

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
 Data File : VN053527.D
 Acq On : 23 Jan 2019 10:26
 Operator : JC/SP
 Sample : VN0123WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBL01

Quant Time: Jan 24 01:31:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	790202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1232759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1142050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	498595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	398488	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	372219	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
50) Toluene-d8	10.09	98	1522761	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	514946	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	

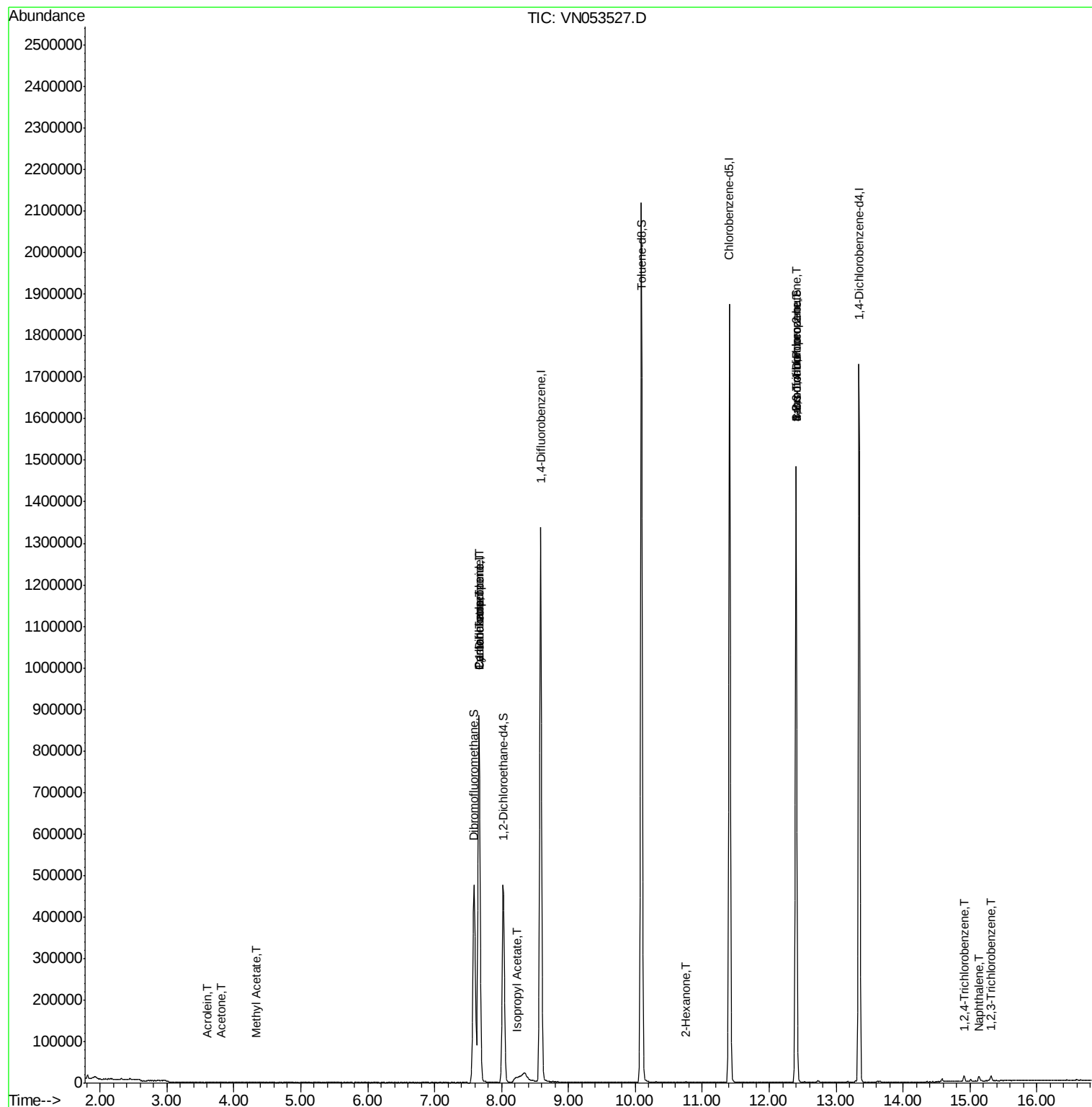
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	289	23.090	ug/l #	82
16) Acetone	3.82	43	415	0.226	ug/l #	41
18) Methyl Acetate	4.33	43	1251	0.203	ug/l #	84
31) Cyclohexane	7.66	56	12521	0.692	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	52160	4.646	ug/l #	44
38) Carbon Tetrachloride	7.66	117	68271	6.423	ug/l #	16
43) Isopropyl Acetate	8.22	43	10866	0.936	ug/l #	51
59) 2-Hexanone	10.76	43	1677	0.377	ug/l	63
71) Bromoform	12.40	173	3827	0.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	237343	36.122	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	237343	89.318	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	4645	3.405	ug/l	97
95) Naphthalene	15.14	128	10840	4.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	5512	4.915	ug/l	99

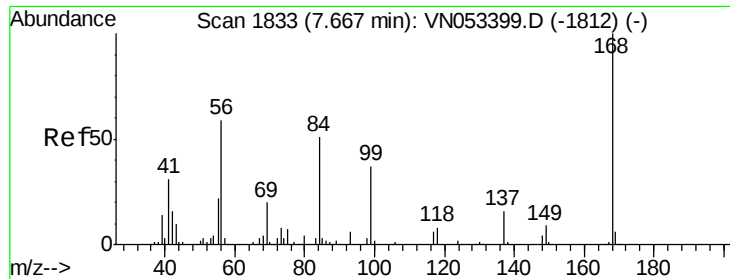
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

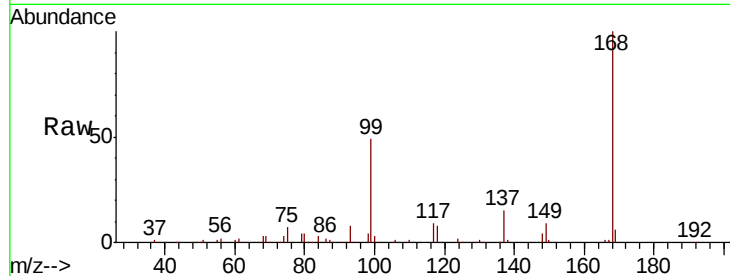
VN0123WBL01

Tgt Ion:168 Resp: 790202

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.66

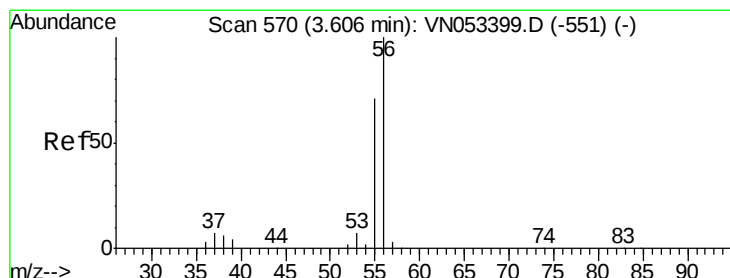
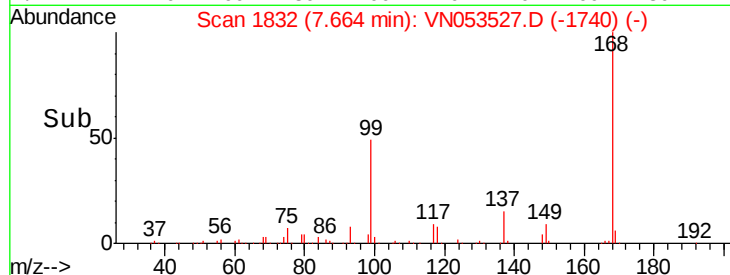
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 23.090 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053527.D

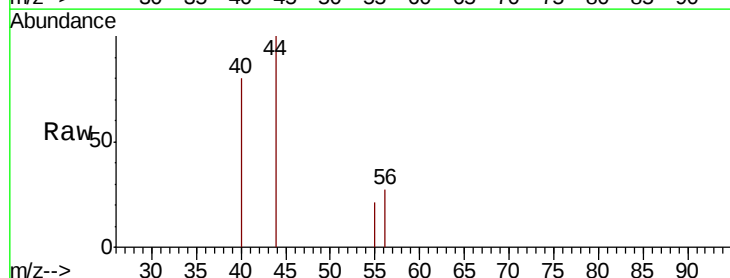
Acq: 23 Jan 2019 10:26

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 86.5 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.60

300

250

200

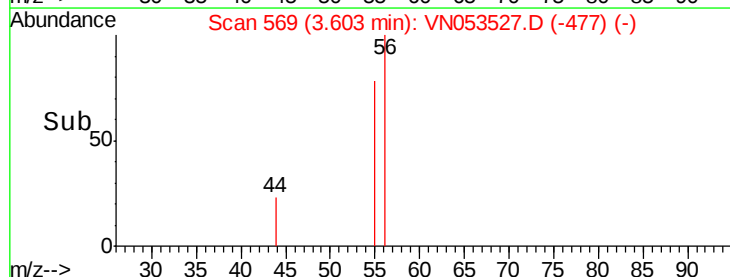
150

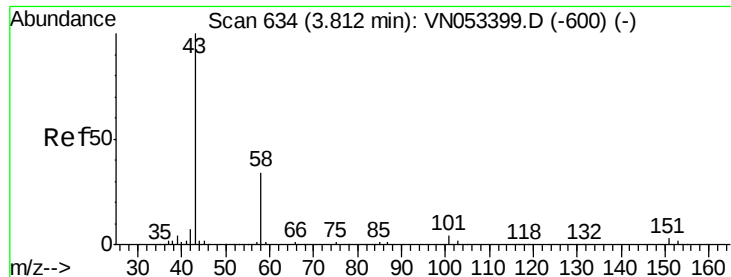
100

50

0

Time-->





#16

Acetone

Concen: 0.226 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

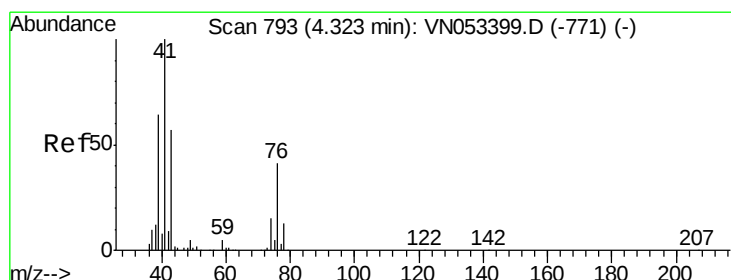
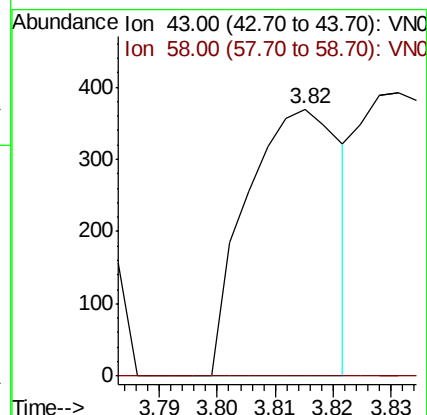
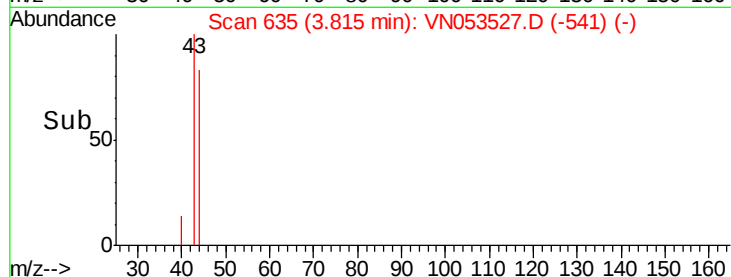
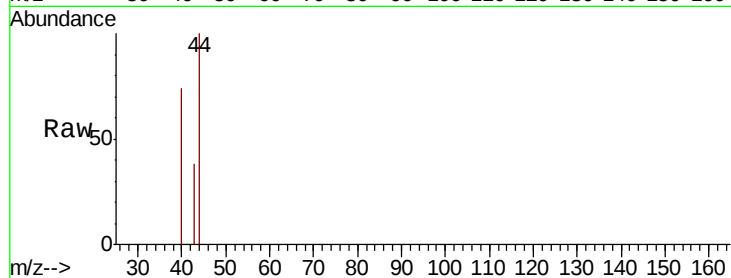
VN0123WBL01

Tgt Ion: 43 Resp: 415

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053527.D

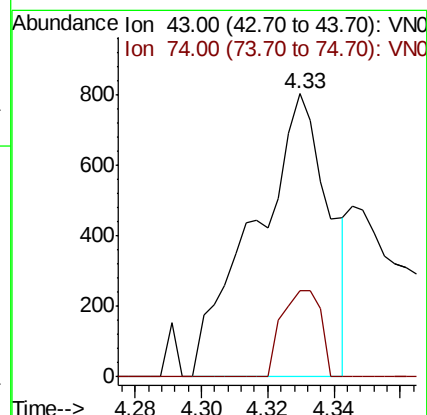
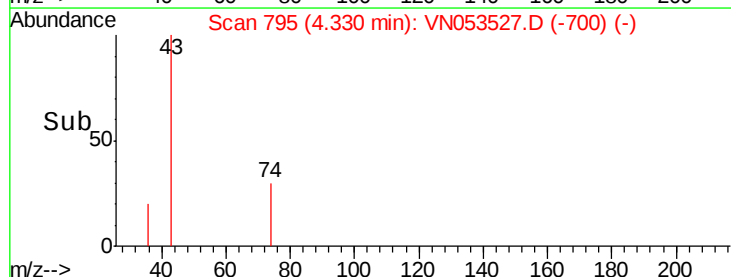
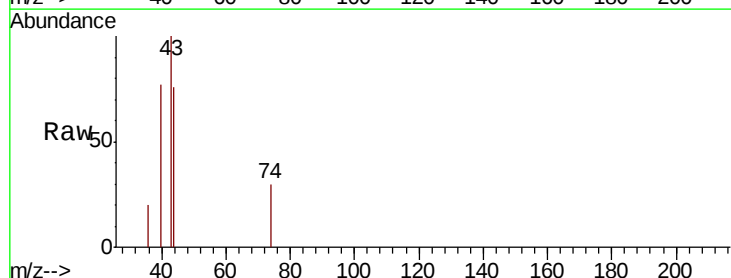
Acq: 23 Jan 2019 10:26

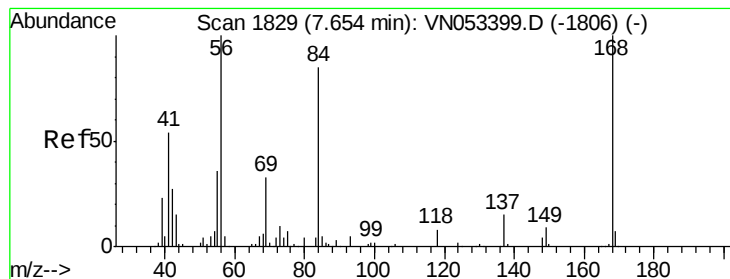
Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

74 16.1 19.4 29.2#





#31

Cyclohexane

Concen: 0.692 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0123WBL01

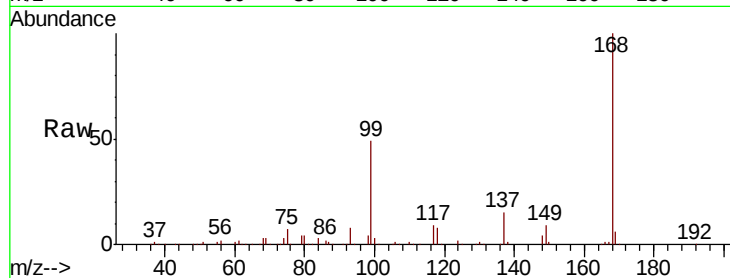
Tgt Ion: 56 Resp: 12521

Ion Ratio Lower Upper

56 100

69 184.3 26.4 39.6#

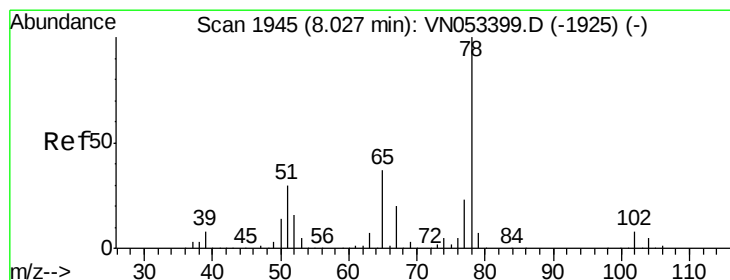
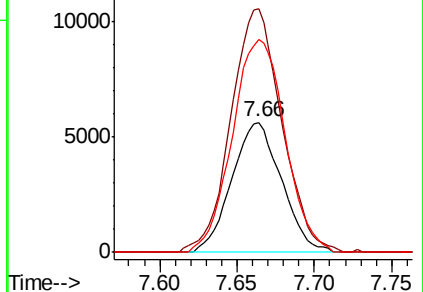
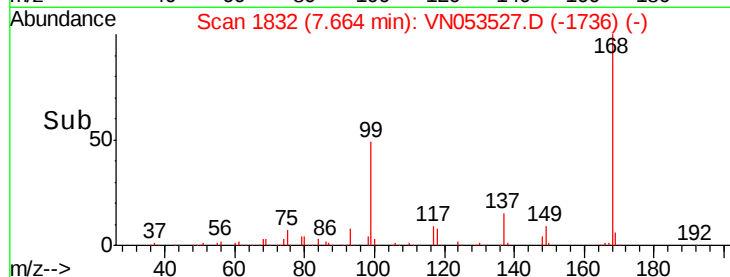
84 163.1 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053527.D

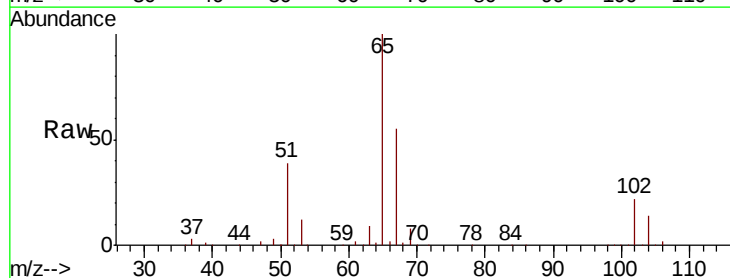
Acq: 23 Jan 2019 10:26

Tgt Ion: 65 Resp: 398488

Ion Ratio Lower Upper

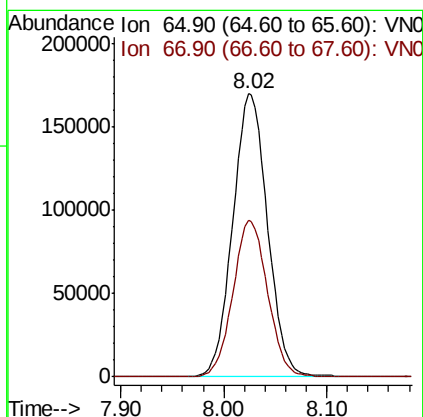
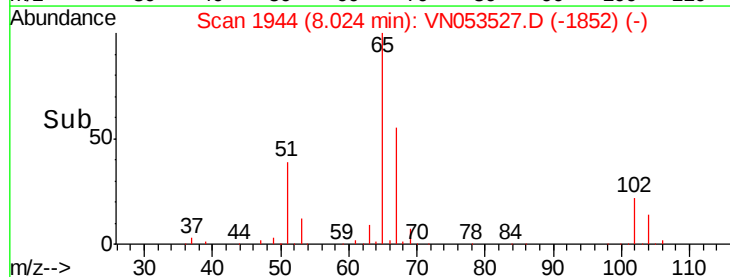
65 100

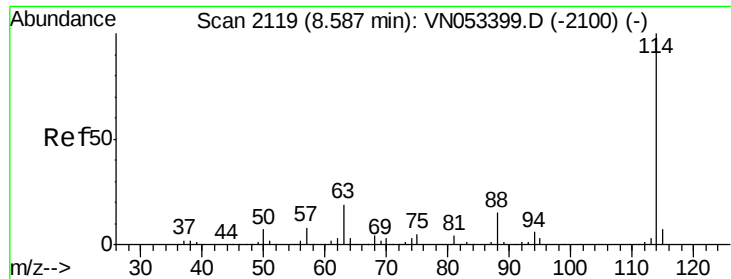
67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

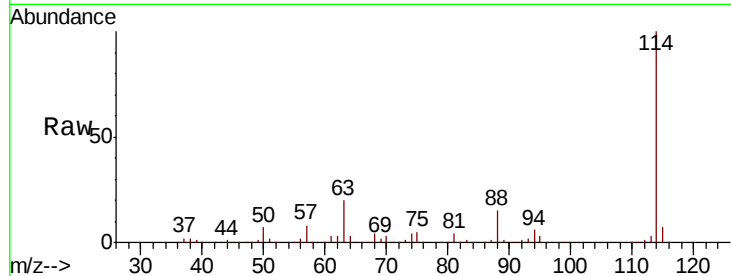




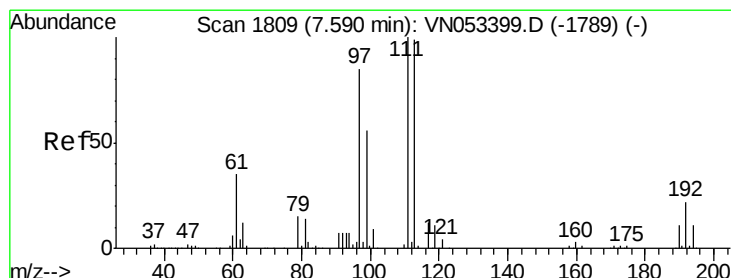
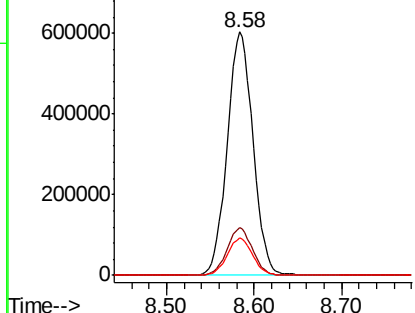
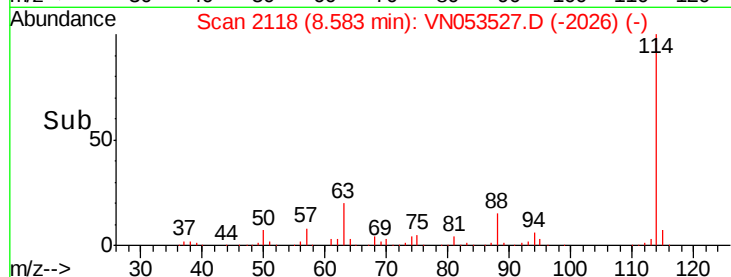
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

Tgt Ion:114 Resp: 1232759
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.2 0.0 30.4

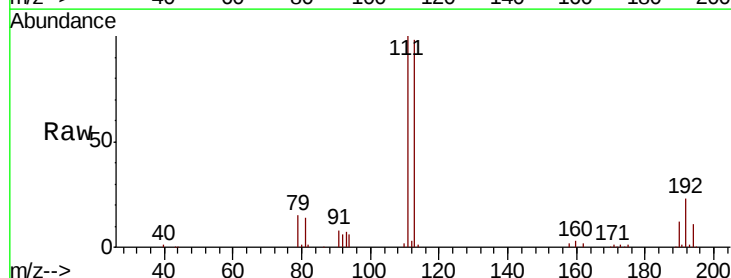


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

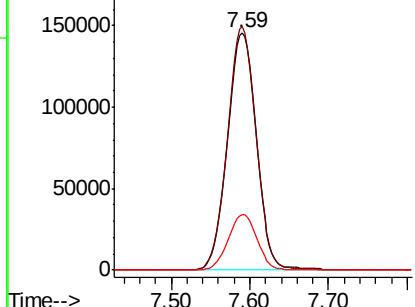
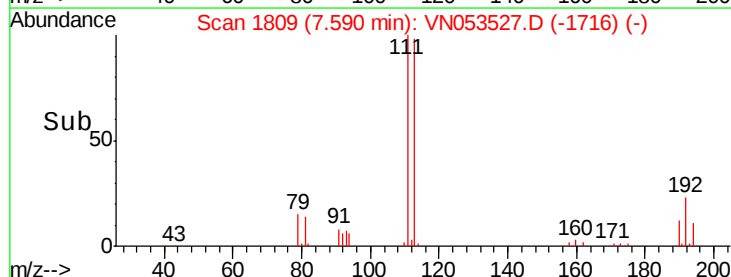


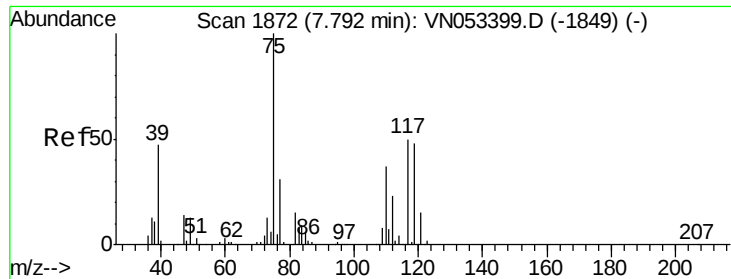
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

Tgt Ion:113 Resp: 372219
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 23.2 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

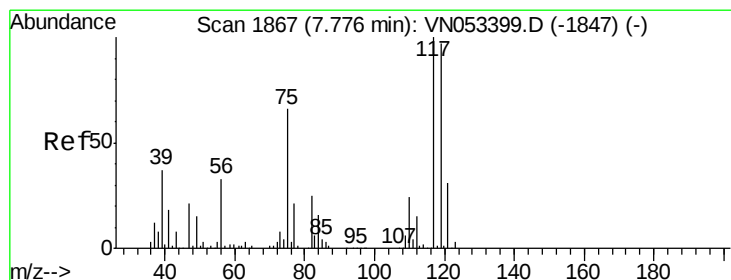
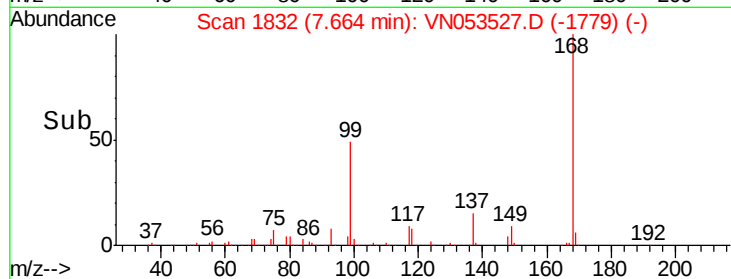
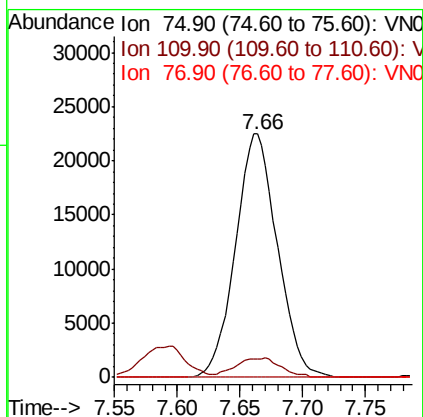
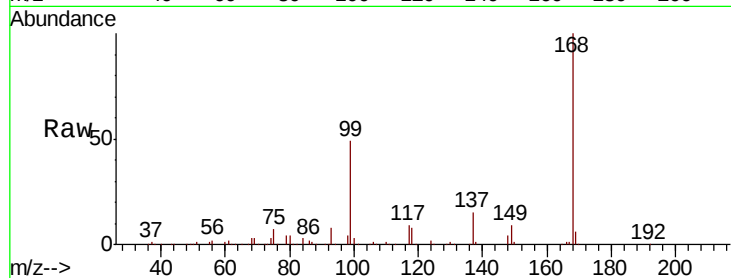




#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053527.D
 Acq: 23 Jan 2019 10:26

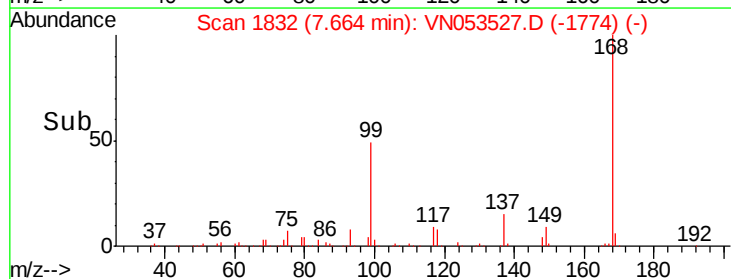
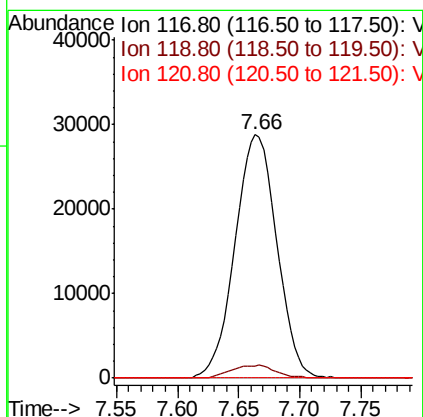
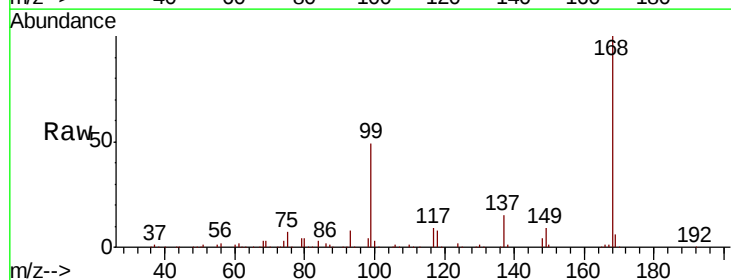
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBL01

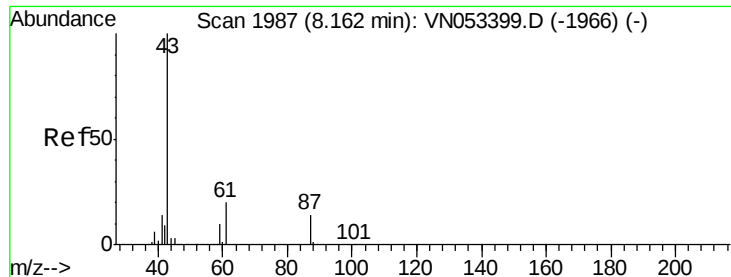
Tgt Ion: 75 Resp: 52160
 Ion Ratio Lower Upper
 75 100
 110 3.4 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.423 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053527.D
 Acq: 23 Jan 2019 10:26

Tgt Ion: 117 Resp: 68271
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.936 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBL01

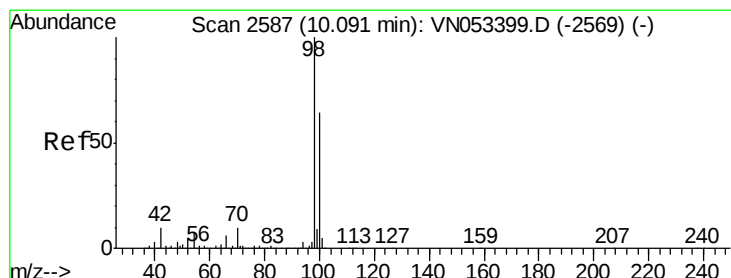
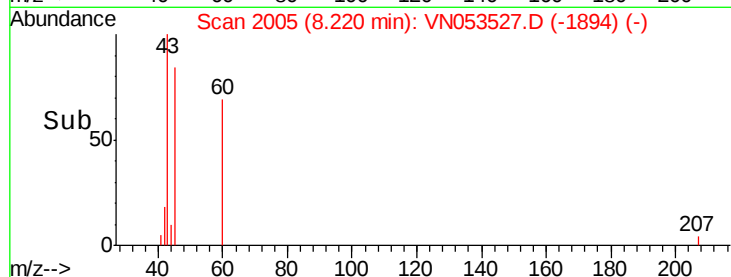
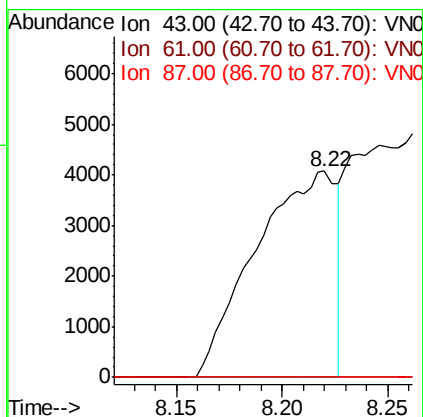
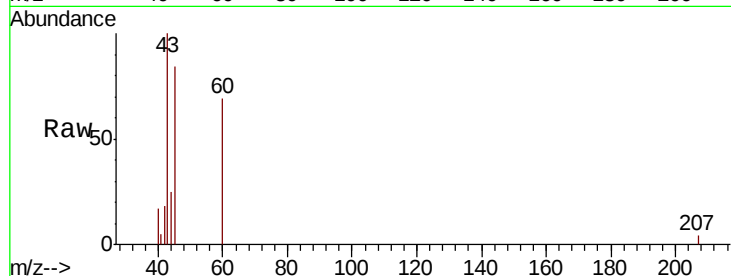
Tgt Ion: 43 Resp: 10866

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053527.D

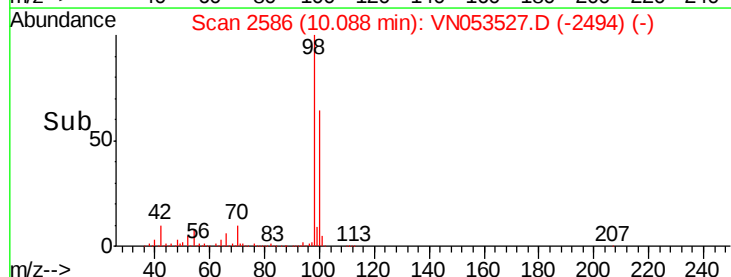
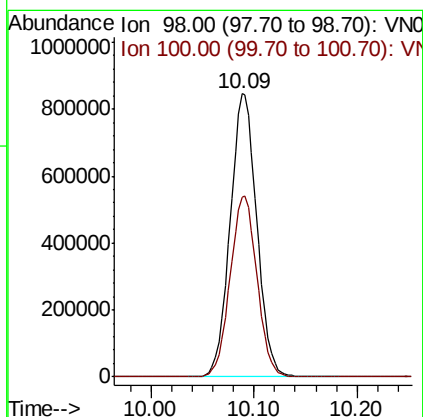
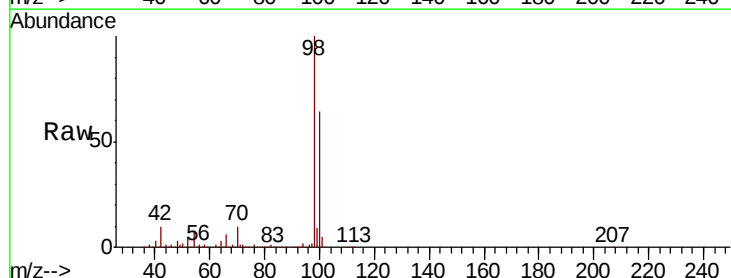
Acq: 23 Jan 2019 10:26

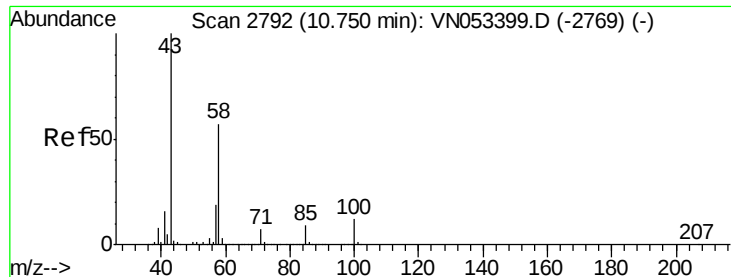
Tgt Ion: 98 Resp: 1522761

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0





#59

2-Hexanone

Concen: 0.377 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

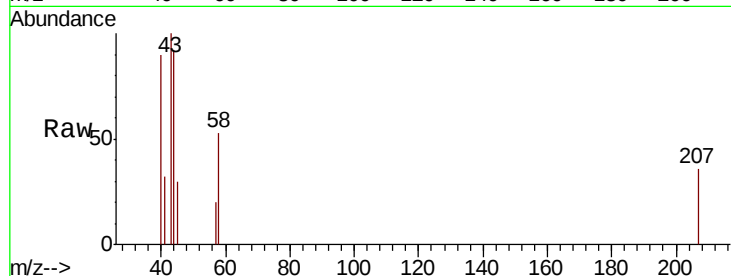
VN0123WBL01

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 29.9 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

800

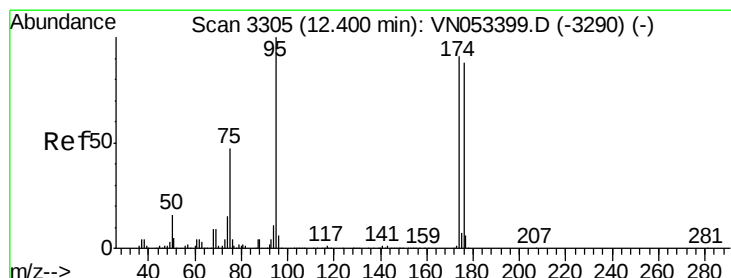
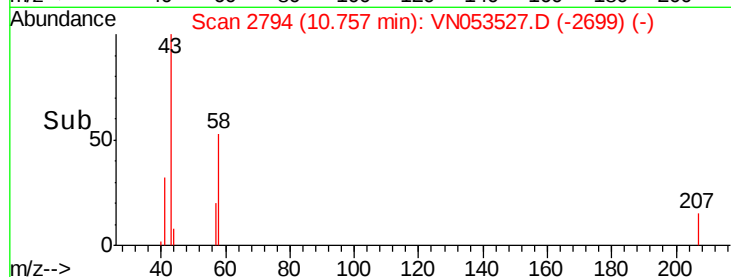
600

400

200

0

Time--> 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

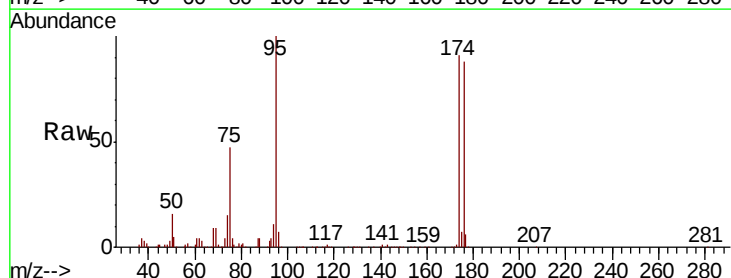
Tgt Ion: 95 Resp: 514946

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.2

176 88.6 0.0 177.4



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

400000

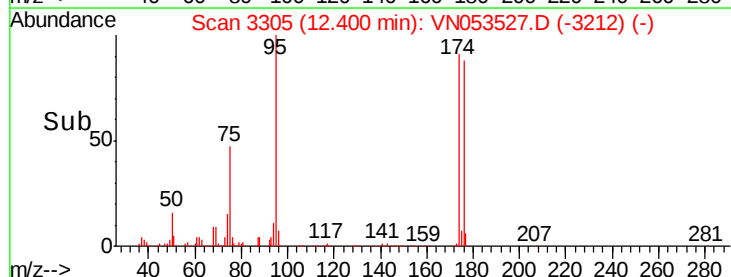
300000

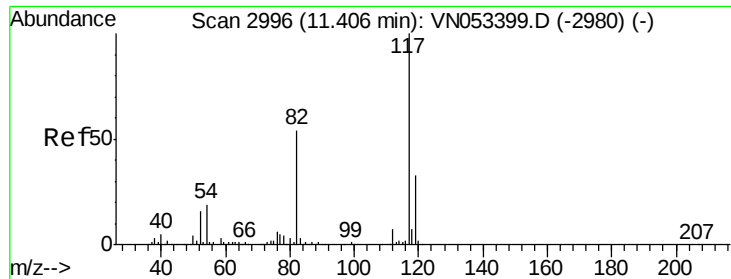
200000

100000

0

Time--> 12.30 12.40 12.50

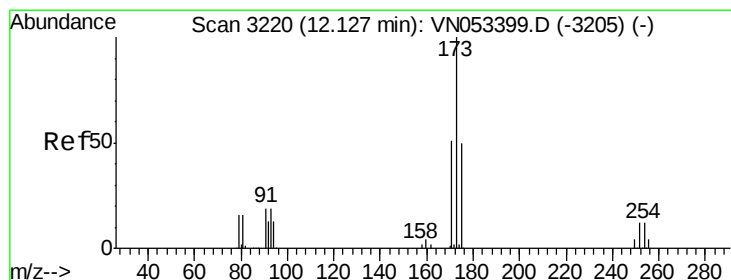
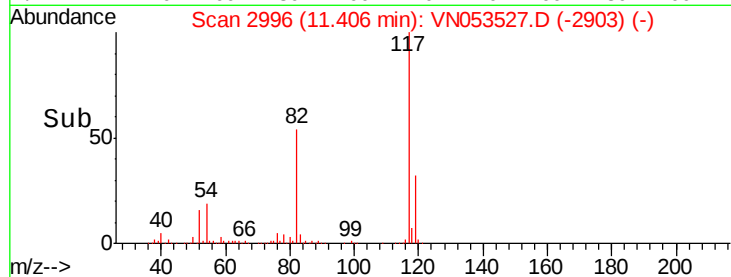
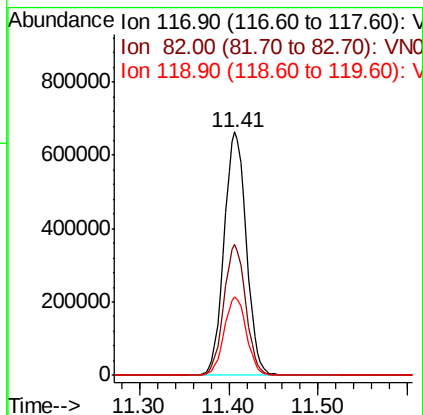
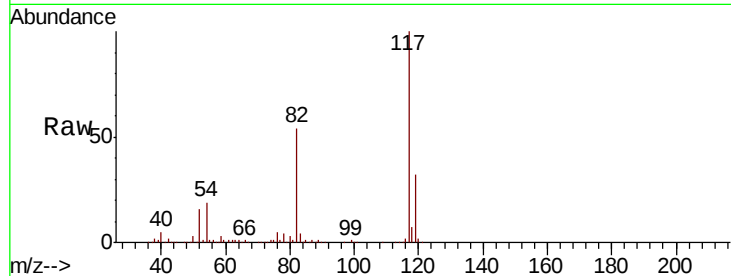




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

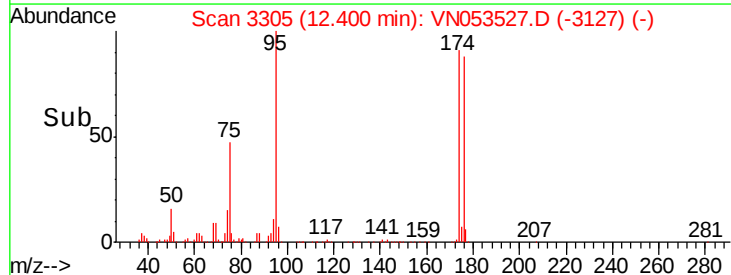
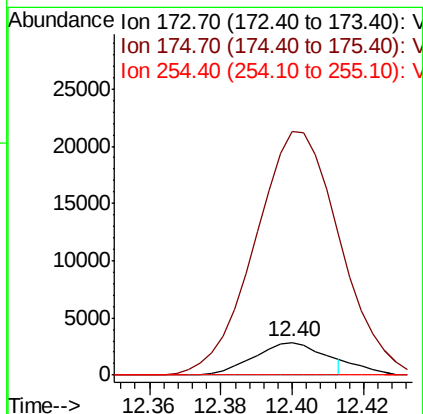
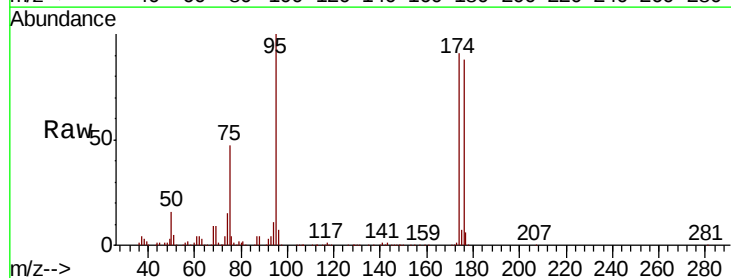
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

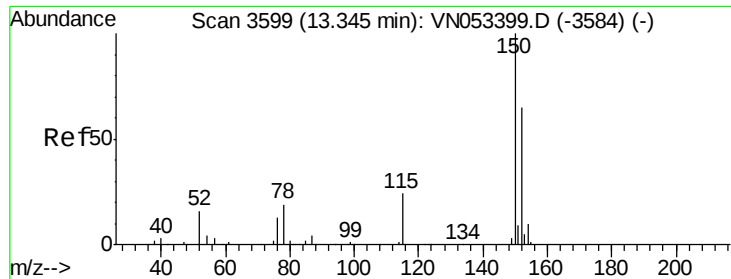
Tgt Ion:117 Resp: 1142050
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.4 26.0 39.0



#71
Bromoform
Concen: 0.661 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

Tgt Ion:173 Resp: 3827
Ion Ratio Lower Upper
173 100
175 806.2 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBL01

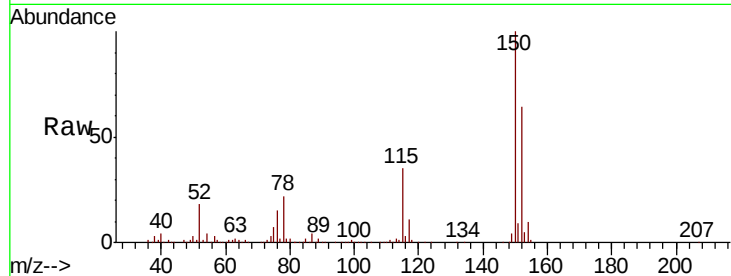
Tgt Ion:152 Resp: 498595

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

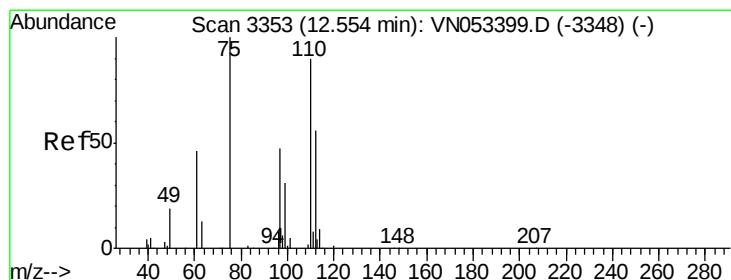
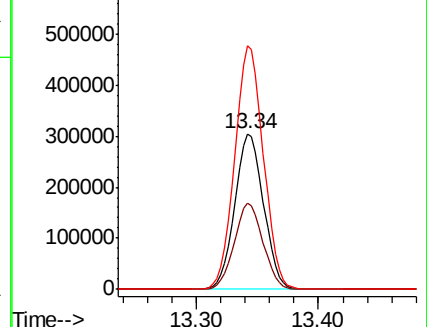
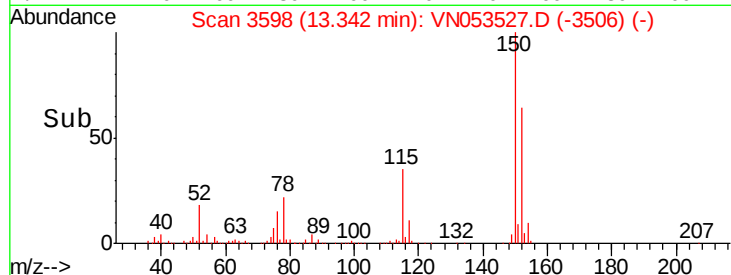
150 156.3 0.0 349.0



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: 36.122 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053527.D

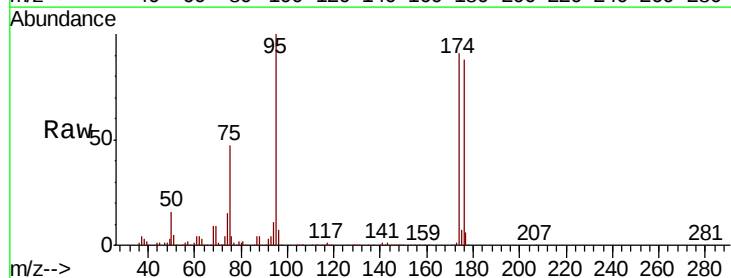
Acq: 23 Jan 2019 10:26

Tgt Ion: 75 Resp: 237343

Ion Ratio Lower Upper

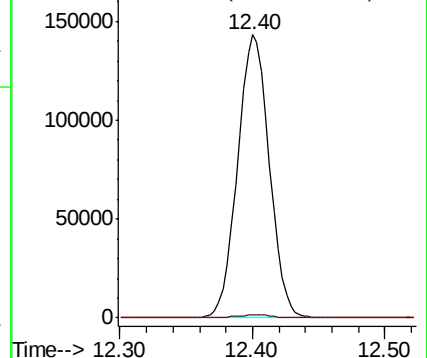
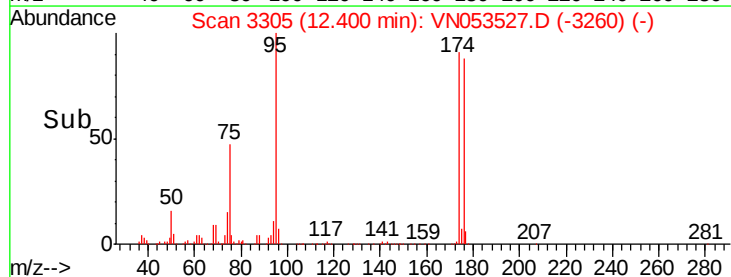
75 100

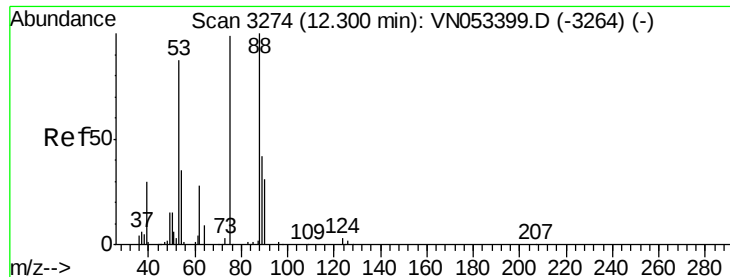
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.318 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBL01

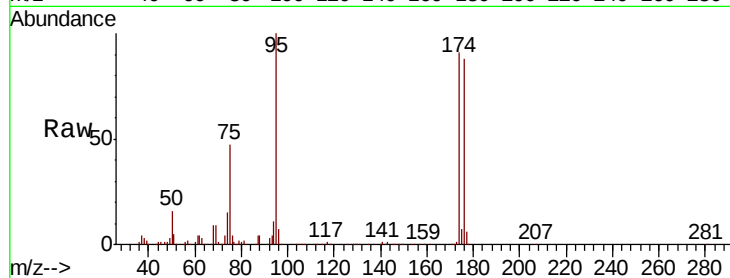
Tgt Ion: 75 Resp: 237343

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

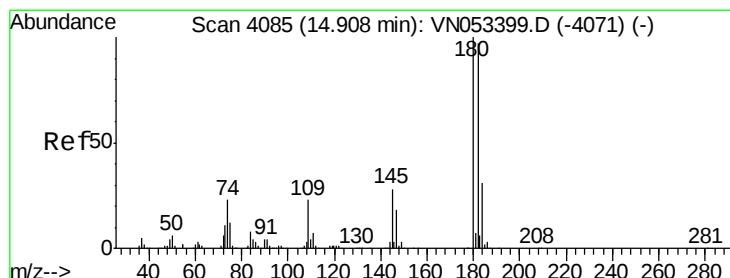
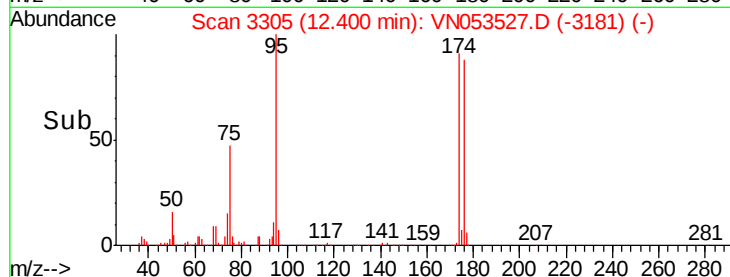
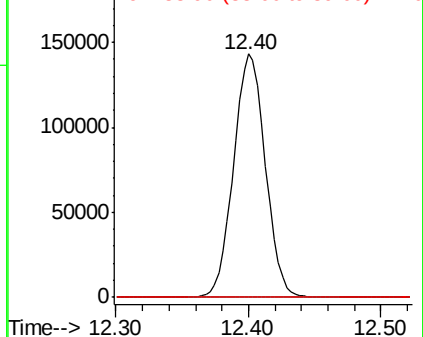
89 0.0 35.6 53.4#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.405 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053527.D

Acq: 23 Jan 2019 10:26

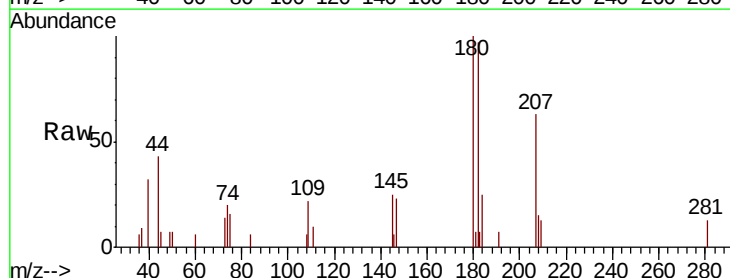
Tgt Ion: 180 Resp: 4645

Ion Ratio Lower Upper

180 100

182 98.4 48.1 144.3

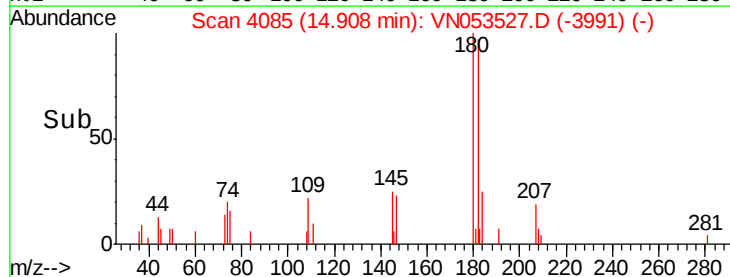
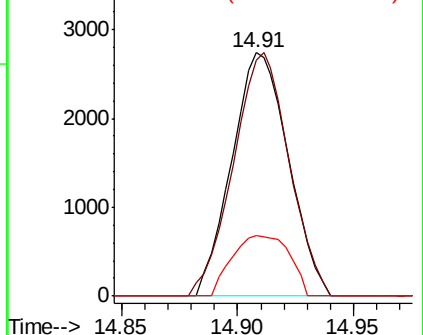
145 25.2 13.9 41.6

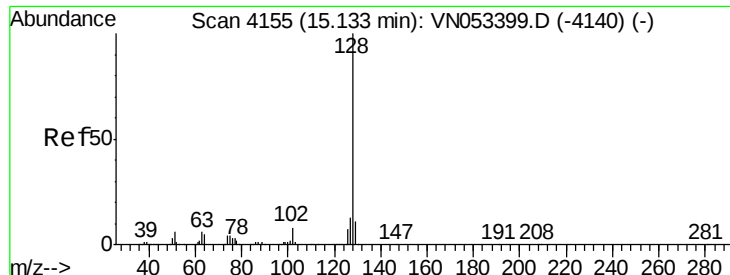


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

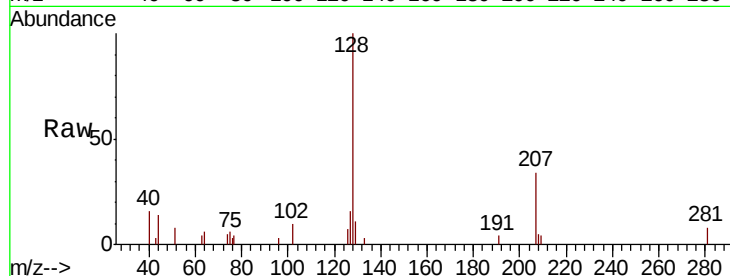




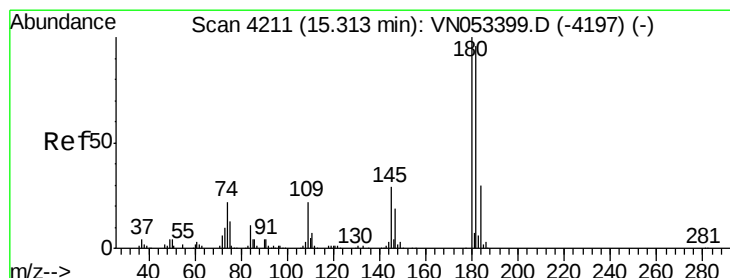
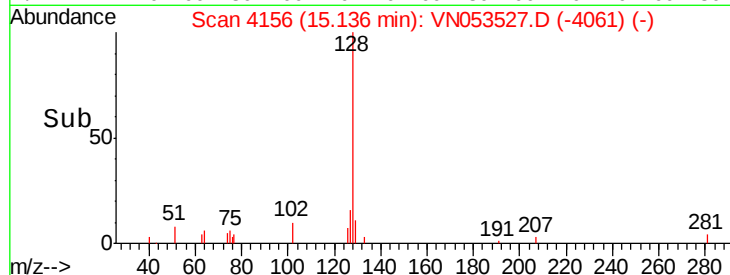
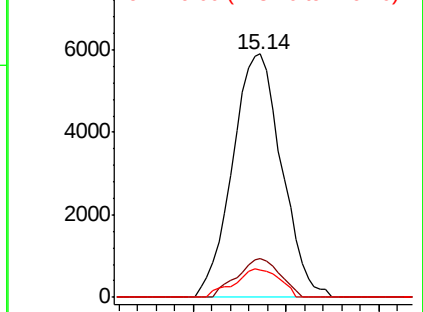
#95
Naphthalene
Concen: 4.767 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

Tgt Ion:128 Resp: 10840
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 10.7 8.6 13.0

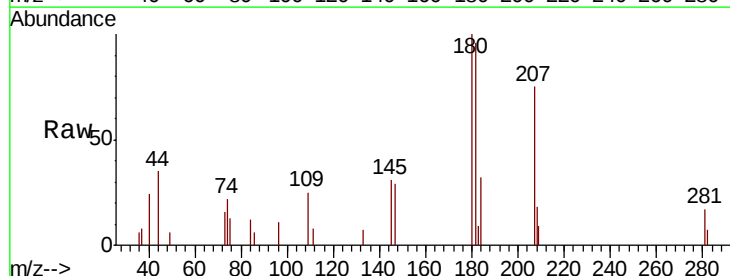


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.915 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053527.D
Acq: 23 Jan 2019 10:26

Tgt Ion:180 Resp: 5512
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.8
145 30.4 14.7 44.1



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

