

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050487.D
 Acq On : 9 Aug 2018 15:51
 Operator : MD\SY
 Sample : PB111888ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	772113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1243311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1073897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	416783	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	506344	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.59	113	466573	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
50) Toluene-d8	10.09	98	1692573	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
62) 4-Bromofluorobenzene	12.40	95	493150	38.58	ug/l	0.00
Spiked Amount			Recovery	=	77.16%	

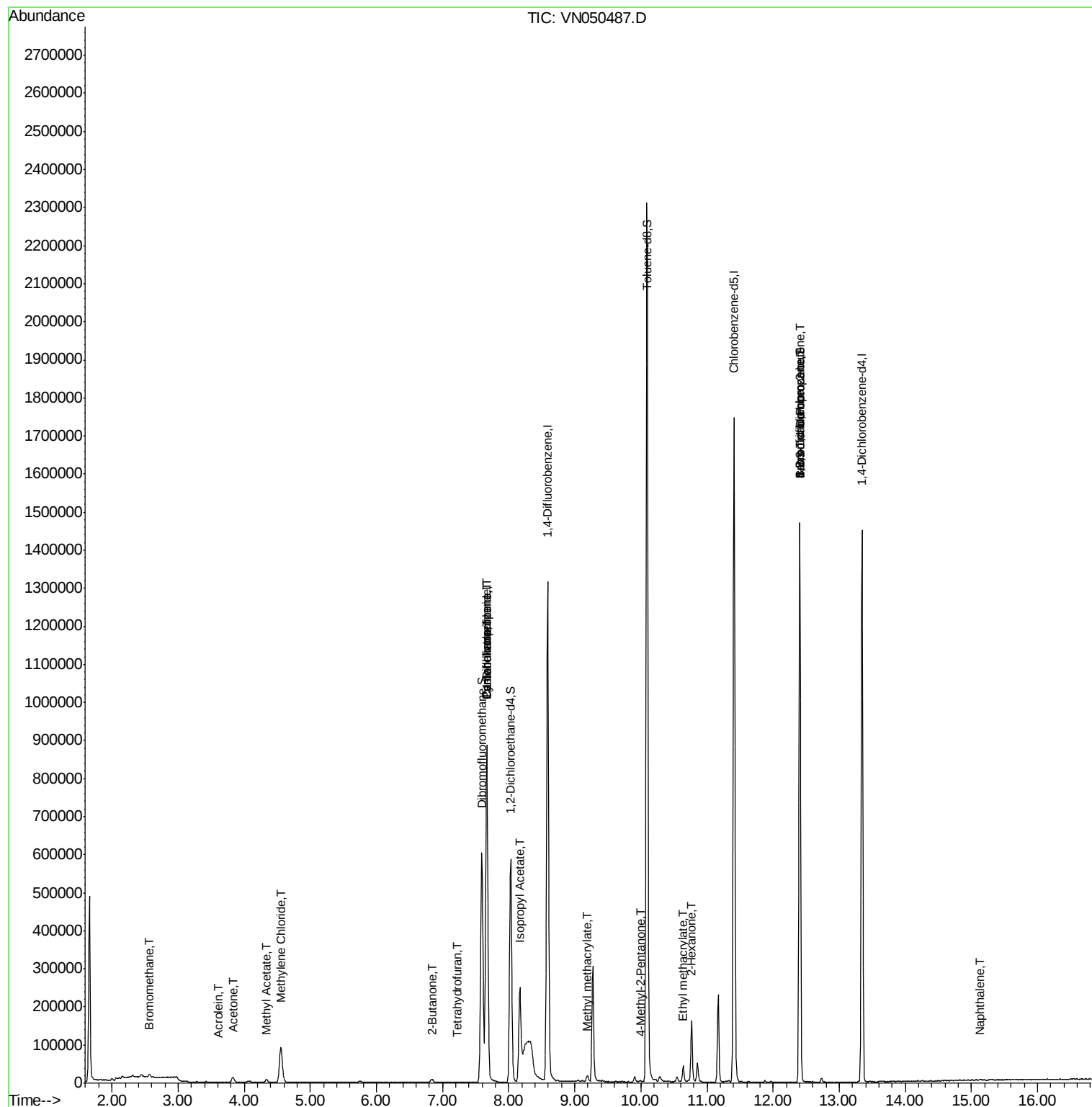
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3582	Below Cal		89
5) Bromomethane	2.57	94	5151	1.12 ug/l		99
13) Acrolein	3.61	56	178	15.18 ug/l	#	15
16) Acetone	3.82	43	24174	7.51 ug/l		98
18) Methyl Acetate	4.33	43	14295	1.60 ug/l		97
20) Methylene Chloride	4.55	84	73815	6.50 ug/l		99
25) 2-Butanone	6.85	43	4639	0.91 ug/l		96
29) Tetrahydrofuran	7.22	42	1371	0.50 ug/l	#	62
31) Cyclohexane	7.67	56	13599	0.29 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	52004	3.81 ug/l	#	43
38) Carbon Tetrachloride	7.67	117	69026	4.84 ug/l	#	16
43) Isopropyl Acetate	8.17	43	317850	18.72 ug/l		99
48) Methyl methacrylate	9.18	41	9568	1.12 ug/l	#	21
51) 4-Methyl-2-Pentanone	9.99	43	2806	0.23 ug/l		99
56) Ethyl methacrylate	10.64	69	758	1.76 ug/l	#	1
59) 2-Hexanone	10.77	43	22643	2.65 ug/l	#	58
71) Bromoform	12.40	173	3254	0.45 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	234663	31.11 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	234663	109.29 ug/l	#	13
94) Hexachlorobutadiene	15.01	225	64	Below Cal	#	18
95) Naphthalene	15.14	128	1436	3.69 ug/l	#	75

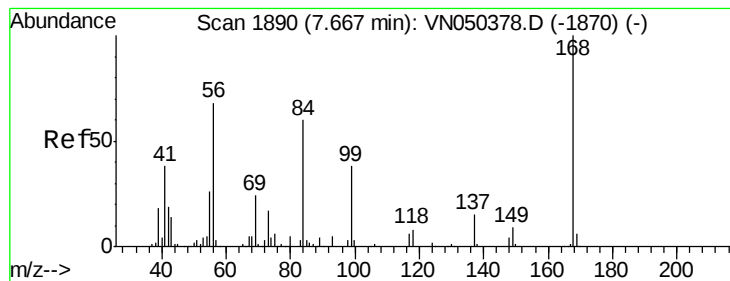
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

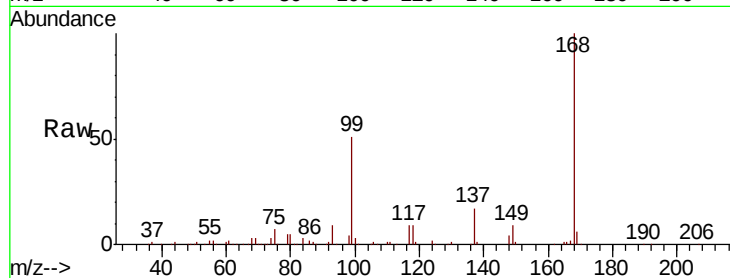
ClientSampled :

Tot Ion:168 Resp: 772113

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

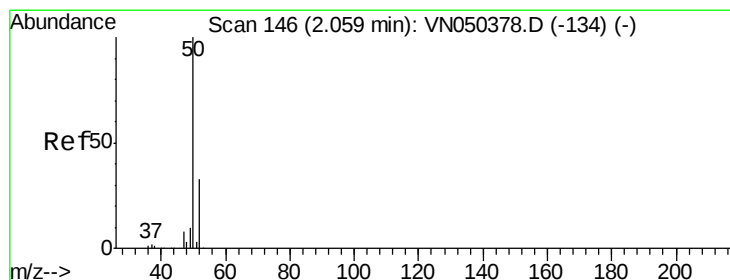
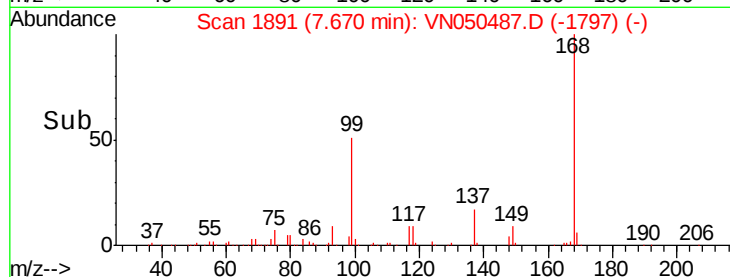
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050487.D

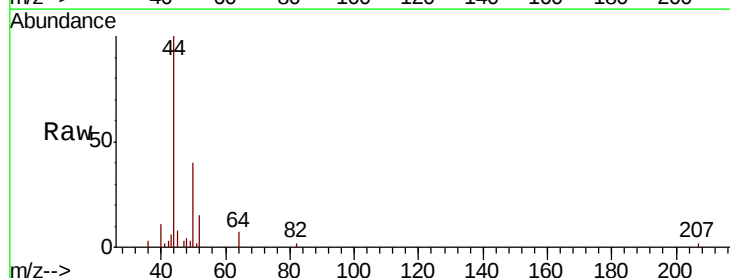
Acq: 9 Aug 2018 15:51

Tgt Ion: 50 Resp: 3582

Ion Ratio Lower Upper

50 100

52 38.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

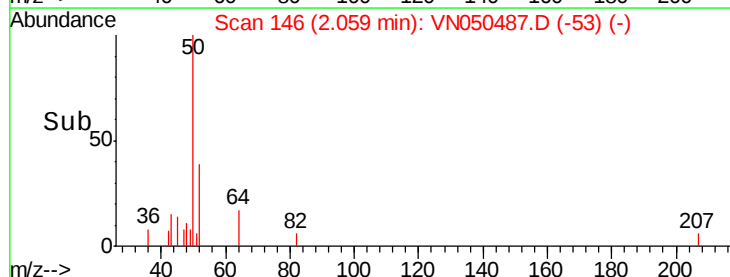
1500

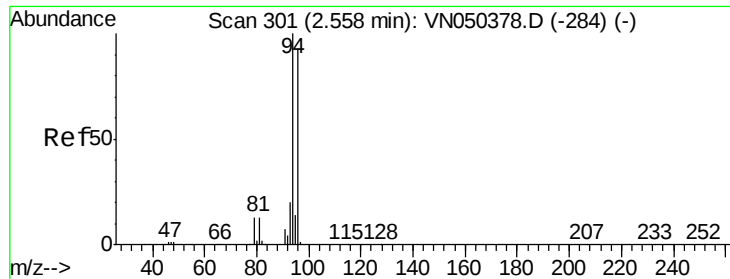
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.12 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

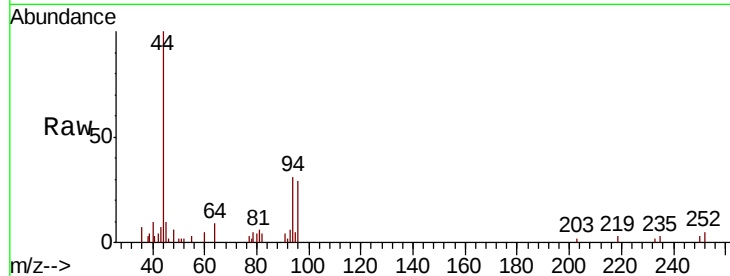
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 5151

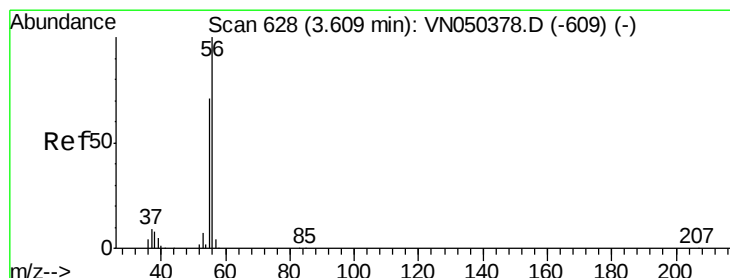
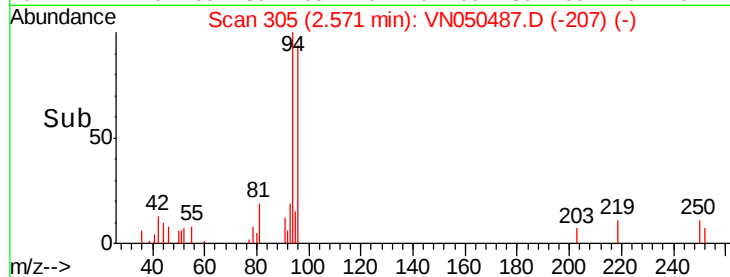
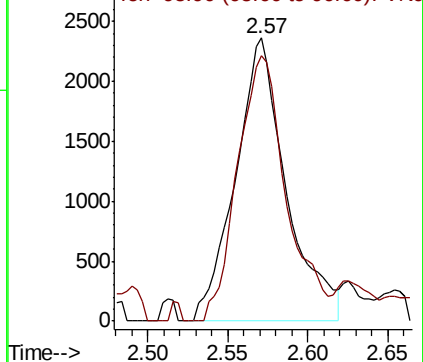
Ion Ratio Lower Upper

94 100

96 93.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 15.18 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050487.D

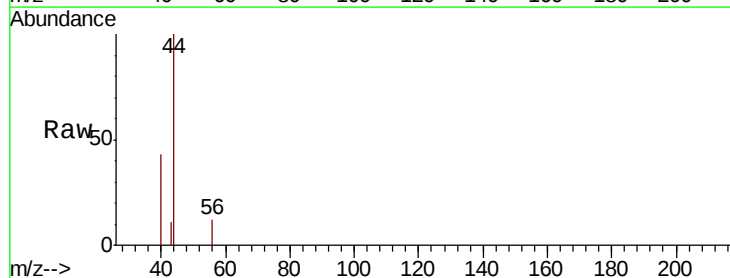
Acq: 9 Aug 2018 15:51

Tgt Ion: 56 Resp: 178

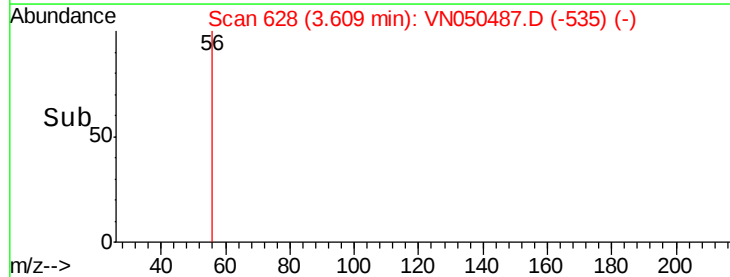
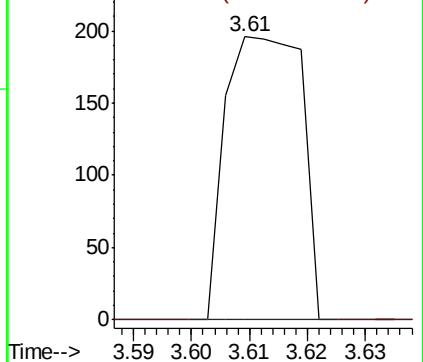
Ion Ratio Lower Upper

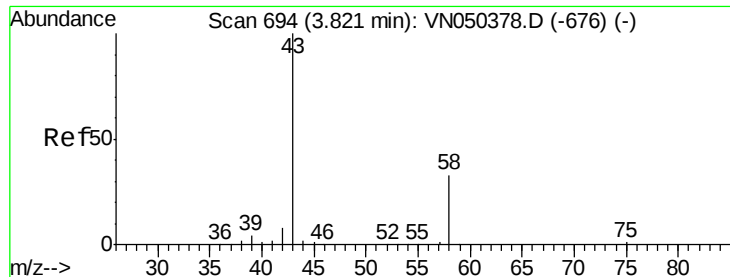
56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 7.51 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

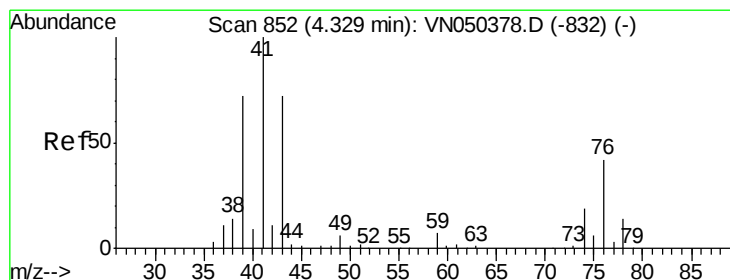
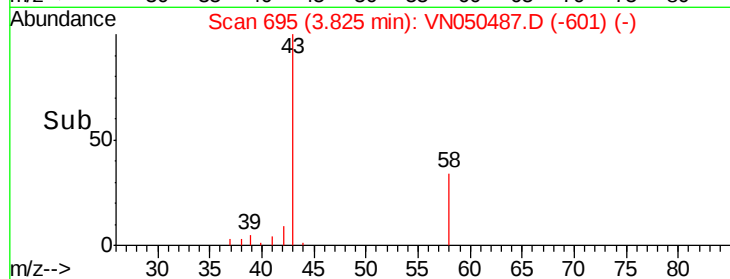
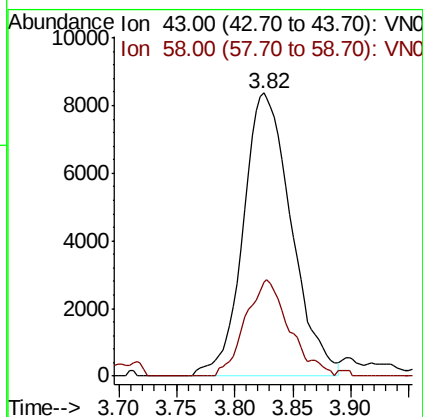
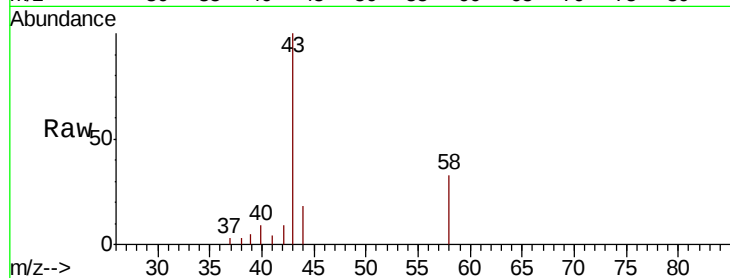
ClientSampleId :

Tot Ion: 43 Resp: 24174

Ion Ratio Lower Upper

43 100

58 33.2 25.8 38.8



#18

Methyl Acetate

Concen: 1.60 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050487.D

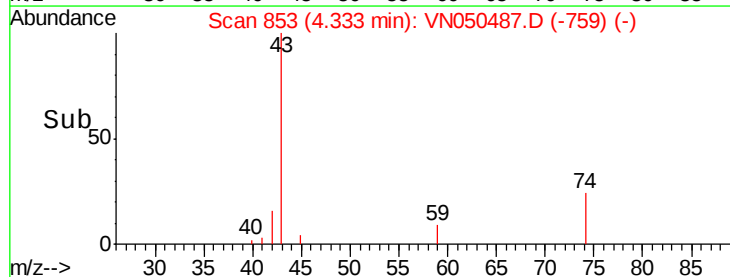
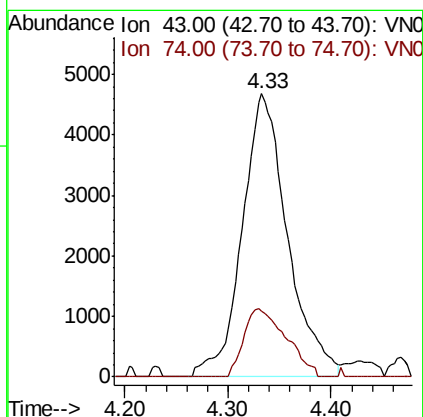
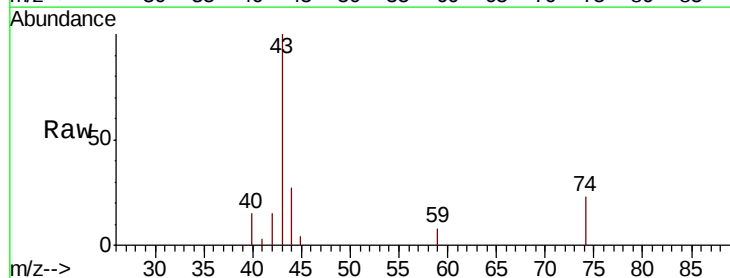
Acq: 9 Aug 2018 15:51

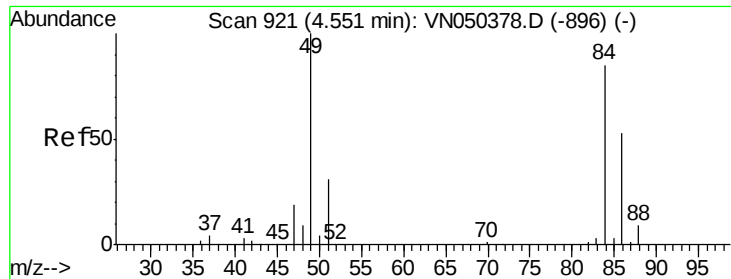
Tgt Ion: 43 Resp: 14295

Ion Ratio Lower Upper

43 100

74 22.5 19.2 28.8

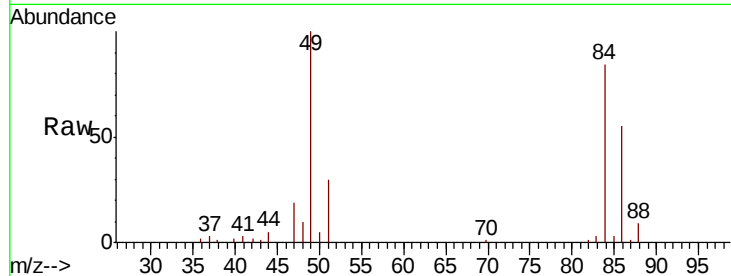




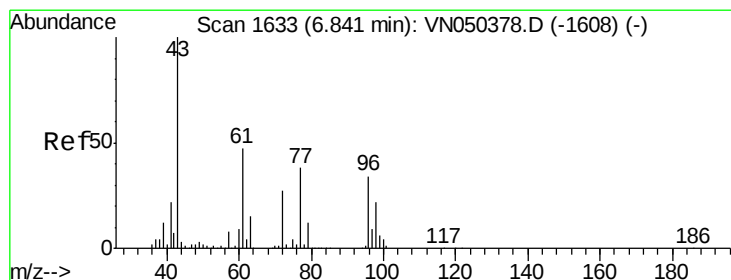
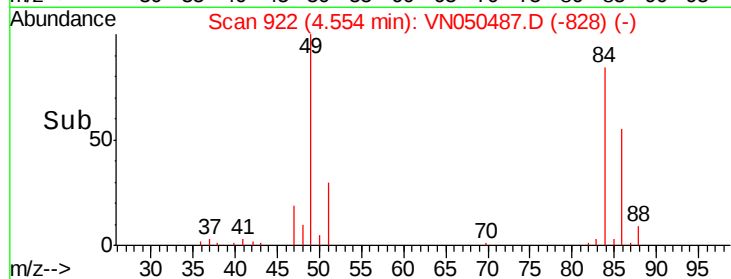
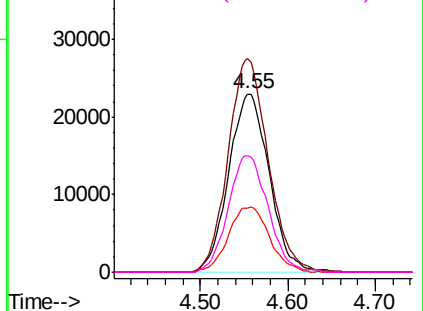
#20
Methvlene Chloride
Concen: 6.50 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 73815
Ion Ratio Lower Upper
84 100
49 119.7 94.8 142.2
51 36.1 28.3 42.5
86 65.4 51.0 76.6

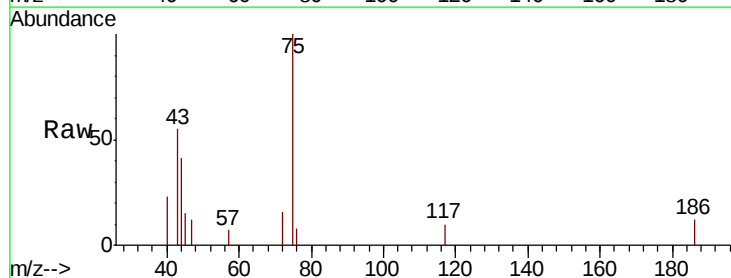


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

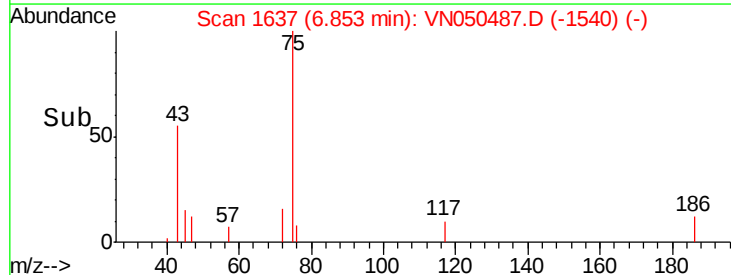
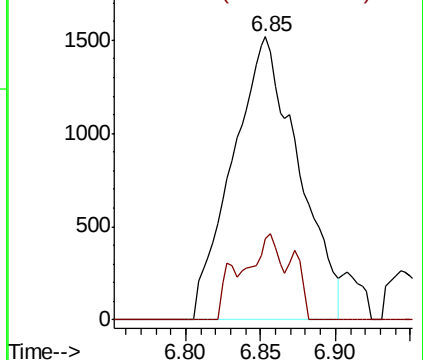


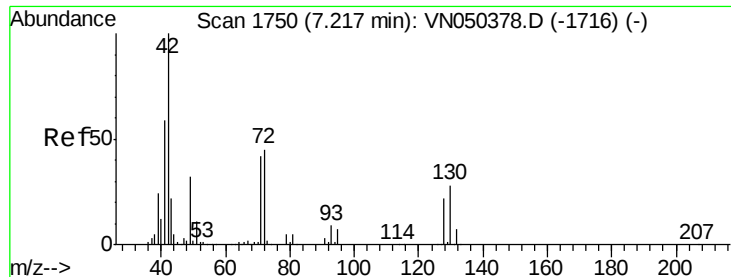
#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Tgt Ion: 43 Resp: 4639
Ion Ratio Lower Upper
43 100
72 28.8 21.5 32.3



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





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

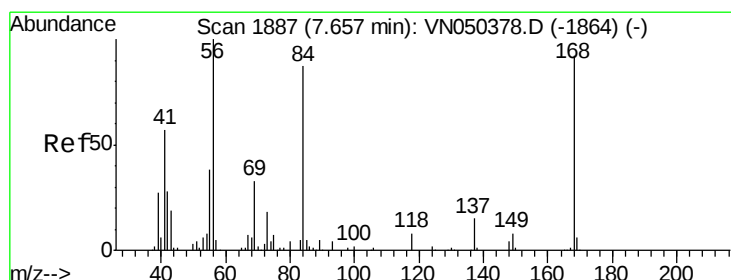
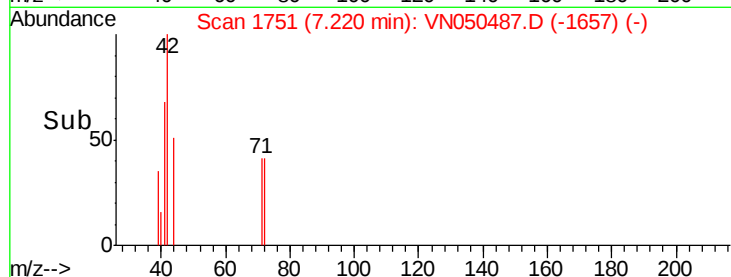
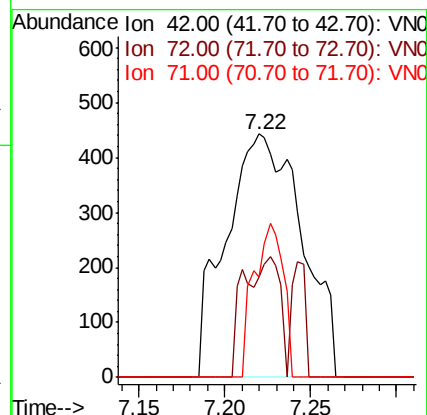
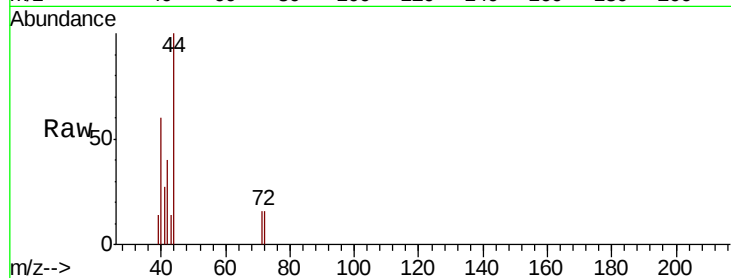
Tot Ion: 42 Resp: 1371

Ion Ratio Lower Upper

42 100

72 13.8 35.9 53.9#

71 23.9 33.7 50.5#



#31

Cyclohexane

Concen: 0.29 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

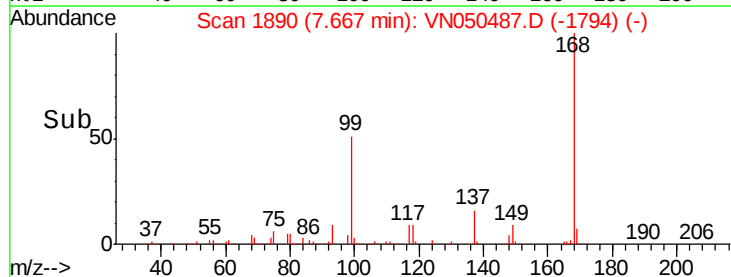
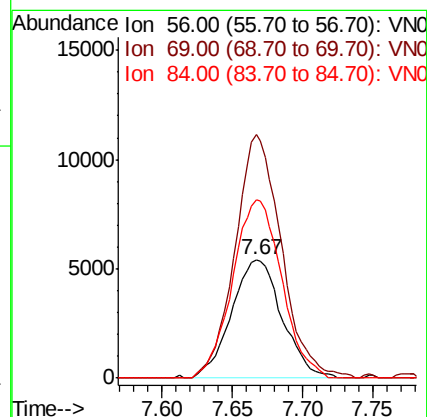
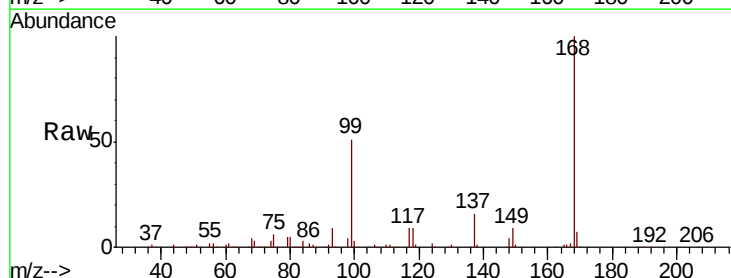
Tgt Ion: 56 Resp: 13599

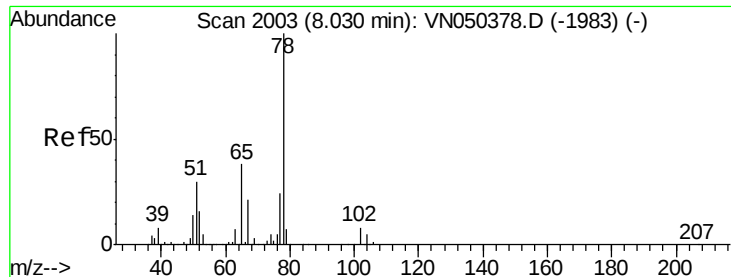
Ion Ratio Lower Upper

56 100

69 205.0 26.2 39.4#

84 150.2 67.4 101.0#

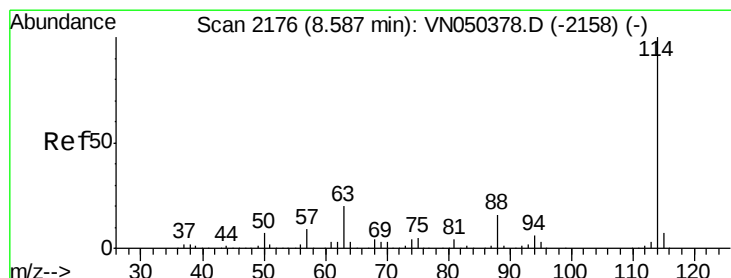
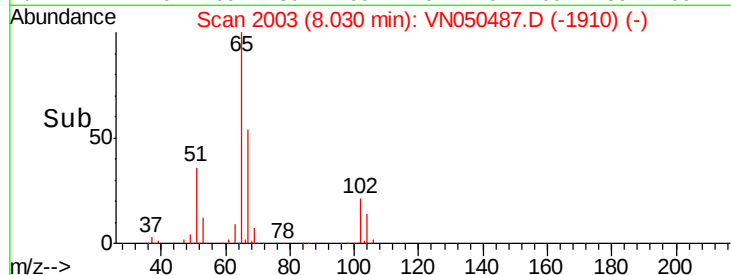
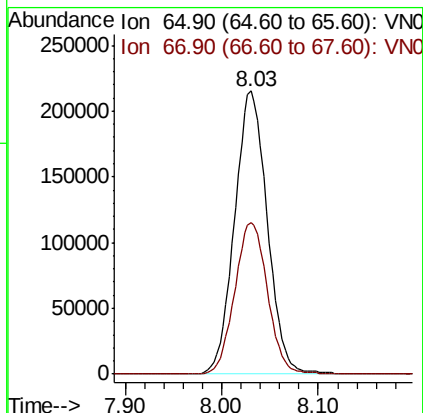
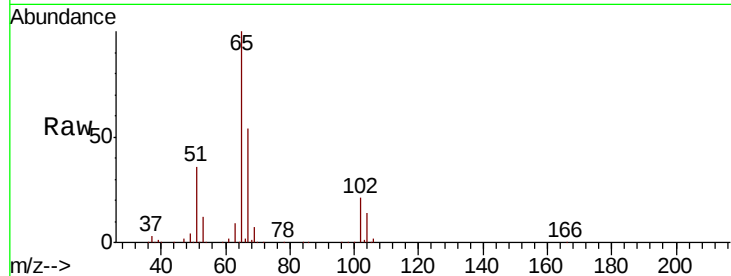




#33
 1,2-Dichloroethane-d4
 Concen: 49.08 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

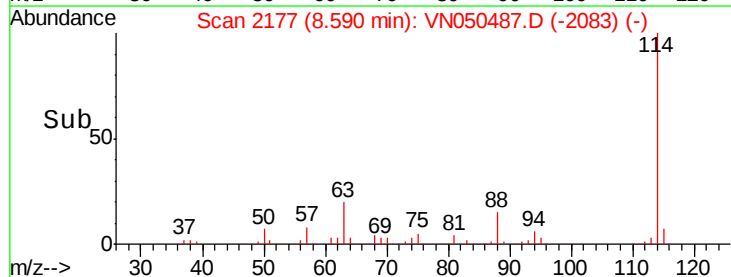
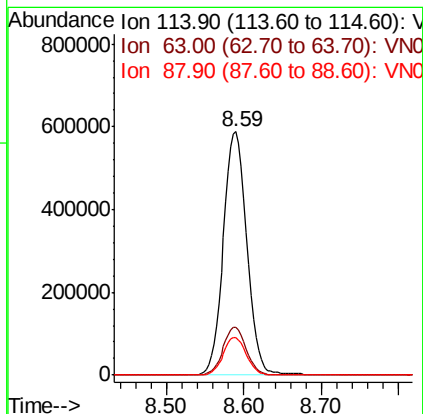
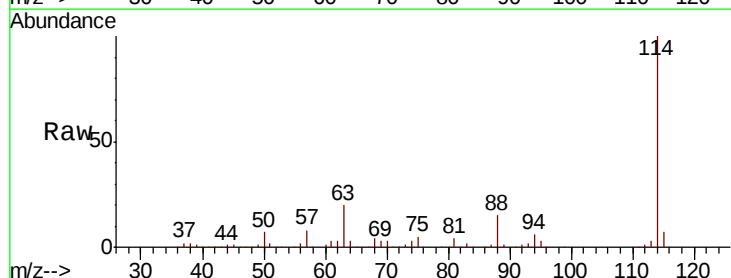
Instrument :
 MSVOA_N
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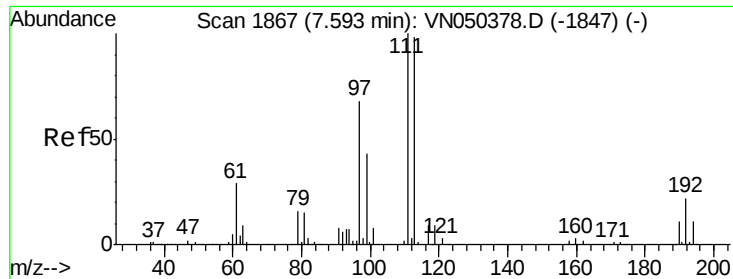
Tot Ion: 65 Resp: 506344
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

Tgt Ion:114 Resp: 1243311
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 31.2

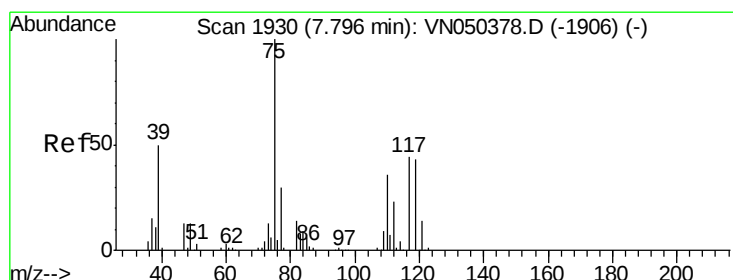
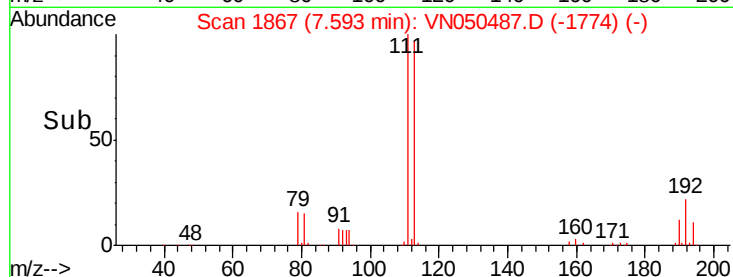
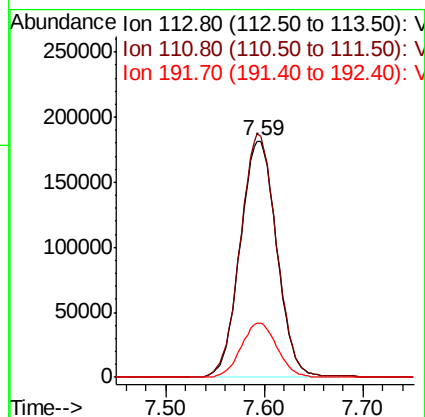
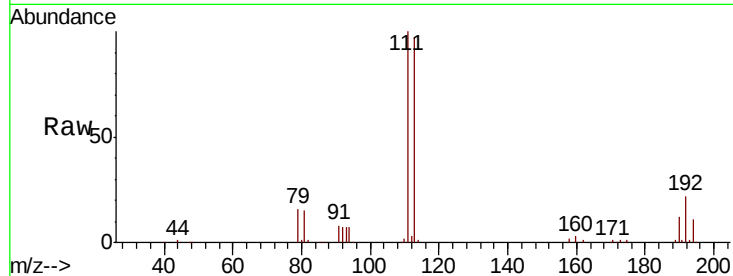




#35
 Dibromofluoromethane
 Concen: 46.77 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

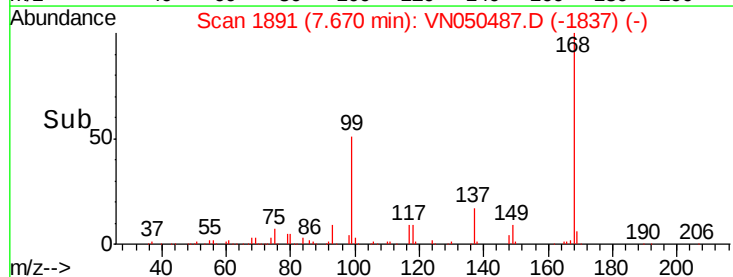
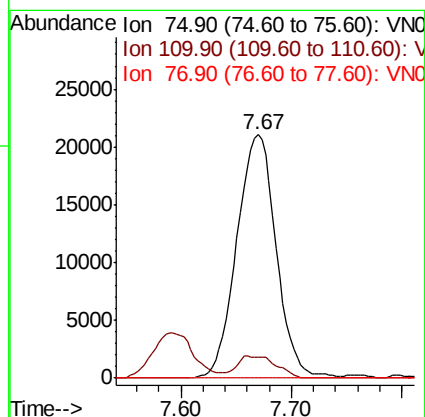
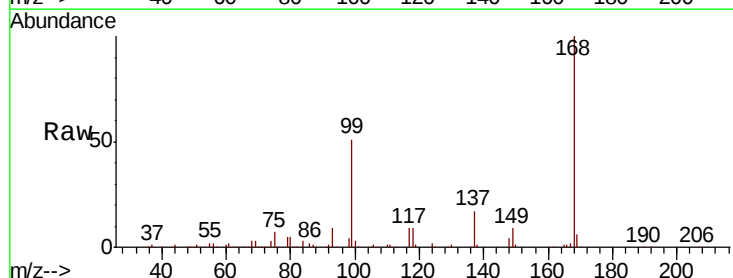
Instrument :
 MSVOA_N
 ClientSampled :

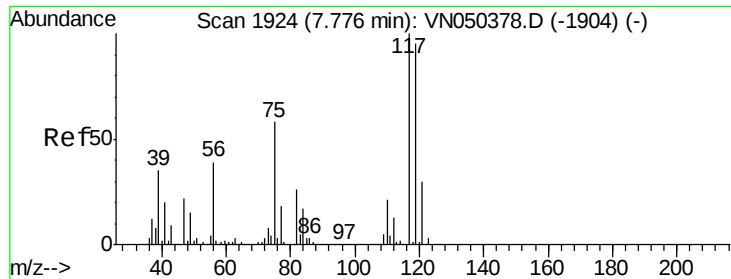
Tot Ion:113 Resp: 466573
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

Tgt Ion: 75 Resp: 52004
 Ion Ratio Lower Upper
 75 100
 110 2.8 18.4 55.2#
 77 0.0 25.3 37.9#

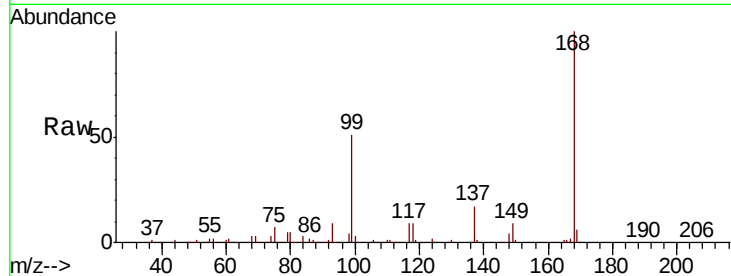




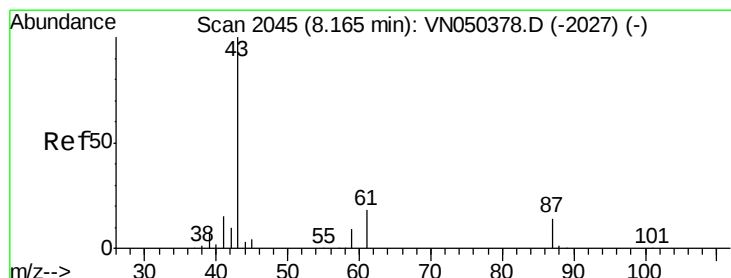
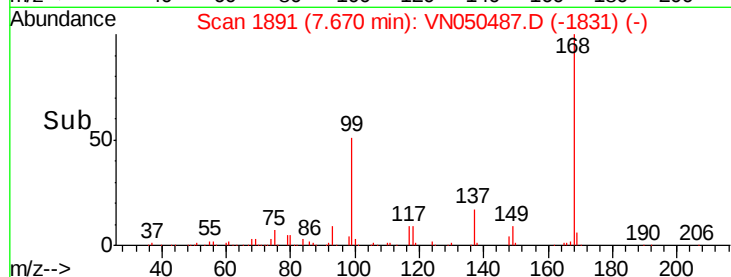
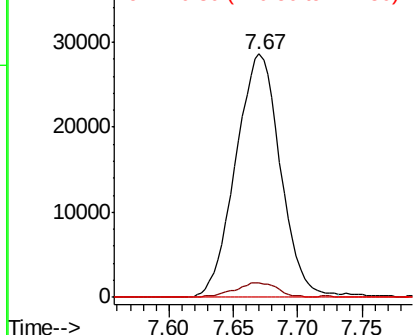
#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 69026
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 23.9 35.9#

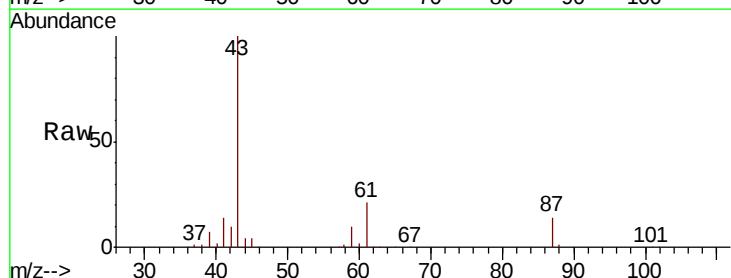


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

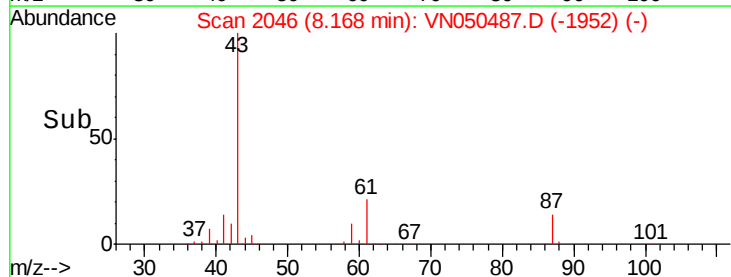
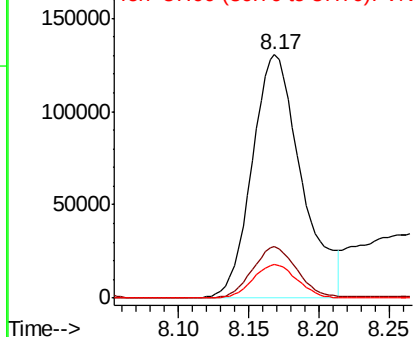


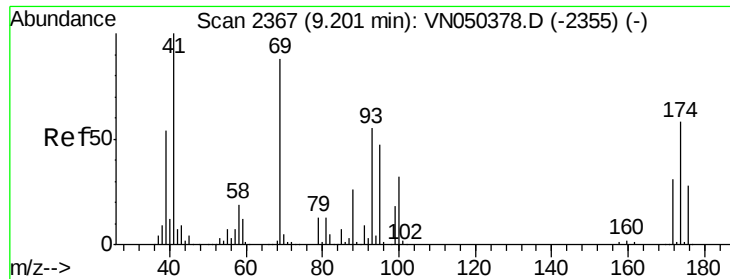
#43
Isopropyl Acetate
Concen: 18.72 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Tgt Ion: 43 Resp: 317850
Ion Ratio Lower Upper
43 100
61 19.4 15.8 23.6
87 12.5 10.3 15.5



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

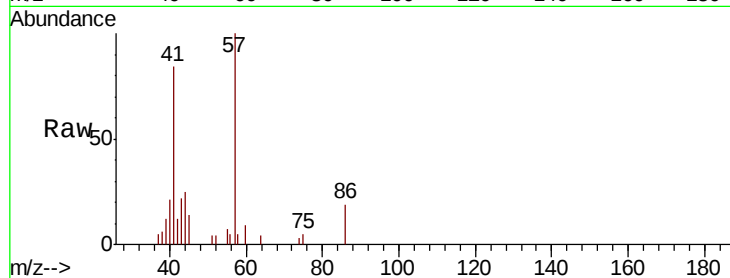




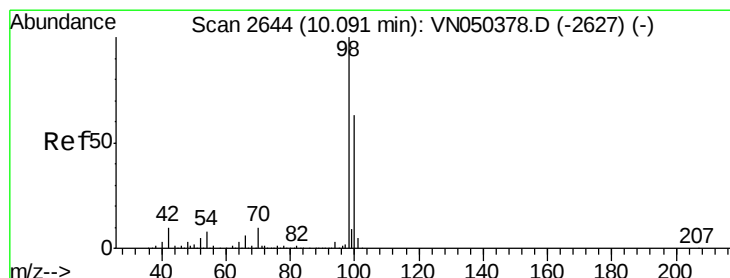
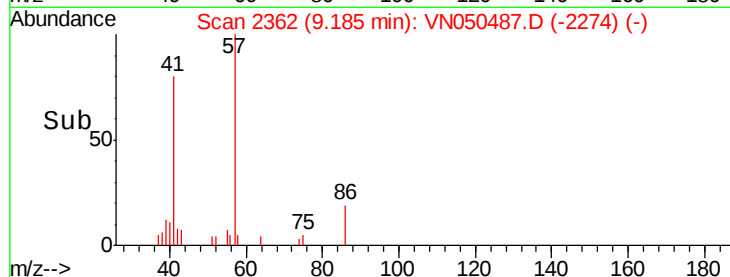
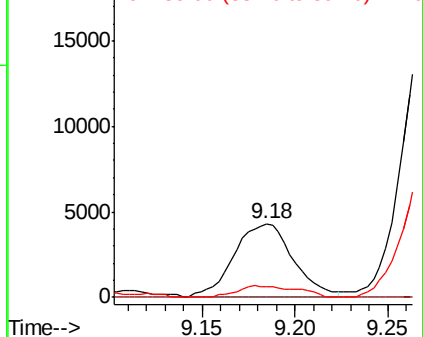
#48
Methyl methacrylate
Concen: 1.12 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 9568
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.2 43.9 65.9#

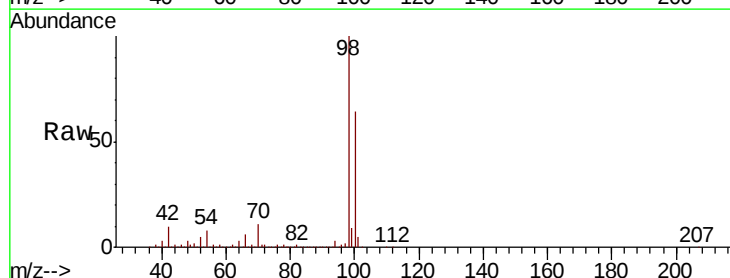


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

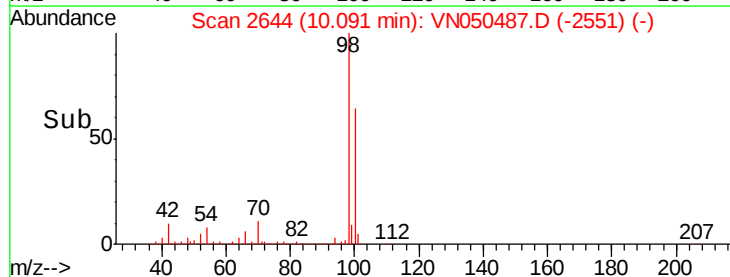
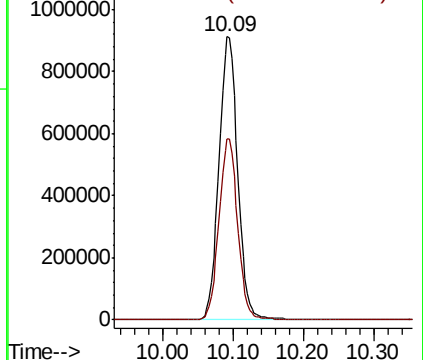


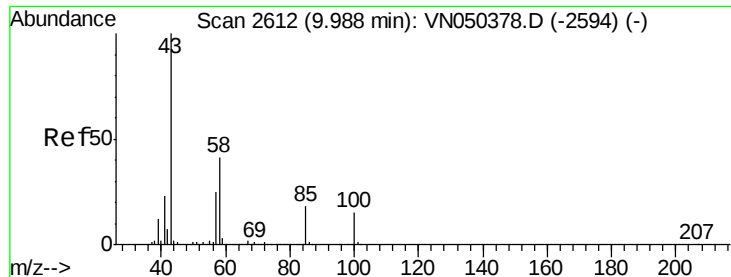
#50
Toluene-d8
Concen: 45.12 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Tgt Ion: 98 Resp: 1692573
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

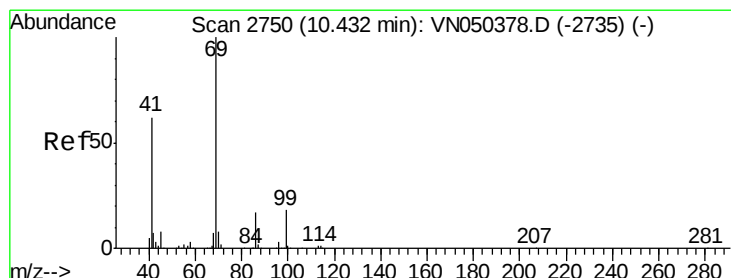
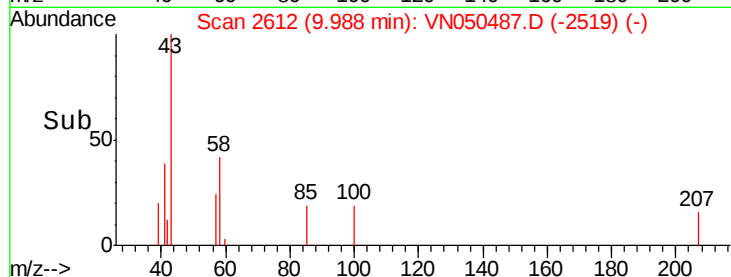
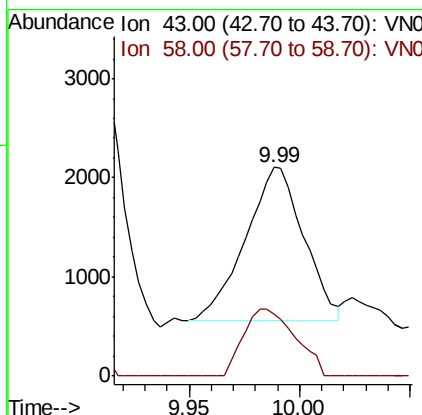
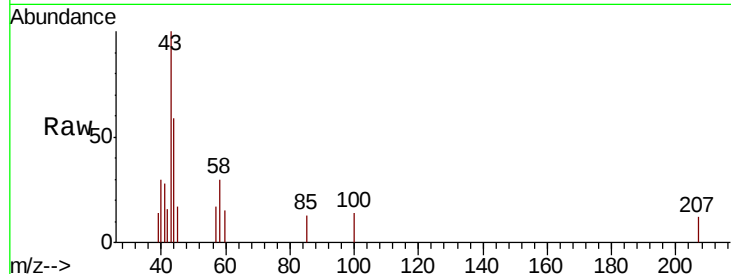




#51
 4-Methyl-2-Pentanone
 Concen: 0.23 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

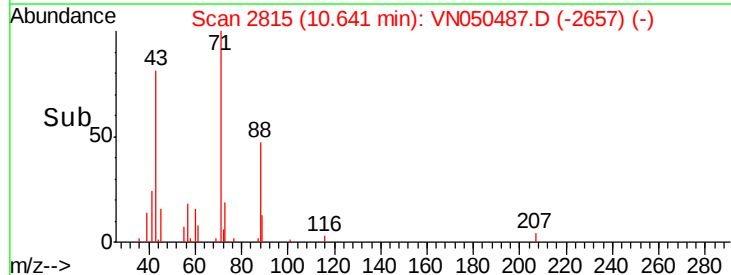
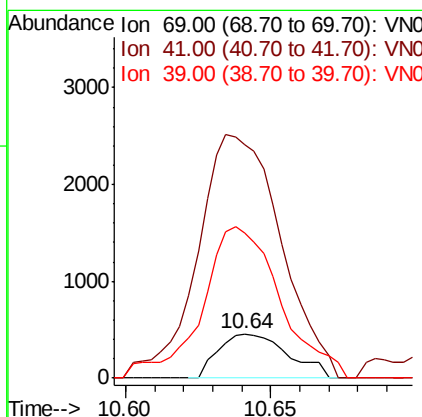
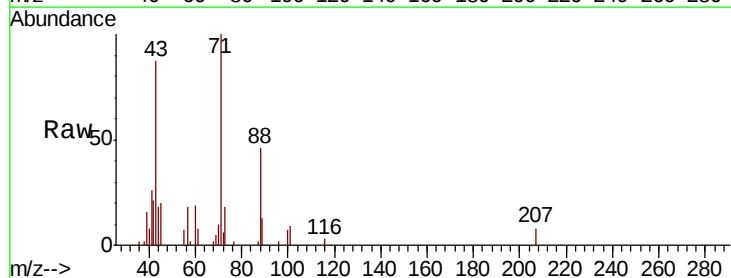
Instrument :
 MSVOA_N
 ClientSampled :

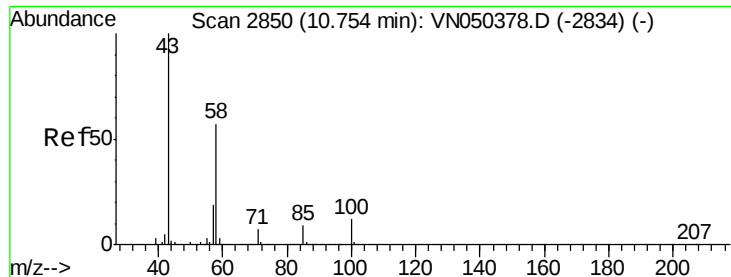
Tot Ion: 43 Resp: 2806
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9



#56
 Ethyl methacrylate
 Concen: 1.76 ug/l
 RT: 10.64 min Scan# 2815
 Delta R.T. 0.21 min
 Lab File: VN050487.D
 Acq: 9 Aug 2018 15:51

Tgt Ion: 69 Resp: 758
 Ion Ratio Lower Upper
 69 100
 41 662.8 51.0 76.4#
 39 388.7 26.6 40.0#





#59

2-Hexanone

Concen: 2.65 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

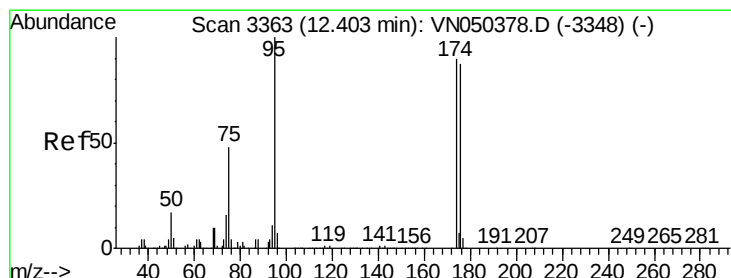
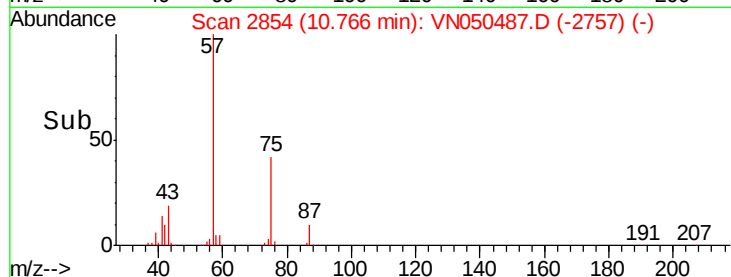
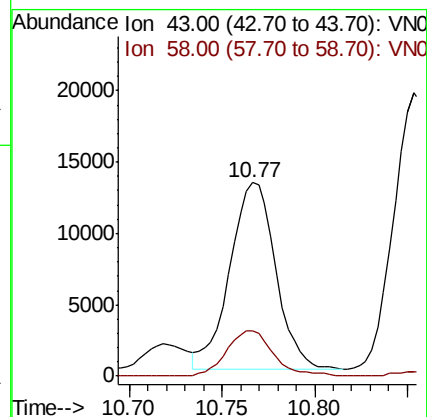
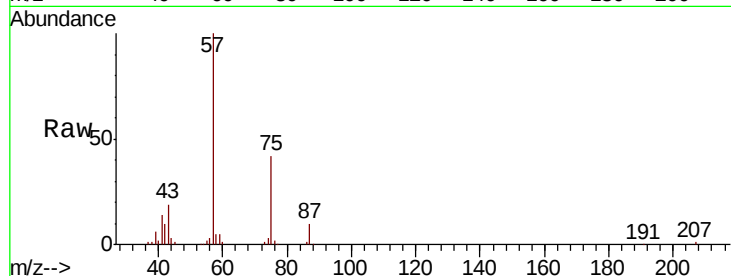
ClientSampled :

Tot Ion: 43 Resp: 22643

Ion Ratio Lower Upper

43 100

58 24.7 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 38.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

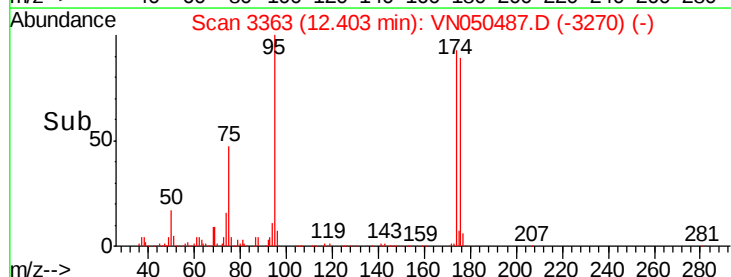
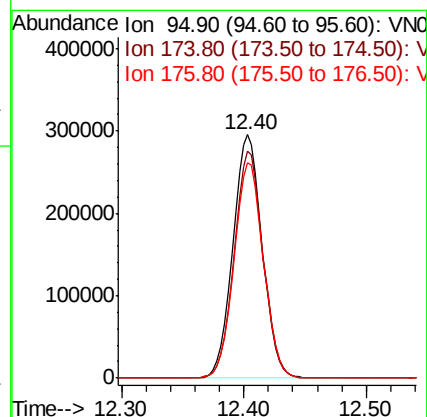
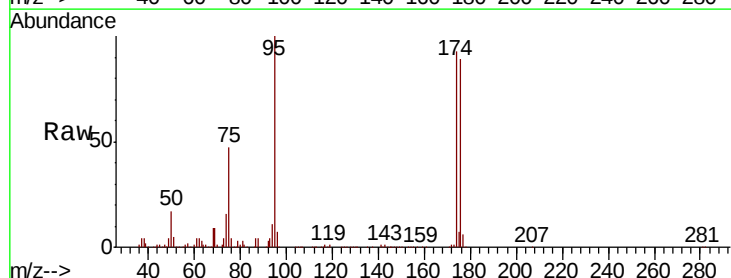
Tgt Ion: 95 Resp: 493150

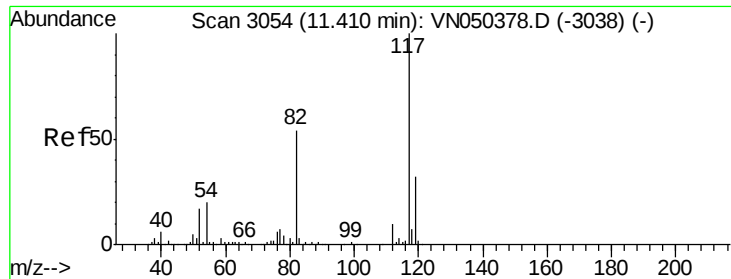
Ion Ratio Lower Upper

95 100

174 92.2 0.0 178.2

176 89.0 0.0 173.4

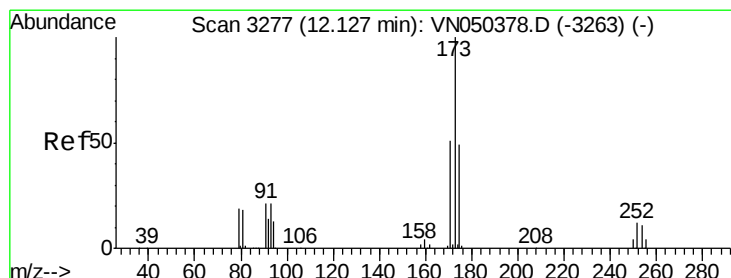
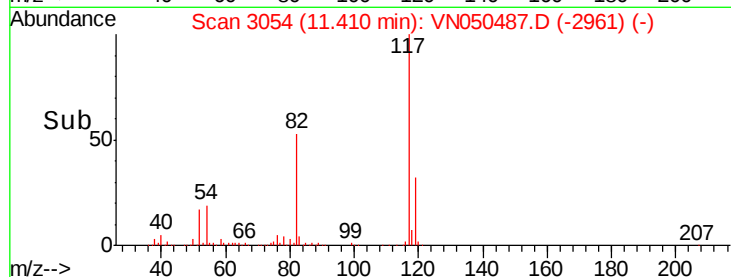
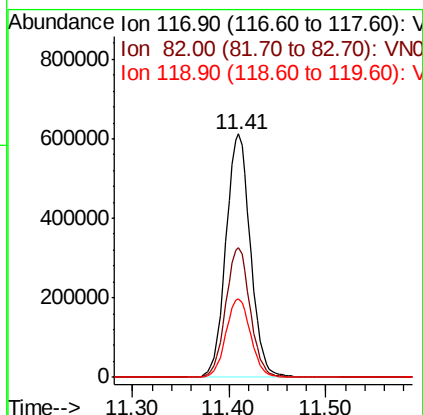
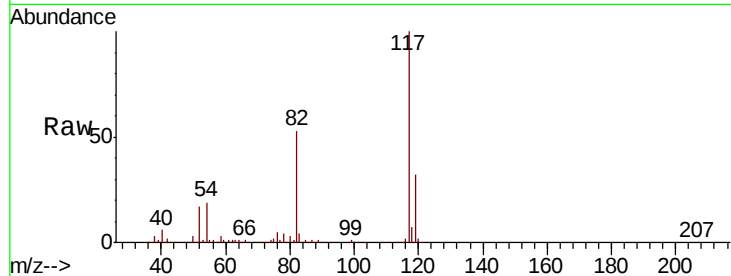




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

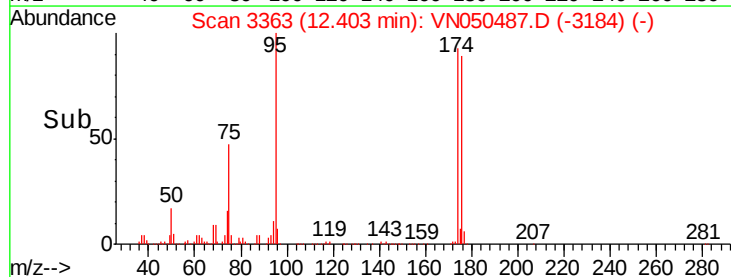
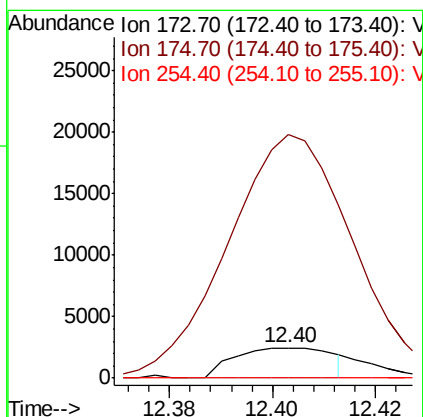
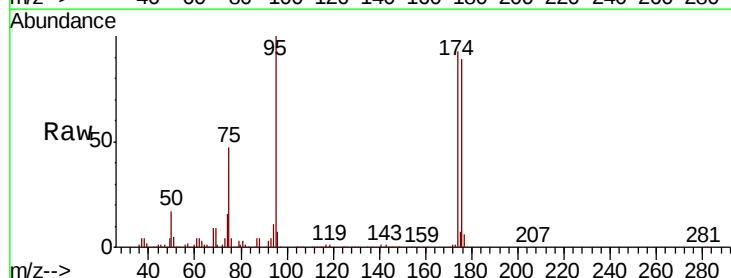
Instrument :
MSVOA_N
ClientSampleId :

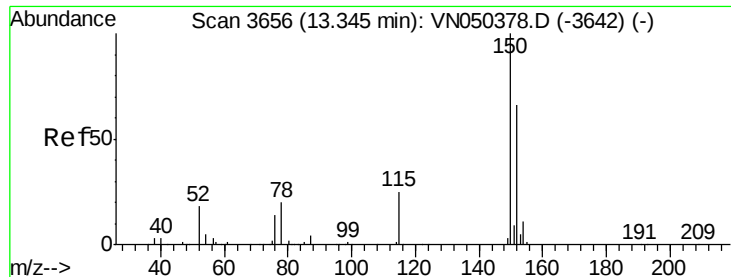
Tot Ion:117 Resp: 1073897
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.2 26.1 39.1



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Tgt Ion:173 Resp: 3254
Ion Ratio Lower Upper
173 100
175 853.3 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampled :

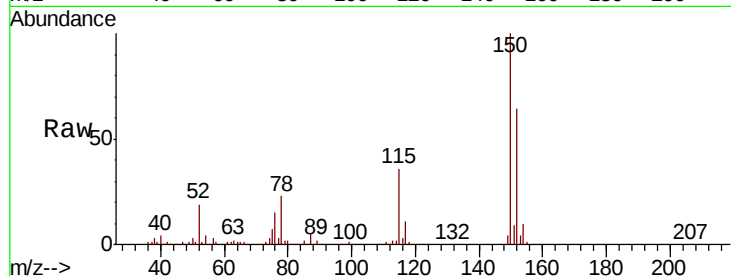
Tot Ion:152 Resp: 416783

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

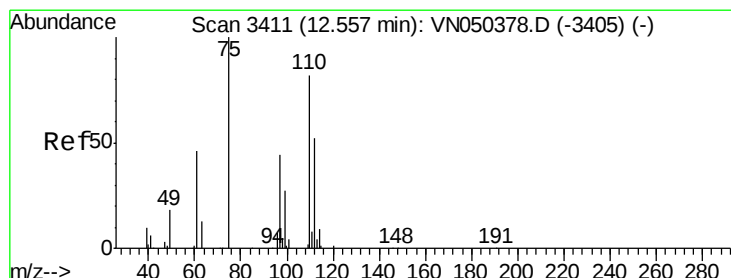
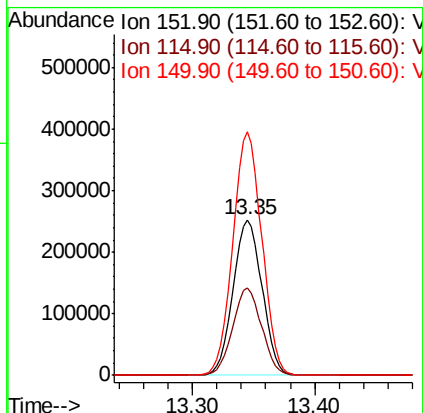
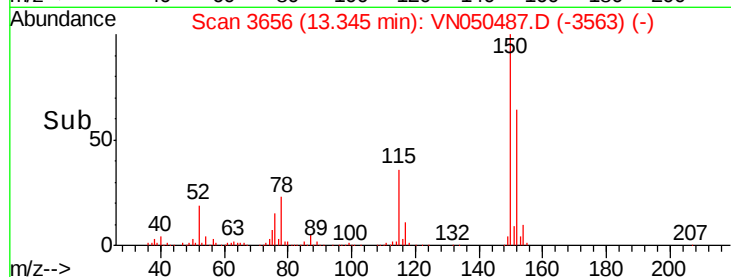
150 156.5 0.0 348.6



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: 31.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050487.D

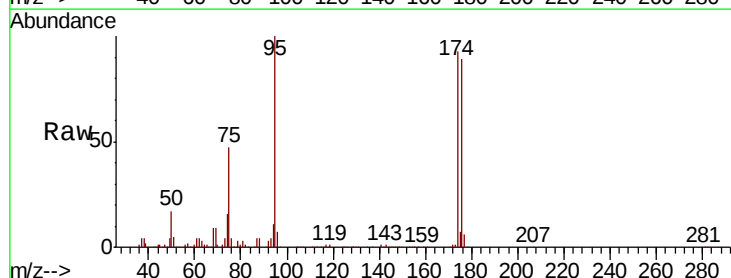
Acq: 9 Aug 2018 15:51

Tgt Ion: 75 Resp: 234663

Ion Ratio Lower Upper

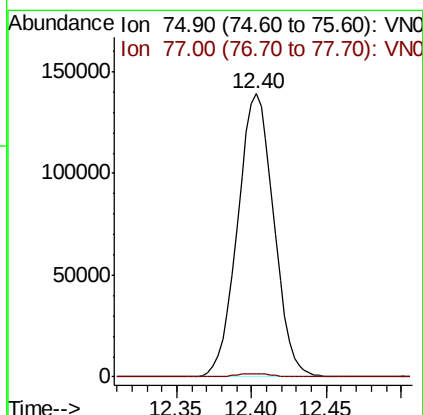
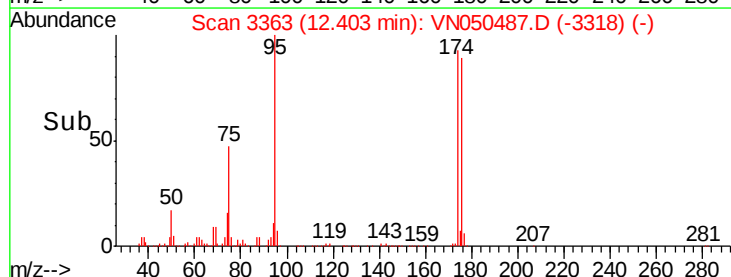
75 100

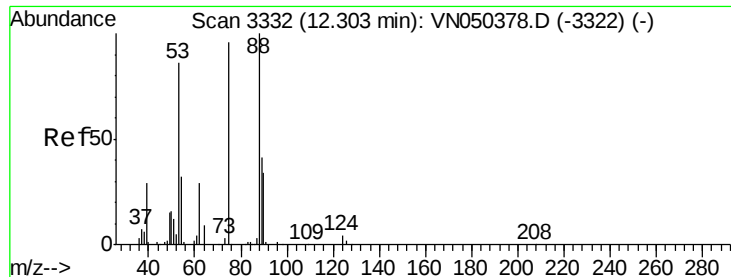
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

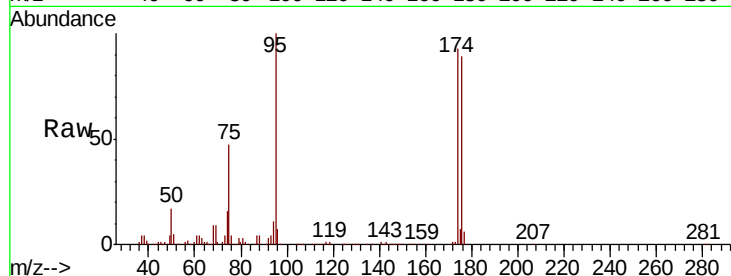
Tot Ion: 75 Resp: 234663

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

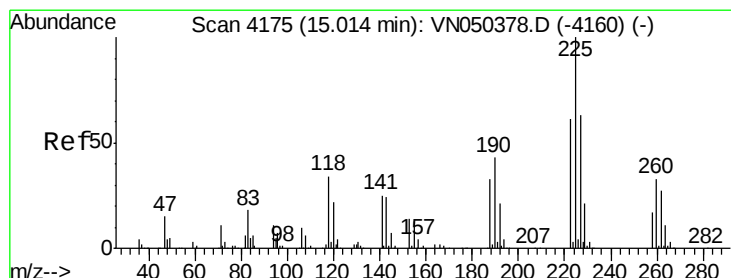
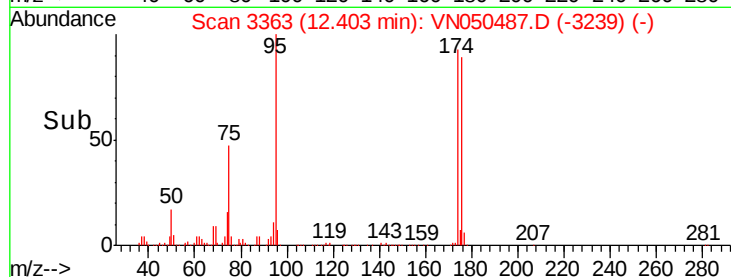
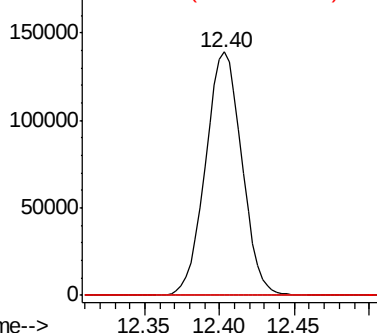
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN050487.D

Acq: 9 Aug 2018 15:51

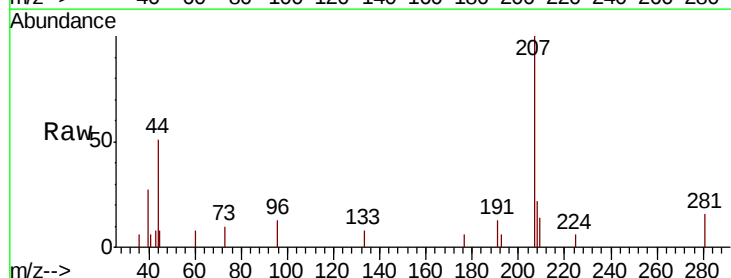
Tgt Ion: 225 Resp: 64

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

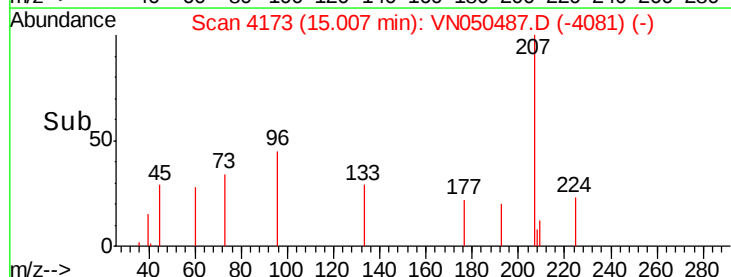
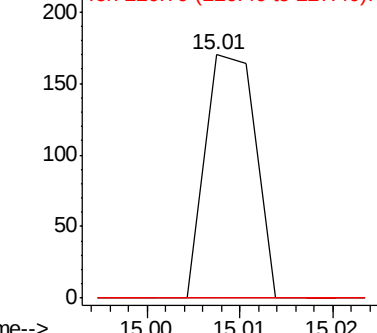
227 0.0 32.1 96.5#

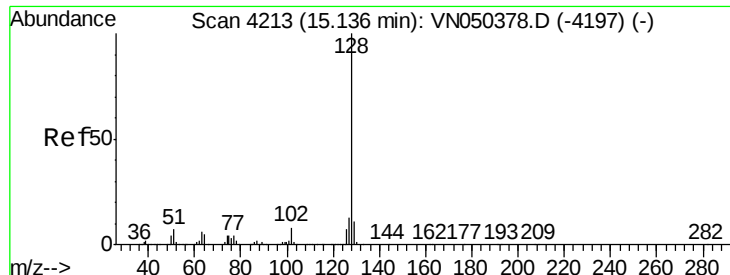


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 3.69 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050487.D
Acq: 9 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	4.5	10.4	15.6#
129	0.0	8.8	13.2#

