

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054892.D
 Acq On : 2 Apr 2019 11:00
 Operator : JC/SP
 Sample : VN0402WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 05:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	520942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	847901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248017	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	337038	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	267457	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	10.09	98	1023021	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	307524	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	

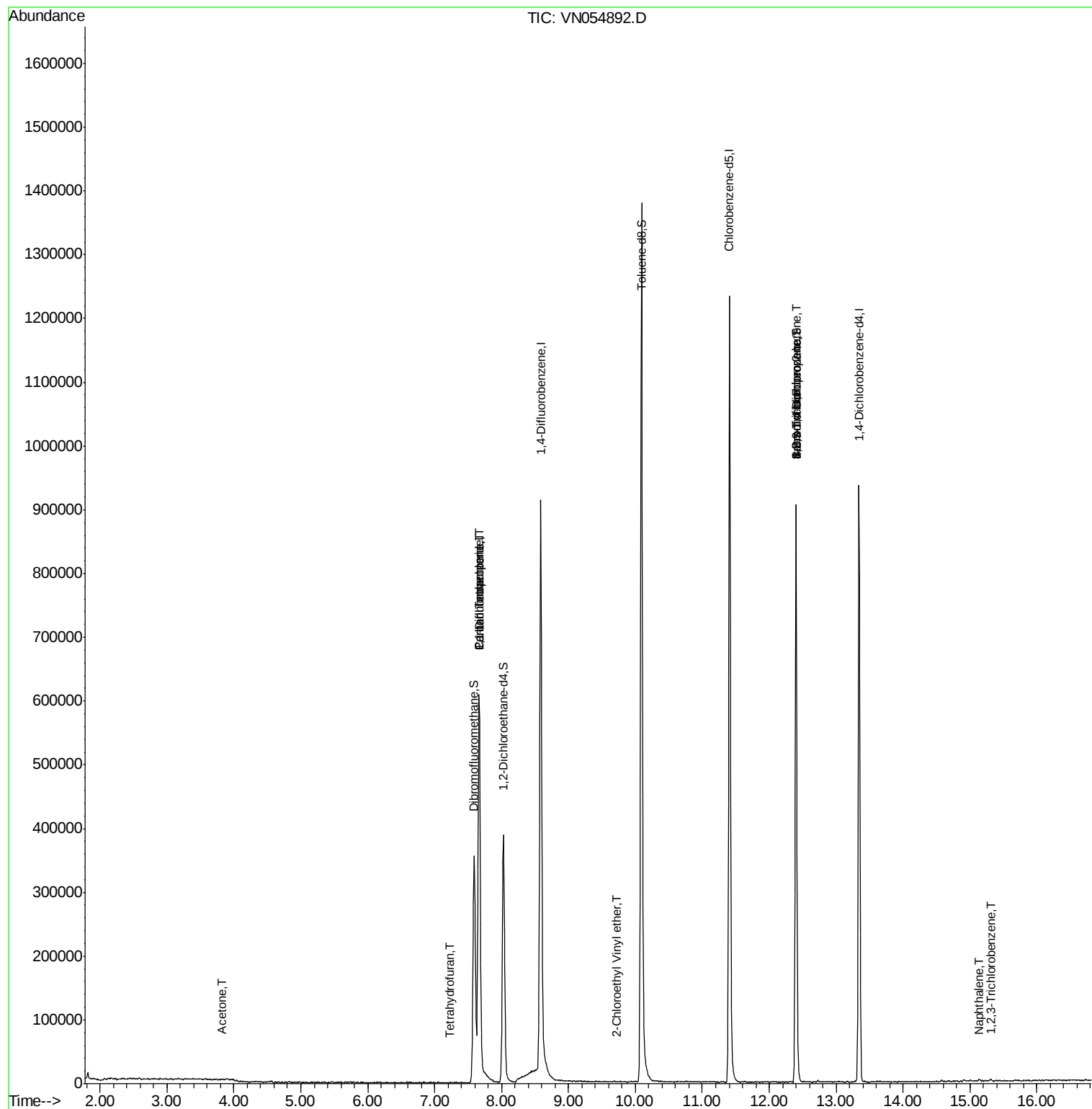
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	425	Below Cal		96
16) Acetone	3.82	43	339	0.202 ug/l #		38
18) Methyl Acetate	4.32	43	1396	Below Cal #		65
29) Tetrahydrofuran	7.22	42	374	0.218 ug/l #		30
31) Cyclohexane	7.66	56	10735	Below Cal #		12
36) 1,1-Dichloropropene	7.66	75	39185	4.960 ug/l #		43
38) Carbon Tetrachloride	7.66	117	47752	6.223 ug/l #		16
58) 2-Chloroethyl Vinyl ether	9.71	63	33	10.366 ug/l #		44
71) Bromoform	12.40	173	1151	0.368 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.39	83	254	Below Cal #		5
76) 1,2,3-Trichloropropane	12.40	75	162650	37.750 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	162650	146.837 ug/l #		11
83) tert-Butylbenzene	12.99	119	417	Below Cal #		68
94) Hexachlorobutadiene	15.00	225	377	Below Cal #		41
95) Naphthalene	15.14	128	2848	0.319 ug/l #		84
96) 1,2,3-Trichlorobenzene	15.31	180	931	0.231 ug/l		80

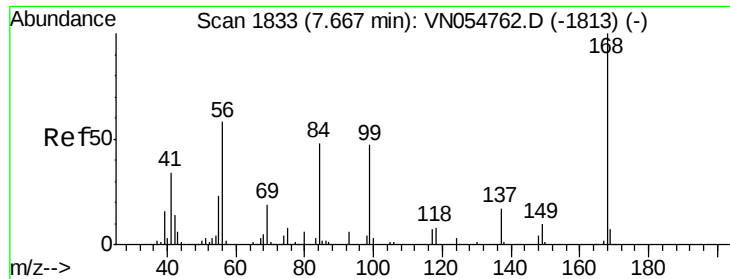
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054892.D

Acq: 2 Apr 2019 11:00

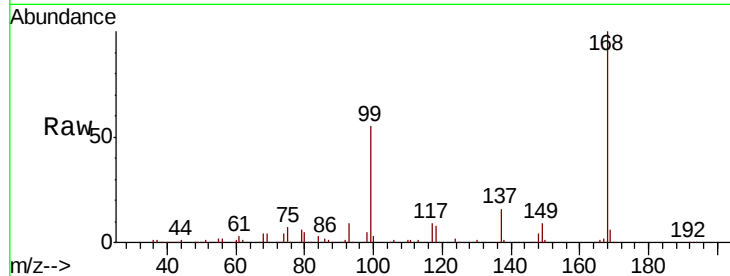
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 520942

Ion Ratio Lower Upper

168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

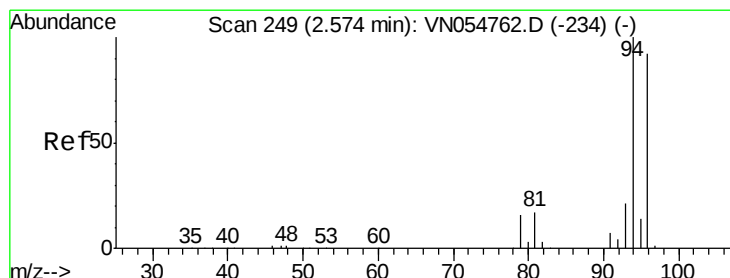
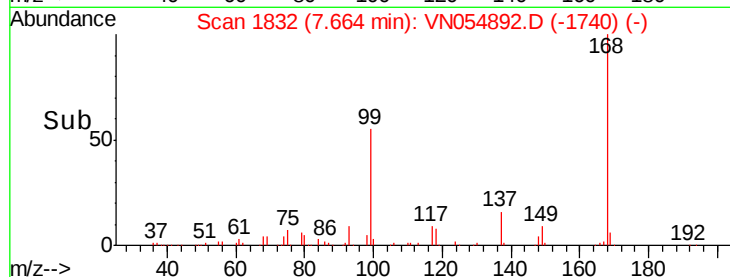
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054892.D

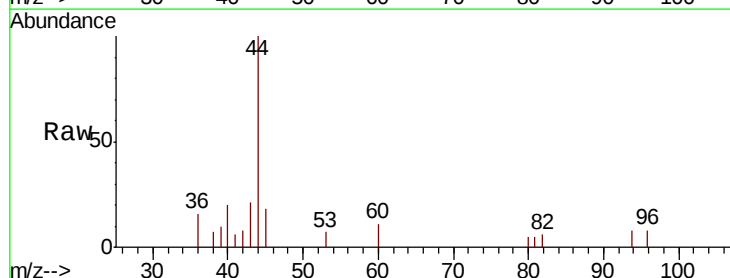
Acq: 2 Apr 2019 11:00

Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

94 100

96 100.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

300

250

200

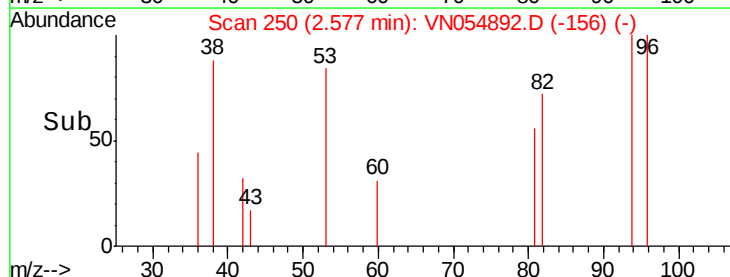
150

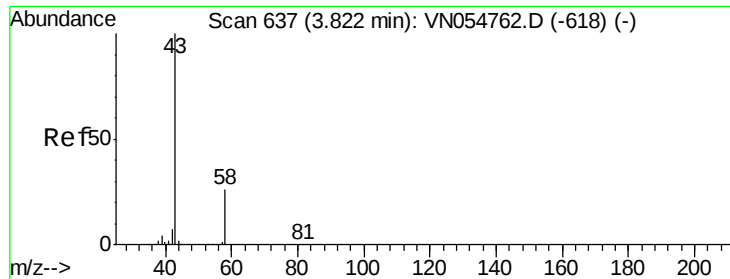
100

50

0

Time-->





#16

Acetone

Concen: 0.202 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054892.D

Acq: 2 Apr 2019 11:00

Instrument :

MSVOA_N

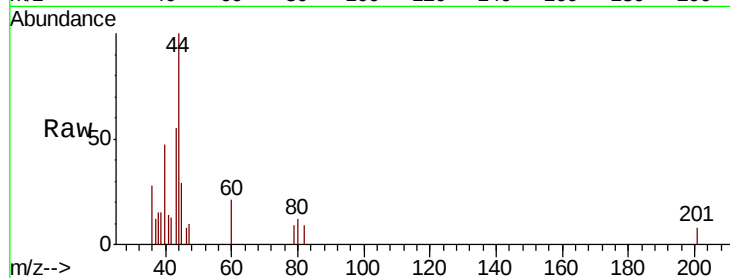
ClientSampled :

Tot Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200

1000

800

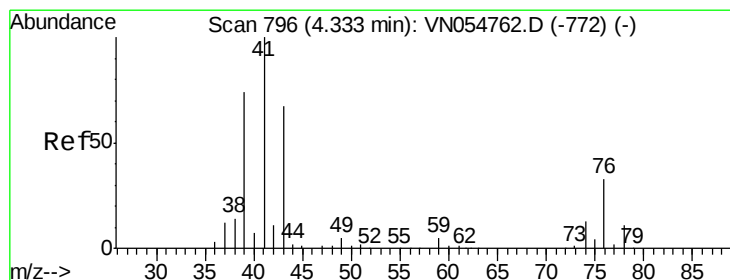
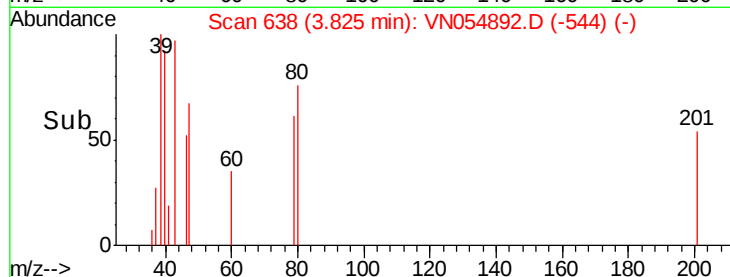
600

400

200

0

Time--> 3.80 3.82 3.84



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN054892.D

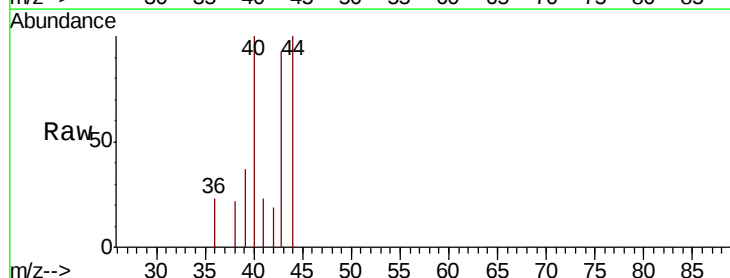
Acq: 2 Apr 2019 11:00

Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

74 8.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

800

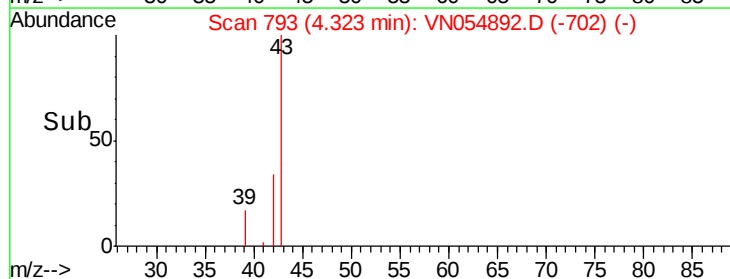
600

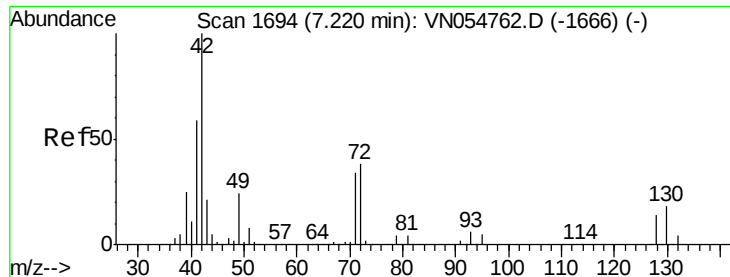
400

200

0

Time--> 4.26 4.28 4.30 4.32 4.34

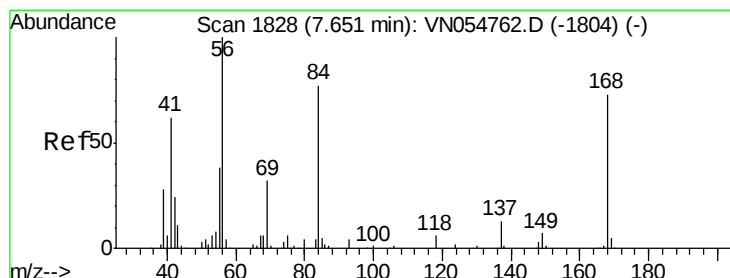
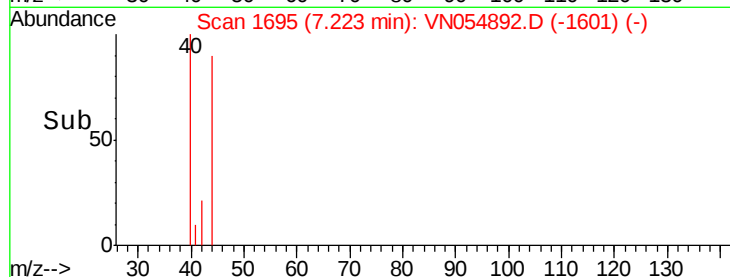
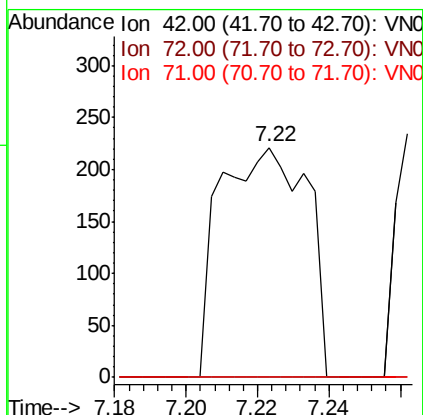
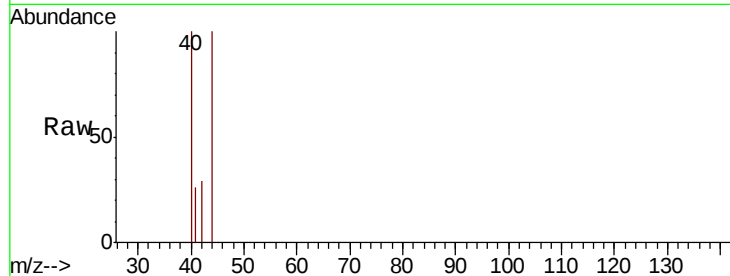




#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

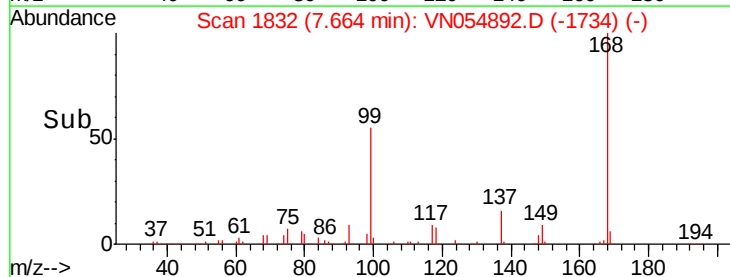
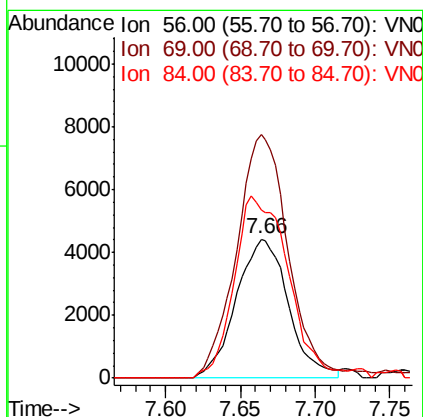
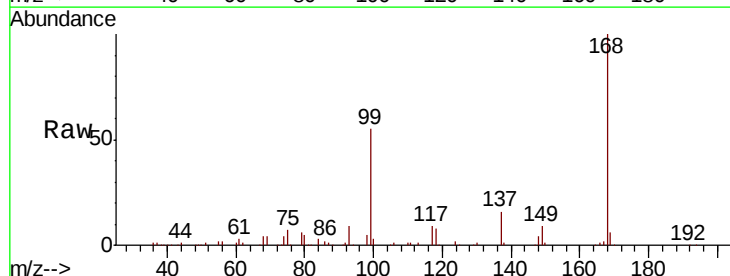
Instrument :
MSVOA_N
ClientSampleId :

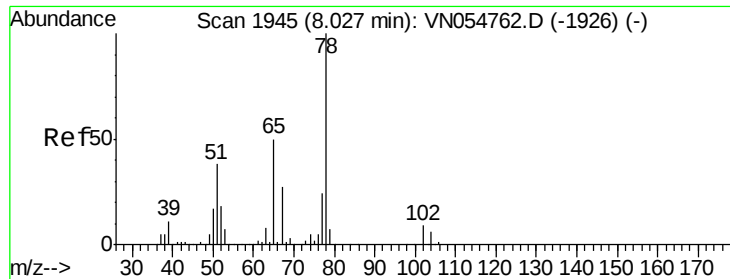
Tot Ion: 42 Resp: 374
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Tgt Ion: 56 Resp: 10735
Ion Ratio Lower Upper
56 100
69 175.6 27.8 41.6#
84 121.6 74.6 111.8#

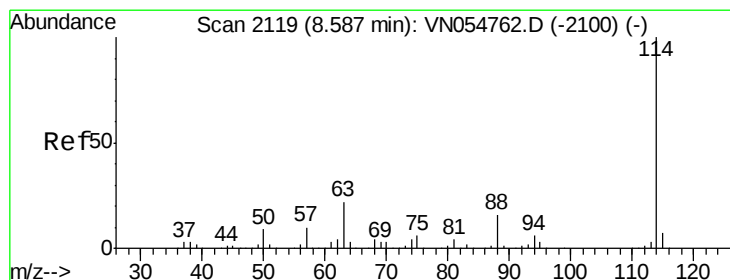
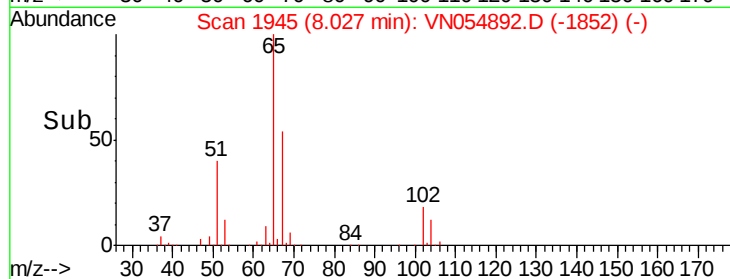
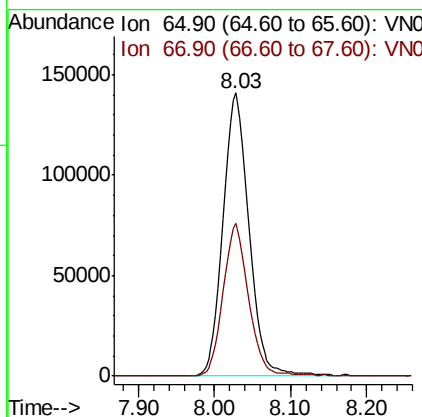
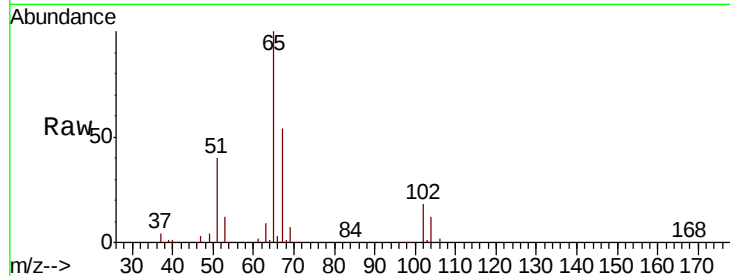




#33
 1,2-Dichloroethane-d4
 Concen: 47.995 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

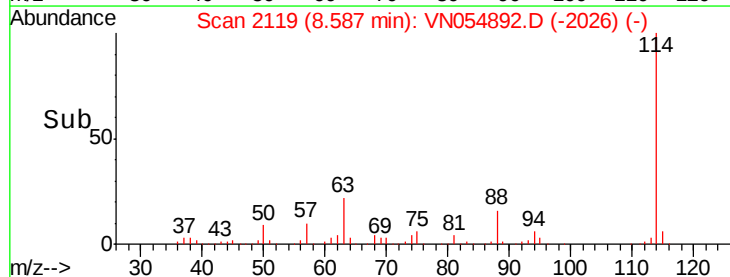
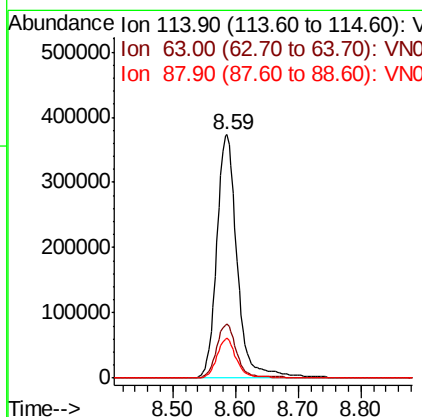
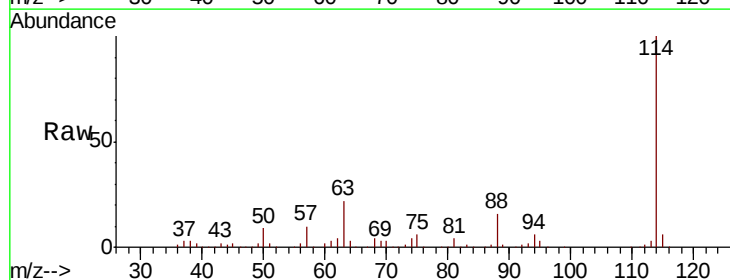
Instrument :
 MSVOA_N
 ClientSampleId :

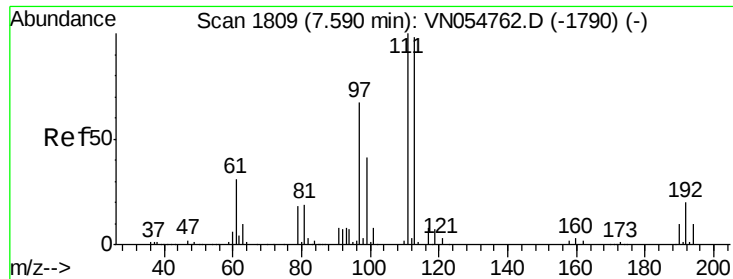
Tot Ion: 65 Resp: 337038
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

Tgt Ion: 114 Resp: 847901
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.4 0.0 30.2

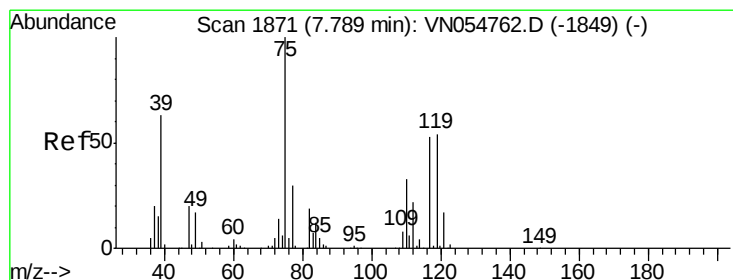
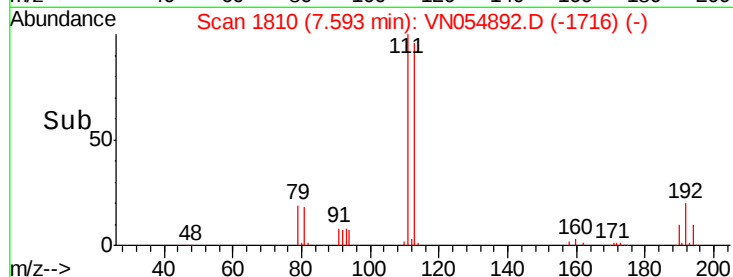
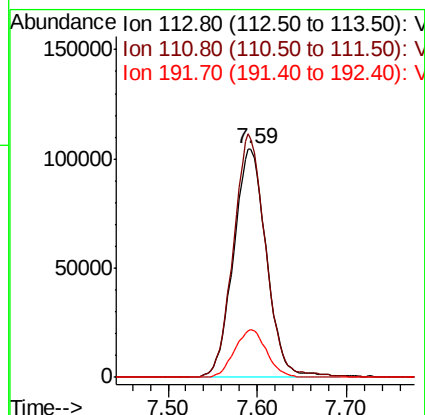
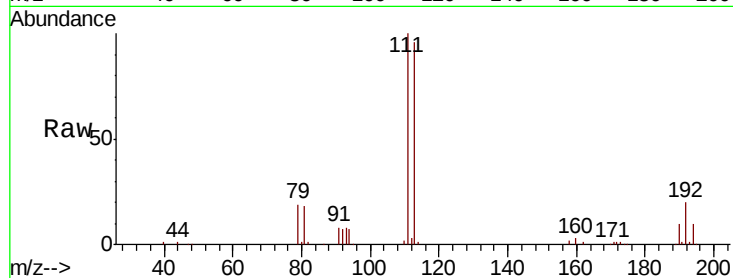




#35
 Dibromofluoromethane
 Concen: 47.313 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

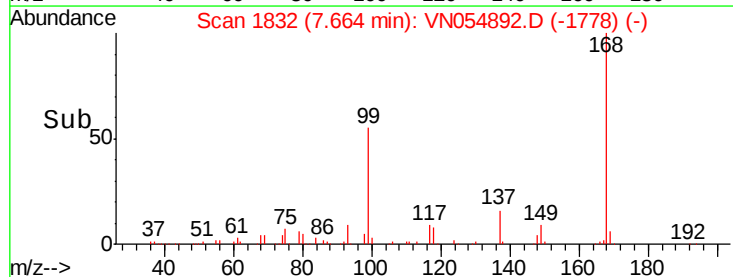
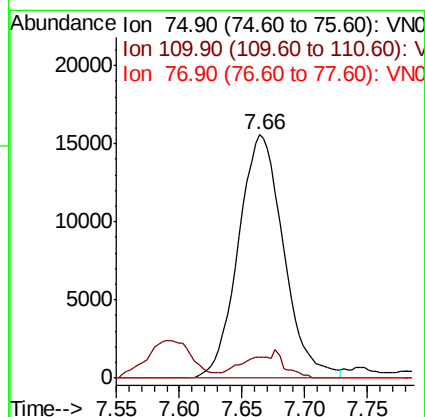
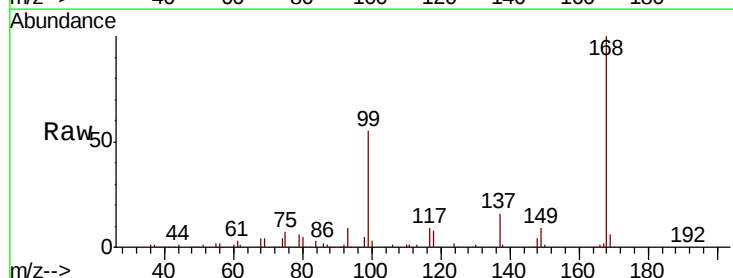
Instrument :
 MSVOA_N
 ClientSampled :

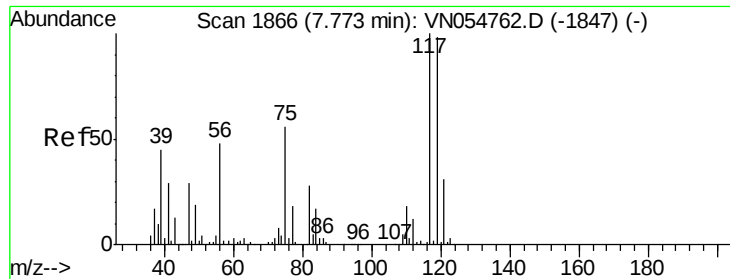
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.1	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.223 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054892.D

Acq: 2 Apr 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

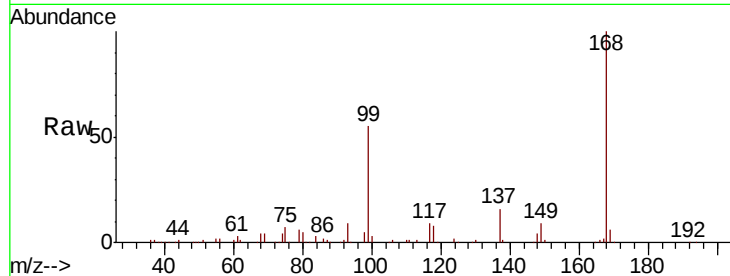
Tot Ion:117 Resp: 47752

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

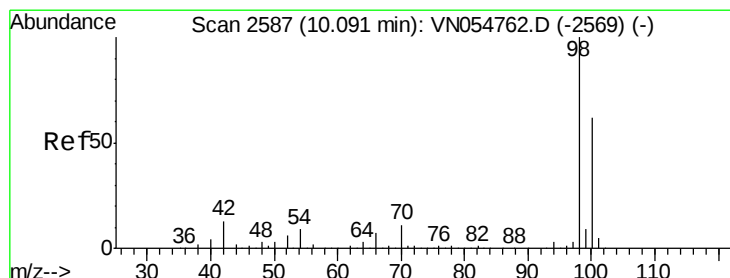
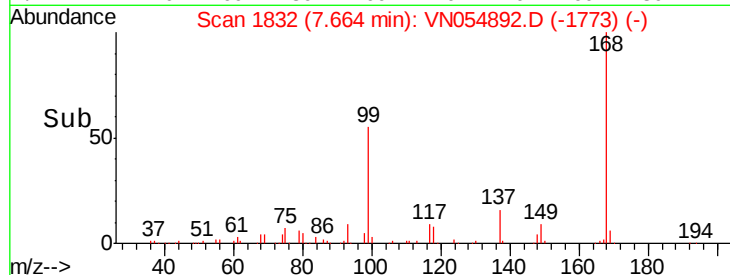
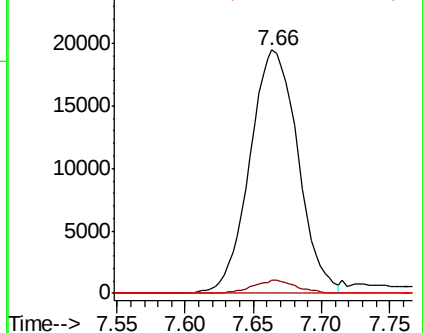
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 48.678 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054892.D

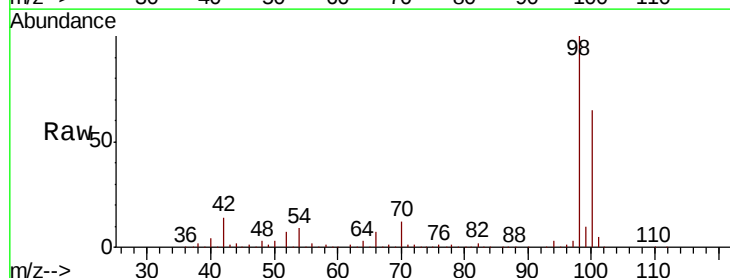
Acq: 2 Apr 2019 11:00

Tgt Ion: 98 Resp: 1023021

Ion Ratio Lower Upper

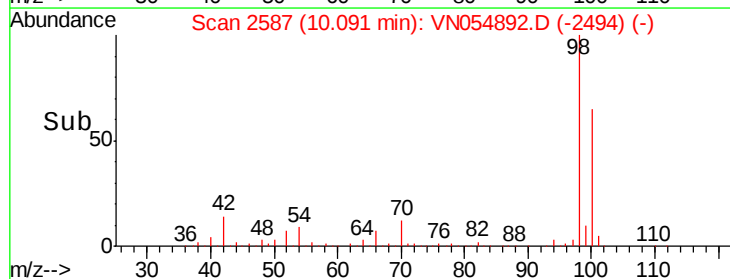
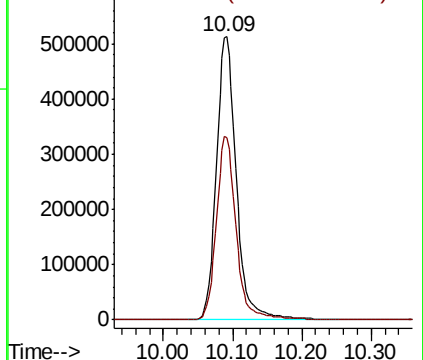
98 100

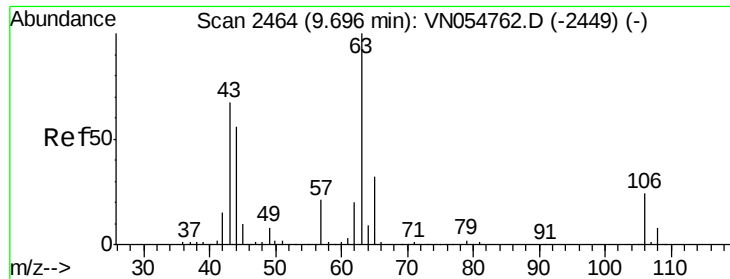
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

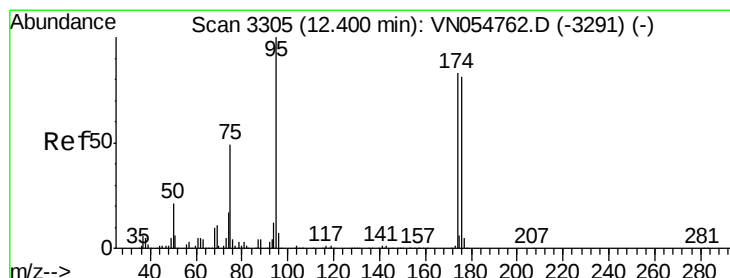
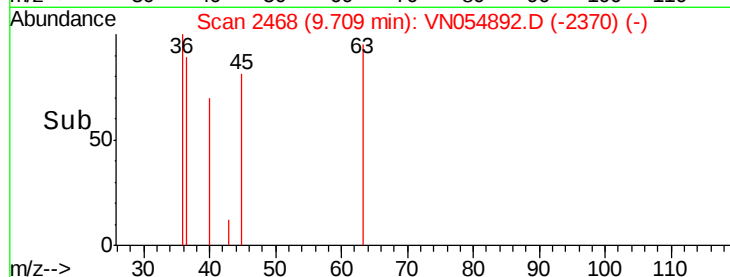
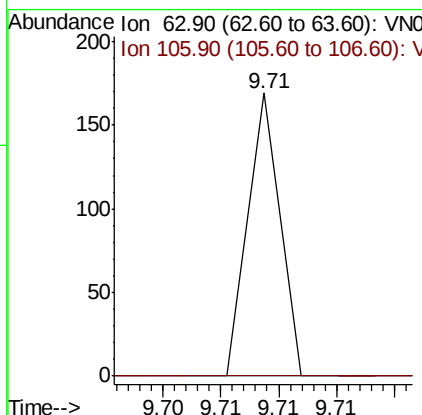
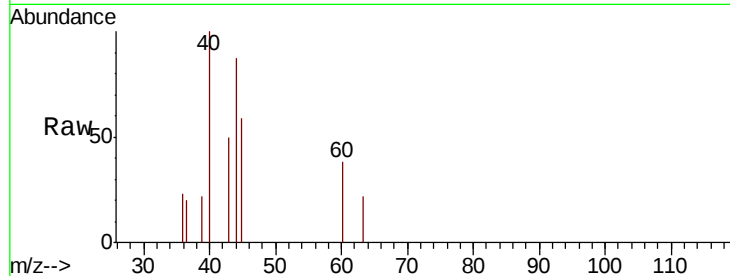




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.366 ug/l
 RT: 9.71 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

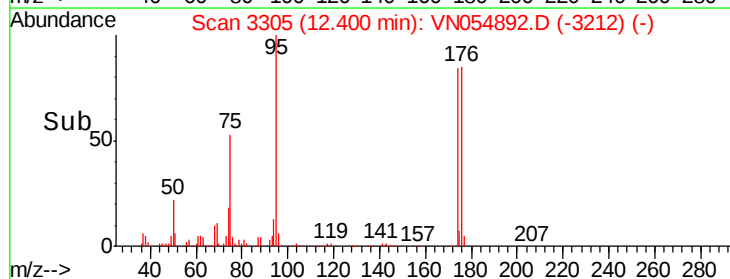
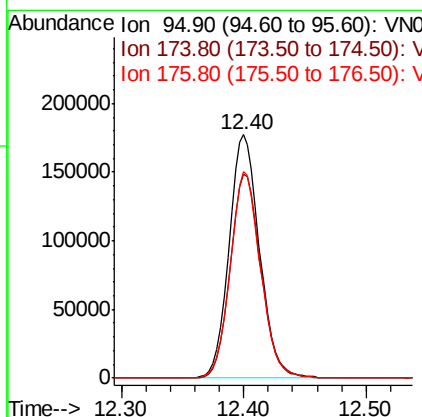
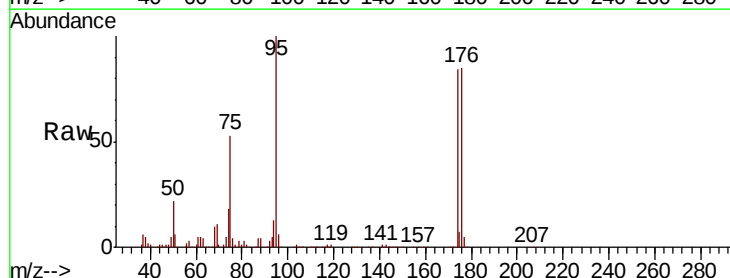
Instrument :
 MSVOA_N
 ClientSampleId :

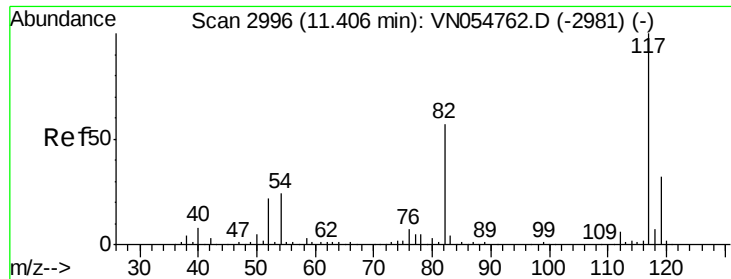
Tot Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 43.998 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

Tgt Ion: 95 Resp: 307524
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 84.2 0.0 187.4

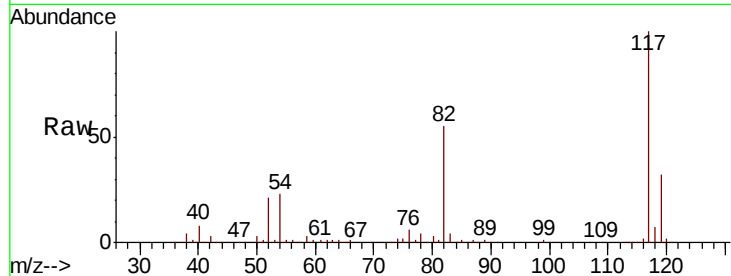




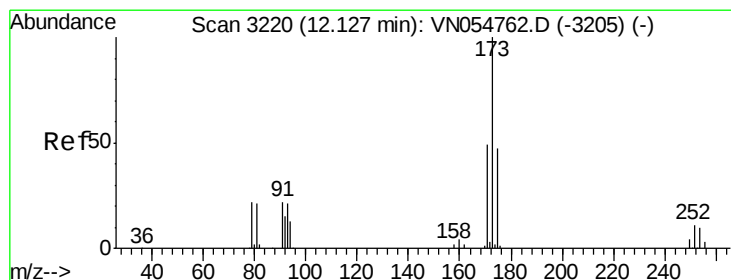
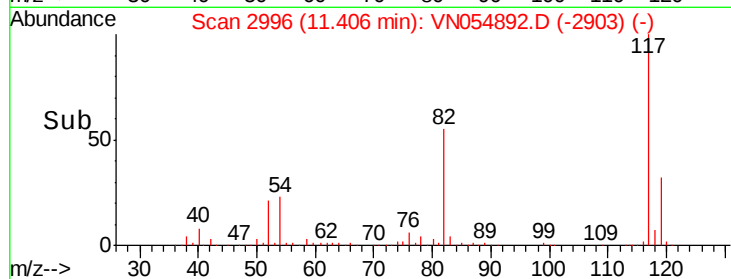
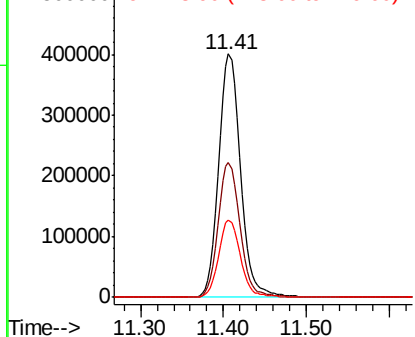
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 729388
Ion Ratio Lower Upper
117 100
82 55.4 40.0 60.0
119 31.9 25.8 38.6

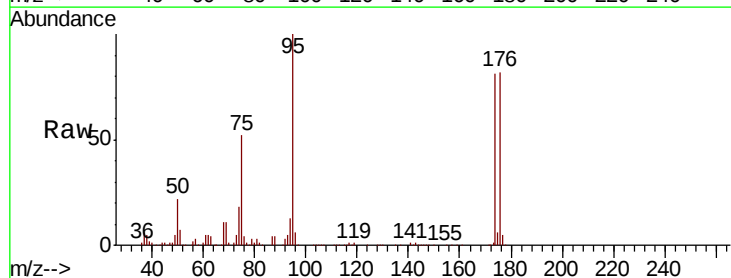


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

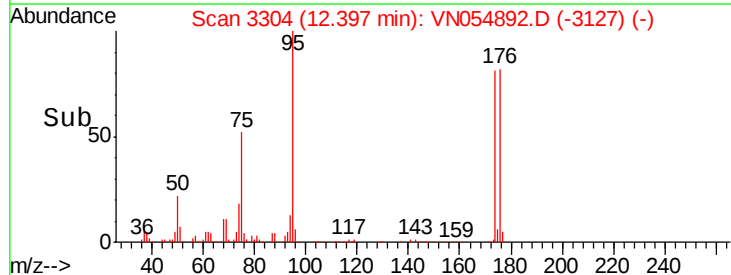
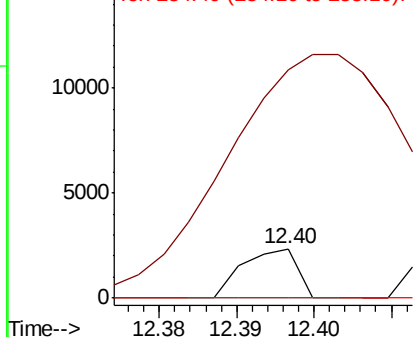


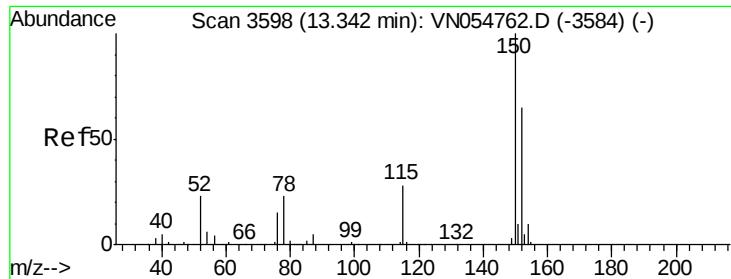
#71
Bromoform
Concen: 0.368 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Tgt Ion:173 Resp: 1151
Ion Ratio Lower Upper
173 100
175 1530.7 24.4 73.2#
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



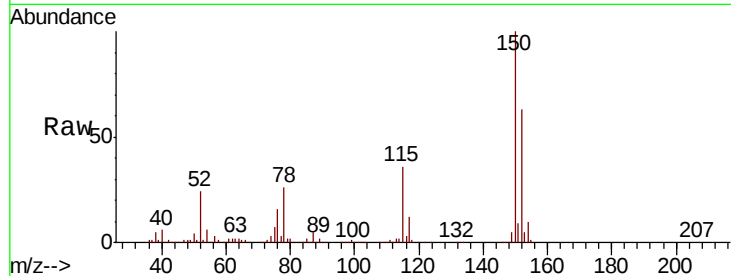


#72

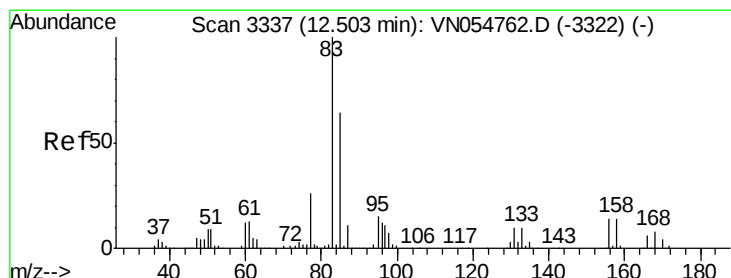
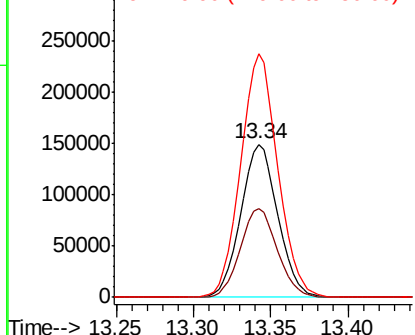
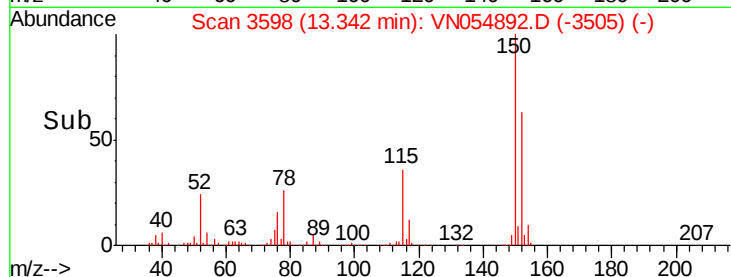
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	159.3	0.0	349.2



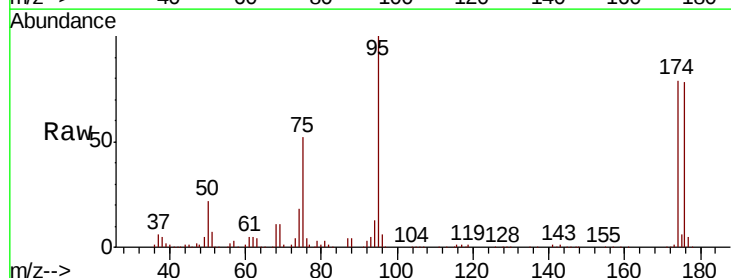
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



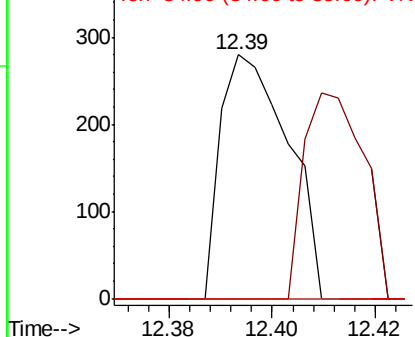
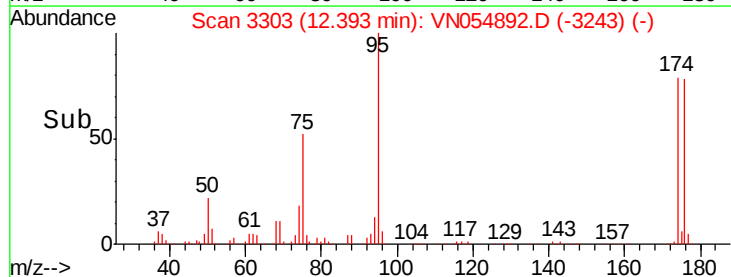
#75

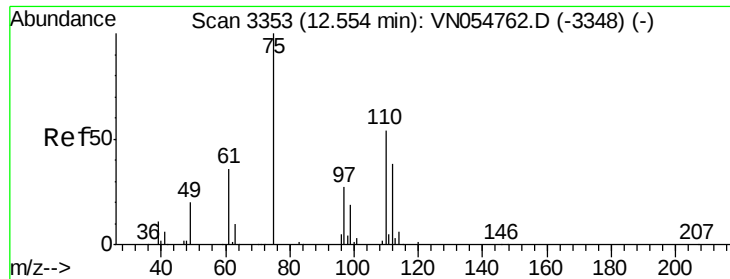
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.39 min Scan# 3303
Delta R.T. -0.11 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
131	74.8	5.8	17.4#
85	0.0	32.2	96.6#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VNO

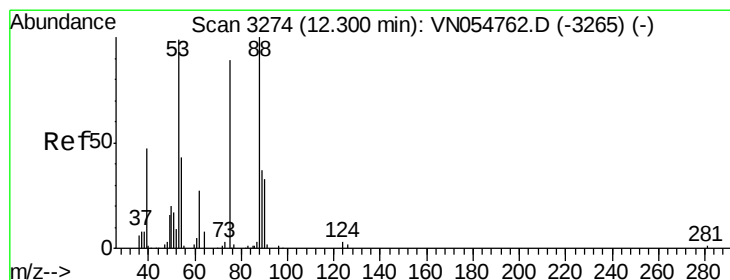
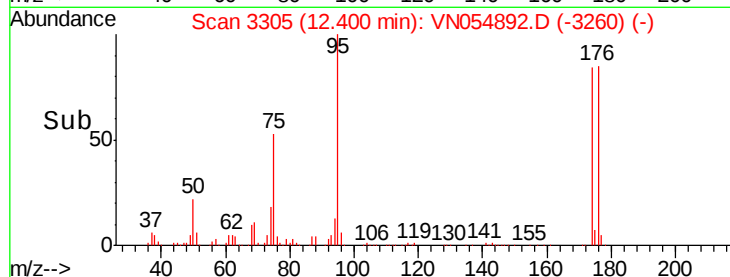
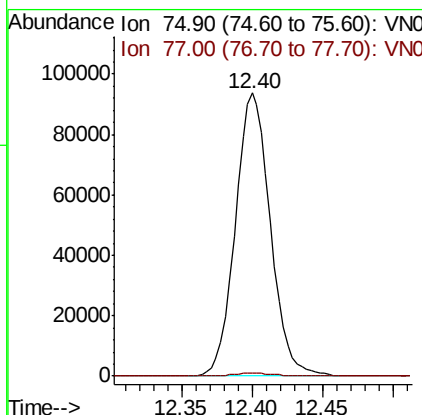
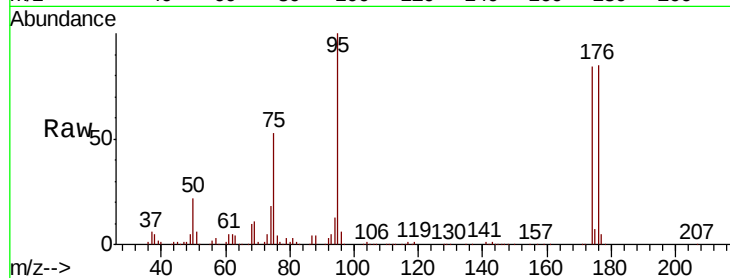




#76
 1,2,3-Trichloropropane
 Concen: 37.750 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

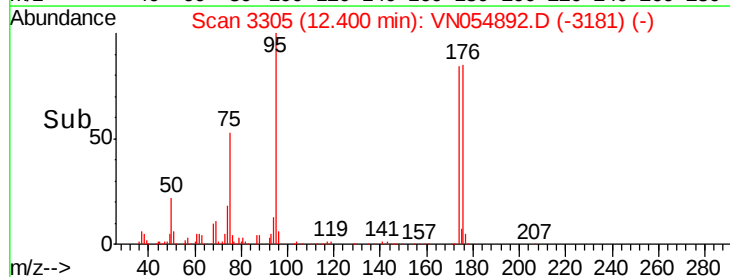
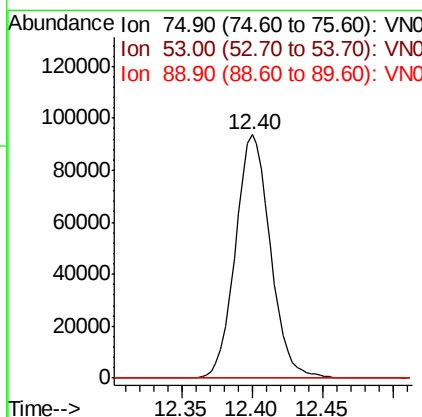
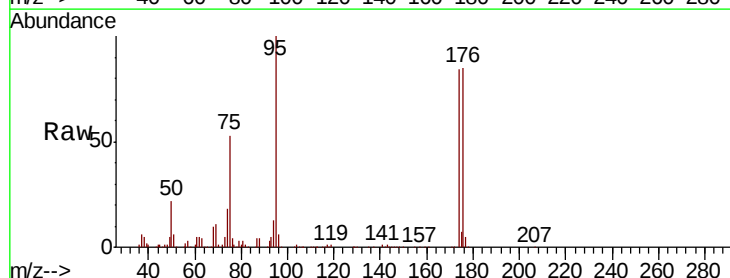
Instrument :
 MSVOA_N
 ClientSampled :

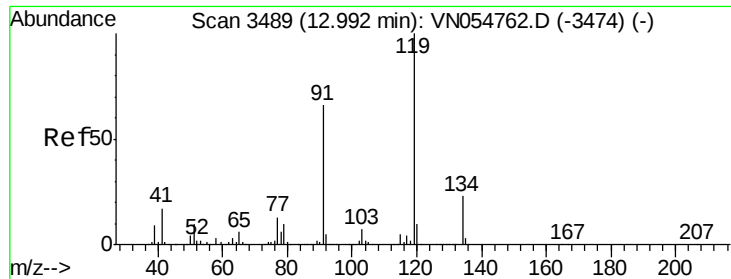
Tot Ion: 75 Resp: 162650
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.837 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054892.D
 Acq: 2 Apr 2019 11:00

Tgt Ion: 75 Resp: 162650
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

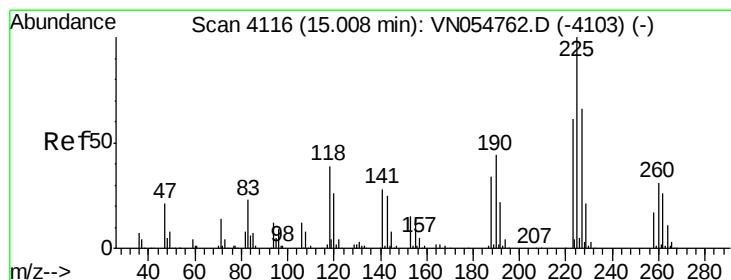
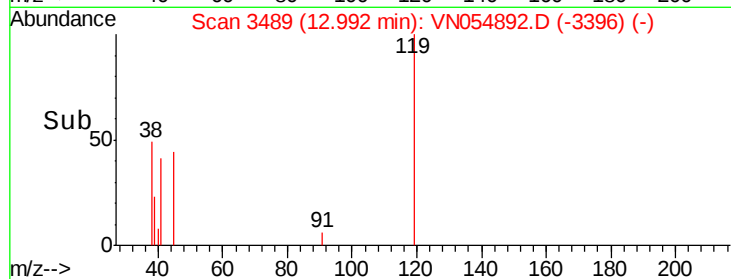
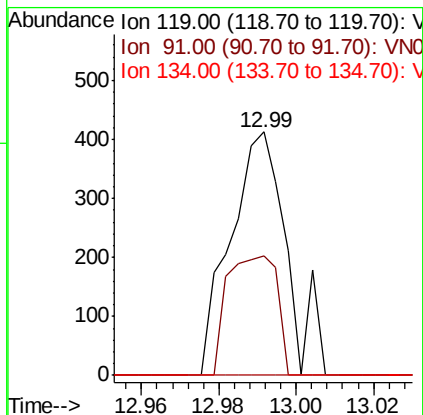
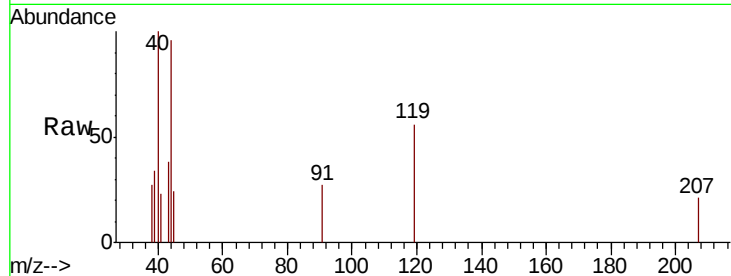




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

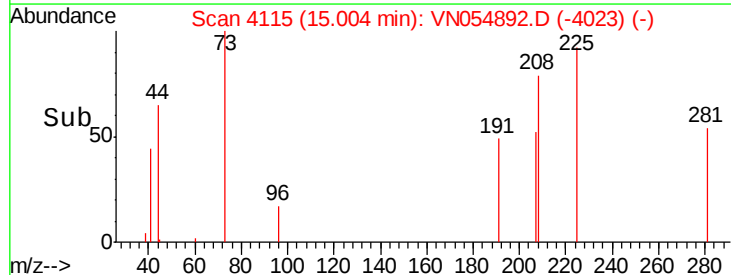
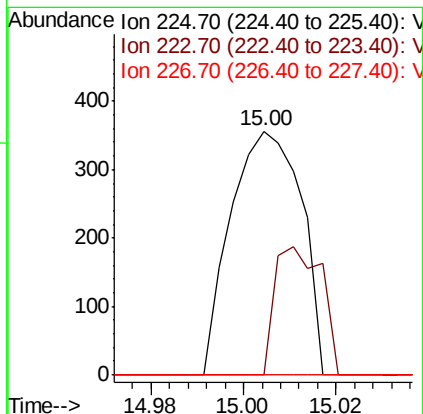
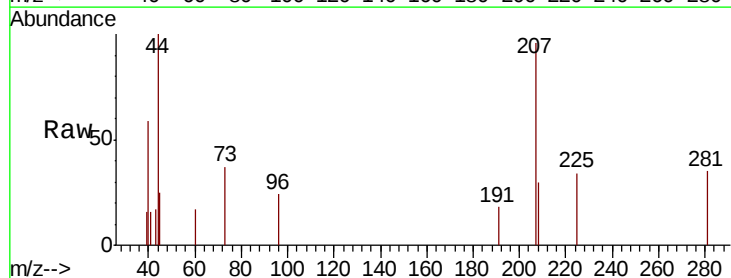
Instrument :
MSVOA_N
ClientSampled :

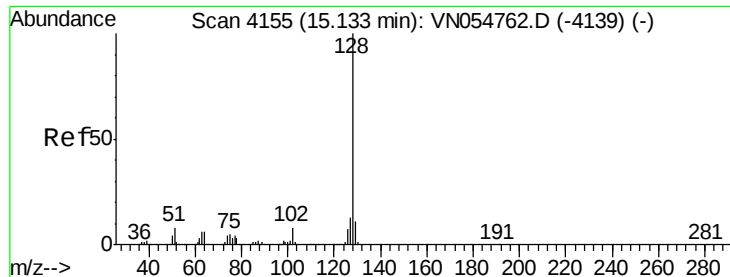
Tot Ion:119 Resp: 417
Ion Ratio Lower Upper
119 100
91 43.4 30.9 92.8
134 0.0 13.2 39.6#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN054892.D
Acq: 2 Apr 2019 11:00

Tgt Ion:225 Resp: 377
Ion Ratio Lower Upper
225 100
223 34.7 31.1 93.5
227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 0.319 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054892.D

Acq: 2 Apr 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

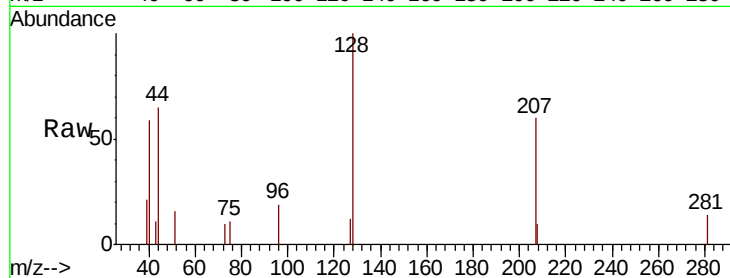
Tot Ion:128 Resp: 2848

Ion Ratio Lower Upper

128 100

127 8.5 10.1 15.1#

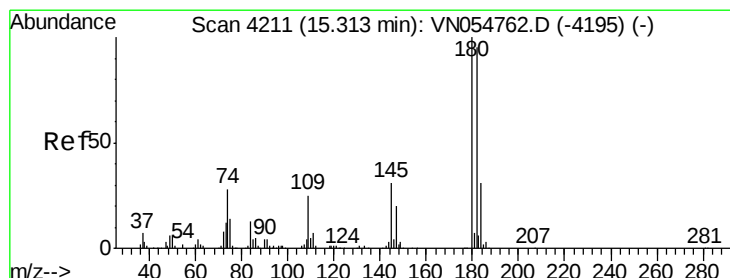
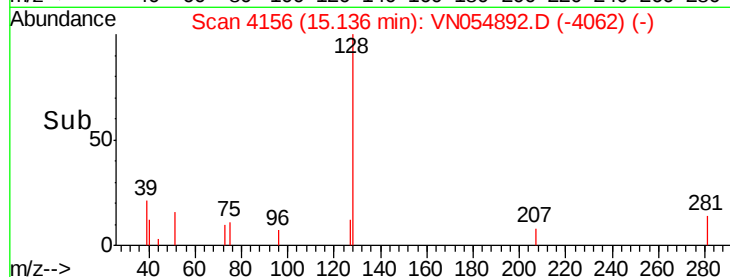
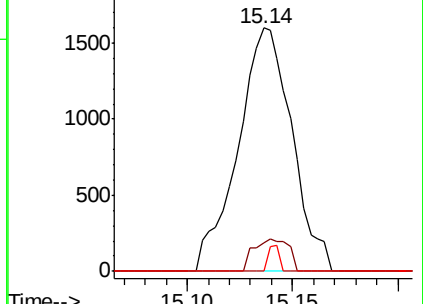
129 2.3 8.7 13.1#



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: 0.231 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054892.D

Acq: 2 Apr 2019 11:00

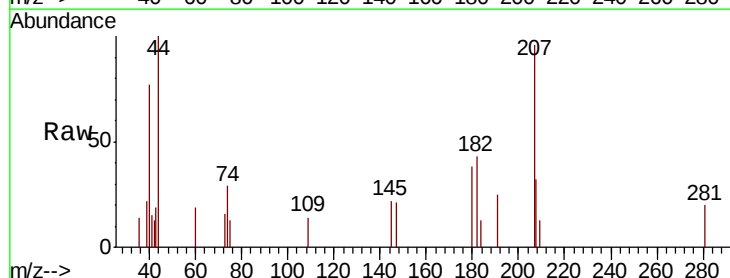
Tgt Ion:180 Resp: 931

Ion Ratio Lower Upper

180 100

182 117.6 47.5 142.6

145 24.4 14.8 44.3



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

