

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051984.D
 Acq On : 24 Oct 2018 13:34
 Operator : MD\SY
 Sample : PB114120TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:46:11 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	1110192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1611319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1483770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	652790	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	568844	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	
35) Dibromofluoromethane	7.59	113	596332	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	
50) Toluene-d8	10.09	98	2187045	58.86	ug/l	0.00
Spiked Amount			Recovery	=	117.72%	
62) 4-Bromofluorobenzene	12.40	95	695261	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.96	142	3263	0.243	ug/l #	68
13) Acrolein	3.62	56	359	38.309	ug/l	88
16) Acetone	3.81	43	7488	4.597	ug/l	97
17) Carbon Disulfide	4.05	76	4950	0.256	ug/l	97
18) Methyl Acetate	4.32	43	2375	Below Cal	#	34
20) Methylene Chloride	4.56	84	13305	1.392	ug/l	94
25) 2-Butanone	6.84	43	4534	1.952	ug/l	98
29) Tetrahydrofuran	7.20	42	455	0.289	ug/l #	31
31) Cyclohexane	7.67	56	18544	Below Cal	#	32
36) 1,1-Dichloropropene	7.67	75	66533	5.383	ug/l #	48
37) Ethyl Acetate	6.90	43	274	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	95562	6.735	ug/l #	16
43) Isopropyl Acetate	8.17	43	272005	26.277	ug/l	99
48) Methyl methacrylate	9.17	41	6377	1.275	ug/l #	15
49) 1,4-Dioxane	9.26	88	64	0.698	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2697	0.474	ug/l #	70
53) t-1,3-Dichloropropene	10.38	75	312	1.268	ug/l #	16
59) 2-Hexanone	10.76	43	19366	5.062	ug/l #	56
60) Dibromochloromethane	10.91	129	267	1.999	ug/l #	11
68) m/p-Xylenes	11.62	106	4374	0.227	ug/l	82
71) Bromoform	12.13	173	461	3.748	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.50	83	2599	0.304	ug/l #	81
76) 1,2,3-Trichloropropane	12.40	75	336571	49.914	ug/l #	100
77) Bromobenzene	12.53	156	2369	0.207	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	8592	0.259	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.40	75	336571	156.901	ug/l #	12
82) 4-Chlorotoluene	12.77	91	6432	0.239	ug/l	89
84) 1,2,4-Trimethylbenzene	13.03	105	6932	0.202	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6752	0.320	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	6752	0.325	ug/l	97
89) n-Butylbenzene	13.61	91	7890	0.268	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	6757	0.331	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	738	0.562	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.91	180	7973	0.662	ug/l	100

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Response via : Initial Calibration

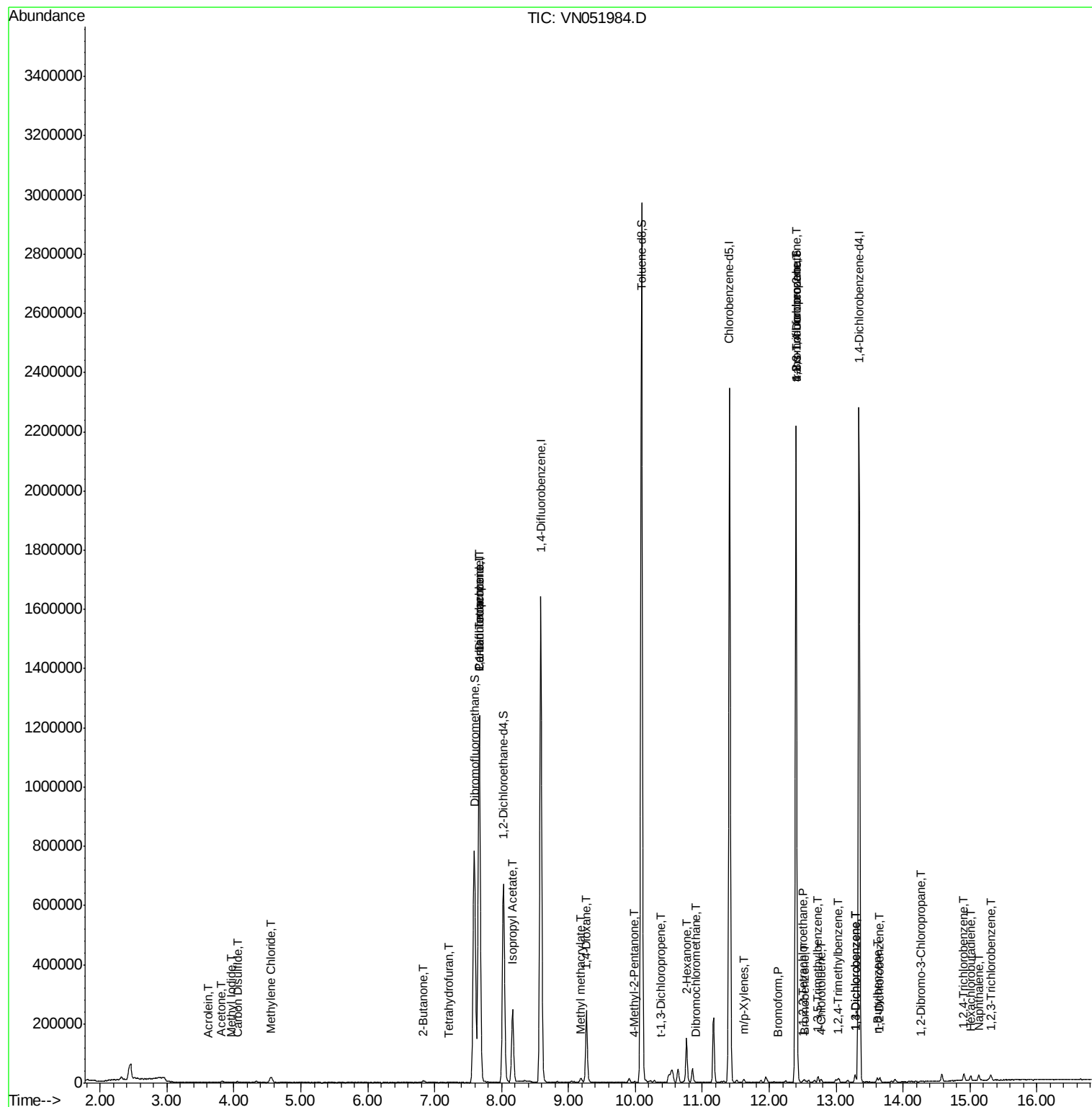
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	3469	0.561	ug/l	91
95) Naphthalene	15.13	128	15930	0.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	7226	0.628	ug/l	99

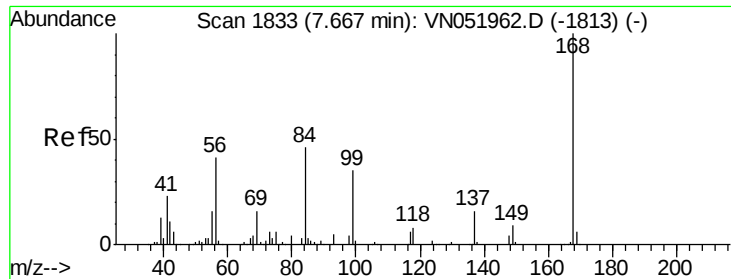
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

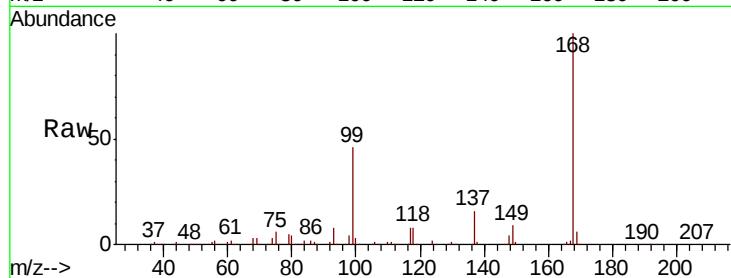
ClientSampleId :

Tot Ion:168 Resp: 1110192

Ion Ratio Lower Upper

168 100

99 46.2 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

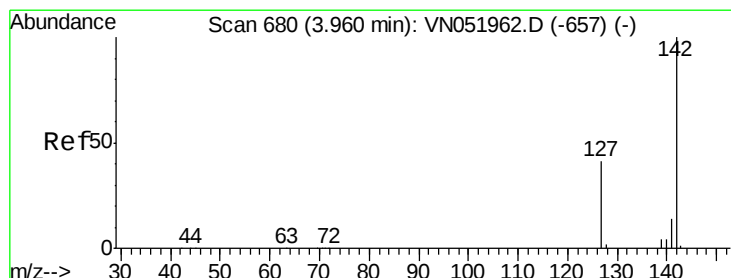
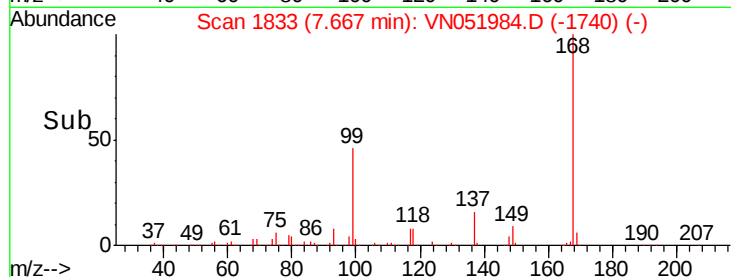
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 0.243 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

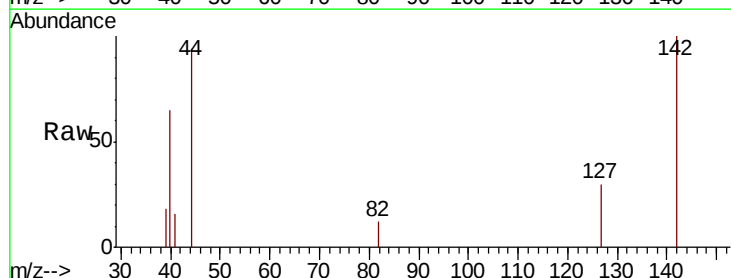
Tgt Ion:142 Resp: 3263

Ion Ratio Lower Upper

142 100

127 21.6 34.3 51.5#

141 3.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.96

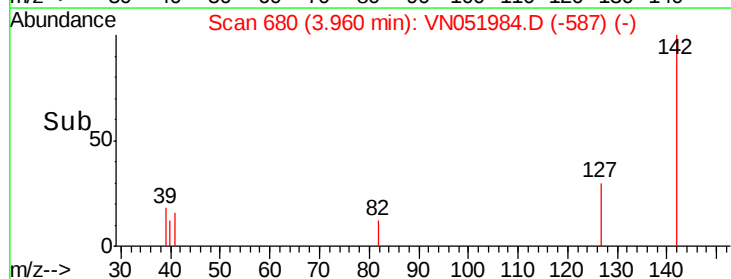
1500

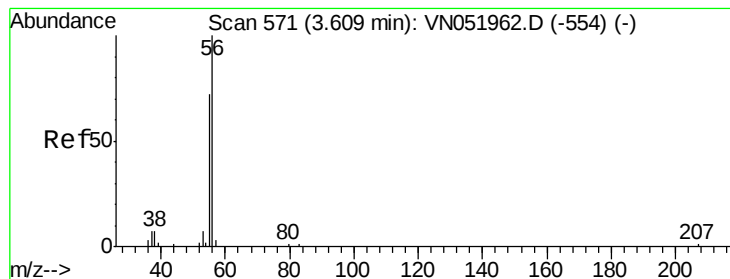
1000

500

0

Time-->





#13

Acrolein

Concen: 38.309 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

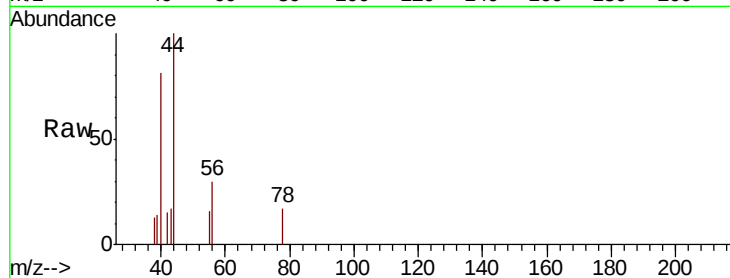
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 359

Ion Ratio Lower Upper

56 100

55 80.2 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

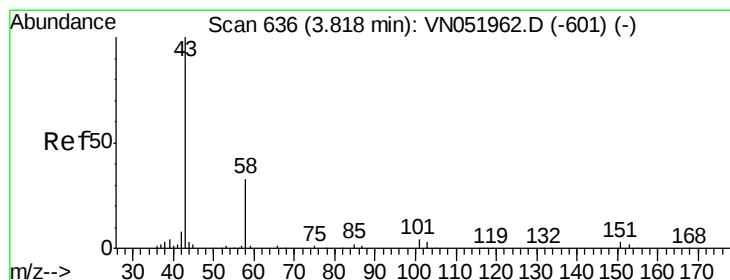
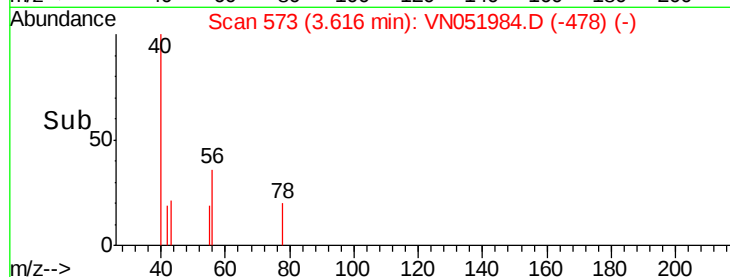
300

200

100

0

Time--> 3.58 3.60 3.62 3.64



#16

Acetone

Concen: 4.597 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051984.D

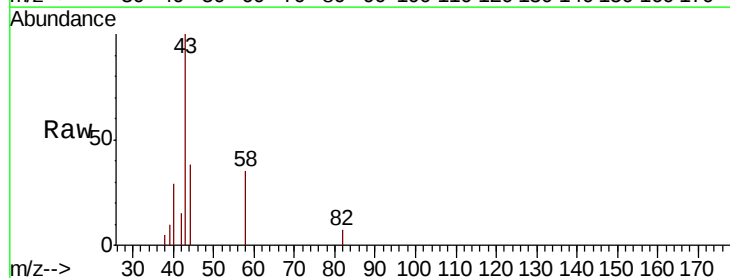
Acq: 24 Oct 2018 13:34

Tgt Ion: 43 Resp: 7488

Ion Ratio Lower Upper

43 100

58 35.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

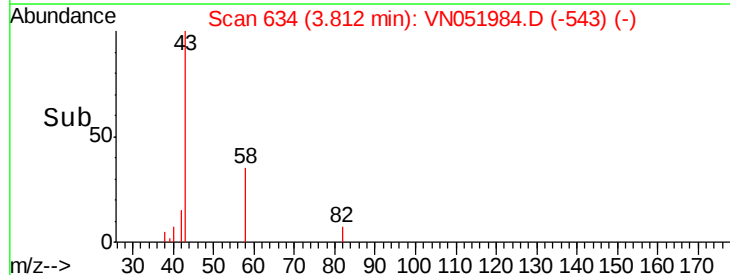
3000

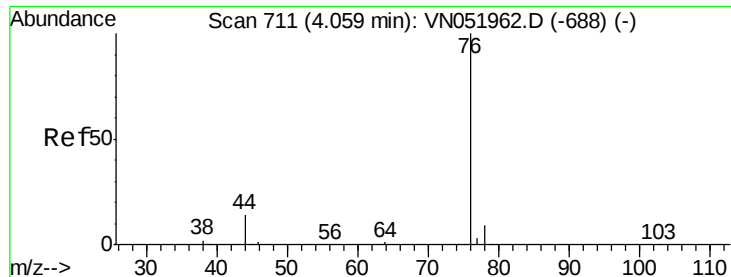
2000

1000

0

Time--> 3.75 3.80 3.85

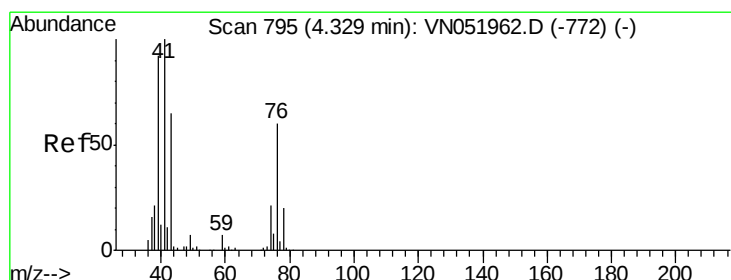
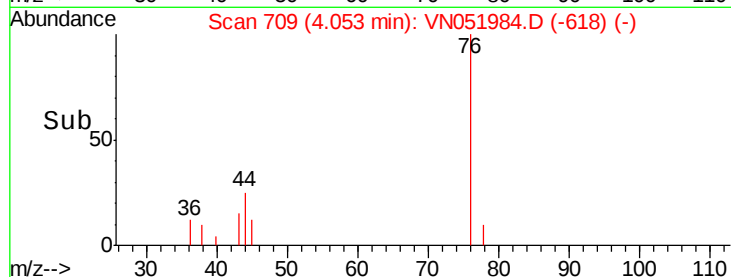
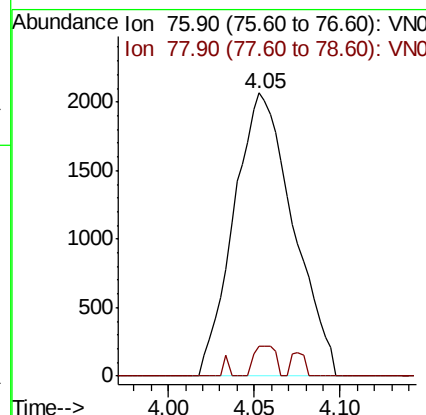
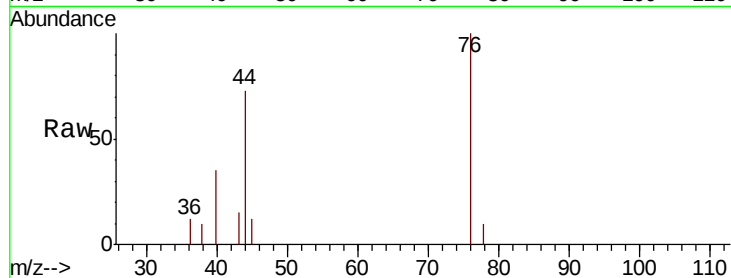




#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.01 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

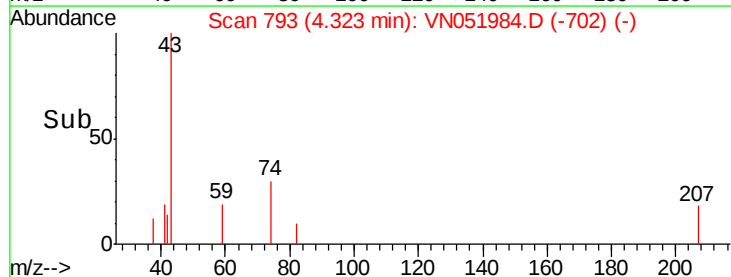
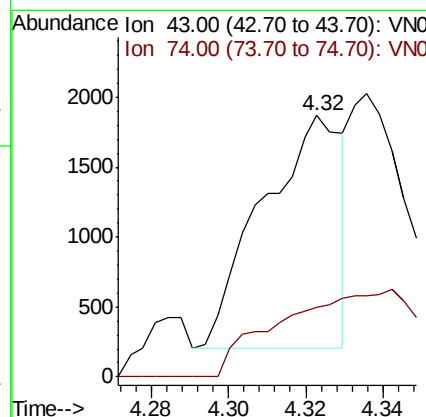
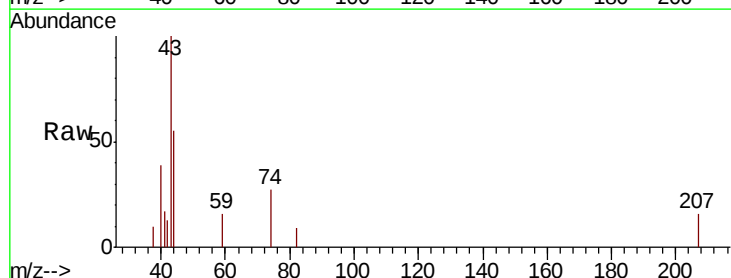
Instrument :
MSVOA_N
ClientSampleId :

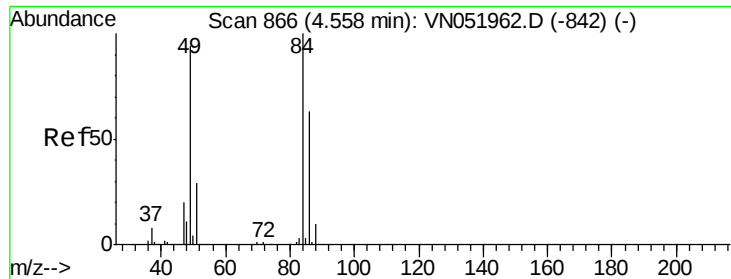
Tot Ion: 76 Resp: 4950
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
74 68.9 25.7 38.5#

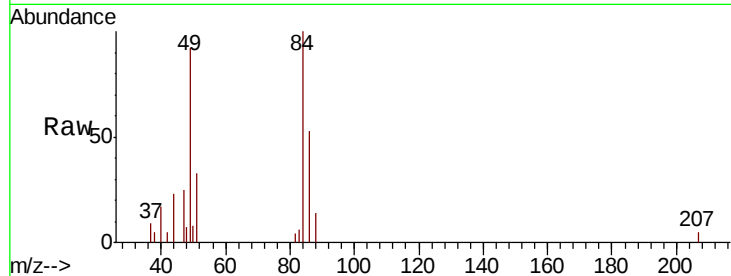




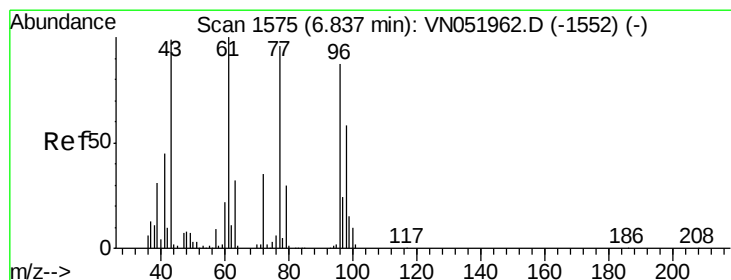
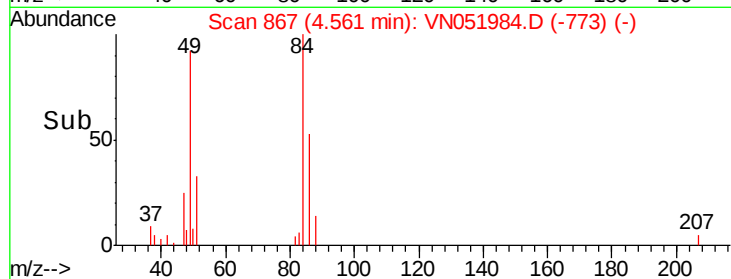
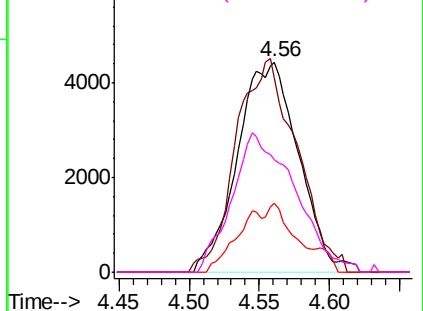
#20
Methvlene Chloride
Concen: 1.392 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 13305
Ion Ratio Lower Upper
84 100
49 92.5 75.4 113.0
51 33.1 23.1 34.7
86 53.4 50.2 75.4

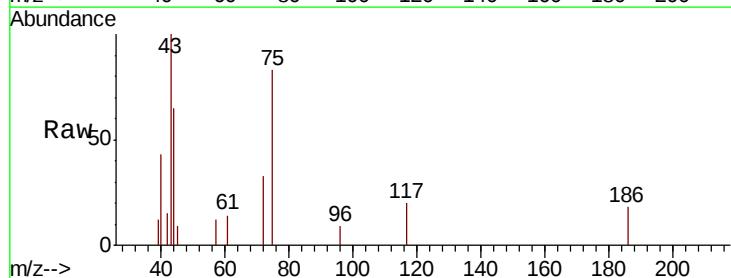


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

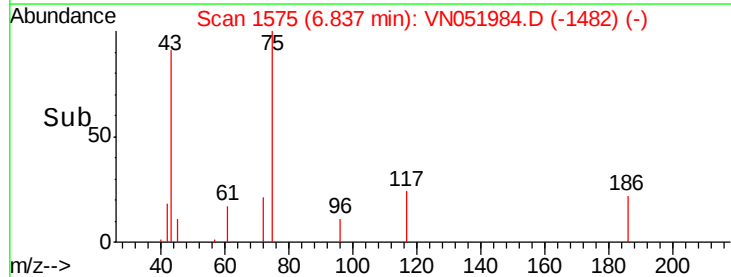
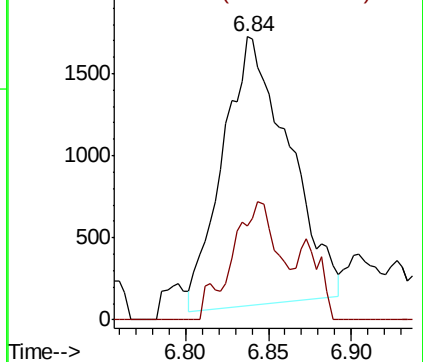


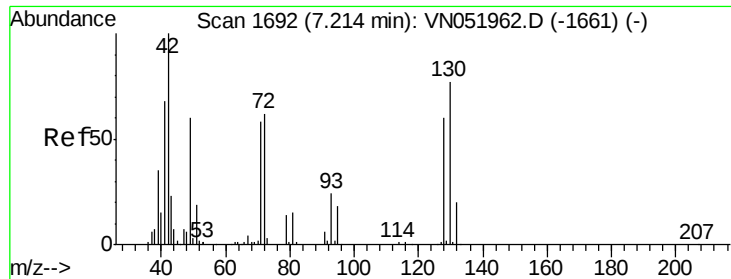
#25
2-Butanone
Concen: 1.952 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 43 Resp: 4534
Ion Ratio Lower Upper
43 100
72 36.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

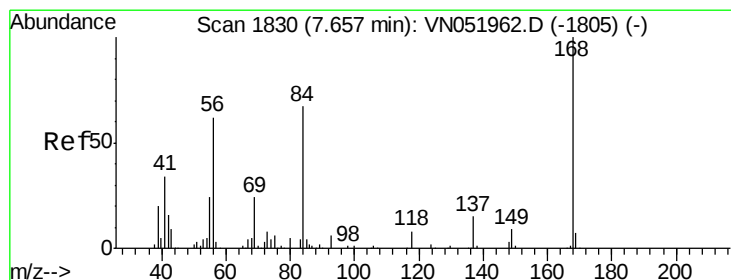
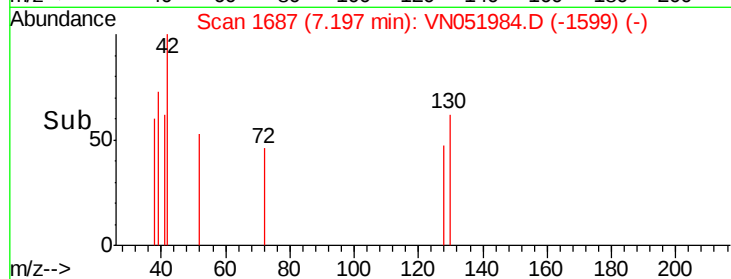
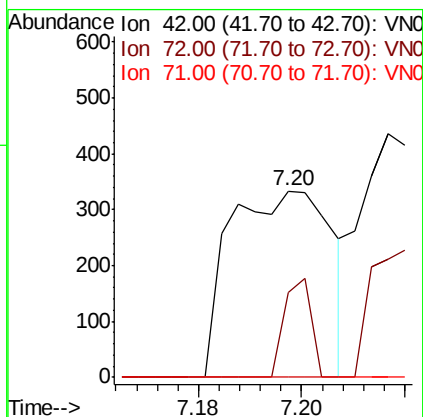
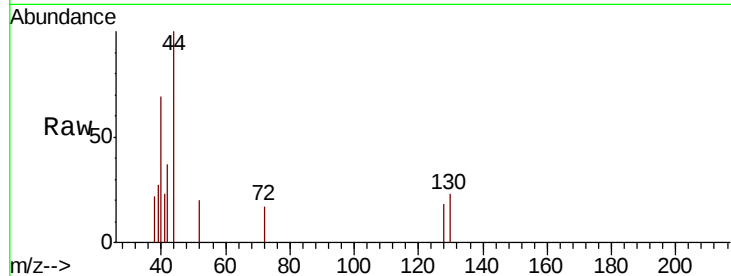




#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.02 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

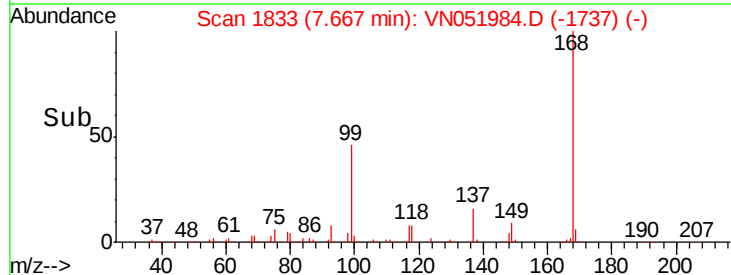
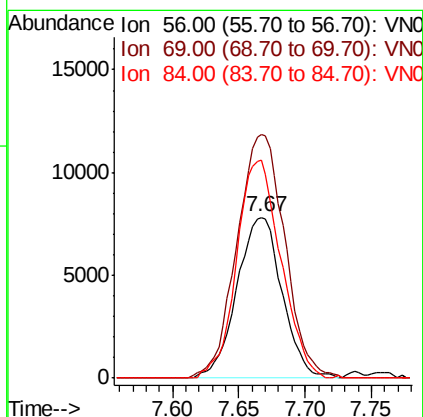
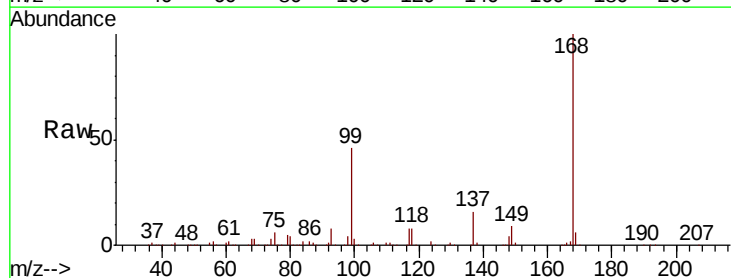
Instrument :
MSVOA_N
ClientSampled :

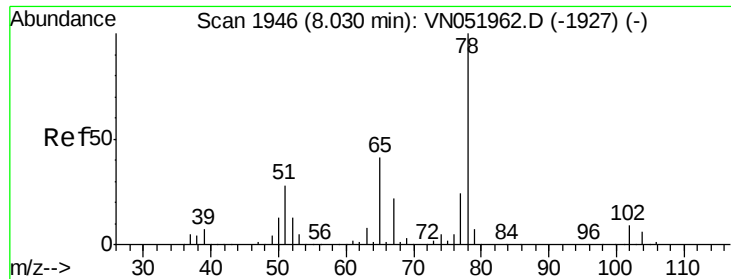
Tot Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 13.8 47.5 71.3#
71 0.0 45.4 68.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 56 Resp: 18544
Ion Ratio Lower Upper
56 100
69 151.5 31.2 46.8#
84 135.5 86.3 129.5#

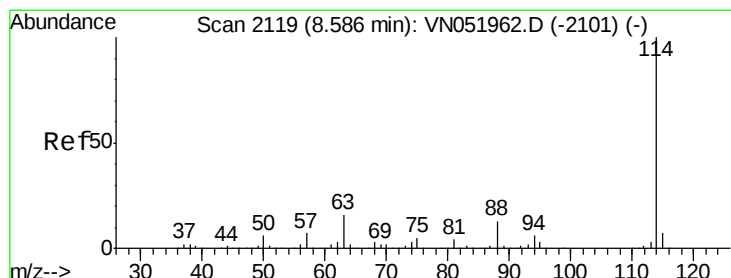
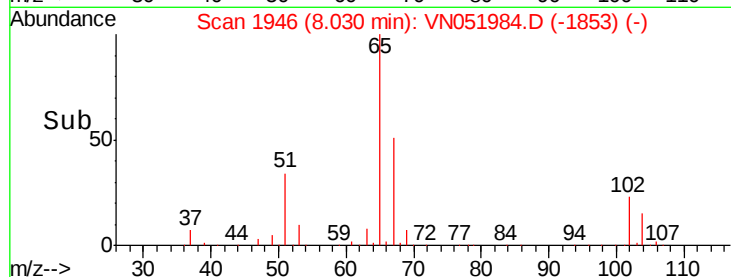
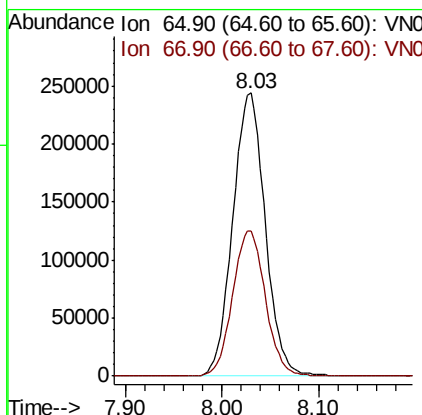
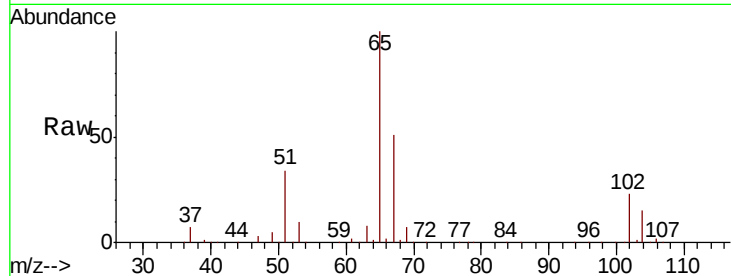




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

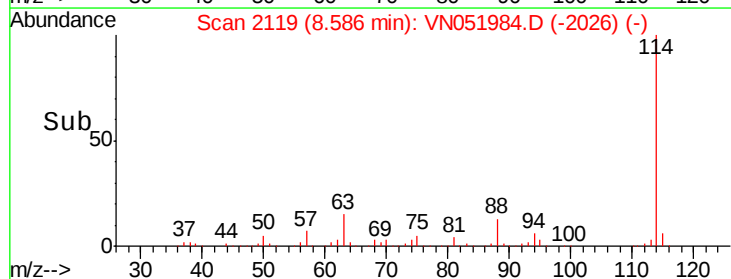
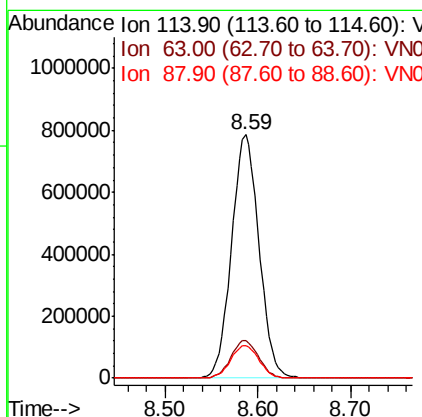
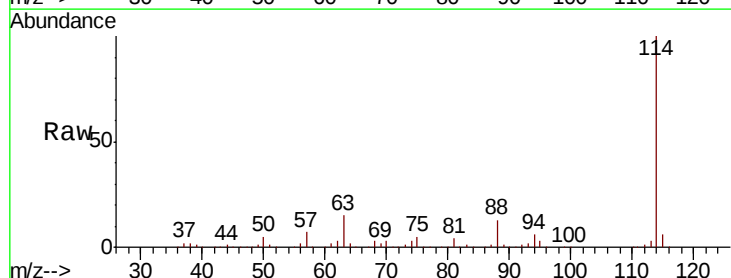
Instrument :
 MSVOA_N
 ClientSampled :

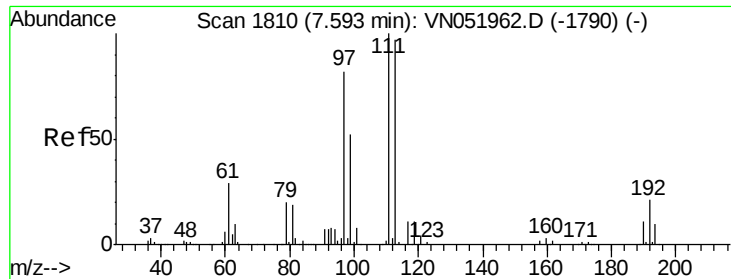
Tot Ion: 65 Resp: 568844
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Tgt Ion: 114 Resp: 1611319
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.2
 88 13.5 0.0 27.0

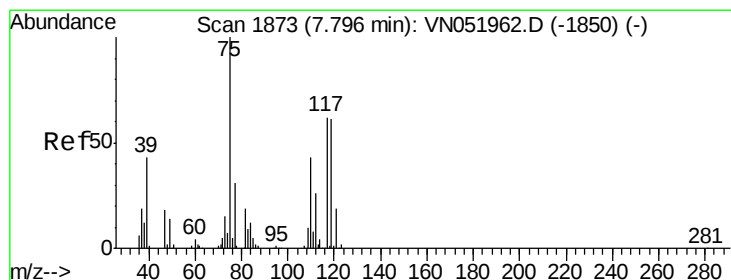
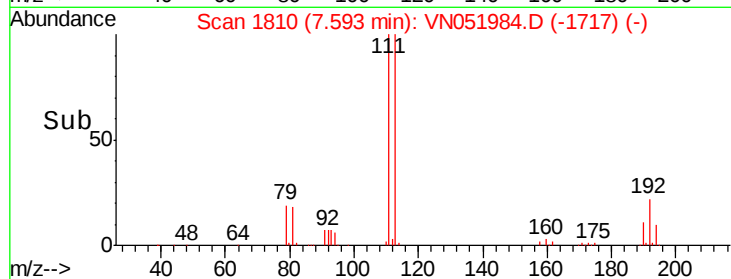
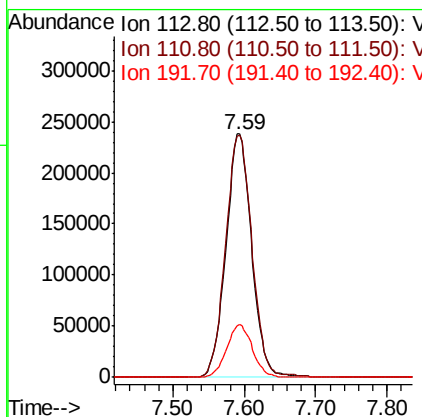
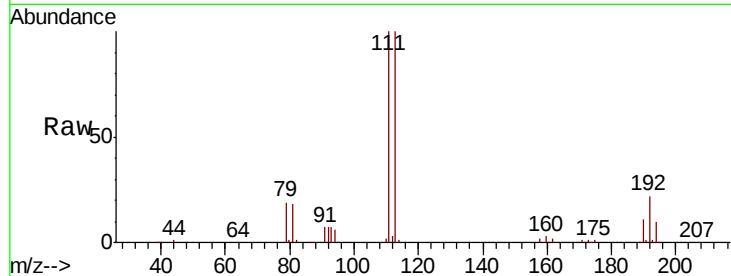




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

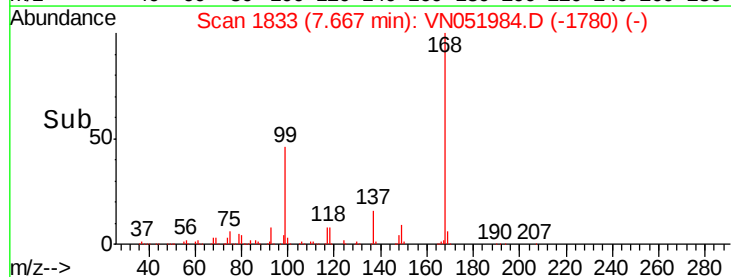
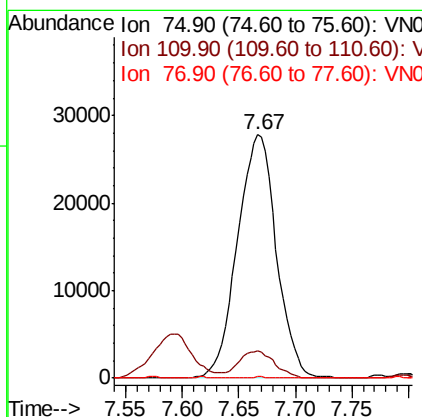
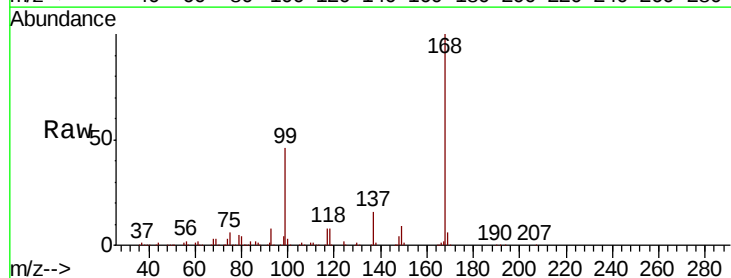
Instrument :
 MSVOA_N
 ClientSampleId :

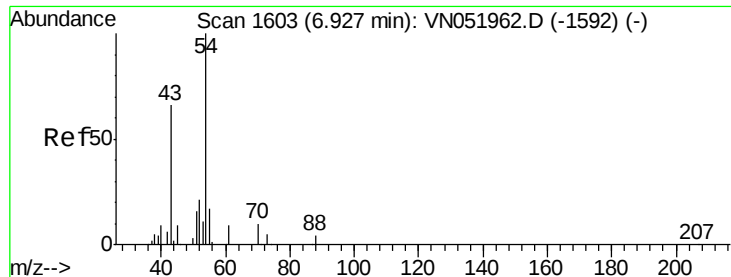
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	21.9	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 5.383 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	20.9	62.8#
77	0.1	24.9	37.3#

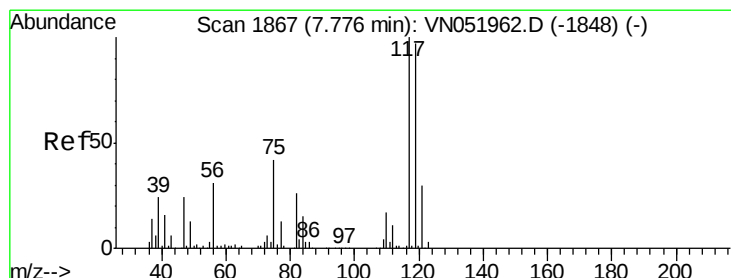
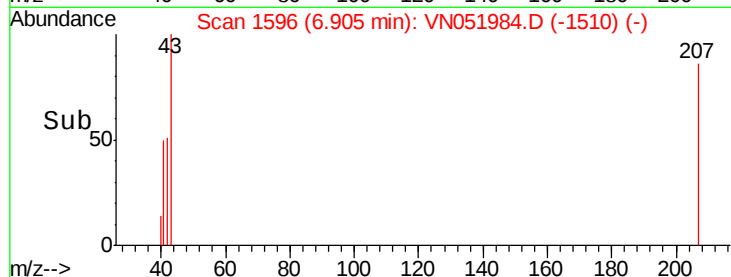
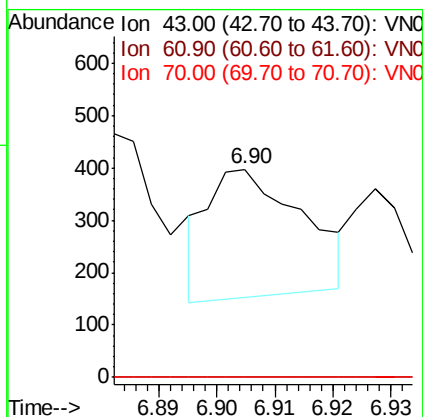
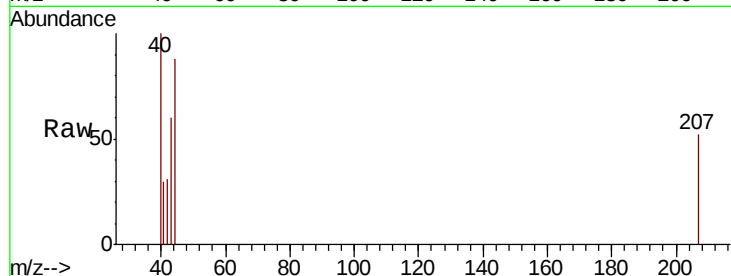




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.90 min Scan# 1596
Delta R.T. -0.02 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

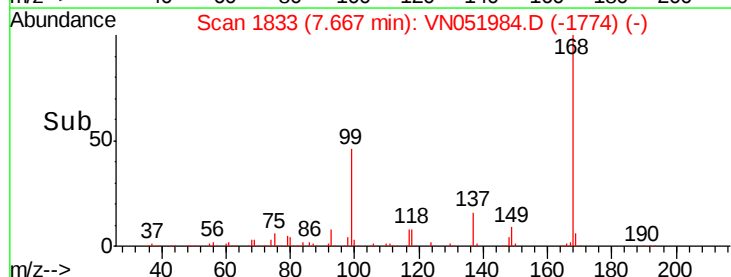
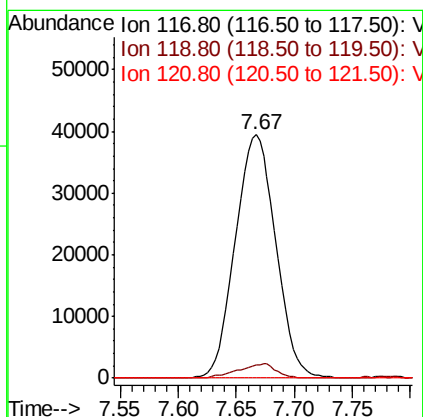
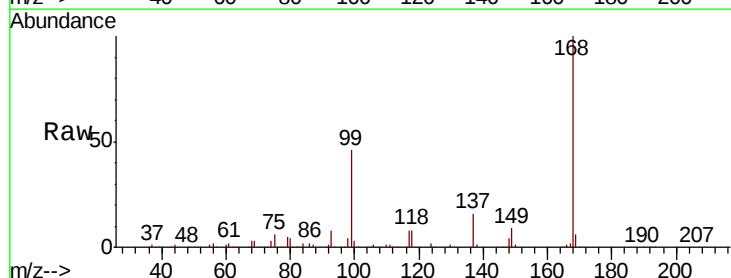
Instrument :
MSVOA_N
ClientSampled :

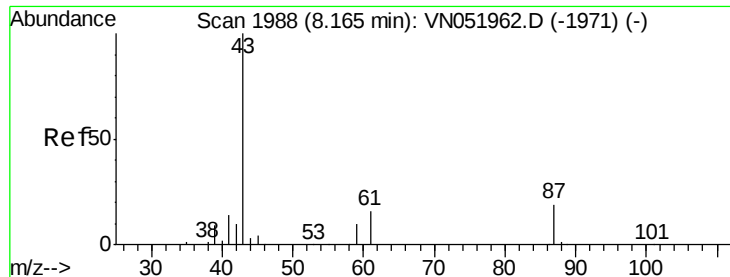
Tot Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
61 0.0 13.5 20.3#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.735 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 117 Resp: 95562
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 26.277 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

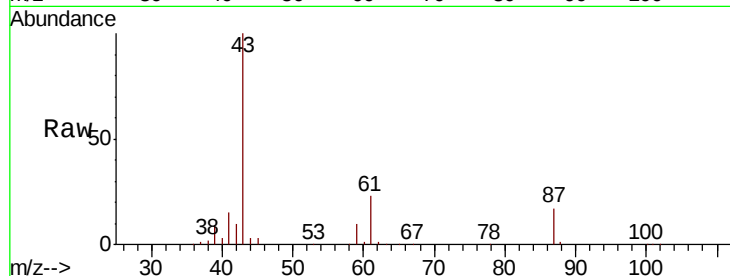
Tot Ion: 43 Resp: 272005

Ion Ratio Lower Upper

43 100

61 22.1 17.2 25.8

87 18.7 15.2 22.8



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

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

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

8.17

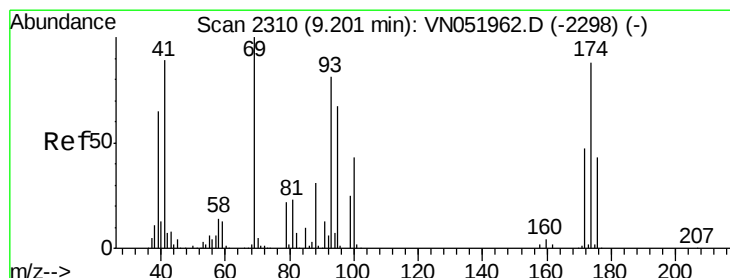
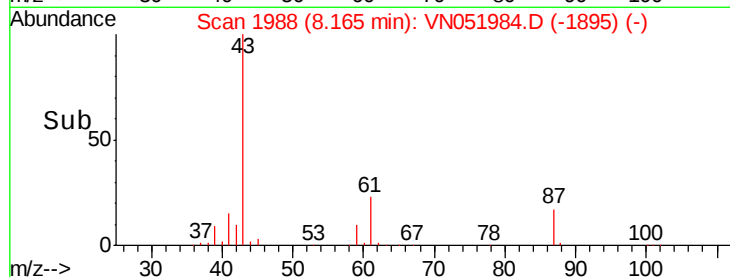
150000

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 1.275 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

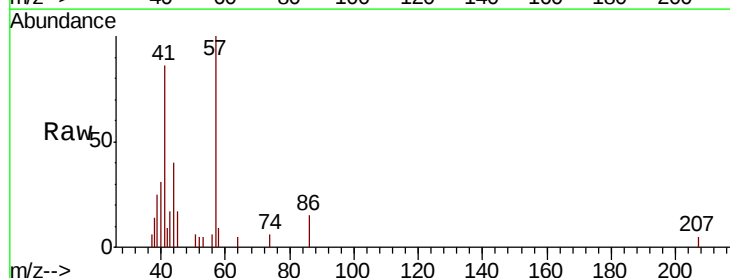
Tgt Ion: 41 Resp: 6377

Ion Ratio Lower Upper

41 100

69 0.0 92.2 138.4#

39 30.8 60.2 90.4#



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

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

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

9.17

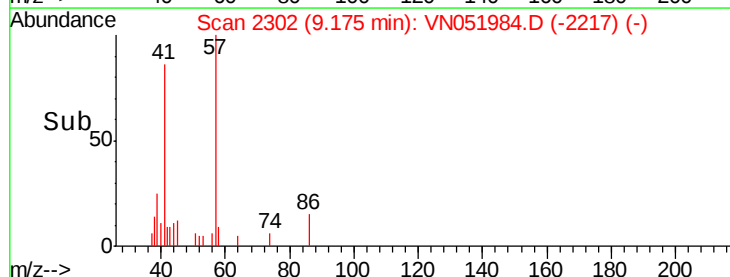
15000

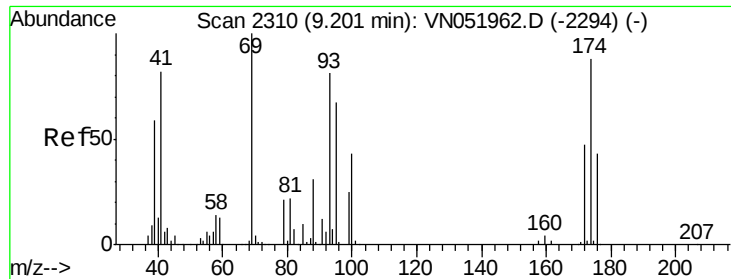
10000

5000

0

Time-->

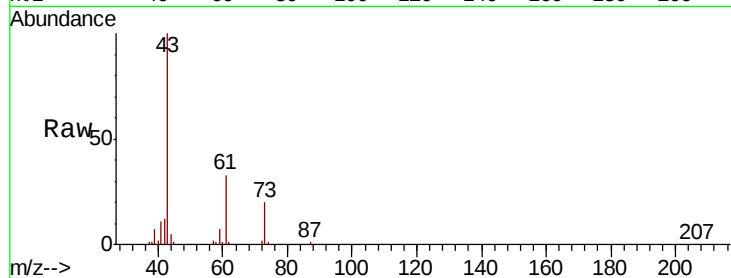




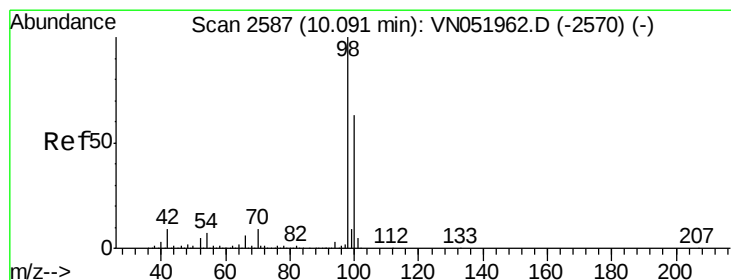
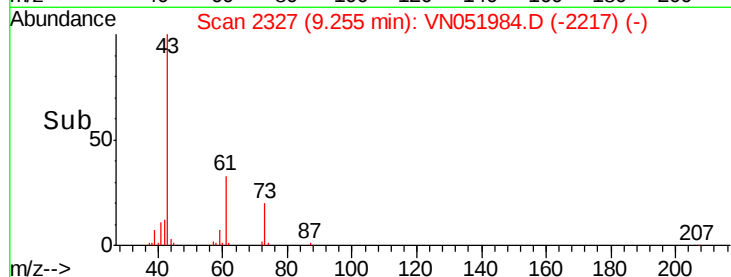
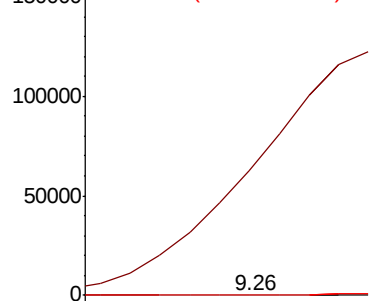
#49
 1,4-Dioxane
 Concen: 0.698 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.05 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 350437.5 18.8 28.2#
 58 2376.6 39.8 59.6#

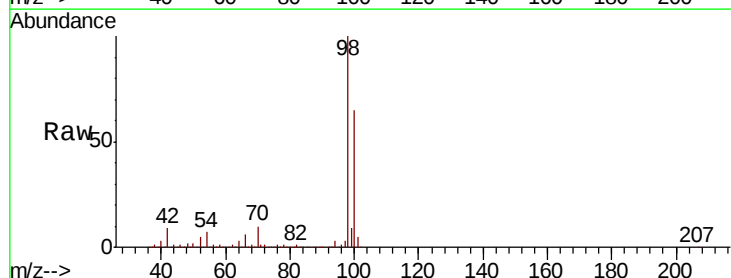


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

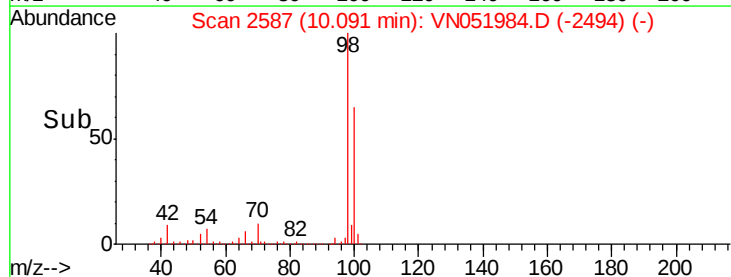
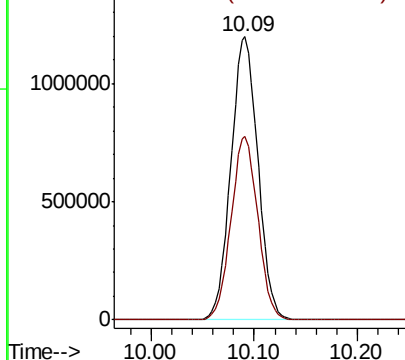


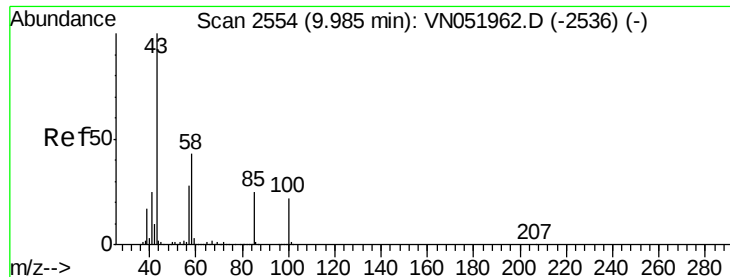
#50
 Toluene-d8
 Concen: 0.698 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Tgt Ion: 98 Resp: 2187045
 Ion Ratio Lower Upper
 98 100
 100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VNO
 Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

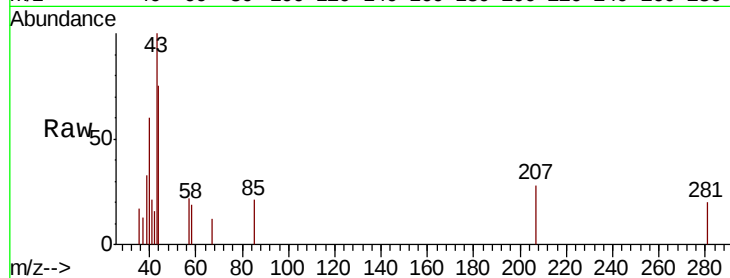
ClientSampleId :

Tot Ion: 43 Resp: 2697

Ion Ratio Lower Upper

43 100

58 24.3 34.8 52.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

2000

1500

1000

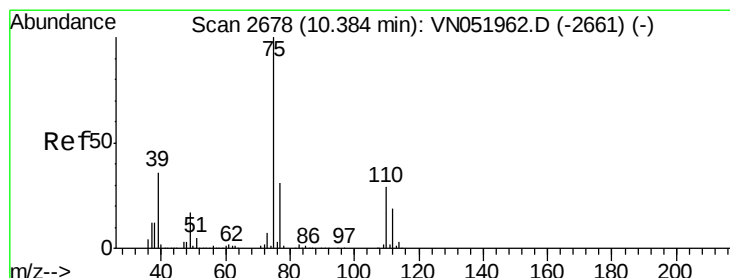
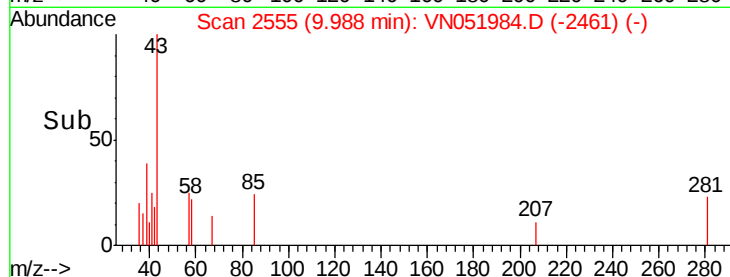
500

0

9.95

10.00

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.268 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051984.D

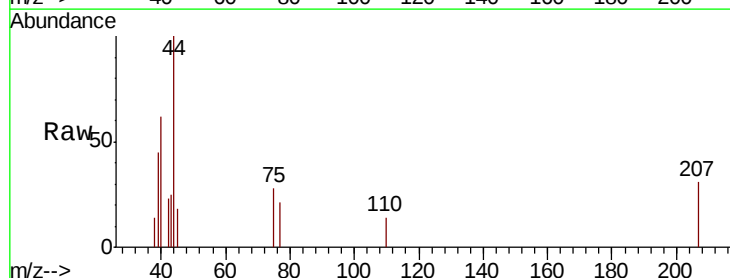
Acq: 24 Oct 2018 13:34

Tgt Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

77 77.6 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-2661) (-)

Ion 76.90 (76.60 to 77.60): VN051962.D (-2661) (-)

600

500

400

300

200

100

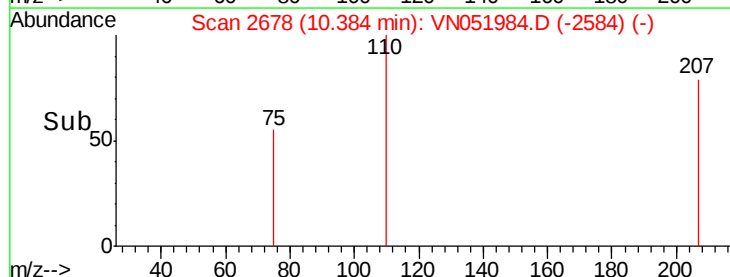
0

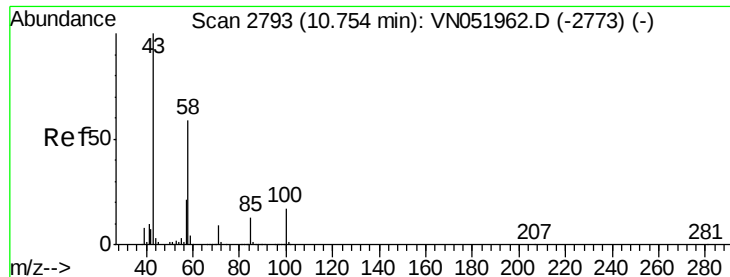
10.36

10.38

10.40

Time-->

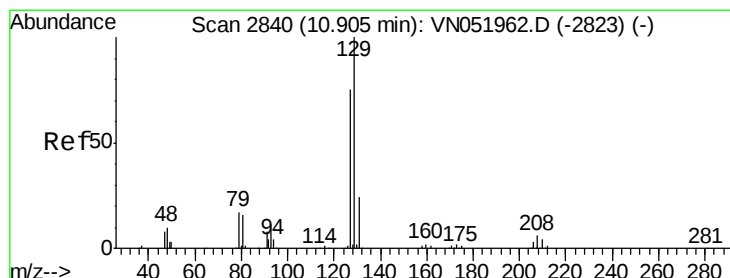
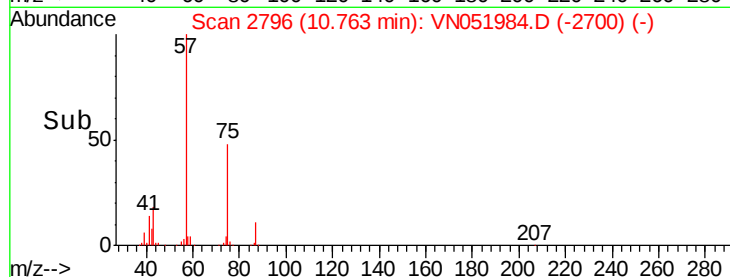
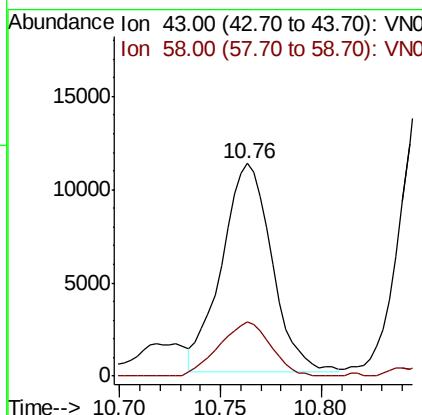
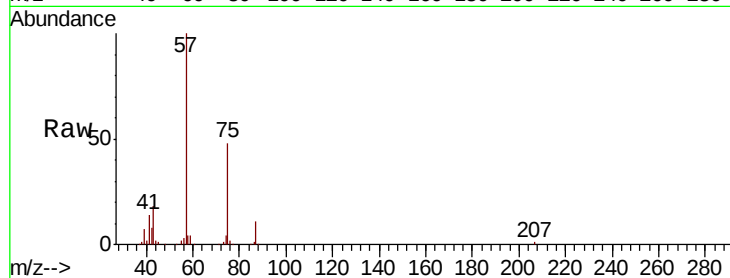




#59
2-Hexanone
Concen: 5.062 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

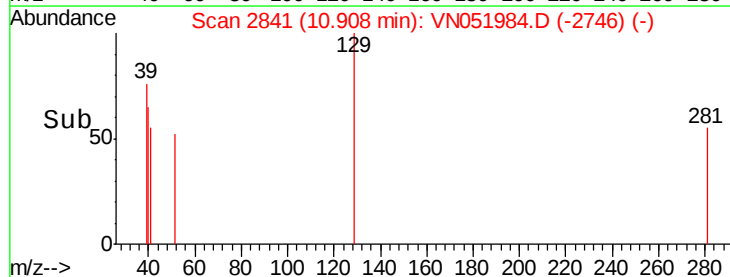
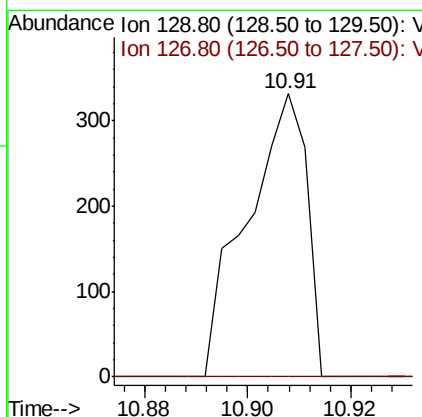
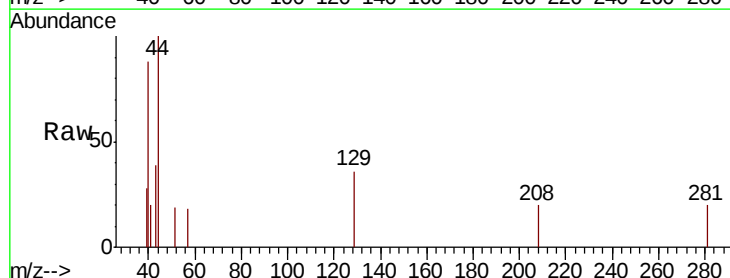
Instrument :
MSVOA_N
ClientSampleId :

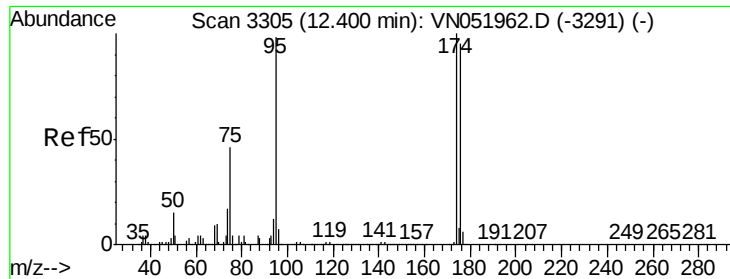
Tot Ion: 43 Resp: 19366
Ion Ratio Lower Upper
43 100
58 26.7 29.9 89.8#



#60
Dibromochloromethane
Concen: 1.999 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 129 Resp: 267
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

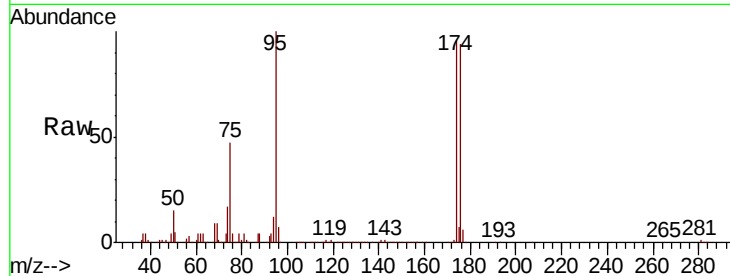
Tot Ion: 95 Resp: 695261

Ion Ratio Lower Upper

95 100

174 98.7 0.0 206.0

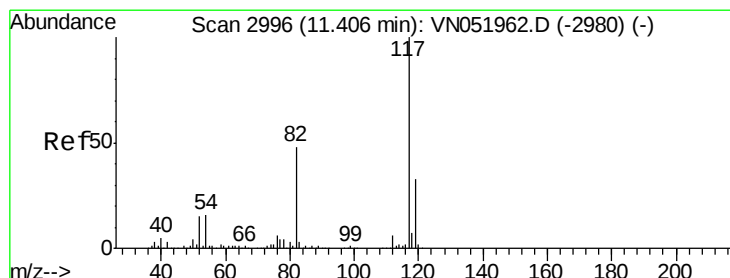
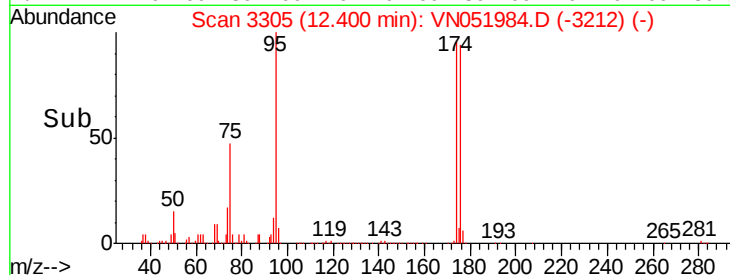
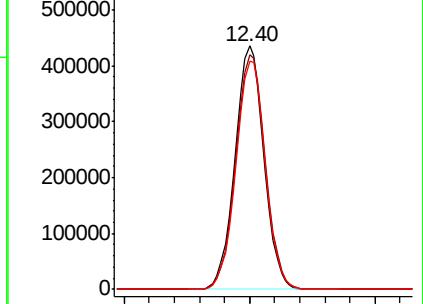
176 95.4 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

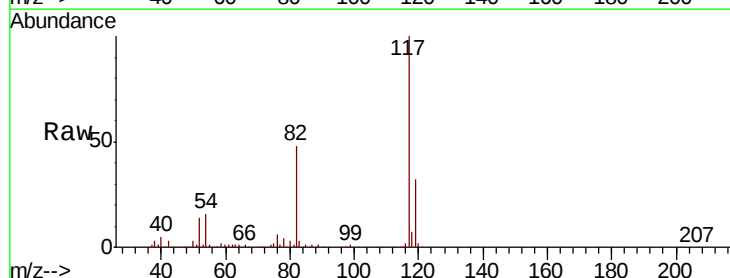
Tgt Ion: 117 Resp: 1483770

Ion Ratio Lower Upper

117 100

82 47.7 38.1 57.1

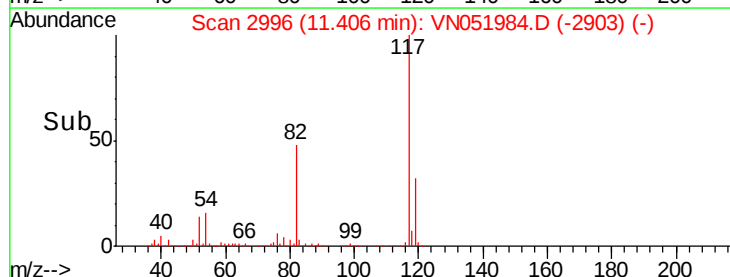
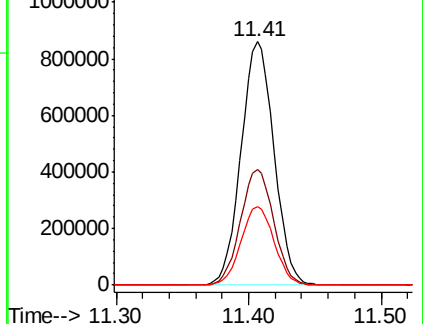
119 32.2 26.4 39.6

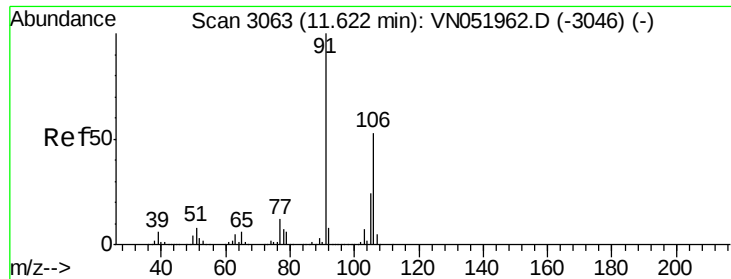


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)

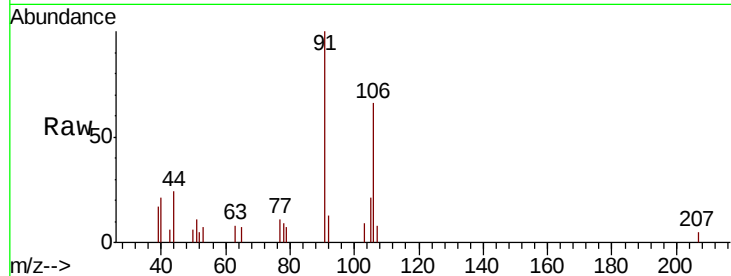




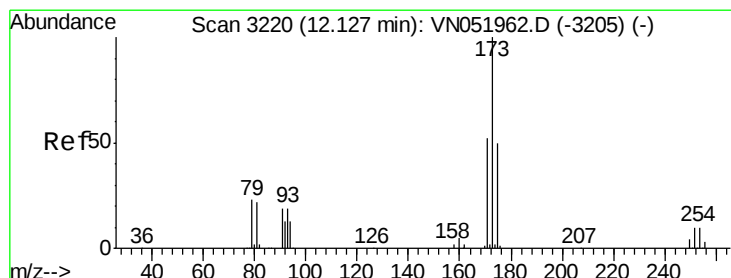
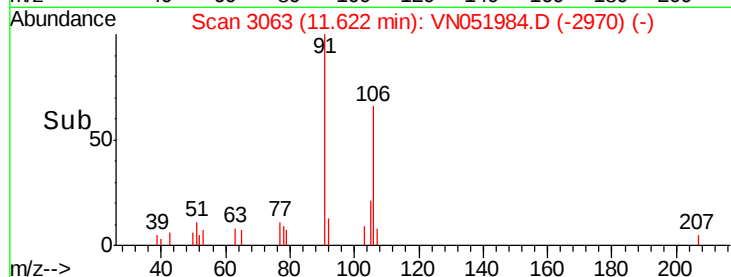
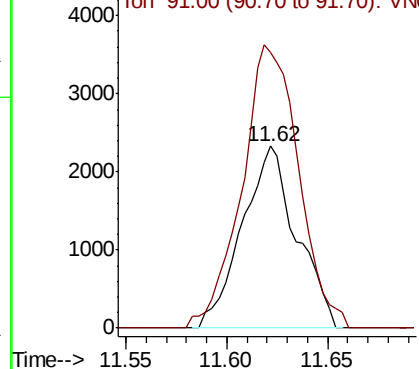
#68
m/p-Xvlenes
Concen: 0.227 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 4374
Ion Ratio Lower Upper
106 100
91 163.1 152.2 228.2

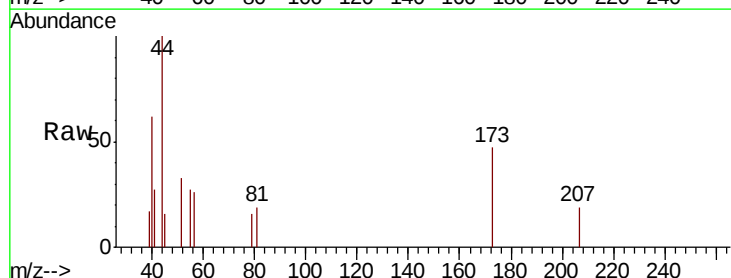


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

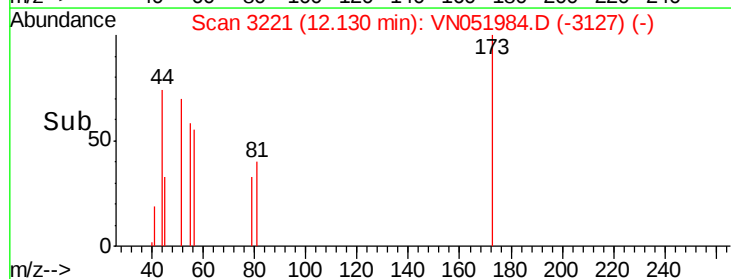
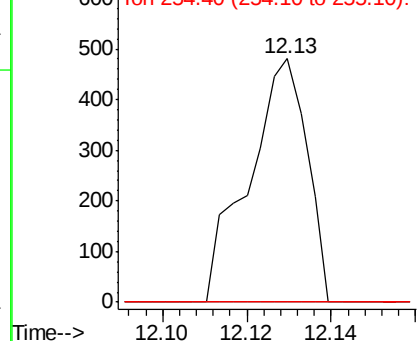


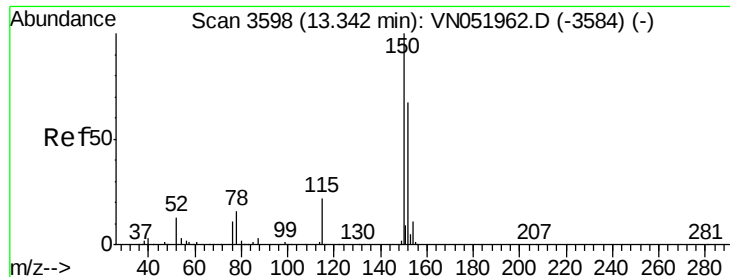
#71
Bromoform
Concen: 3.748 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion:173 Resp: 461
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

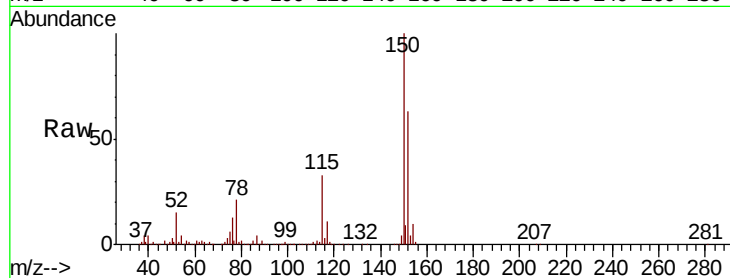
Tot Ion:152 Resp: 652790

Ion Ratio Lower Upper

152 100

115 53.7 25.8 77.3

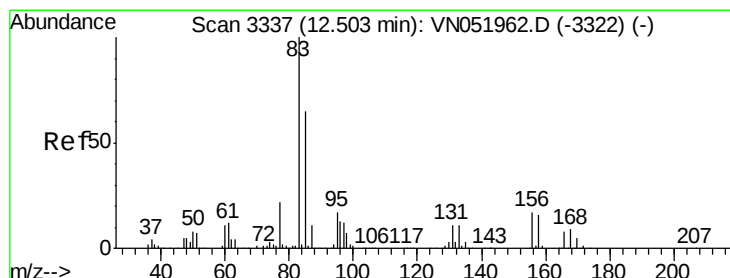
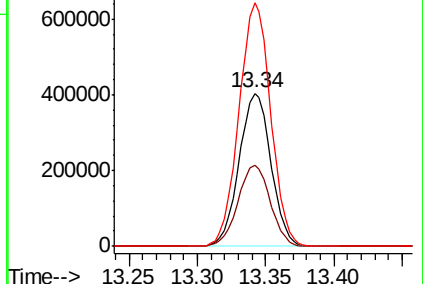
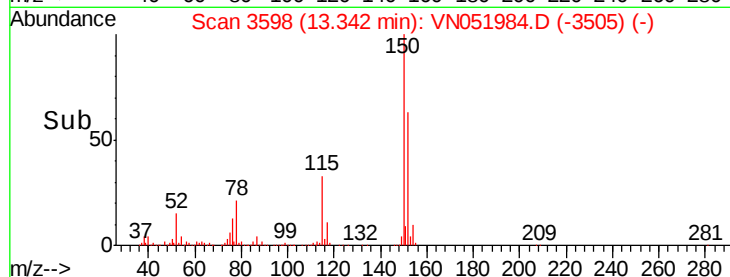
150 158.4 0.0 344.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.304 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

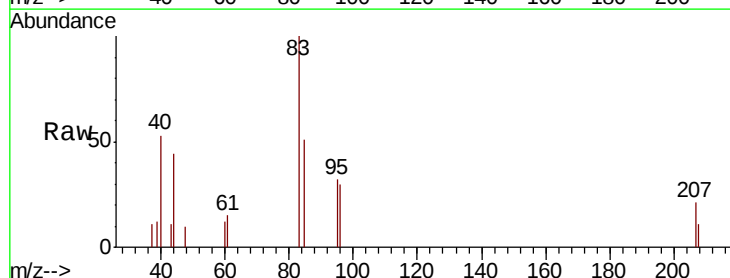
Tgt Ion: 83 Resp: 2599

Ion Ratio Lower Upper

83 100

131 0.0 6.2 18.6#

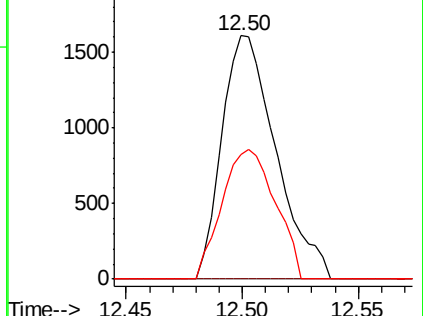
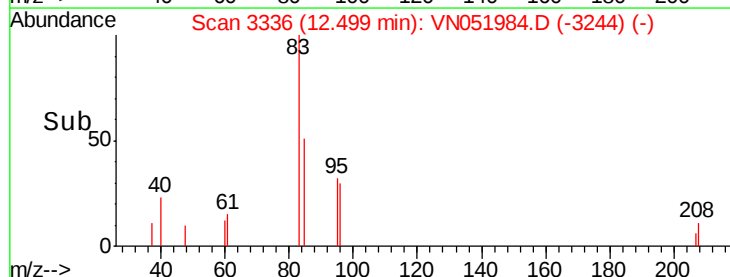
85 52.6 32.7 98.1

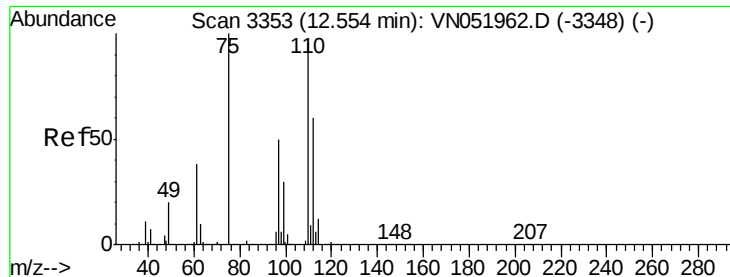


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 49.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

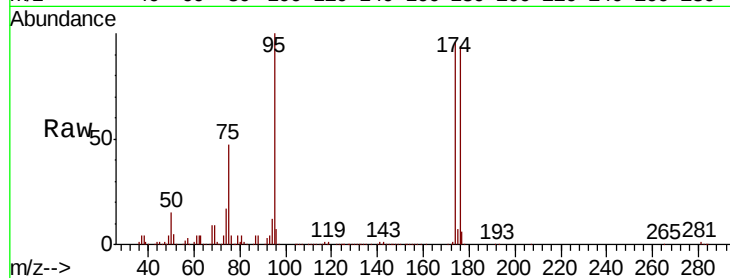
ClientSampleId :

Tot Ion: 75 Resp: 336571

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

12.40

200000

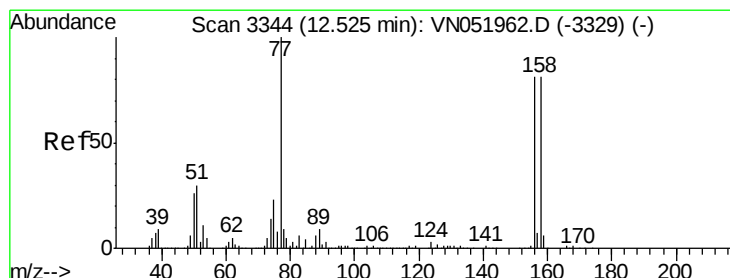
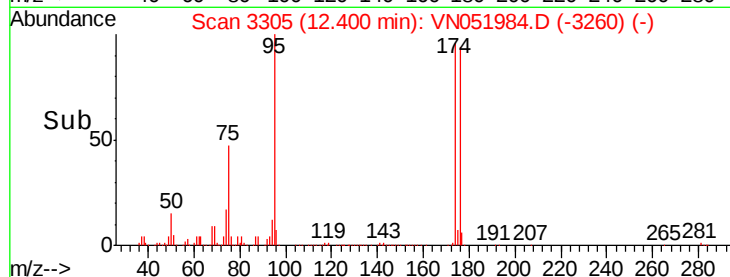
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 0.207 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

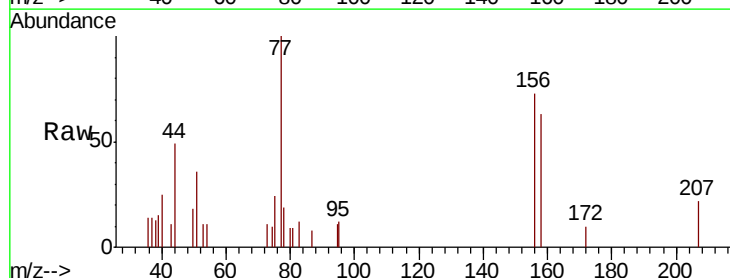
Tgt Ion: 156 Resp: 2369

Ion Ratio Lower Upper

156 100

77 158.4 71.1 213.3

158 82.1 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

2500

2000

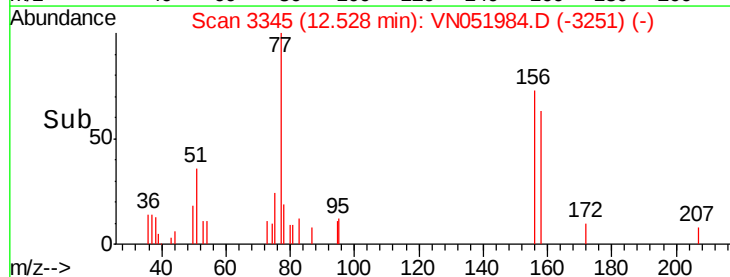
1500

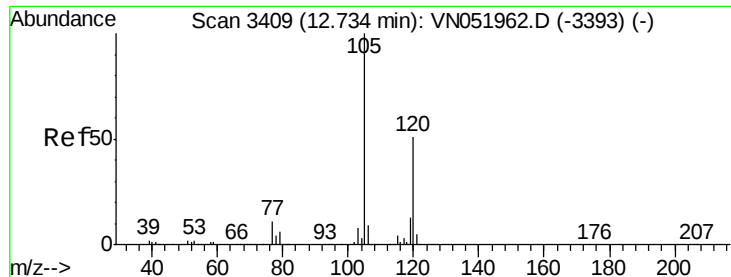
1000

500

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

Instrument :

MSVOA_N

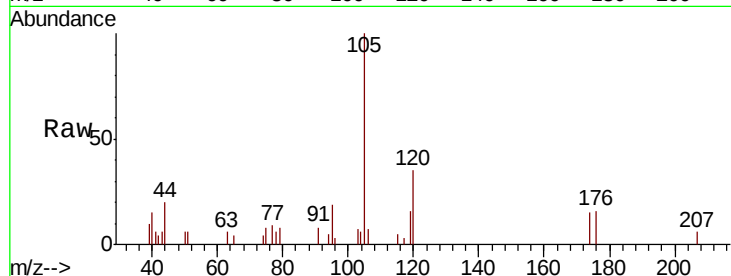
ClientSampleId :

Tot Ion:105 Resp: 8592

Ion Ratio Lower Upper

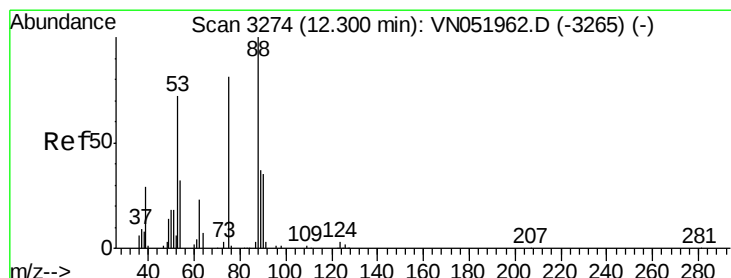
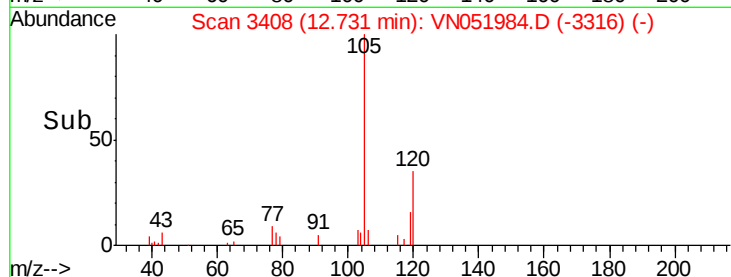
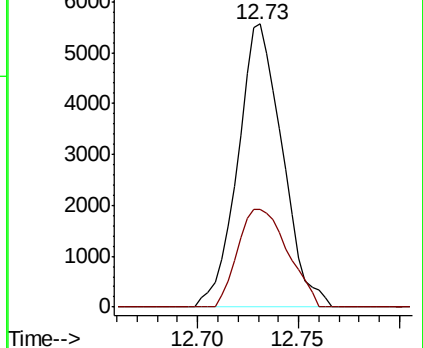
105 100

120 38.7 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 156.901 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051984.D

Acq: 24 Oct 2018 13:34

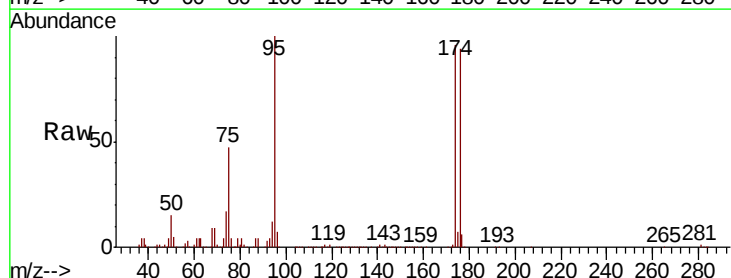
Tgt Ion: 75 Resp: 336571

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

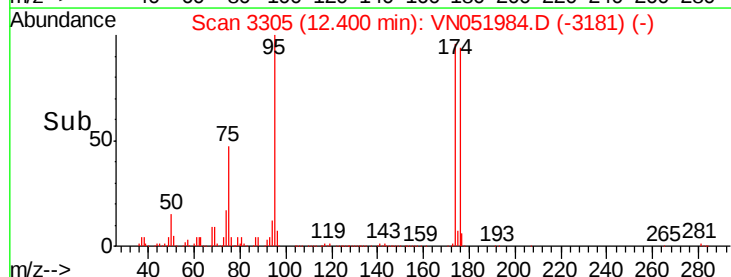
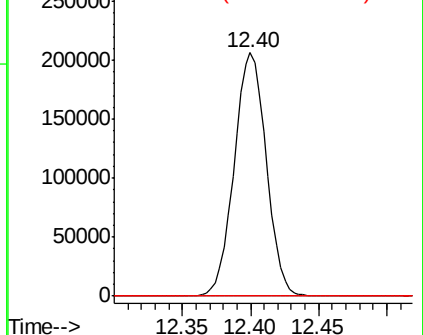
89 0.0 41.6 62.4#

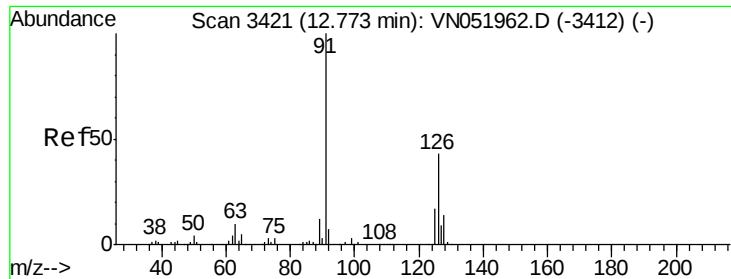


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

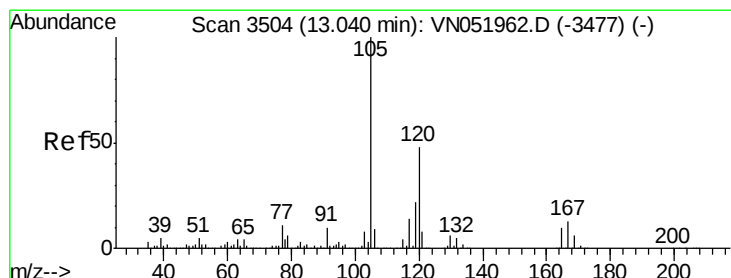
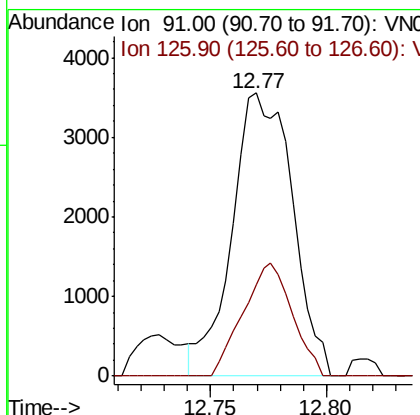
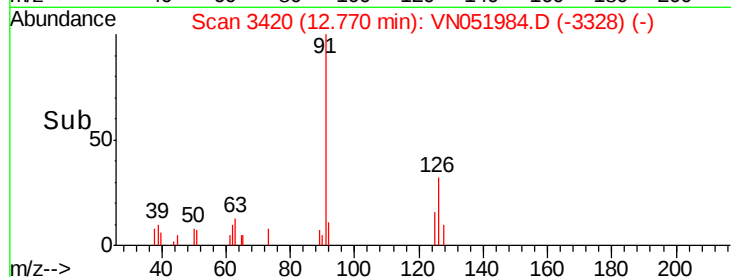
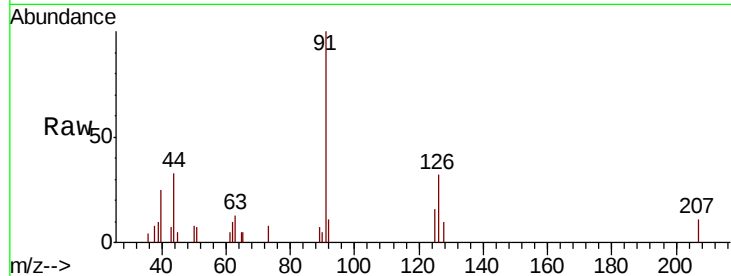




#82
4-Chlorotoluene
Concen: 0.239 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

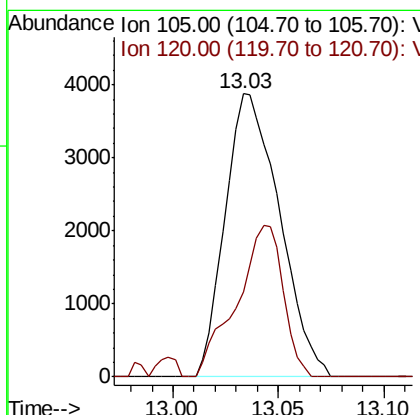
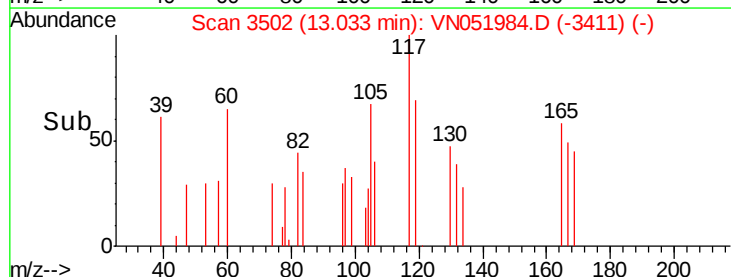
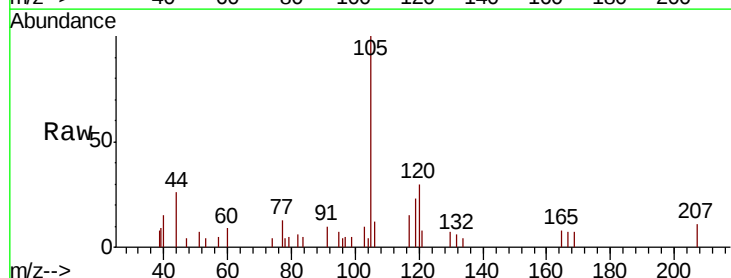
Instrument :
MSVOA_N
ClientSampleId :

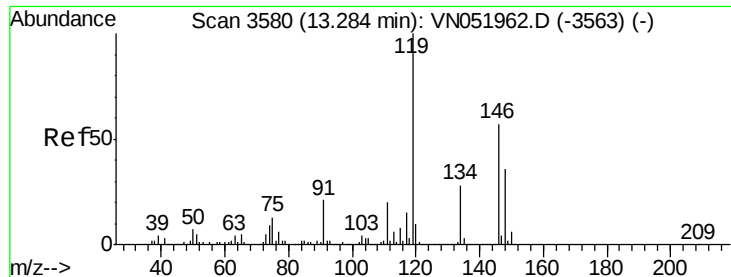
Tot Ion: 91 Resp: 6432
Ion Ratio Lower Upper
91 100
126 32.5 19.7 59.0



#84
1,2,4-Trimethylbenzene
Concen: 0.202 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 105 Resp: 6932
Ion Ratio Lower Upper
105 100
120 45.9 23.8 71.5

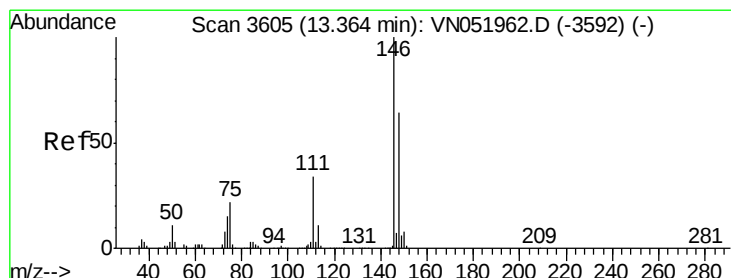
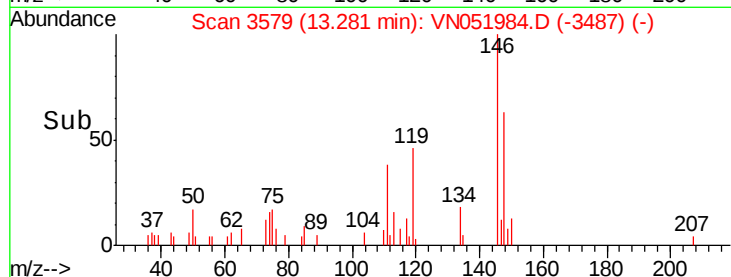
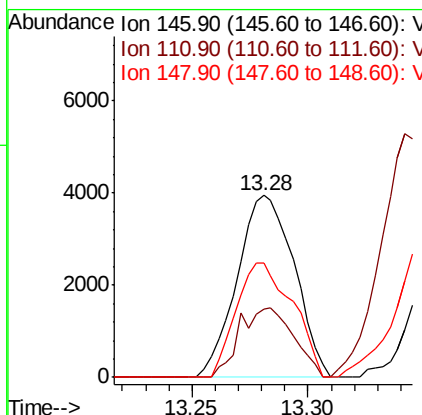
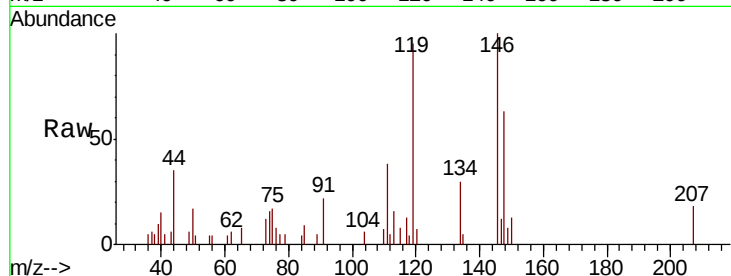




#87
 1,3-Dichlorobenzene
 Concen: 0.320 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

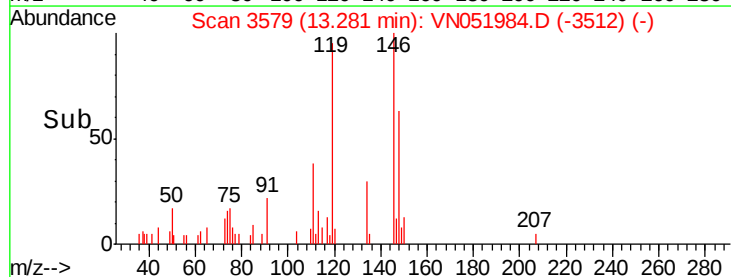
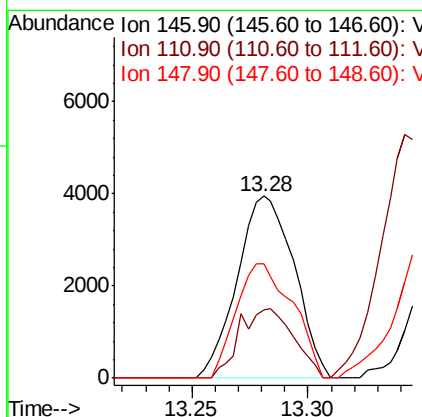
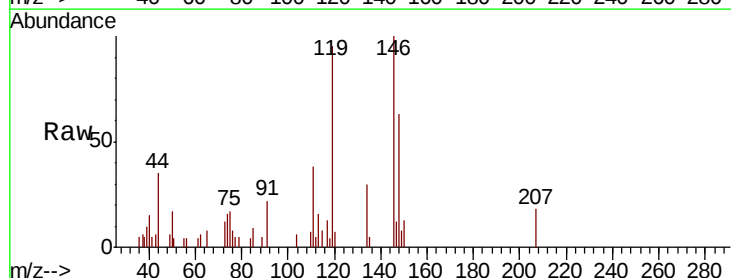
Instrument :
 MSVOA_N
 ClientSampleId :

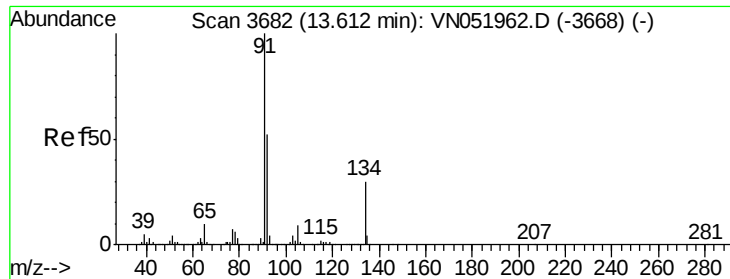
Tot Ion:146 Resp: 6752
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.6 52.8
 148 62.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.325 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Tgt Ion:146 Resp: 6752
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.3 51.7
 148 62.1 32.1 96.3

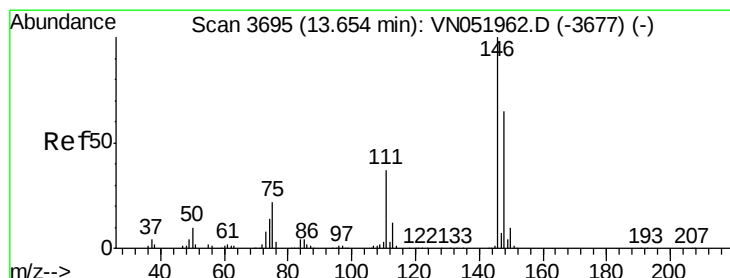
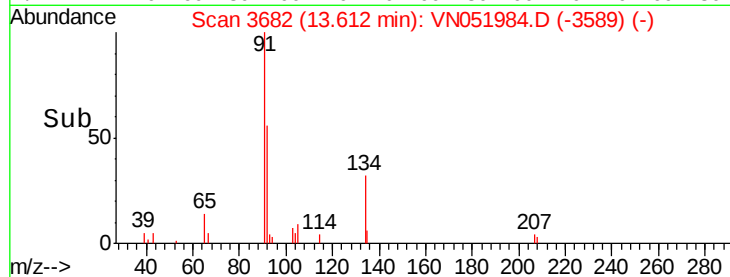
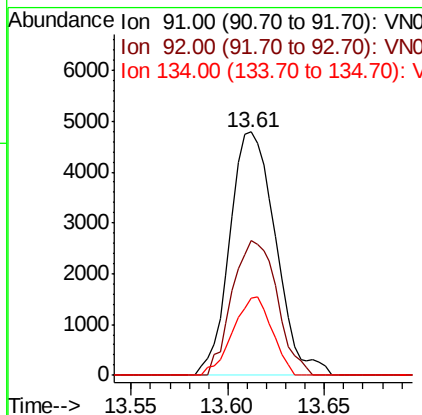
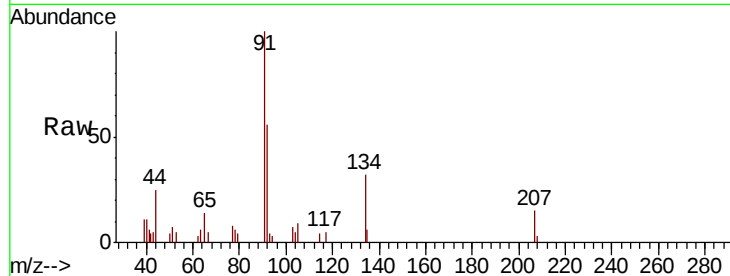




#89
n-Butylbenzene
Concen: 0.268 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

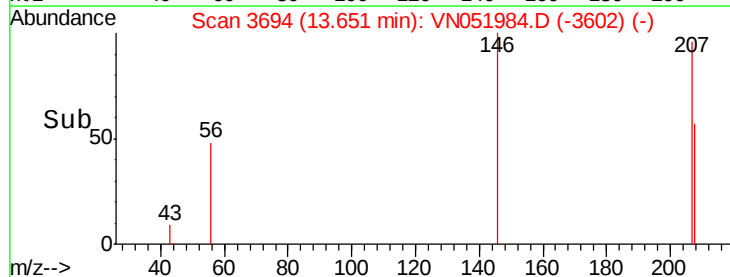
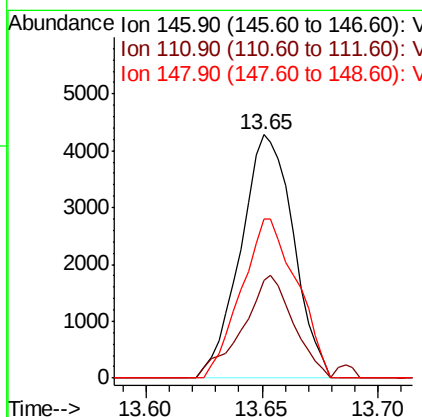
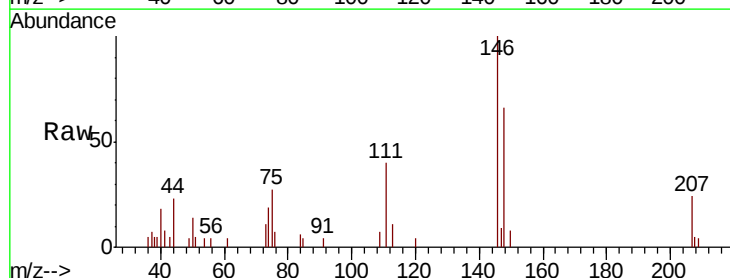
Instrument :
MSVOA_N
ClientSampled :

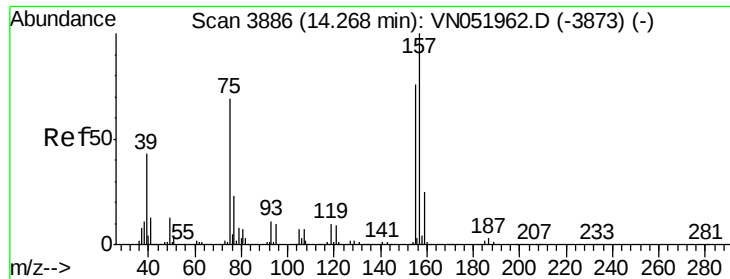
Tot Ion: 91 Resp: 7890
Ion Ratio Lower Upper
91 100
92 54.4 25.9 77.8
134 27.4 15.2 45.6



#91
1,2-Dichlorobenzene
Concen: 0.331 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion: 146 Resp: 6757
Ion Ratio Lower Upper
146 100
111 40.6 18.3 54.9
148 69.0 32.4 97.0

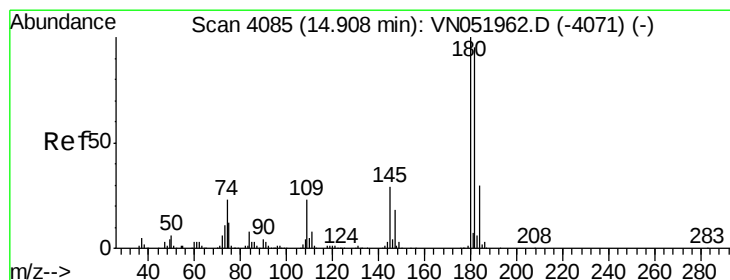
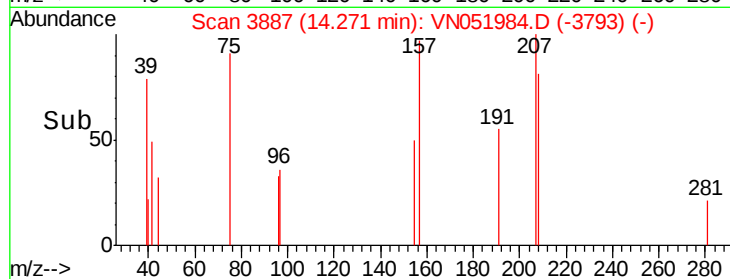
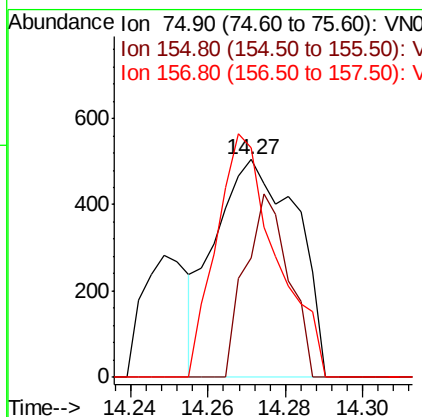
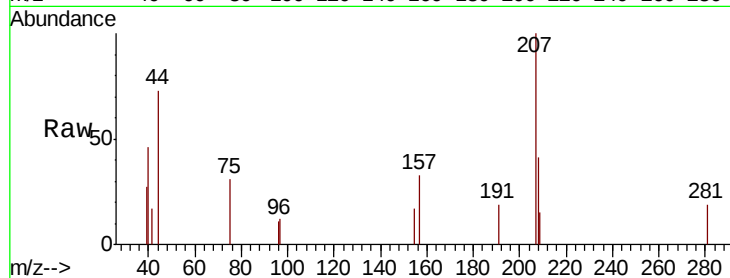




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.562 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

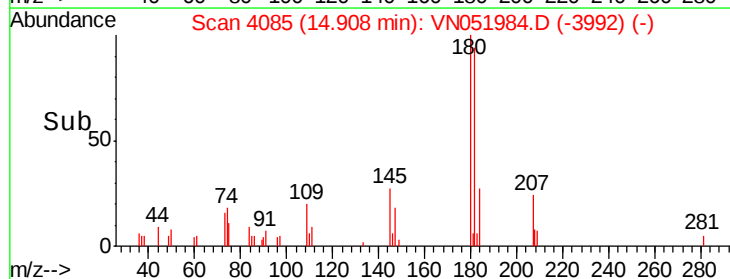
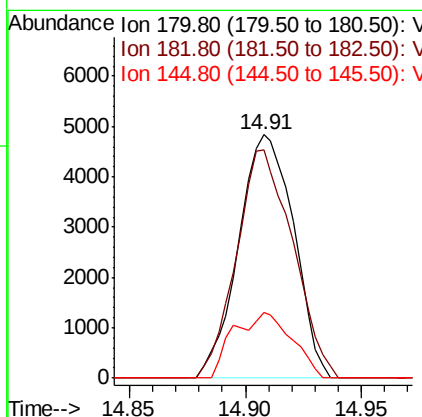
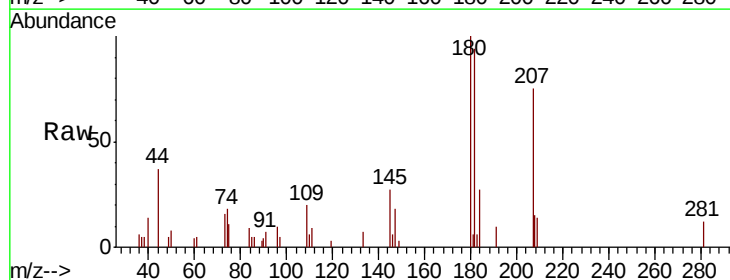
Instrument :
 MSVOA_N
 ClientSampleId :

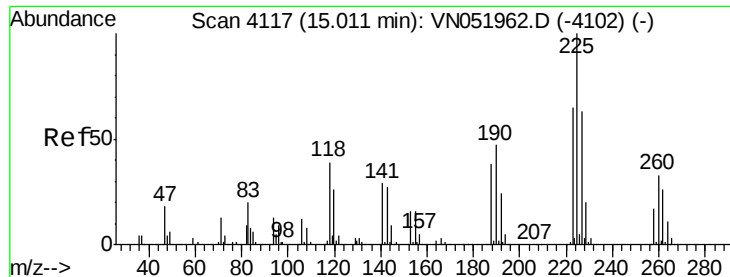
Tot Ion: 75 Resp: 738
 Ion Ratio Lower Upper
 75 100
 155 44.6 56.0 167.9#
 157 82.4 73.9 221.6



#93
 1,2,4-Trichlorobenzene
 Concen: 0.662 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Tgt Ion:180 Resp: 7973
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 28.5 14.5 43.5

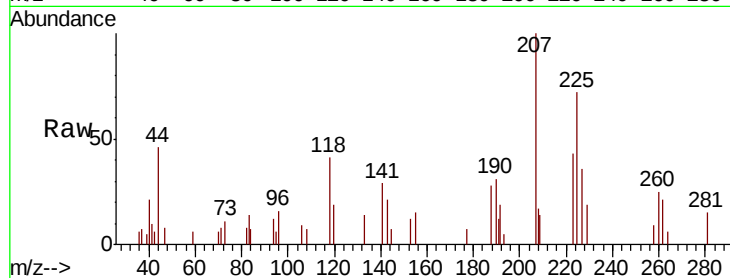




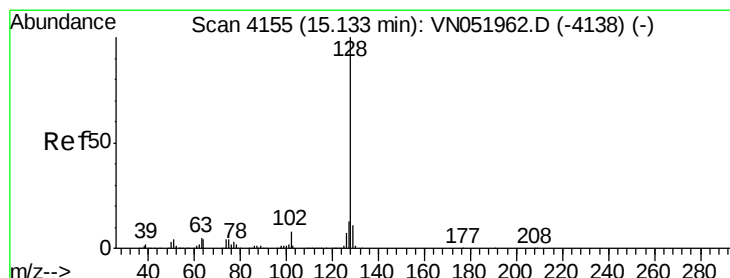
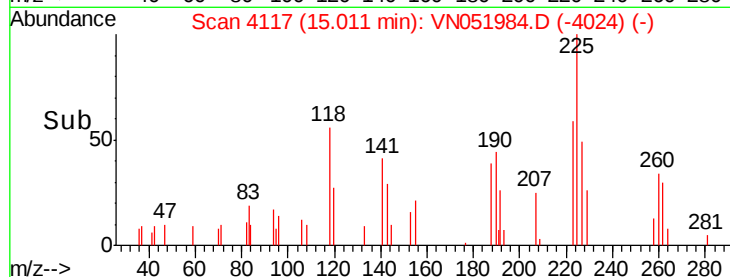
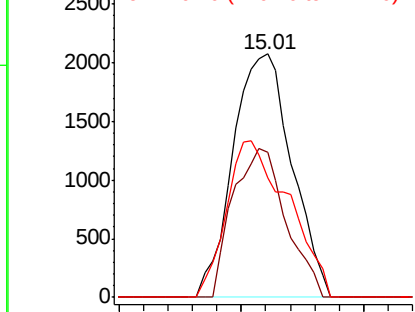
#94
Hexachlorobutadiene
Concen: 0.561 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 3469
Ion Ratio Lower Upper
225 100
223 55.1 31.8 95.4
227 68.0 31.4 94.2

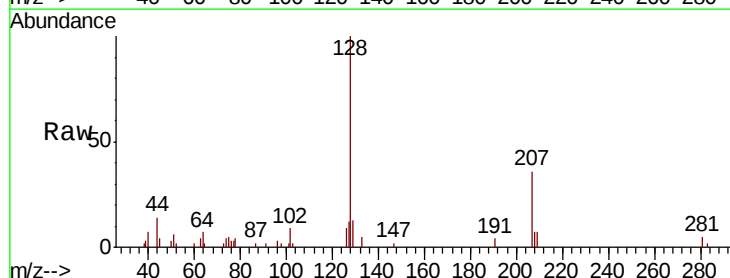


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

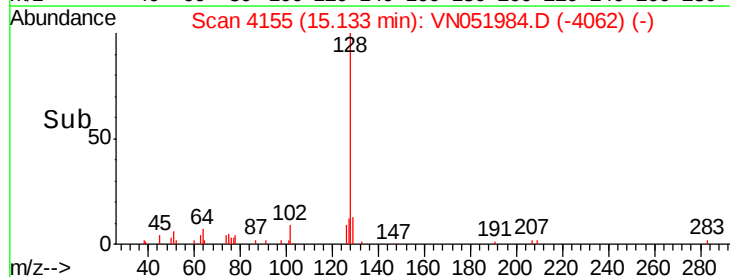
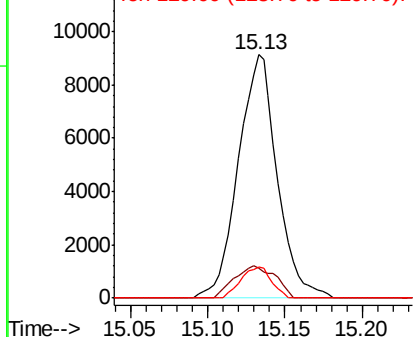


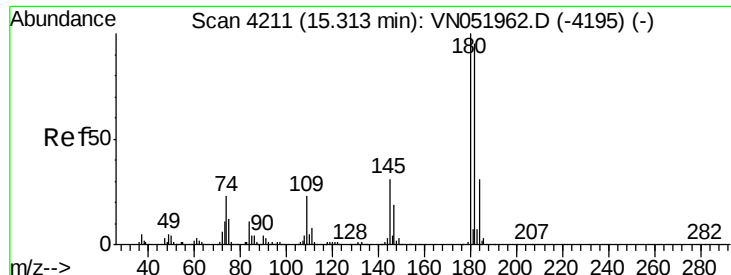
#95
Naphthalene
Concen: 0.609 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051984.D
Acq: 24 Oct 2018 13:34

Tgt Ion:128 Resp: 15930
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

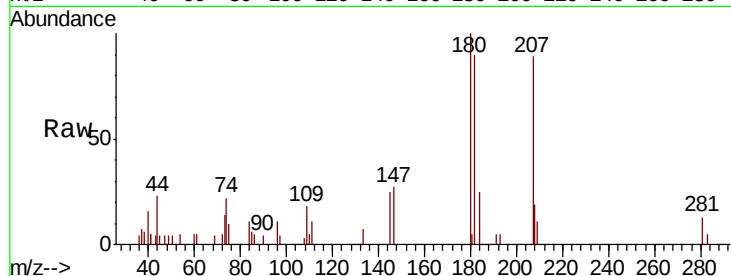




#96
 1,2,3-Trichlorobenzene
 Concen: 0.628 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051984.D
 Acq: 24 Oct 2018 13:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.6
145	30.5	15.4	46.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

