

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054525.D
 Acq On : 21 Mar 2019 21:40
 Operator : JC/SP
 Sample : K1964-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-4

Quant Time: Mar 22 10:18:11 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	438039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	810884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330113	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	305929	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
35) Dibromofluoromethane	7.59	113	258163	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.09	98	1043845	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.40	95	402022	60.16	ug/l	0.00
Spiked Amount			Recovery	=	120.32%	

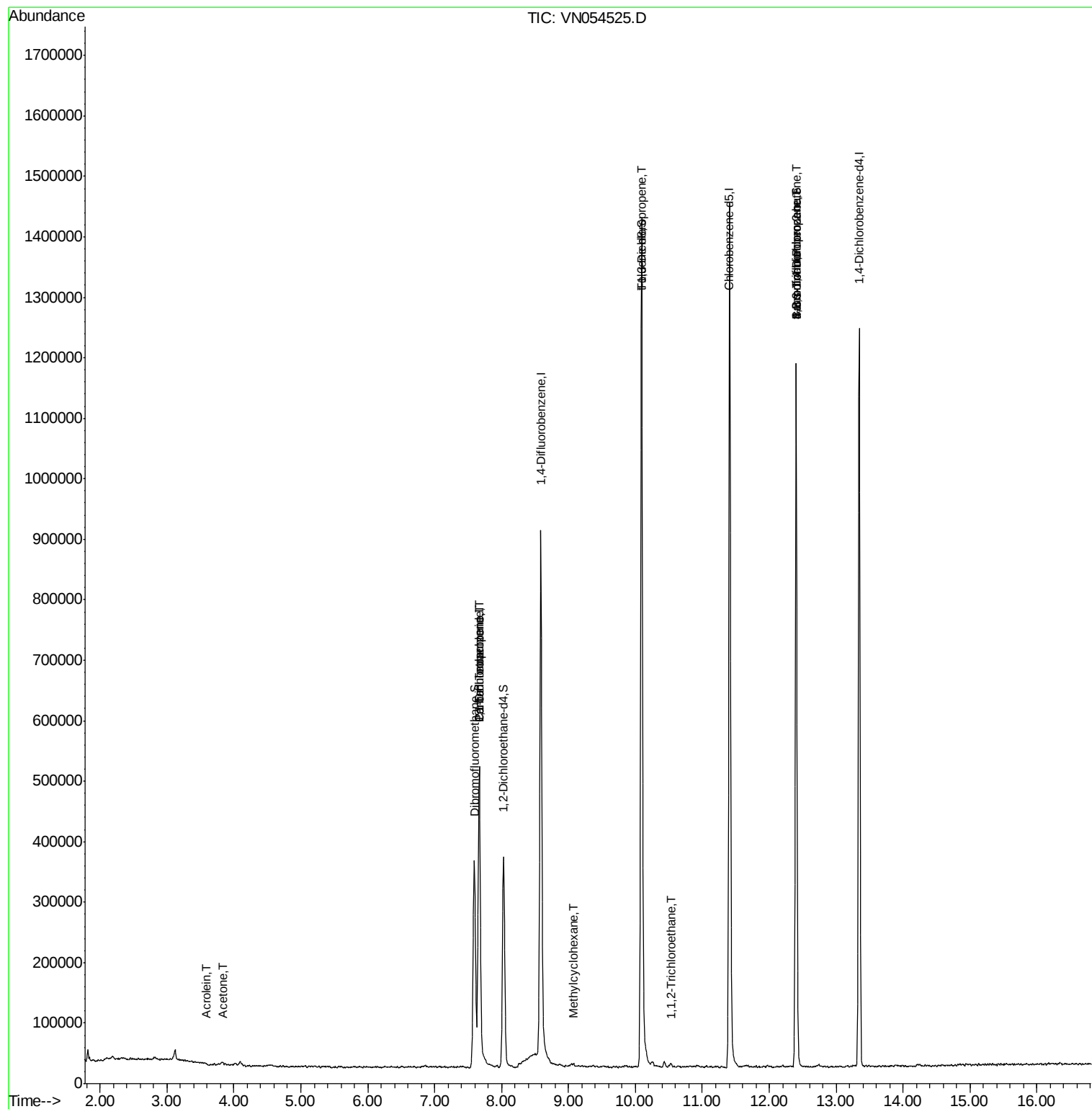
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	132	0.290	ug/l #	1
16) Acetone	3.82	43	6835	4.173	ug/l #	77
31) Cyclohexane	7.66	56	10071	Below Cal	#	46
36) 1,1-Dichloropropene	7.67	75	30636	4.041	ug/l #	48
38) Carbon Tetrachloride	7.67	117	38957	5.287	ug/l #	15
39) Methylcyclohexane	9.08	83	1787	0.206	ug/l #	86
53) t-1,3-Dichloropropene	10.09	75	293	2.269	ug/l #	1
55) 1,1,2-Trichloroethane	10.54	97	2037	0.425	ug/l #	23
71) Bromoform	12.40	173	1671	2.593	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	206160	39.356	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	206160	130.238	ug/l #	11

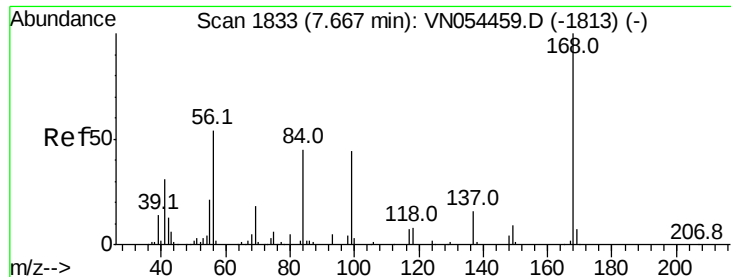
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampleId :

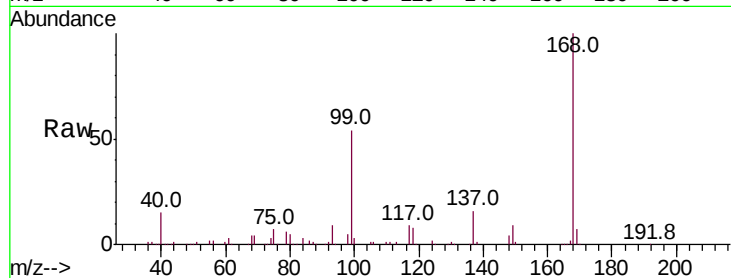
TW-4

Tot Ion:168 Resp: 438039

Ion Ratio Lower Upper

168 100

99 53.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VN

7.67

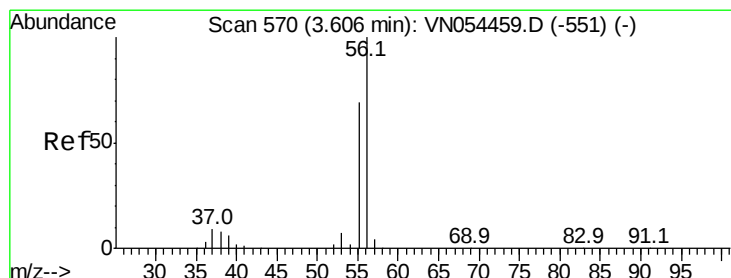
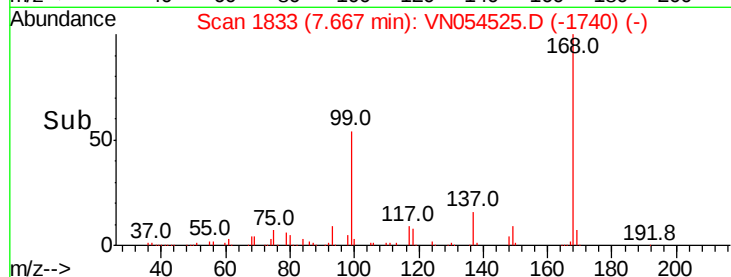
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.290 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054525.D

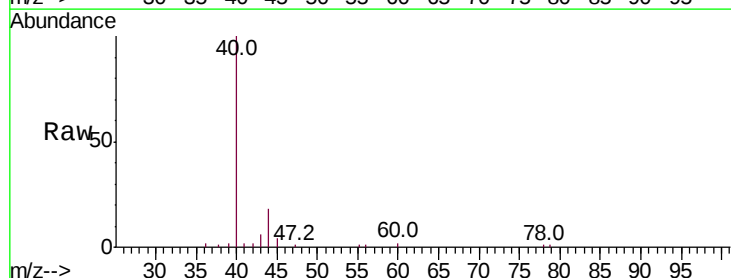
Acq: 21 Mar 2019 21:40

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 182.6 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

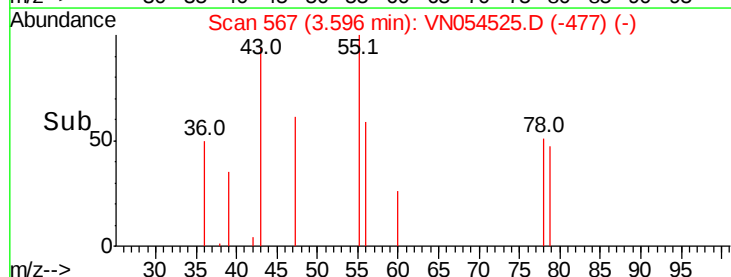
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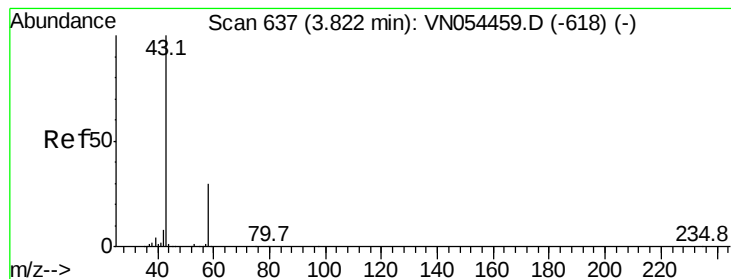
200

100

0

Time-->





#16

Acetone

Concen: 4.173 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampleId :

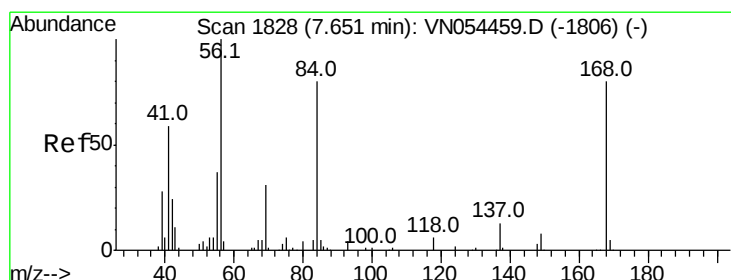
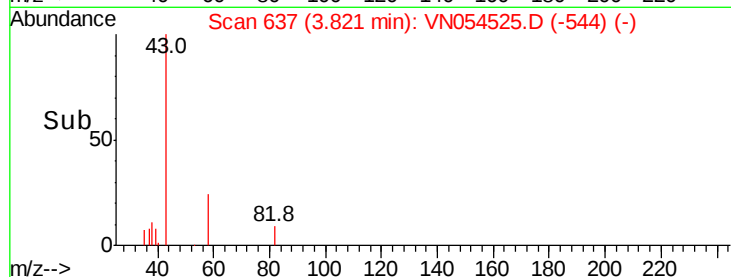
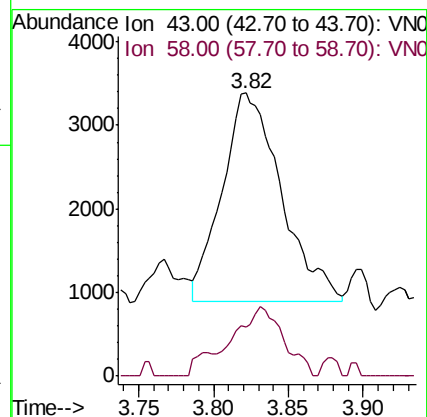
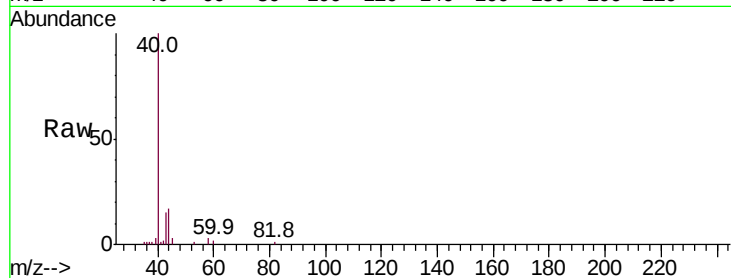
TW-4

Tot Ion: 43 Resp: 6835

Ion Ratio Lower Upper

43 100

58 23.9 29.9 44.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

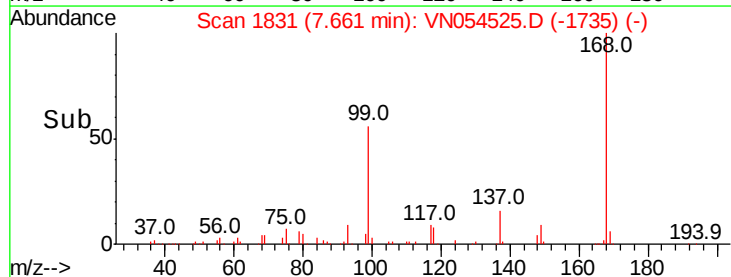
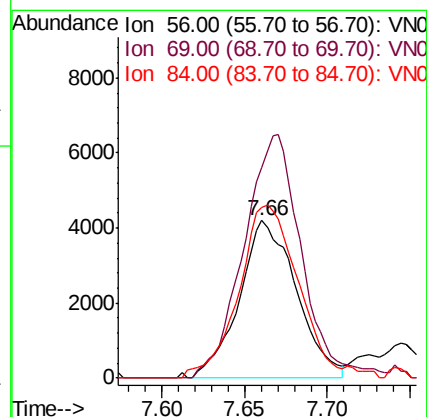
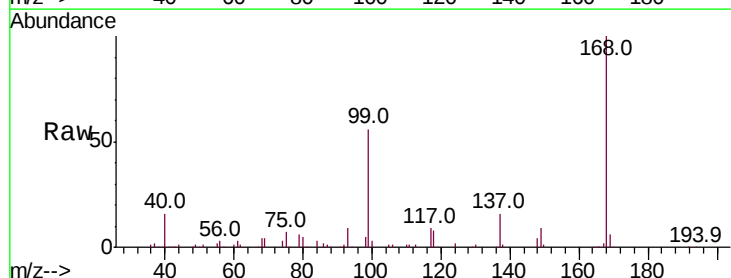
Tgt Ion: 56 Resp: 10071

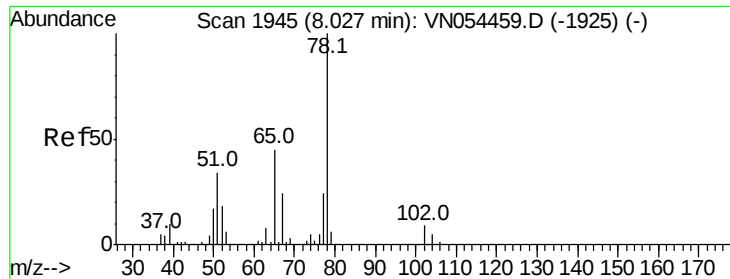
Ion Ratio Lower Upper

56 100

69 133.9 27.8 41.6#

84 102.7 74.6 111.8





#33

1,2-Dichloroethane-d4

Concen: 56.149 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampleId :

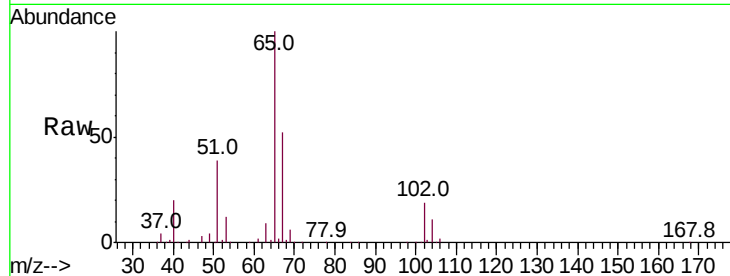
TW-4

Tot Ion: 65 Resp: 305929

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

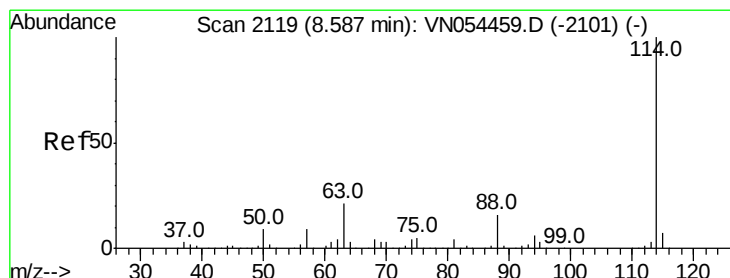
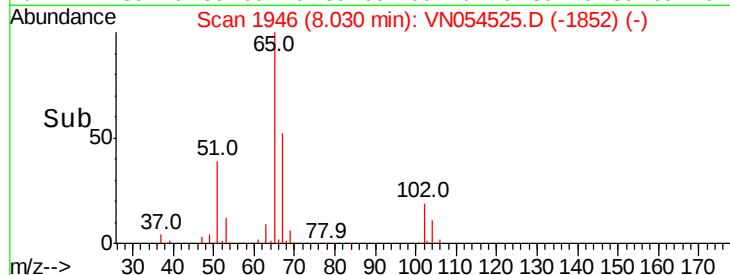
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

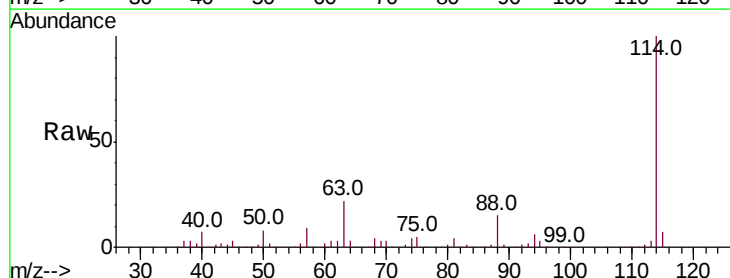
Tgt Ion: 114 Resp: 810884

Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.2

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

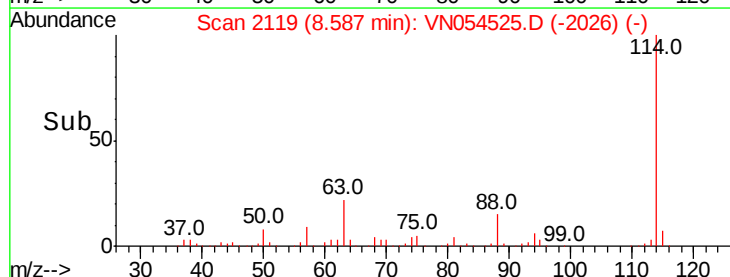
300000

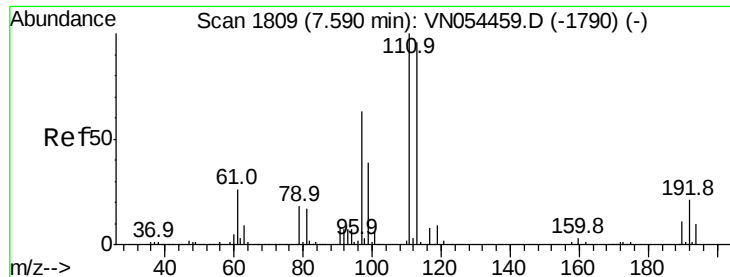
200000

100000

0

Time-->

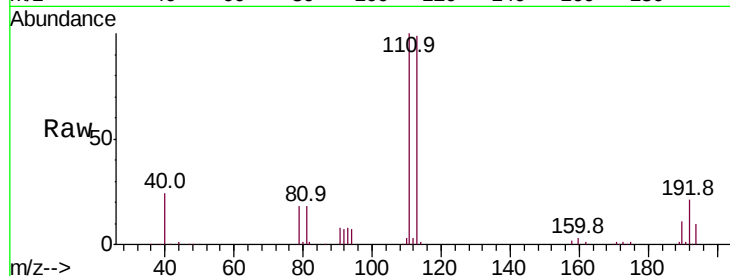




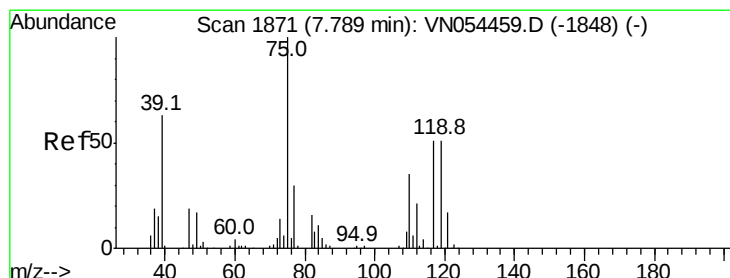
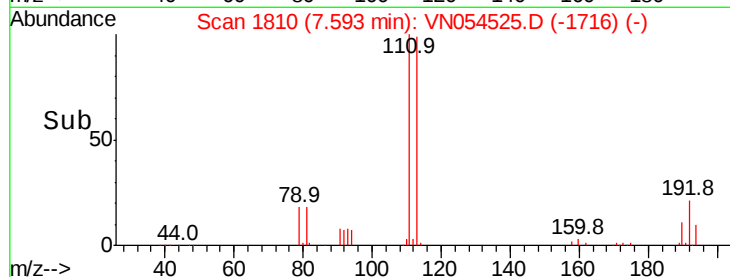
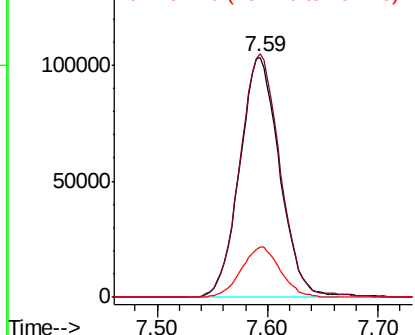
#35
 Dibromofluoromethane
 Concen: 49.418 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054525.D
 Acq: 21 Mar 2019 21:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-4

Tot Ion:113 Resp: 258163
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 20.6 19.2 28.8

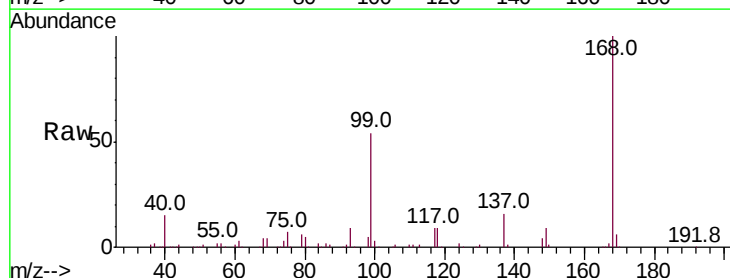


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

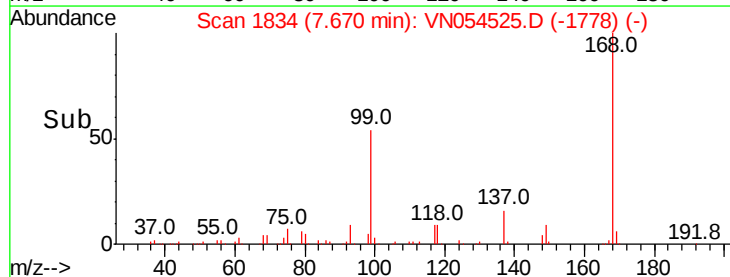
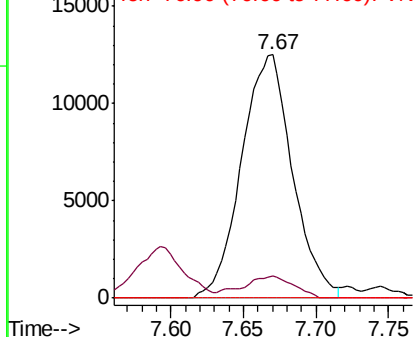


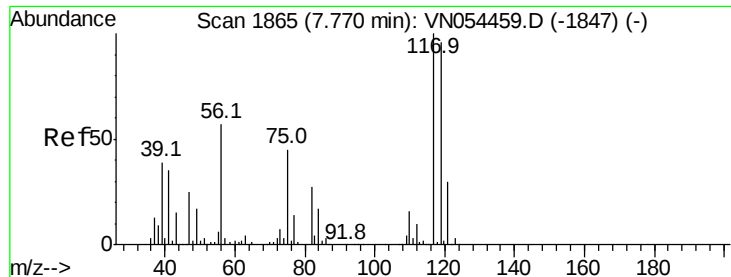
#36
 1,1-Dichloropropene
 Concen: 4.041 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN054525.D
 Acq: 21 Mar 2019 21:40

Tgt Ion: 75 Resp: 30636
 Ion Ratio Lower Upper
 75 100
 110 9.0 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: 5.287 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampled :

TW-4

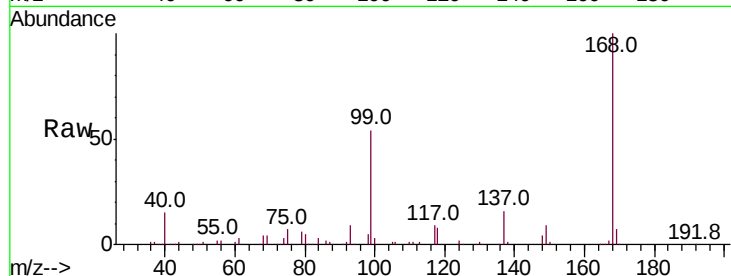
Tot Ion:117 Resp: 38957

Ion Ratio Lower Upper

117 100

119 3.4 76.3 114.5#

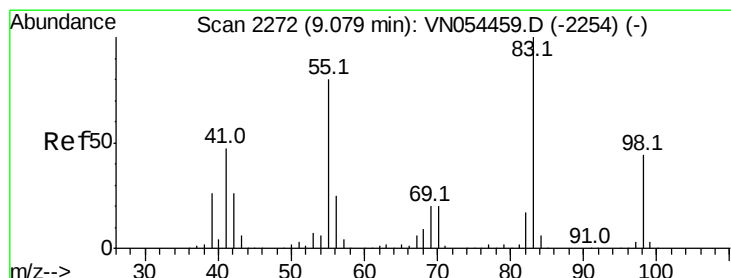
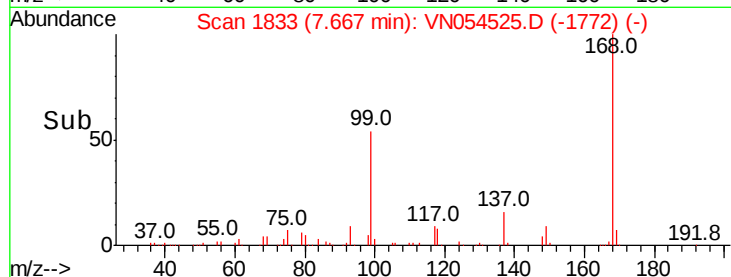
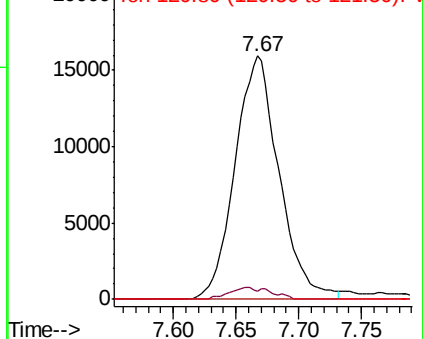
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 0.206 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

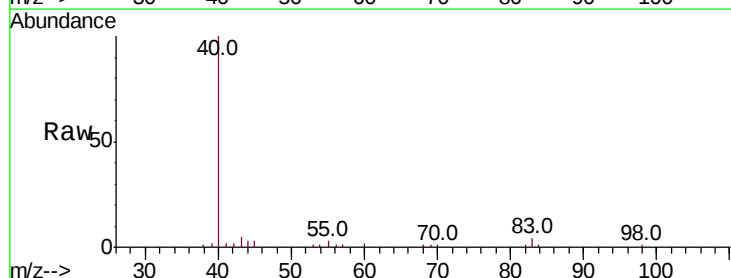
Tgt Ion: 83 Resp: 1787

Ion Ratio Lower Upper

83 100

55 73.9 56.6 84.8

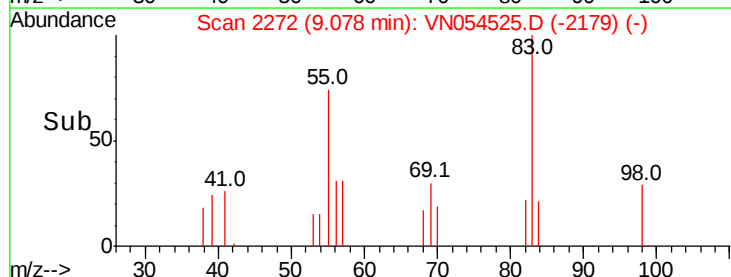
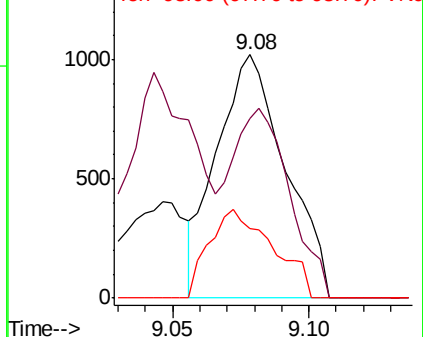
98 28.6 38.4 57.6#

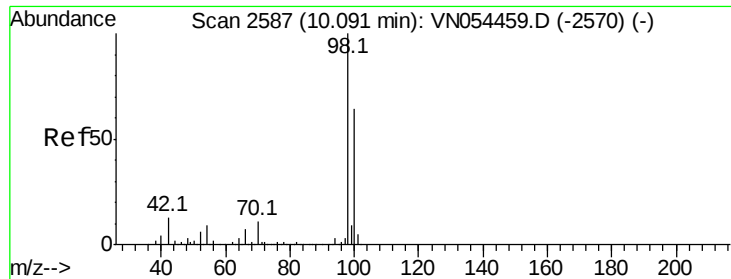


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

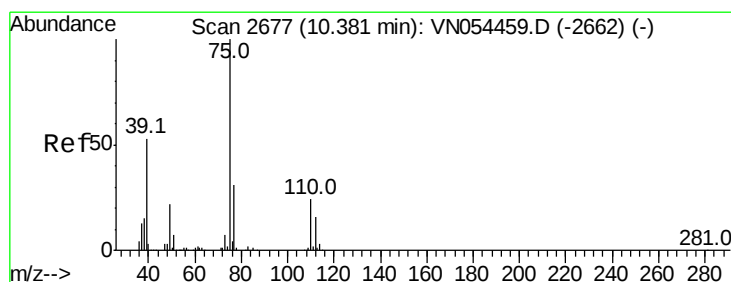
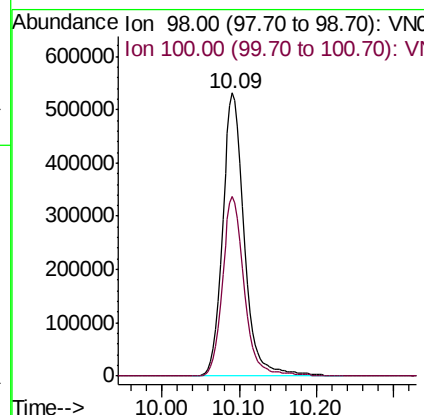
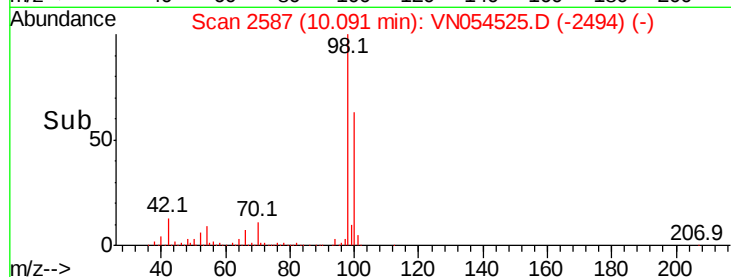
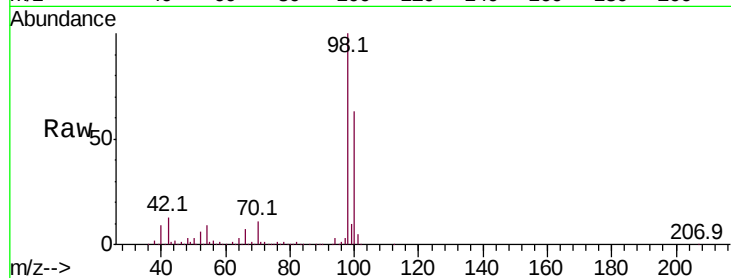




#50
Toluene-d8
Concen: 53.150 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054525.D
Acq: 21 Mar 2019 21:40

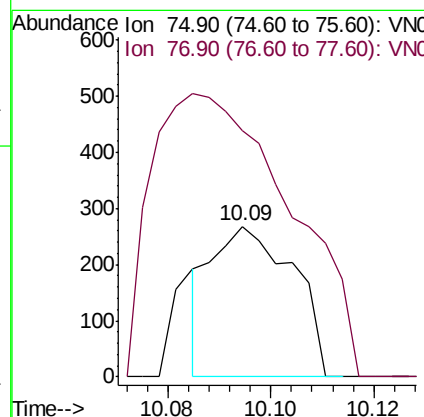
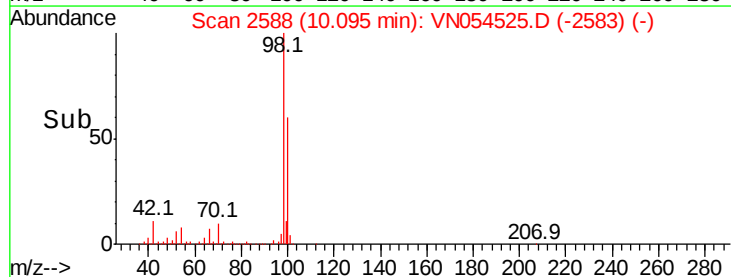
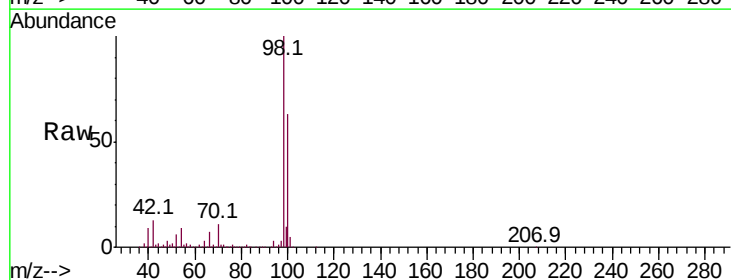
Instrument :
MSVOA_N
ClientSampleId :
TW-4

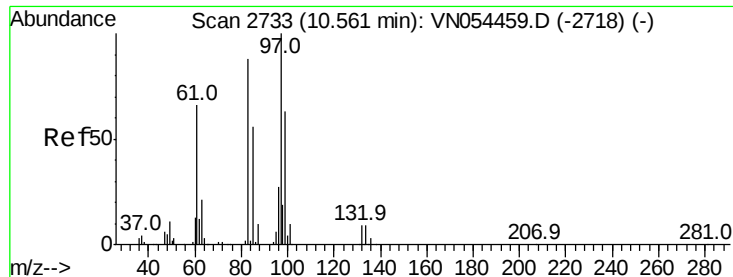
Tot Ion: 98 Resp: 1043845
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 2.269 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.29 min
Lab File: VN054525.D
Acq: 21 Mar 2019 21:40

Tgt Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
77 98.5 25.8 38.8#

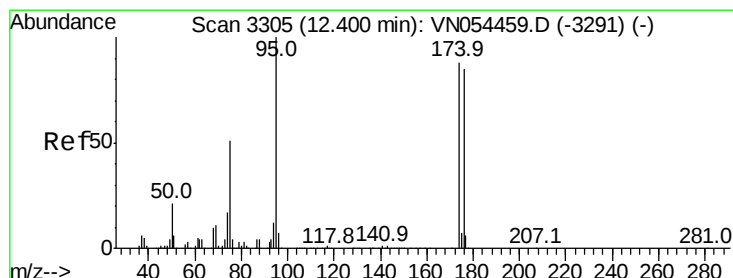
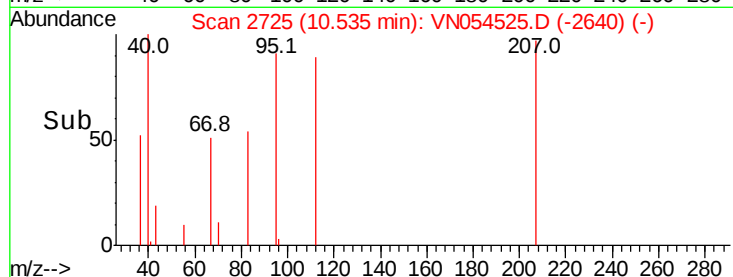
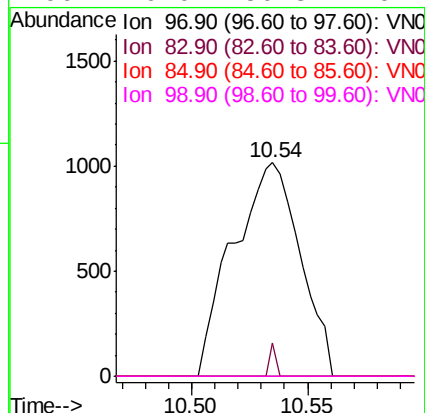
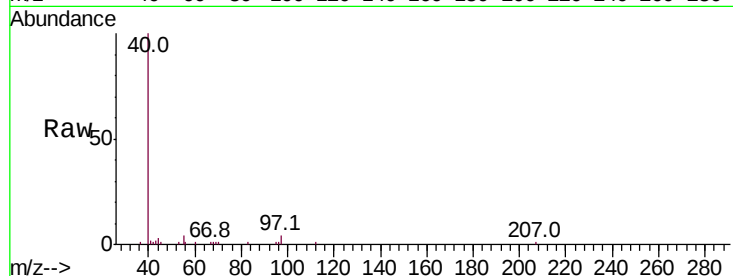




#55
 1,1,2-Trichloroethane
 Concen: 0.425 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.03 min
 Lab File: VN054525.D
 Acq: 21 Mar 2019 21:40

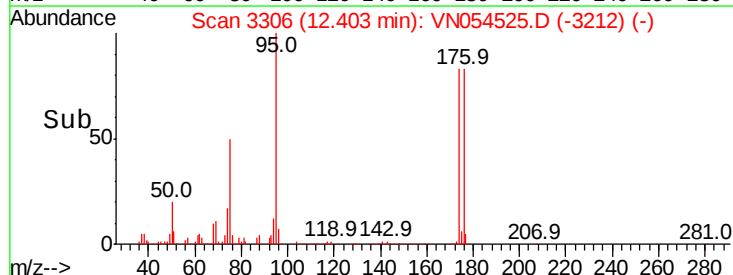
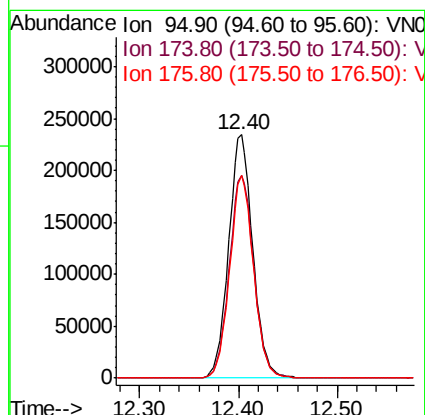
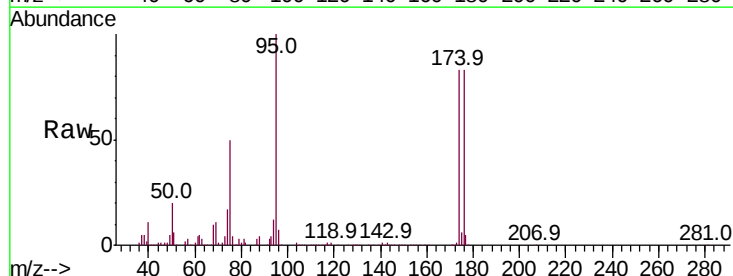
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 TW-4

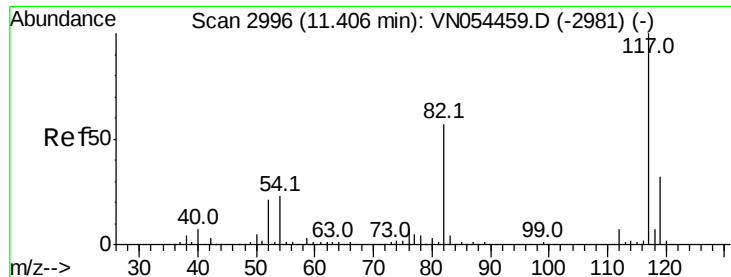
Tot Ion: 97 Resp: 2037
 Ion Ratio Lower Upper
 97 100
 83 15.6 66.6 100.0#
 85 0.0 44.4 66.6#
 99 0.0 50.8 76.2#



#62
 4-Bromofluorobenzene
 Concen: 60.156 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054525.D
 Acq: 21 Mar 2019 21:40

Tgt Ion: 95 Resp: 402022
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 191.0
 176 82.3 0.0 187.4

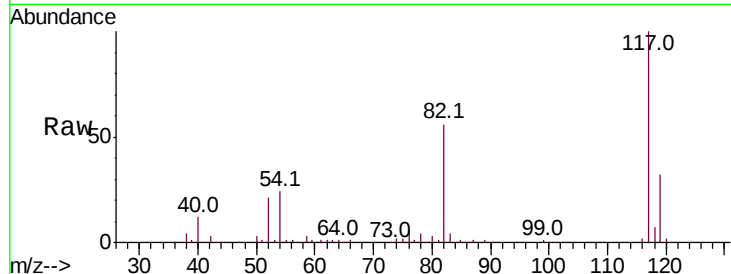




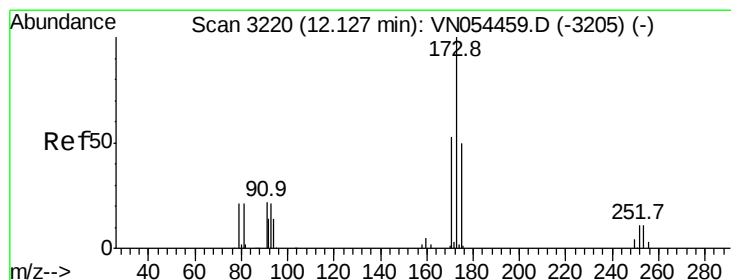
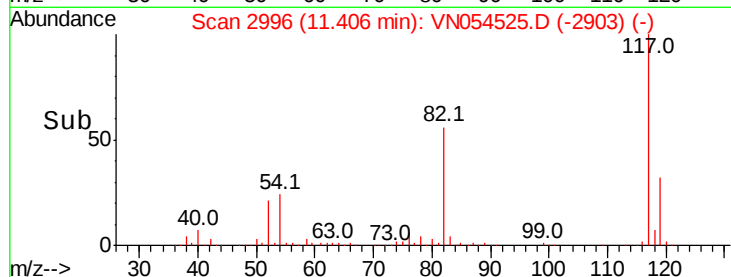
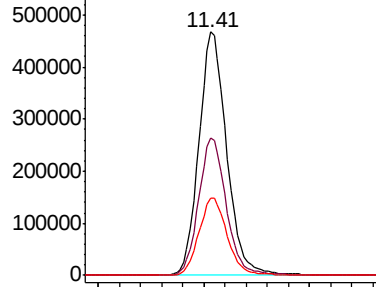
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054525.D
Acq: 21 Mar 2019 21:40

Instrument :
MSVOA_N
ClientSampleId :
TW-4

Tot Ion:117 Resp: 851144
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 31.7 25.8 38.6

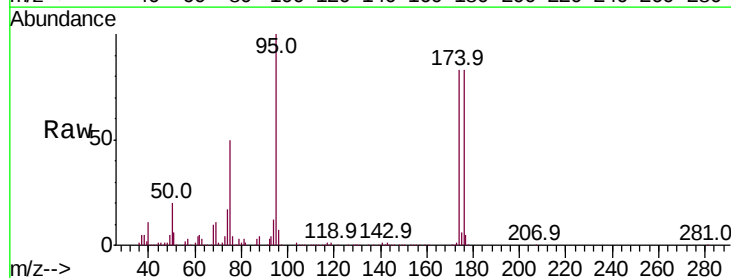


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

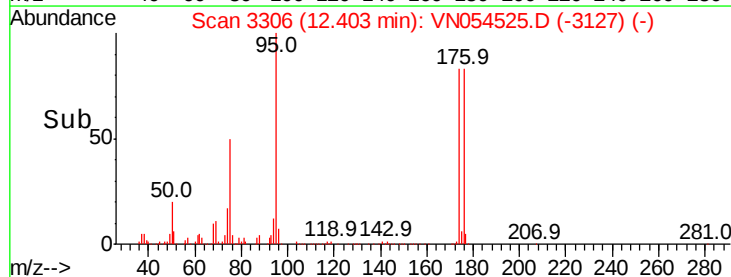
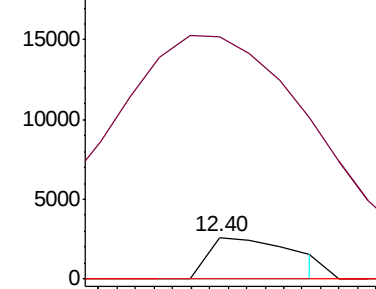


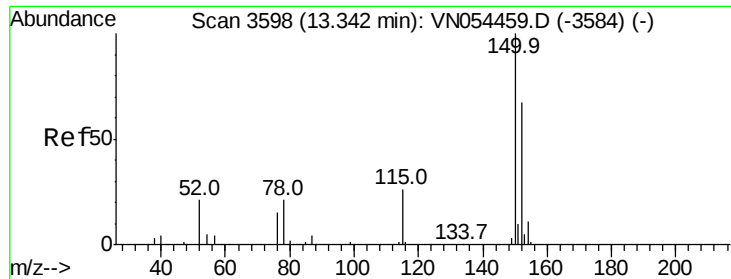
#71
Bromoform
Concen: 2.593 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054525.D
Acq: 21 Mar 2019 21:40

Tgt Ion:173 Resp: 1671
Ion Ratio Lower Upper
173 100
175 1339.3 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampleId :

TW-4

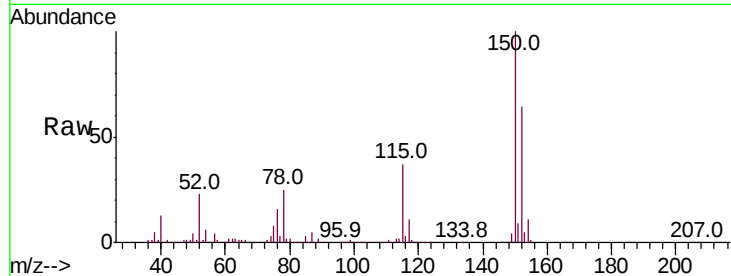
Tot Ion:152 Resp: 330113

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

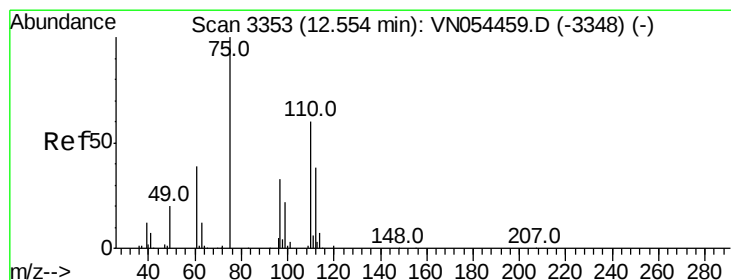
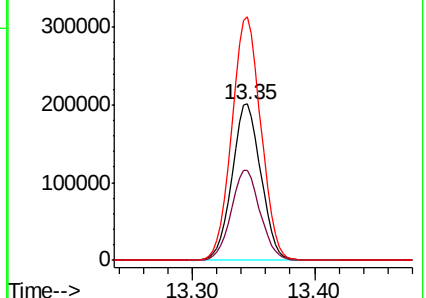
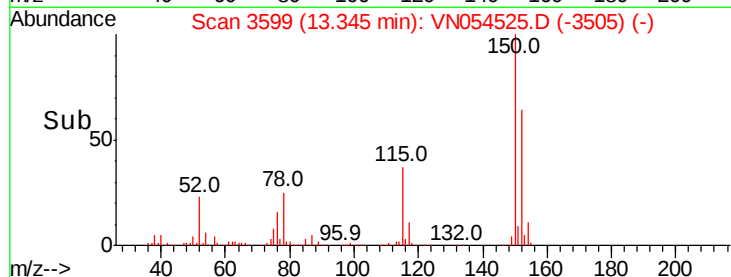
150 157.4 0.0 349.2



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: 39.356 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054525.D

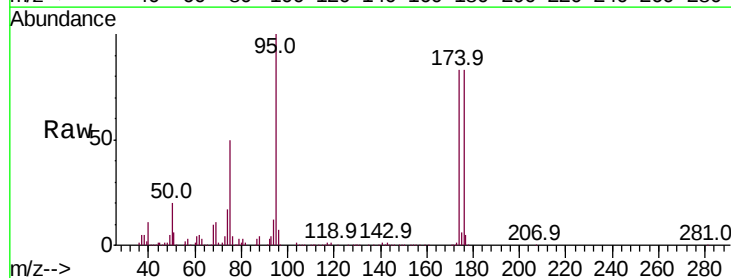
Acq: 21 Mar 2019 21:40

Tgt Ion: 75 Resp: 206160

Ion Ratio Lower Upper

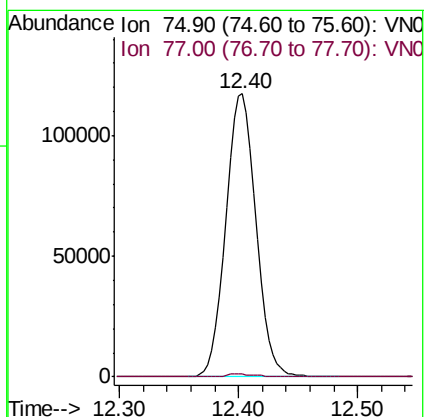
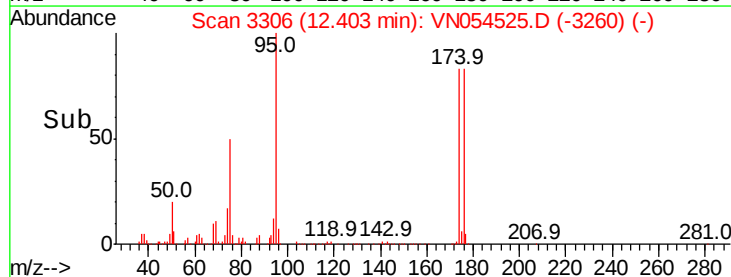
75 100

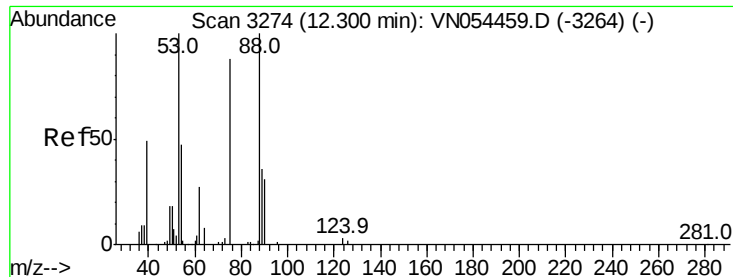
77 1.1 0.0 0.0#



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: 130.238 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054525.D

Acq: 21 Mar 2019 21:40

Instrument :

MSVOA_N

ClientSampleId :

TW-4

Tot Ion: 75 Resp: 206160

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.1 39.2 58.8#

