

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054644.D
 Acq On : 24 Mar 2019 13:29
 Operator : JC/SP
 Sample : K2047-06
 Misc : 6.93g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

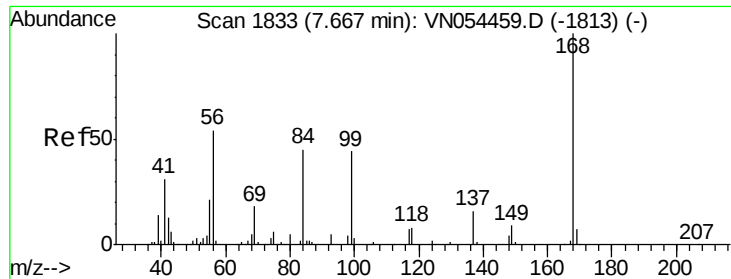
Quant Time: Mar 25 06:12:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	544243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	849808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	728801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296168	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	336343	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	252887	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	10.09	98	1024138	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	329986	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	1432	3.494	ug/l #	70
16) Acetone	3.81	43	586	0.288	ug/l #	38
18) Methyl Acetate	4.33	43	3566	0.786	ug/l #	51
20) Methylene Chloride	4.54	84	3922	0.654	ug/l #	85
31) Cyclohexane	7.66	56	10858	Below Cal	#	11
36) 1,1-Dichloropropene	7.66	75	40220	5.062	ug/l #	49
38) Carbon Tetrachloride	7.66	117	50522	6.543	ug/l #	16
53) t-1,3-Dichloropropene	10.24	75	106	2.245	ug/l #	42
71) Bromoform	12.40	173	1192	2.531	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	171365	36.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171365	120.898	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

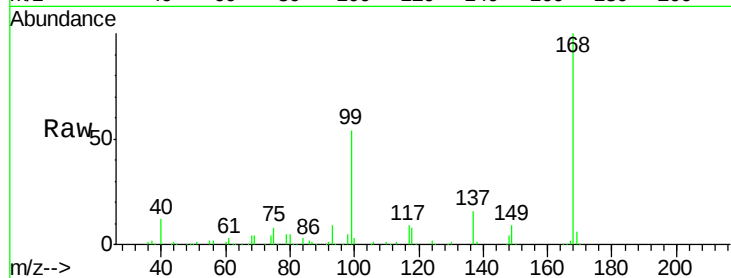
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 544243

Ion Ratio Lower Upper

168 100

99 54.4 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

200000

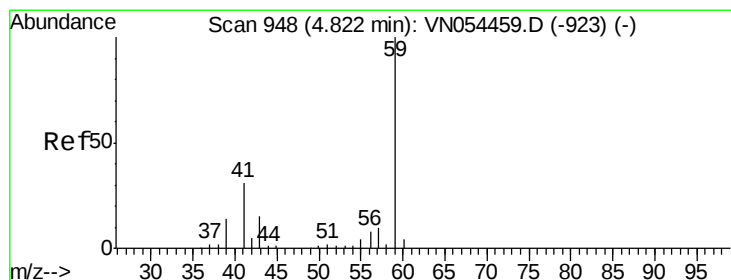
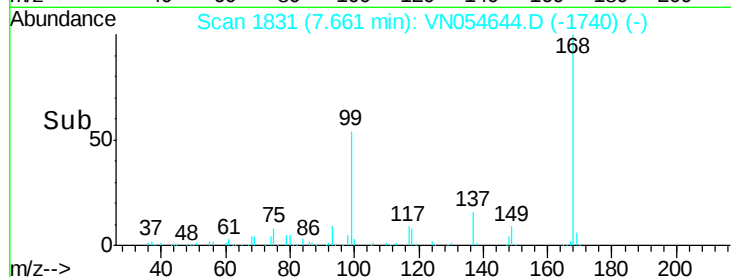
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.494 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.09 min

Lab File: VN054644.D

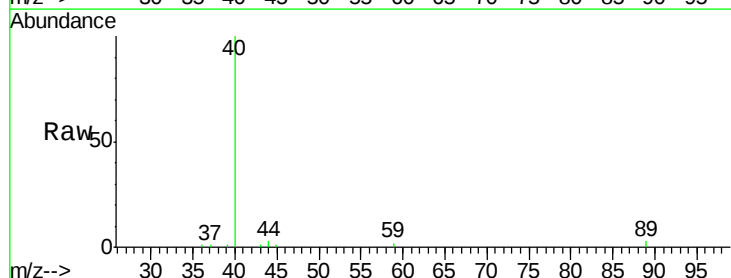
Acq: 24 Mar 2019 13:29

Tgt Ion: 59 Resp: 1432

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

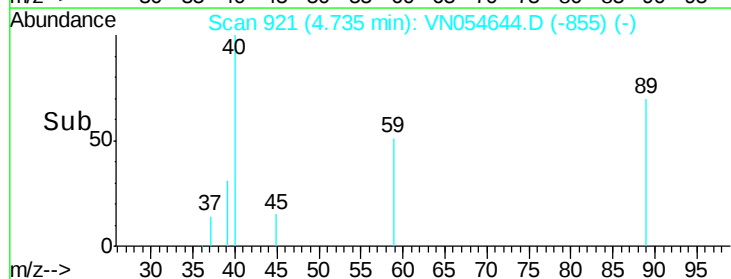
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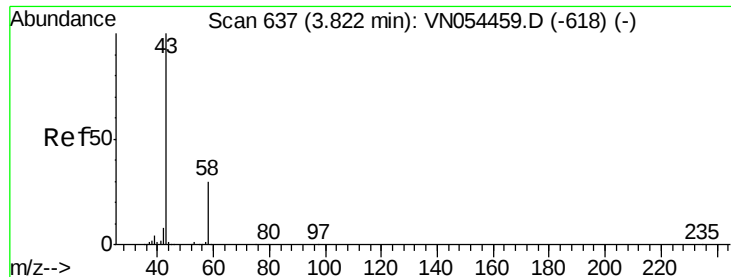
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200

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Time-->

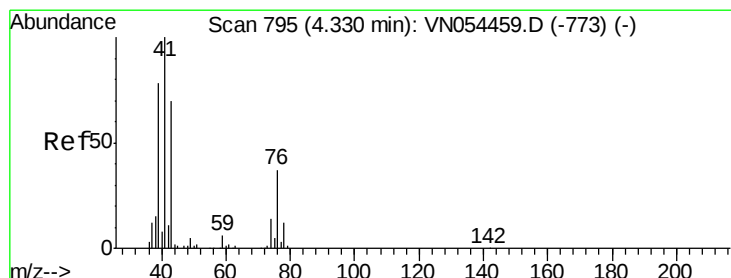
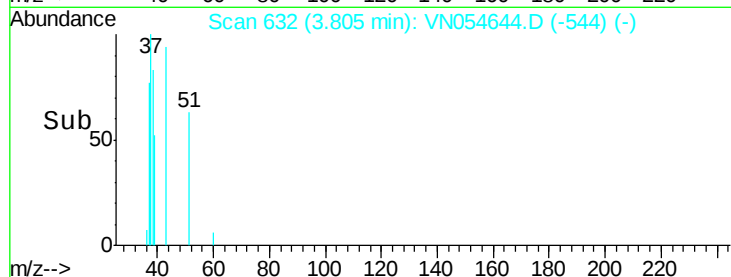
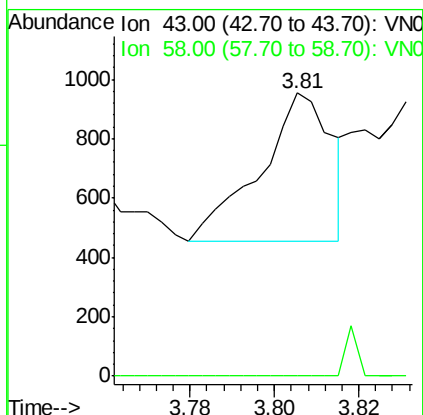
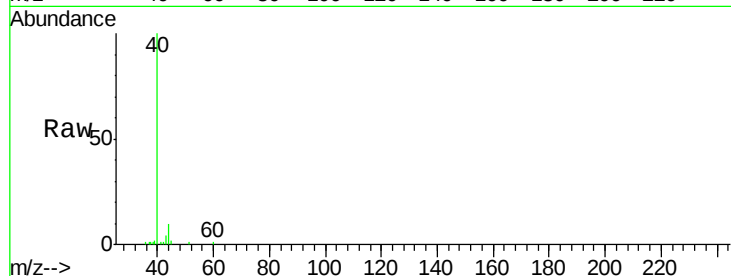




#16
Acetone
Concen: 0.288 ug/l
RT: 3.81 min Scan# 632
Delta R.T. -0.02 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

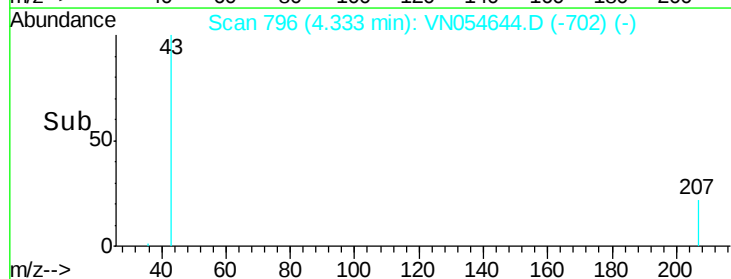
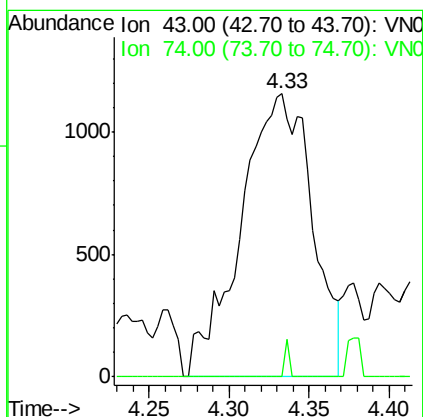
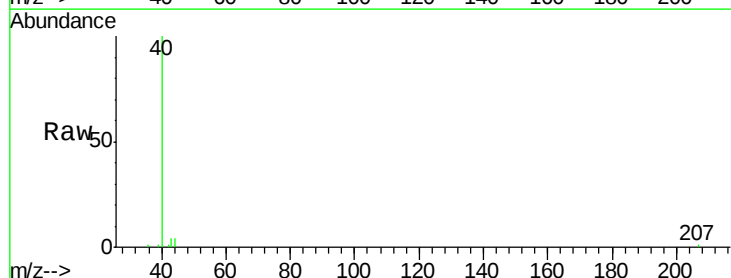
Instrument :
MSVOA_N
ClientSampleId :

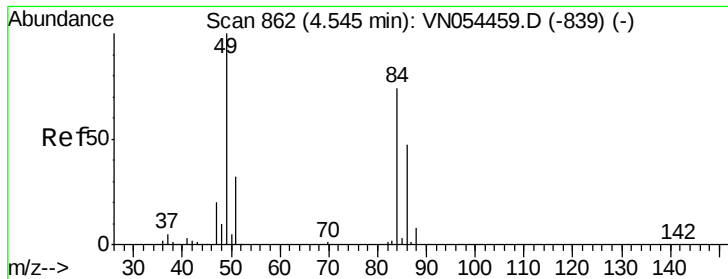
Tot Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
74 0.8 20.8 31.2#

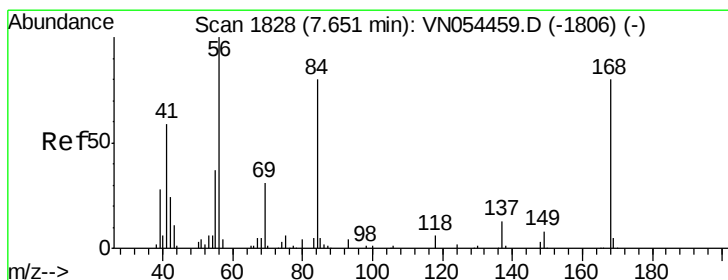
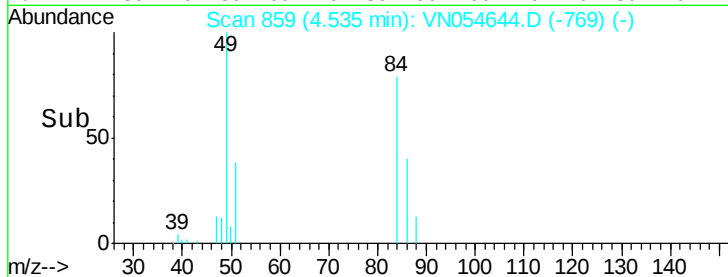
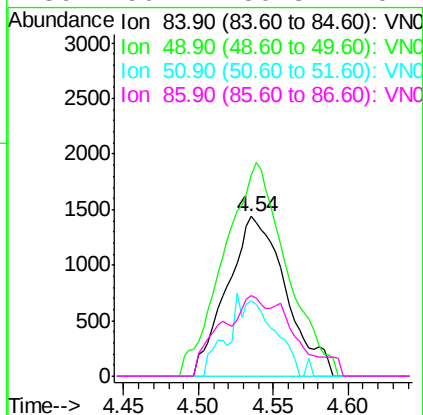
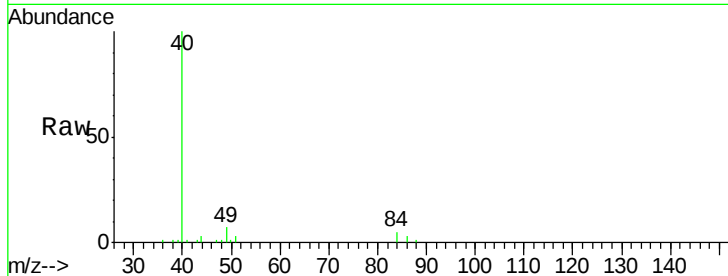




#20
Methvlene Chloride
Concen: 0.654 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

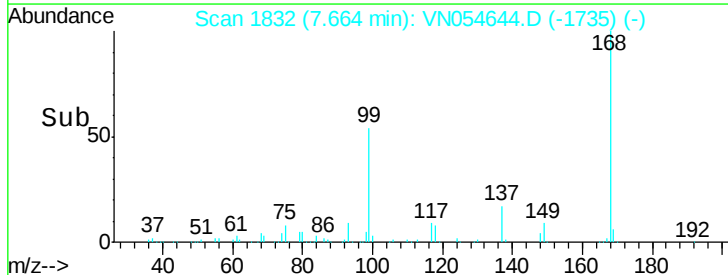
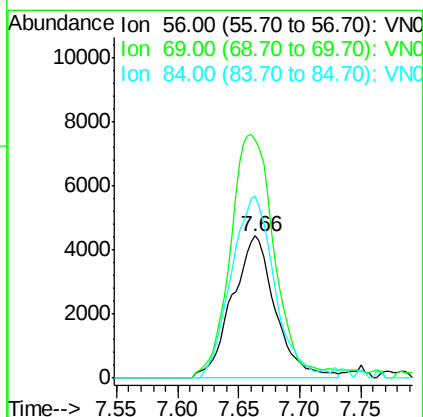
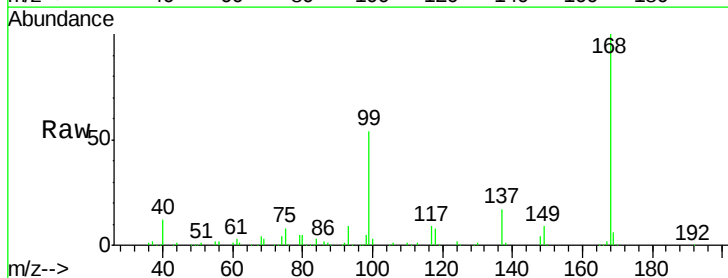
Instrument :
MSVOA_N
ClientSampled :

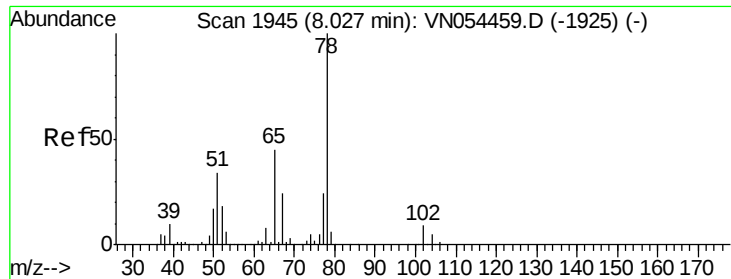
Tot Ion: 84 Resp: 3922
Ion Ratio Lower Upper
84 100
49 126.3 89.7 134.5
51 47.5 28.2 42.4#
86 50.7 50.8 76.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

Tgt Ion: 56 Resp: 10858
Ion Ratio Lower Upper
56 100
69 168.2 27.8 41.6#
84 128.6 74.6 111.8#

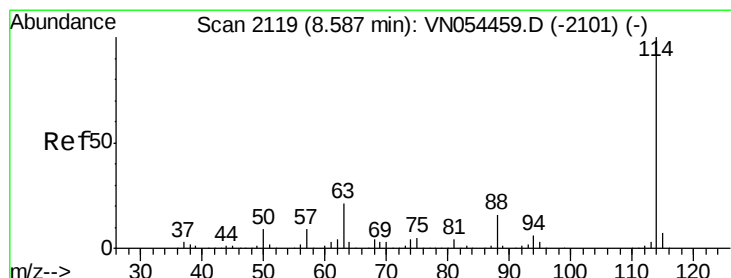
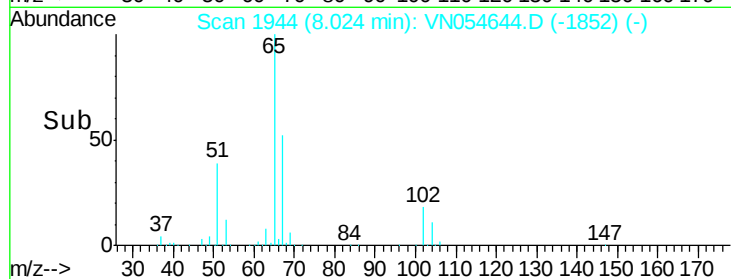
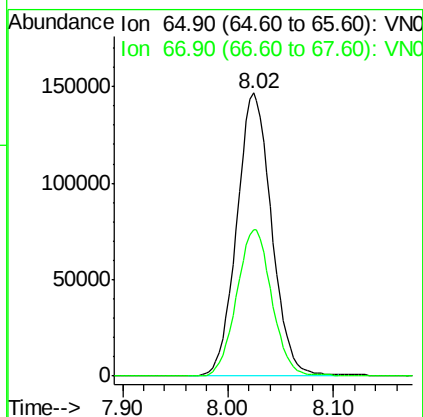
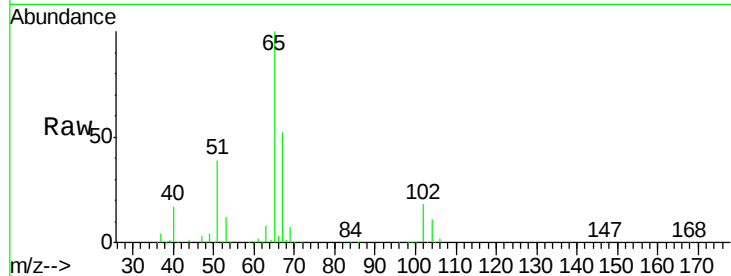




#33
 1,2-Dichloroethane-d4
 Concen: 49.685 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054644.D
 Acq: 24 Mar 2019 13:29

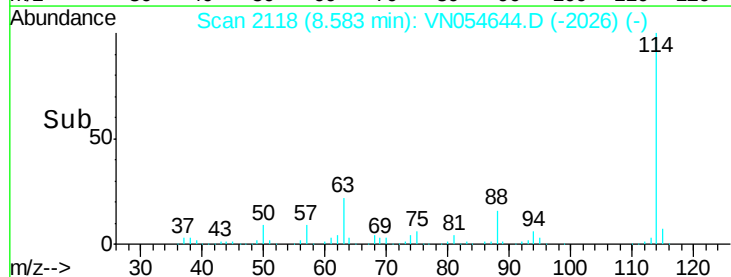
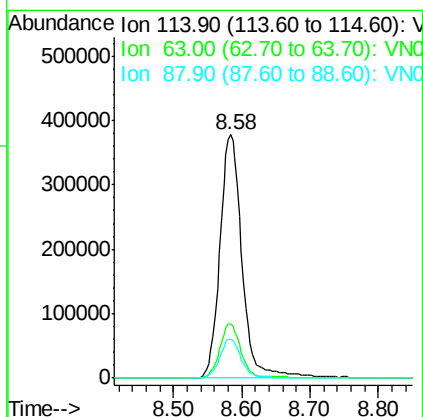
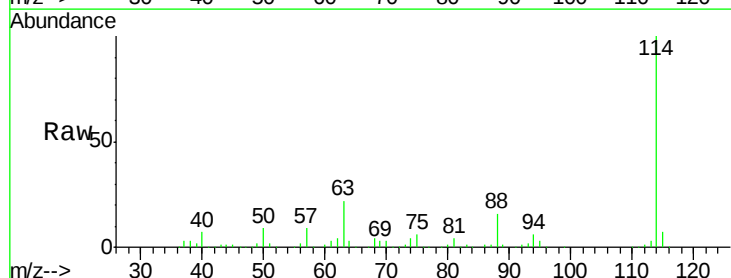
Instrument :
 MSVOA_N
 ClientSampleId :

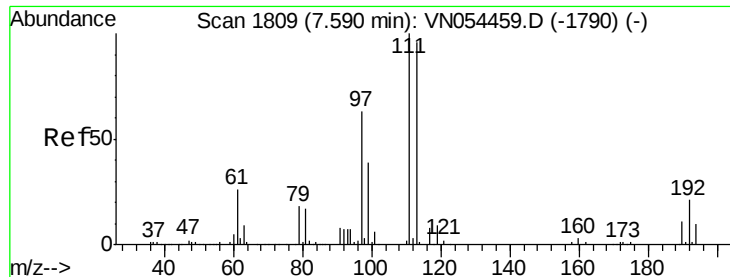
Tot Ion: 65 Resp: 336343
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054644.D
 Acq: 24 Mar 2019 13:29

Tgt Ion: 114 Resp: 849808
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 16.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.190 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

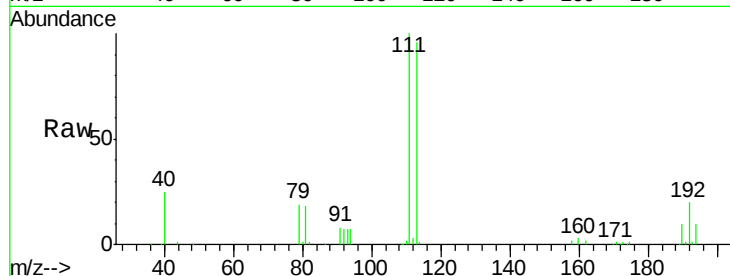
Tot Ion:113 Resp: 252887

Ion Ratio Lower Upper

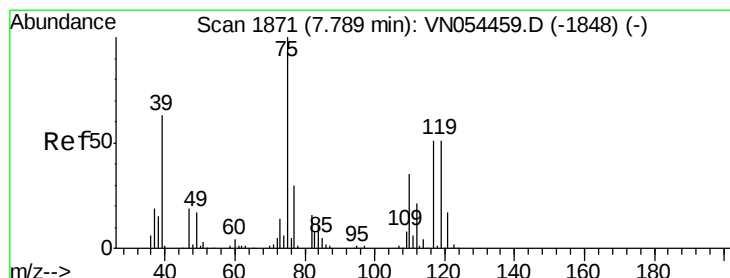
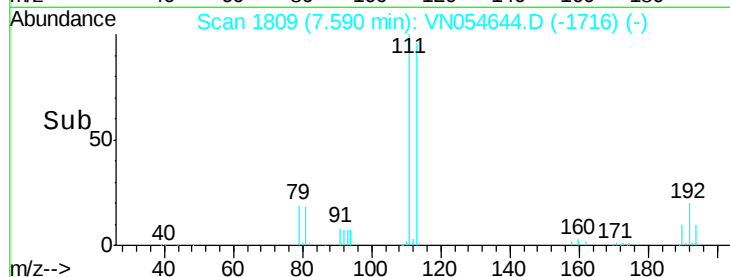
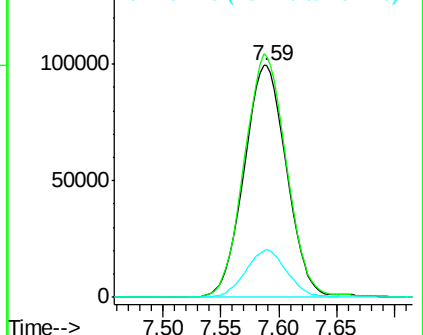
113 100

111 103.9 82.2 123.4

192 20.0 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: 5.062 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

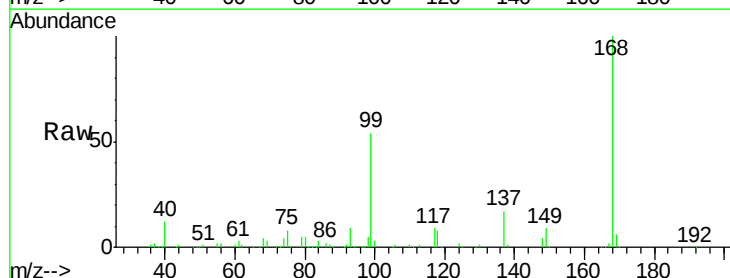
Tgt Ion: 75 Resp: 40220

Ion Ratio Lower Upper

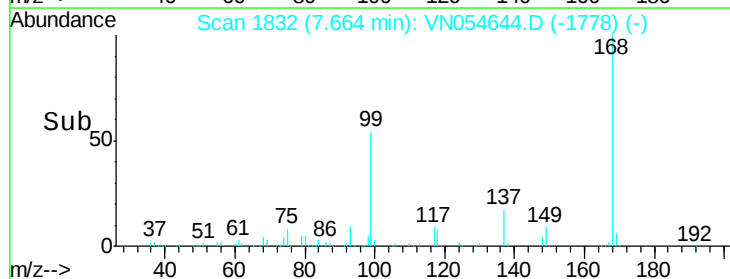
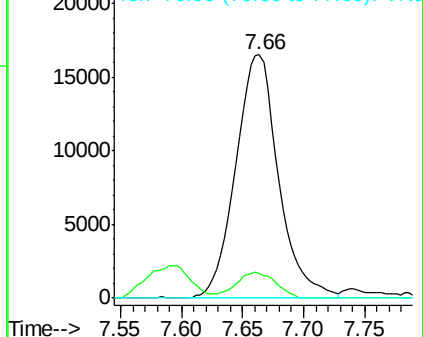
75 100

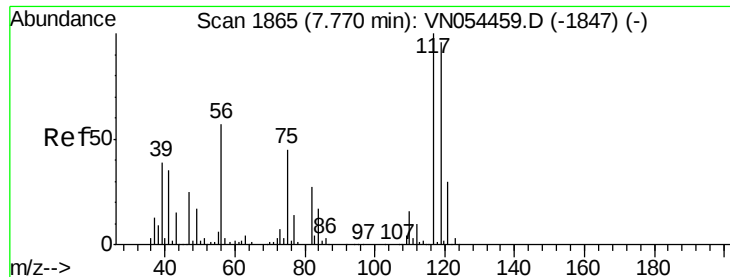
110 9.9 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.543 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

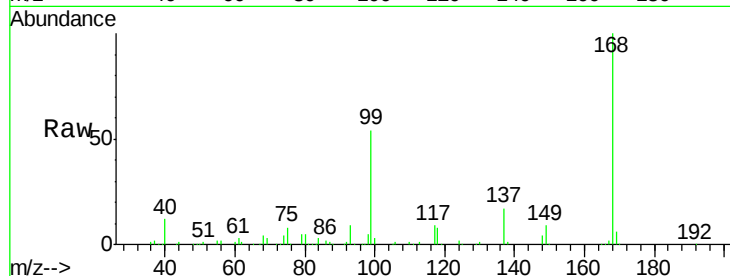
Tot Ion:117 Resp: 50522

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

121 0.0 24.6 36.8#



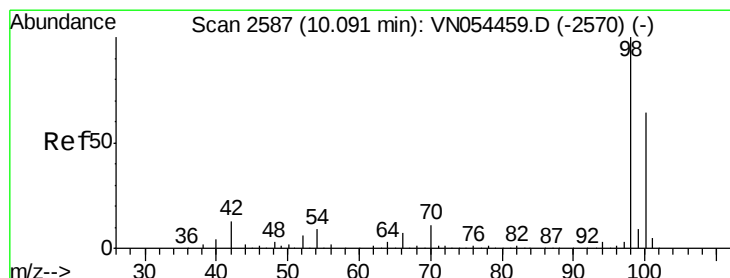
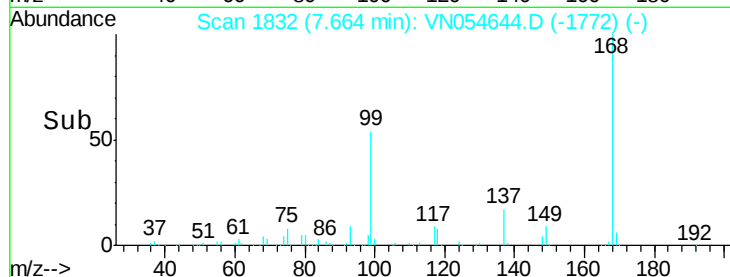
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

7.66

Time-->



#50

Toluene-d8

Concen: 49.758 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054644.D

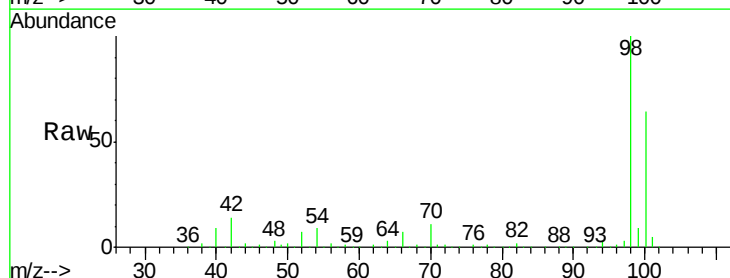
Acq: 24 Mar 2019 13:29

Tgt Ion: 98 Resp: 1024138

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8

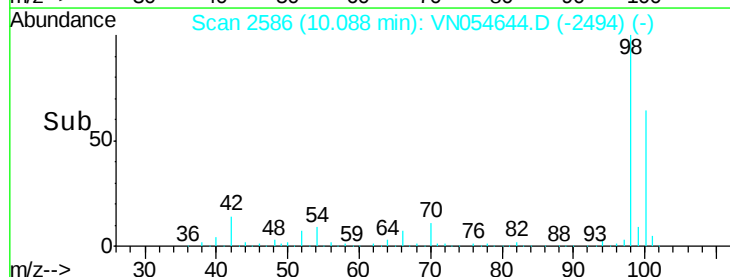


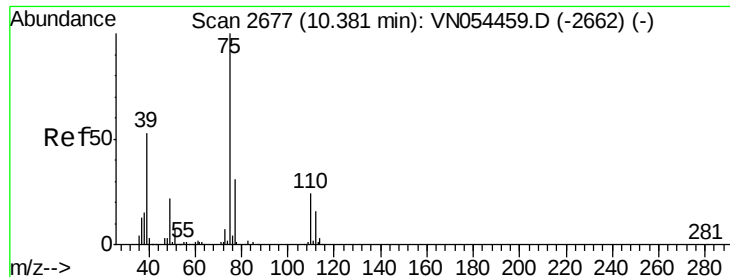
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.245 ug/l

RT: 10.24 min Scan# 2634

Delta R.T. -0.14 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

Instrument :

MSVOA_N

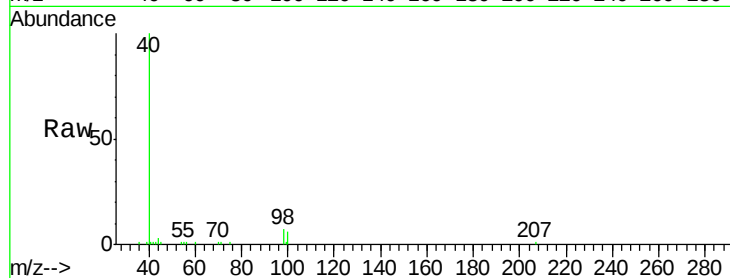
ClientSampled :

Tot Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.24

200

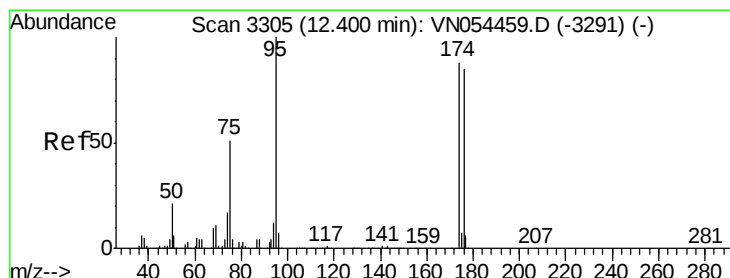
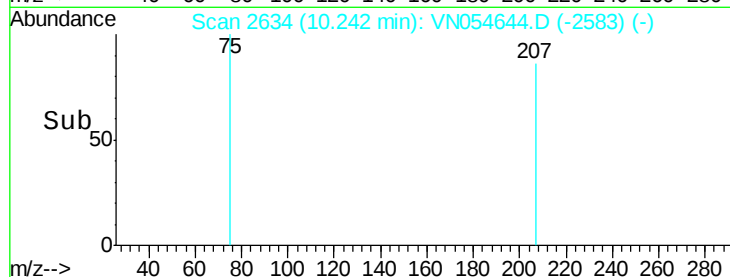
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.115 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

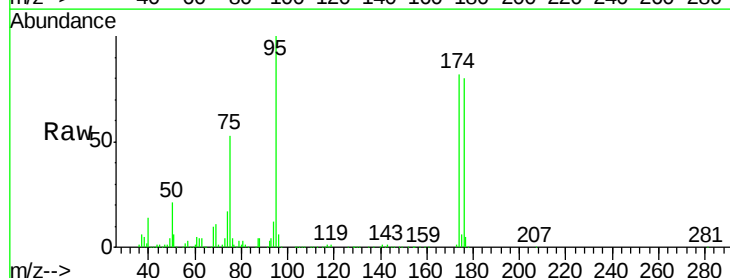
Tgt Ion: 95 Resp: 329986

Ion Ratio Lower Upper

95 100

174 82.6 0.0 191.0

176 81.1 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

250000

200000

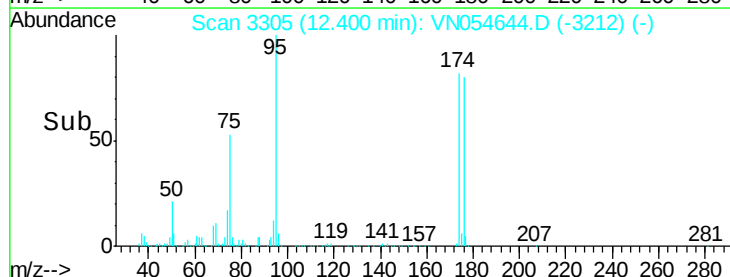
150000

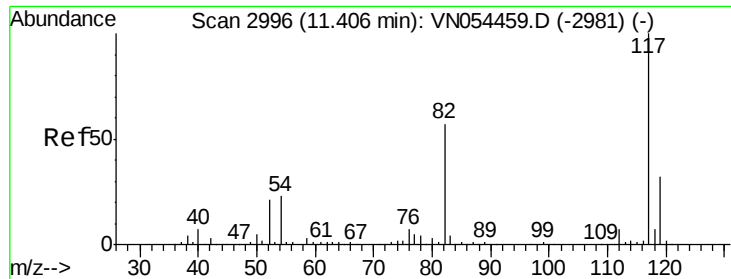
100000

50000

0

Time-->

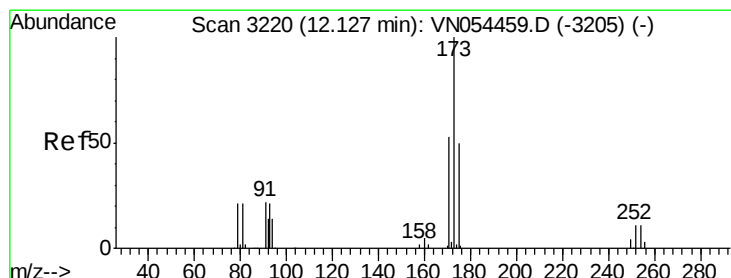
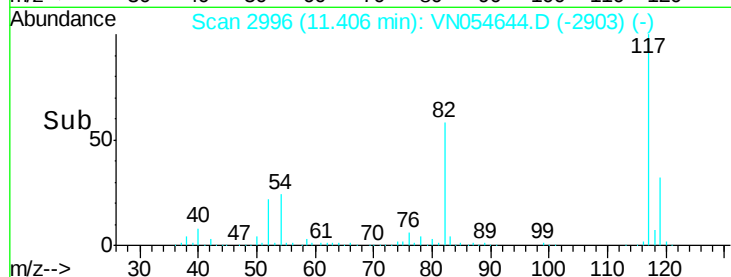
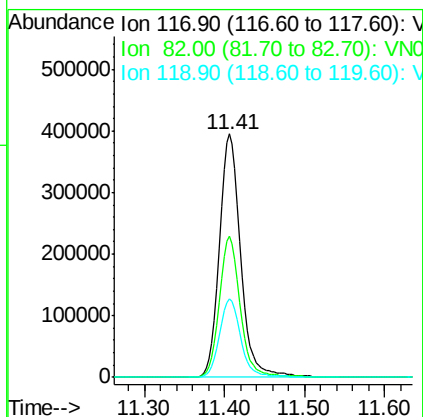
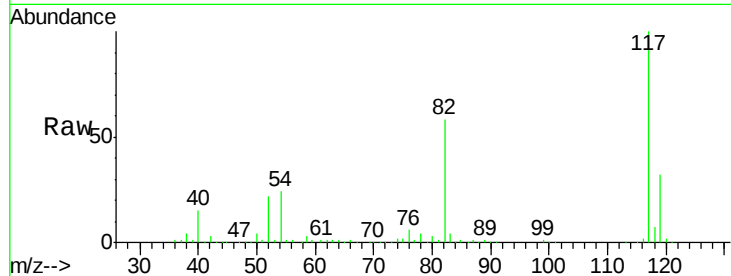




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

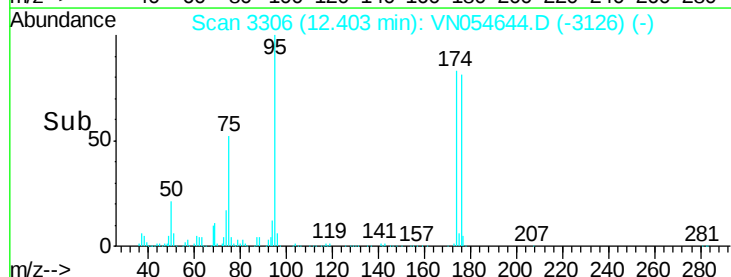
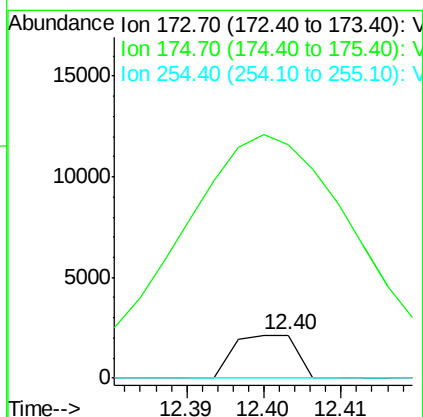
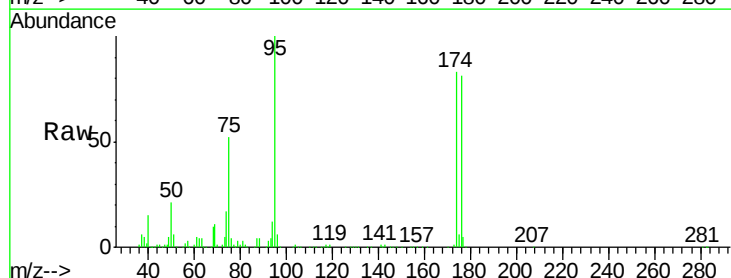
Instrument :
MSVOA_N
ClientSampled :

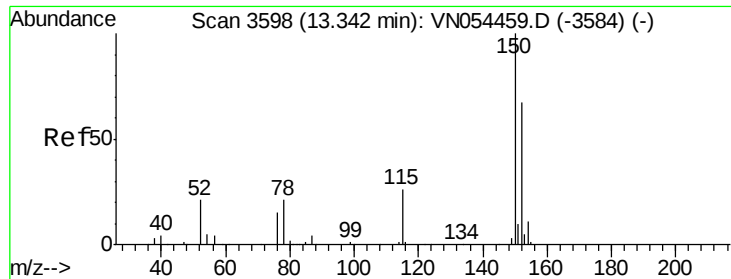
Tot Ion:117 Resp: 728801
Ion Ratio Lower Upper
117 100
82 57.8 40.0 60.0
119 32.1 25.8 38.6



#71
Bromoform
Concen: 2.531 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

Tgt Ion:173 Resp: 1192
Ion Ratio Lower Upper
173 100
175 1514.3 24.4 73.2#
254 0.0 0.1 0.1#



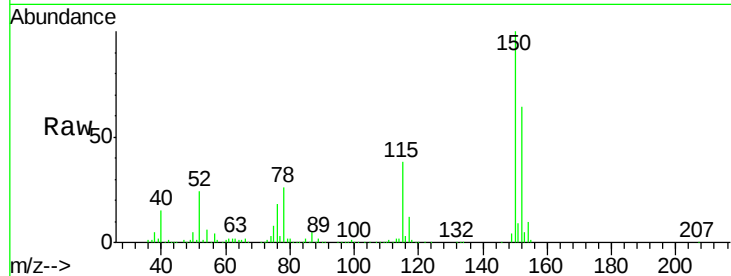


#72

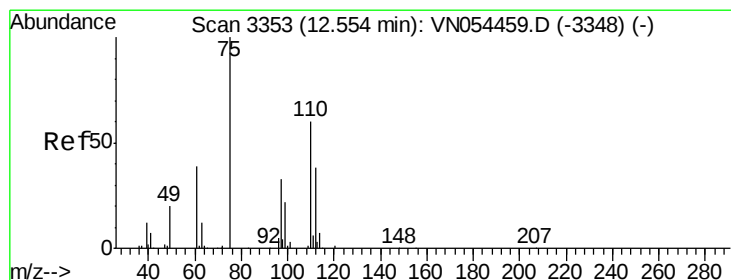
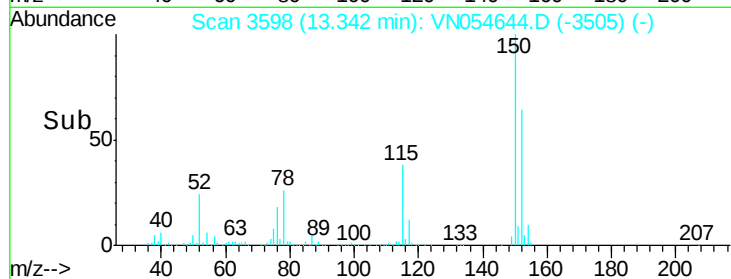
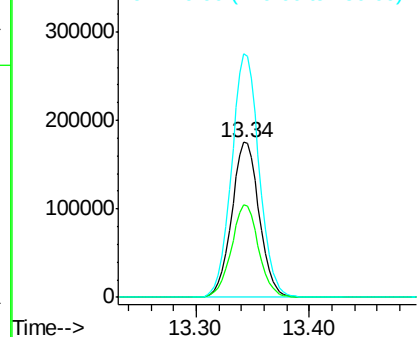
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 296168
Ion Ratio Lower Upper
152 100
115 59.2 27.2 81.6
150 157.4 0.0 349.2



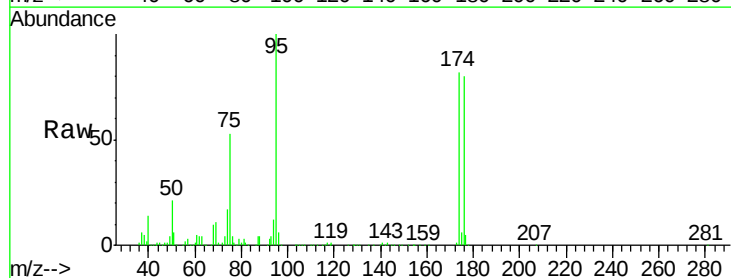
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



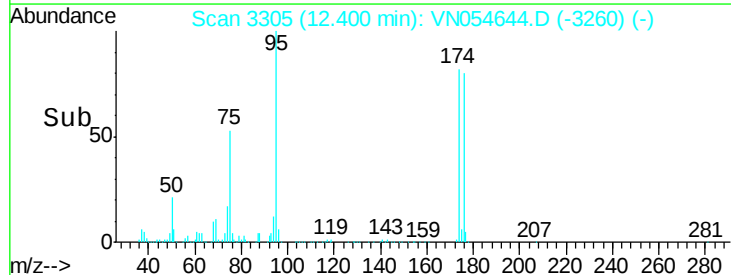
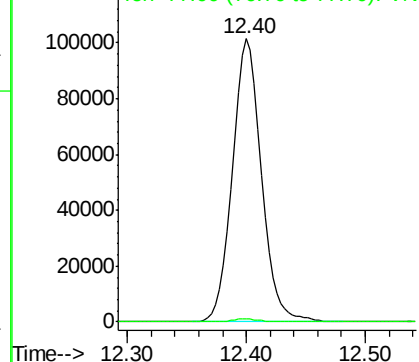
#76

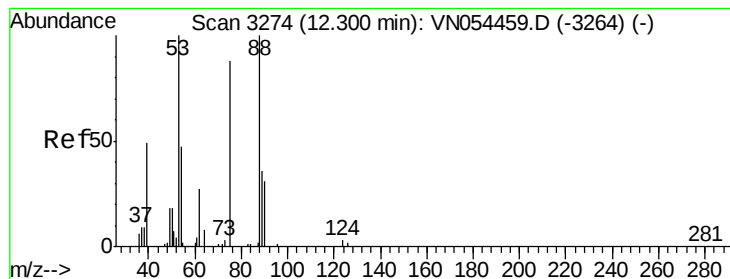
1,2,3-Trichloropropane
Concen: 36.463 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054644.D
Acq: 24 Mar 2019 13:29

Tgt Ion: 75 Resp: 171365
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: 120.898 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054644.D

Acq: 24 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

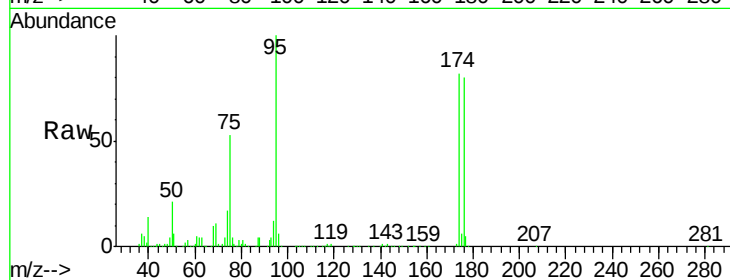
Tot Ion: 75 Resp: 171365

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

