

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054395.D
 Acq On : 18 Mar 2019 15:49
 Operator : JC/SP
 Sample : K1972-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1883694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2681275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2261244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	845374	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	895002	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
35) Dibromofluoromethane	7.59	113	807261	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	10.09	98	3115490	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.40	95	940113	42.07	ug/l	0.00
Spiked Amount			Recovery	=	84.14%	

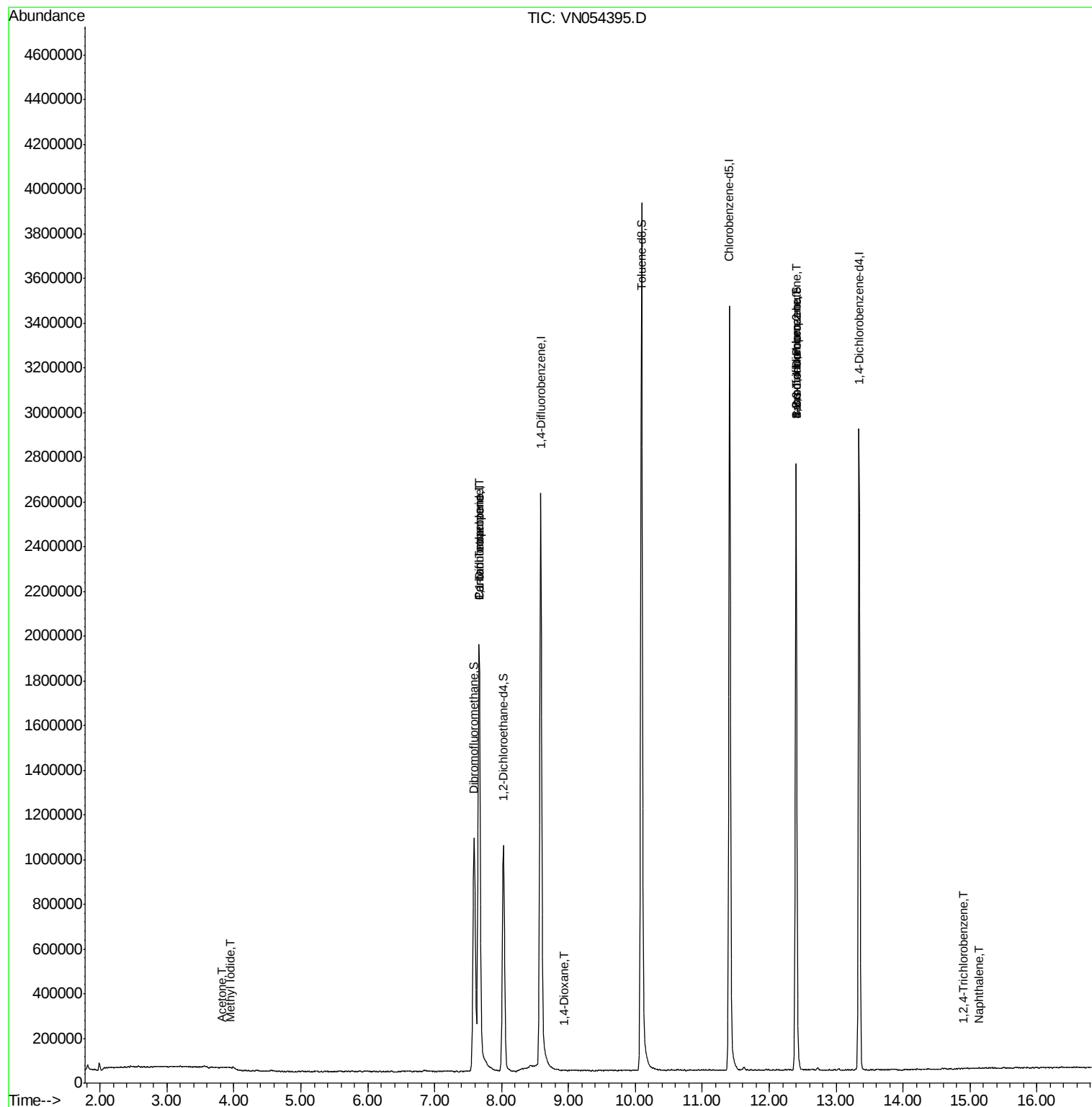
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	506	1.514	ug/l #	50
16) Acetone	3.82	43	3891	0.679	ug/l	90
31) Cyclohexane	7.66	56	27321	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	107090	4.337	ug/l #	48
38) Carbon Tetrachloride	7.66	117	148875	5.749	ug/l #	16
49) 1,4-Dioxane	8.95	88	123	0.688	ug/l #	1
71) Bromoform	12.41	173	5887	2.759	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	445820	35.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	445820	122.592	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	682	2.553	ug/l #	72
95) Naphthalene	15.13	128	4357	3.579	ug/l #	91

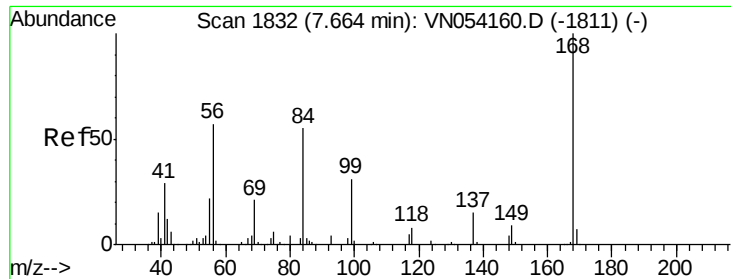
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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MSVOA_N
ClientSampleId :

Quant Time: Mar 19 05:12:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054395.D

Acq: 18 Mar 2019 15:49

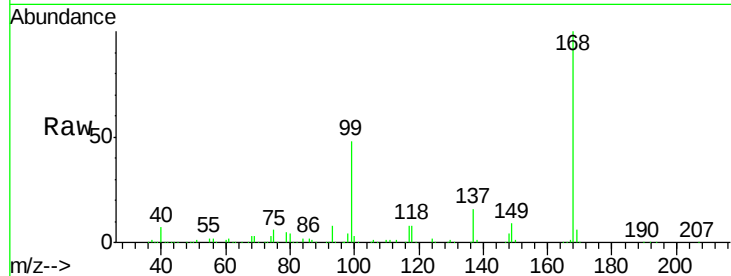
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1883694

Ion Ratio Lower Upper

168 100

99 48.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

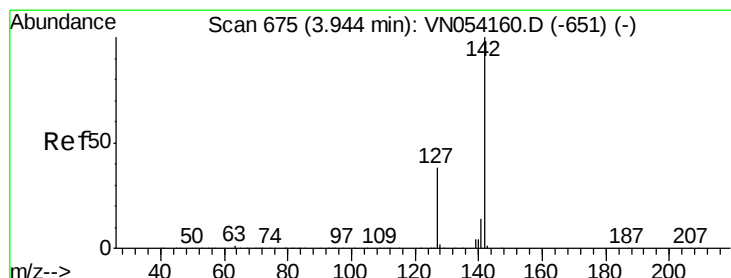
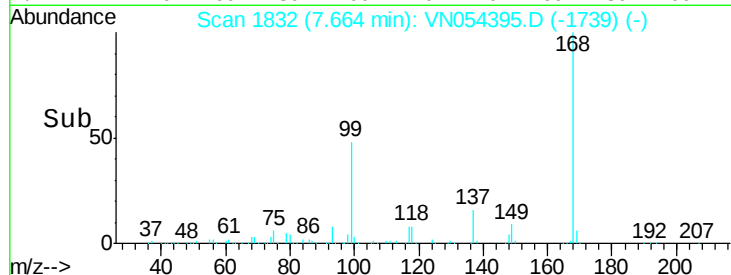
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.514 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

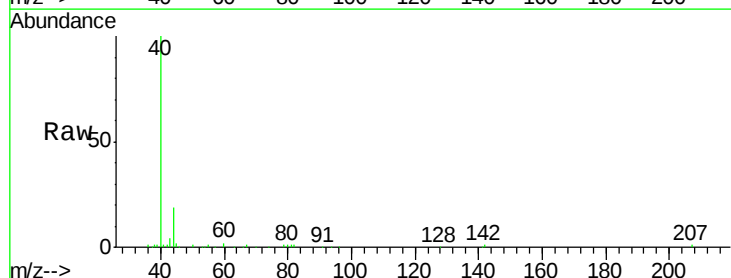
Tgt Ion:142 Resp: 506

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 19.8 11.2 16.8#



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

3.94

400

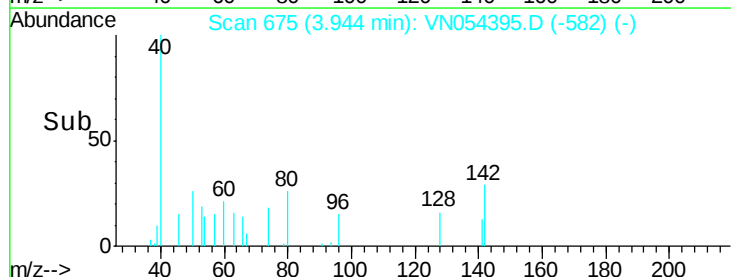
300

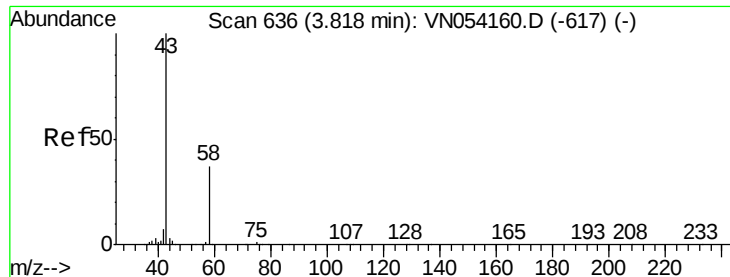
200

100

0

Time-->





#16

Acetone

Concen: 0.679 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

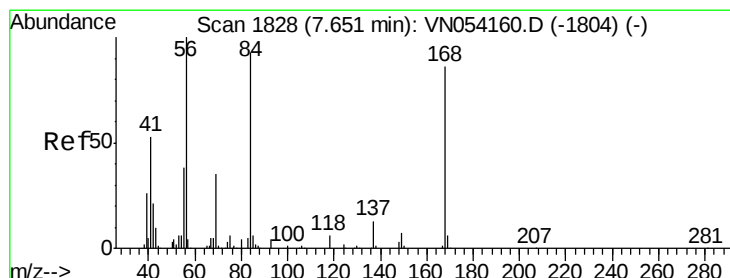
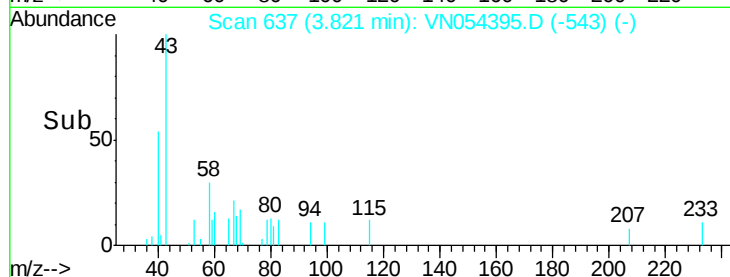
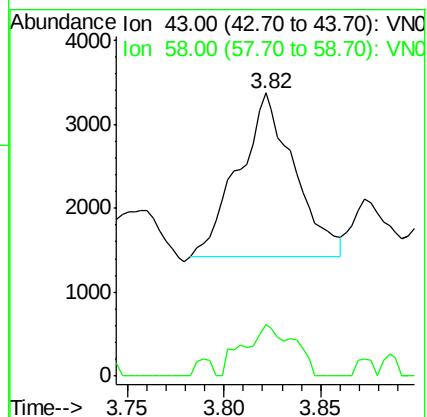
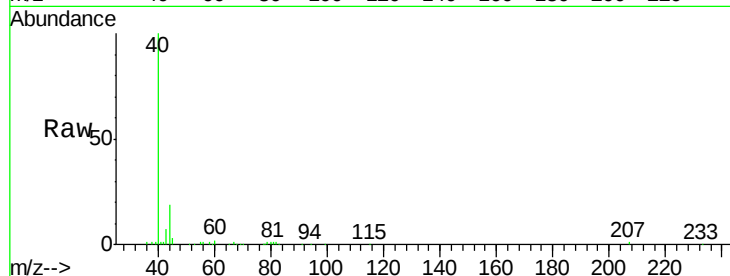
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3891

Ion Ratio Lower Upper

43 100

58 31.5 29.9 44.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

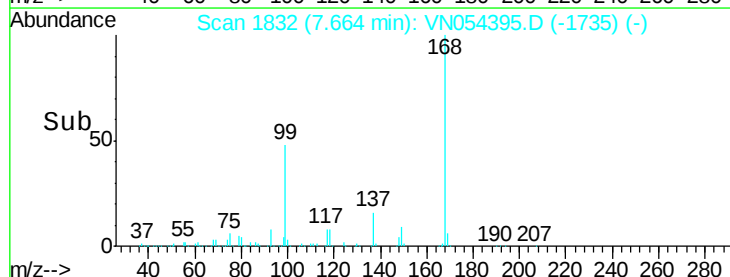
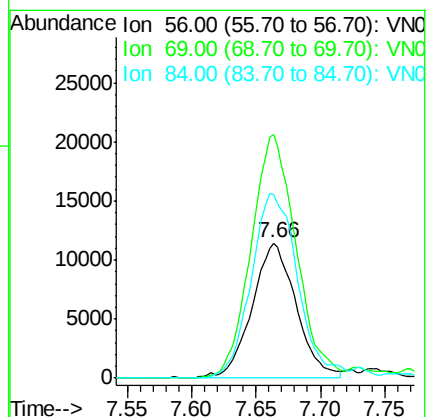
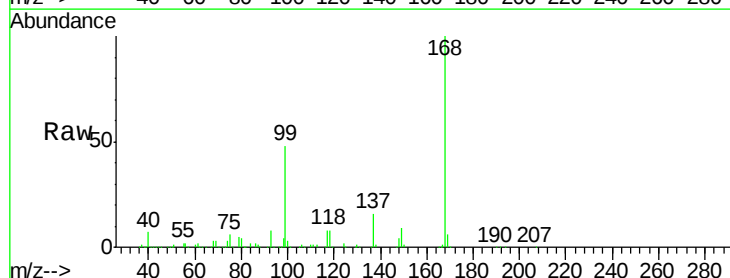
Tgt Ion: 56 Resp: 27321

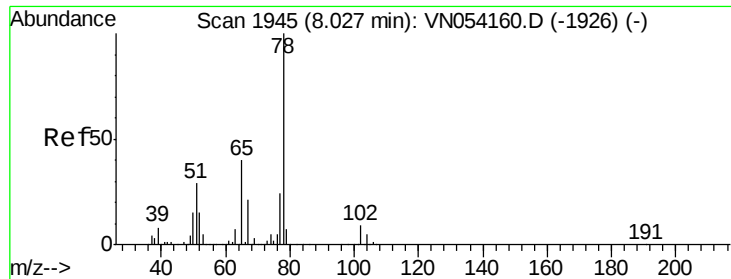
Ion Ratio Lower Upper

56 100

69 180.2 27.8 41.6#

84 135.5 74.6 111.8#

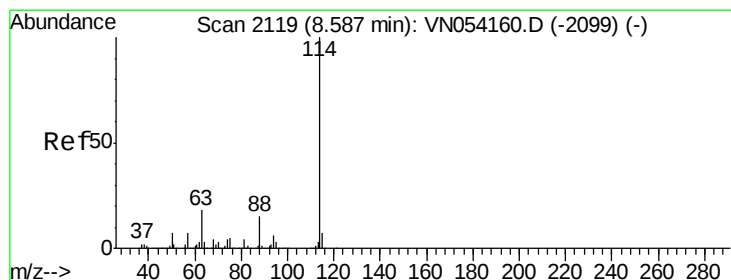
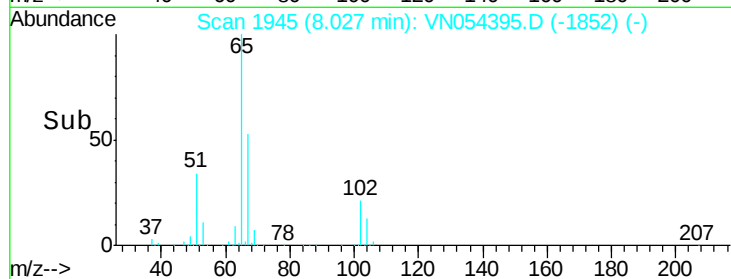
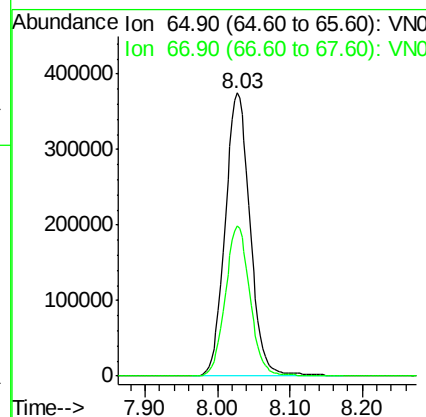
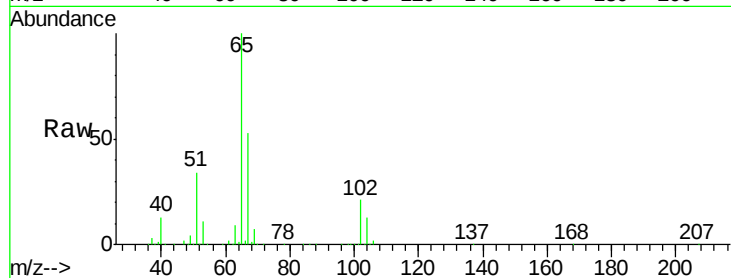




#33
 1,2-Dichloroethane-d4
 Concen: 44.739 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054395.D
 Acq: 18 Mar 2019 15:49

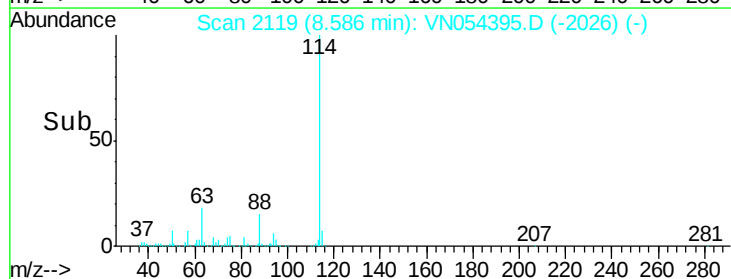
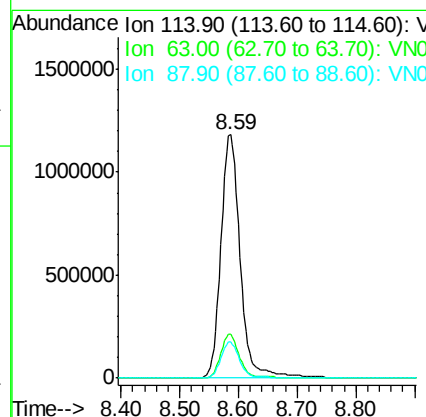
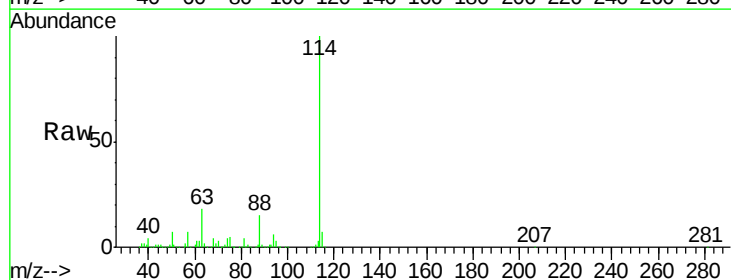
Instrument :
 MSVOA_N
 ClientSampleId :

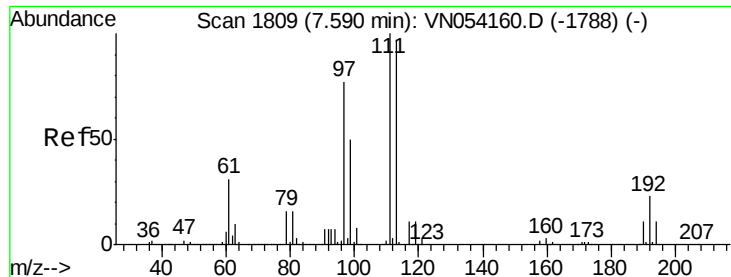
Tot Ion: 65 Resp: 895002
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054395.D
 Acq: 18 Mar 2019 15:49

Tgt Ion: 114 Resp: 2681275
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.9 0.0 30.2

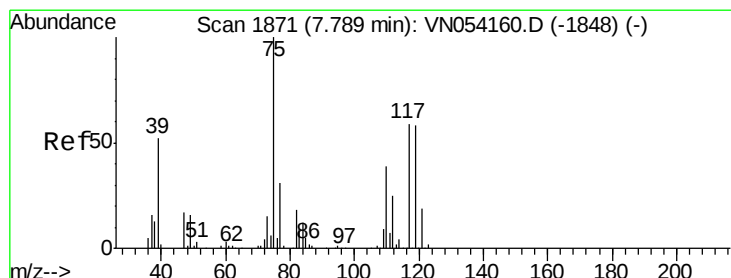
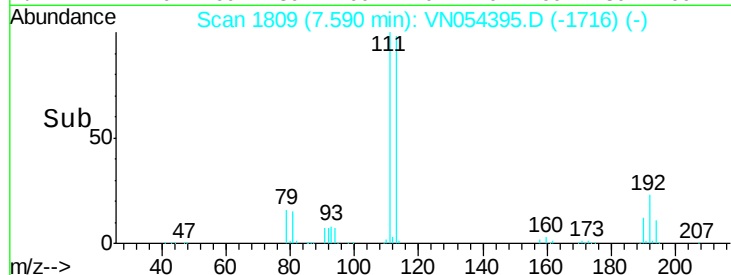
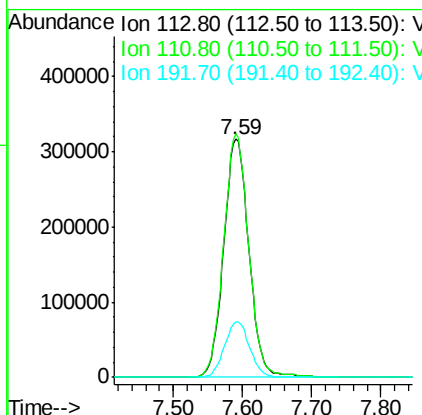
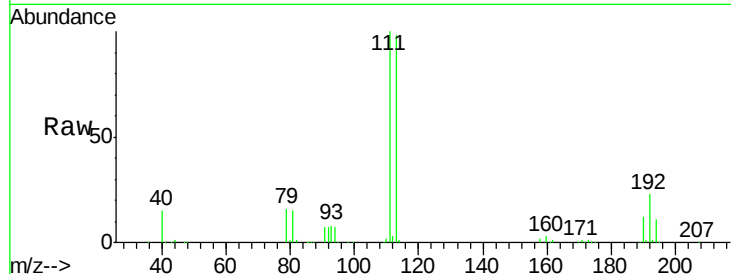




#35
 Dibromofluoromethane
 Concen: 46.681 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054395.D
 Acq: 18 Mar 2019 15:49

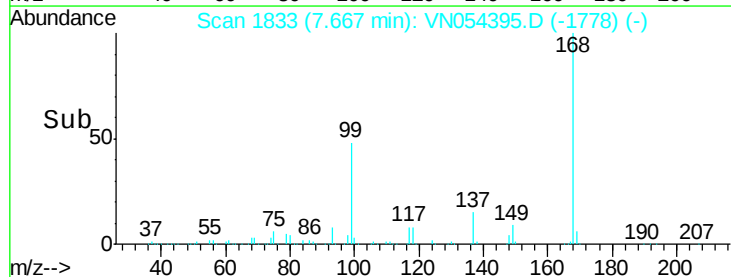
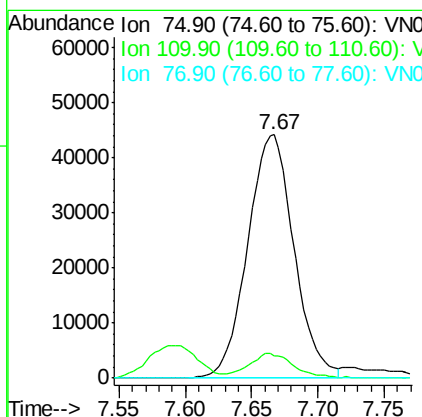
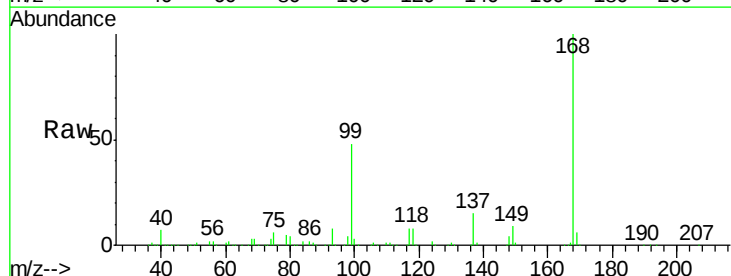
Instrument :
 MSVOA_N
 ClientSampleId :

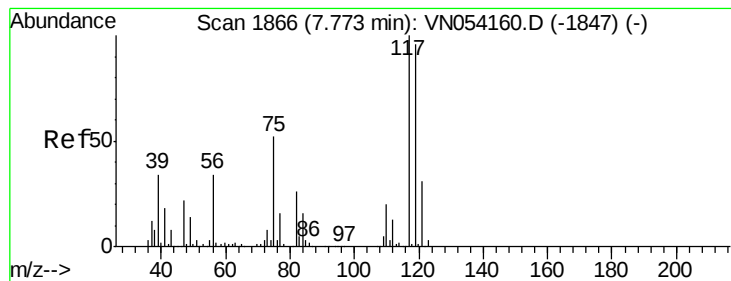
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	23.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.337 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054395.D
 Acq: 18 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

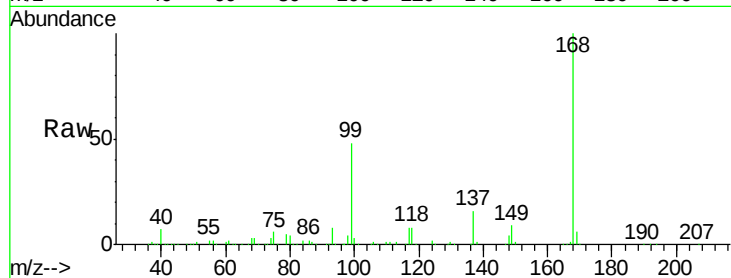
Tot Ion:117 Resp: 148875

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

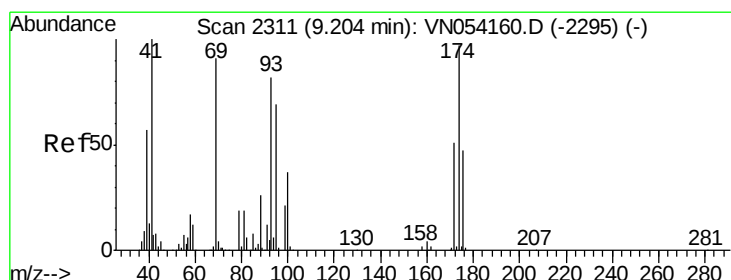
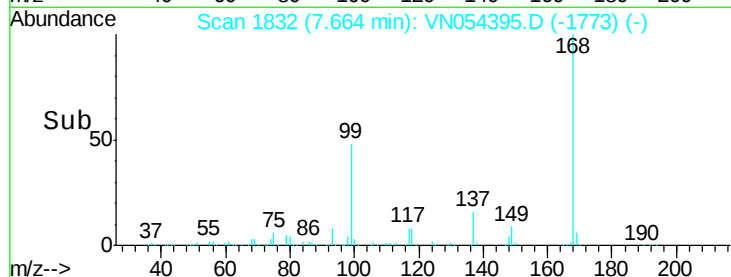
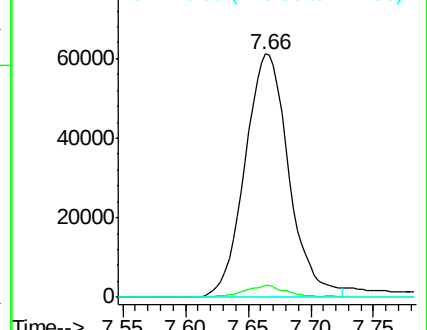
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.688 ug/l

RT: 8.95 min Scan# 2232

Delta R.T. -0.25 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

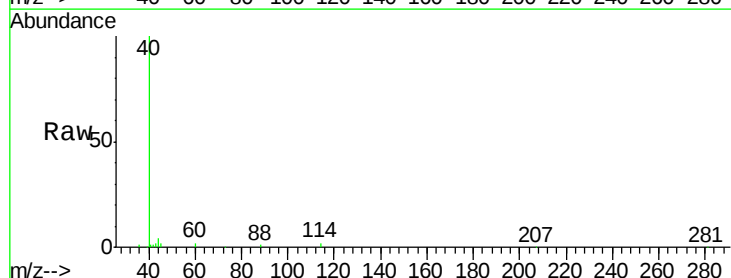
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 148.8 24.1 36.1#

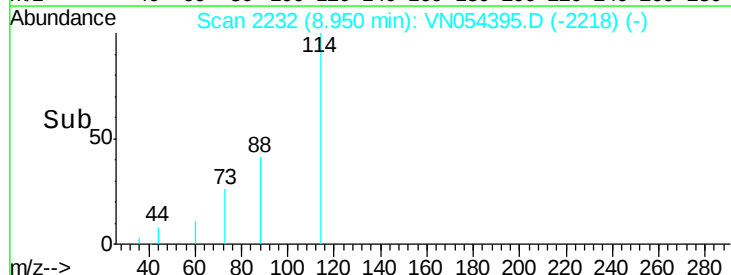
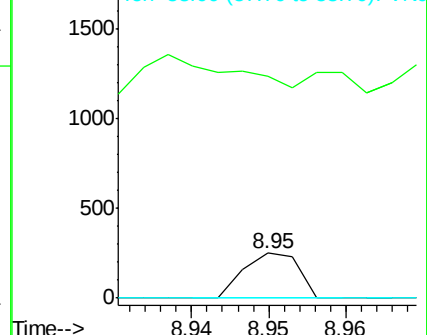
58 0.0 50.8 76.2#

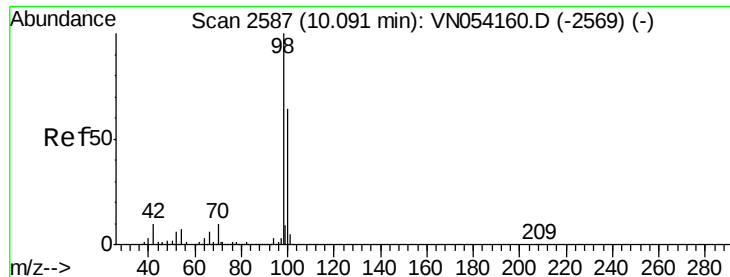


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.782 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

Instrument :

MSVOA_N

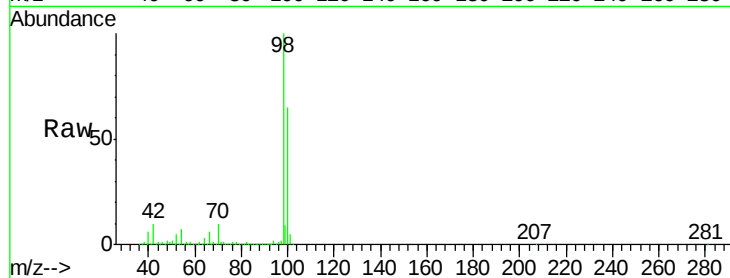
ClientSampleId :

Tot Ion: 98 Resp: 3115490

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

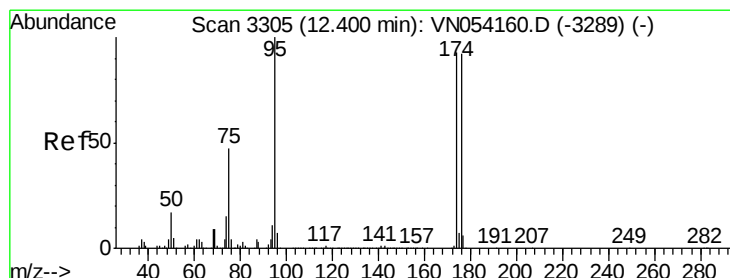
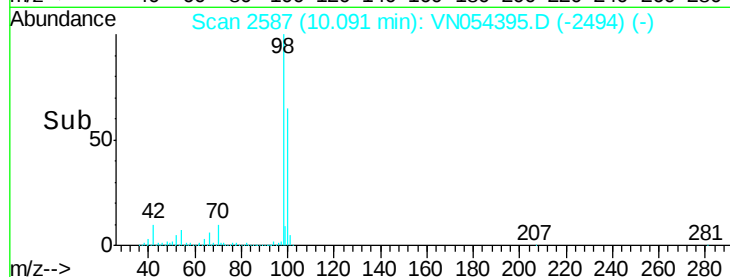
1000000

500000

0

10.00 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 42.069 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

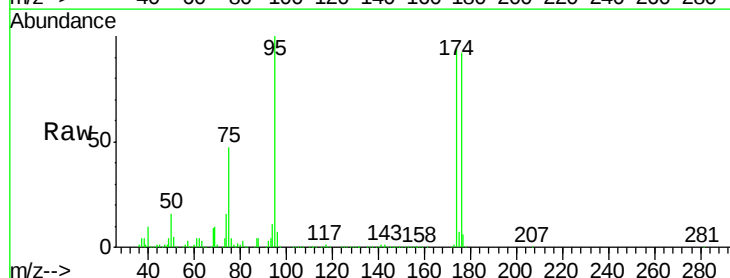
Tgt Ion: 95 Resp: 940113

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.0

176 94.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

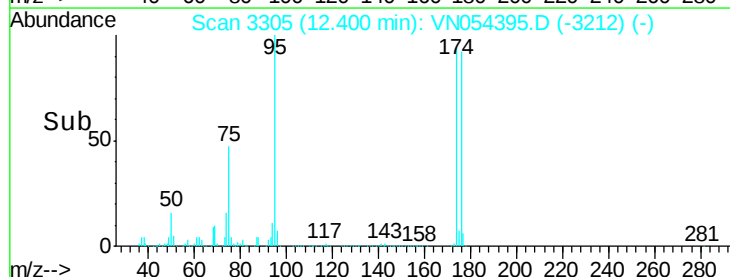
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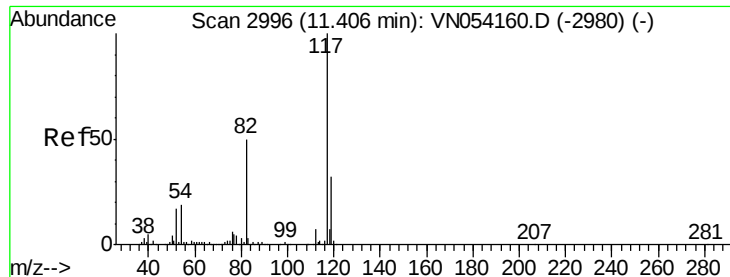
200000

0

12.30 12.40 12.50

Time-->

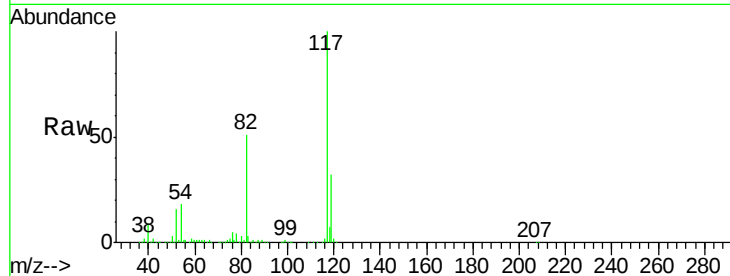




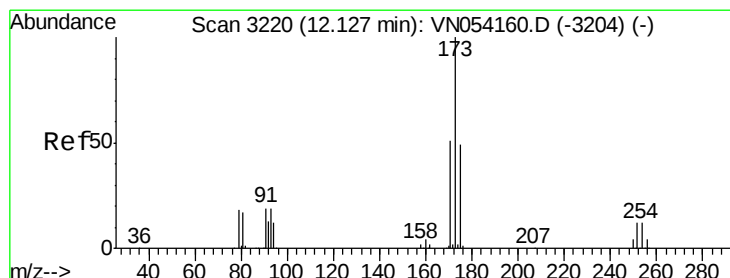
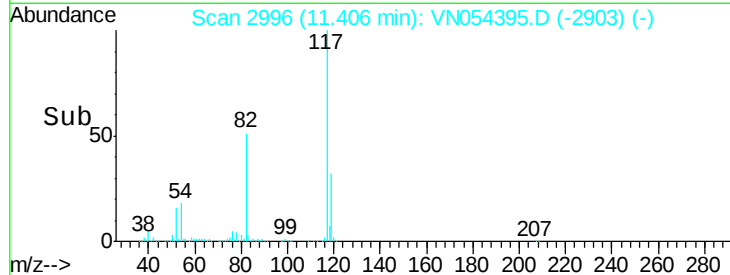
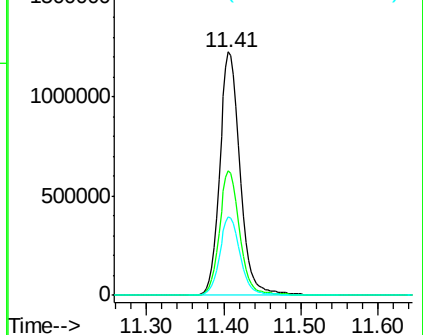
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054395.D
Acq: 18 Mar 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2261244
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.1 25.8 38.6

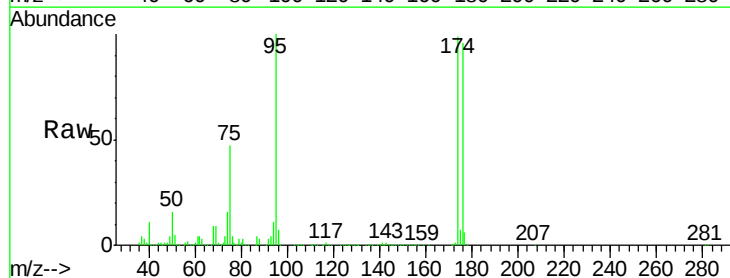


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

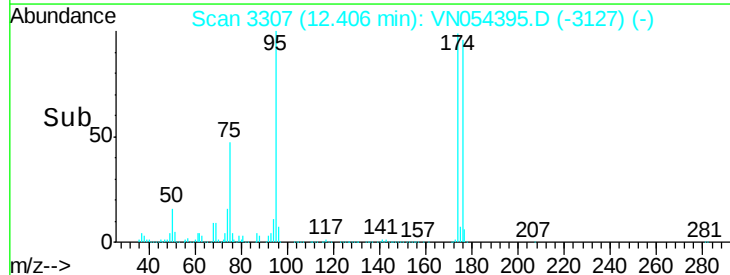
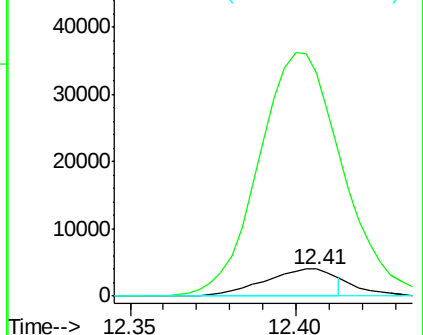


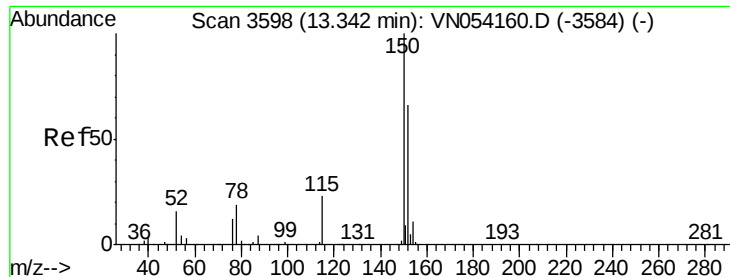
#71
Bromoform
Concen: 2.759 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN054395.D
Acq: 18 Mar 2019 15:49

Tgt Ion:173 Resp: 5887
Ion Ratio Lower Upper
173 100
175 922.6 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



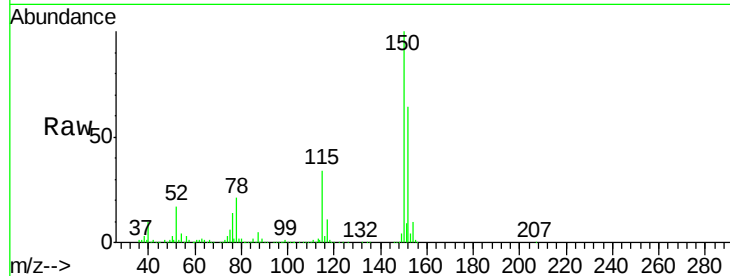


#72

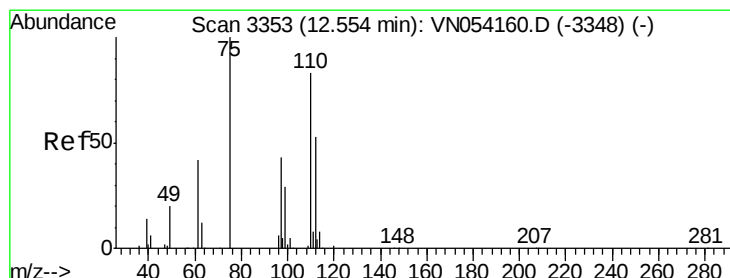
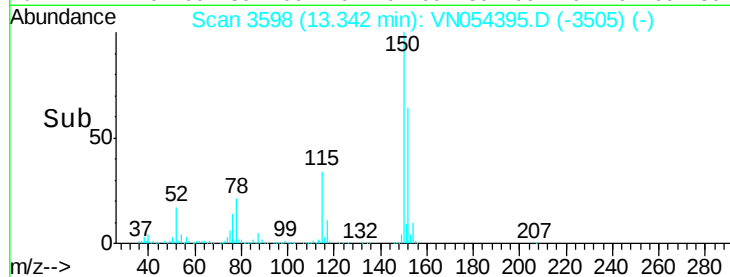
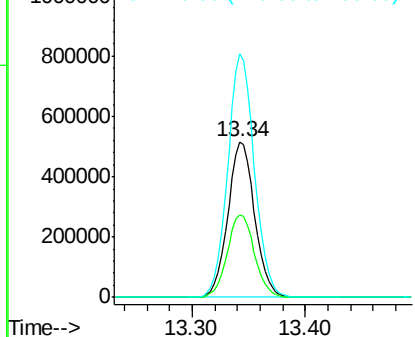
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054395.D
Acq: 18 Mar 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 845374
Ion Ratio Lower Upper
152 100
115 54.0 27.2 81.6
150 156.0 0.0 349.2



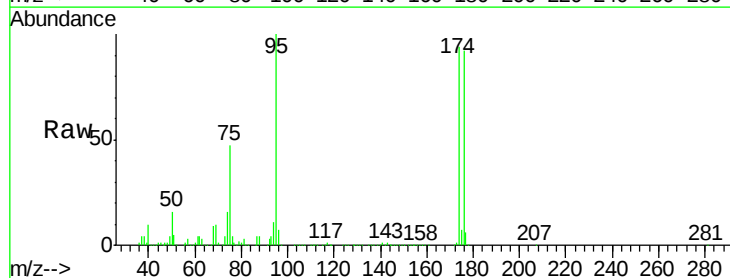
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



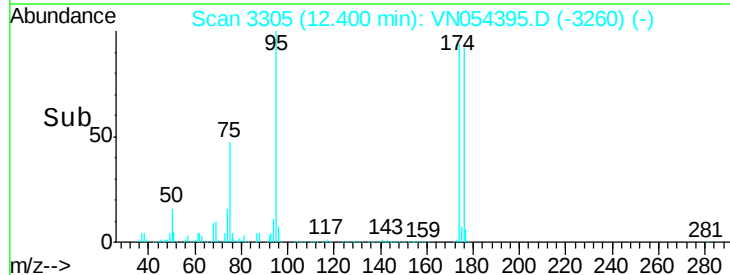
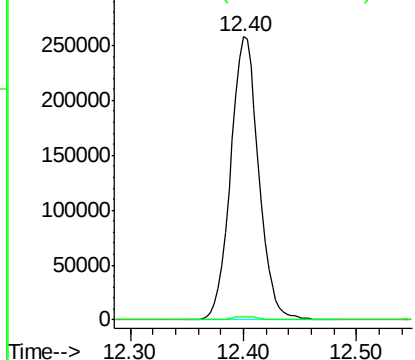
#76

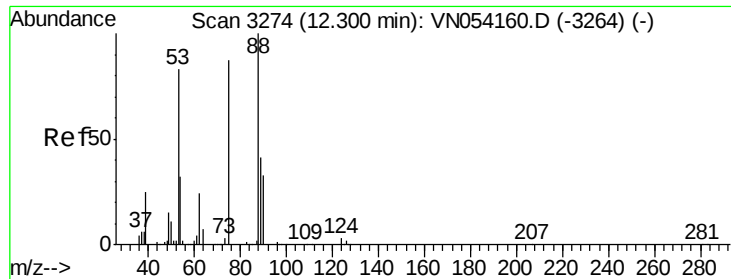
1,2,3-Trichloropropane
Concen: 35.862 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054395.D
Acq: 18 Mar 2019 15:49

Tgt Ion: 75 Resp: 445820
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: 122.592 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

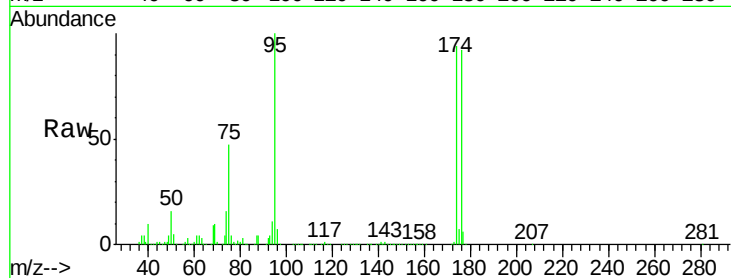
Tot Ion: 75 Resp: 445820

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

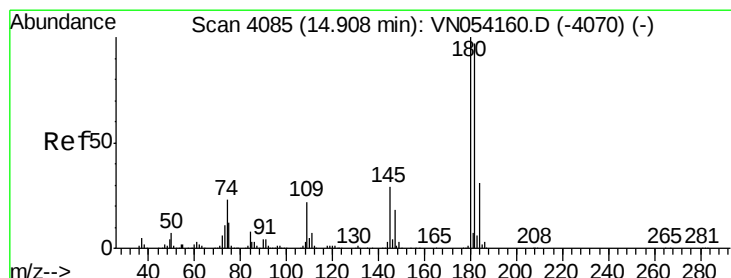
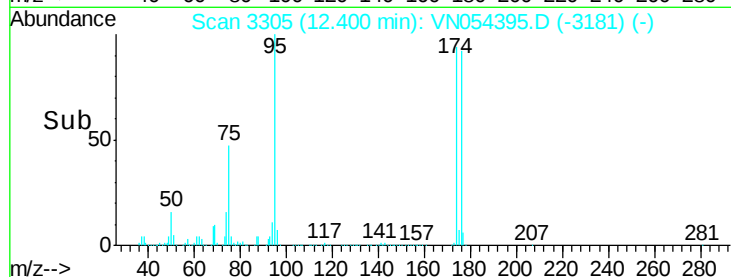
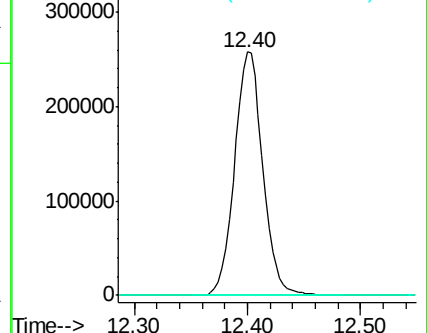
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054395.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054395.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054395.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.553 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

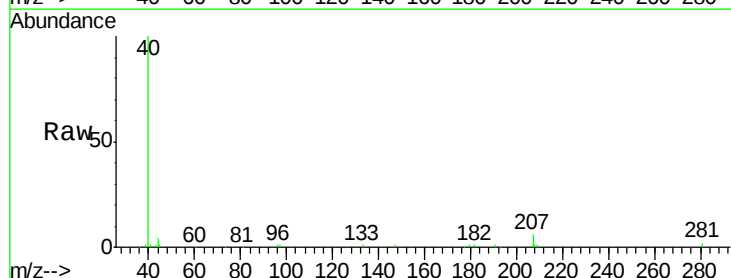
Tgt Ion: 180 Resp: 682

Ion Ratio Lower Upper

180 100

182 71.3 48.0 144.2

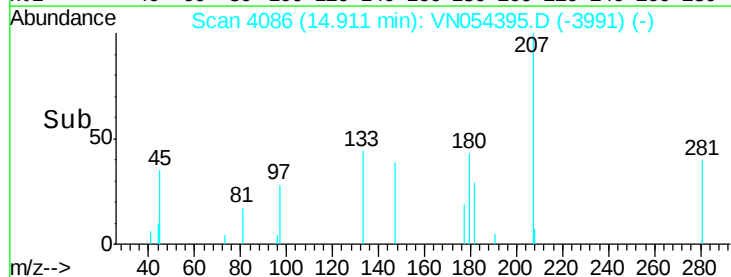
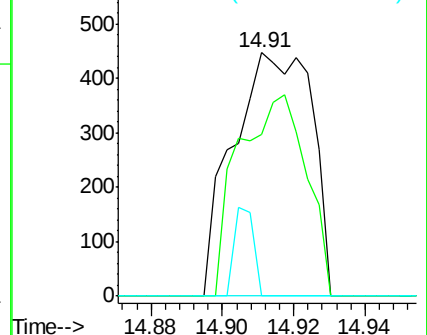
145 8.9 14.2 42.8#

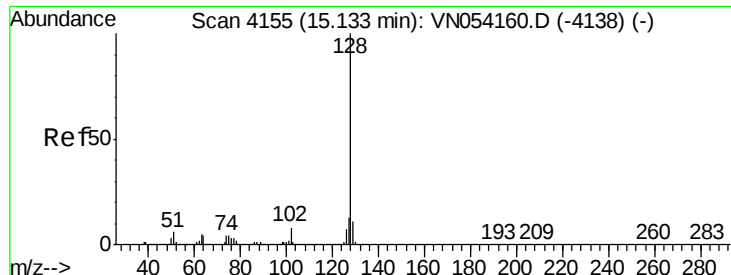


Abundance Ion 179.80 (179.50 to 180.50): VN054395.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN054395.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054395.D (-3991) (-)





#95

Naphthalene

Concen: 3.579 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

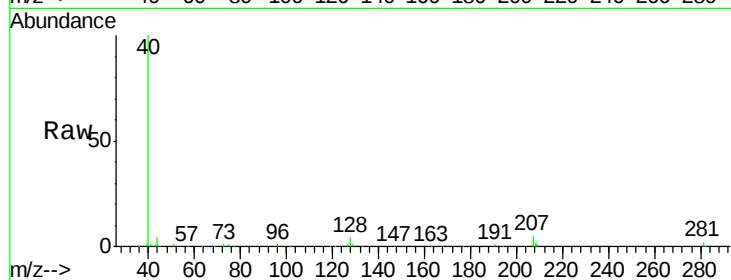
Lab File: VN054395.D

Acq: 18 Mar 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	4357
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.1	15.1#
129	6.7	8.7	13.1#

