

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054717.D
 Acq On : 27 Mar 2019 13:05
 Operator : JC/SP
 Sample : K2093-17DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

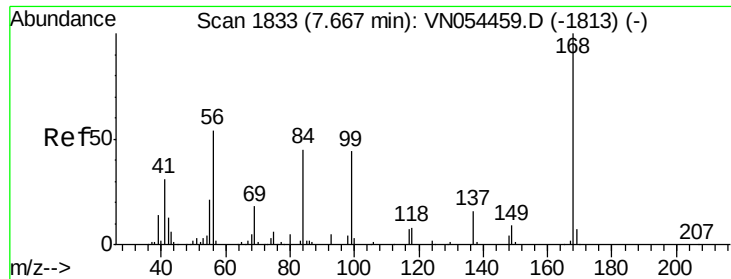
Quant Time: Mar 28 04:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	535363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262129	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	347355	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	274833	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	10.09	98	1040409	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	322478	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	200	0.359	ug/l	97
16) Acetone	3.81	43	452	0.226	ug/l #	74
18) Methyl Acetate	4.33	43	1885	0.422	ug/l #	49
20) Methylene Chloride	4.55	84	1487	0.252	ug/l #	81
31) Cyclohexane	7.67	56	11937	Below Cal	#	35
36) 1,1-Dichloropropene	7.67	75	41423	5.140	ug/l #	48
38) Carbon Tetrachloride	7.66	117	48692	6.218	ug/l #	17
52) Toluene	10.16	92	252288	17.801	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	2888	2.573	ug/l #	1
59) 2-Hexanone	10.76	43	1484	0.424	ug/l #	33
71) Bromoform	12.39	173	414	2.327	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	168894	40.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168894	134.267	ug/l #	11
94) Hexachlorobutadiene	15.02	225	61	Below Cal	#	19

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

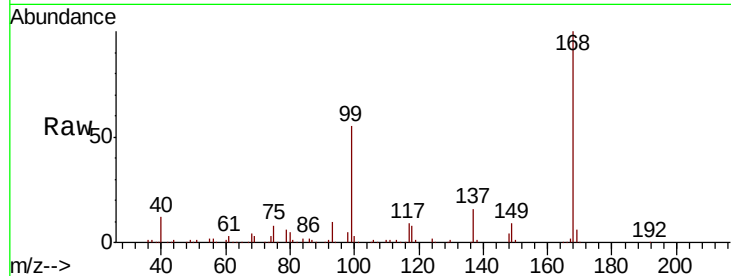
ClientSampled :

Tot Ion:168 Resp: 535363

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

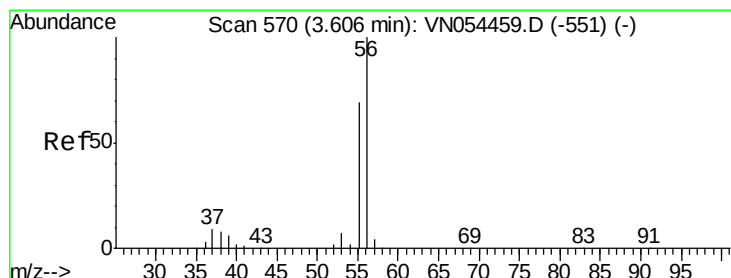
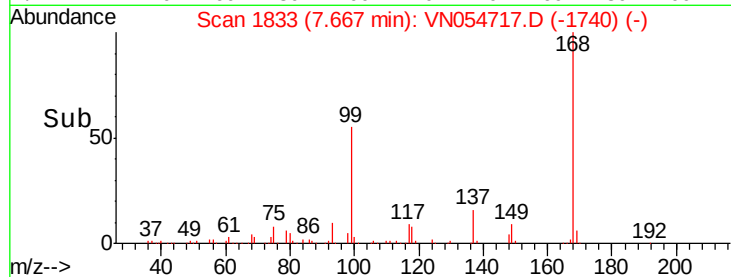
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.359 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054717.D

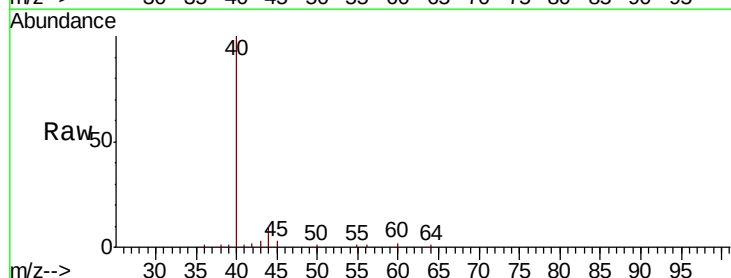
Acq: 27 Mar 2019 13:05

Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 68.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

300

250

200

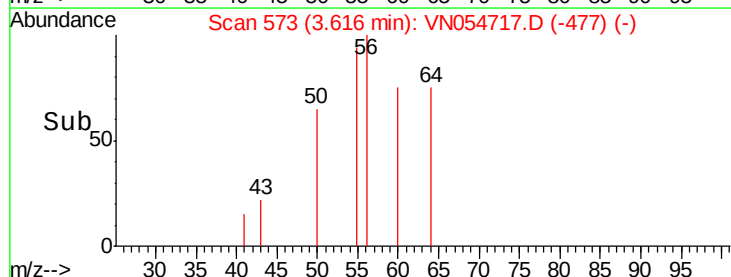
150

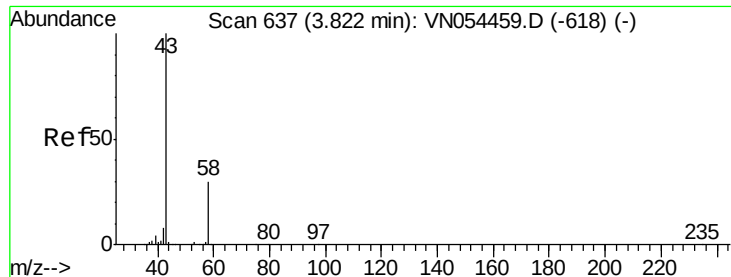
100

50

0

Time-->





#16

Acetone

Concen: 0.226 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

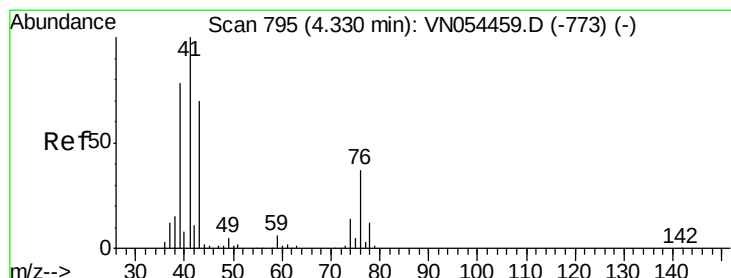
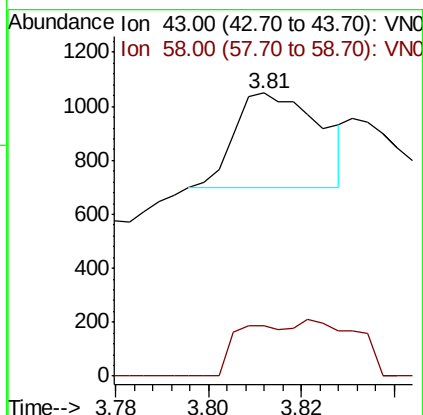
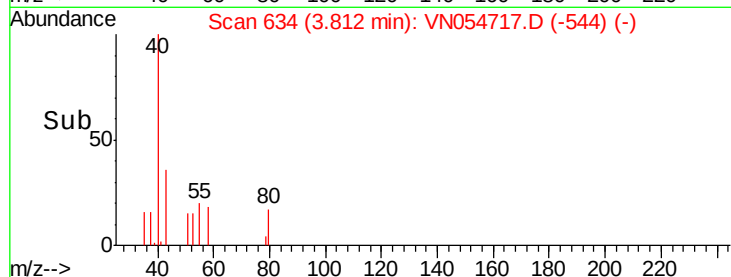
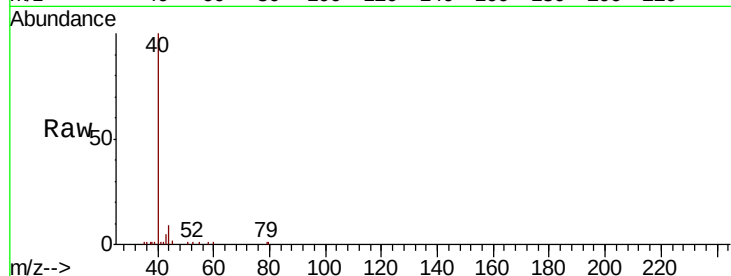
ClientSampleId :

Tot Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 53.0 29.9 44.9#



#18

Methyl Acetate

Concen: 0.422 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054717.D

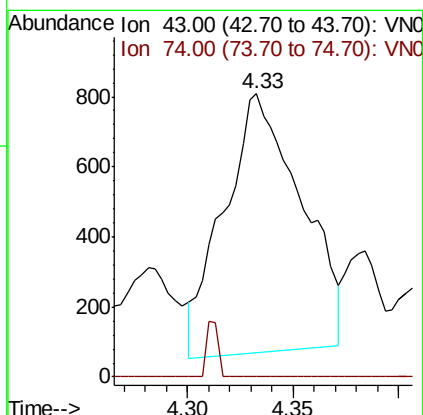
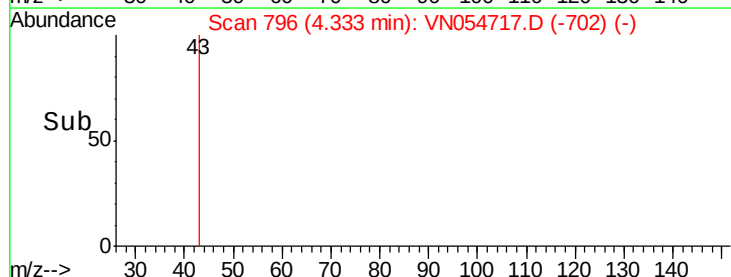
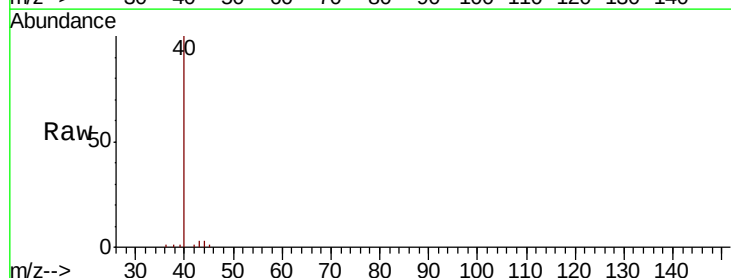
Acq: 27 Mar 2019 13:05

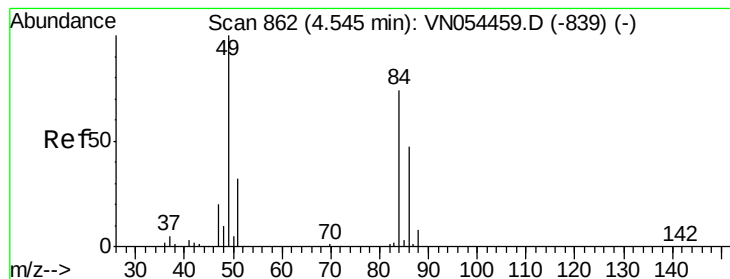
Tgt Ion: 43 Resp: 1885

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#





#20

Methylene Chloride

Concen: 0.252 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 1487

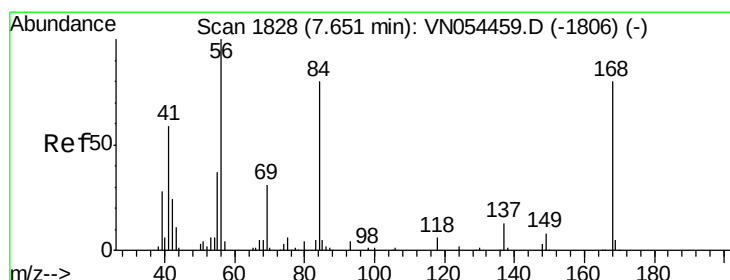
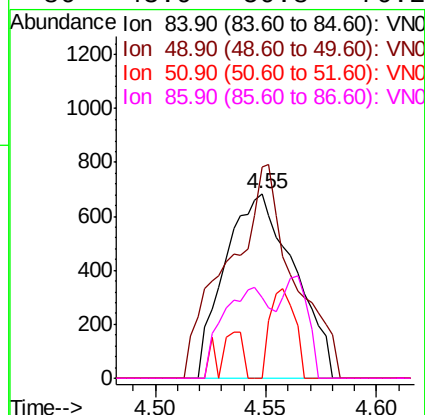
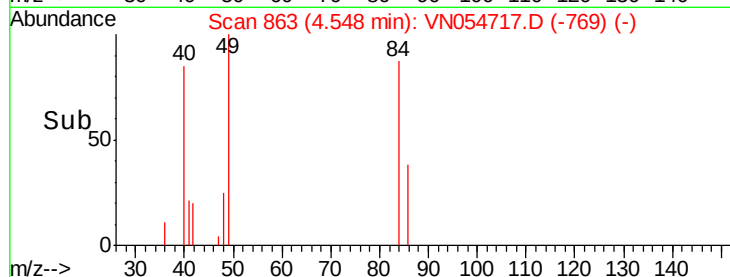
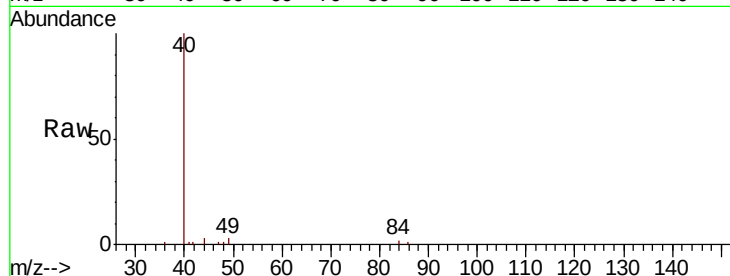
Ion Ratio Lower Upper

84 100

49 114.8 89.7 134.5

51 0.0 28.2 42.4#

86 43.9 50.8 76.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

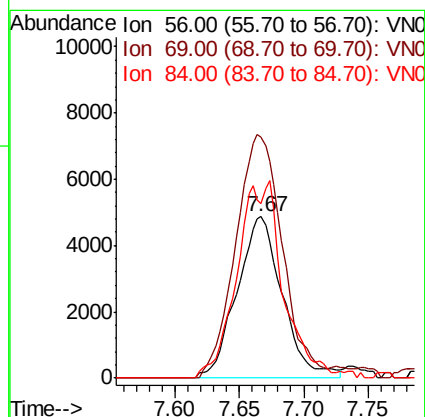
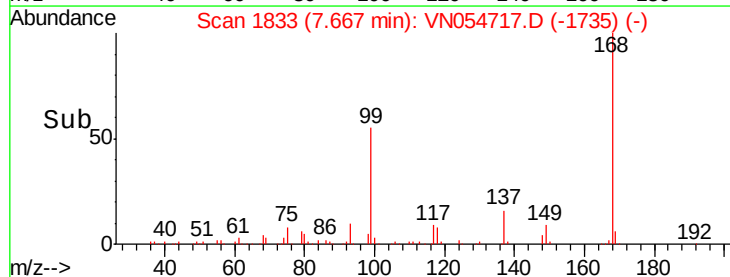
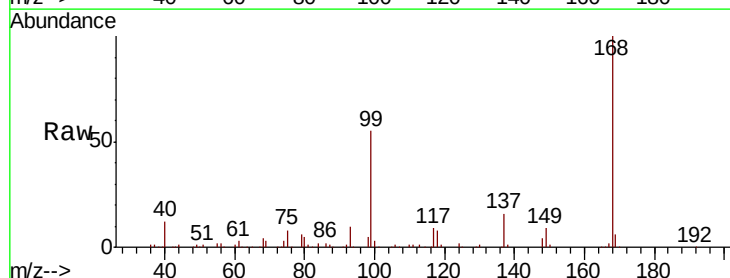
Tgt Ion: 56 Resp: 11937

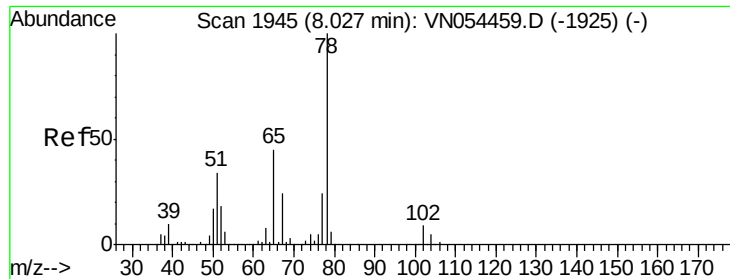
Ion Ratio Lower Upper

56 100

69 149.4 27.8 41.6#

84 107.8 74.6 111.8

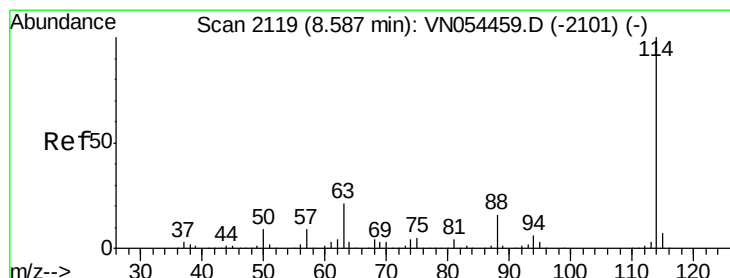
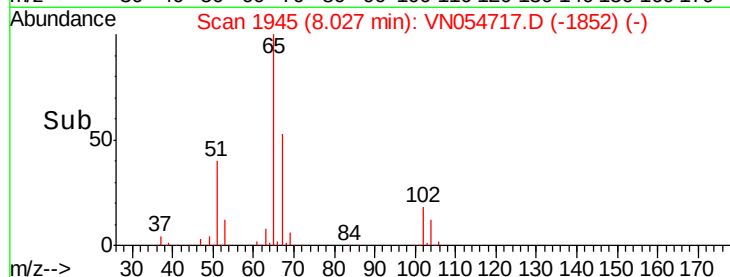
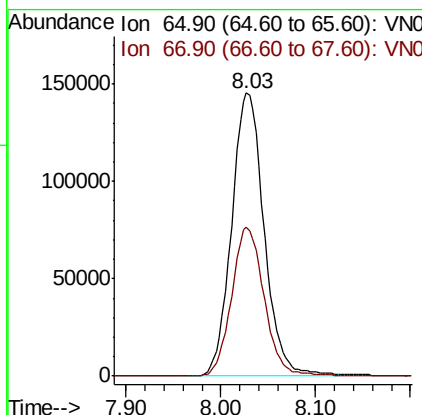
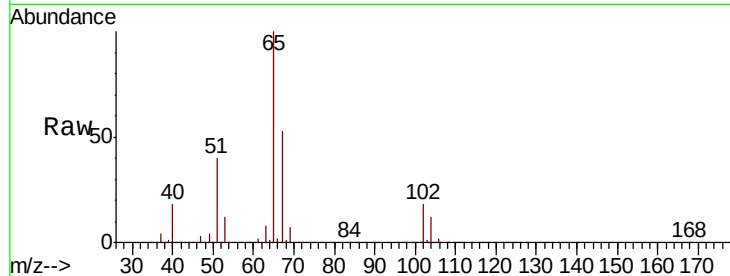




#33
 1,2-Dichloroethane-d4
 Concen: 52.163 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054717.D
 Acq: 27 Mar 2019 13:05

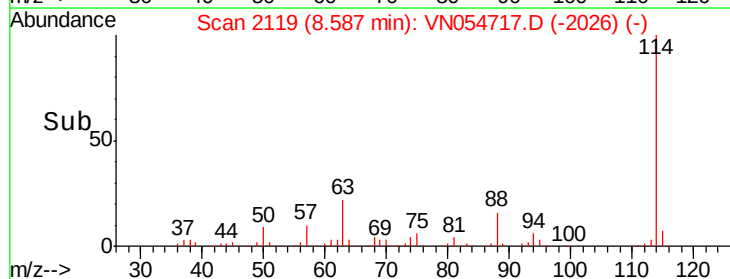
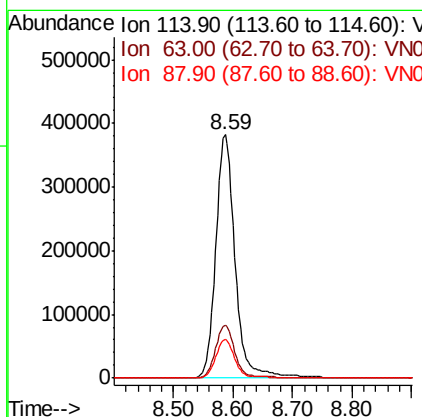
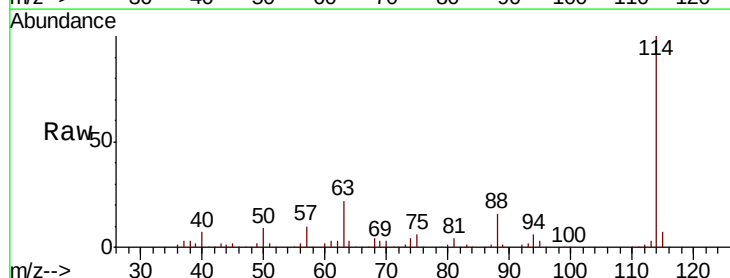
Instrument :
 MSVOA_N
 ClientSampleId :

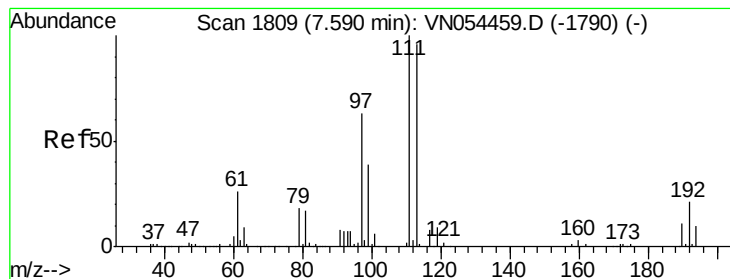
Tot Ion: 65 Resp: 347355
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054717.D
 Acq: 27 Mar 2019 13:05

Tgt Ion: 114 Resp: 861854
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 35.2
 88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.497 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

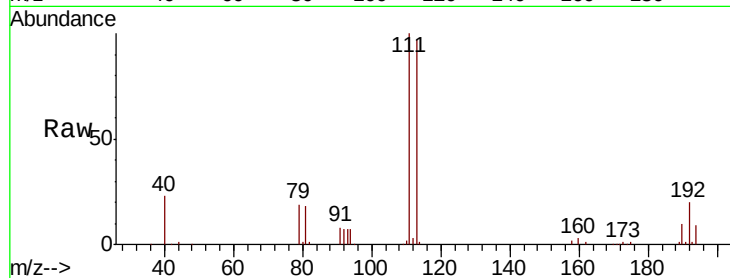
Tot Ion:113 Resp: 274833

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

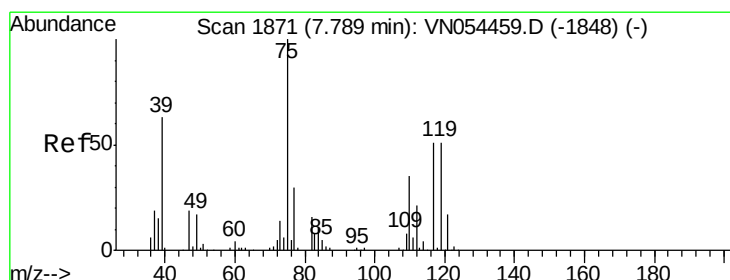
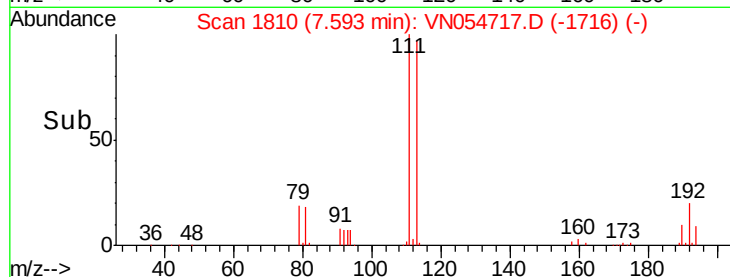
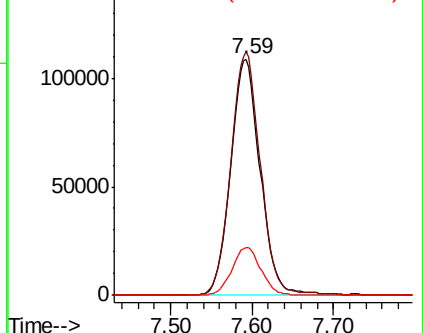
192 19.9 19.2 28.8



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: 5.140 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

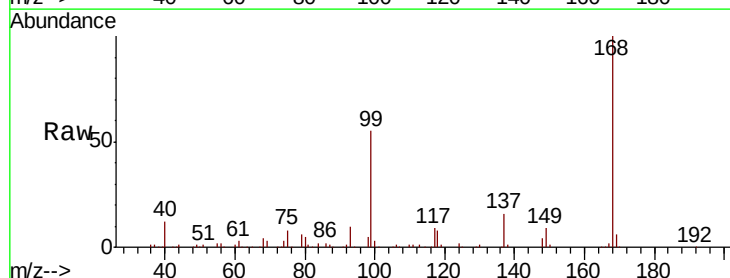
Tgt Ion: 75 Resp: 41423

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.5#

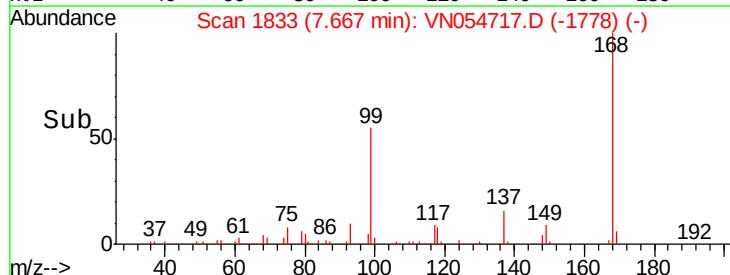
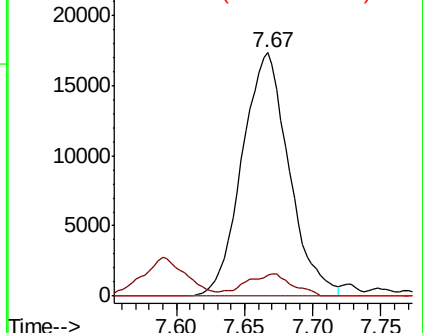
77 0.0 25.0 37.4#

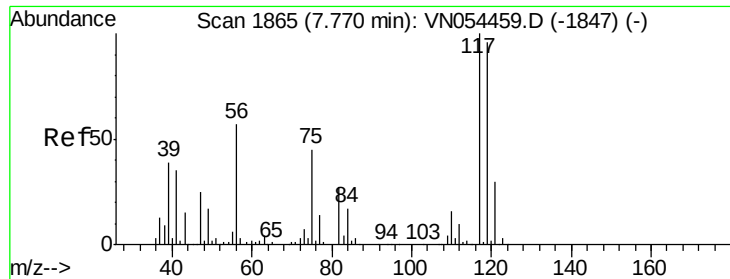


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.218 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

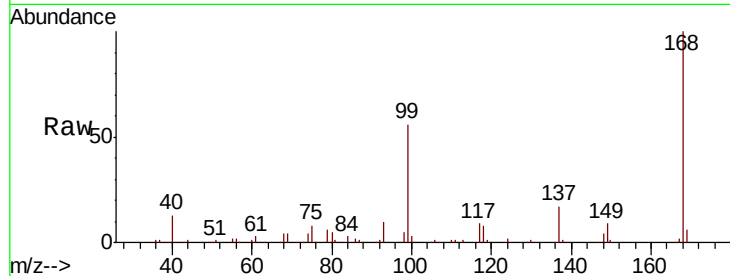
Tot Ion:117 Resp: 48692

Ion Ratio Lower Upper

117 100

119 6.5 76.3 114.5#

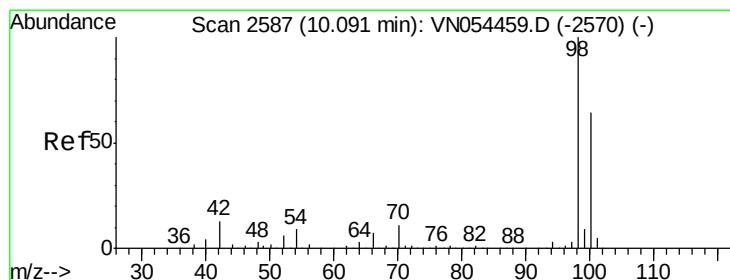
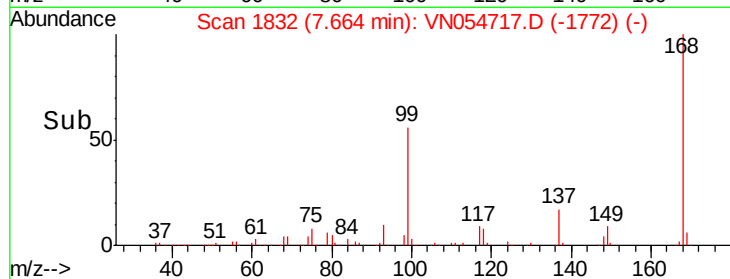
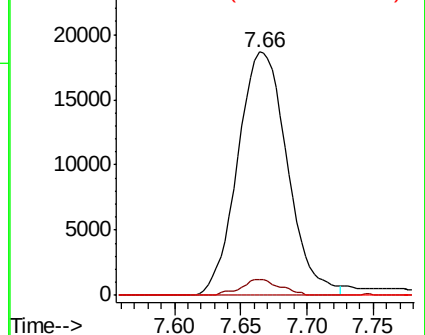
121 0.0 24.6 36.8#



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: 49.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054717.D

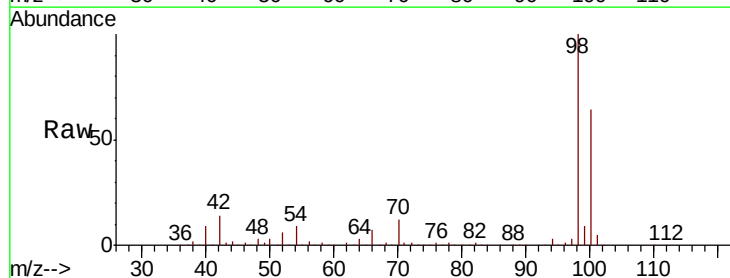
Acq: 27 Mar 2019 13:05

Tgt Ion: 98 Resp: 1040409

Ion Ratio Lower Upper

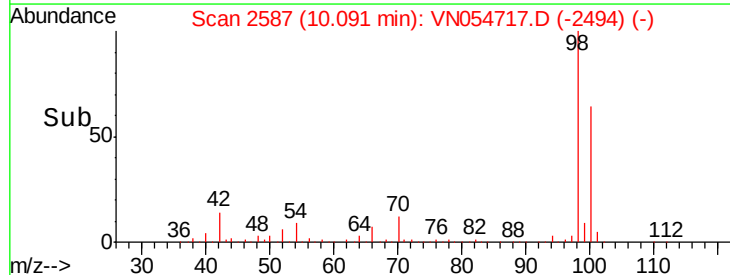
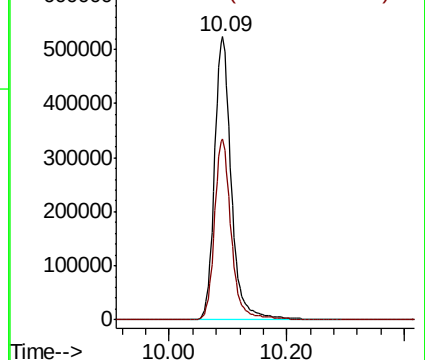
98 100

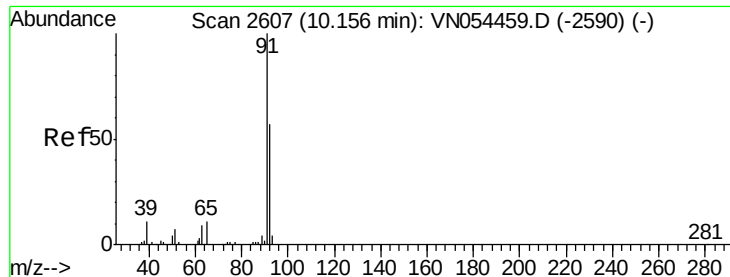
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 17.801 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

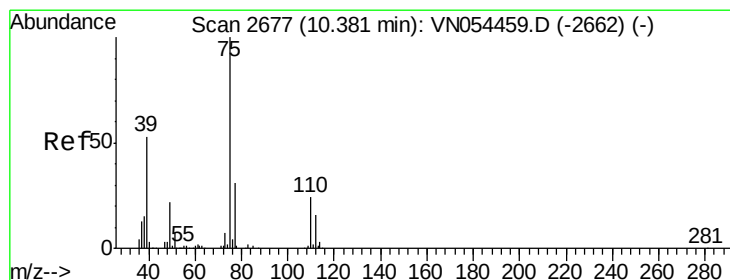
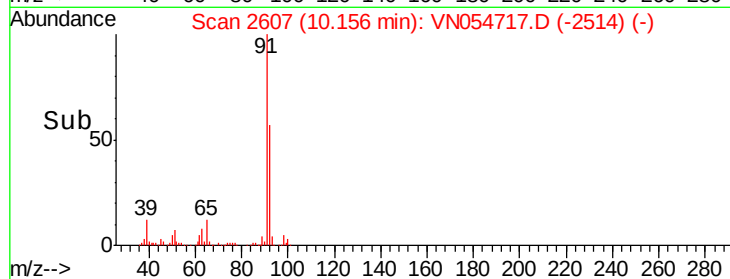
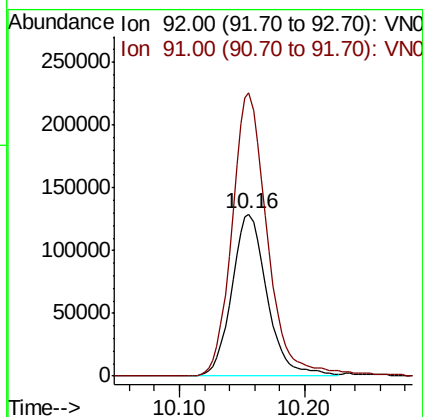
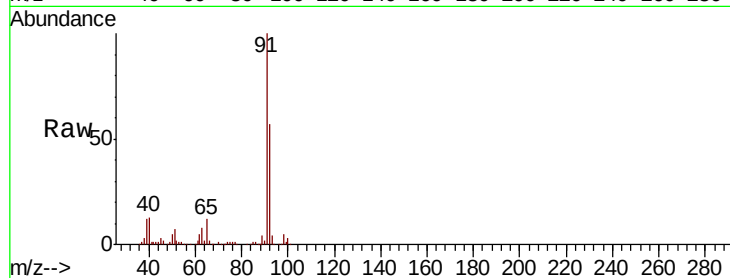
ClientSampled :

Tot Ion: 92 Resp: 252288

Ion Ratio Lower Upper

92 100

91 175.3 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.573 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN054717.D

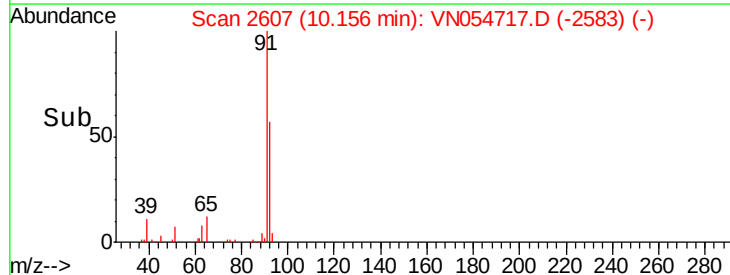
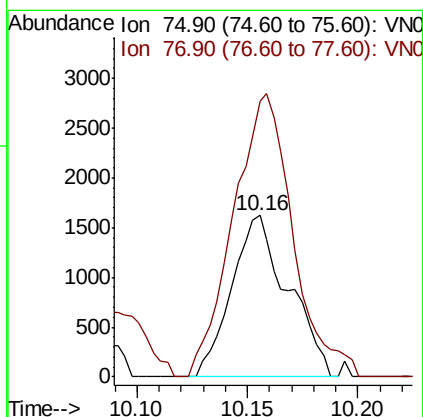
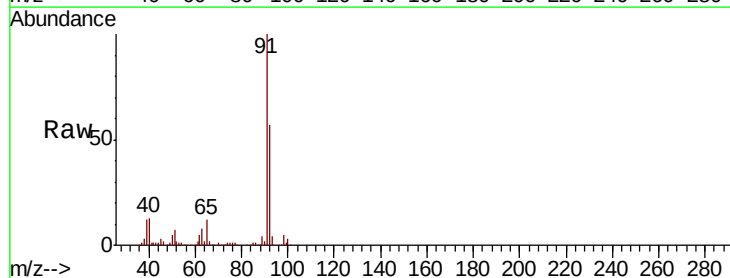
Acq: 27 Mar 2019 13:05

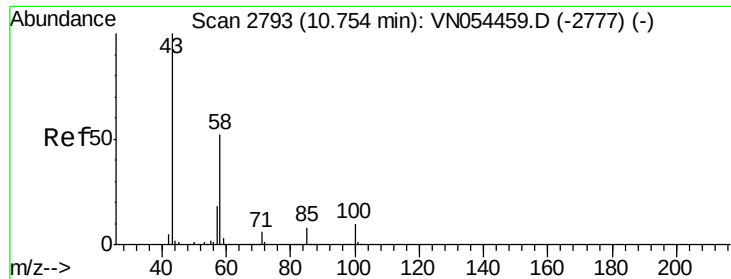
Tgt Ion: 75 Resp: 2888

Ion Ratio Lower Upper

75 100

77 171.1 25.8 38.8#

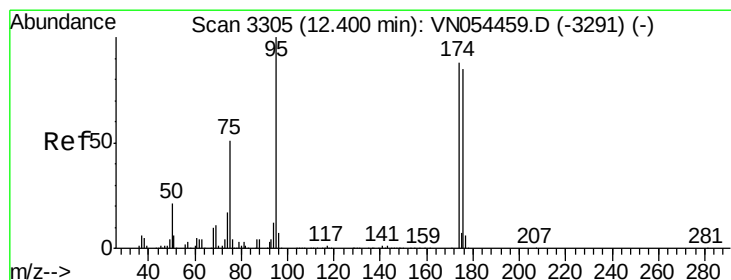
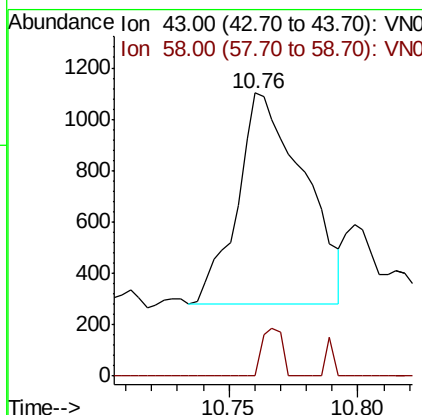
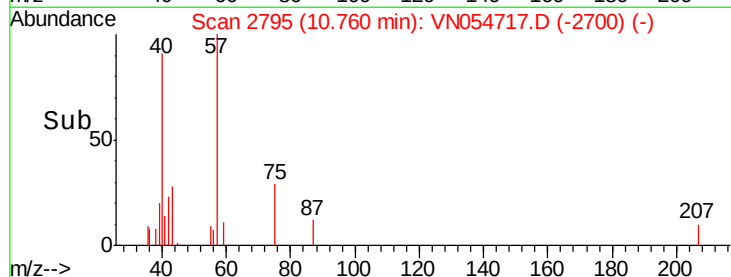
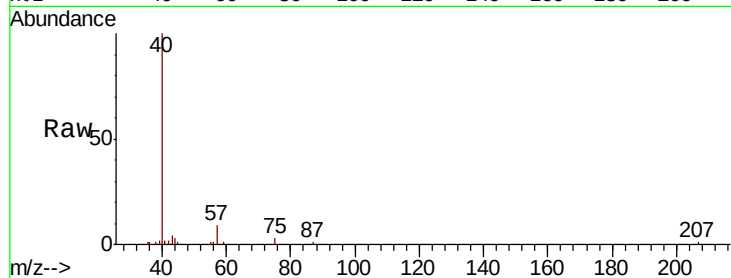




#59
2-Hexanone
Concen: 0.424 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

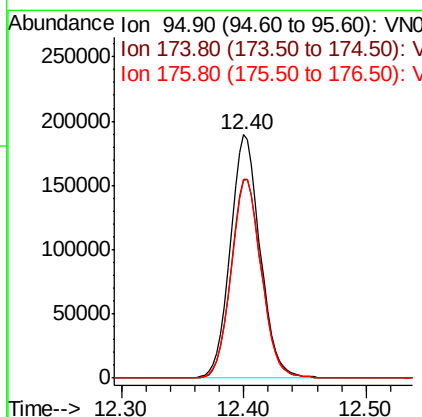
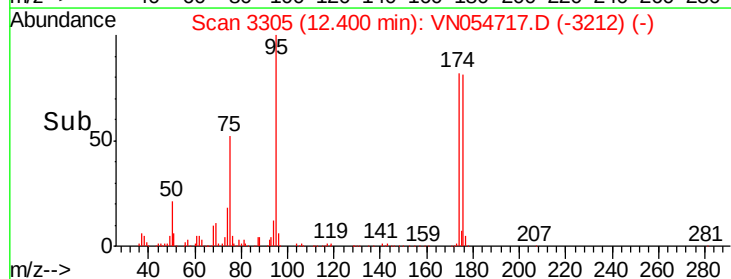
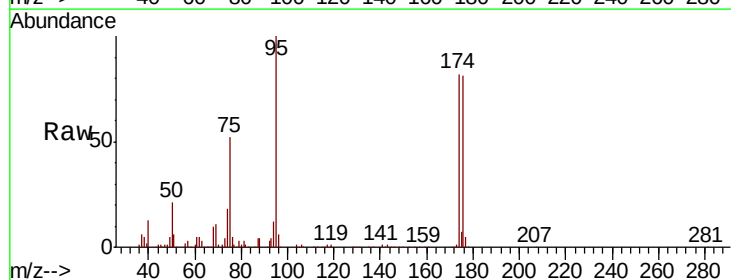
Instrument :
MSVOA_N
ClientSampled :

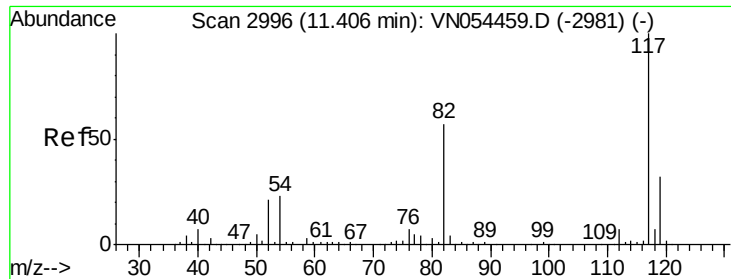
Tot Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 6.8 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 45.400 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

Tgt Ion: 95 Resp: 322478
Ion Ratio Lower Upper
95 100
174 83.3 0.0 191.0
176 82.1 0.0 187.4

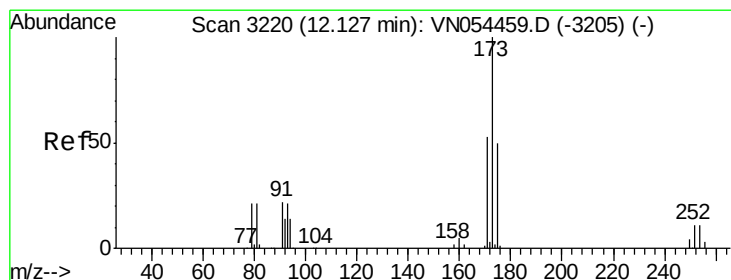
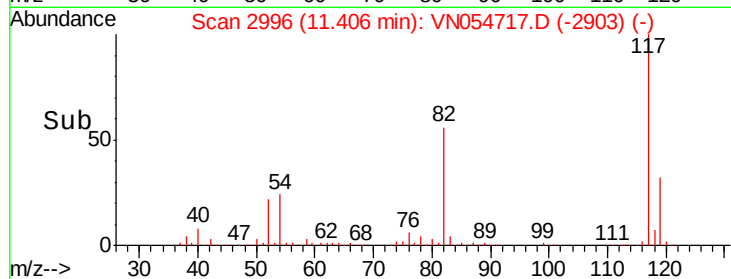
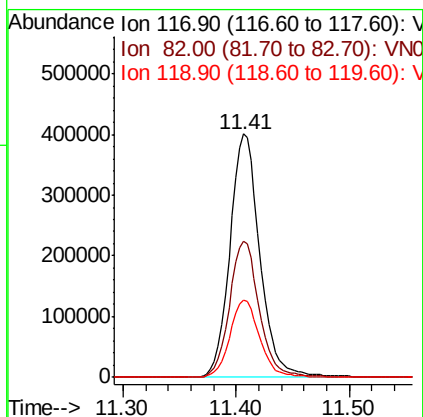
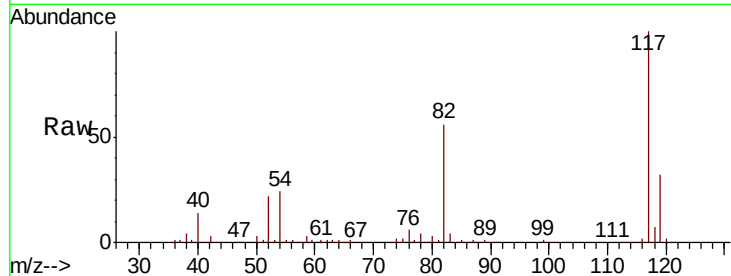




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

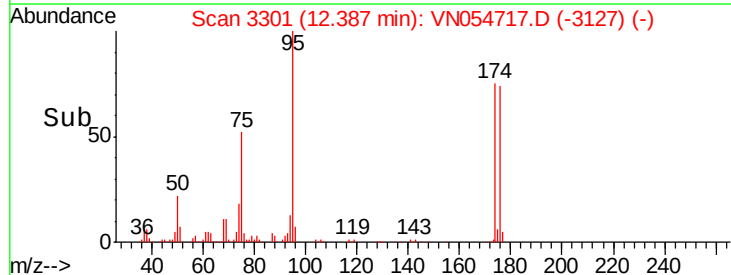
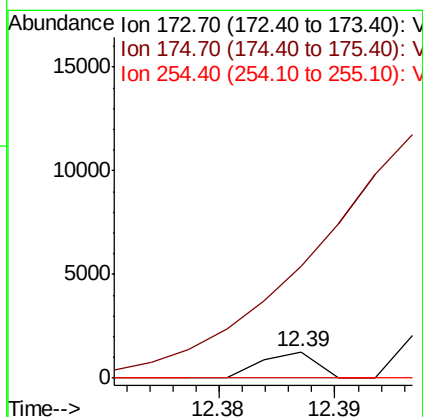
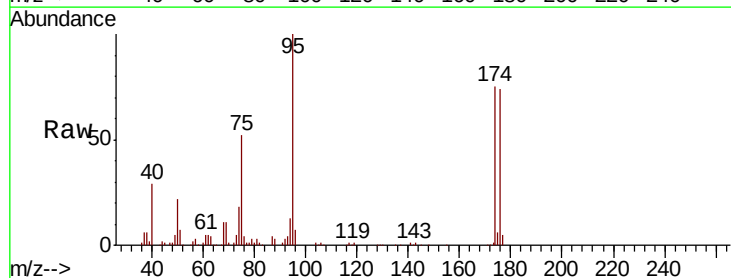
Instrument :
MSVOA_N
ClientSampleId :

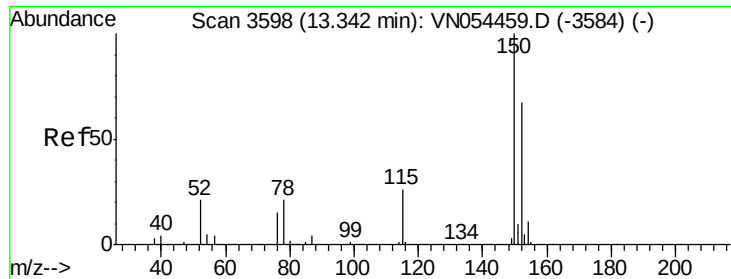
Tot Ion:117 Resp: 737106
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 31.8 25.8 38.6



#71
Bromoform
Concen: 2.327 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

Tgt Ion:173 Resp: 414
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
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: VN054717.D

Acq: 27 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

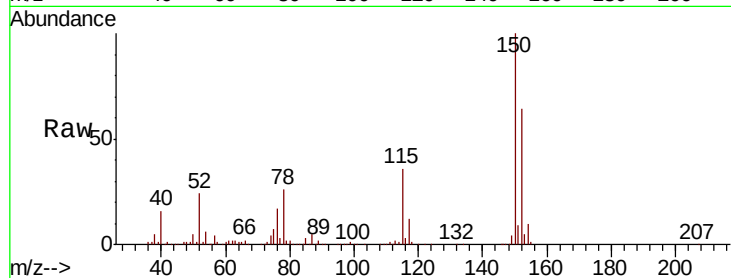
Tot Ion:152 Resp: 262129

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

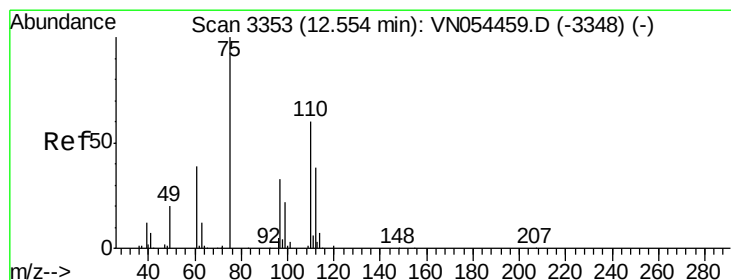
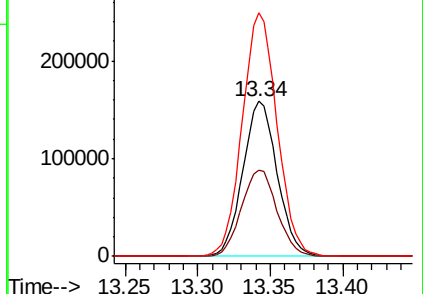
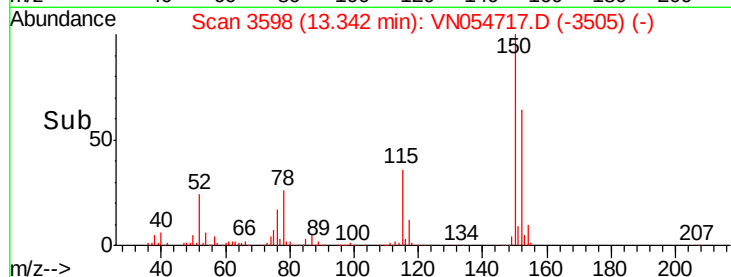
150 159.0 0.0 349.2



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: 40.604 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054717.D

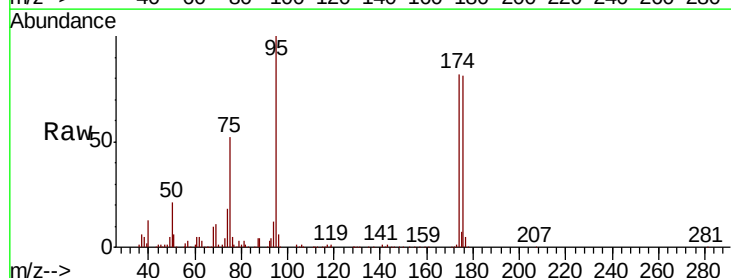
Acq: 27 Mar 2019 13:05

Tgt Ion: 75 Resp: 168894

Ion Ratio Lower Upper

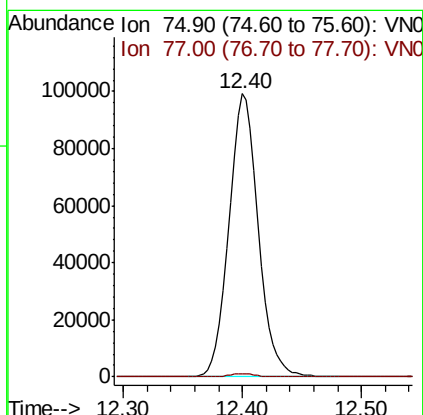
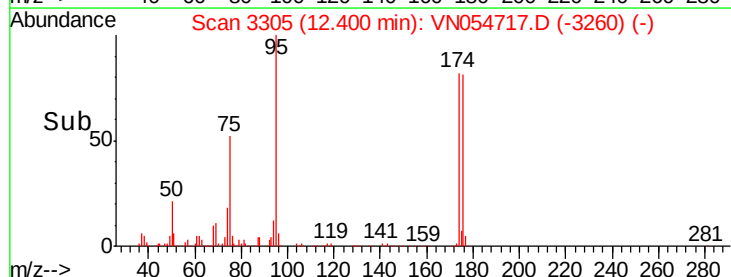
75 100

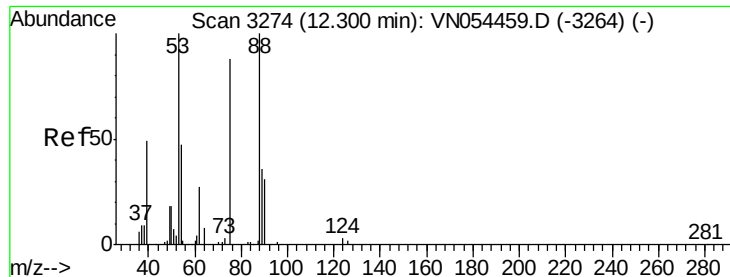
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

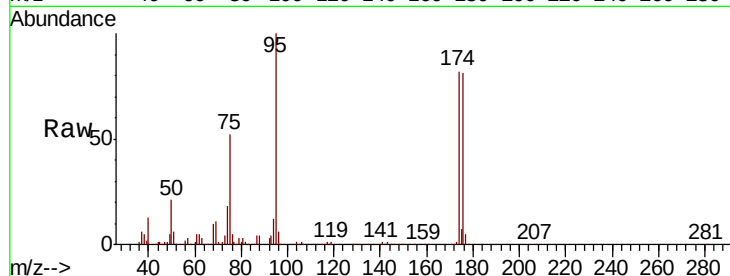




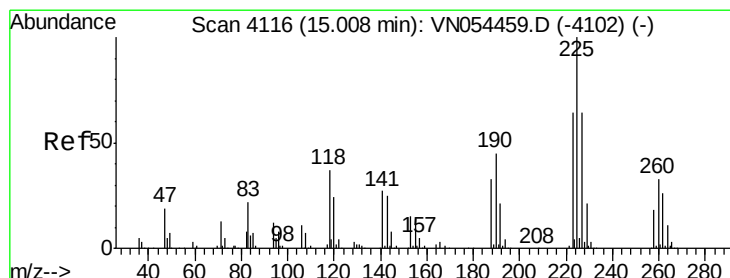
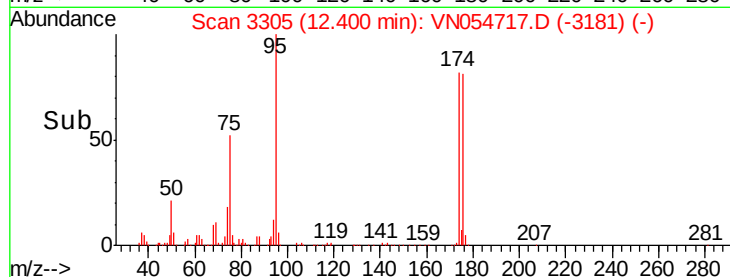
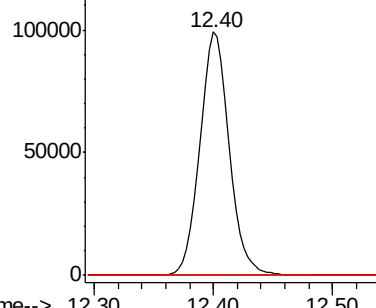
#81
trans-1,4-Dichloro-2-butene
Concen: 134.267 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 168894
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#

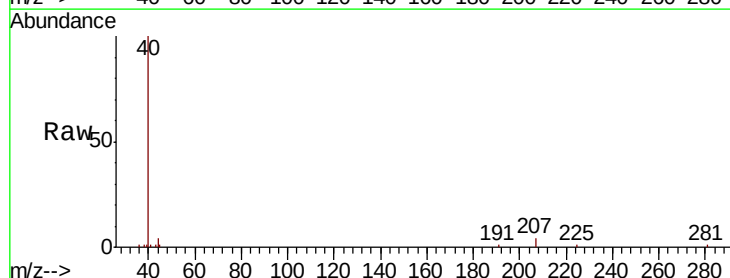


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.02 min Scan# 4119
Delta R.T. 0.01 min
Lab File: VN054717.D
Acq: 27 Mar 2019 13:05

Tgt Ion: 225 Resp: 61
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.5#
227 0.0 31.9 95.9#



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

