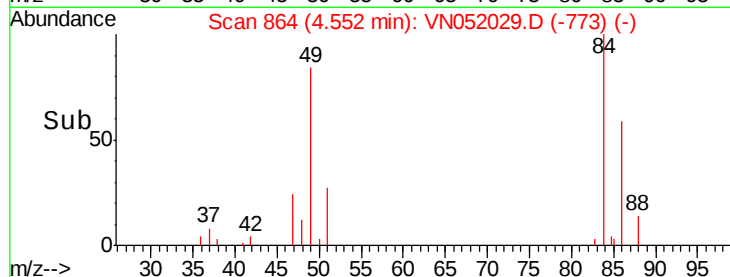
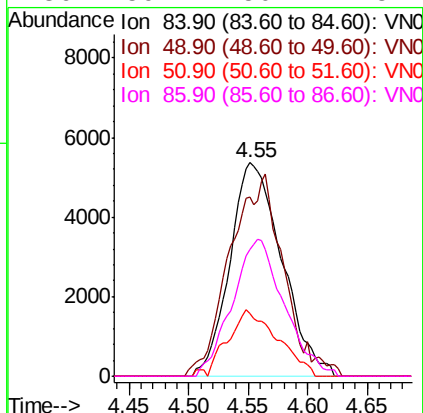
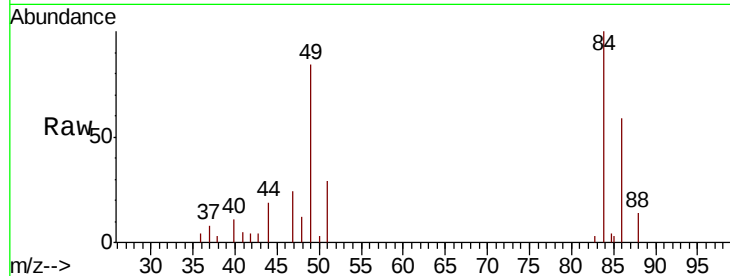




#20
Methvlene Chloride
Concen: 1.607 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

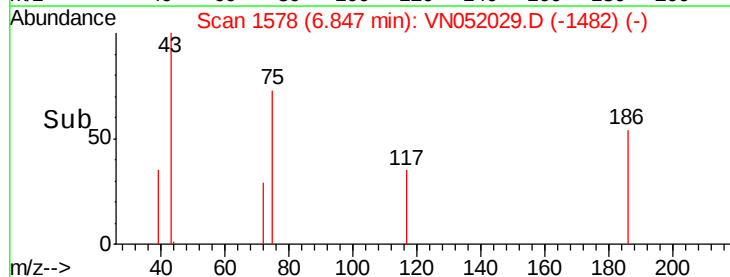
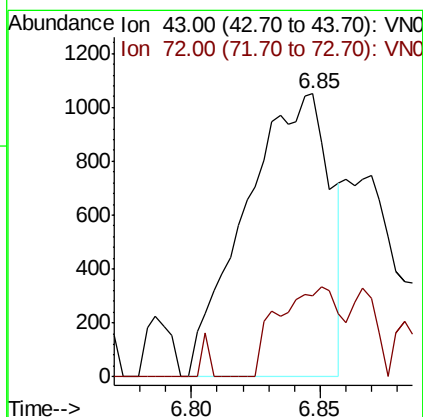
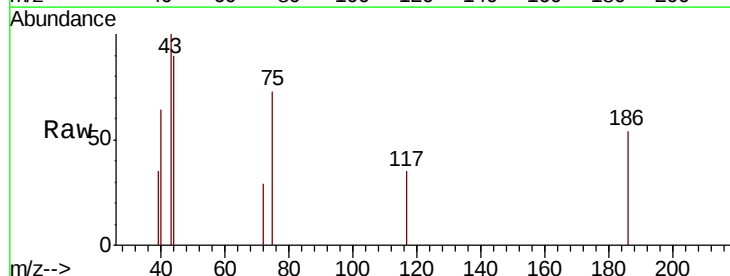
Instrument :
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ClientSampleId :
PB114195ZHE#06

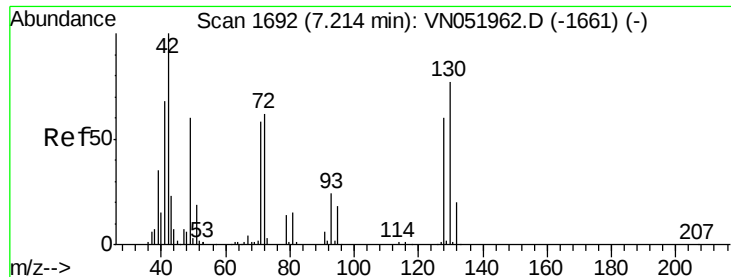
Tot Ion:	84	Resp:	16242
Ion	Ratio	Lower	Upper
84	100		
49	81.0	75.4	113.0
51	29.5	23.1	34.7
86	59.4	50.2	75.4



#25
2-Butanone
Concen: 0.977 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

Tgt Ion:	43	Resp:	2401
Ion	Ratio	Lower	Upper
43	100		
72	28.7	28.5	42.7

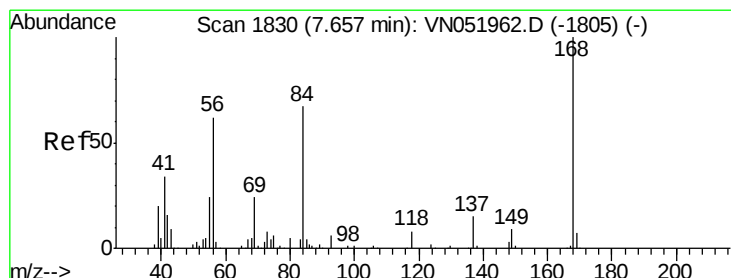
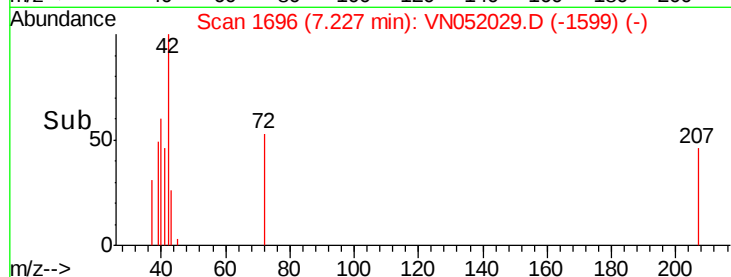
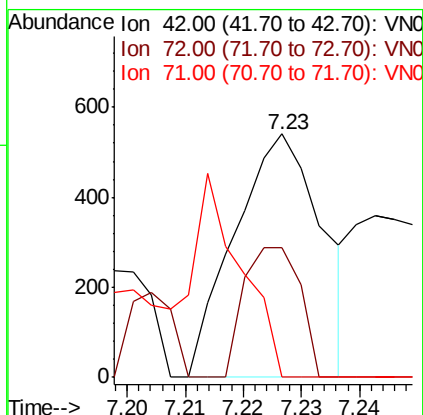
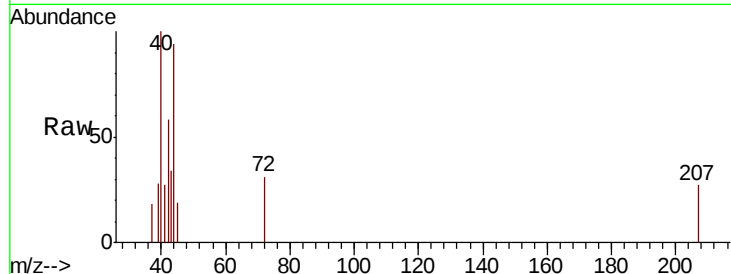




#29
Tetrahydrofuran
Concen: 0.340 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

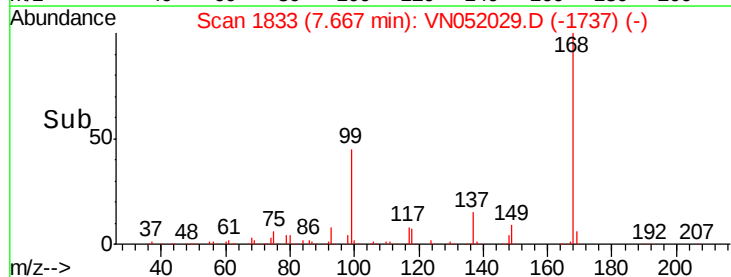
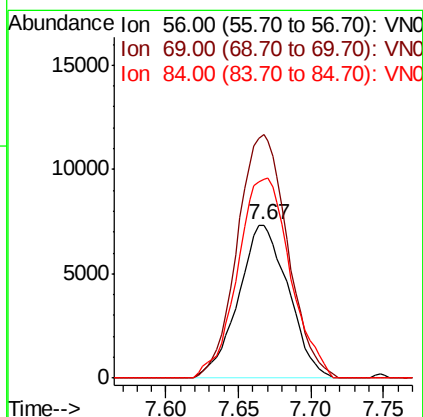
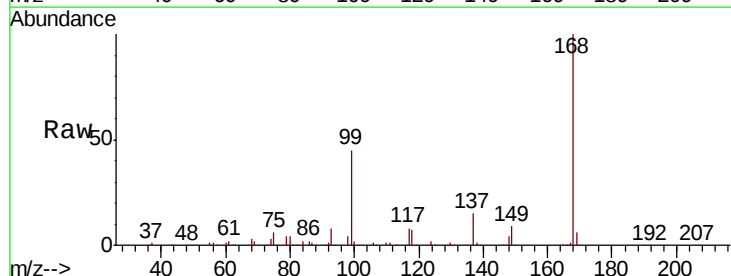
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#06

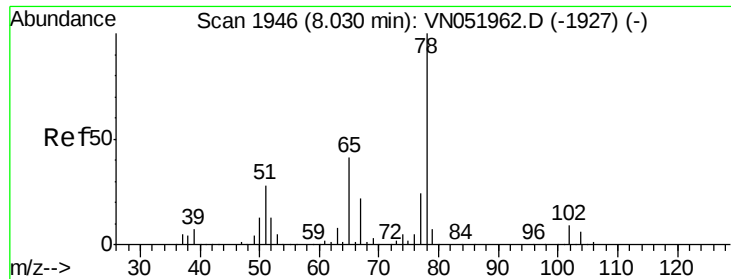
Tot Ion: 42 Resp: 566
Ion Ratio Lower Upper
42 100
72 34.3 47.5 71.3#
71 45.4 45.4 68.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 56 Resp: 17578
Ion Ratio Lower Upper
56 100
69 159.1 31.2 46.8#
84 130.0 86.3 129.5#

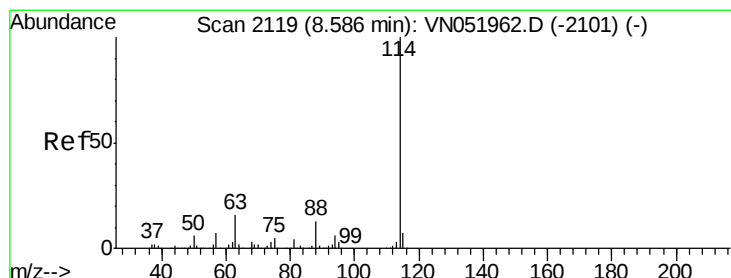
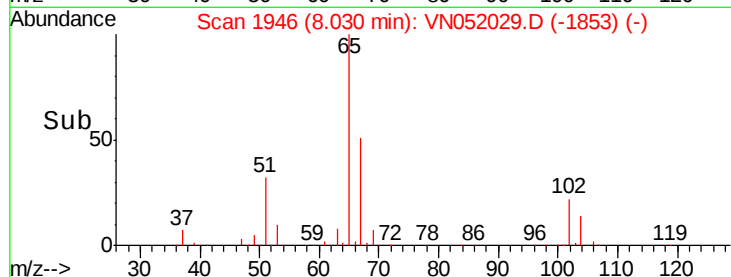
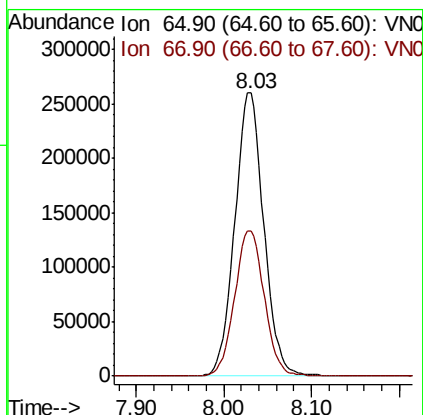
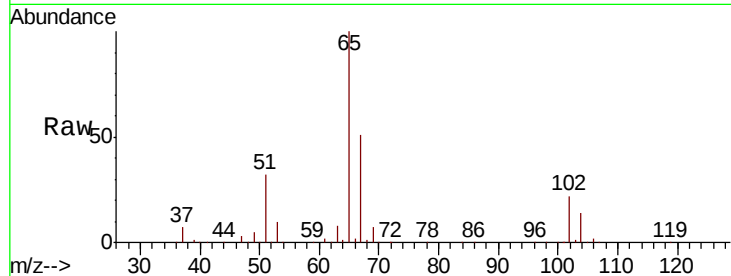




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

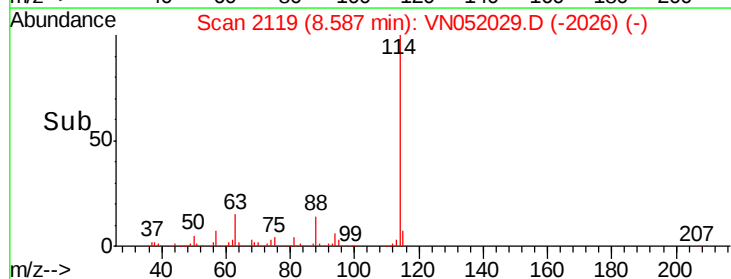
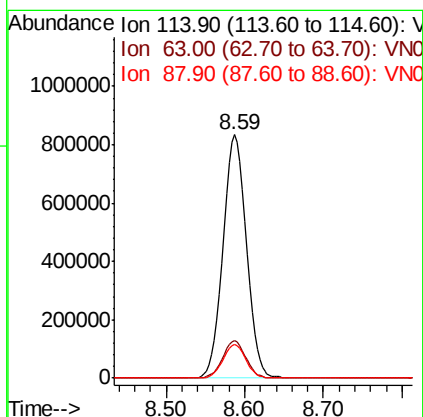
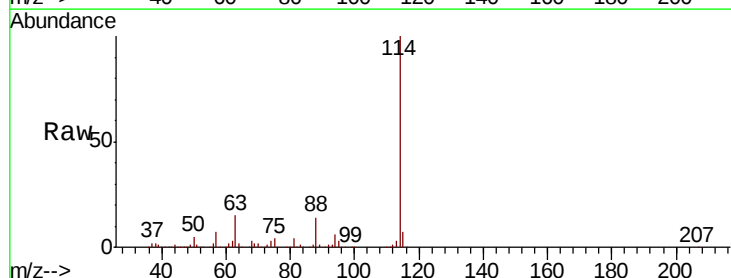
Instrument :
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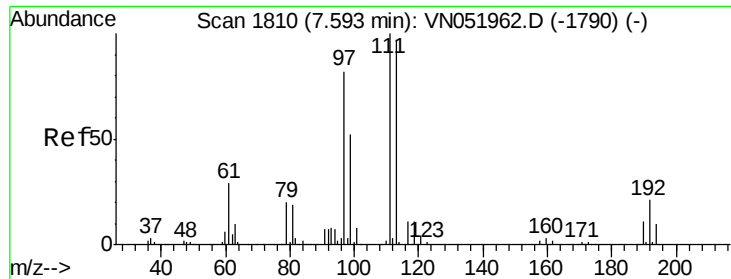
Tot Ion: 65 Resp: 597921
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 114 Resp: 1708895
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 13.8 0.0 27.0

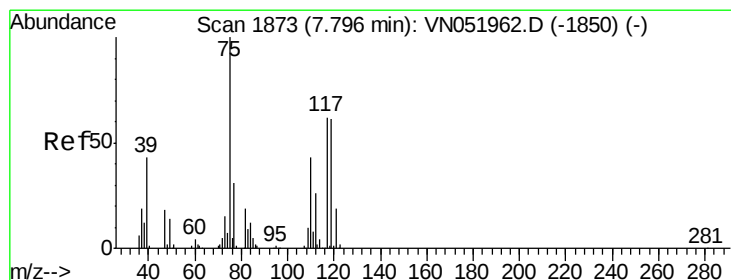
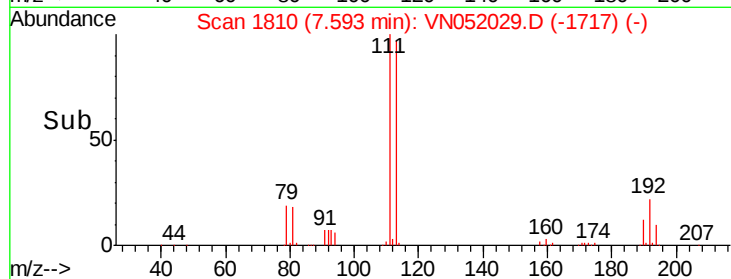
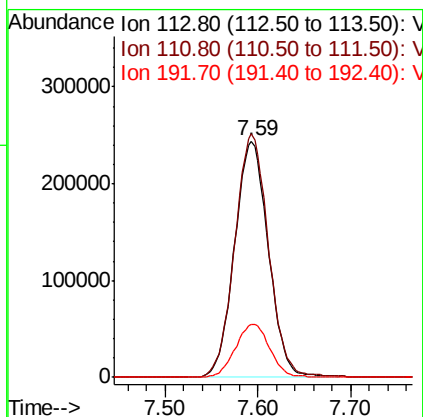
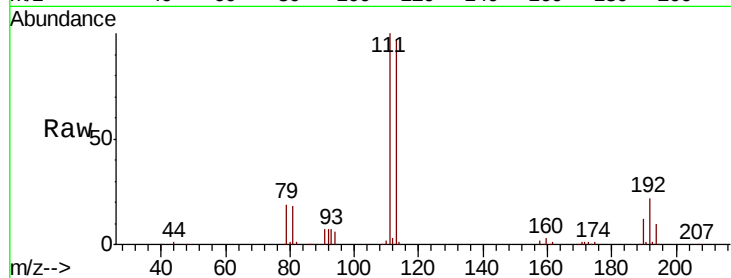




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

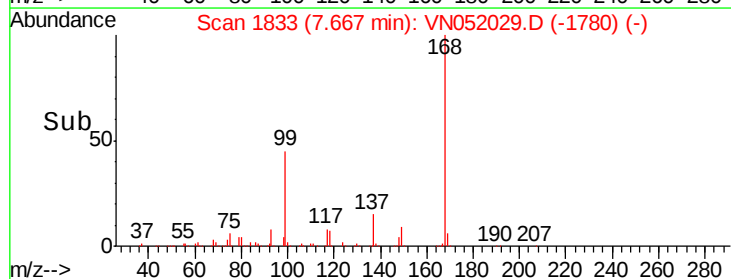
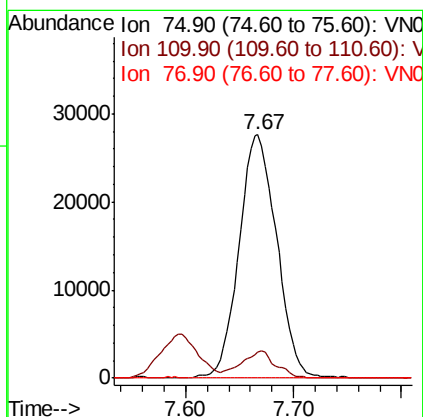
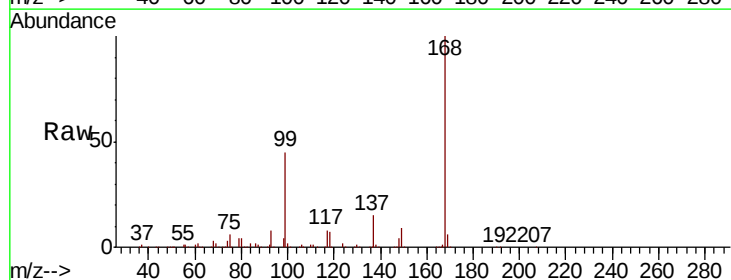
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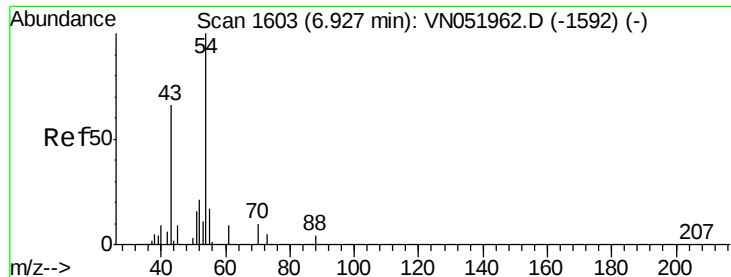
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.7	121.1
192	22.9	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.9	62.8#
77	0.0	24.9	37.3#

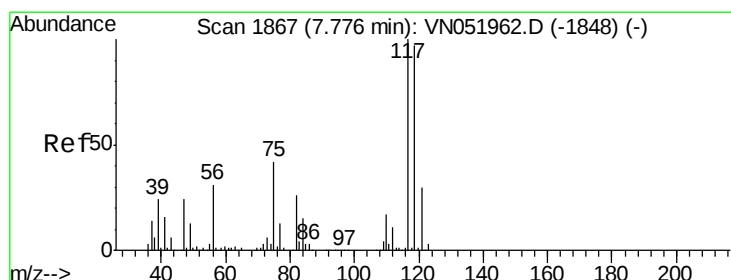
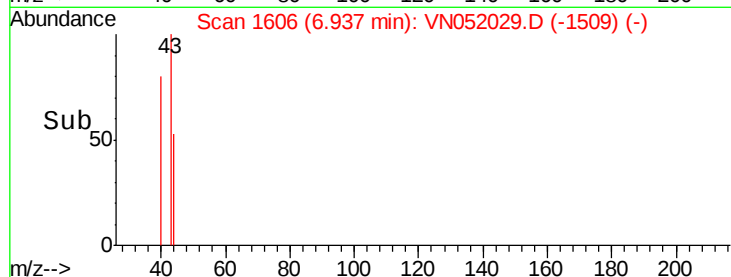
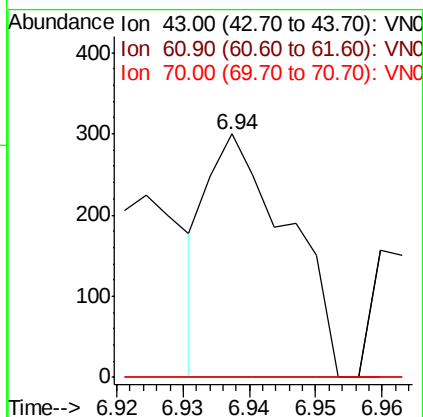
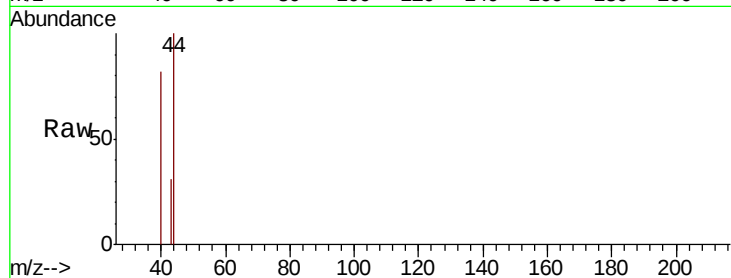




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

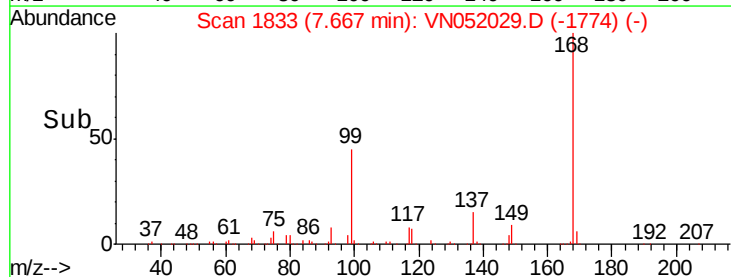
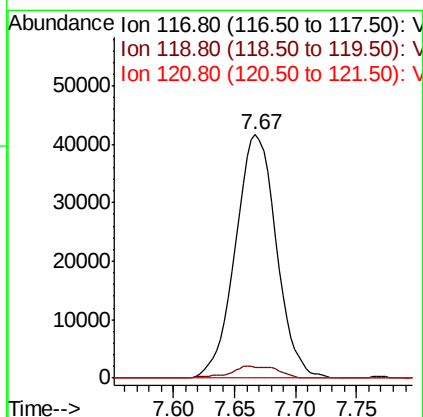
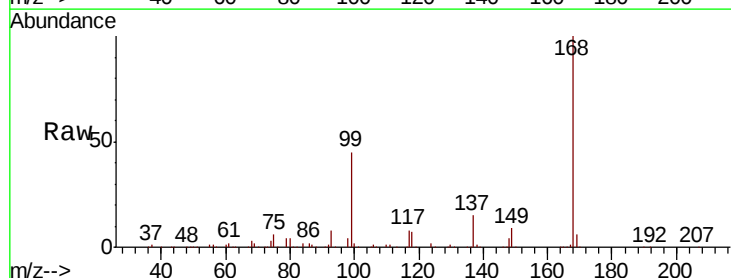
Instrument :
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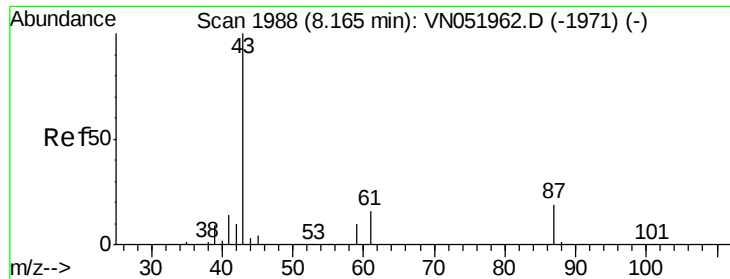
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.5	20.3#
70	0.0	9.8	14.6#



#38
Carbon Tetrachloride
Concen: 6.425 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.4	116.0#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 31.081 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#06

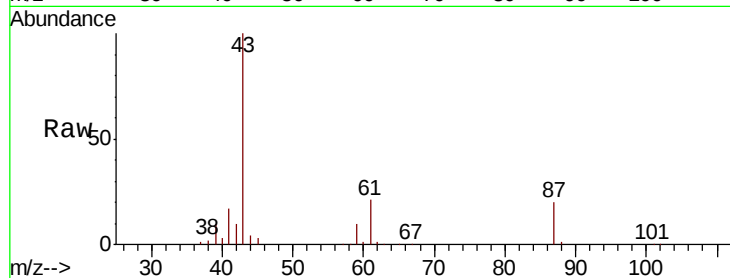
Tot Ion: 43 Resp: 341211

Ion Ratio Lower Upper

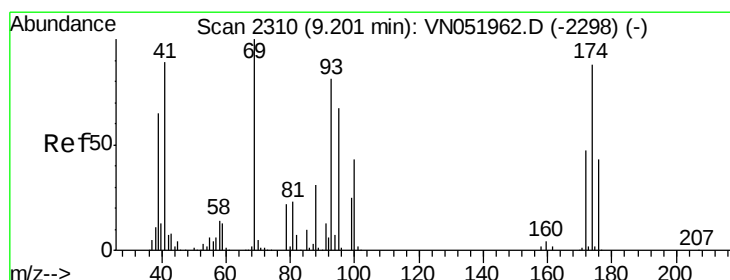
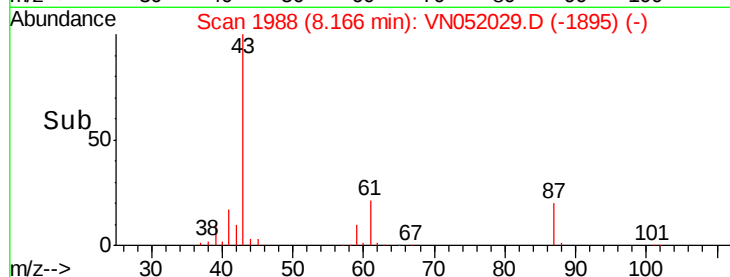
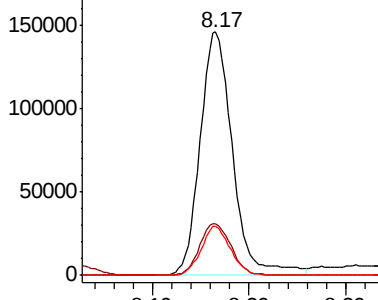
43 100

61 20.6 17.2 25.8

87 18.2 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.545 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

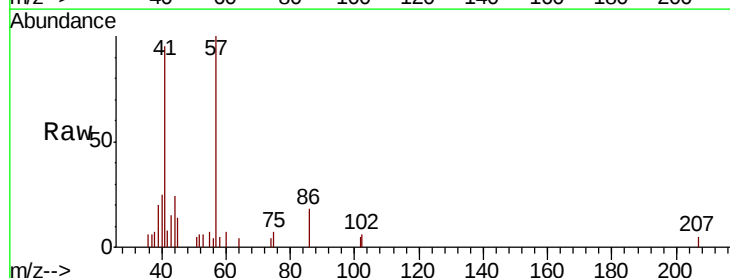
Tgt Ion: 41 Resp: 8196

Ion Ratio Lower Upper

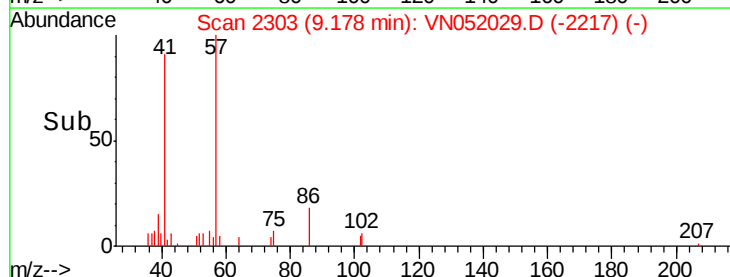
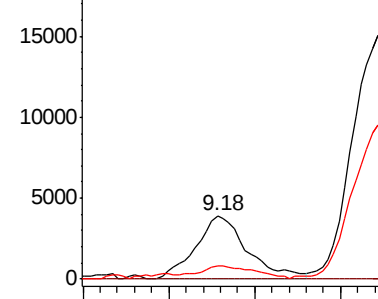
41 100

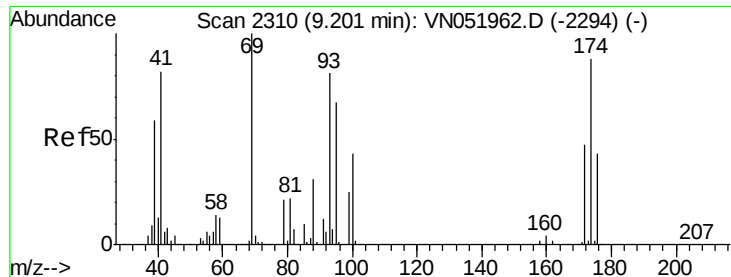
69 0.0 92.2 138.4#

39 22.1 60.2 90.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 0.329 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#06

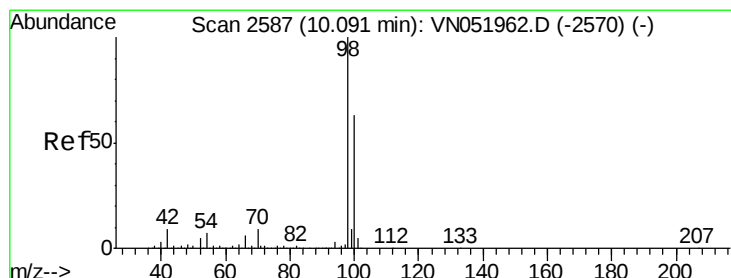
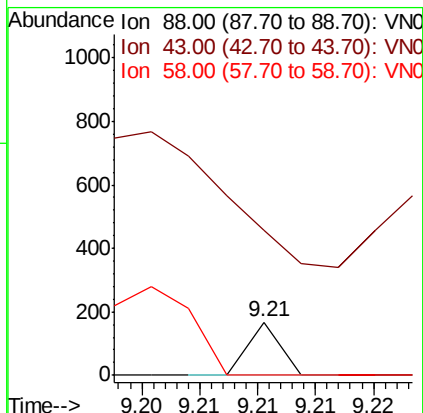
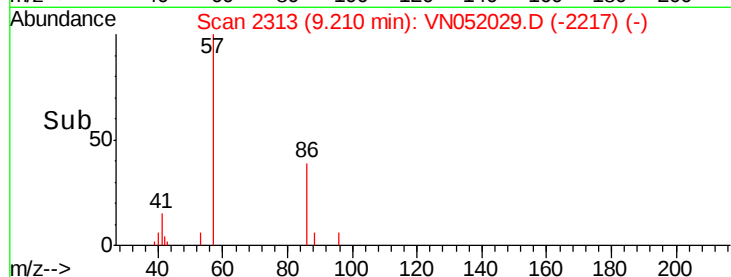
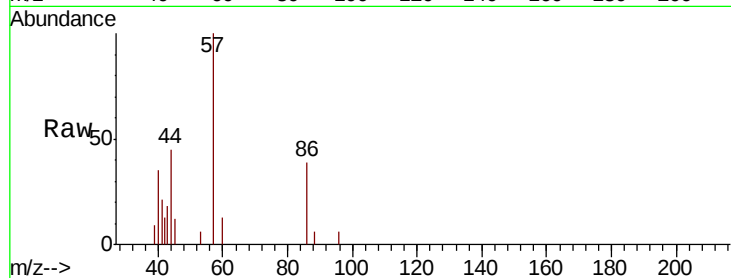
Tot Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 0.0 18.8 28.2#

58 428.1 39.8 59.6#



#50

Toluene-d8

Concen: 0.329 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052029.D

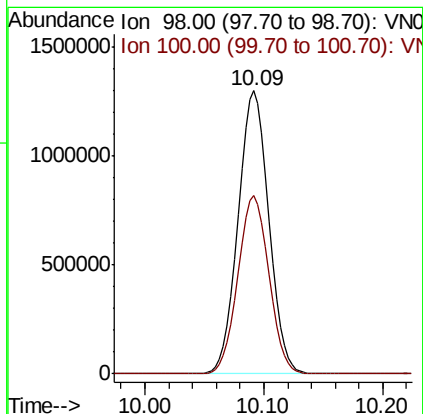
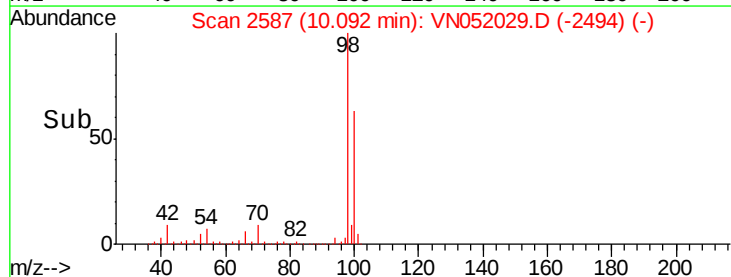
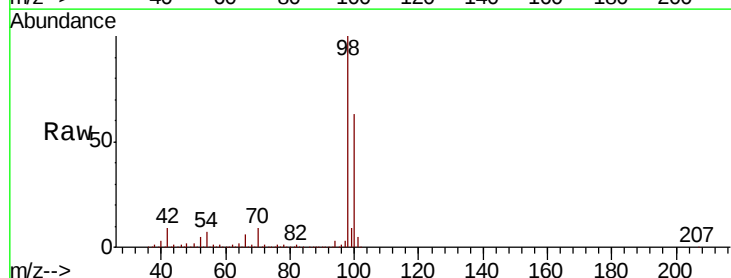
Acq: 26 Oct 2018 15:40

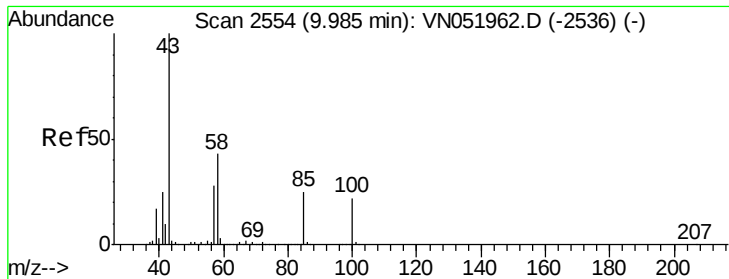
Tgt Ion: 98 Resp: 2327916

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.269 ug/l

RT: 10.00 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

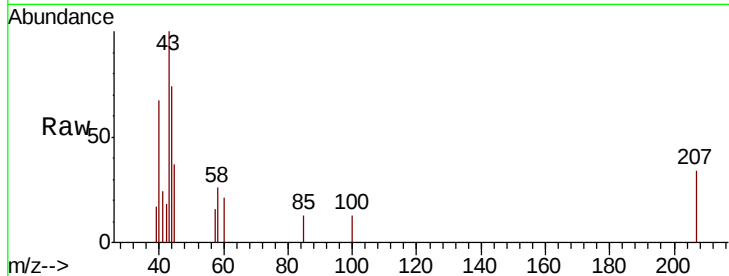
PB114195ZHE#06

Tot Ion: 43 Resp: 1626

Ion Ratio Lower Upper

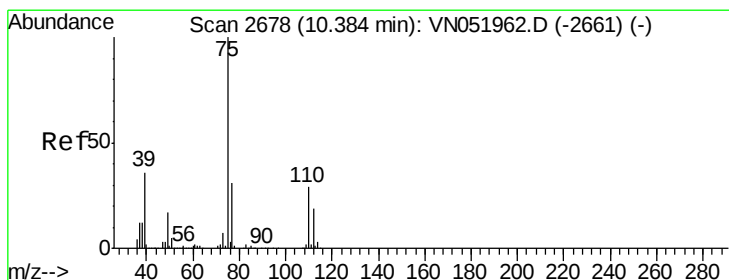
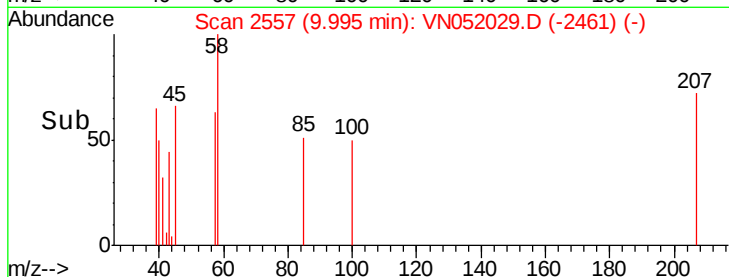
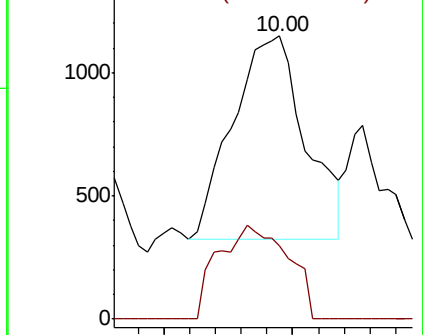
43 100

58 44.2 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 1.249 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN052029.D

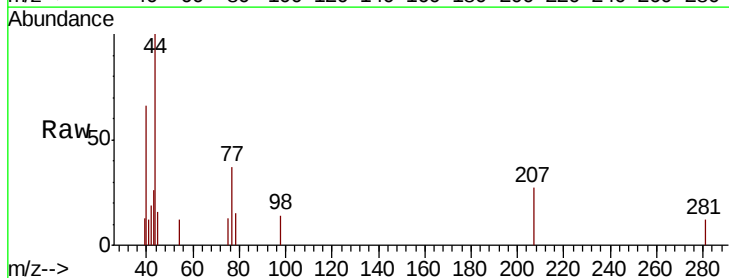
Acq: 26 Oct 2018 15:40

Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

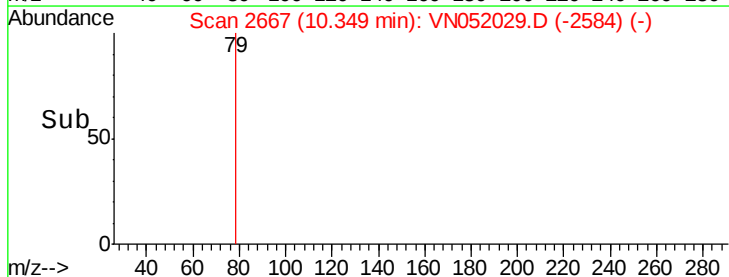
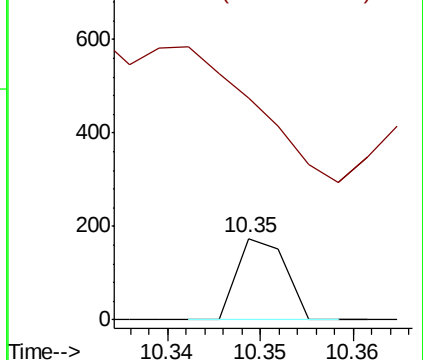
75 100

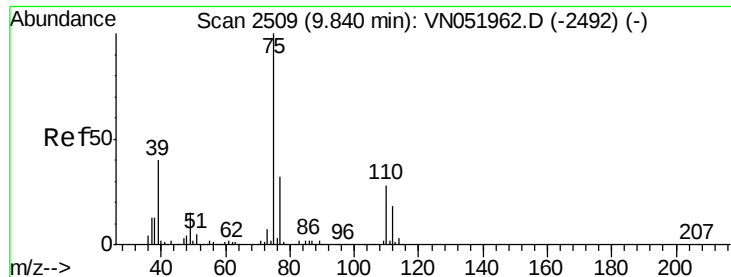
77 104.6 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

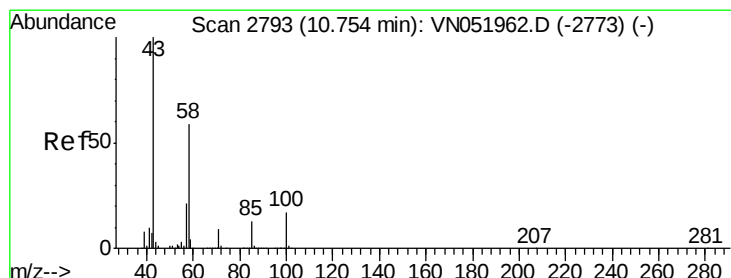
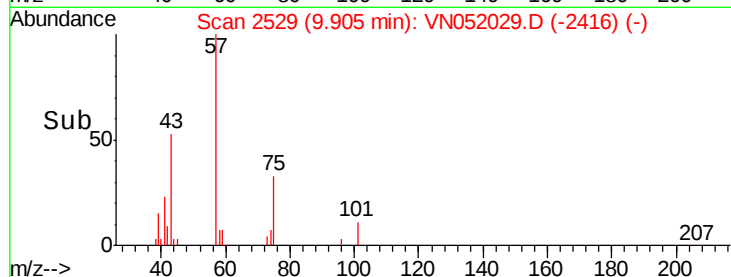
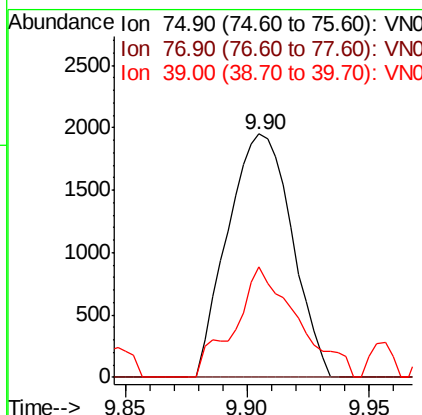
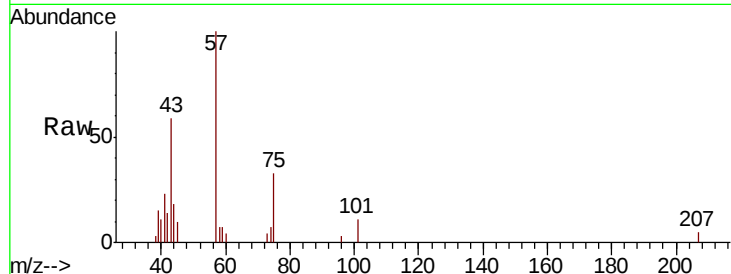




#54
 cis-1,3-Dichloropropene
 Concen: 0.254 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

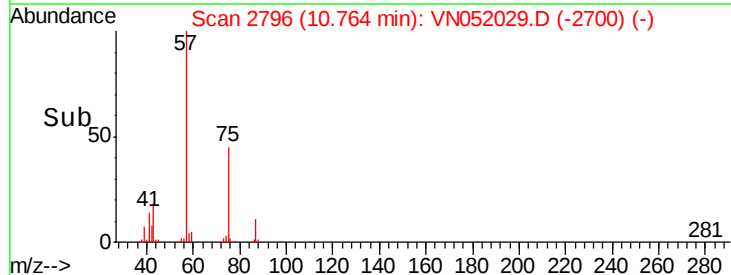
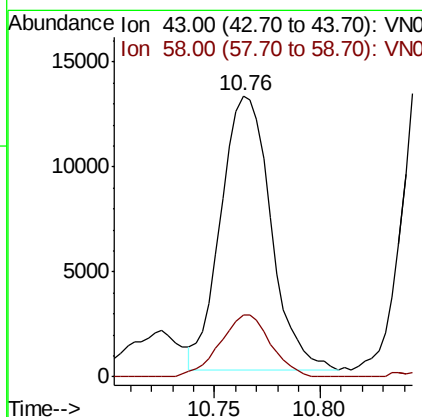
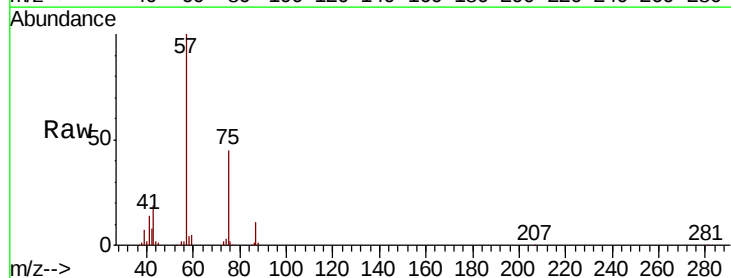
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114195ZHE#06

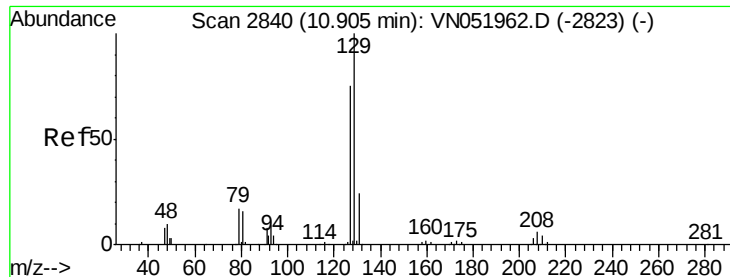
Tot Ion: 75 Resp: 3553
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 45.1 32.0 48.0



#59
 2-Hexanone
 Concen: 5.299 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052029.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 43 Resp: 21502
 Ion Ratio Lower Upper
 43 100
 58 22.8 29.9 89.8#





#60

Dibromochloromethane

Concen: 1.996 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.28 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

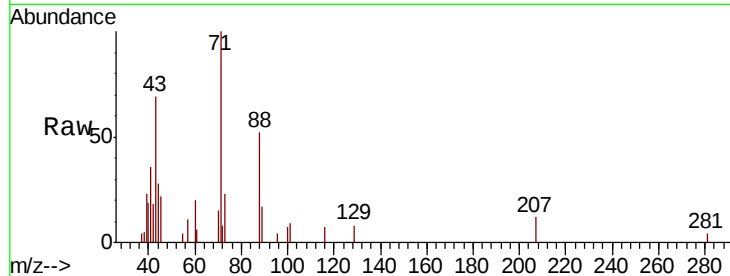
PB114195ZHE#06

Tot Ion:129 Resp: 244

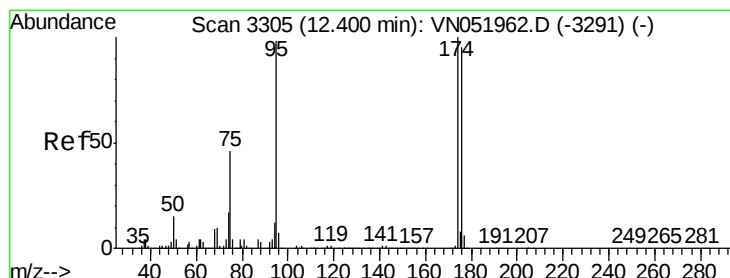
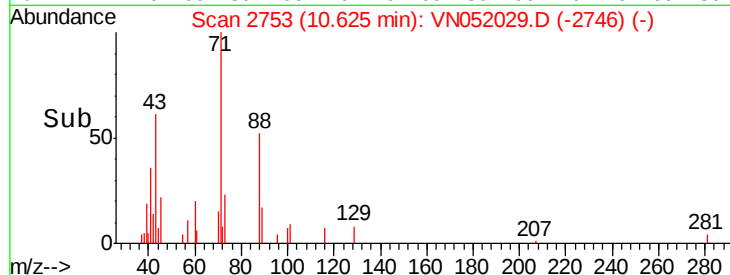
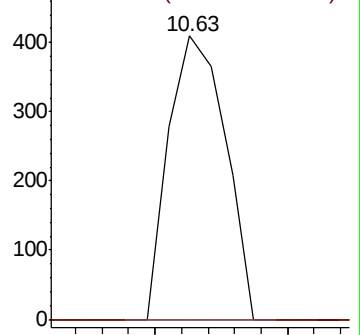
Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.0#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

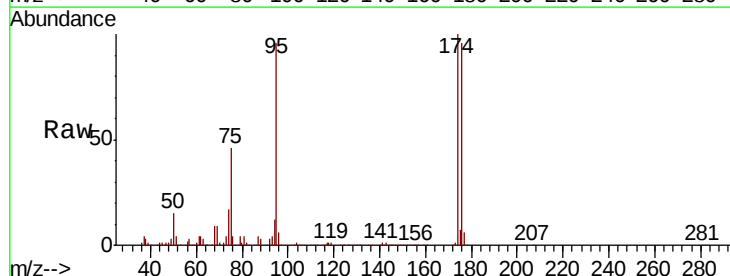
Tgt Ion: 95 Resp: 752738

Ion Ratio Lower Upper

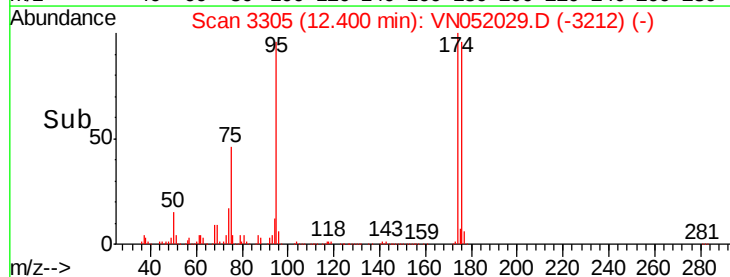
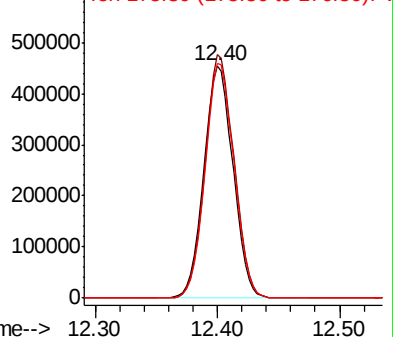
95 100

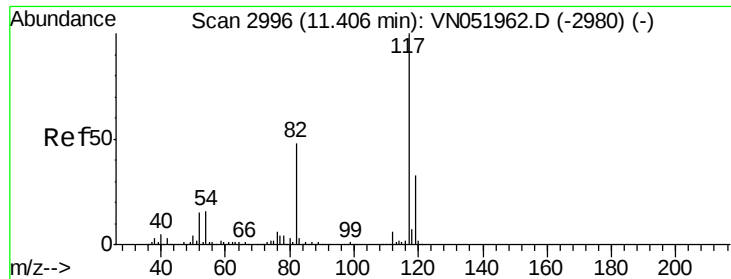
174 103.9 0.0 206.0

176 100.3 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): V

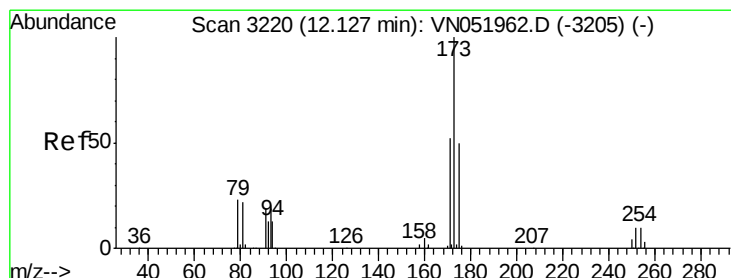
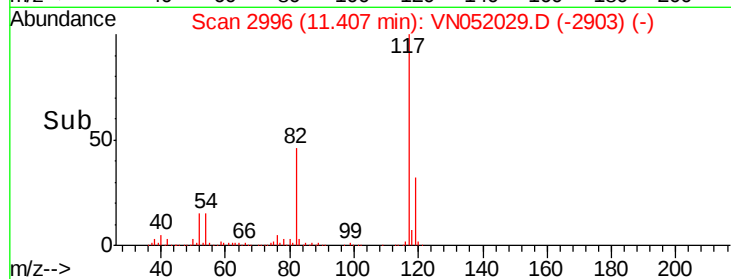
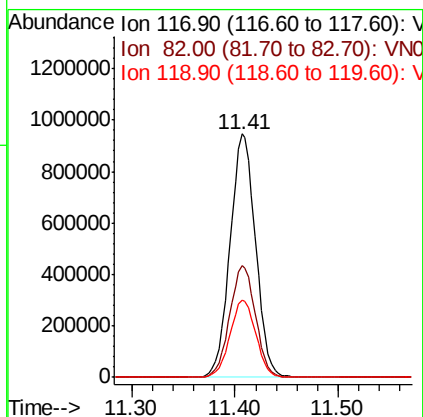
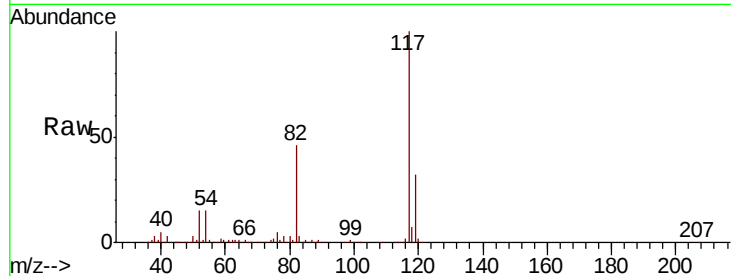




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

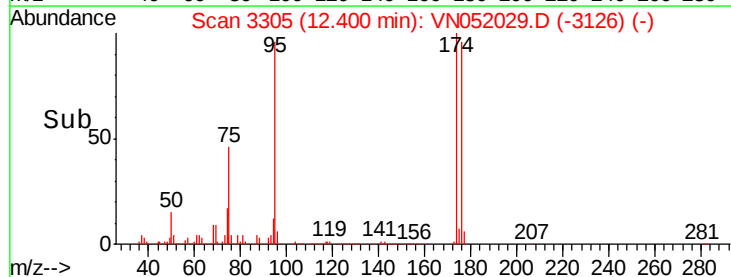
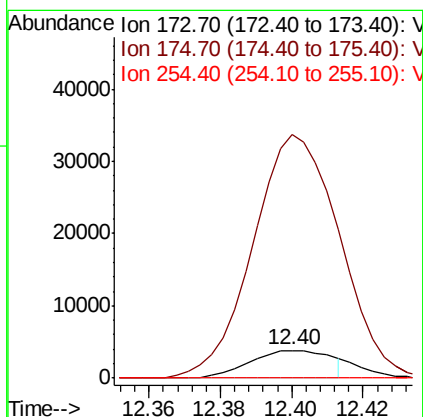
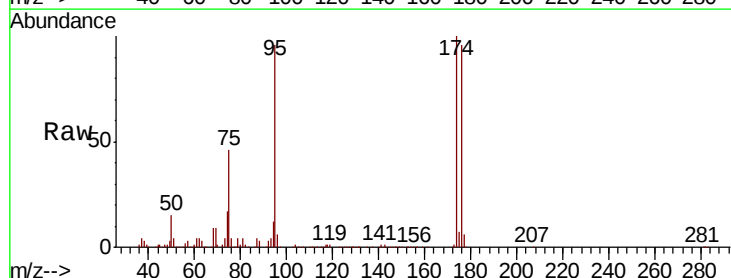
Instrument :
MSVOA_N
ClientSampleId :
PB114195ZHE#06

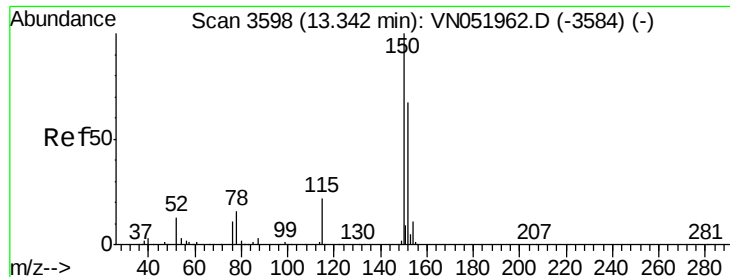
Tot Ion:117 Resp: 1627623
Ion Ratio Lower Upper
117 100
82 46.0 38.1 57.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 4.334 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052029.D
Acq: 26 Oct 2018 15:40

Tgt Ion:173 Resp: 6051
Ion Ratio Lower Upper
173 100
175 825.9 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: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#06

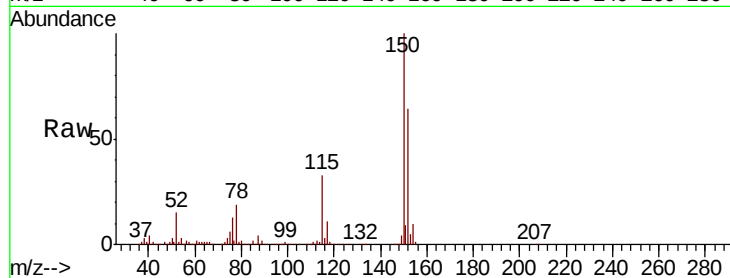
Tot Ion:152 Resp: 776431

Ion Ratio Lower Upper

152 100

115 52.5 25.8 77.3

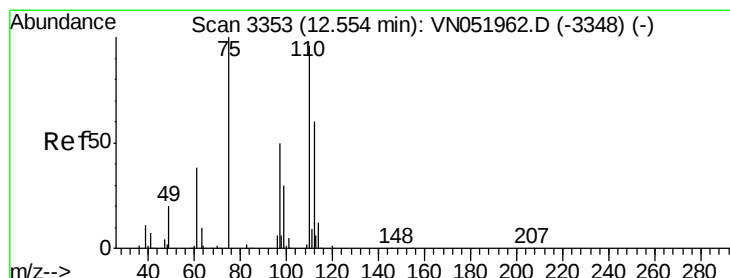
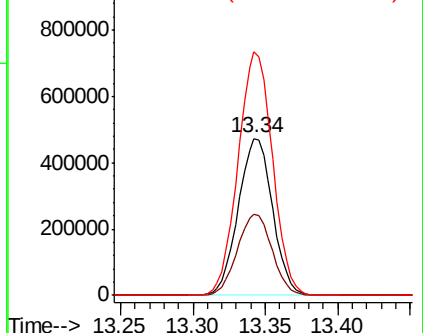
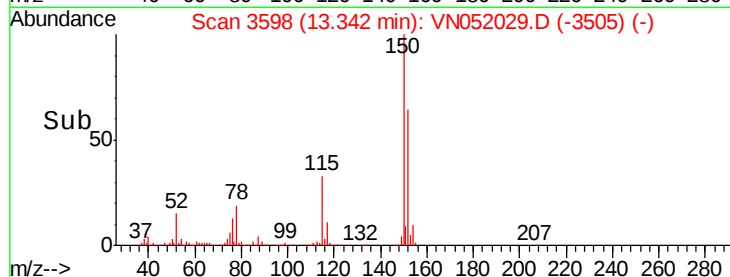
150 155.9 0.0 344.4



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: 44.982 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052029.D

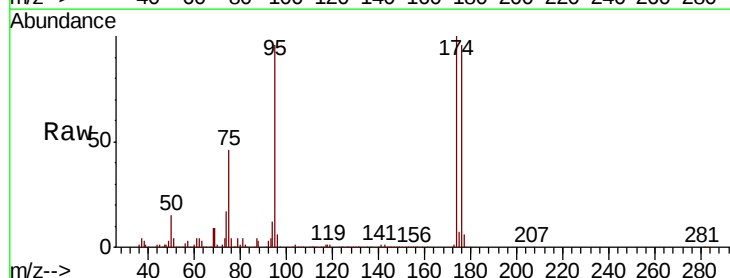
Acq: 26 Oct 2018 15:40

Tgt Ion: 75 Resp: 360760

Ion Ratio Lower Upper

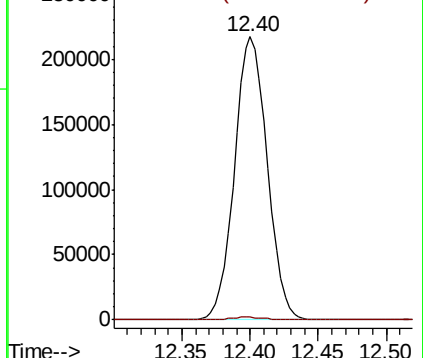
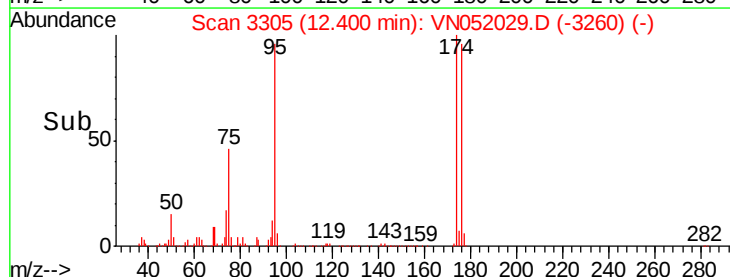
75 100

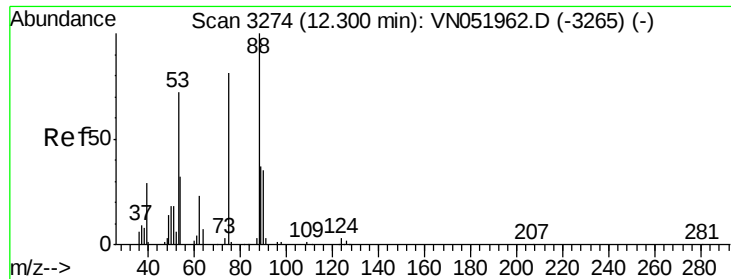
77 1.0 0.0 0.0#



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: 141.574 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052029.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB114195ZHE#06

Tot Ion: 75 Resp: 360760

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#

