

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054585.D
 Acq On : 23 Mar 2019 4:38
 Operator : JC/SP
 Sample : K2045-11
 Misc : 5.81g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB434-190320-(23-25)

Quant Time: Mar 23 05:00:58 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	564260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	884881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	297537	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	358299	51.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.10%	
35) Dibromofluoromethane	7.59	113	262659	46.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.14%	
50) Toluene-d8	10.09	98	1062558	49.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	338258	46.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.76%	

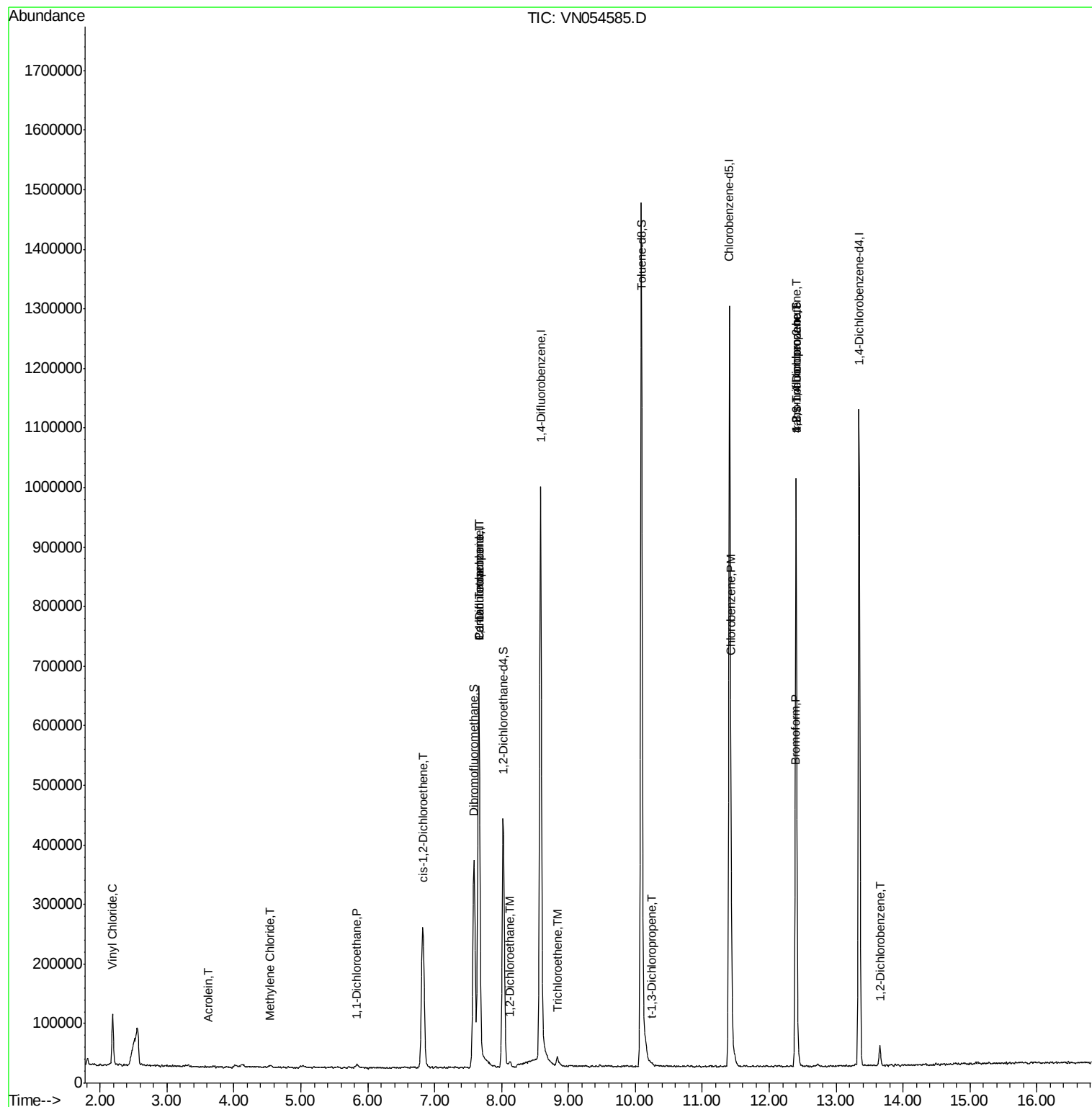
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	79545	10.795	ug/l	97
13) Acrolein	3.62	56	255	0.435	ug/l #	63
20) Methylene Chloride	4.54	84	1500	0.241	ug/l #	82
24) 1,1-Dichloroethane	5.84	63	8756	0.804	ug/l #	93
27) cis-1,2-Dichloroethene	6.82	96	152449	22.998	ug/l	97
31) Cyclohexane	7.66	56	11264	Below Cal	#	10
36) 1,1-Dichloropropene	7.66	75	41249	4.986	ug/l #	47
38) Carbon Tetrachloride	7.66	117	52173	6.489	ug/l #	16
42) 1,2-Dichloroethane	8.12	62	7538	0.875	ug/l	88
44) Trichloroethene	8.83	130	4987	0.758	ug/l	97
53) t-1,3-Dichloropropene	10.26	75	114	2.245	ug/l #	42
65) Chlorobenzene	11.43	112	97358	6.489	ug/l	96
71) Bromoform	12.38	173	96	2.245	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	169946	35.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169946	119.386	ug/l #	11
91) 1,2-Dichlorobenzene	13.65	146	15053	1.577	ug/l	97

(#) = 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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Instrument :

MSVOA_N

ClientSampleId :

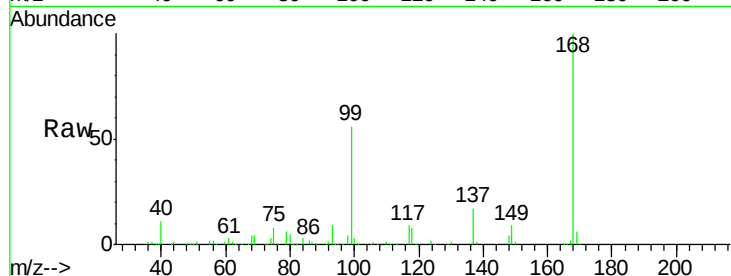
WP022SB434-190320-(23-25)

Tot Ion:168 Resp: 564260

Ion Ratio Lower Upper

168 100

99 55.7 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

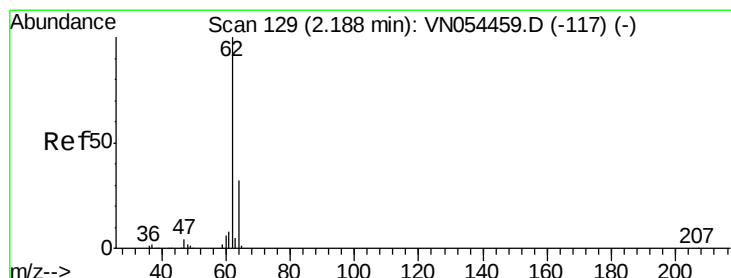
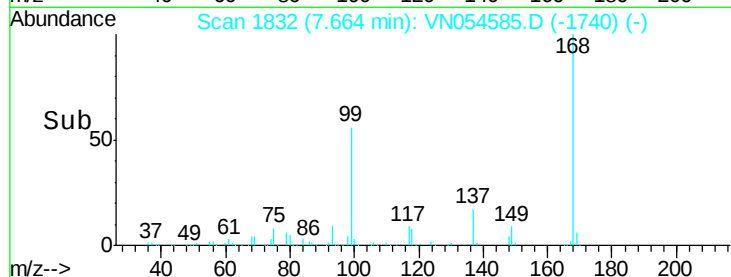
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 10.795 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054585.D

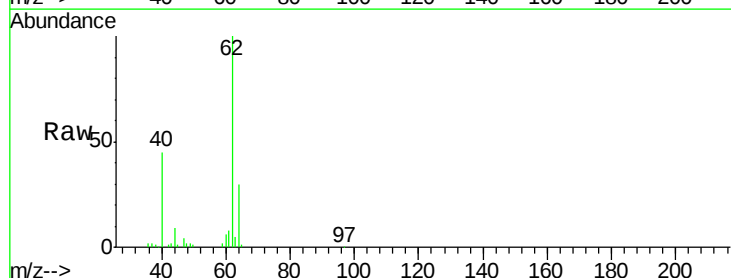
Acq: 23 Mar 2019 4:38

Tgt Ion: 62 Resp: 79545

Ion Ratio Lower Upper

62 100

64 30.1 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

60000

50000

40000

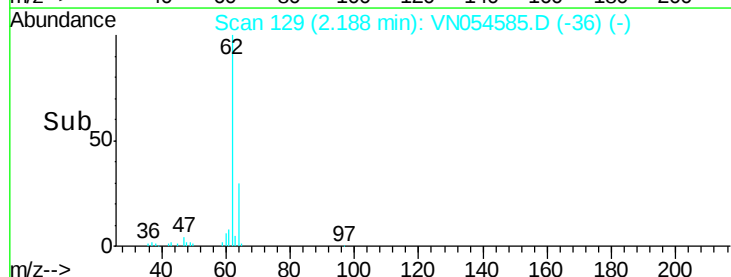
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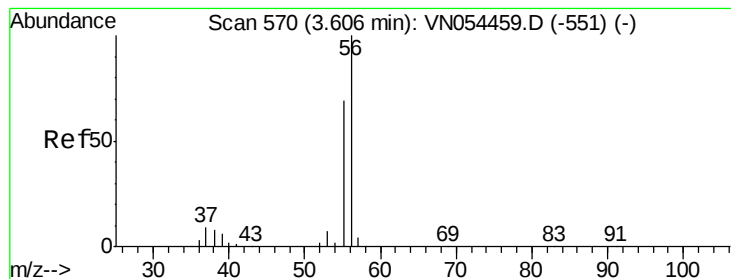
20000

10000

0

Time-->





#13

Acrolein

Concen: 0.435 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Instrument :

MSVOA_N

ClientSampleId :

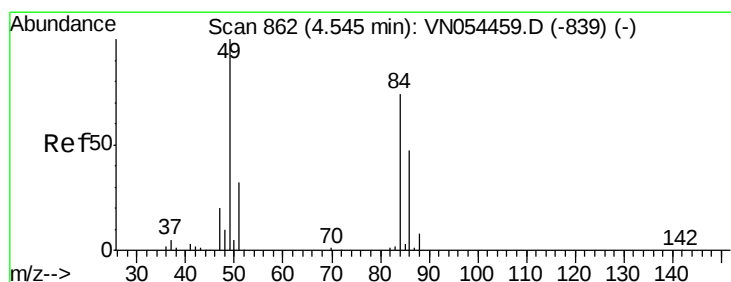
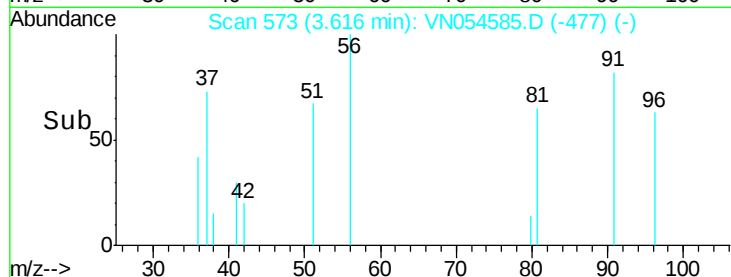
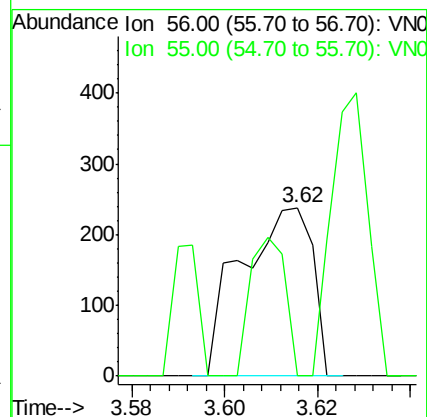
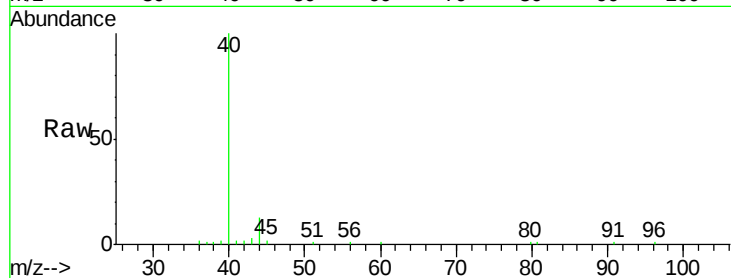
WP022SB434-190320-(23-25)

Tot Ion: 56 Resp: 255

Ion Ratio Lower Upper

56 100

55 40.4 56.7 85.1#



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 4.54 min Scan# 859

Delta R.T. -0.01 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Tgt Ion: 84 Resp: 1500

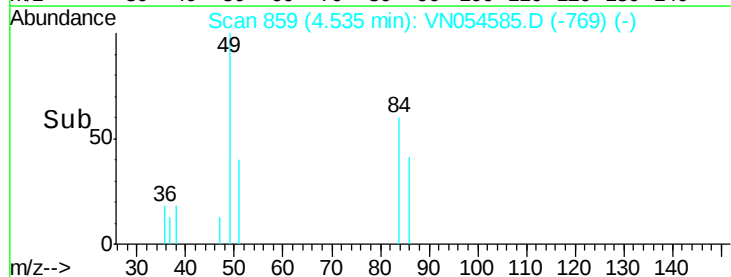
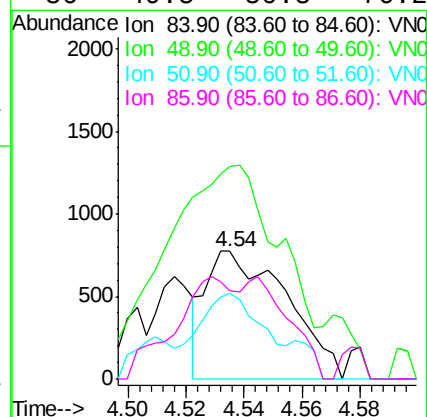
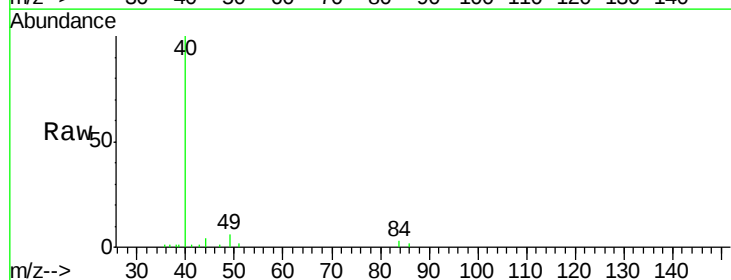
Ion Ratio Lower Upper

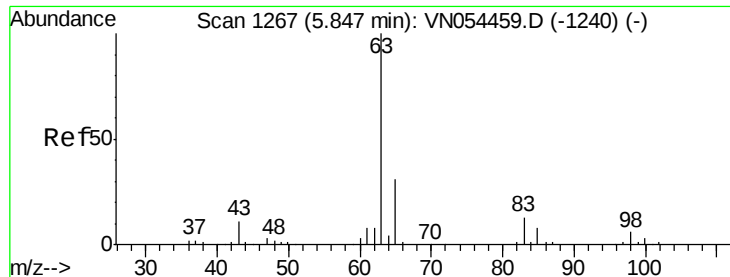
84 100

49 118.5 89.7 134.5

51 67.1 28.2 42.4#

86 49.5 50.8 76.2#





#24

1,1-Dichloroethane

Concen: 0.804 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Instrument :

MSVOA_N

ClientSampleId :

WP022SB434-190320-(23-25)

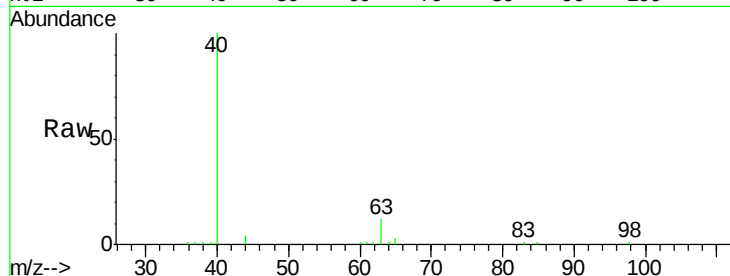
Tot Ion: 63 Resp: 8756

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

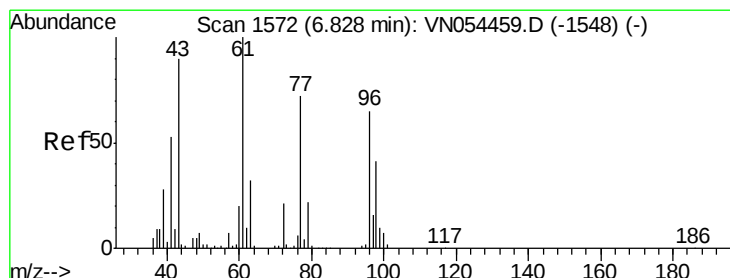
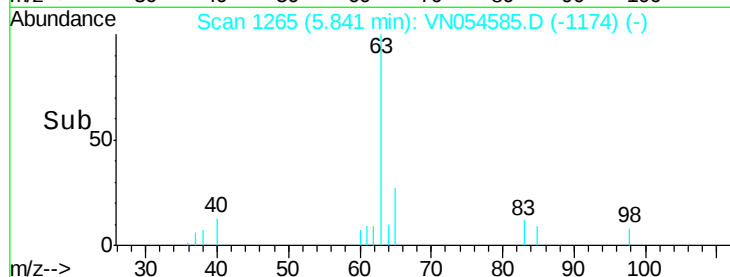
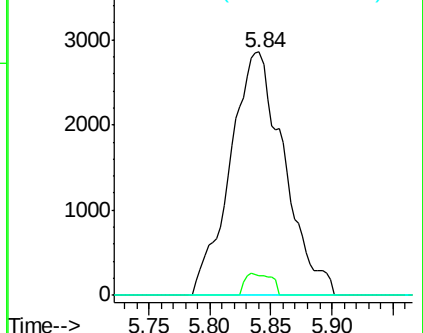
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 22.998 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

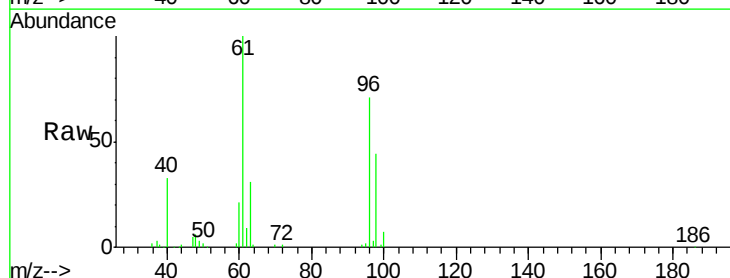
Tgt Ion: 96 Resp: 152449

Ion Ratio Lower Upper

96 100

61 141.8 0.0 273.0

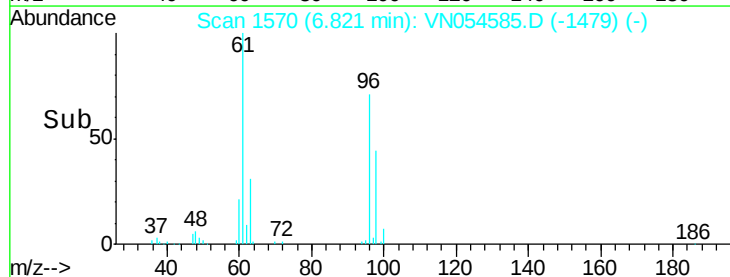
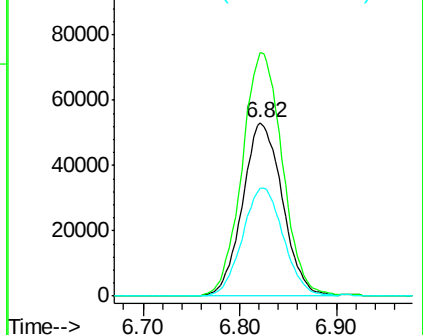
98 64.2 0.0 130.6

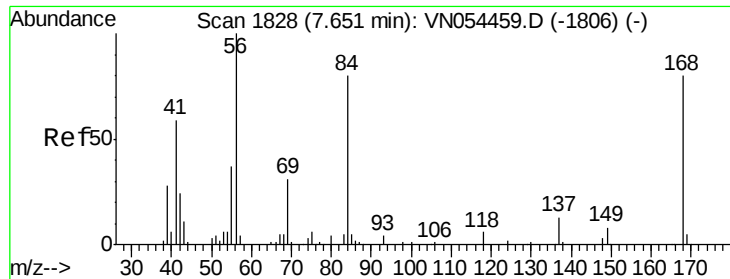


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

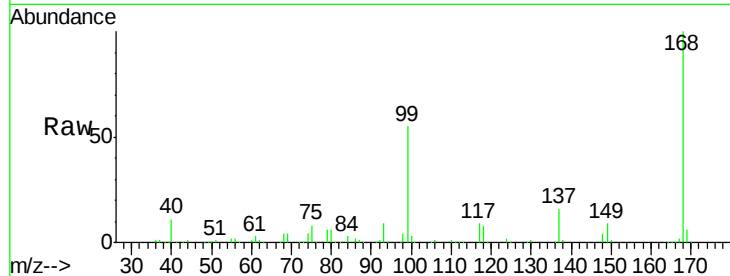




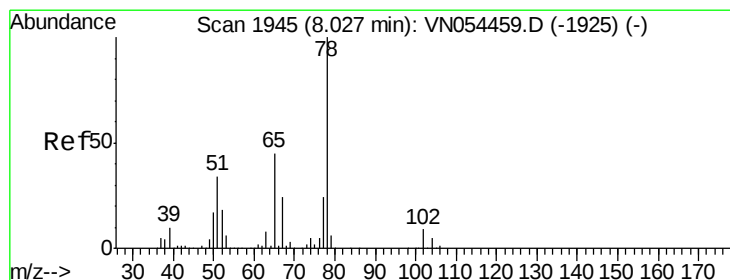
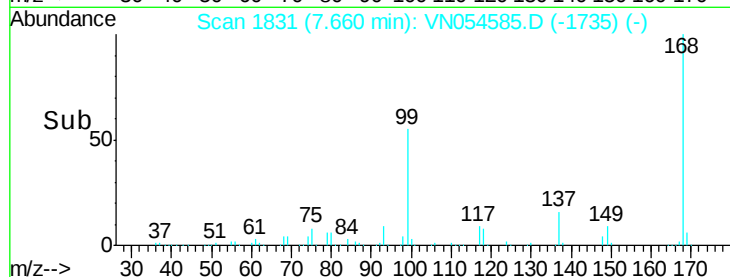
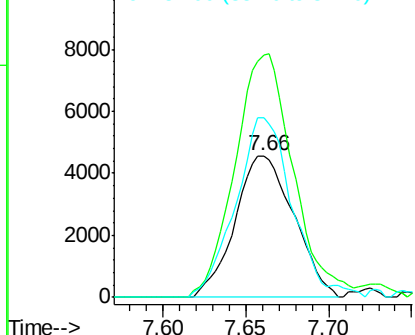
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Instrument :
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Tot Ion: 56 Resp: 11264
Ion Ratio Lower Upper
56 100
69 171.3 27.8 41.6#
84 127.1 74.6 111.8#

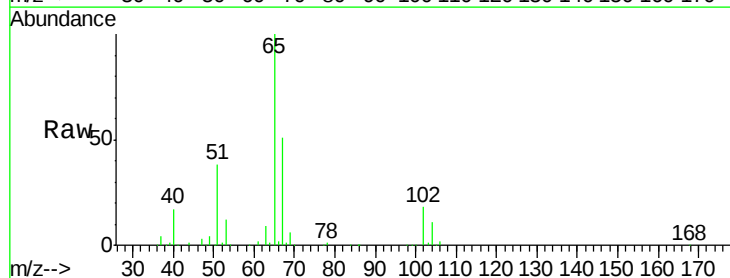


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

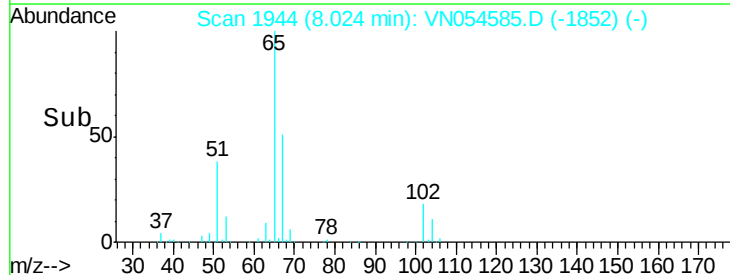
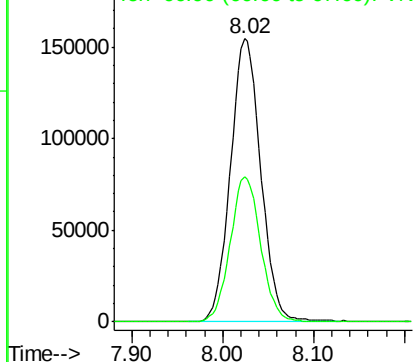


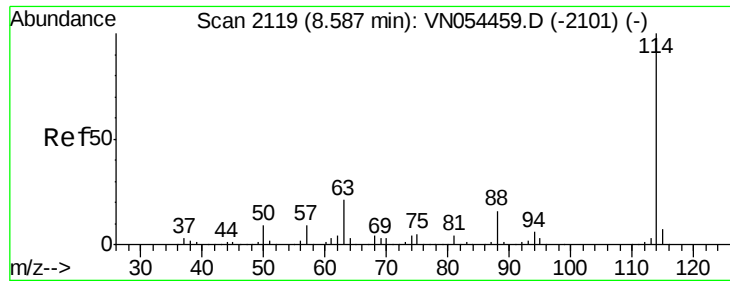
#33
1,2-Dichloroethane-d4
Concen: 51.051 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion: 65 Resp: 358299
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

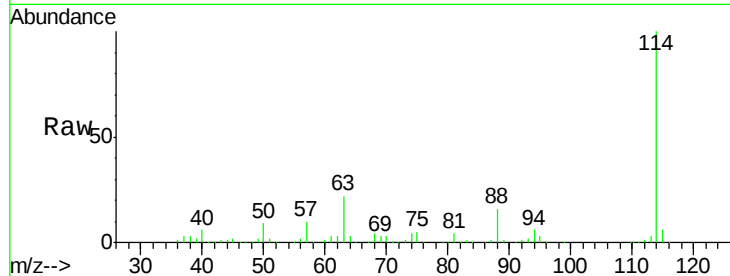




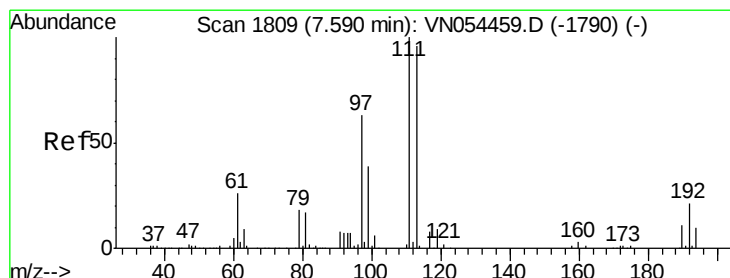
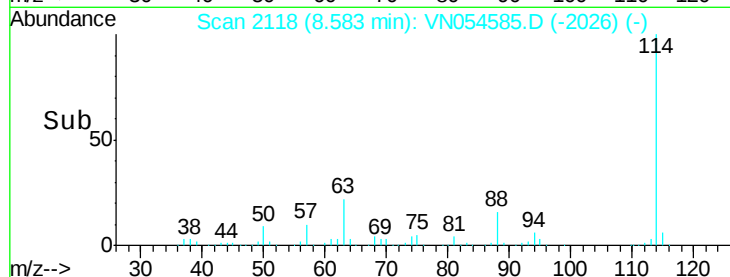
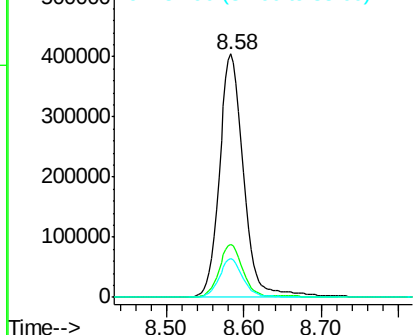
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:114 Resp: 884881
Ion Ratio Lower Upper
114 100
63 21.8 0.0 35.2
88 15.9 0.0 30.2

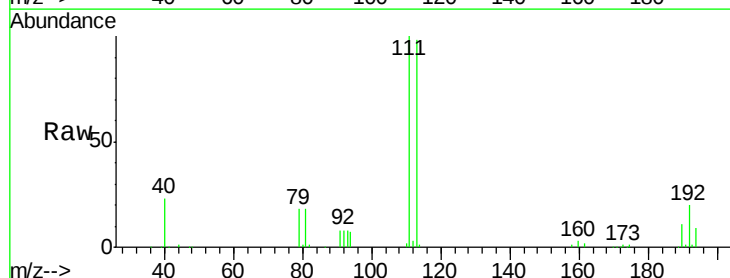


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

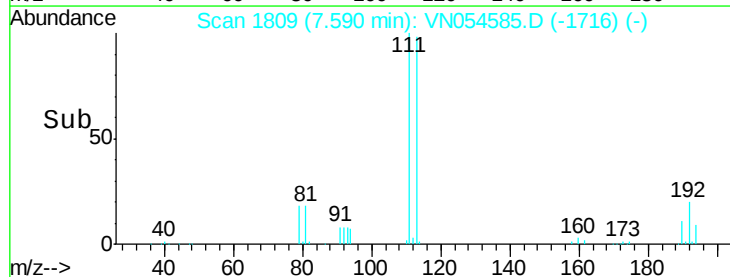
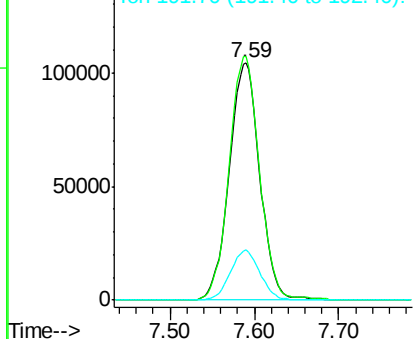


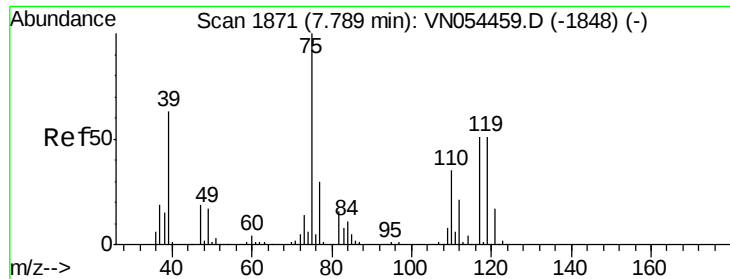
#35
Dibromofluoromethane
Concen: 46.074 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion:113 Resp: 262659
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 20.5 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: 4.986 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Instrument :

MSVOA_N

ClientSampleId :

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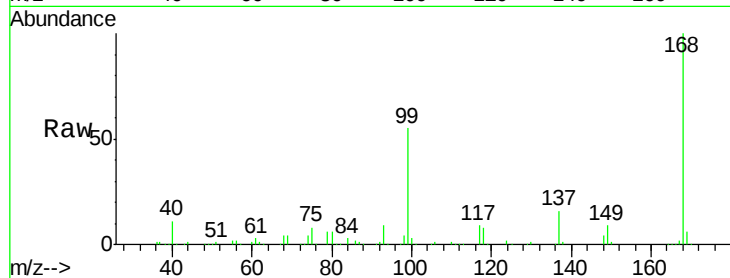
Tot Ion: 75 Resp: 41249

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.5#

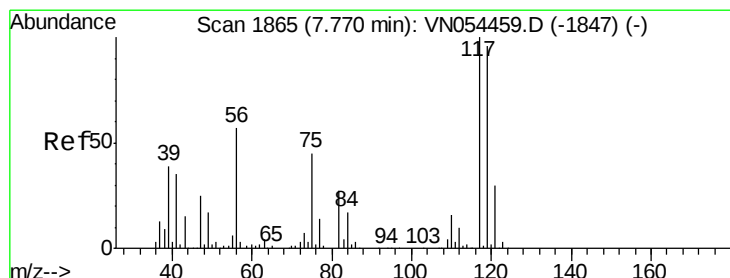
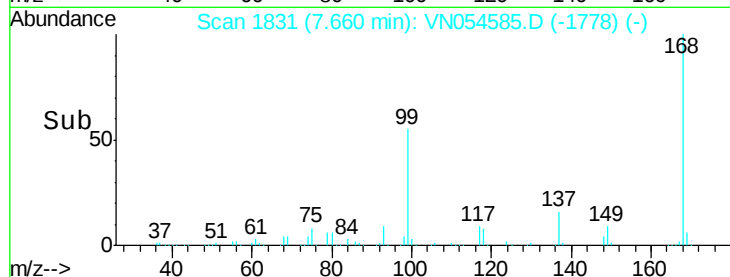
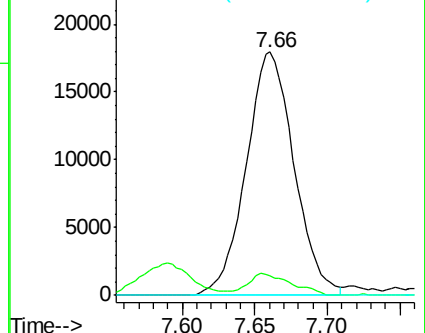
77 0.0 25.0 37.4#



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: 6.489 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

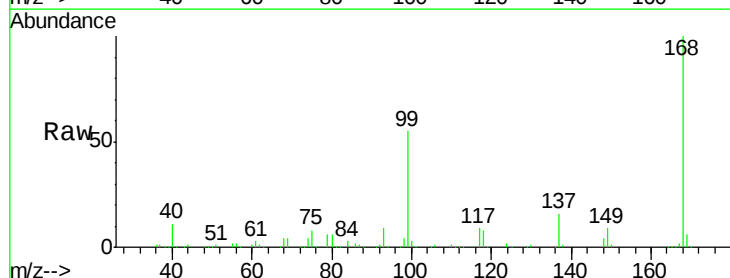
Tgt Ion: 117 Resp: 52173

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

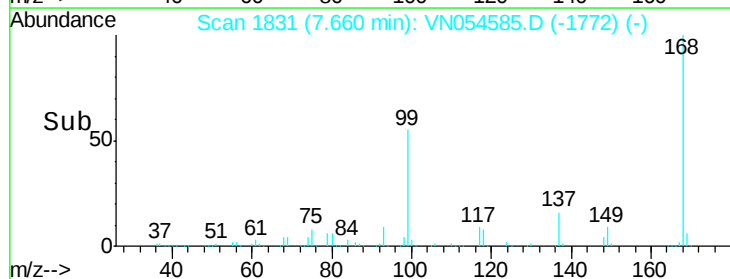
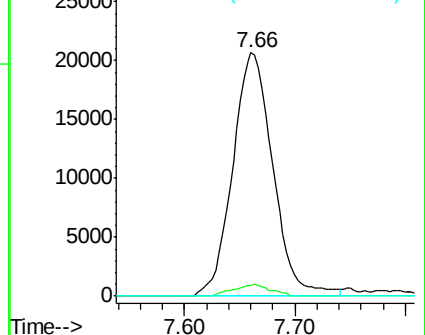
121 0.0 24.6 36.8#

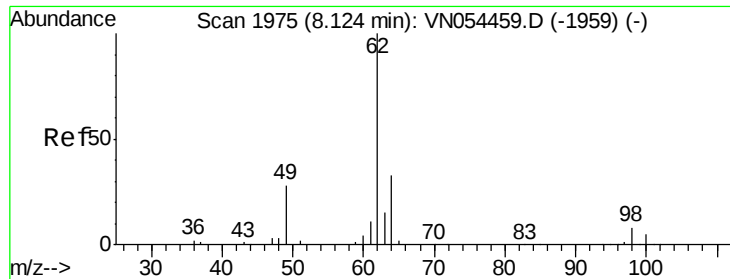


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

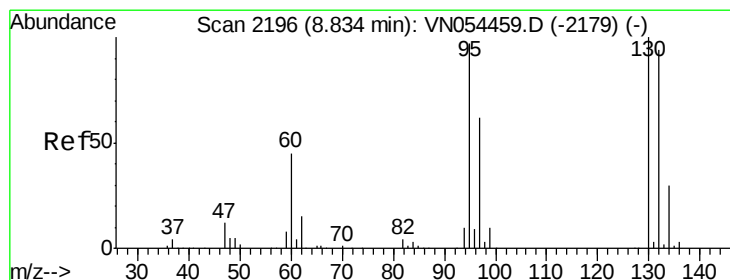
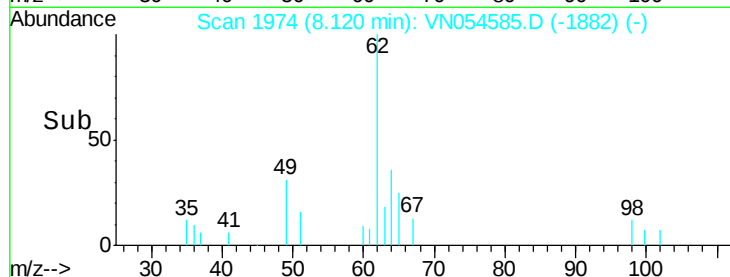
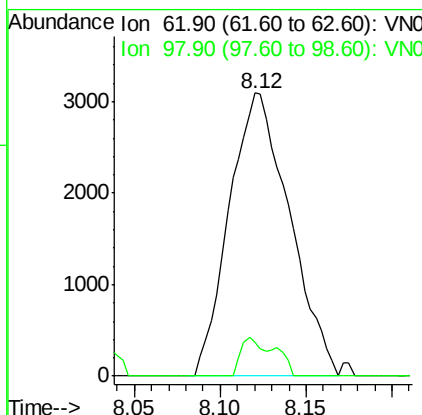
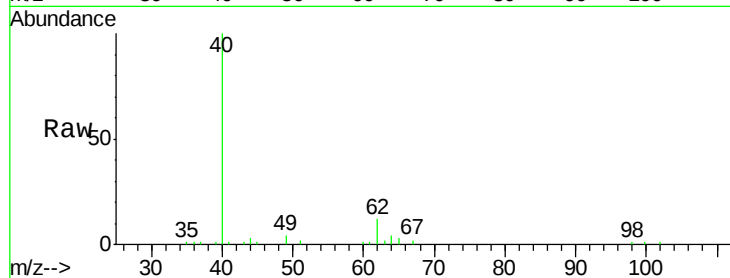




#42
 1,2-Dichloroethane
 Concen: 0.875 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VN054585.D
 Acq: 23 Mar 2019 4:38

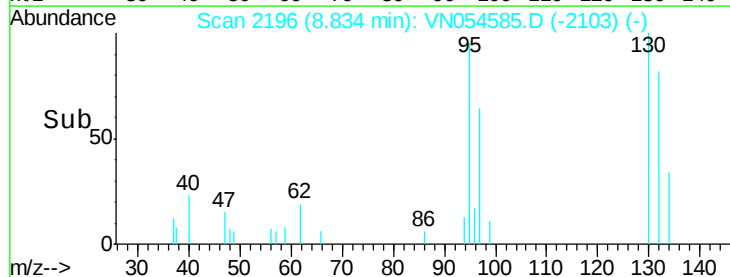
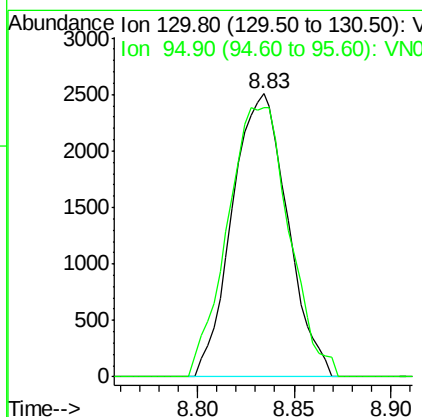
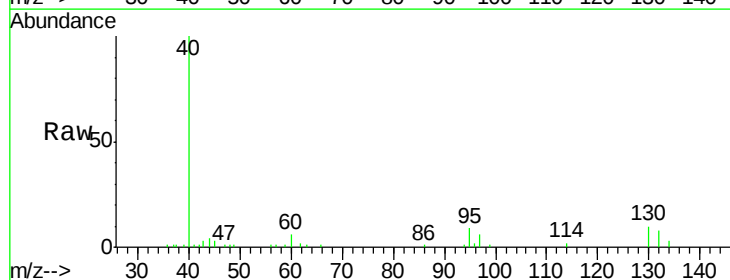
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB434-190320-(23-25)

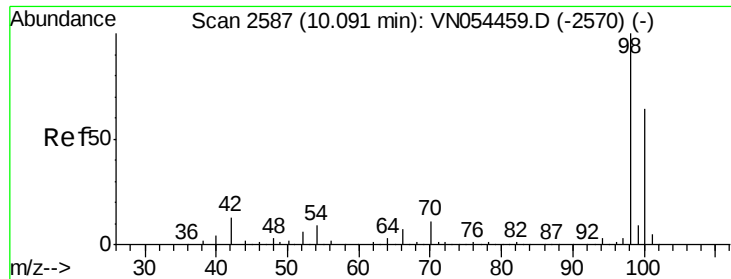
Tot Ion: 62 Resp: 7538
 Ion Ratio Lower Upper
 62 100
 98 4.9 0.0 18.4



#44
 Trichloroethene
 Concen: 0.758 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054585.D
 Acq: 23 Mar 2019 4:38

Tgt Ion:130 Resp: 4987
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 185.2

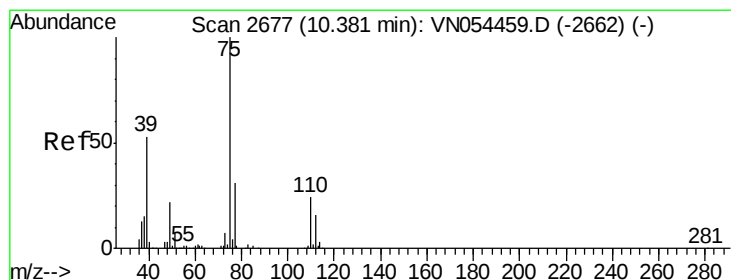
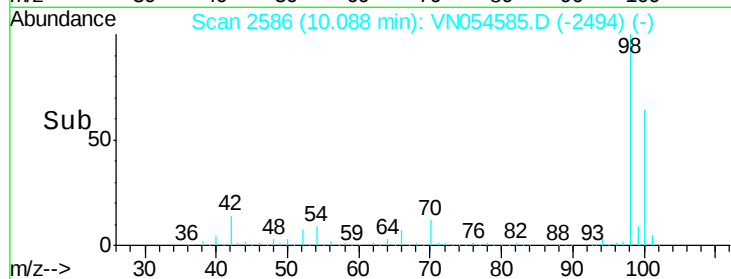
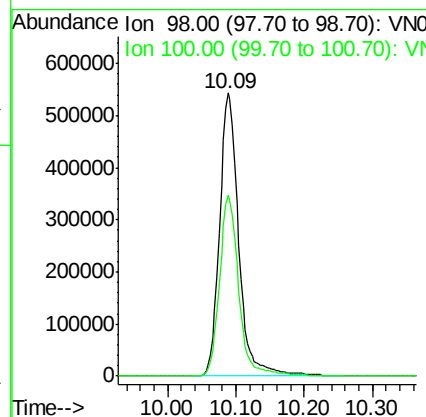
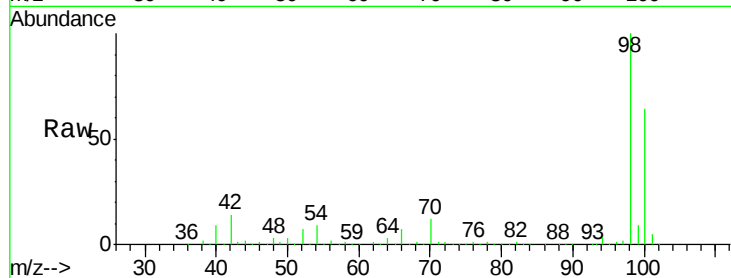




#50
Toluene-d8
Concen: 49.579 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

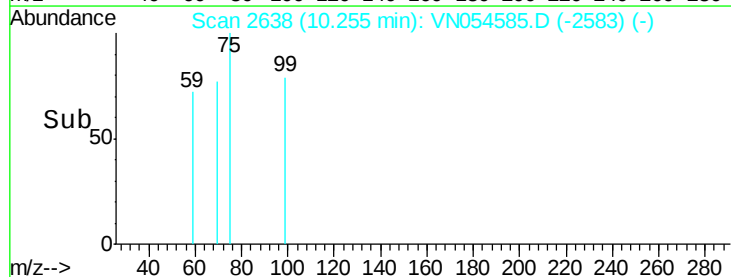
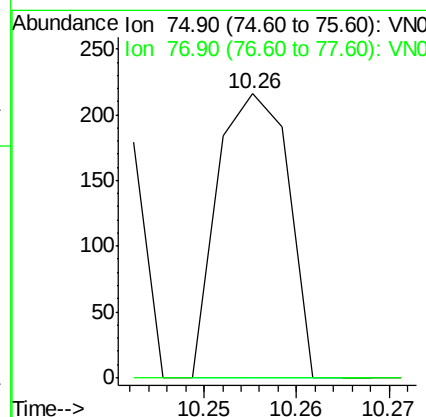
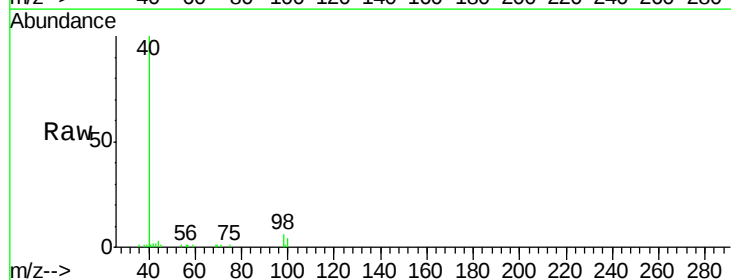
Instrument :
MSVOA_N
ClientSampleId :
WP022SB434-190320-(23-25)

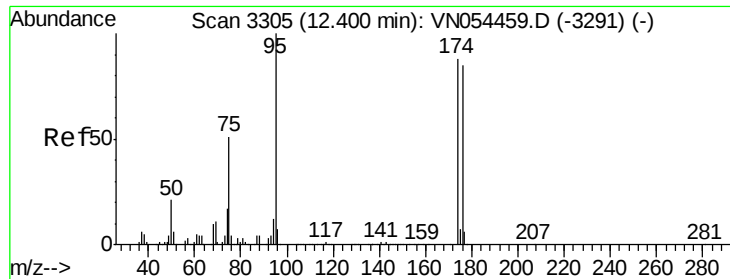
Tot Ion: 98 Resp: 1062558
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 2.245 ug/l
RT: 10.26 min Scan# 2638
Delta R.T. -0.12 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 46.382 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054585.D

Acq: 23 Mar 2019 4:38

Instrument :

MSVOA_N

ClientSampleId :

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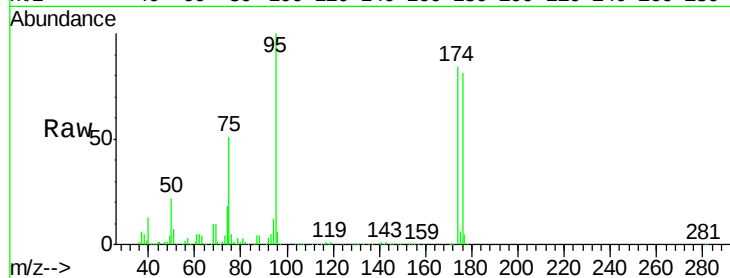
Tot Ion: 95 Resp: 338258

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

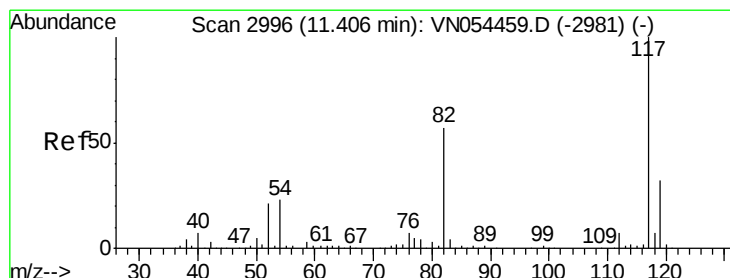
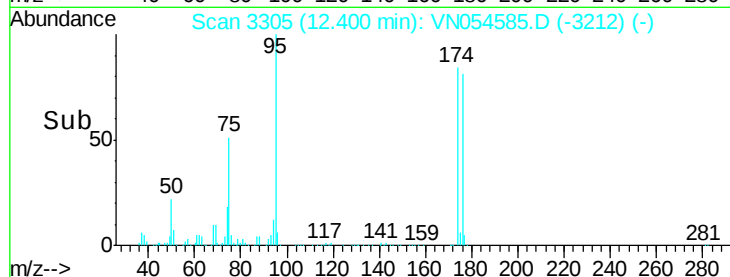
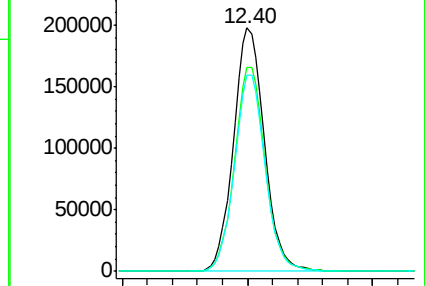
176 80.2 0.0 187.4



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: VN054585.D

Acq: 23 Mar 2019 4:38

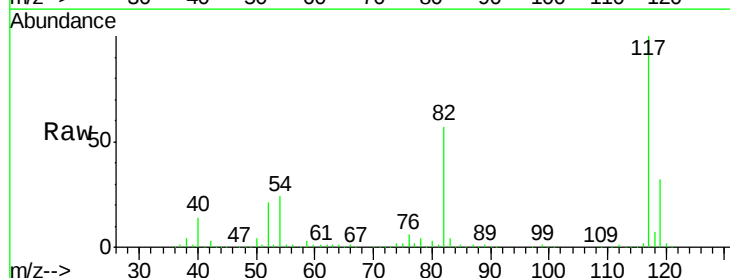
Tgt Ion: 117 Resp: 737711

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

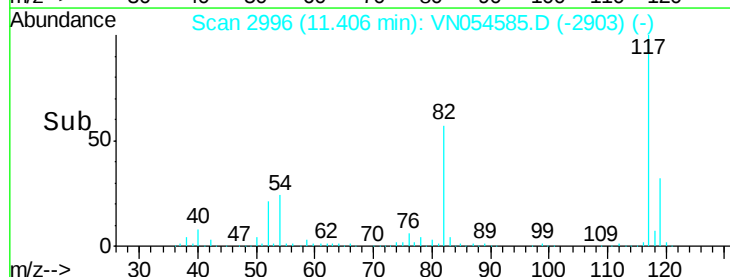
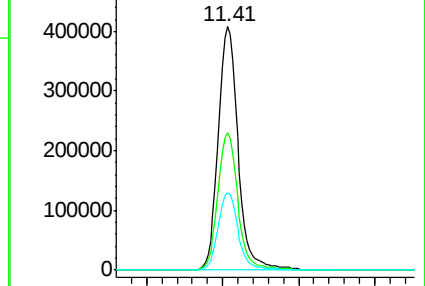
119 31.8 25.8 38.6

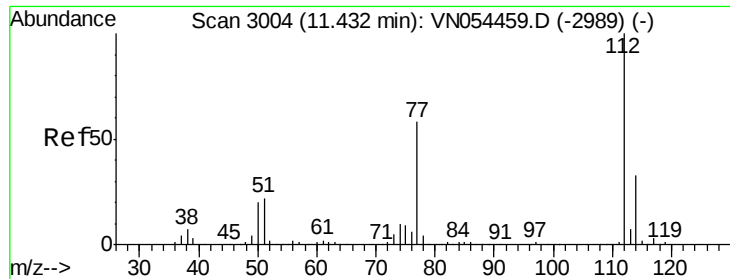


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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

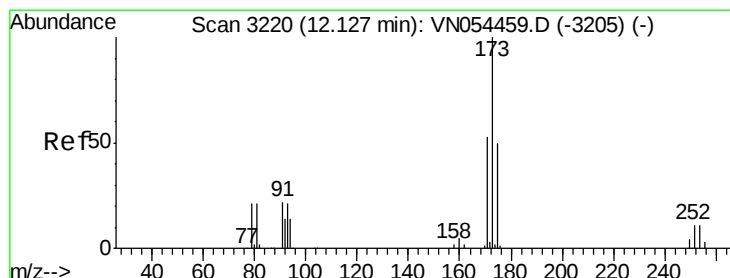
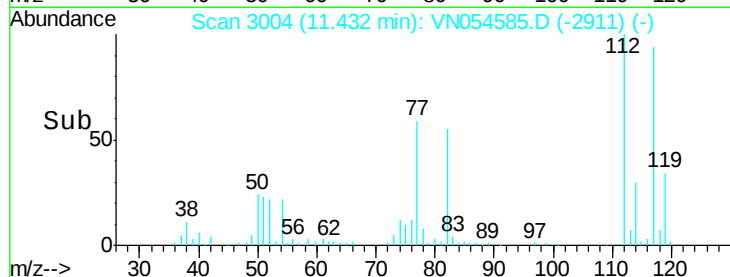
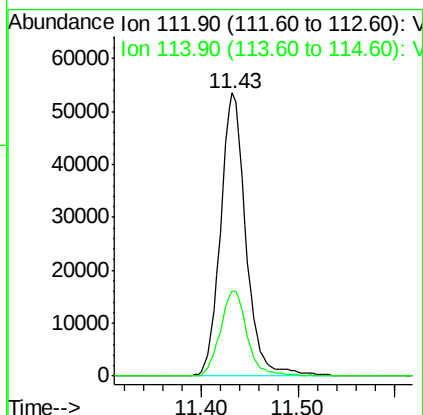
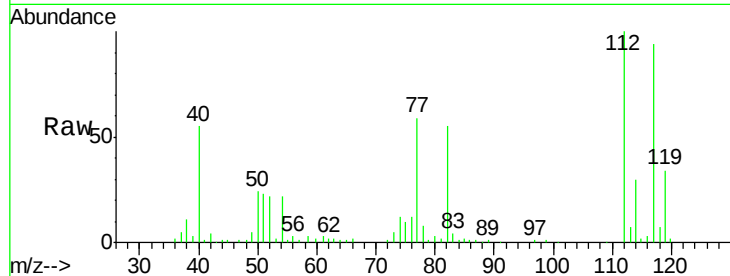




#65
Chlorobenzene
Concen: 6.489 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

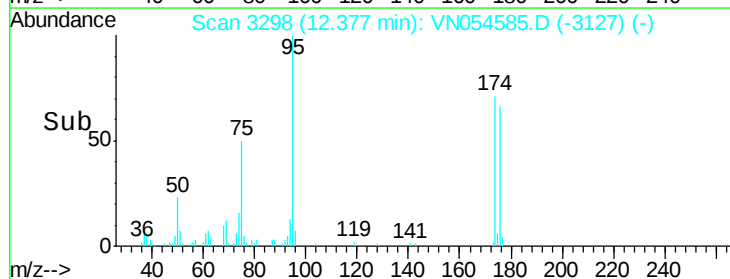
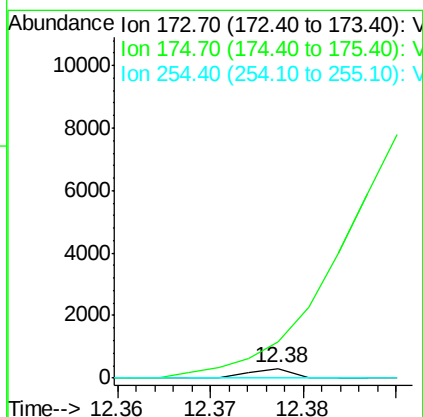
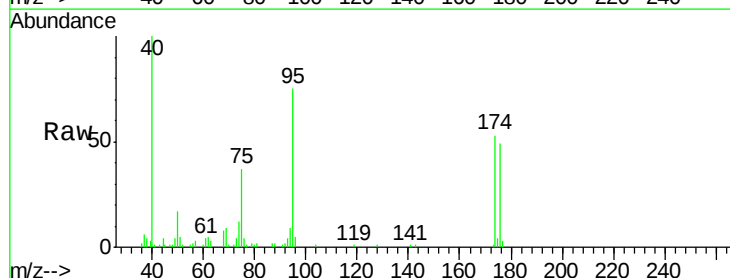
Instrument :
MSVOA_N
ClientSampleId :
WP022SB434-190320-(23-25)

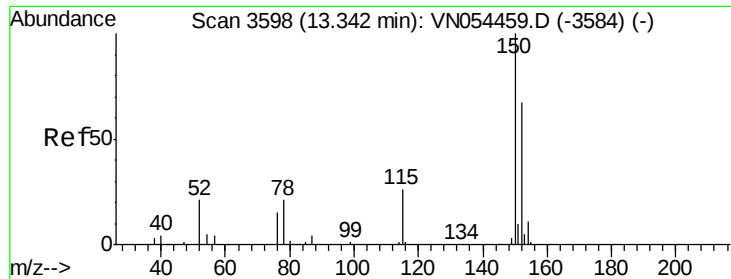
Tot Ion:112 Resp: 97358
Ion Ratio Lower Upper
112 100
114 30.2 25.9 38.9



#71
Bromoform
Concen: 2.245 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.25 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion:173 Resp: 96
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



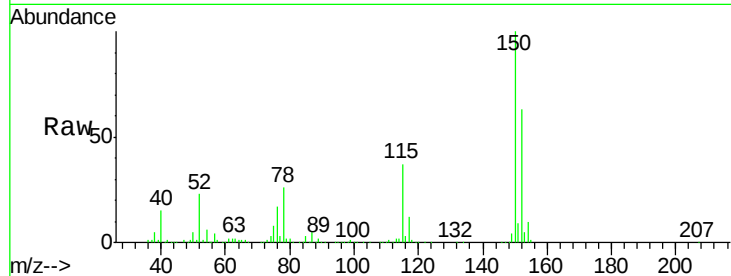


#72

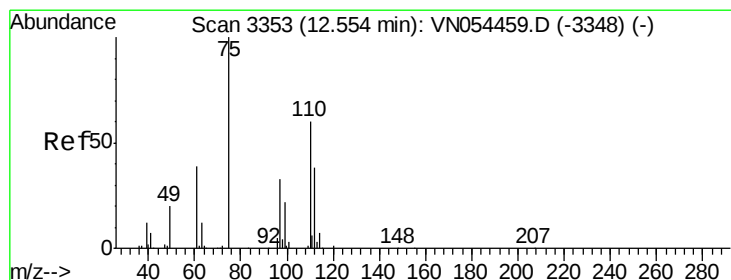
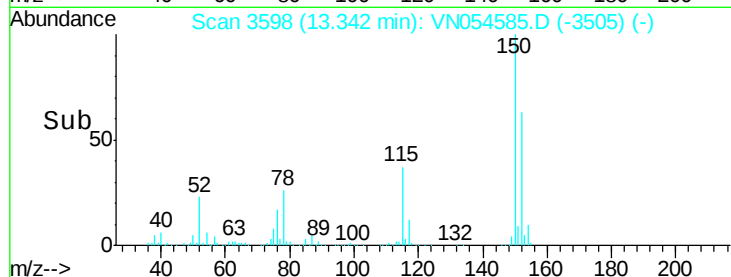
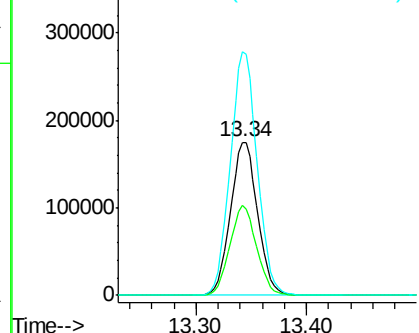
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Instrument :
MSVOA_N
ClientSampleId :
WP022SB434-190320-(23-25)

Tot Ion:152 Resp: 297537
Ion Ratio Lower Upper
152 100
115 58.0 27.2 81.6
150 157.7 0.0 349.2



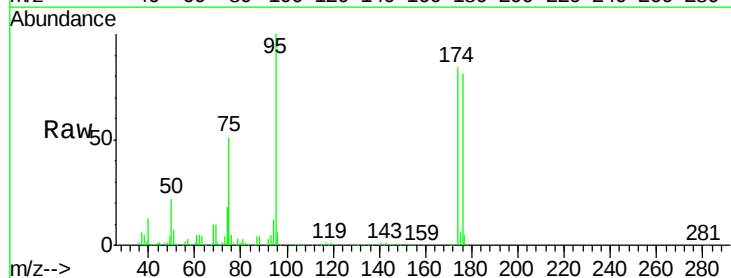
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



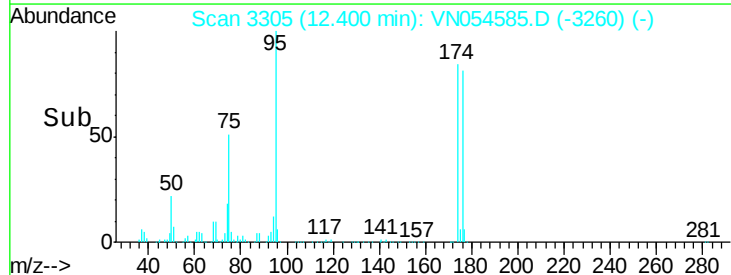
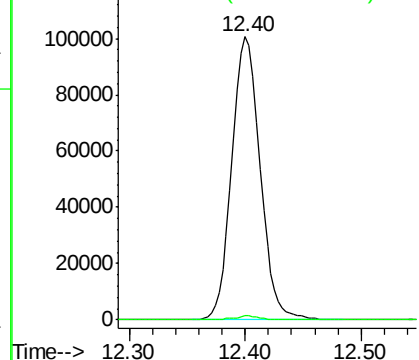
#76

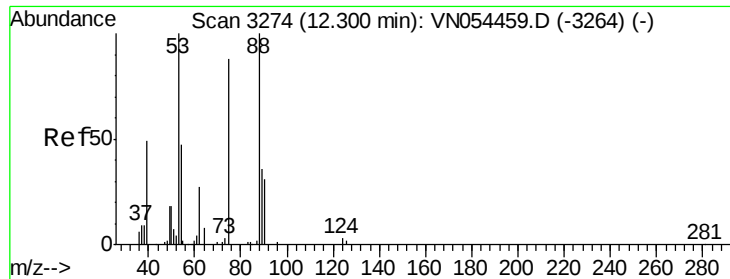
1,2,3-Trichloropropane
Concen: 35.994 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion: 75 Resp: 169946
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

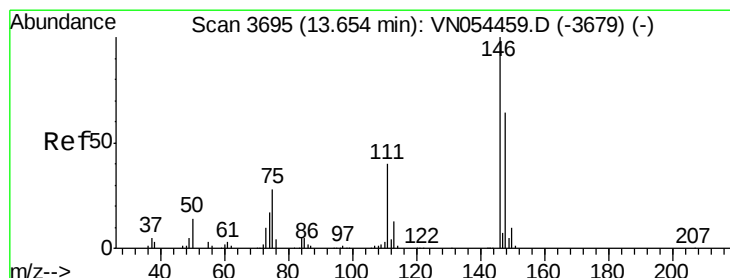
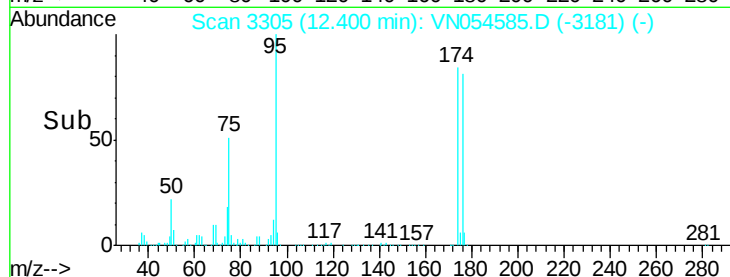
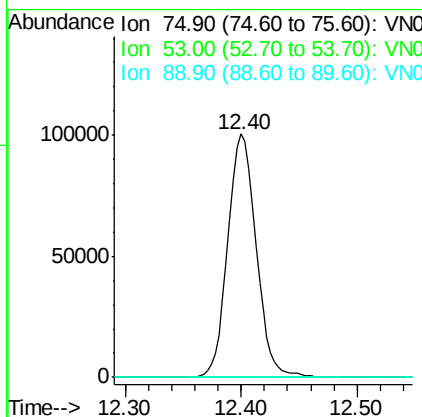
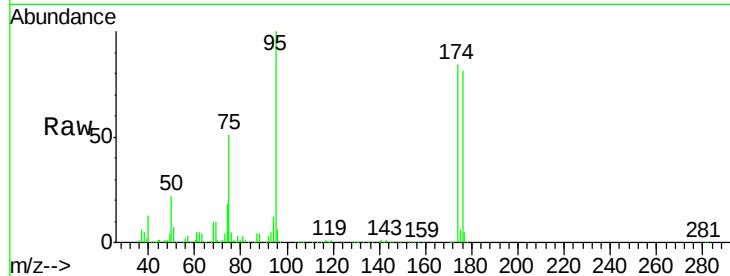




#81
trans-1,4-Dichloro-2-butene
Concen: 119.386 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Instrument :
MSVOA_N
ClientSampleId :
WP022SB434-190320-(23-25)

Tot Ion: 75 Resp: 169946
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: 1.577 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN054585.D
Acq: 23 Mar 2019 4:38

Tgt Ion:146 Resp: 15053
Ion Ratio Lower Upper
146 100
111 38.4 19.1 57.3
148 61.5 32.4 97.0

