

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053154.D
 Acq On : 23 Dec 2018 1:39
 Operator : MD\SY
 Sample : J6446-06ME 10X
 Misc : 6.50u/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-1824-01ME

Quant Time: Dec 23 23:12:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1206605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1864749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1684248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	709551	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	599931	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
35) Dibromofluoromethane	7.59	113	498221	58.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.98%	
50) Toluene-d8	10.09	98	2278433	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	781660	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	

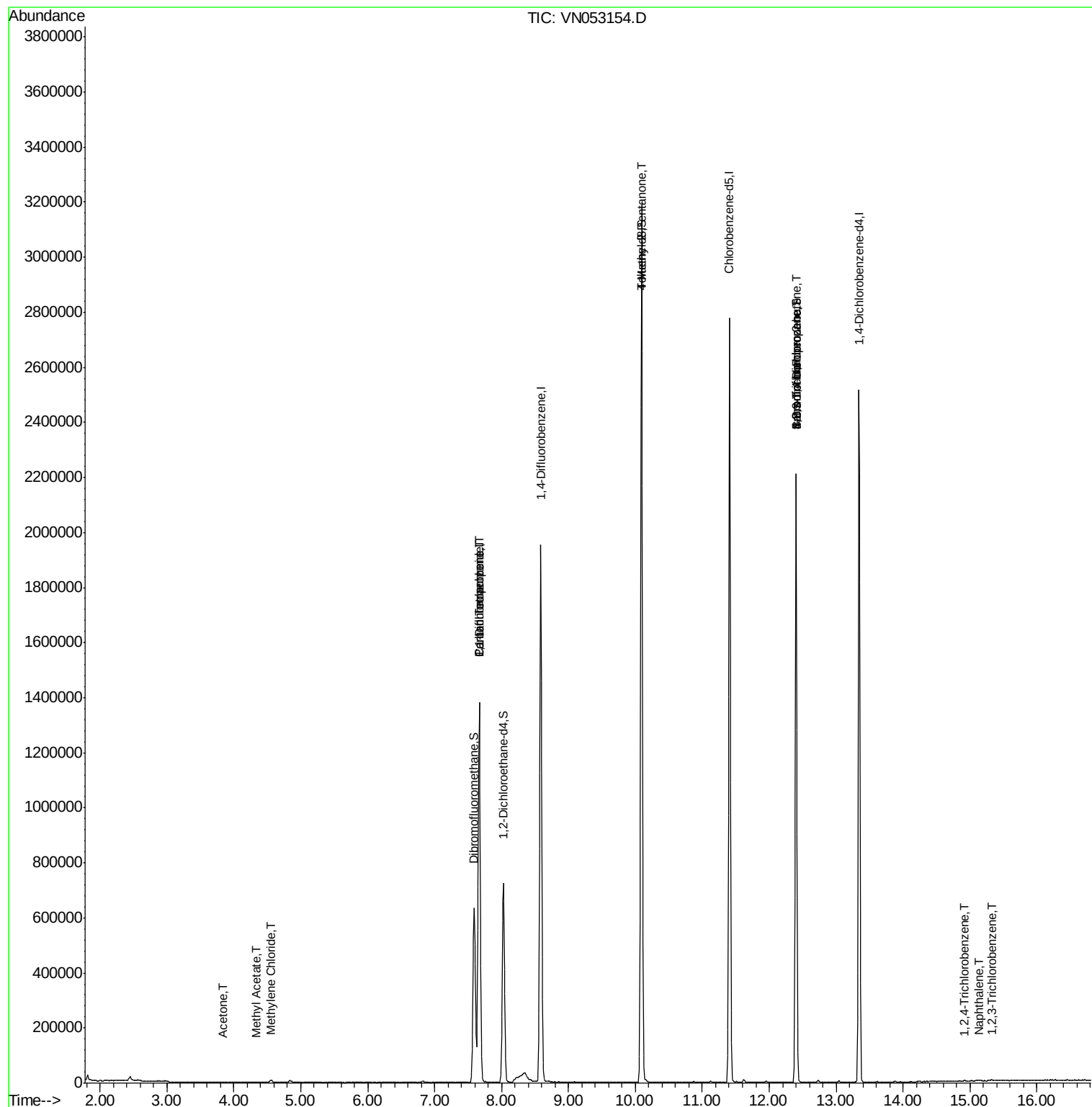
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	2245	0.935	ug/l #	43
18) Methyl Acetate	4.33	43	3181	1.278	ug/l #	87
20) Methylene Chloride	4.56	84	7188	0.549	ug/l	90
31) Cyclohexane	7.67	56	19240	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	79157	4.423	ug/l #	48
38) Carbon Tetrachloride	7.67	117	103532	6.311	ug/l #	15
43) Isopropyl Acetate	8.23	43	17685	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.09	43	9279	0.959	ug/l #	1
71) Bromoform	12.40	173	4507	0.481	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	364686	30.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	364686	98.407	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.90	180	370	0.625	ug/l #	49
94) Hexachlorobutadiene	15.01	225	109	Below Cal	#	19
95) Naphthalene	15.13	128	2727	1.242	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.32	180	739	0.572	ug/l	77

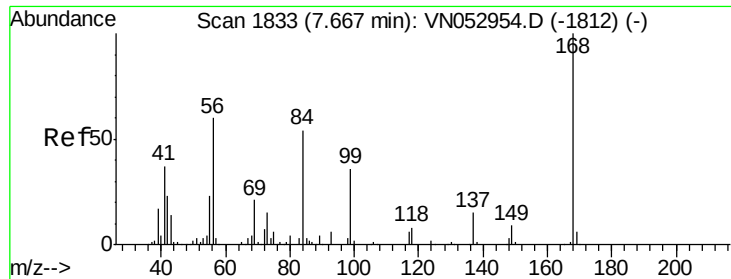
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

Instrument :

MSVOA_N

ClientSampleId :

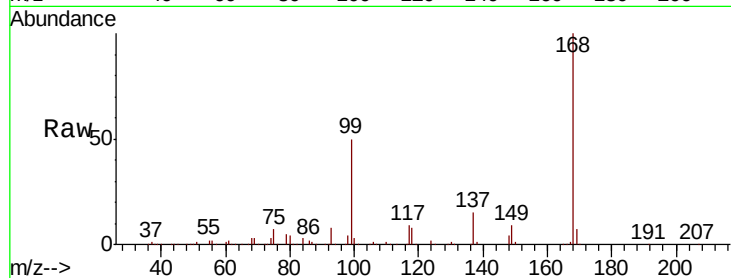
P001-SS026-1824-01ME

Tot Ion:168 Resp: 1206605

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

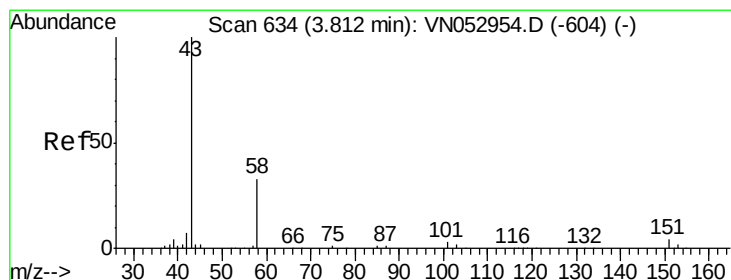
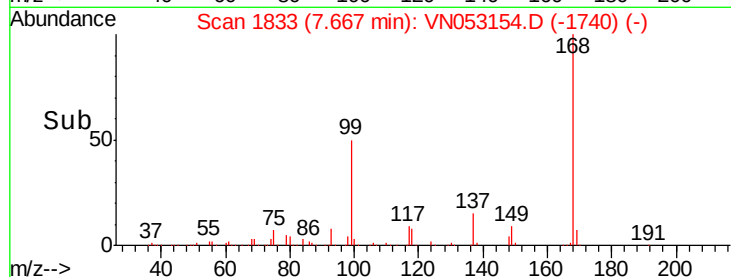
7.67

7.60

7.70

7.80

Time-->



#16

Acetone

Concen: 0.935 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053154.D

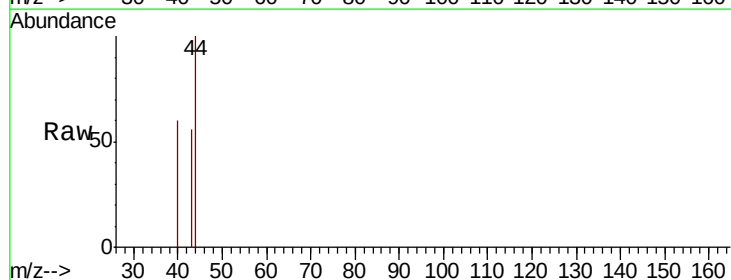
Acq: 23 Dec 2018 1:39

Tgt Ion: 43 Resp: 2245

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

400

200

0

3.82

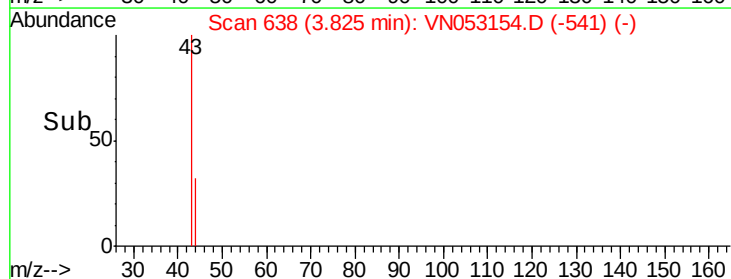
3.75

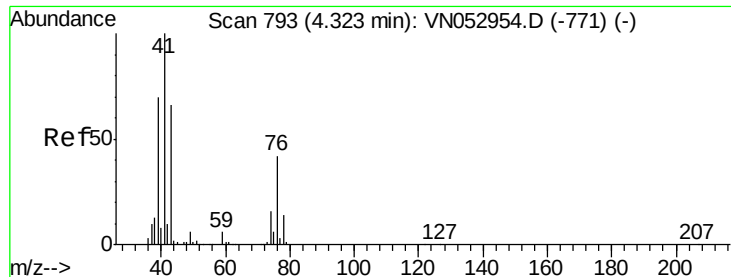
3.80

3.85

3.90

Time-->

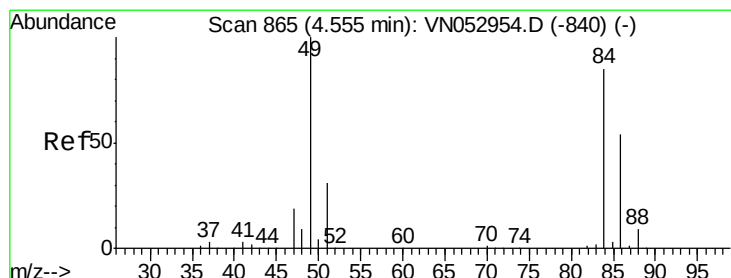
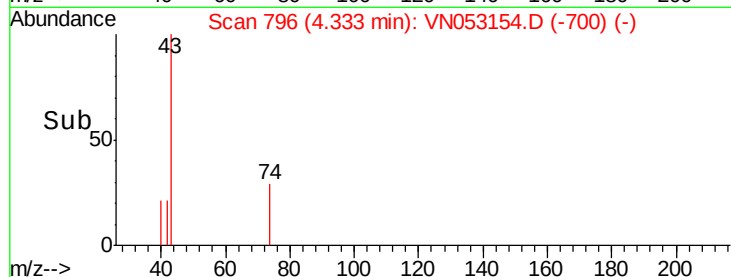
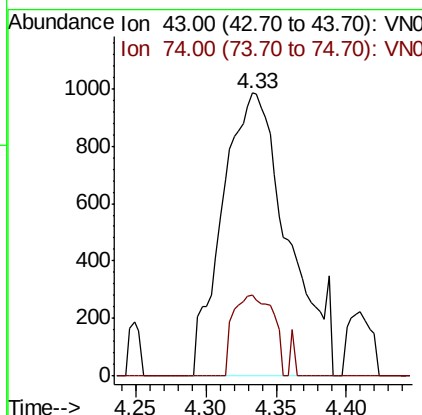
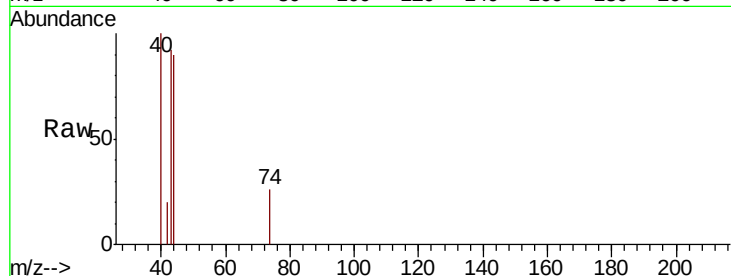




#18
Methyl Acetate
Concen: 1.278 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053154.D
Acq: 23 Dec 2018 1:39

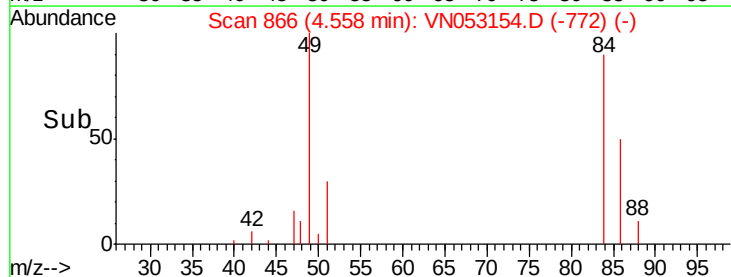
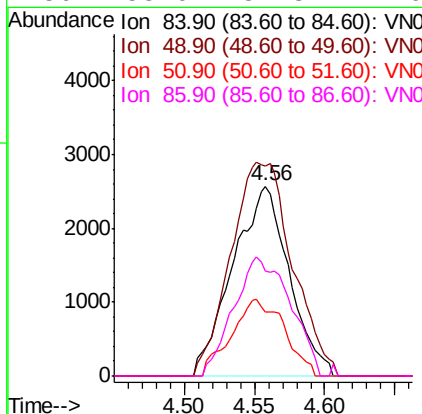
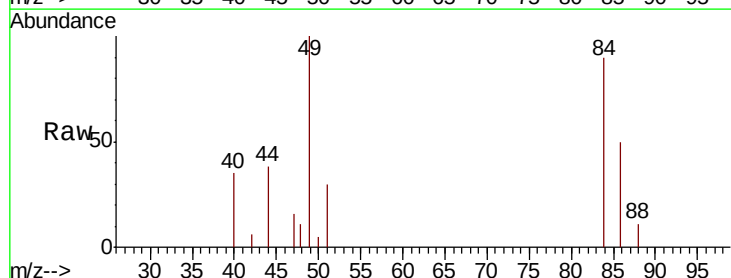
Instrument :
MSVOA_N
ClientSampleId :
P001-SS026-1824-01ME

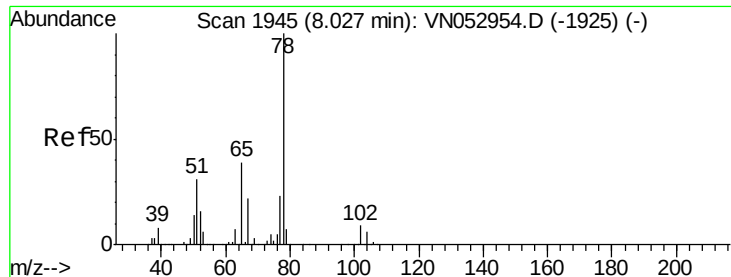
Tot Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
74 17.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.549 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053154.D
Acq: 23 Dec 2018 1:39

Tgt Ion: 84 Resp: 7188
Ion Ratio Lower Upper
84 100
49 110.8 96.8 145.2
51 33.6 29.9 44.9
86 55.0 51.8 77.6

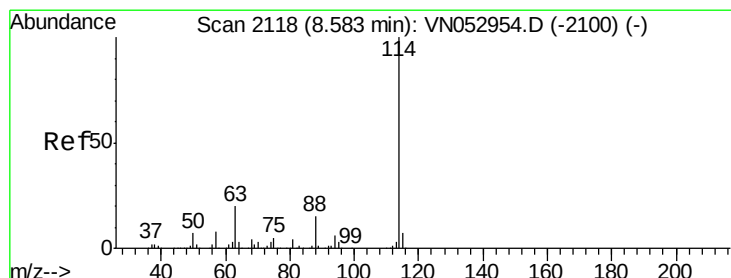
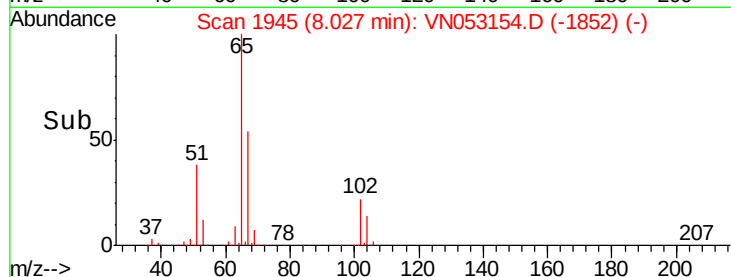
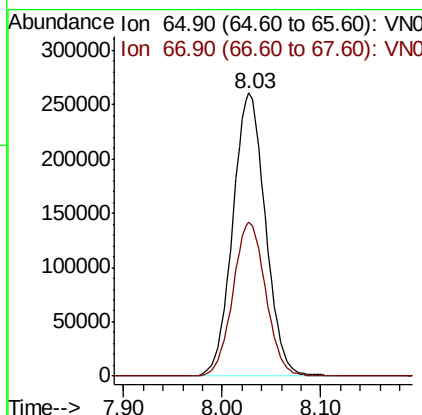
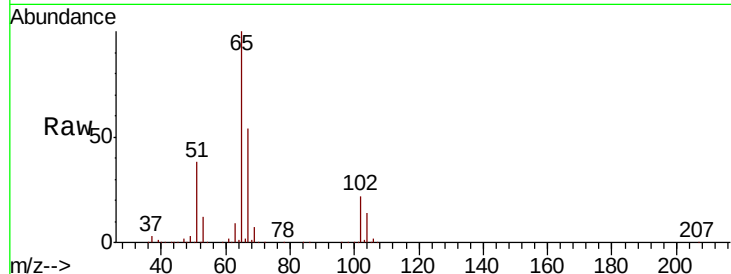




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

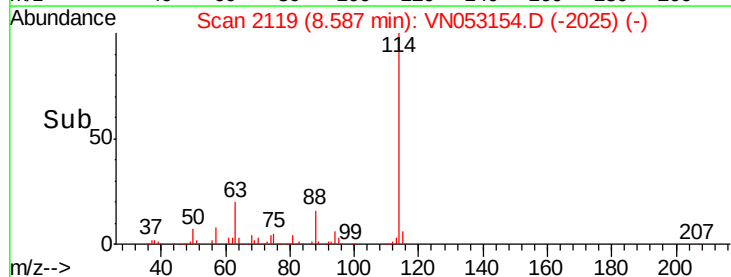
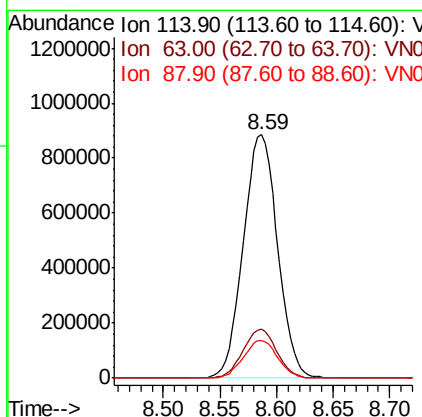
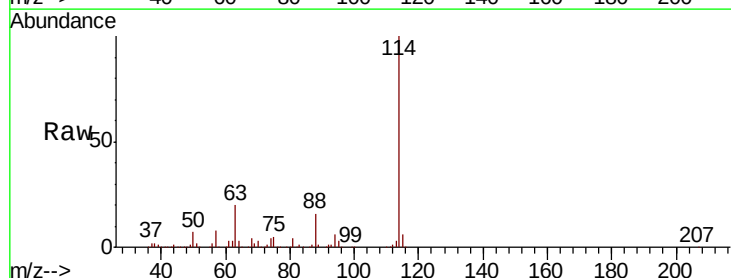
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-1824-01ME

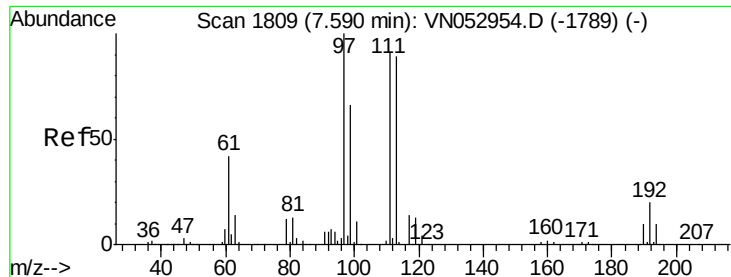
Tot Ion: 65 Resp: 599931
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

Tgt Ion: 114 Resp: 1864749
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.0

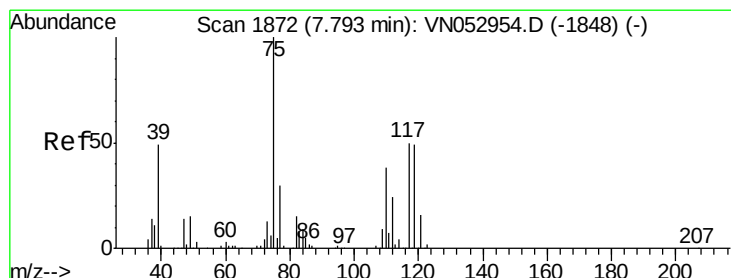
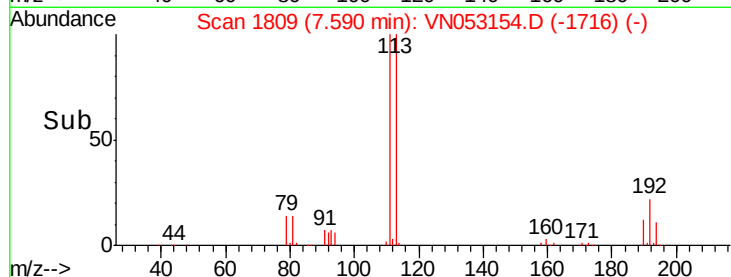
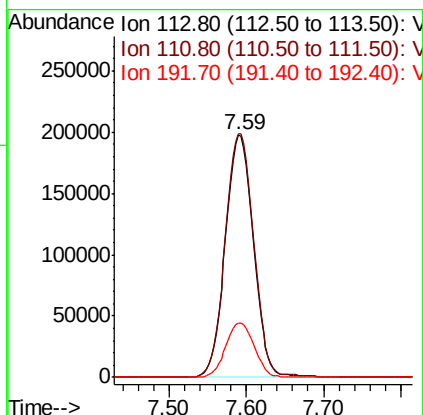
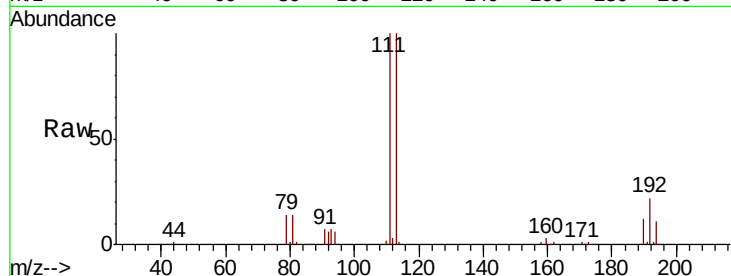




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

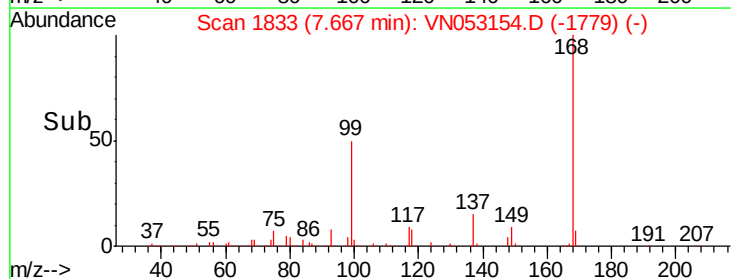
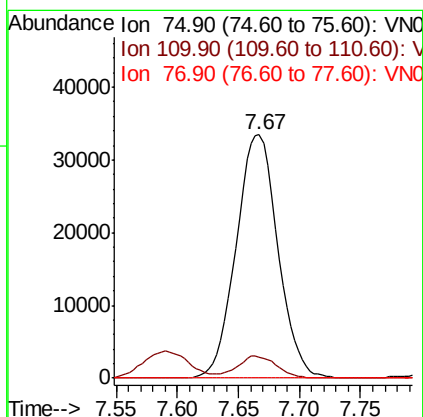
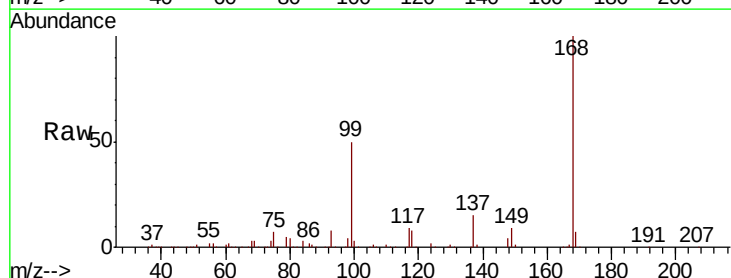
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-1824-01ME

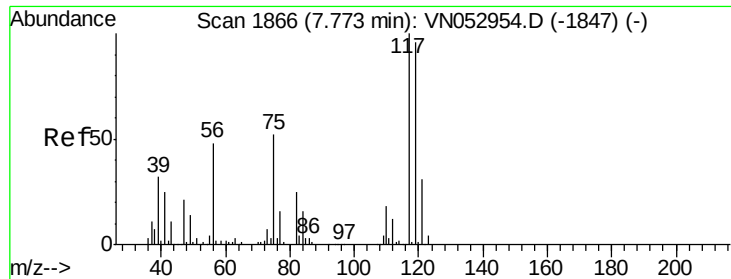
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.7	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.423 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.311 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-1824-01ME

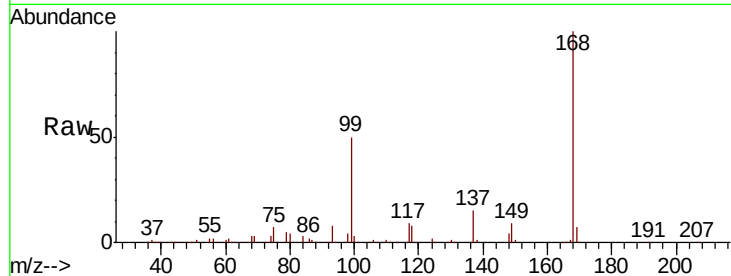
Tot Ion:117 Resp: 103532

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

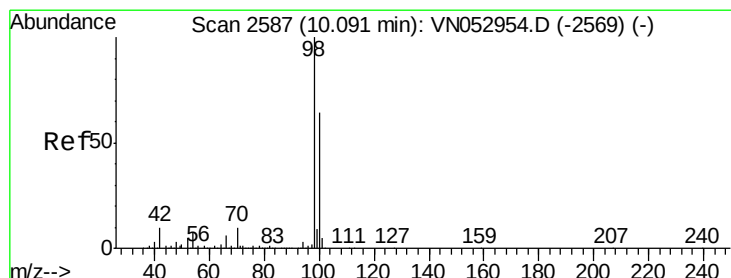
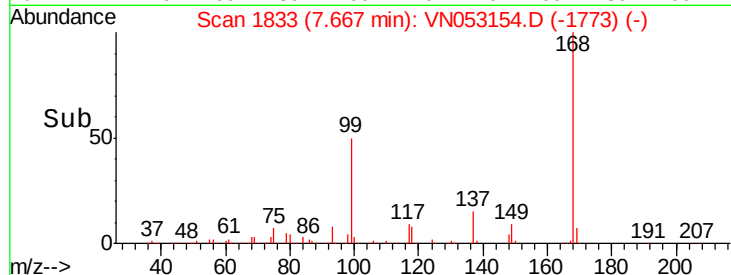
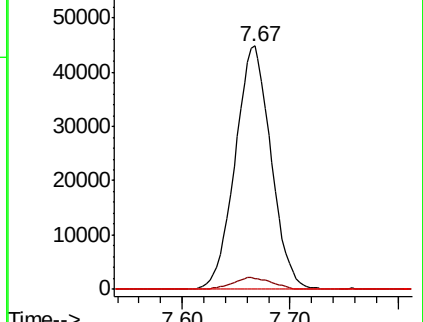
121 0.0 24.9 37.3#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053154.D

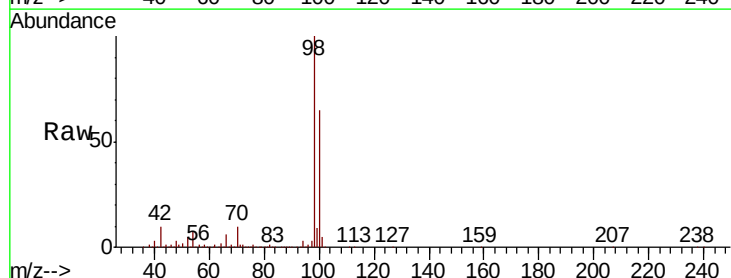
Acq: 23 Dec 2018 1:39

Tgt Ion: 98 Resp: 2278433

Ion Ratio Lower Upper

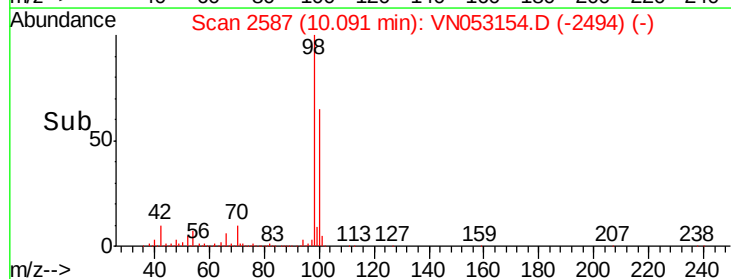
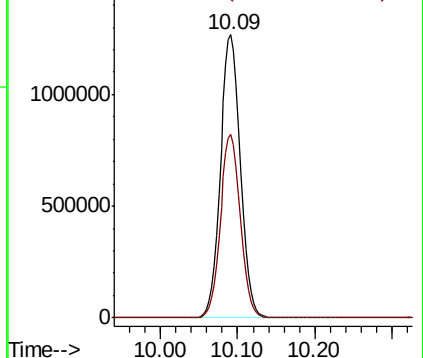
98 100

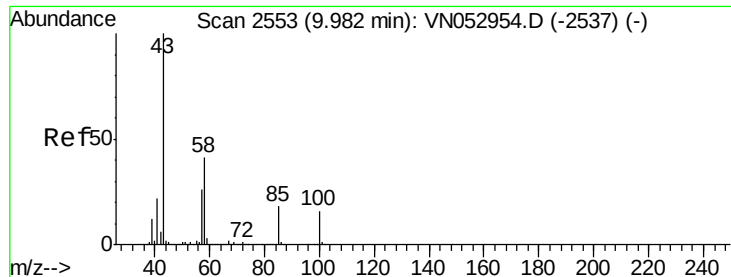
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.959 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

Instrument :

MSVOA_N

ClientSampleId :

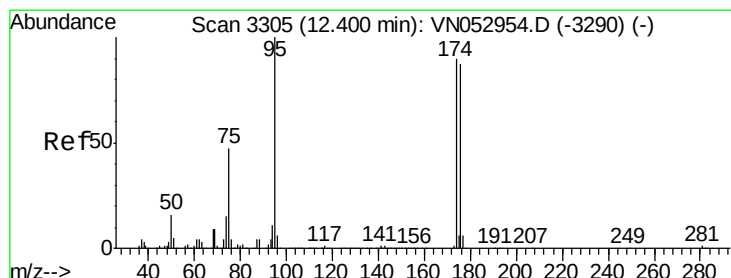
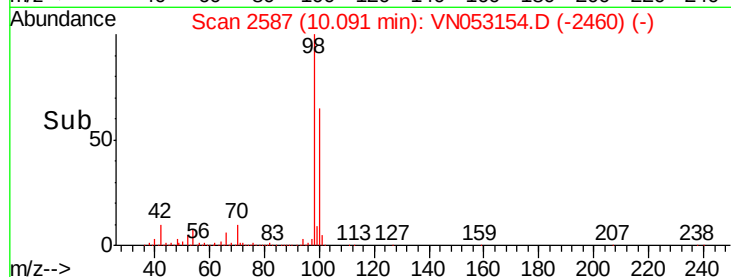
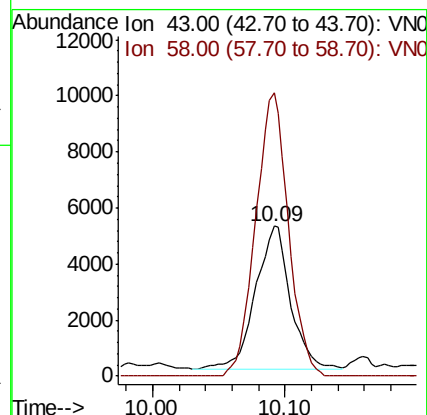
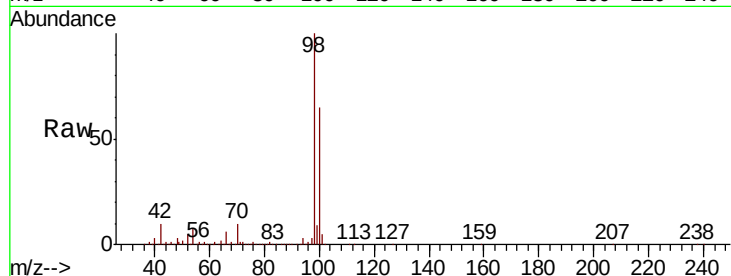
P001-SS026-1824-01ME

Tot Ion: 43 Resp: 9279

Ion Ratio Lower Upper

43 100

58 186.5 32.2 48.4#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

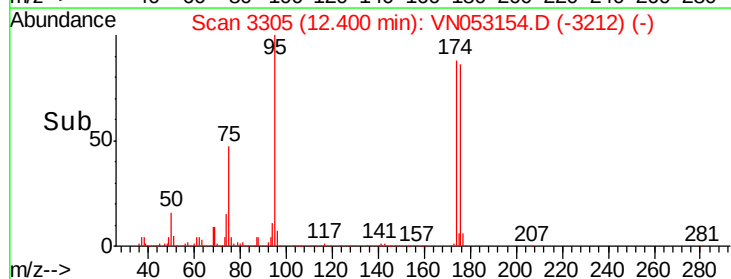
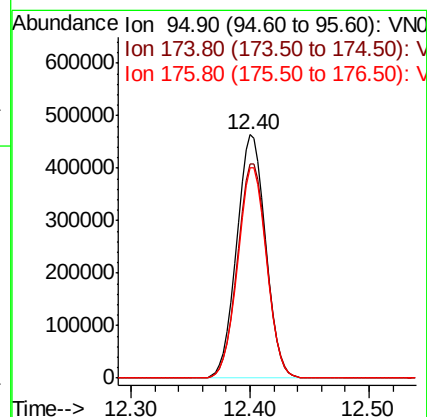
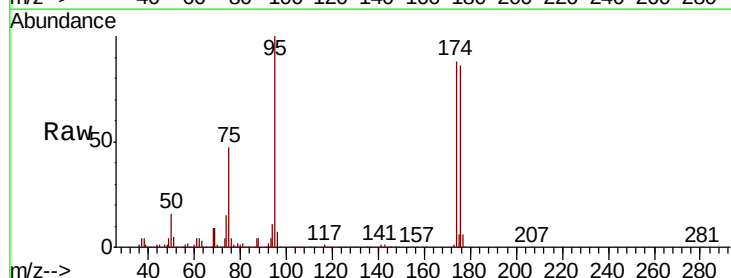
Tgt Ion: 95 Resp: 781660

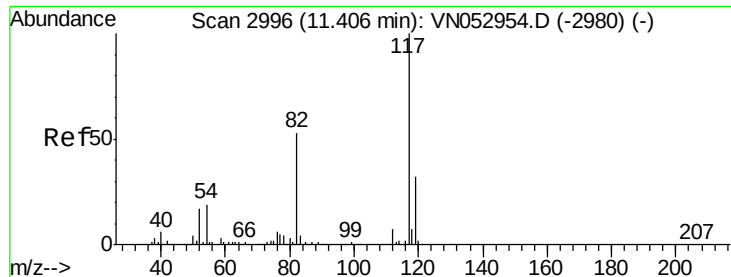
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.8

176 86.4 0.0 173.8

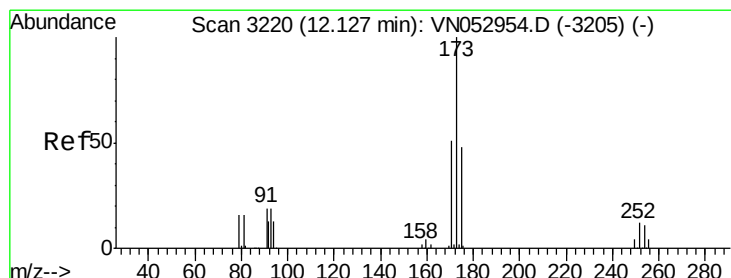
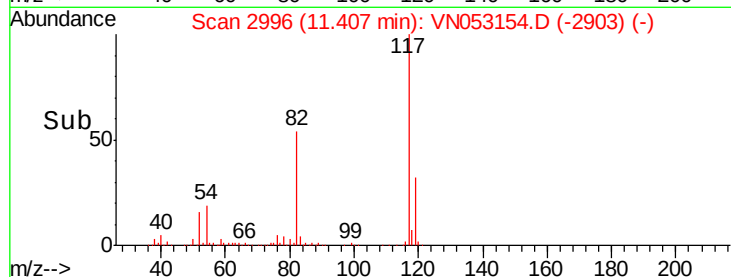
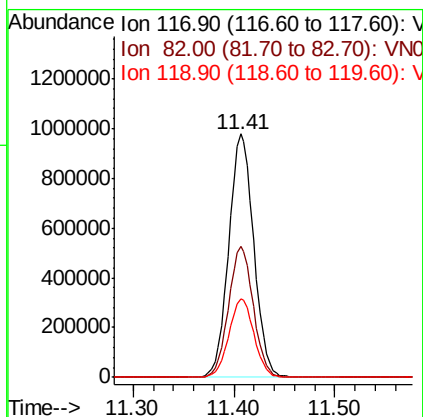
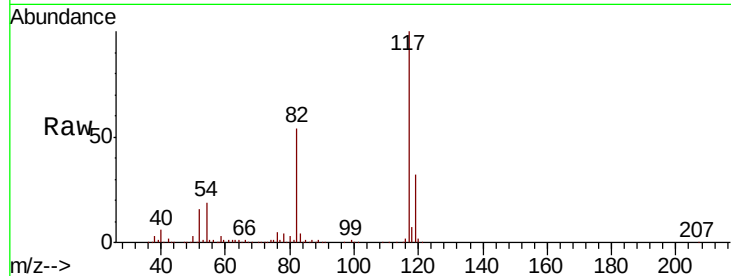




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053154.D
Acq: 23 Dec 2018 1:39

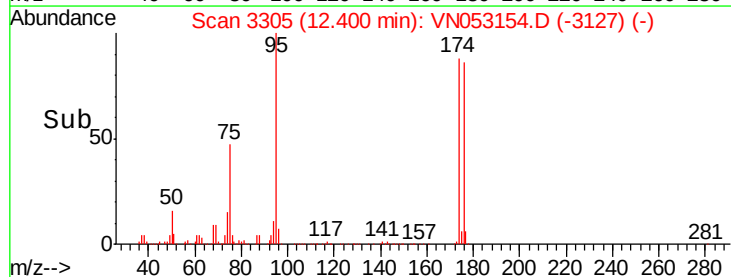
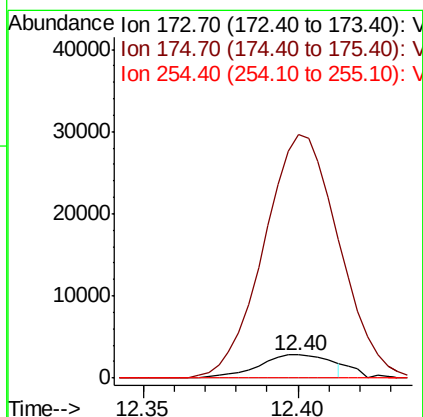
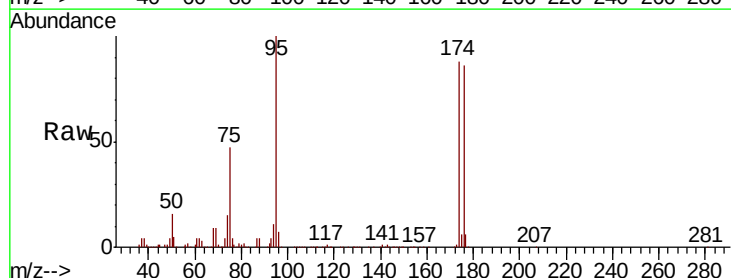
Instrument :
MSVOA_N
ClientSampleId :
P001-SS026-1824-01ME

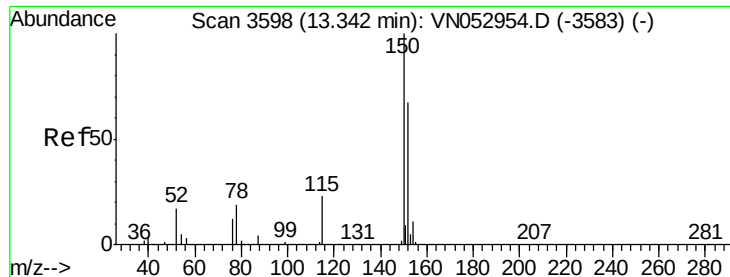
Tot Ion:117 Resp: 1684248
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.481 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053154.D
Acq: 23 Dec 2018 1:39

Tgt Ion:173 Resp: 4507
Ion Ratio Lower Upper
173 100
175 972.6 24.3 72.9#
254 0.0 0.1 0.1#

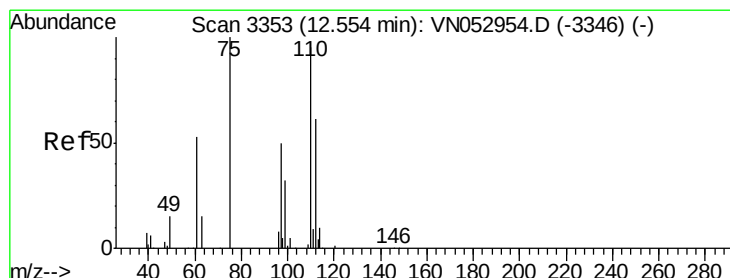
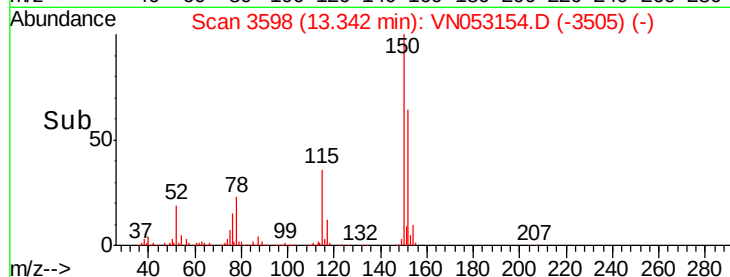
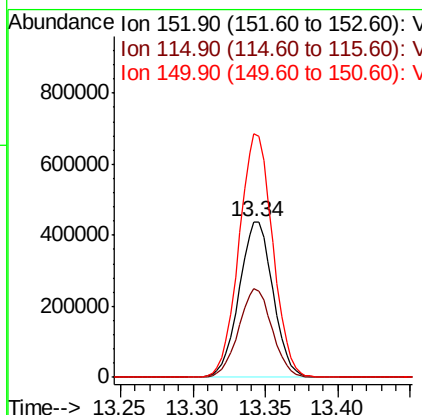
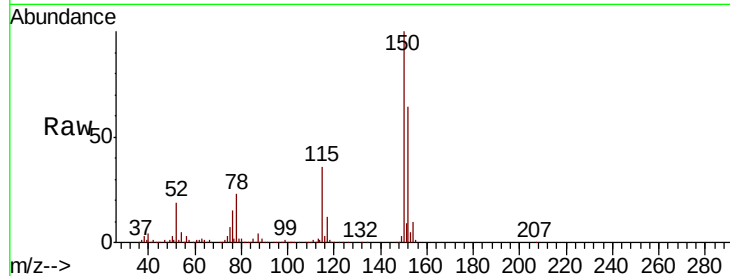




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

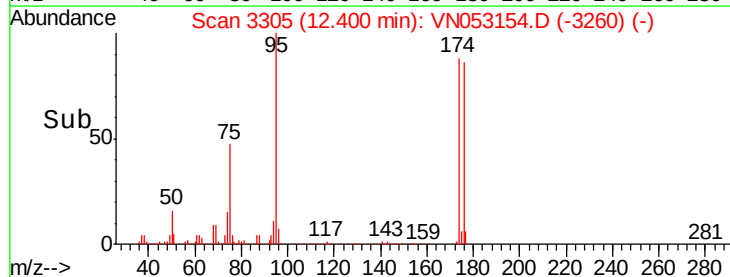
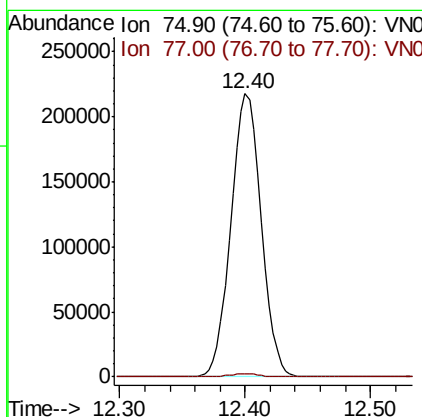
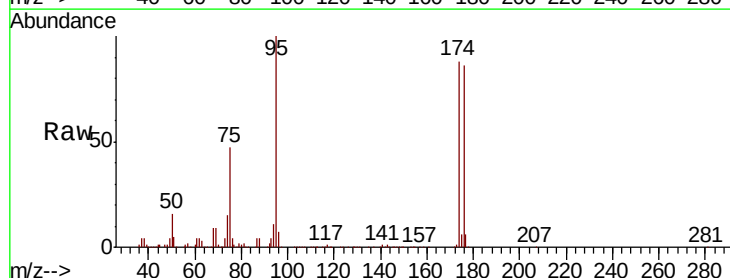
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-1824-01ME

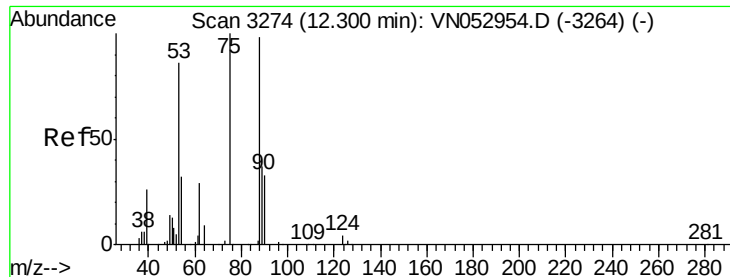
Tot Ion:152 Resp: 709551
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.3 85.0
 150 156.1 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 30.532 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

Tgt Ion: 75 Resp: 364686
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 98.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-1824-01ME

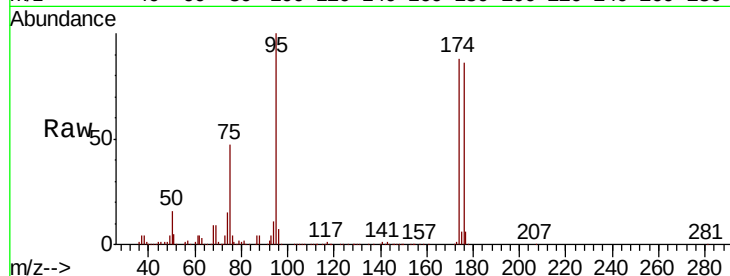
Tot Ion: 75 Resp: 364686

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

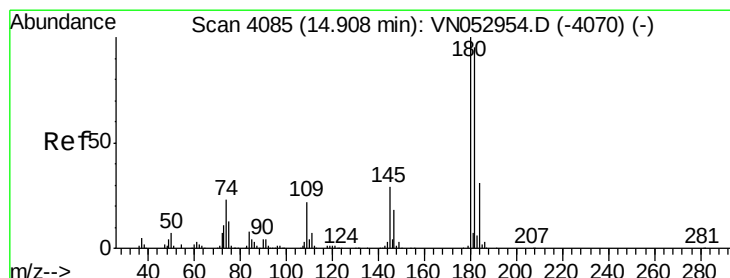
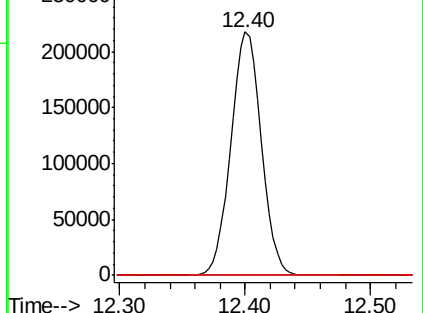
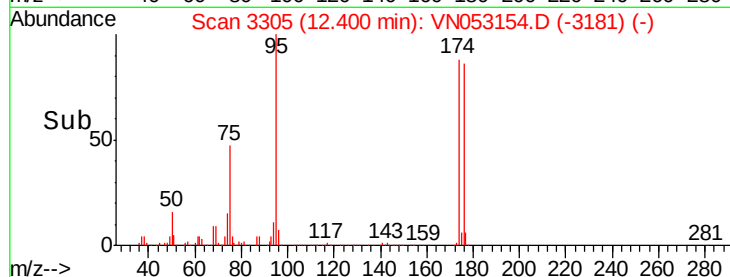
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053154.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN053154.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN053154.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.625 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

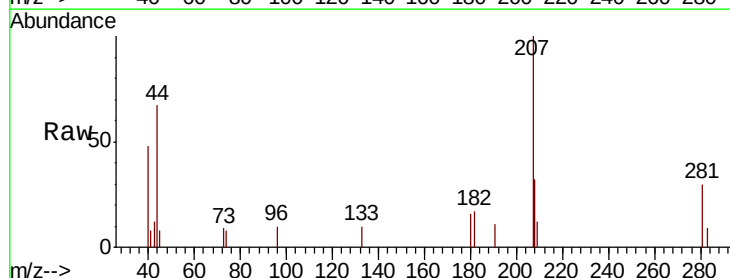
Tgt Ion: 180 Resp: 370

Ion Ratio Lower Upper

180 100

182 144.1 47.8 143.3#

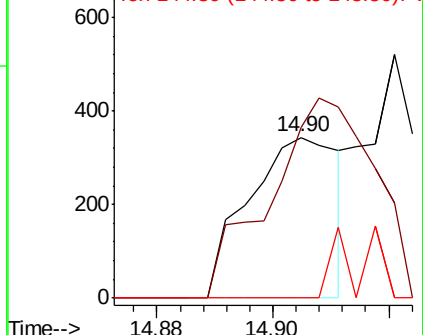
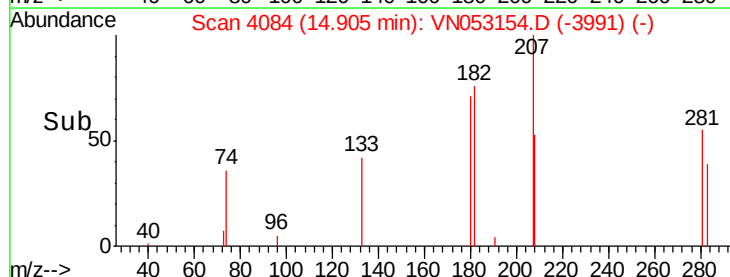
145 0.0 14.2 42.6#

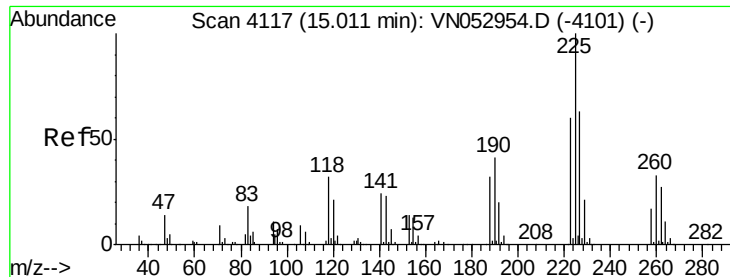


Abundance Ion 179.80 (179.50 to 180.50): VN053154.D (-4084) (-)

Ion 181.80 (181.50 to 182.50): VN053154.D (-4084) (-)

Ion 144.80 (144.50 to 145.50): VN053154.D (-4084) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-1824-01ME

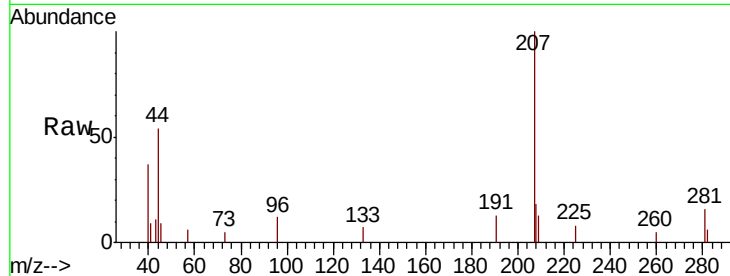
Tot Ion:225 Resp: 109

Ion Ratio Lower Upper

225 100

223 0.0 31.5 94.5#

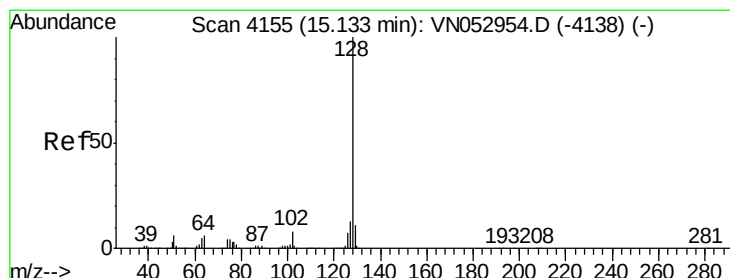
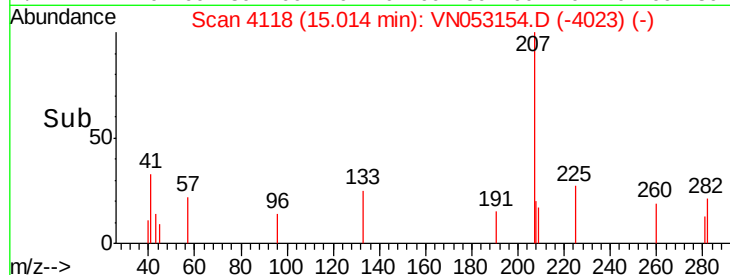
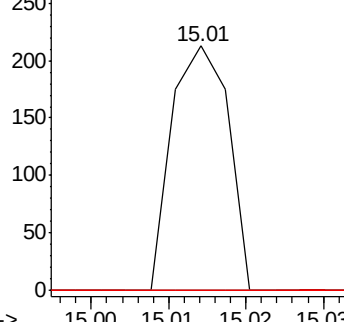
227 0.0 31.9 95.7#



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: 1.242 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053154.D

Acq: 23 Dec 2018 1:39

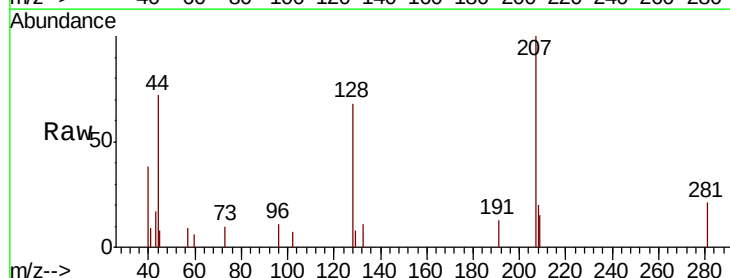
Tgt Ion:128 Resp: 2727

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

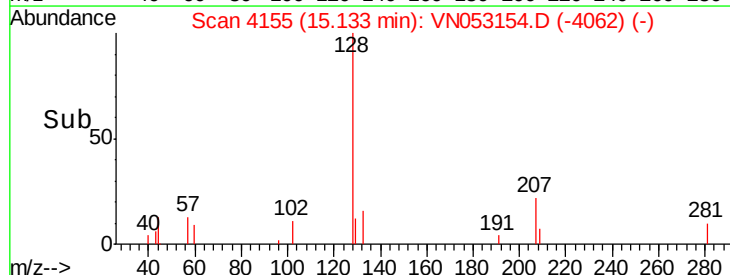
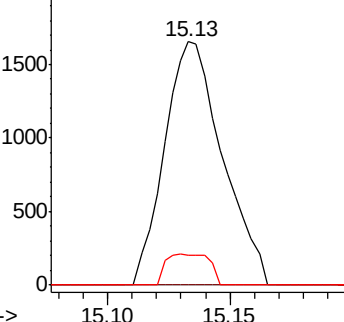
129 9.4 8.6 13.0

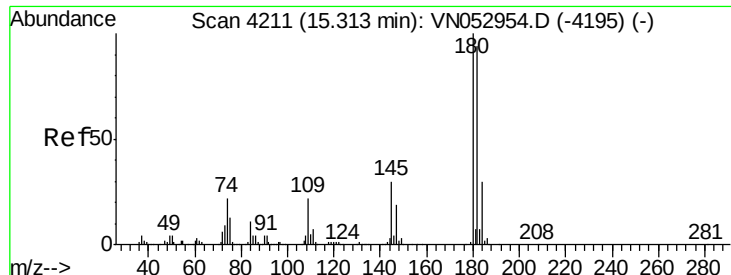


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

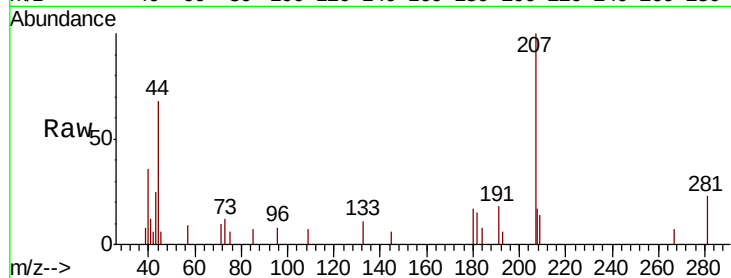




#96
 1,2,3-Trichlorobenzene
 Concen: 0.572 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053154.D
 Acq: 23 Dec 2018 1:39

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-1824-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.1	47.9	143.7
145	19.8	15.0	45.0



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

