

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054586.D
 Acq On : 23 Mar 2019 5:05
 Operator : JC/SP
 Sample : K2045-12
 Misc : 6.20g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB434-190320-(25-27)ME

Quant Time: Mar 23 05:32:27 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	541565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	854674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	300815	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	349673	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	7.59	113	260673	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	10.09	98	1049262	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	341628	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

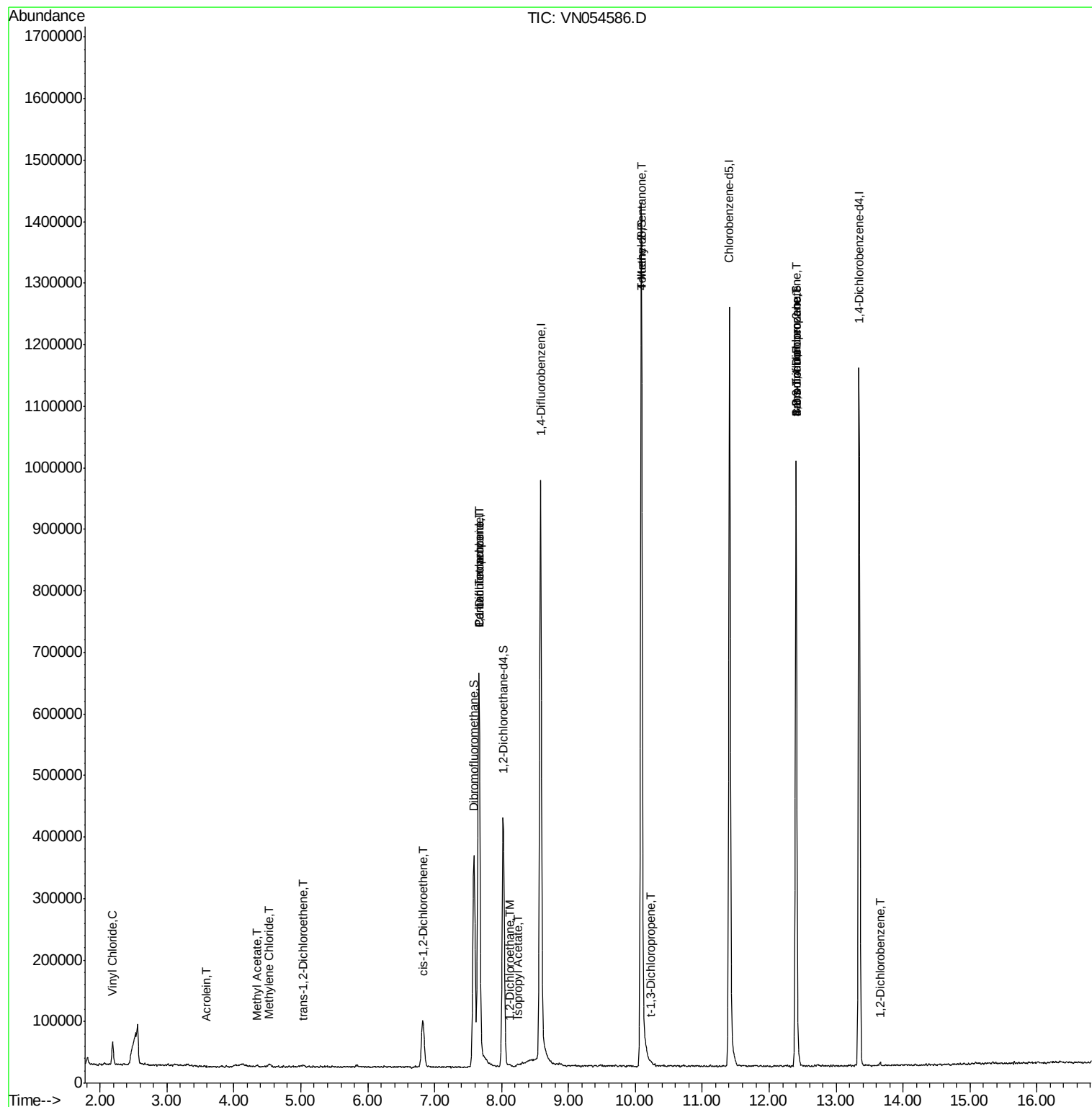
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	34482	4.876	ug/l	98
13) Acrolein	3.59	56	252	0.448	ug/l #	57
18) Methyl Acetate	4.34	43	1748	0.387	ug/l #	61
20) Methylene Chloride	4.53	84	2562	0.429	ug/l #	87
21) trans-1,2-Dichloroethene	5.03	96	1712	0.321	ug/l	93
27) cis-1,2-Dichloroethene	6.82	96	49555	7.789	ug/l	97
31) Cyclohexane	7.66	56	11274	Below Cal	#	28
36) 1,1-Dichloropropene	7.66	75	41499	5.193	ug/l #	48
38) Carbon Tetrachloride	7.66	117	51874	6.680	ug/l #	16
42) 1,2-Dichloroethane	8.13	62	3315	0.398	ug/l #	75
43) Isopropyl Acetate	8.24	43	2042	0.213	ug/l #	60
51) 4-Methyl-2-Pentanone	10.08	43	5280	0.993	ug/l #	1
53) t-1,3-Dichloropropene	10.24	75	343	2.273	ug/l #	42
71) Bromoform	12.40	173	1756	2.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	173021	36.246	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	173021	120.199	ug/l #	11
91) 1,2-Dichlorobenzene	13.65	146	2084	0.216	ug/l	84

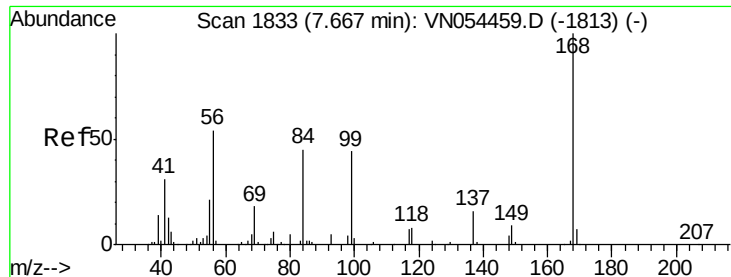
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

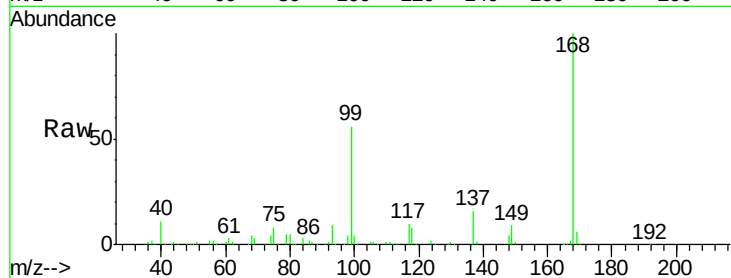
WP022SB434-190320-(25-27)ME

Tot Ion:168 Resp: 541565

Ion Ratio Lower Upper

168 100

99 55.5 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

250000

200000

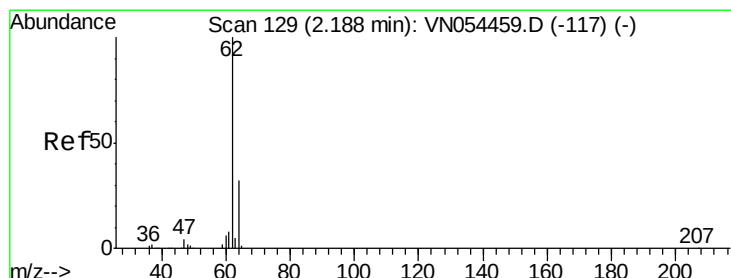
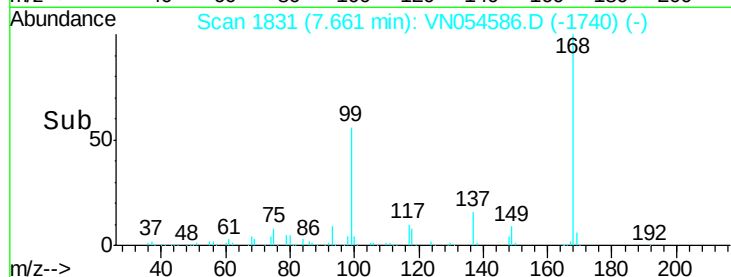
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.876 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054586.D

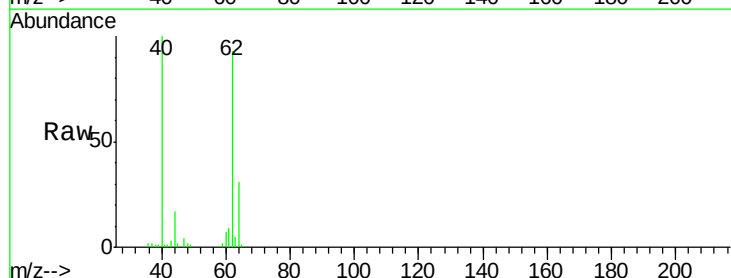
Acq: 23 Mar 2019 5:05

Tgt Ion: 62 Resp: 34482

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

25000

20000

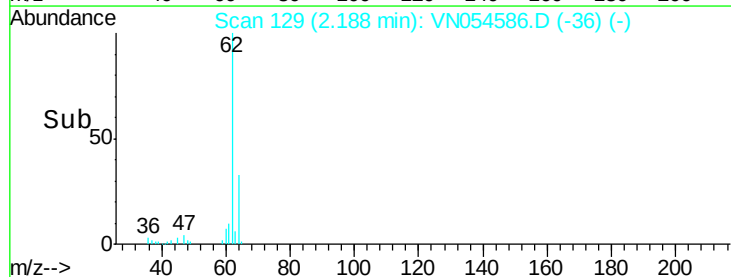
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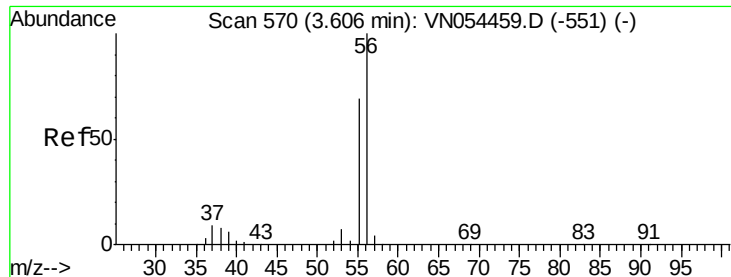
10000

5000

0

Time-->





#13

Acrolein

Concen: 0.448 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

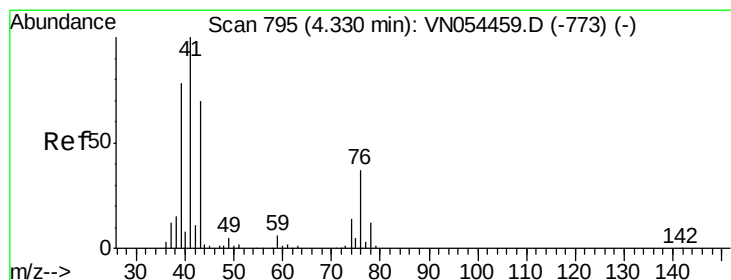
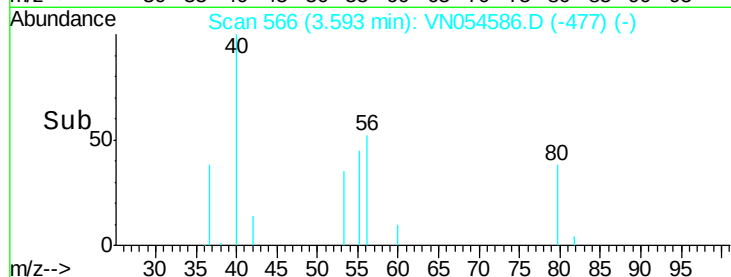
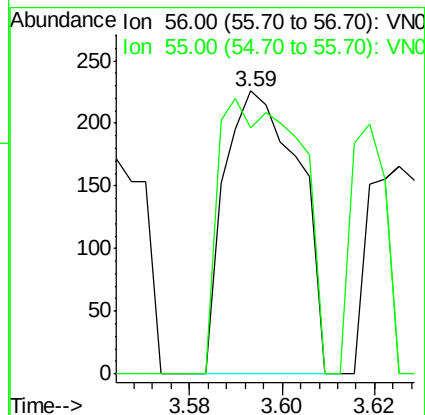
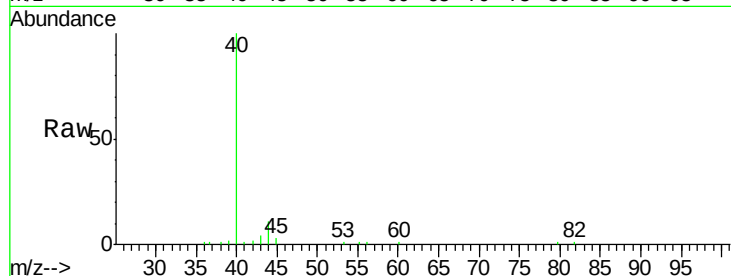
WP022SB434-190320-(25-27)ME

Tot Ion: 56 Resp: 252

Ion Ratio Lower Upper

56 100

55 106.7 56.7 85.1#



#18

Methyl Acetate

Concen: 0.387 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.01 min

Lab File: VN054586.D

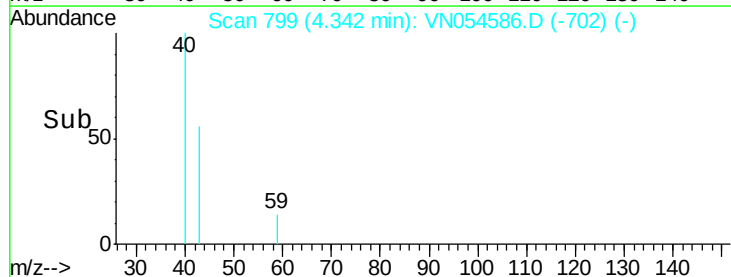
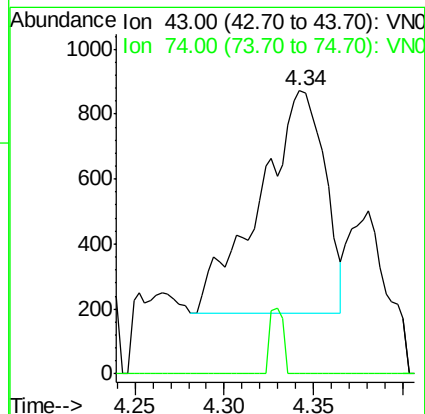
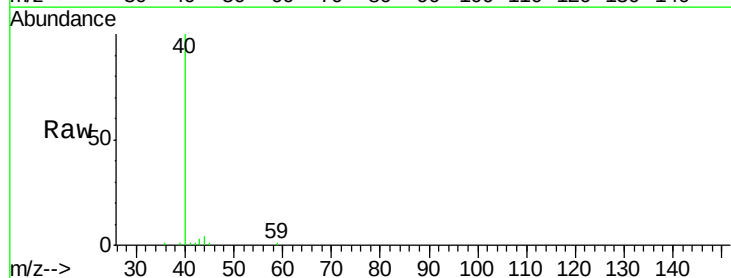
Acq: 23 Mar 2019 5:05

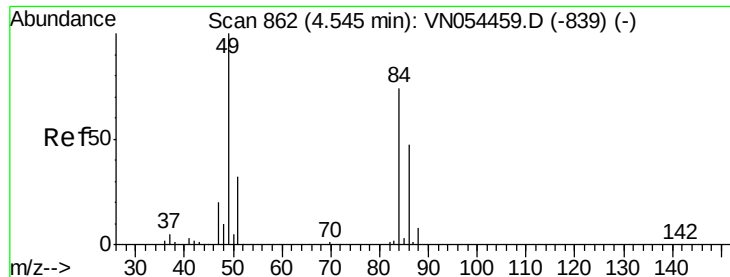
Tgt Ion: 43 Resp: 1748

Ion Ratio Lower Upper

43 100

74 6.2 20.8 31.2#

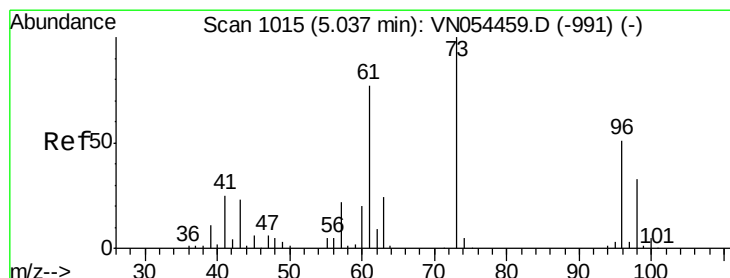
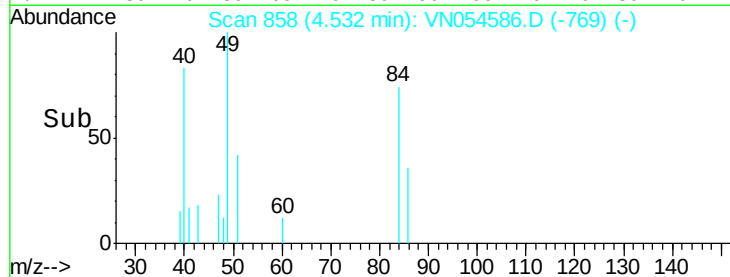
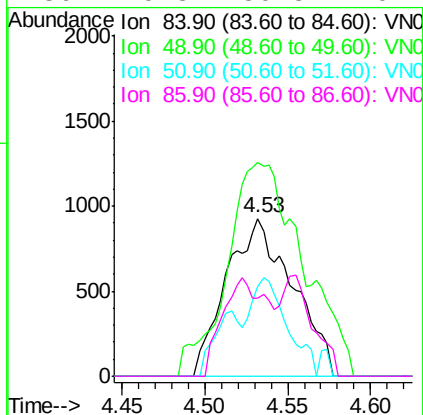
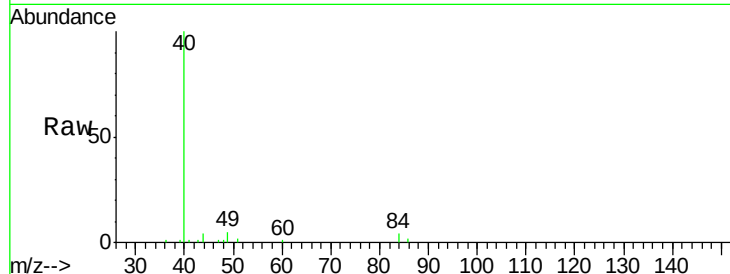




#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN054586.D
Acq: 23 Mar 2019 5:05

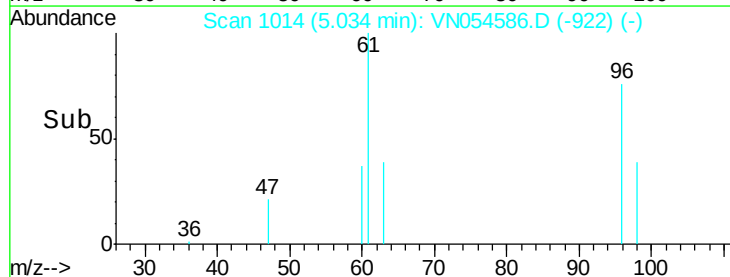
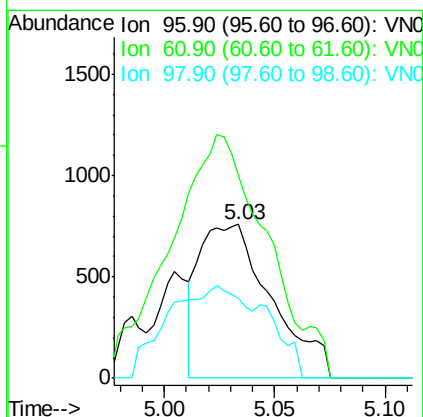
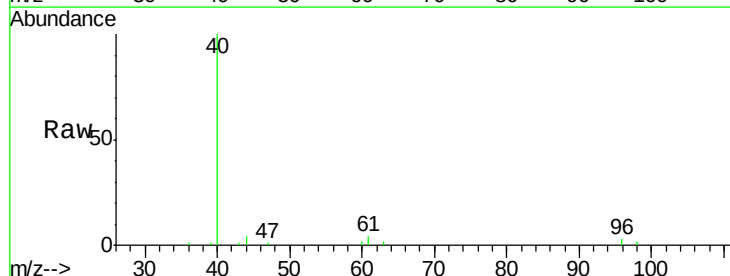
Instrument :
MSVOA_N
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WP022SB434-190320-(25-27)ME

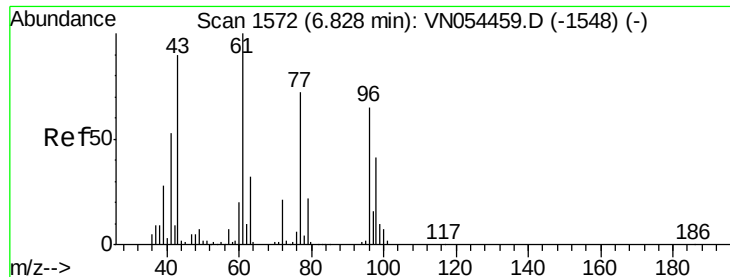
Tot Ion: 84 Resp: 2562
Ion Ratio Lower Upper
84 100
49 115.3 89.7 134.5
51 57.1 28.2 42.4#
86 49.3 50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: 0.321 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054586.D
Acq: 23 Mar 2019 5:05

Tgt Ion: 96 Resp: 1712
Ion Ratio Lower Upper
96 100
61 132.1 102.8 154.2
98 51.6 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 7.789 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(25-27)ME

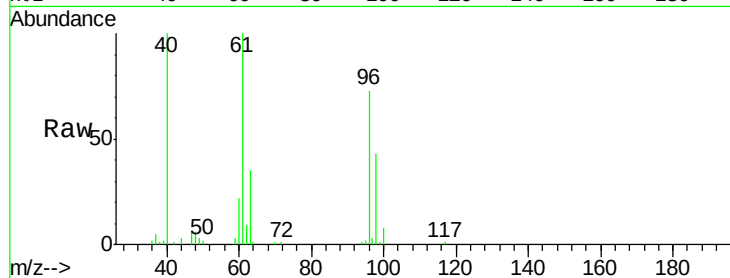
Tot Ion: 96 Resp: 49555

Ion Ratio Lower Upper

96 100

61 140.6 0.0 273.0

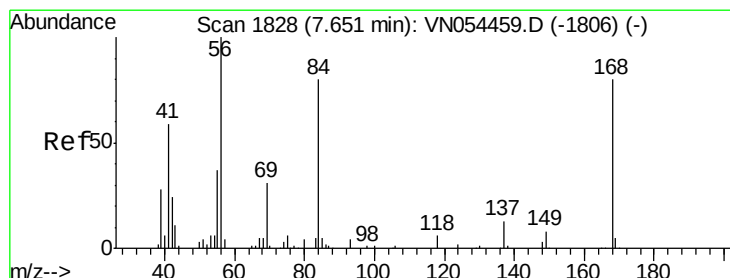
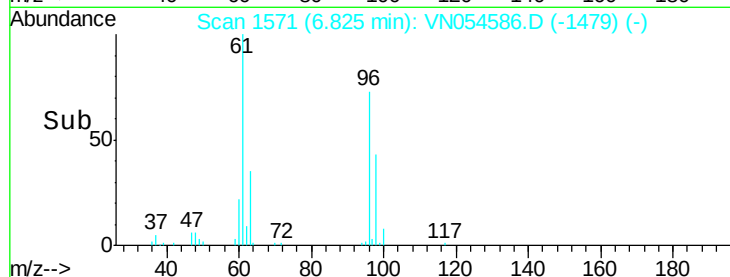
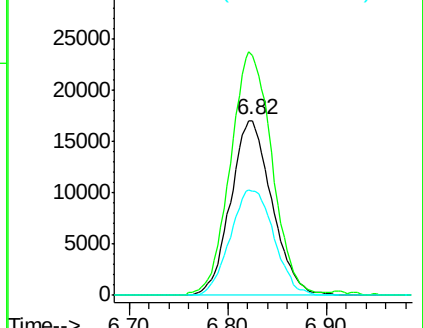
98 63.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

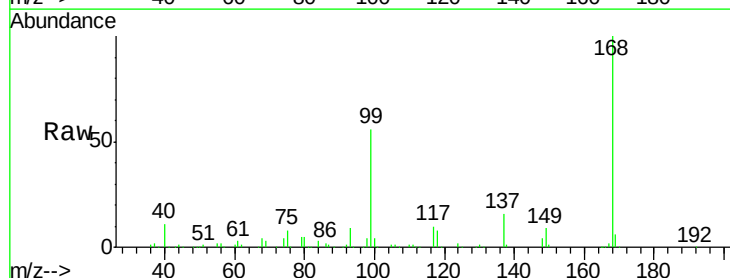
Tgt Ion: 56 Resp: 11274

Ion Ratio Lower Upper

56 100

69 150.6 27.8 41.6#

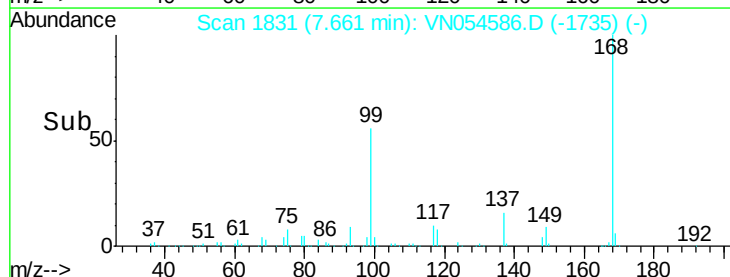
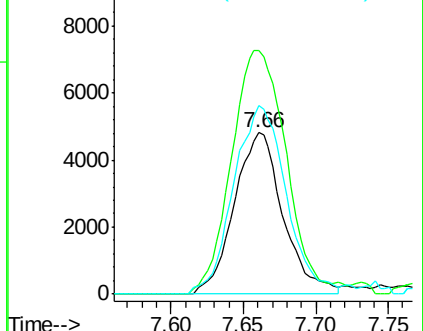
84 116.9 74.6 111.8#

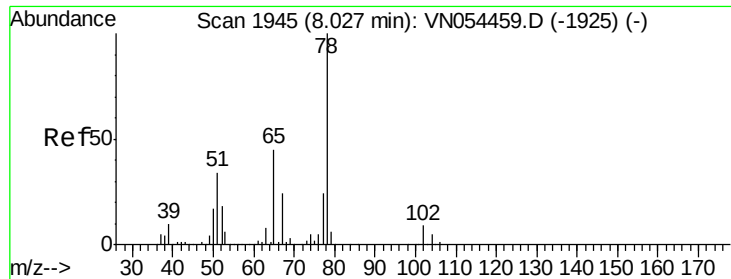


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

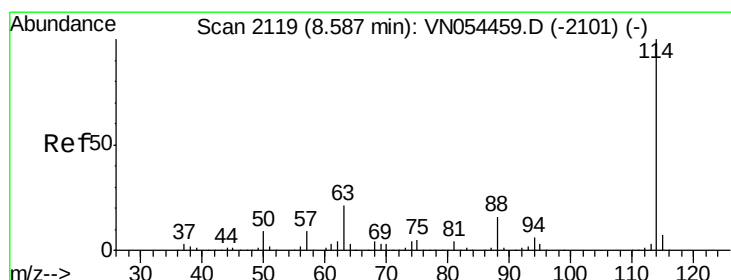
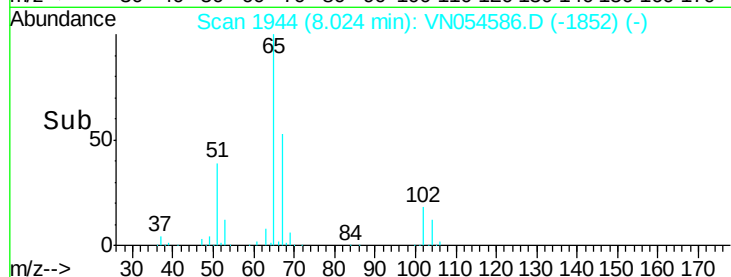
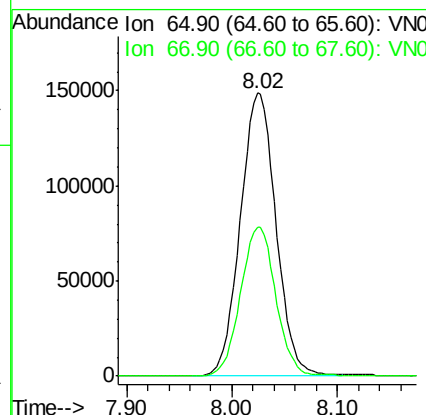
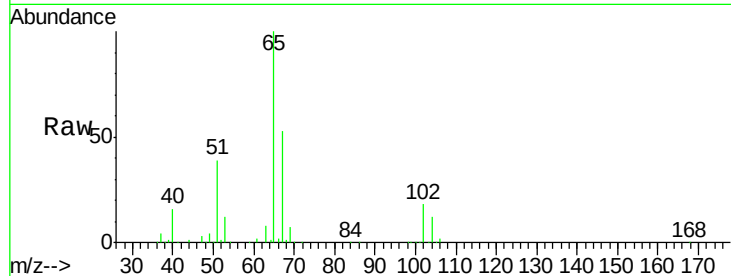




#33
 1,2-Dichloroethane-d4
 Concen: 51.910 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054586.D
 Acq: 23 Mar 2019 5:05

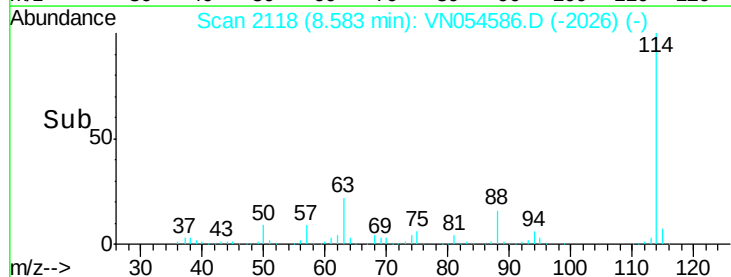
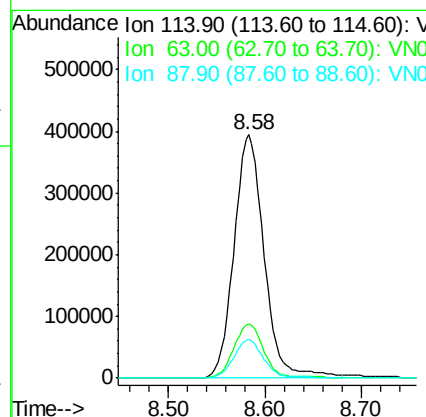
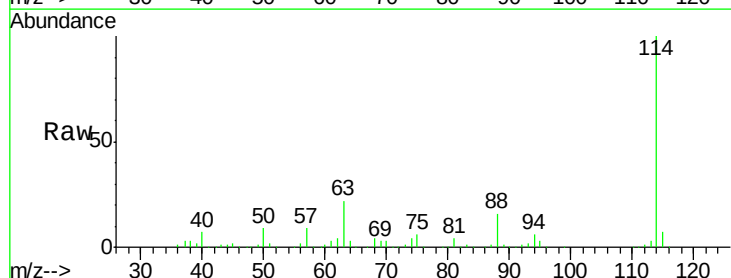
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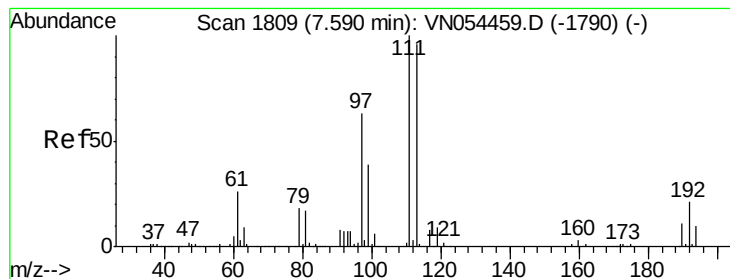
Tot Ion: 65 Resp: 349673
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054586.D
 Acq: 23 Mar 2019 5:05

Tgt Ion: 114 Resp: 854674
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.342 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(25-27)ME

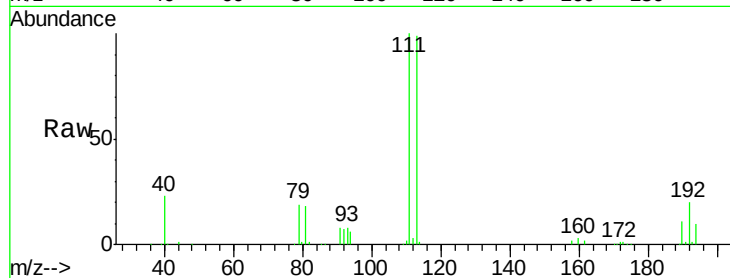
Tot Ion:113 Resp: 260673

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

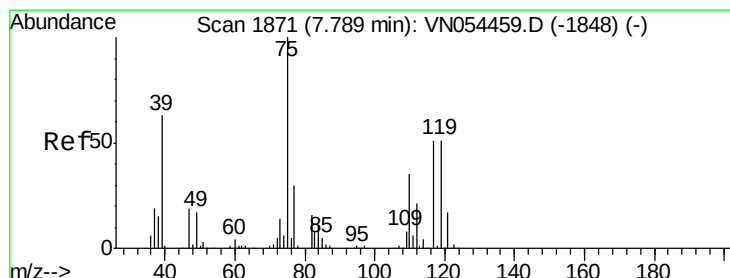
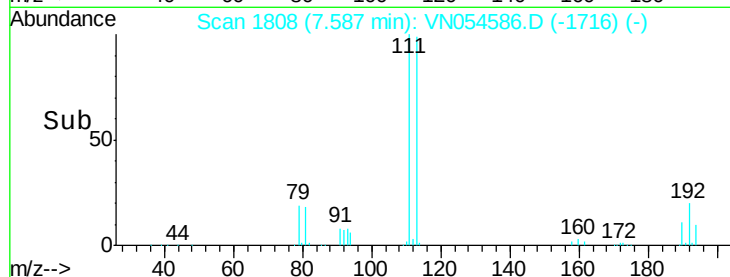
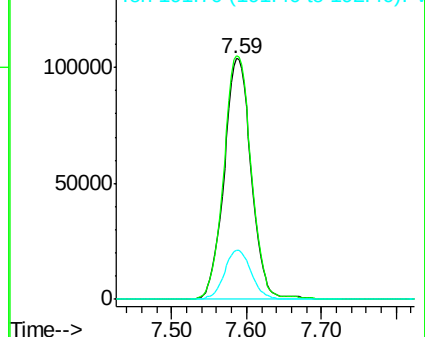
192 20.2 19.2 28.8



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: 5.193 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

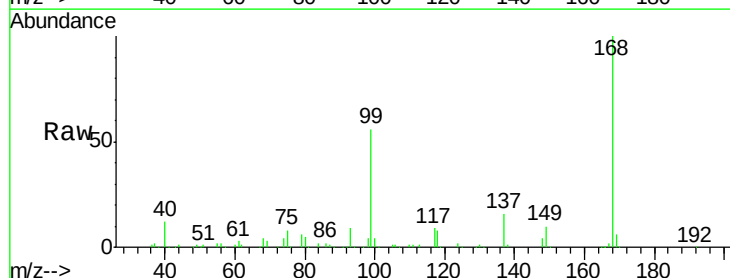
Tgt Ion: 75 Resp: 41499

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.5#

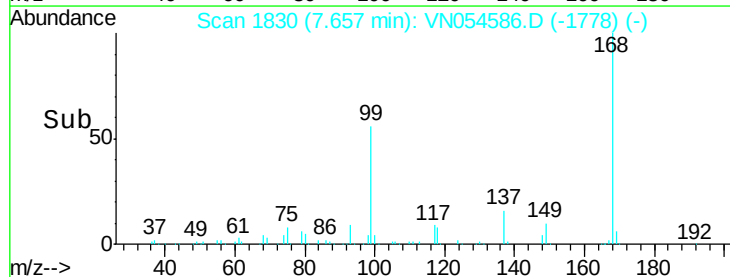
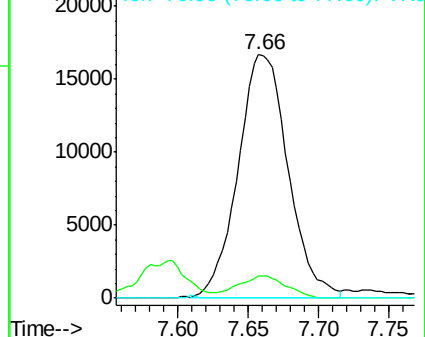
77 0.0 25.0 37.4#

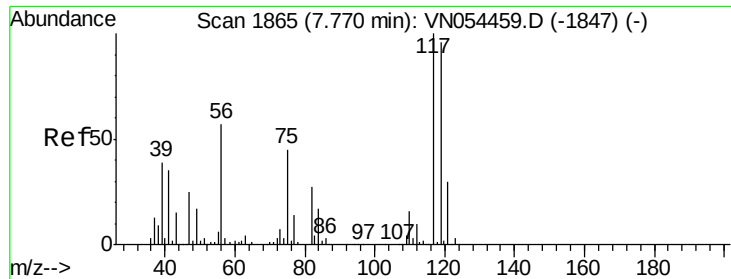


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(25-27)ME

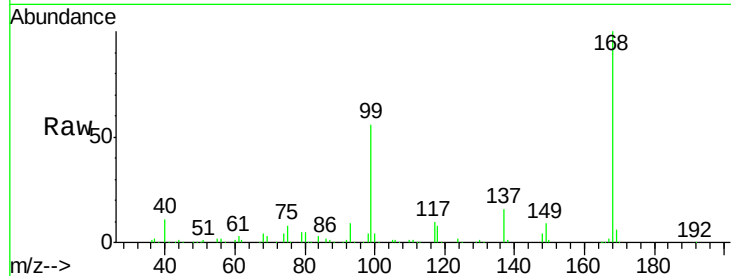
Tot Ion:117 Resp: 51874

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

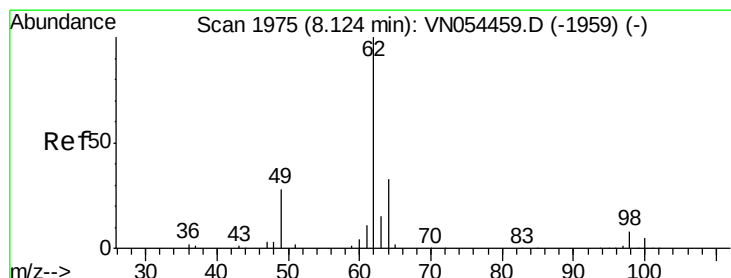
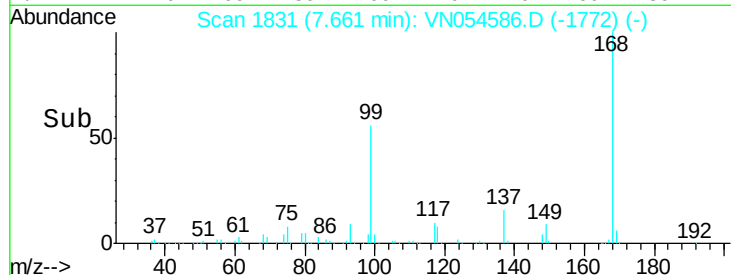
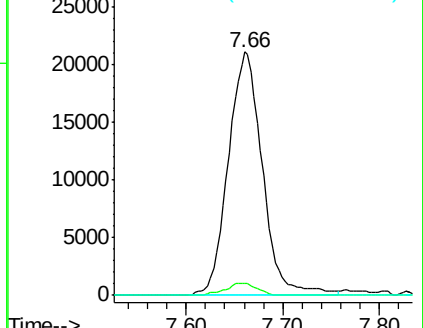
121 0.0 24.6 36.8#



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



#42

1,2-Dichloroethane

Concen: 0.398 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VN054586.D

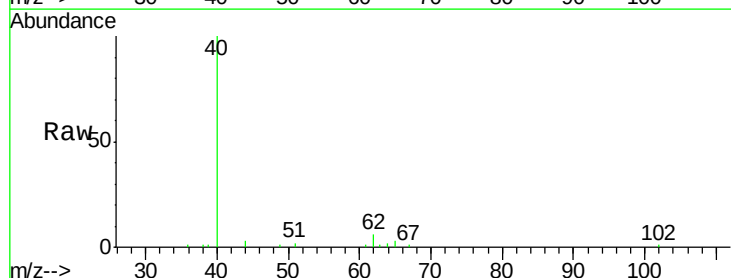
Acq: 23 Mar 2019 5:05

Tgt Ion: 62 Resp: 3315

Ion Ratio Lower Upper

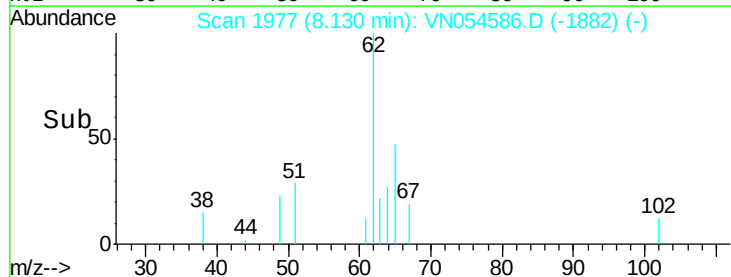
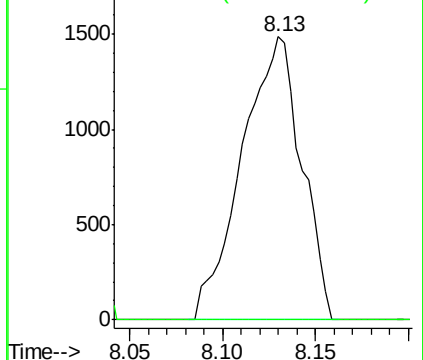
62 100

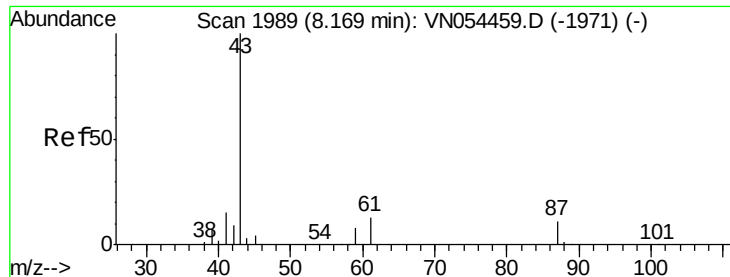
98 0.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.213 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.07 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

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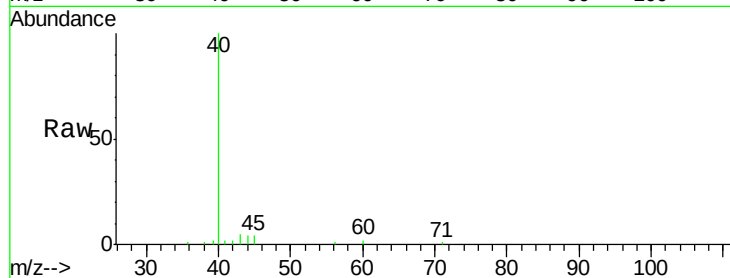
Tot Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

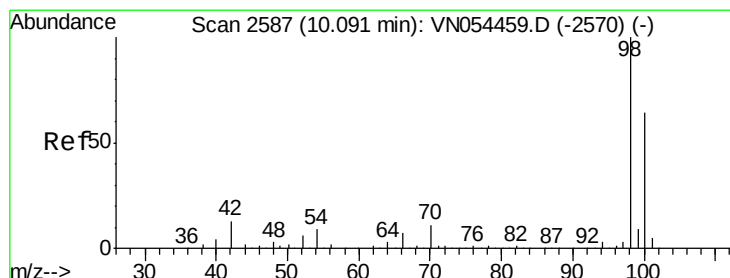
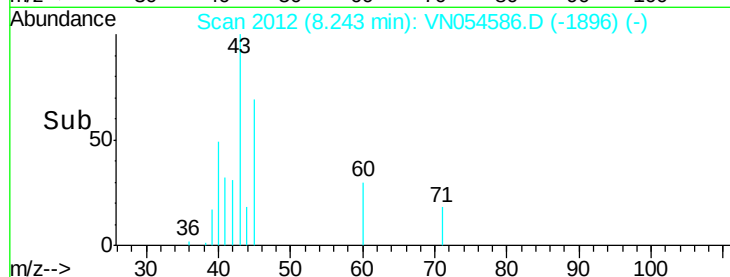
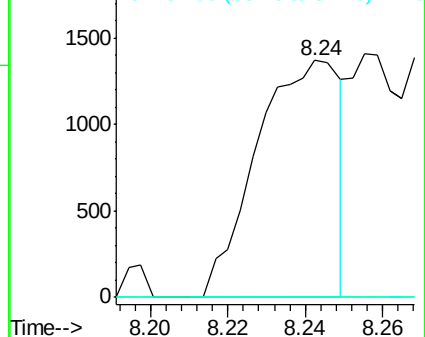
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 50.689 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054586.D

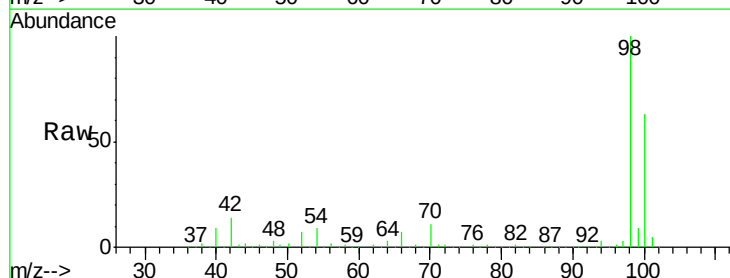
Acq: 23 Mar 2019 5:05

Tgt Ion: 98 Resp: 1049262

Ion Ratio Lower Upper

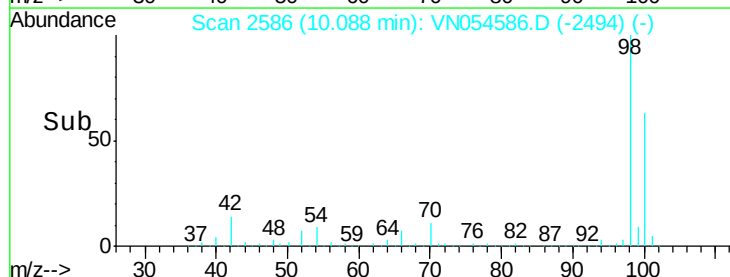
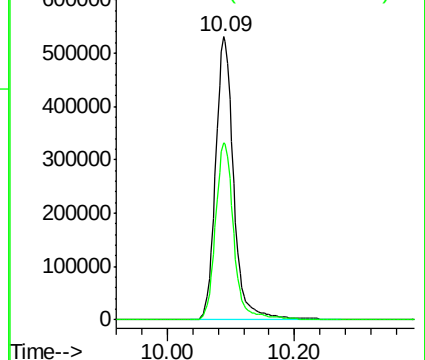
98 100

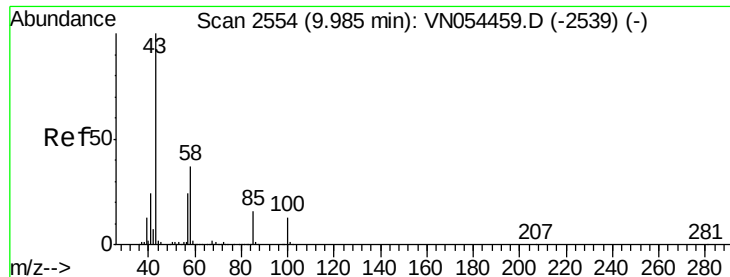
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.993 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

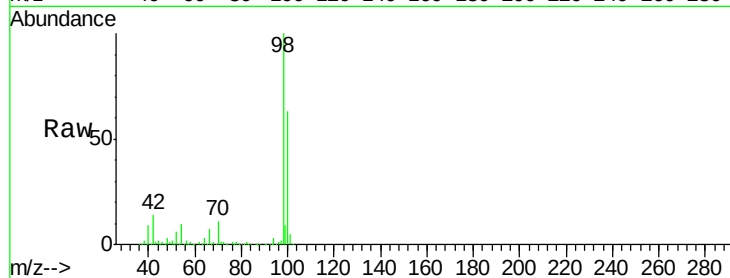
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Tot Ion: 43 Resp: 5280

Ion Ratio Lower Upper

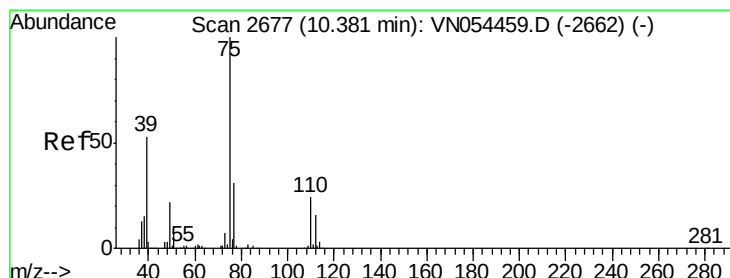
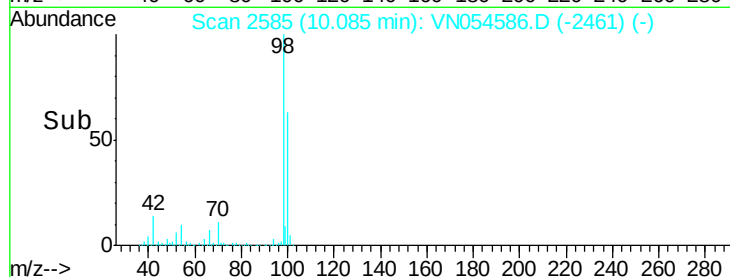
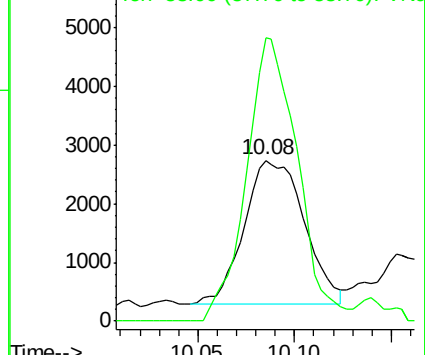
43 100

58 168.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.273 ug/l

RT: 10.24 min Scan# 2634

Delta R.T. -0.14 min

Lab File: VN054586.D

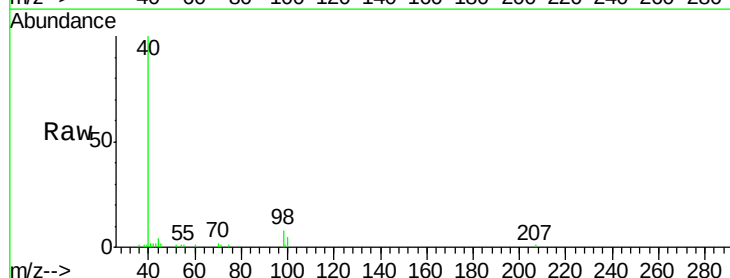
Acq: 23 Mar 2019 5:05

Tgt Ion: 75 Resp: 343

Ion Ratio Lower Upper

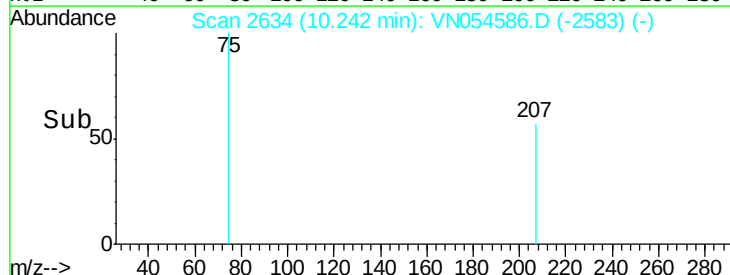
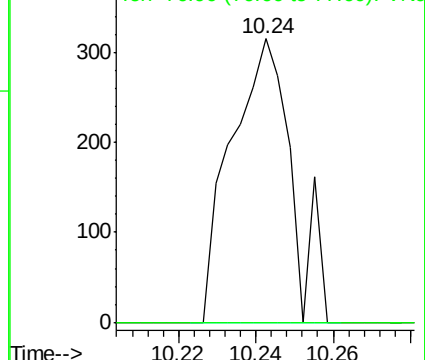
75 100

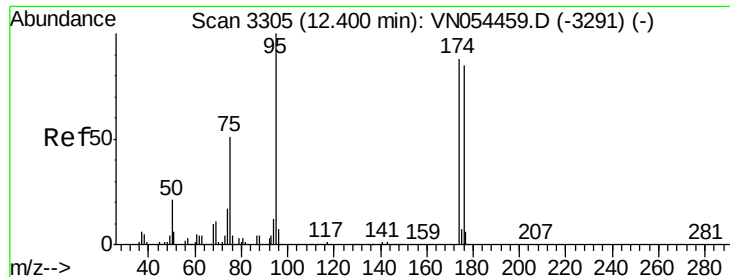
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#62

4-Bromofluorobenzene

Concen: 48.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

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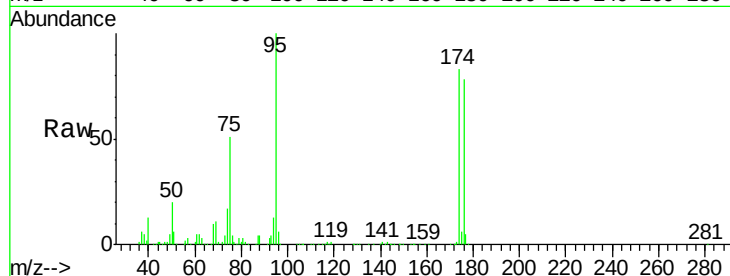
Tot Ion: 95 Resp: 341628

Ion Ratio Lower Upper

95 100

174 82.8 0.0 191.0

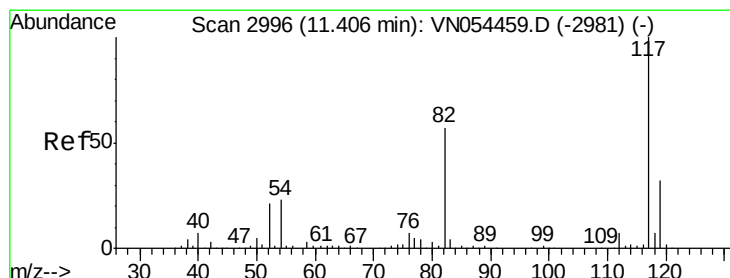
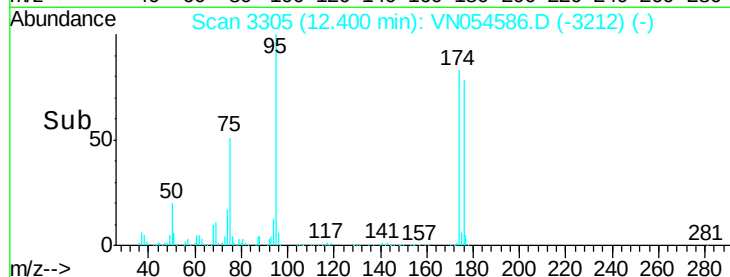
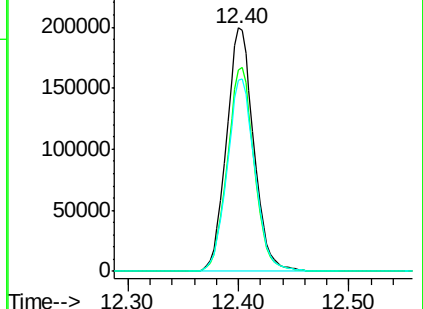
176 80.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

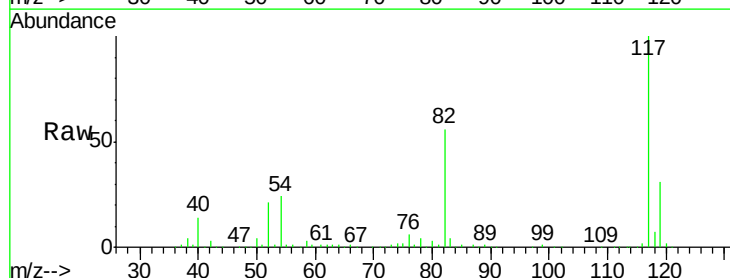
Tgt Ion: 117 Resp: 742792

Ion Ratio Lower Upper

117 100

82 55.7 40.0 60.0

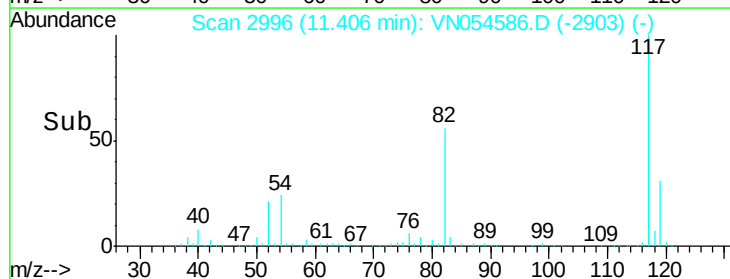
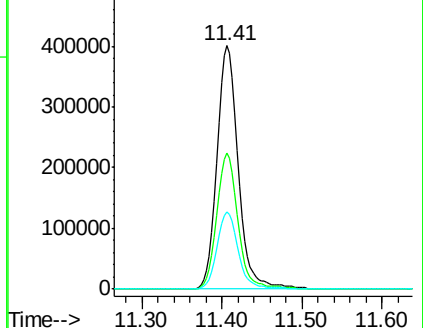
119 31.5 25.8 38.6

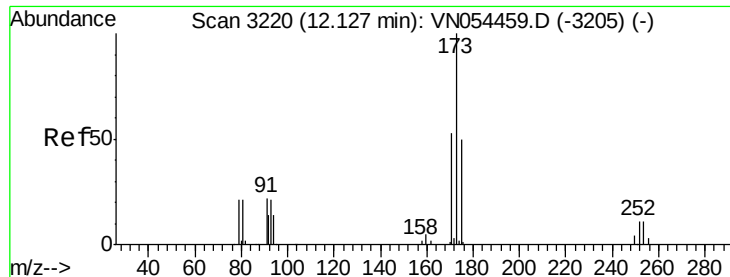


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#71

Bromoform

Concen: 2.669 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(25-27)ME

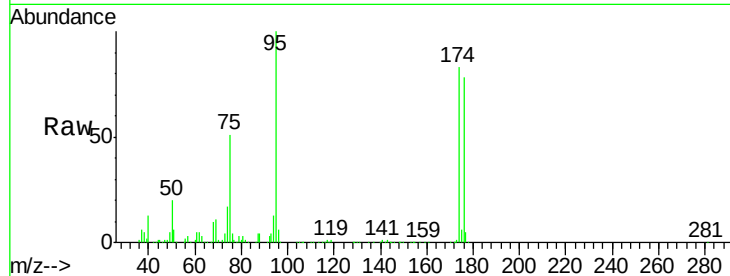
Tot Ion:173 Resp: 1756

Ion Ratio Lower Upper

173 100

175 1044.5 24.4 73.2#

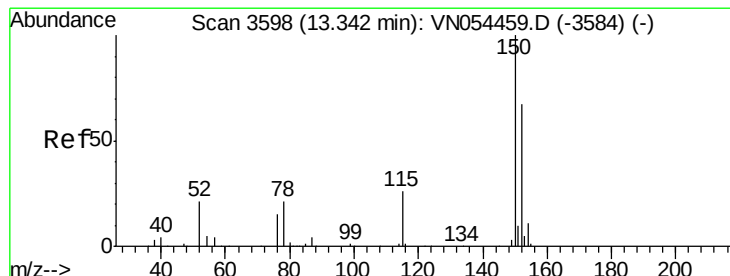
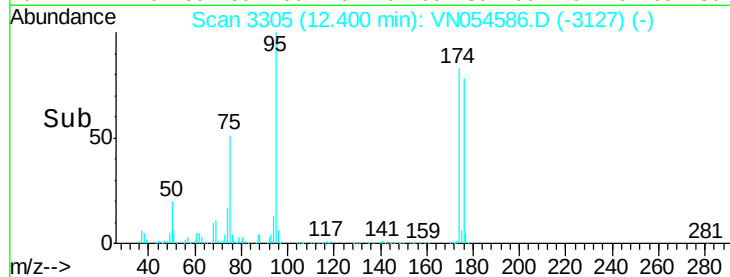
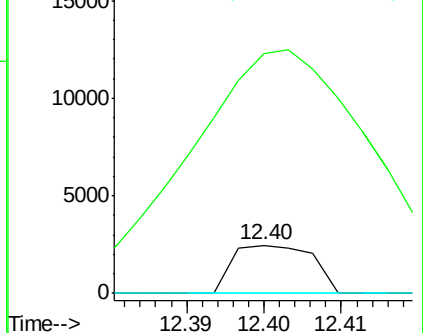
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

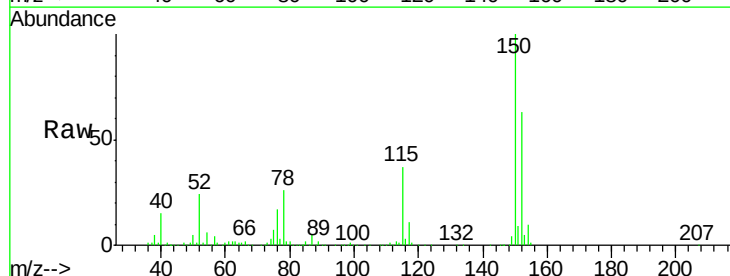
Tgt Ion:152 Resp: 300815

Ion Ratio Lower Upper

152 100

115 58.6 27.2 81.6

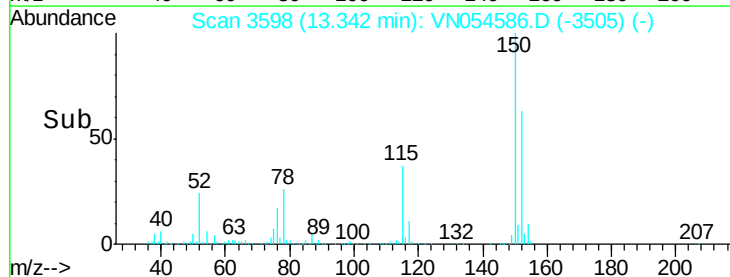
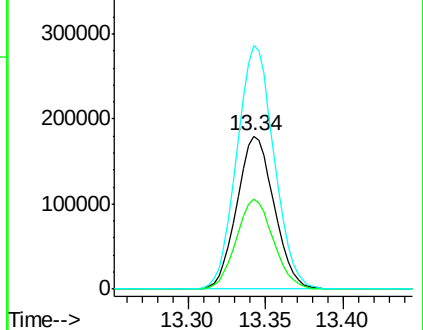
150 159.6 0.0 349.2

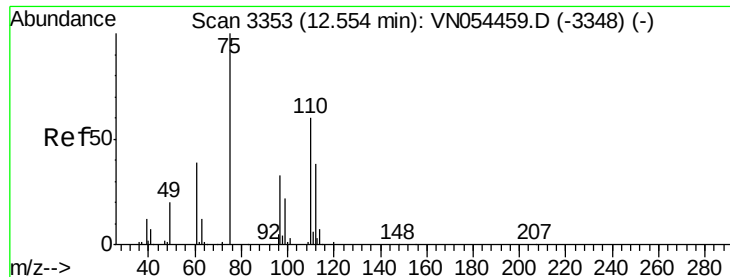


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

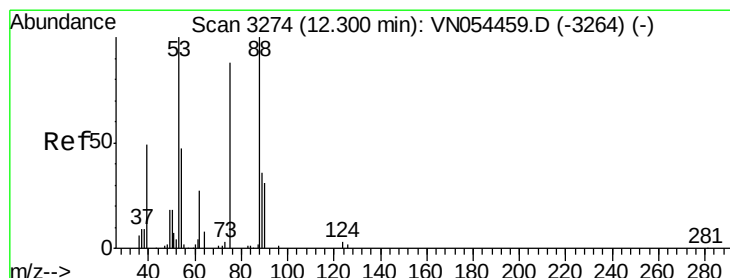
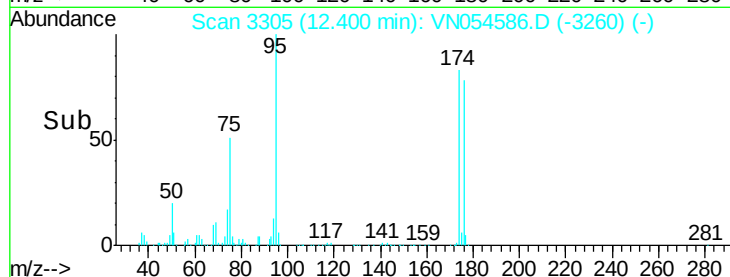
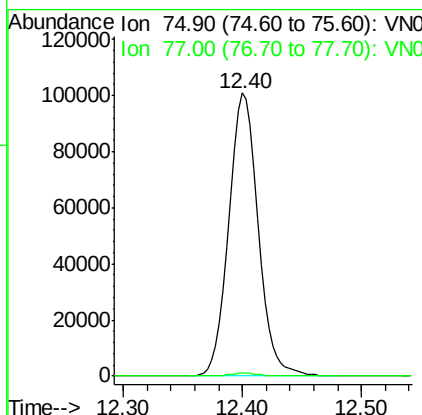
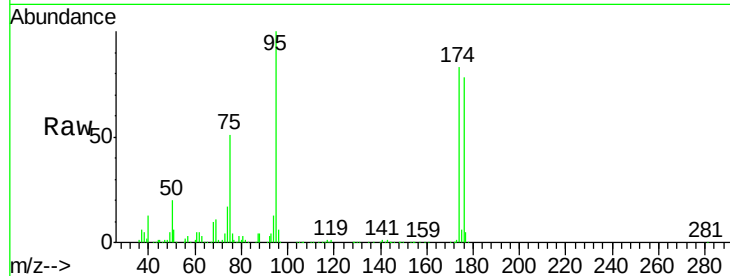




#76
 1,2,3-Trichloropropane
 Concen: 36.246 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054586.D
 Acq: 23 Mar 2019 5:05

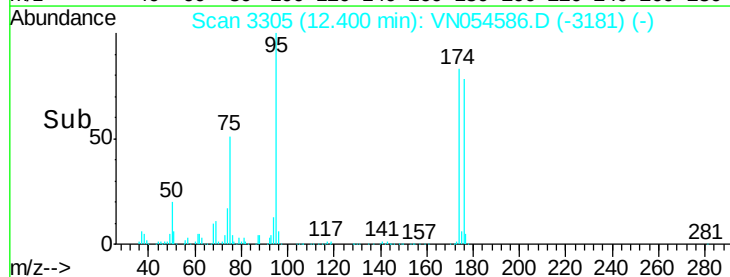
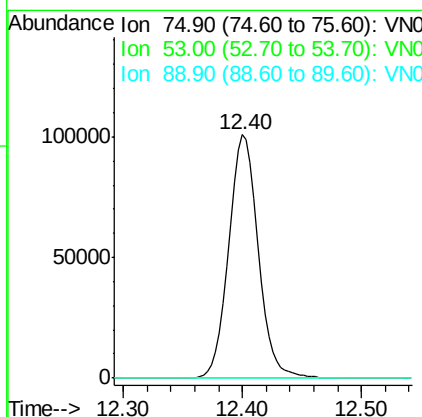
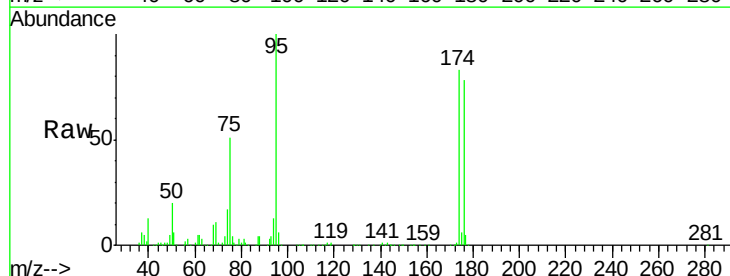
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB434-190320-(25-27)ME

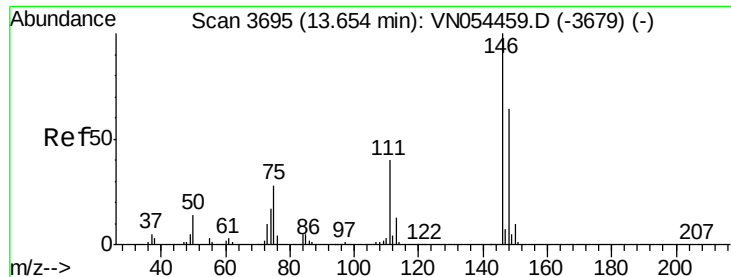
Tot Ion: 75 Resp: 173021
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.199 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054586.D
 Acq: 23 Mar 2019 5:05

Tgt Ion: 75 Resp: 173021
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#





#91

1,2-Dichlorobenzene

Concen: 0.216 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054586.D

Acq: 23 Mar 2019 5:05

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(25-27)ME

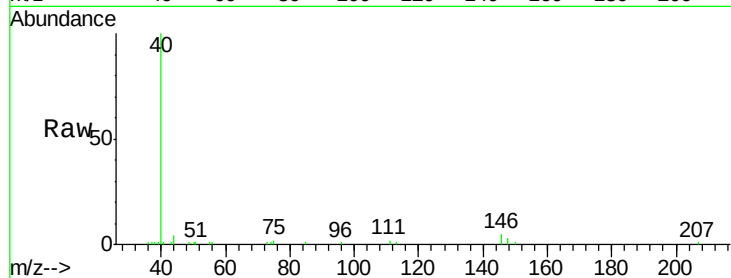
Tot Ion:146 Resp: 2084

Ion Ratio Lower Upper

146 100

111 45.1 19.1 57.3

148 49.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

