

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054740.D
 Acq On : 28 Mar 2019 13:21
 Operator : JC/SP
 Sample : K2107-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Mar 29 05:02:38 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	519539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	855940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	282120	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	340528	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	7.59	113	270871	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1028957	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	327223	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

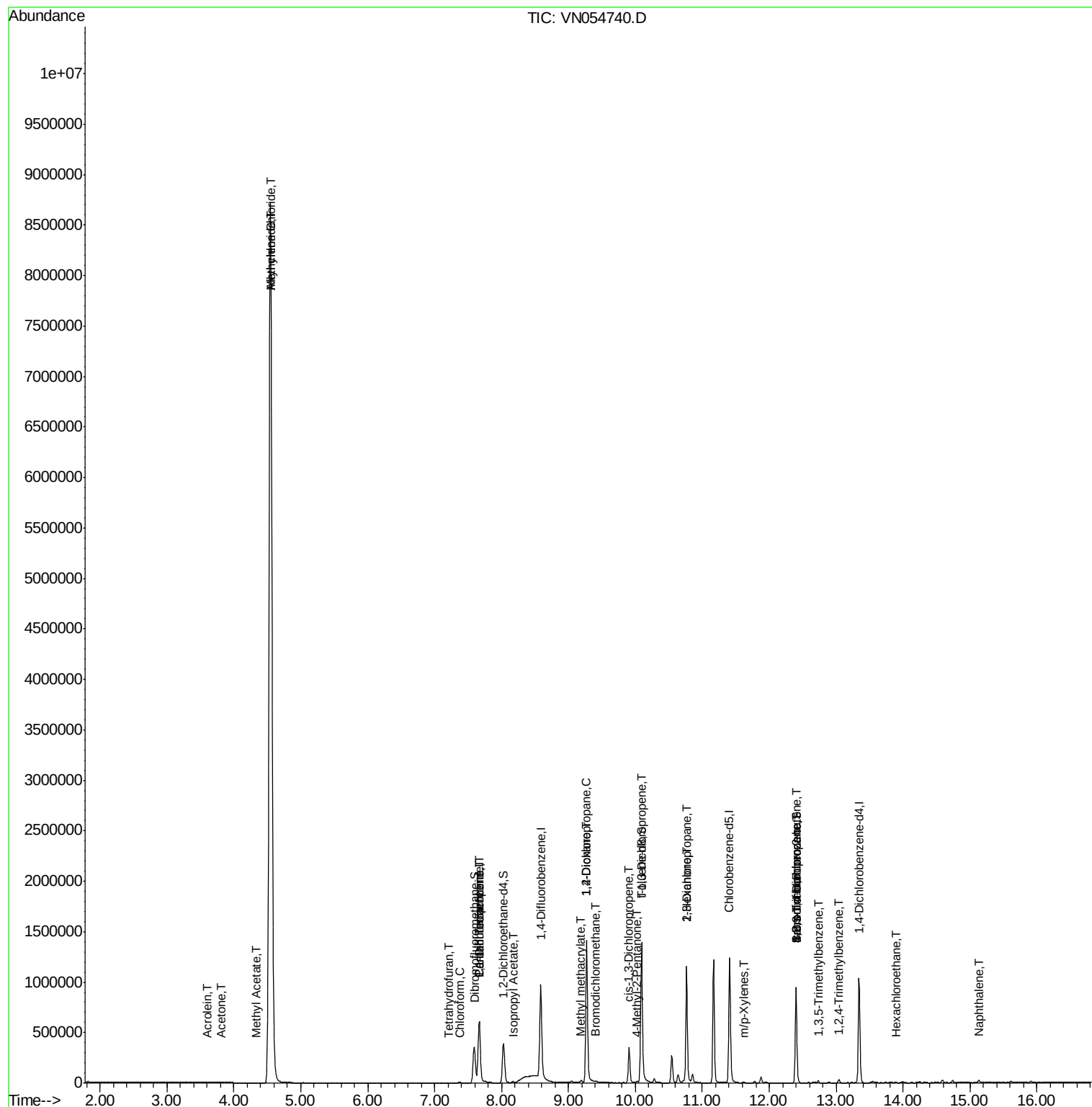
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	146	0.270	ug/l #	14
14) Allyl chloride	4.55	41	273823	29.018	ug/l #	22
16) Acetone	3.82	43	2727	1.404	ug/l	91
18) Methyl Acetate	4.35	43	3099	0.716	ug/l #	72
20) Methylene Chloride	4.55	84	6093091	1063.886	ug/l #	81
29) Tetrahydrofuran	7.23	42	541	0.335	ug/l #	34
30) Chloroform	7.37	83	8303	0.849	ug/l	97
31) Cyclohexane	7.67	56	11598	Below Cal	#	27
36) 1,1-Dichloropropene	7.66	75	39575	4.945	ug/l #	48
38) Carbon Tetrachloride	7.67	117	48824	6.278	ug/l #	17
43) Isopropyl Acetate	8.18	43	16466	1.713	ug/l #	94
45) 1,2-Dichloropropane	9.27	63	1780	0.290	ug/l #	43
47) Bromodichloromethane	9.40	83	1880	0.247	ug/l #	86
48) Methyl methacrylate	9.18	41	8490	1.627	ug/l #	11
49) 1,4-Dioxane	9.27	88	31	0.531	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	8552	1.605	ug/l #	36
53) t-1,3-Dichloropropene	10.09	75	289	2.266	ug/l #	41
54) cis-1,3-Dichloropropene	9.91	75	57227	6.560	ug/l #	68
57) 1,3-Dichloropropane	10.76	76	10682	1.215	ug/l #	43
59) 2-Hexanone	10.76	43	191244	54.956	ug/l #	47
68) m/p-Xylenes	11.62	106	2016	0.201	ug/l	88
71) Bromoform	12.39	173	304	2.299	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	168126	37.555	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9997	0.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	168126	124.424	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	18651	1.020	ug/l	96
90) Hexachloroethane	13.89	117	594	0.212	ug/l #	2
94) Hexachlorobutadiene	15.02	225	60	Below Cal	#	52
95) Naphthalene	15.13	128	18761	1.864	ug/l	96

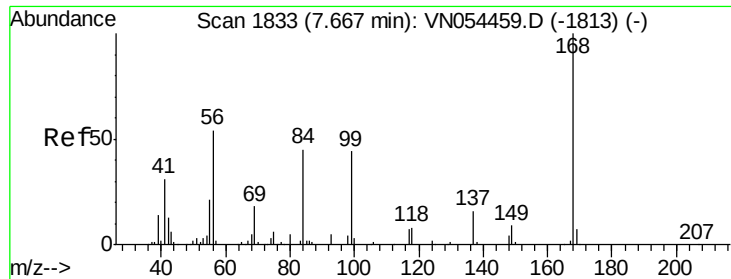
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

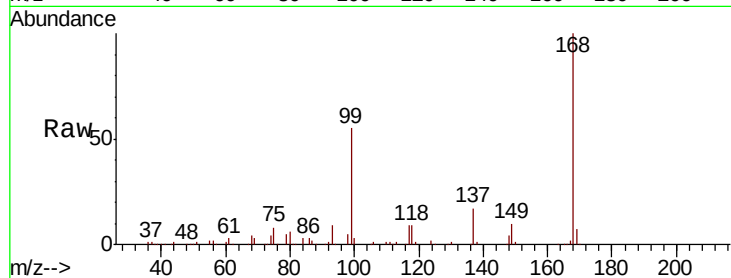
TP-8

Tot Ion:168 Resp: 519539

Ion Ratio Lower Upper

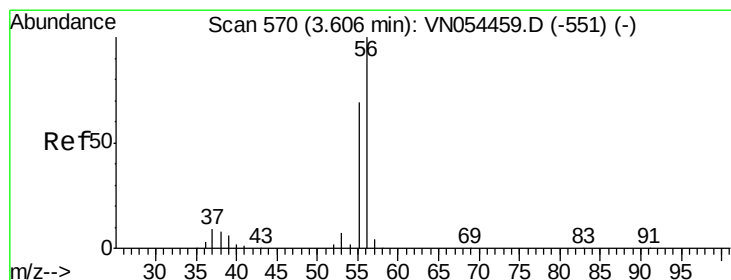
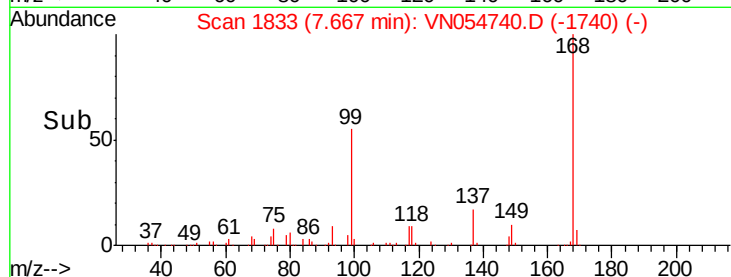
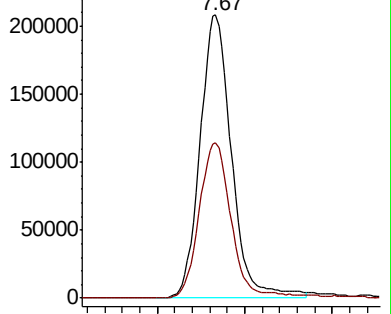
168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 0.270 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054740.D

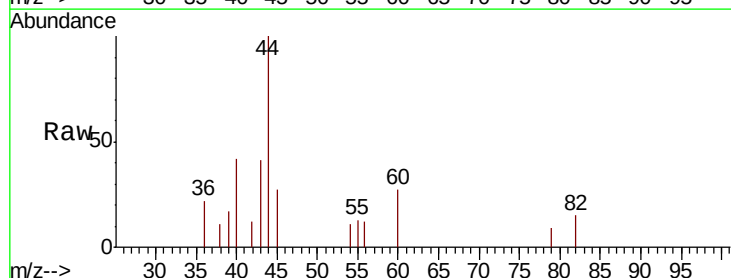
Acq: 28 Mar 2019 13:21

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

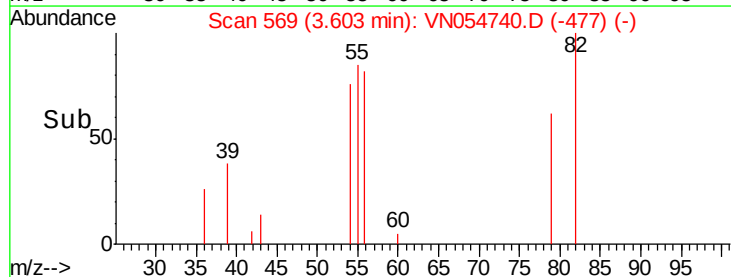
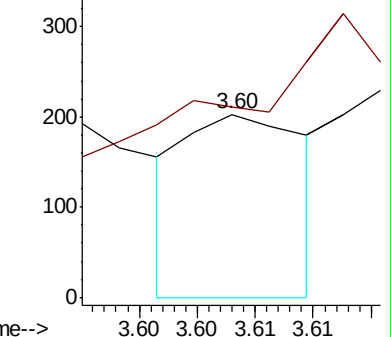
56 100

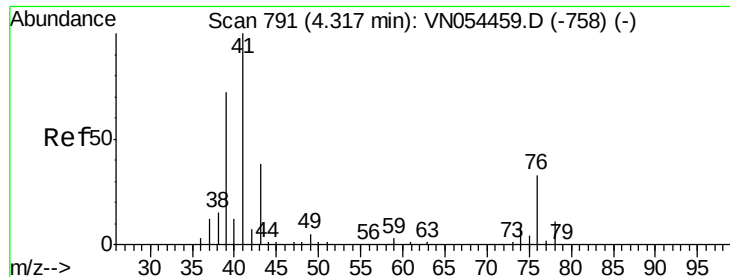
55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

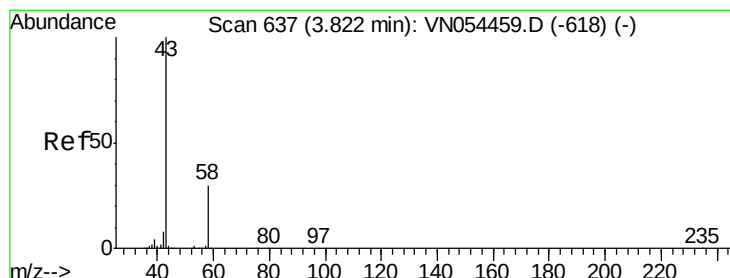
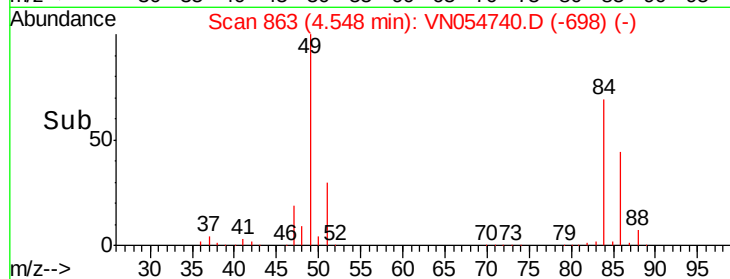
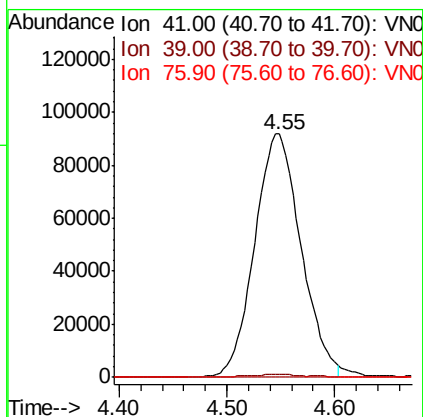
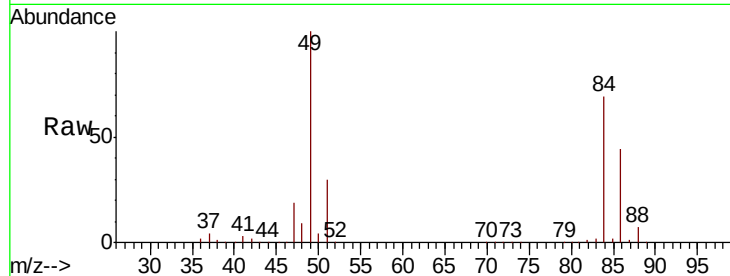




#14
Allvl chloride
Concen: 29.018 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.23 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

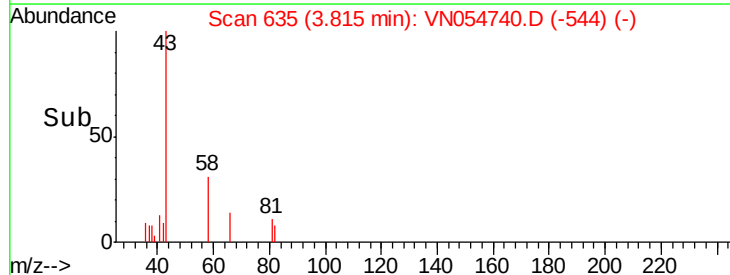
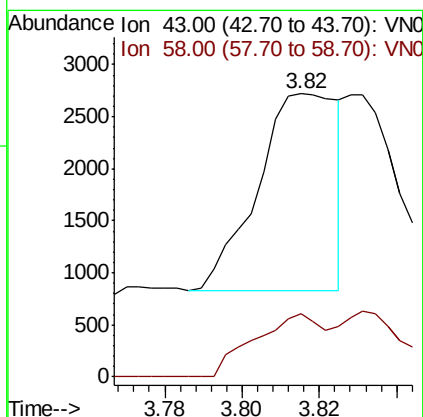
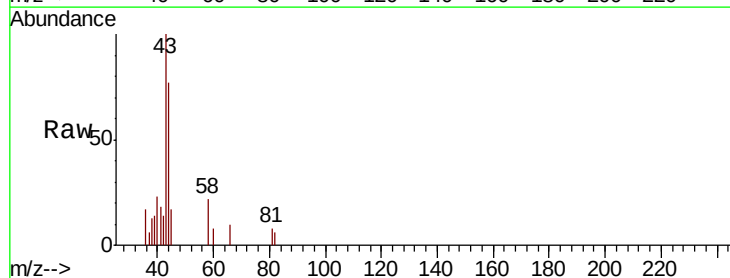
Instrument :
MSVOA_N
ClientSampled :
TP-8

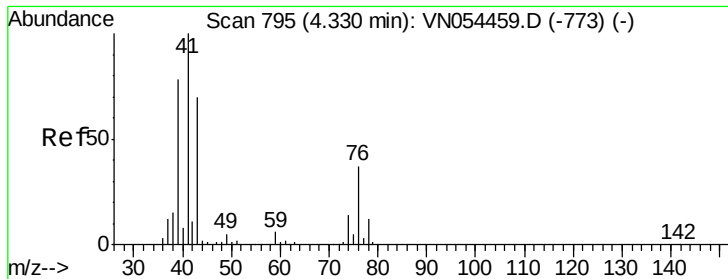
Tot Ion: 41 Resp: 273823
Ion Ratio Lower Upper
41 100
39 0.7 58.2 87.4#
76 0.0 31.7 47.5#



#16
Acetone
Concen: 1.404 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
58 32.2 29.9 44.9

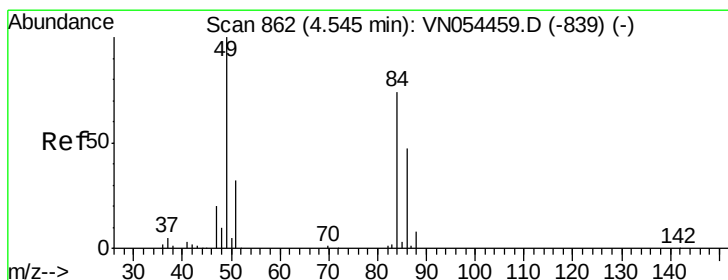
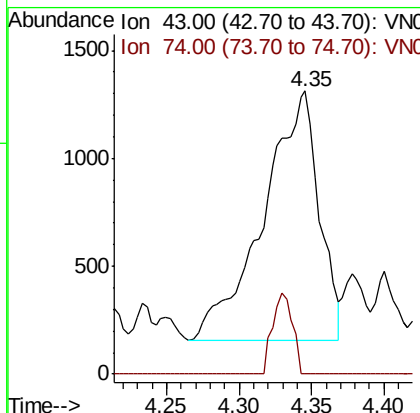
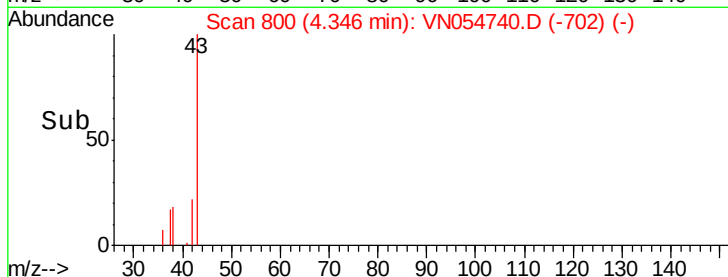
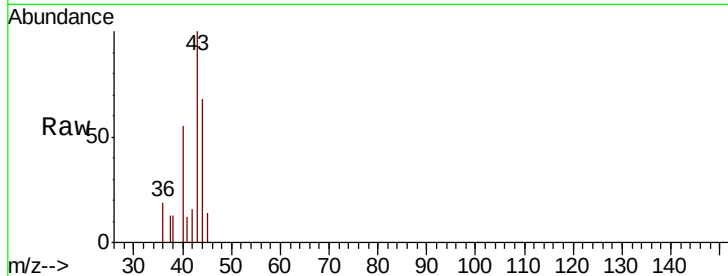




#18
Methyl Acetate
Concen: 0.716 ug/l
RT: 4.35 min Scan# 800
Delta R.T. 0.02 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

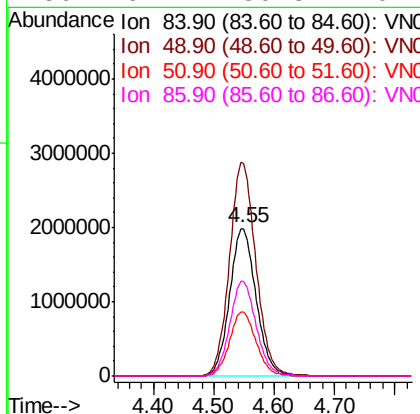
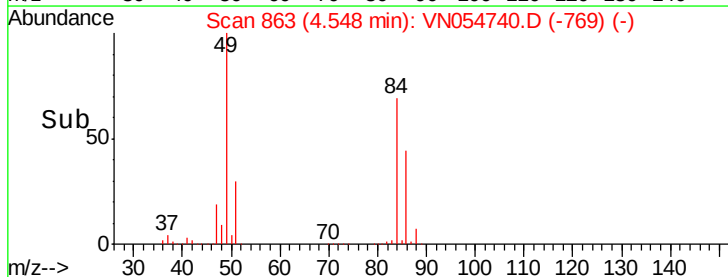
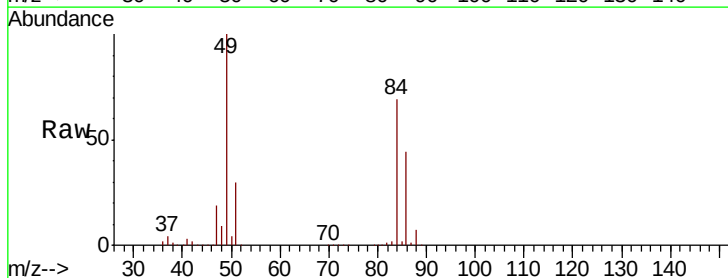
Instrument :
MSVOA_N
ClientSampled :
TP-8

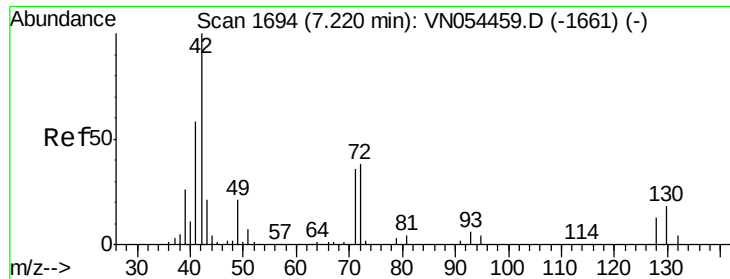
Tot Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
74 11.6 20.8 31.2#



#20
Methylene Chloride
Concen: 1063.886 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion: 84 Resp: 6093091
Ion Ratio Lower Upper
84 100
49 144.3 89.7 134.5#
51 43.7 28.2 42.4#
86 64.1 50.8 76.2

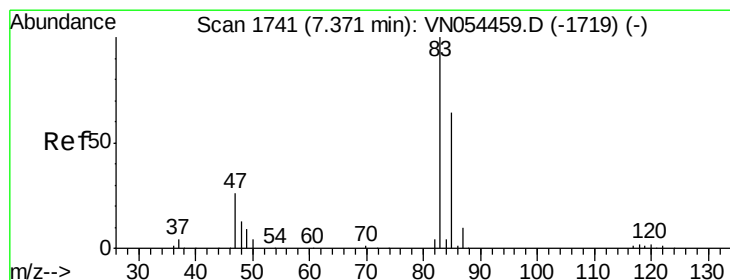
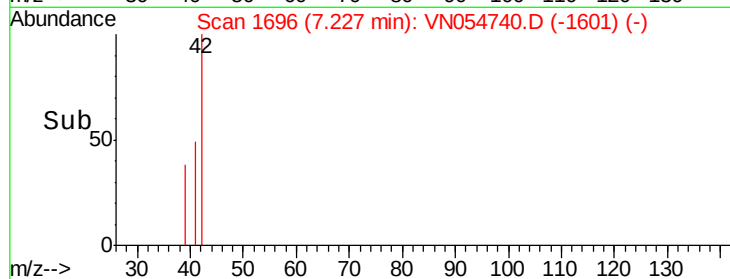
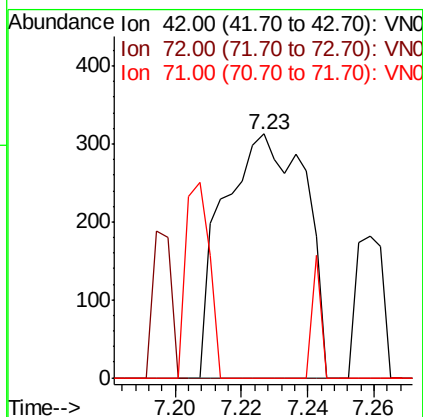
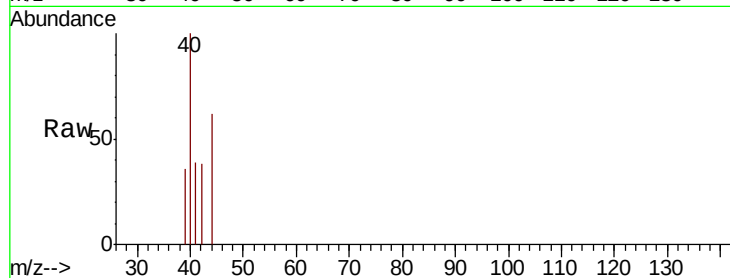




#29
Tetrahydrofuran
Concen: 0.335 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

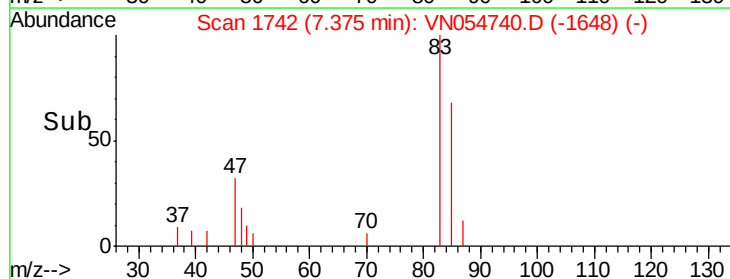
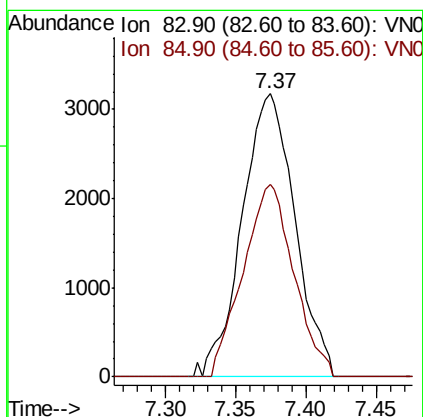
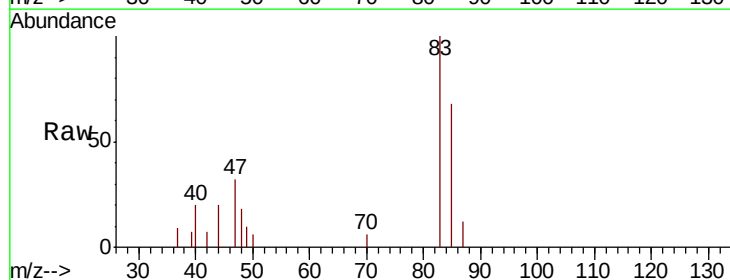
Instrument :
MSVOA_N
ClientSampled :
TP-8

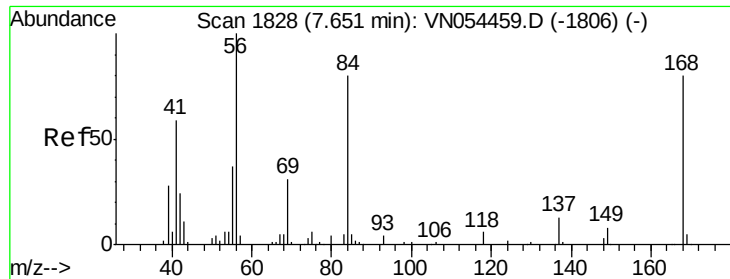
Tot Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 5.5 36.2 54.2#



#30
Chloroform
Concen: 0.849 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion: 83 Resp: 8303
Ion Ratio Lower Upper
83 100
85 67.8 52.2 78.4

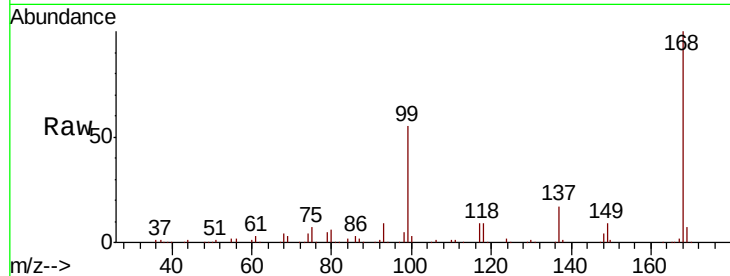




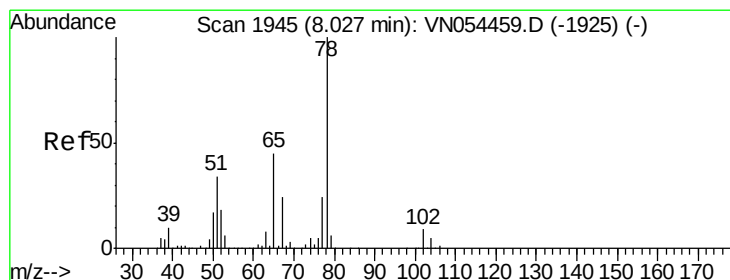
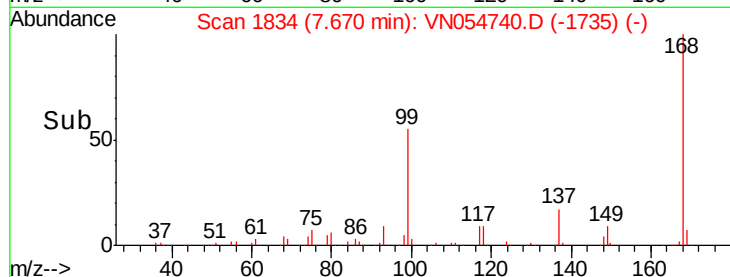
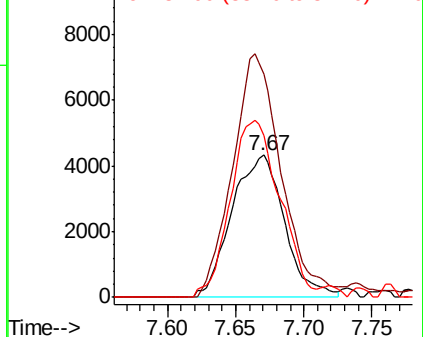
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Instrument :
MSVOA_N
ClientSampled :
TP-8

Tot Ion: 56 Resp: 11598
Ion Ratio Lower Upper
56 100
69 157.3 27.8 41.6#
84 113.9 74.6 111.8#

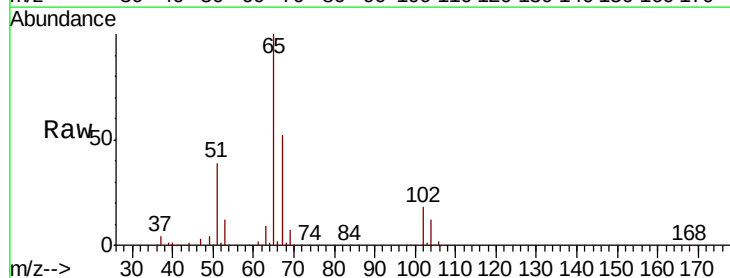


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

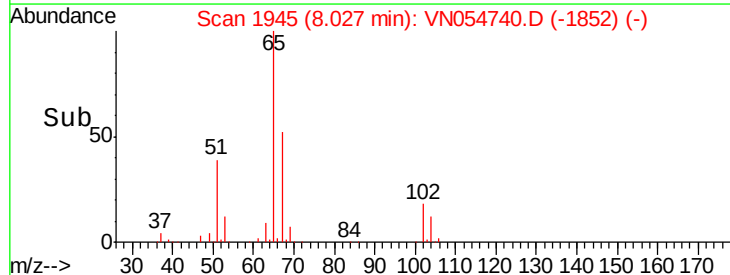
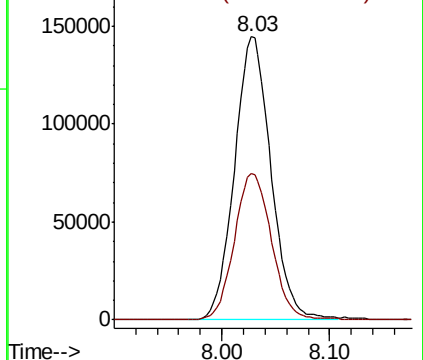


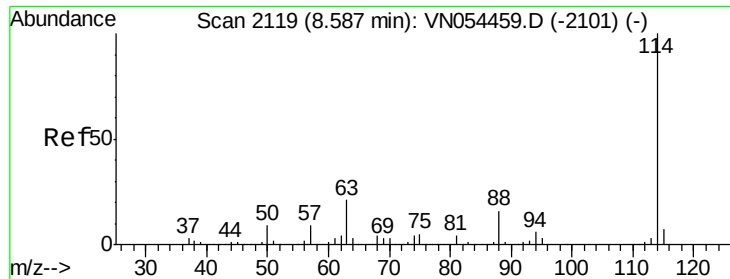
#33
1,2-Dichloroethane-d4
Concen: 52.695 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion: 65 Resp: 340528
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

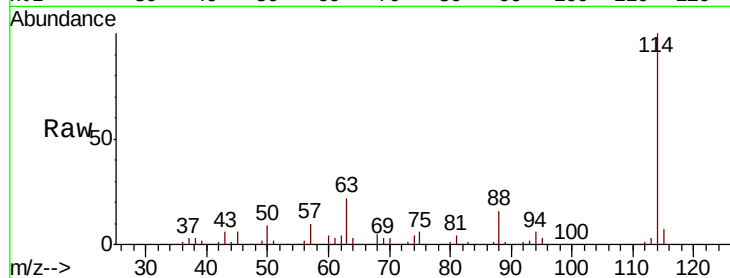




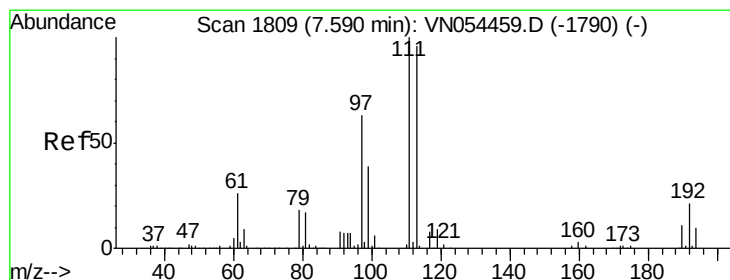
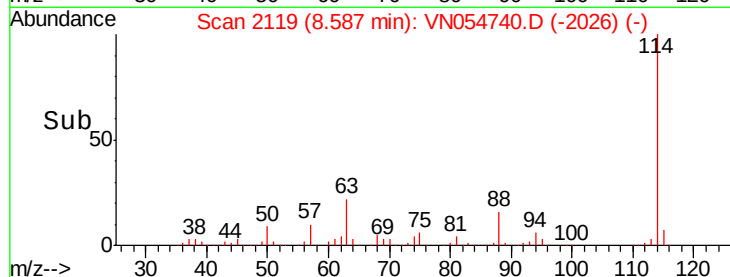
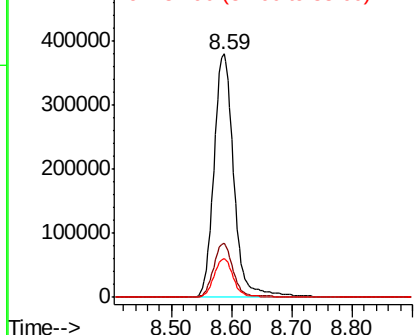
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Tot Ion:114 Resp: 855940
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.0 0.0 30.2

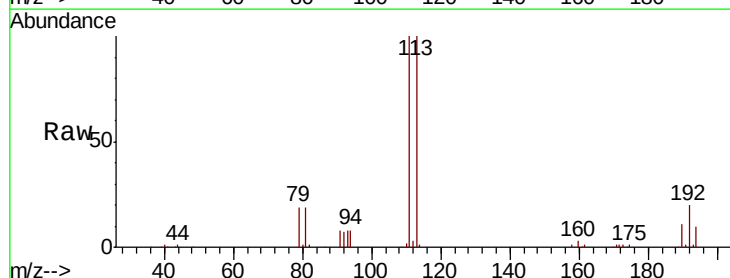


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

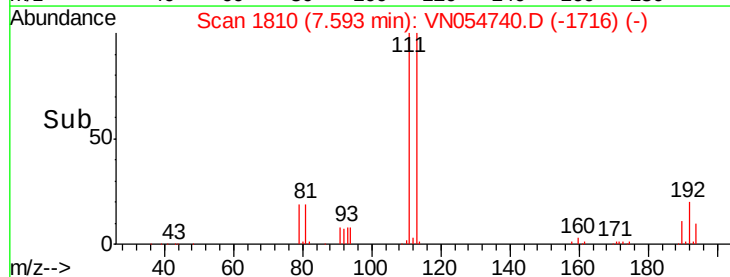
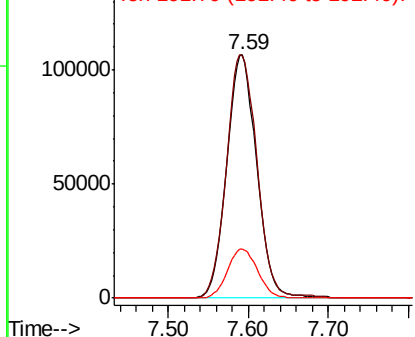


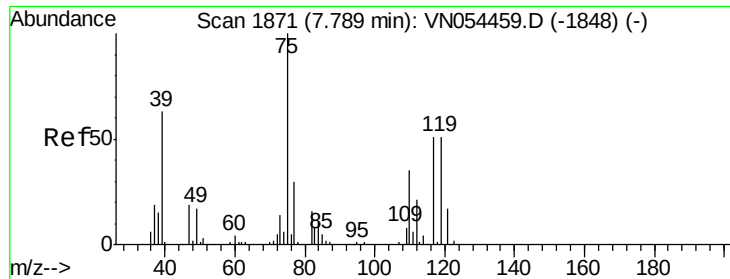
#35
 Dibromofluoromethane
 Concen: 49.121 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

Tgt Ion:113 Resp: 270871
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 20.4 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

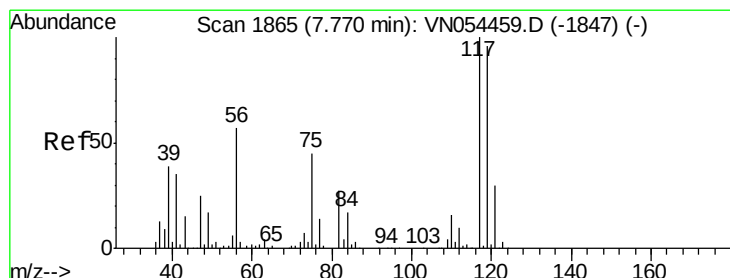
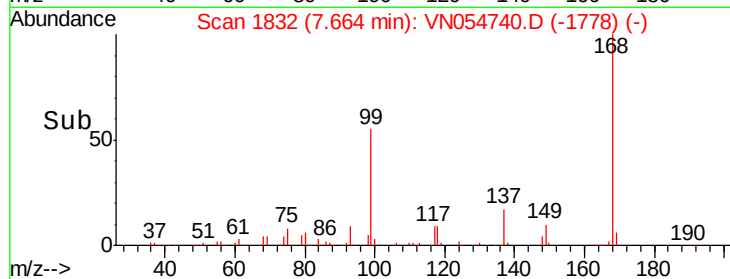
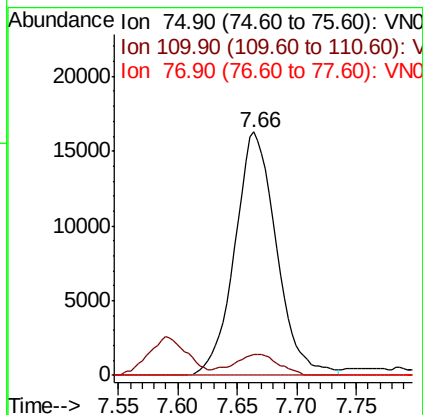
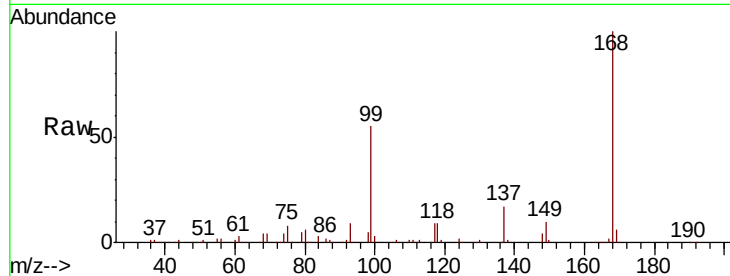




#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

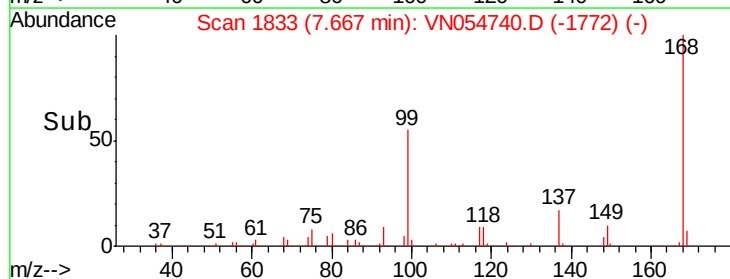
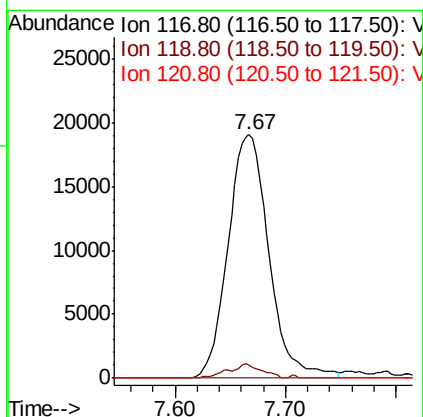
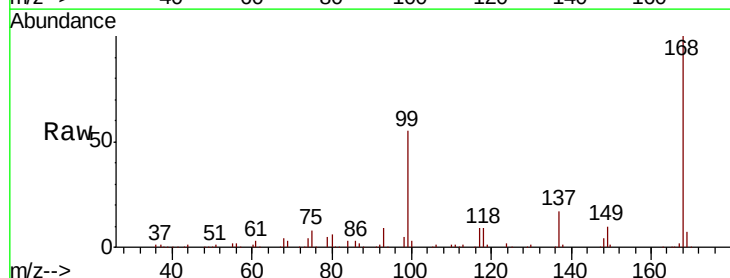
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

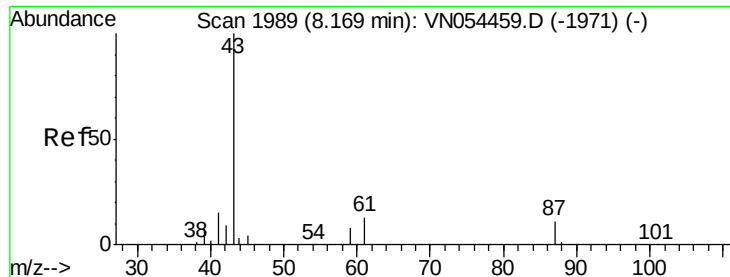
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.278 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 1.713 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

TP-8

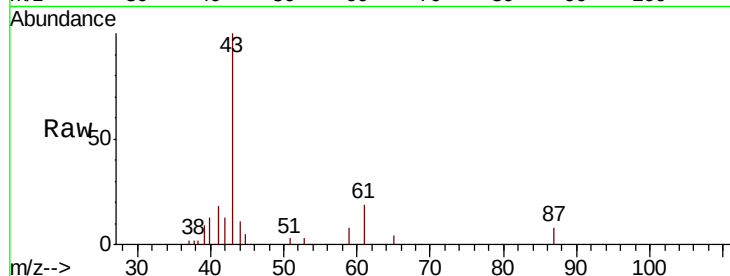
Tot Ion: 43 Resp: 16466

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.8

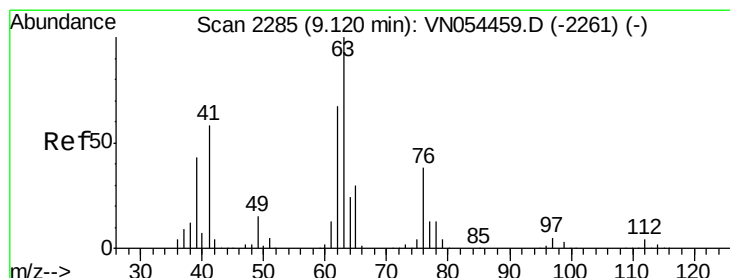
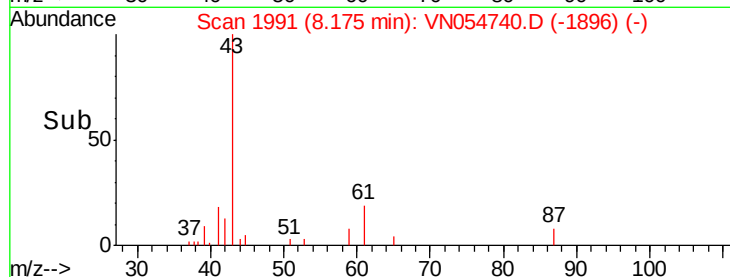
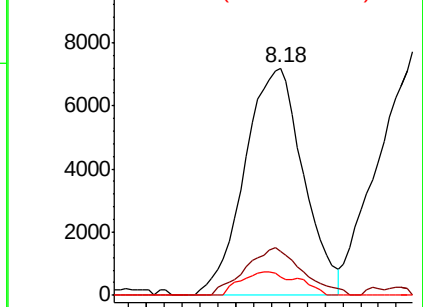
87 10.1 12.0 18.0#



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



#45

1,2-Dichloropropane

Concen: 0.290 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN054740.D

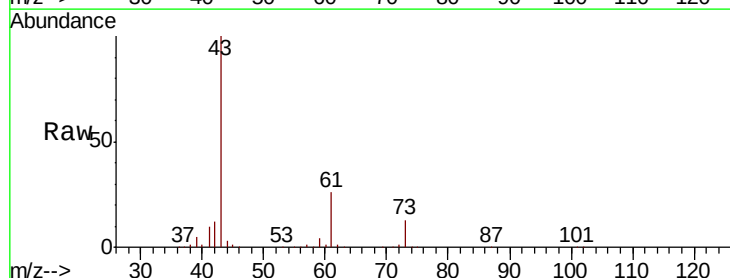
Acq: 28 Mar 2019 13:21

Tgt Ion: 63 Resp: 1780

Ion Ratio Lower Upper

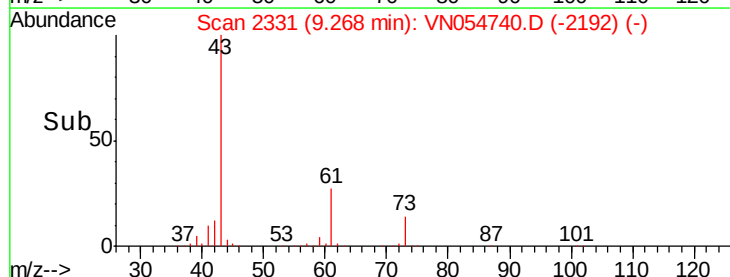
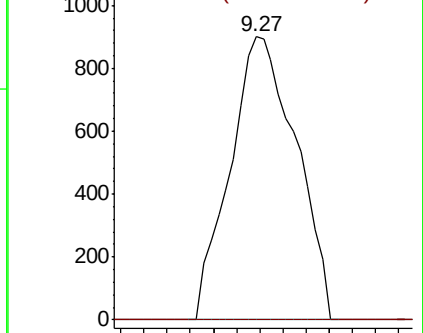
63 100

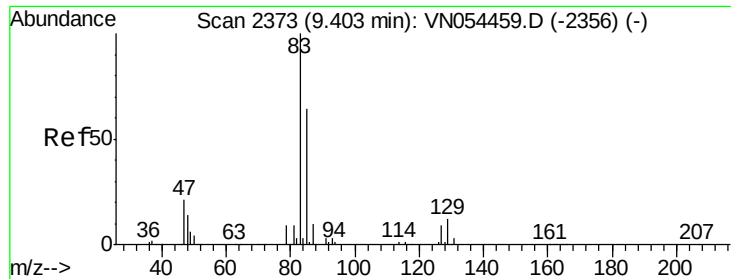
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.247 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

TP-8

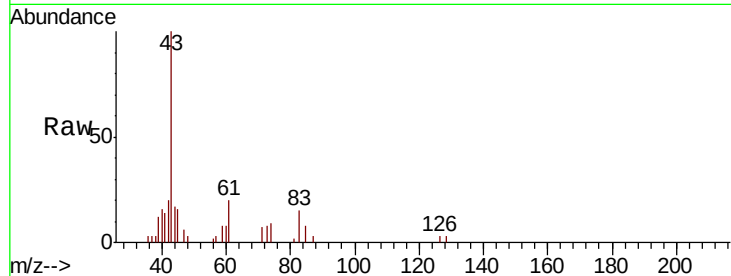
Tot Ion: 83 Resp: 1880

Ion Ratio Lower Upper

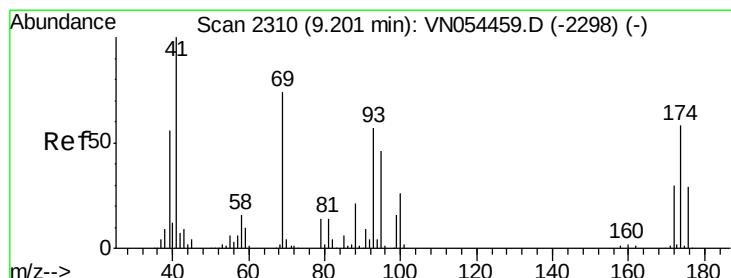
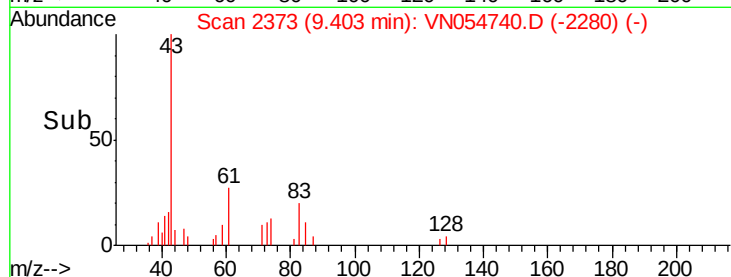
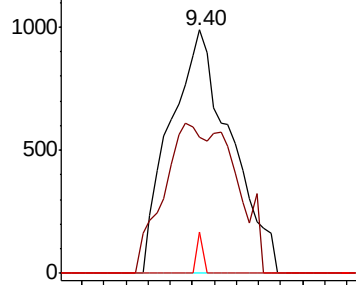
83 100

85 55.8 52.8 79.2

127 17.1 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.627 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

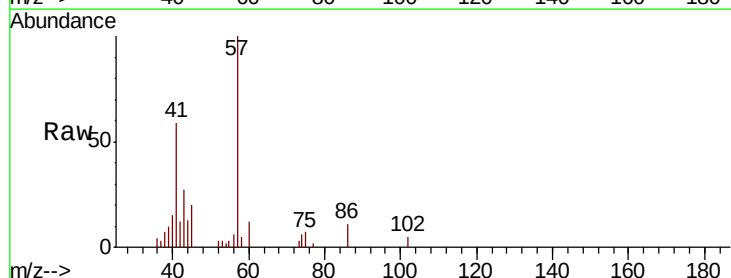
Tgt Ion: 41 Resp: 8490

Ion Ratio Lower Upper

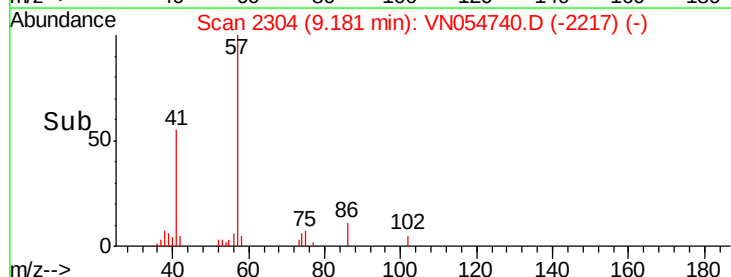
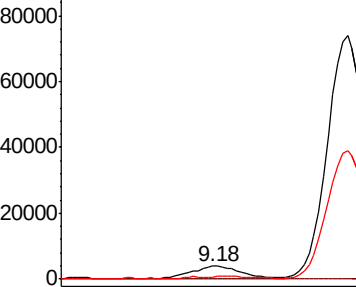
41 100

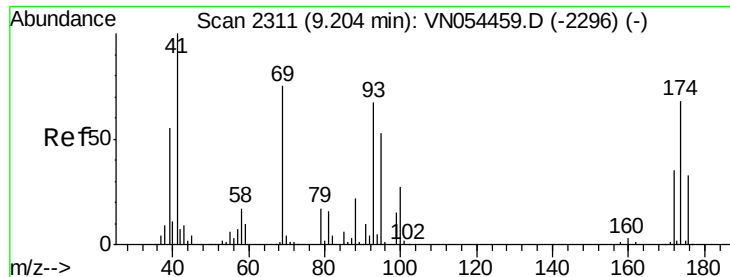
69 0.0 72.6 108.8#

39 0.0 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 0.531 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :
MSVOA_N
ClientSampled :
TP-8

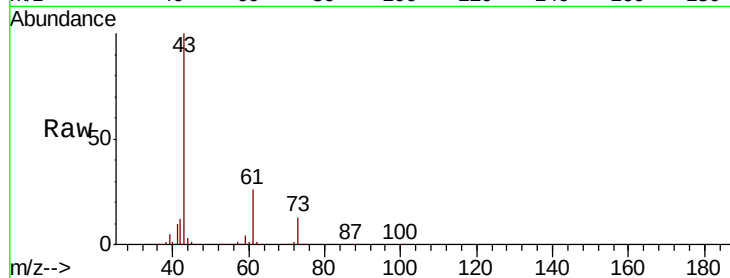
Tot Ion: 88 Resp: 31

Ion Ratio Lower Upper

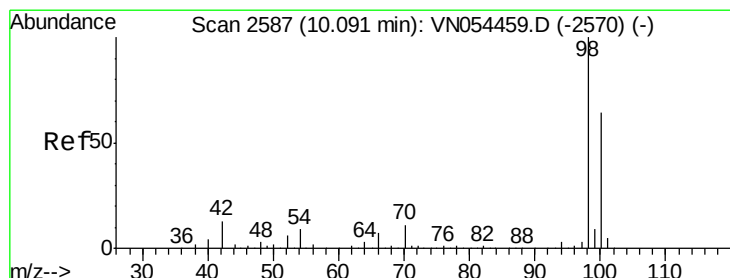
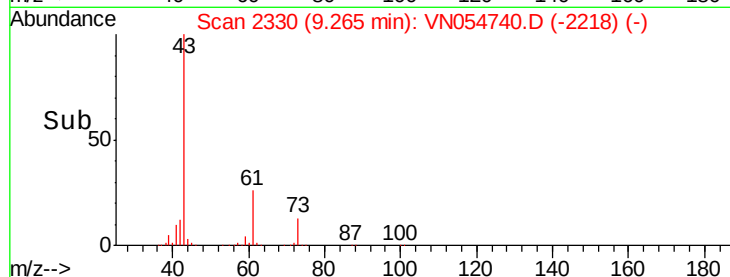
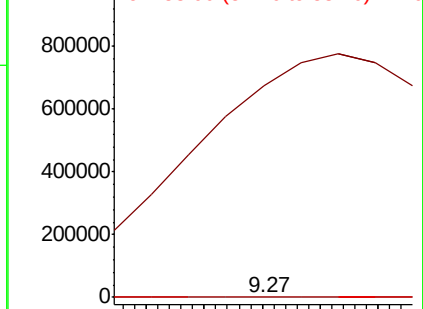
88 100

43 4855932.3 24.1 36.1#

58 19677.4 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054740.D

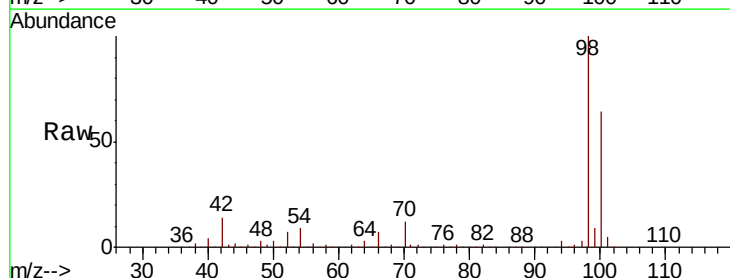
Acq: 28 Mar 2019 13:21

Tgt Ion: 98 Resp: 1028957

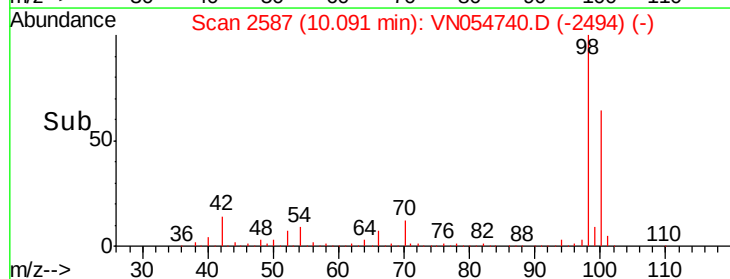
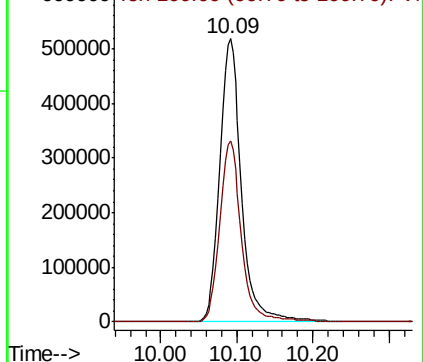
Ion Ratio Lower Upper

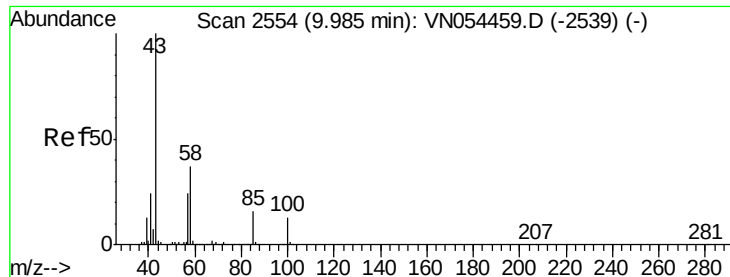
98 100

100 63.9 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: 1.605 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

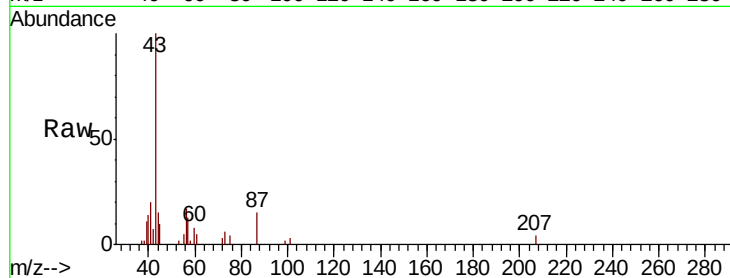
TP-8

Tot Ion: 43 Resp: 8552

Ion Ratio Lower Upper

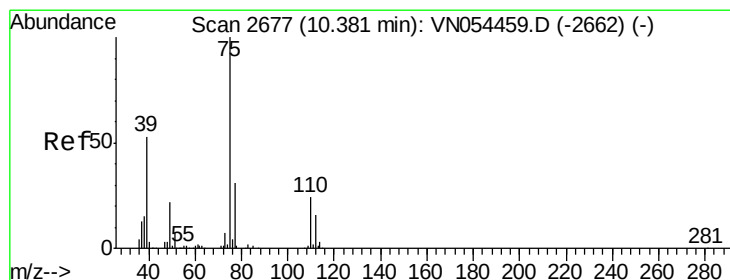
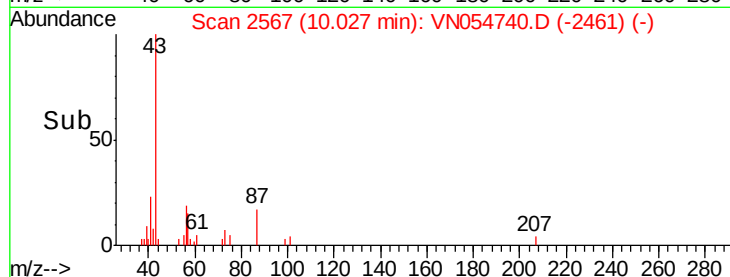
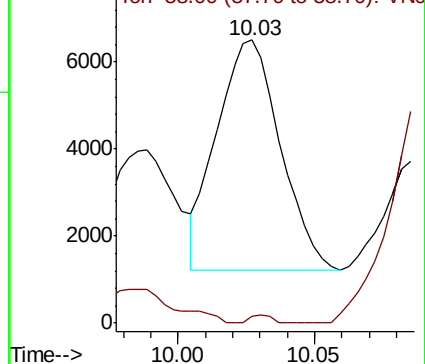
43 100

58 0.0 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: 2.266 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054740.D

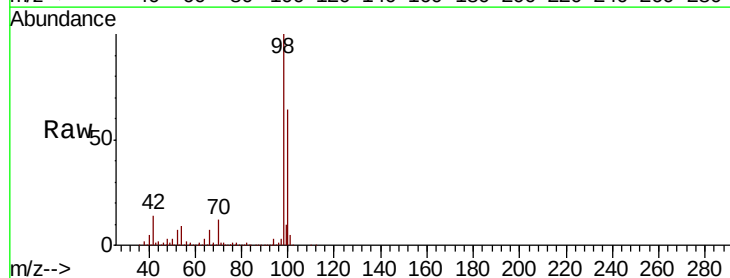
Acq: 28 Mar 2019 13:21

Tgt Ion: 75 Resp: 289

Ion Ratio Lower Upper

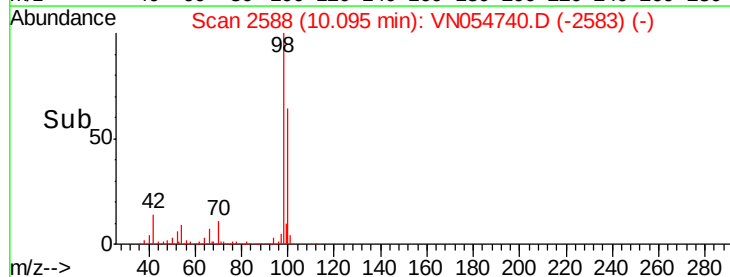
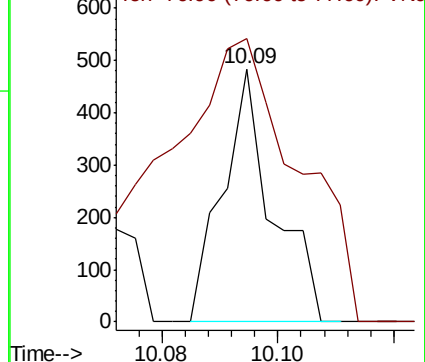
75 100

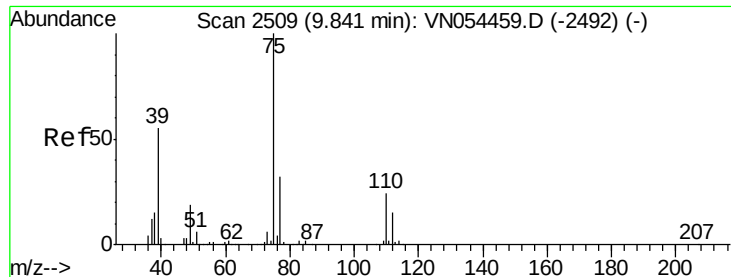
77 65.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



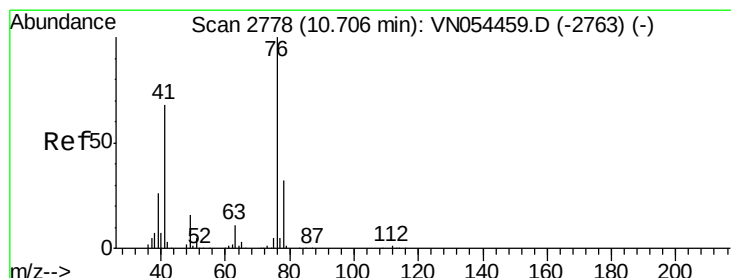
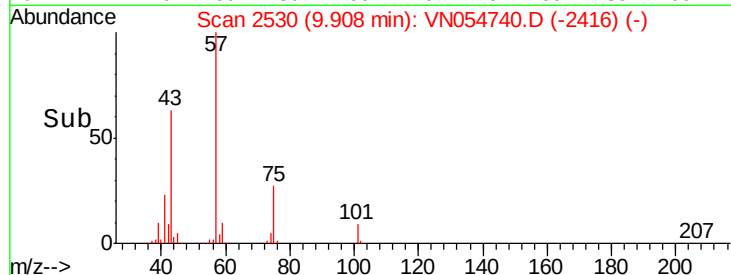
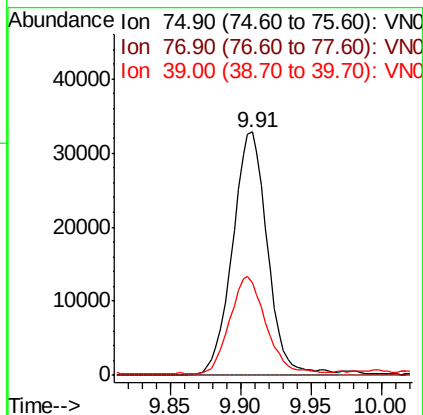
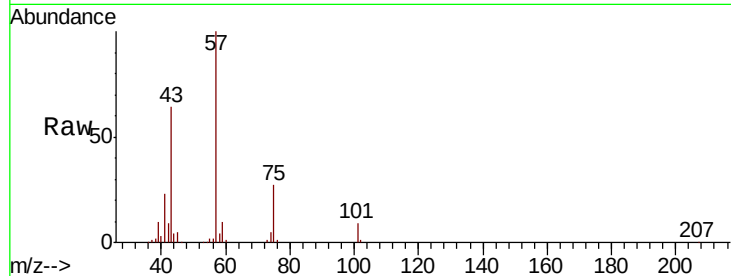


#54

cis-1,3-Dichloropropene
 Concen: 6.560 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

Instrument :
 MSVOA_N
 ClientSampled :
 TP-8

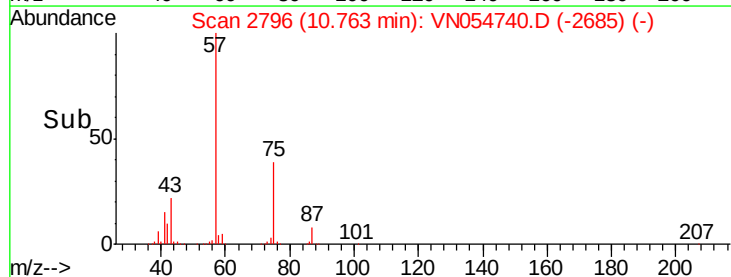
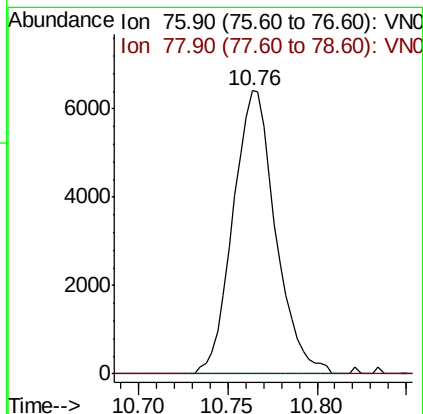
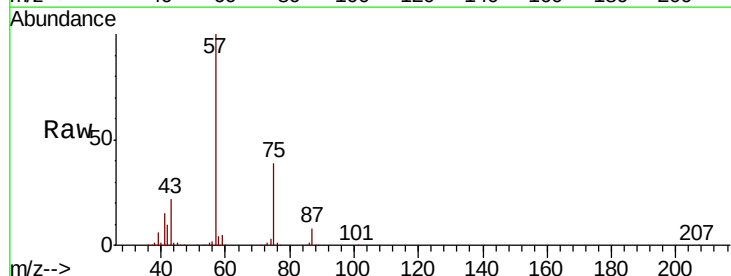
Tot Ion: 75 Resp: 57227
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 37.0 37.2 55.8#

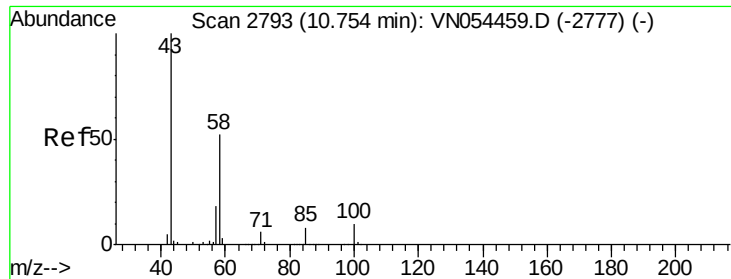


#57

1,3-Dichloropropane
 Concen: 1.215 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN054740.D
 Acq: 28 Mar 2019 13:21

Tgt Ion: 76 Resp: 10682
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

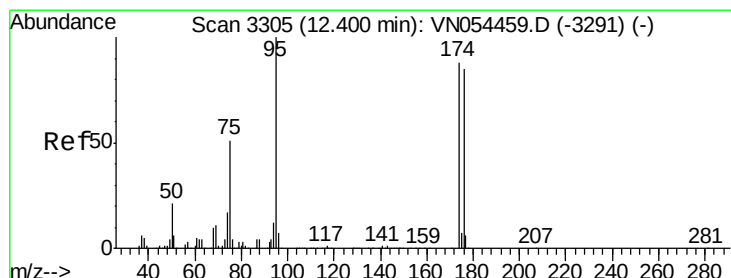
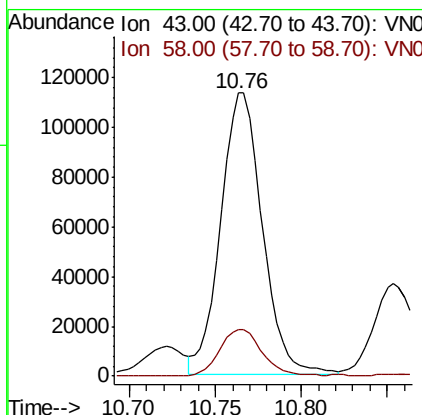
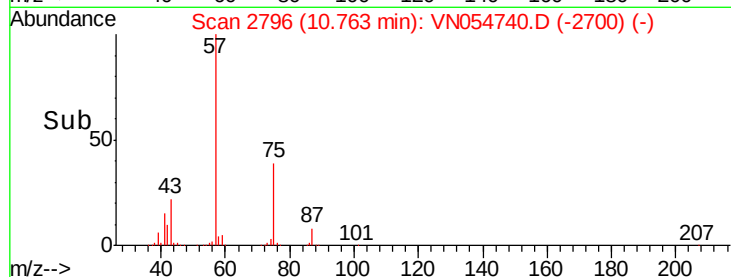
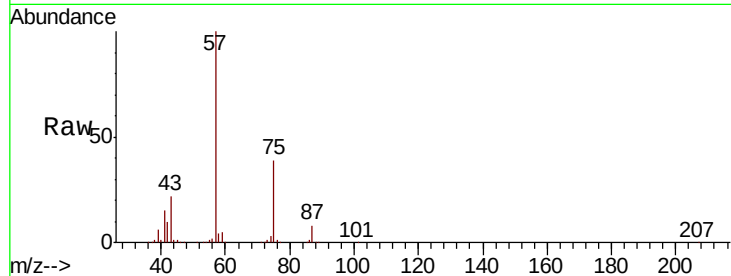




#59
2-Hexanone
Concen: 54.956 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

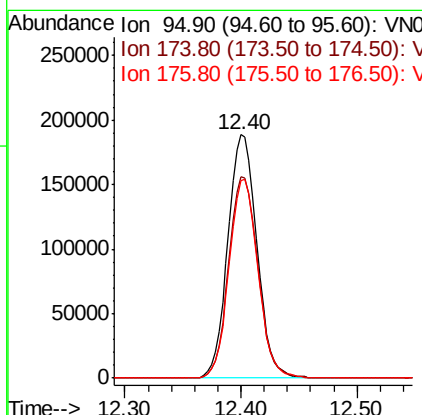
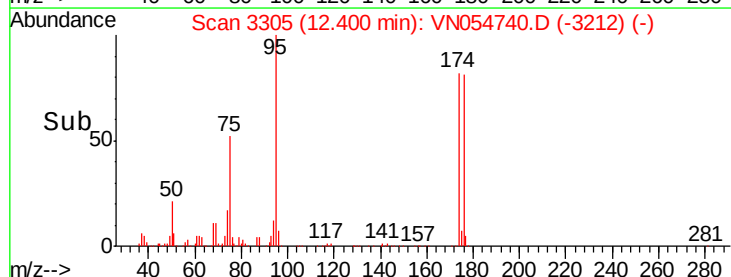
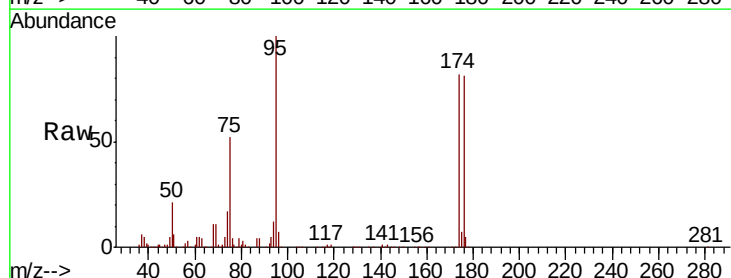
Instrument :
MSVOA_N
ClientSampled :
TP-8

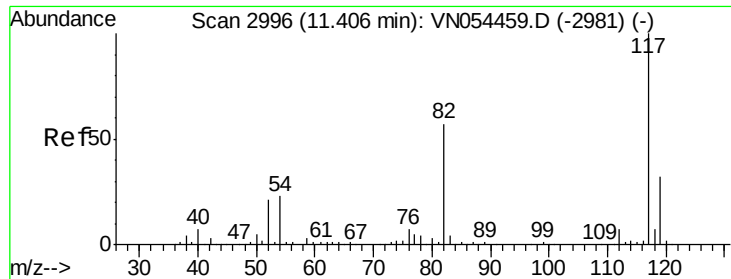
Tot Ion: 43 Resp: 191244
Ion Ratio Lower Upper
43 100
58 17.0 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 46.386 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion: 95 Resp: 327223
Ion Ratio Lower Upper
95 100
174 83.4 0.0 191.0
176 81.3 0.0 187.4

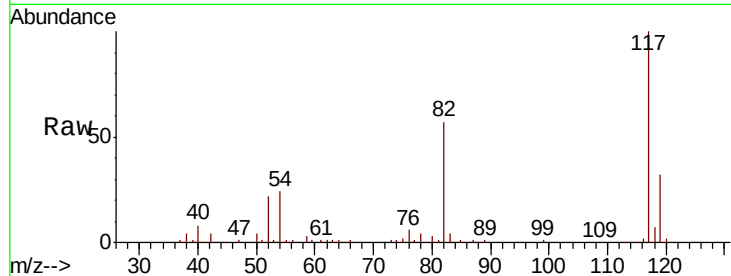




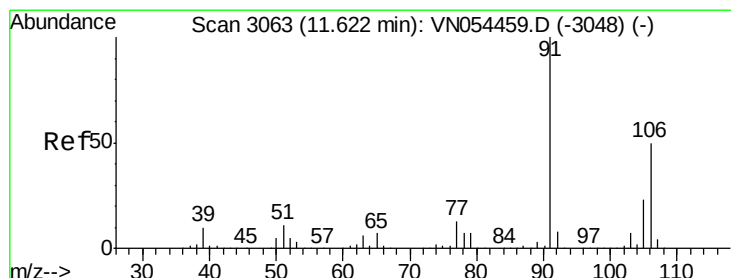
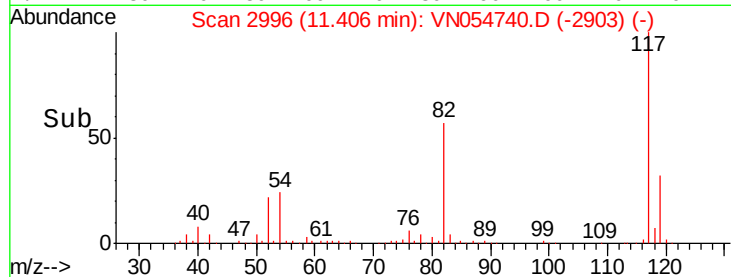
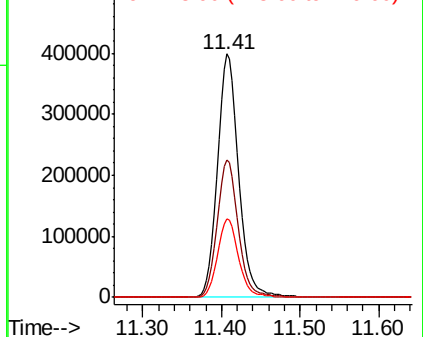
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Instrument :
MSVOA_N
ClientSampled :
TP-8

Tot Ion:117 Resp: 737379
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.3 25.8 38.6

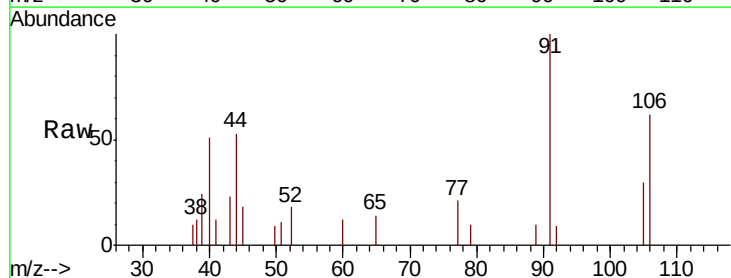


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

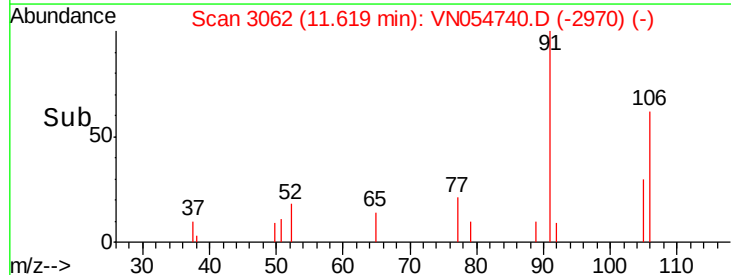
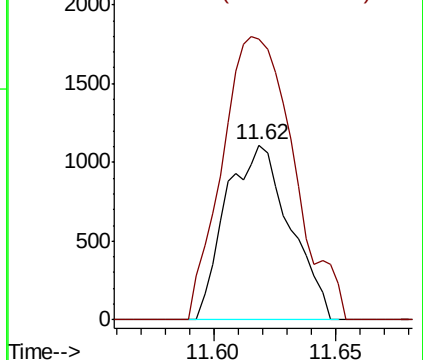


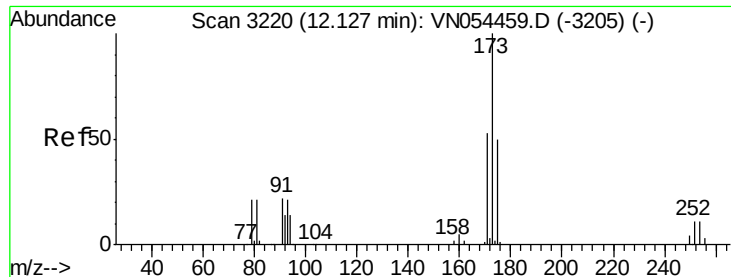
#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Tgt Ion:106 Resp: 2016
Ion Ratio Lower Upper
106 100
91 181.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 2.299 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

TP-8

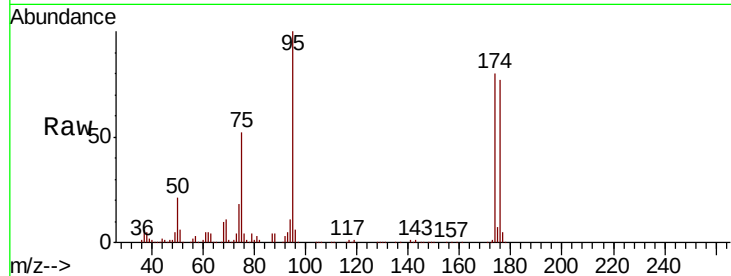
Tot Ion:173 Resp: 304

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

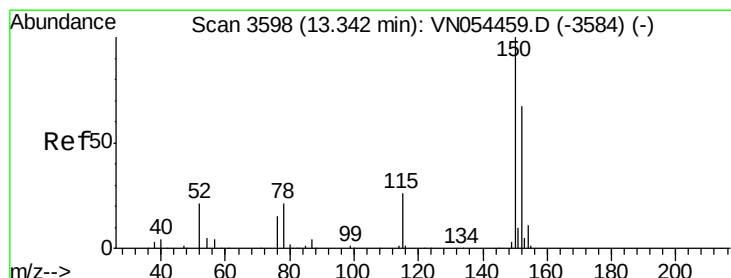
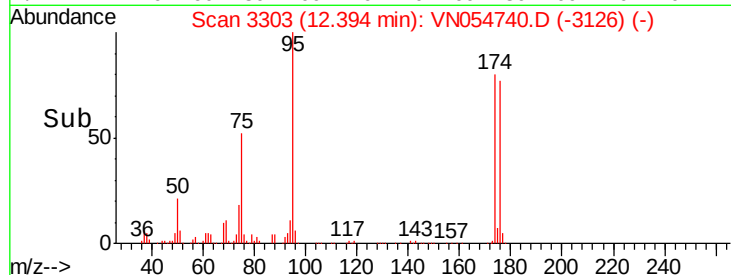
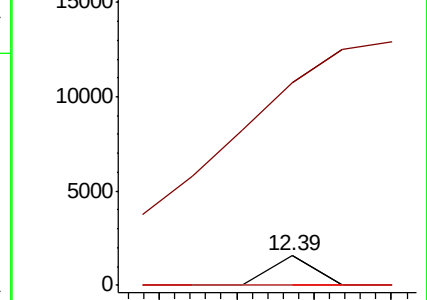
254 0.0 0.1 0.1#



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: VN054740.D

Acq: 28 Mar 2019 13:21

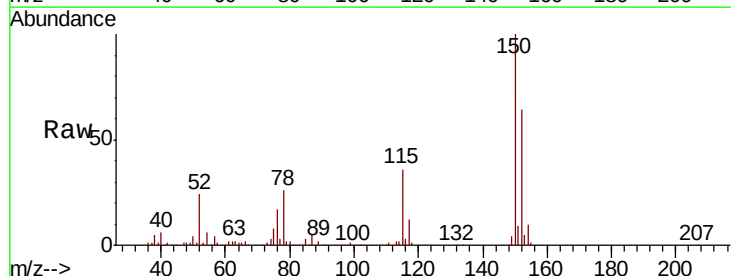
Tgt Ion:152 Resp: 282120

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

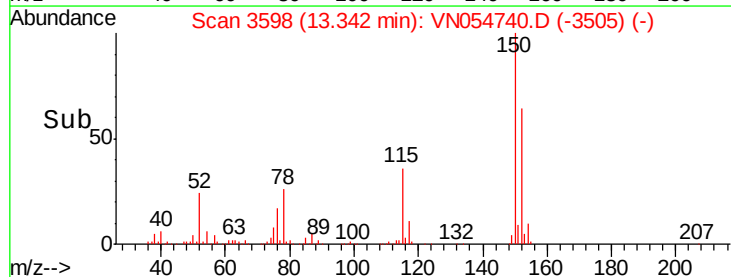
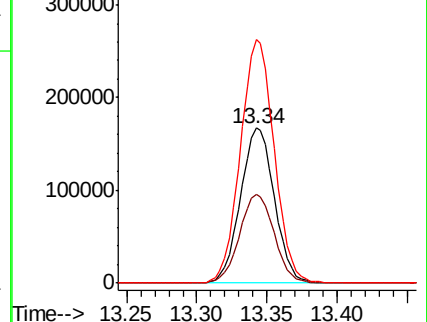
150 156.2 0.0 349.2

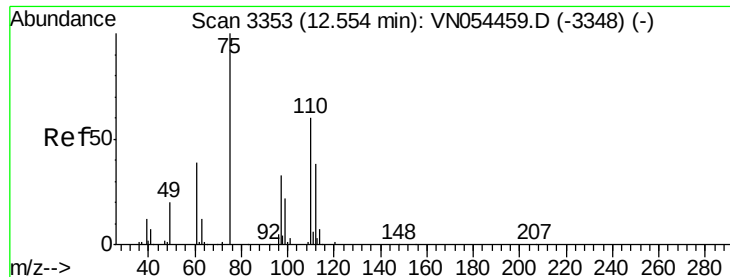


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.555 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

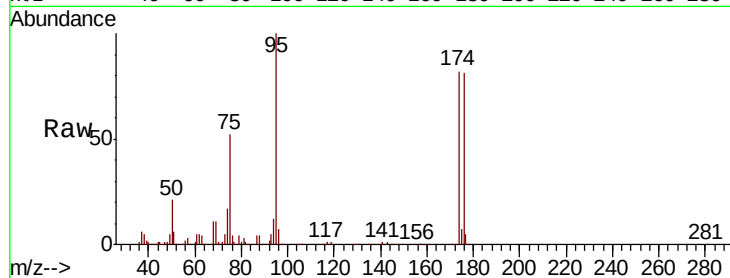
TP-8

Tot Ion: 75 Resp: 168126

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

12.40

100000

80000

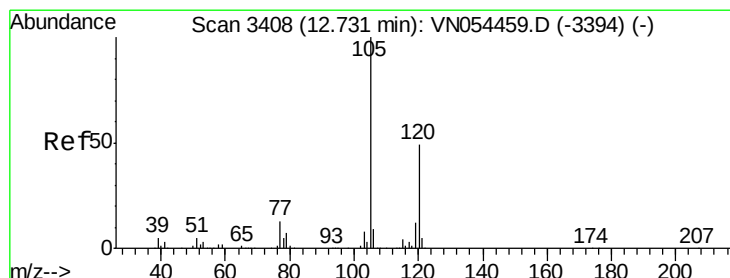
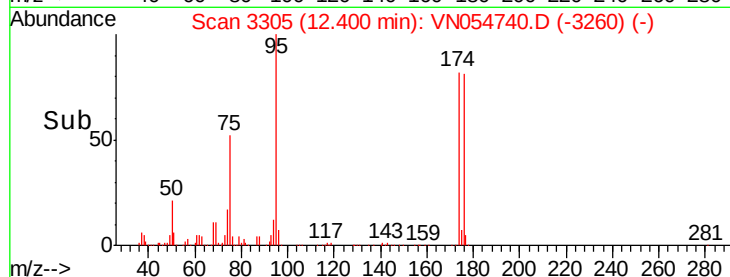
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.537 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054740.D

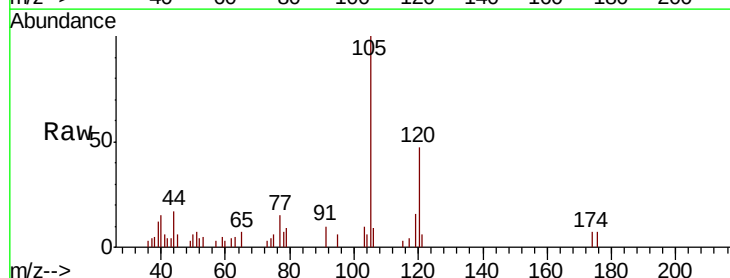
Acq: 28 Mar 2019 13:21

Tgt Ion: 105 Resp: 9997

Ion Ratio Lower Upper

105 100

120 49.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

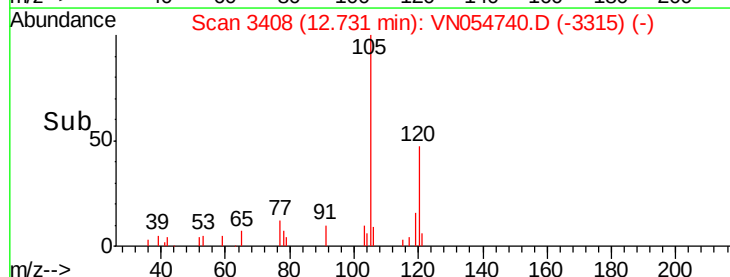
6000

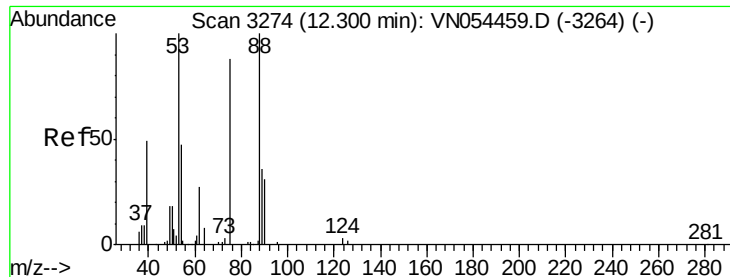
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 124.424 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

TP-8

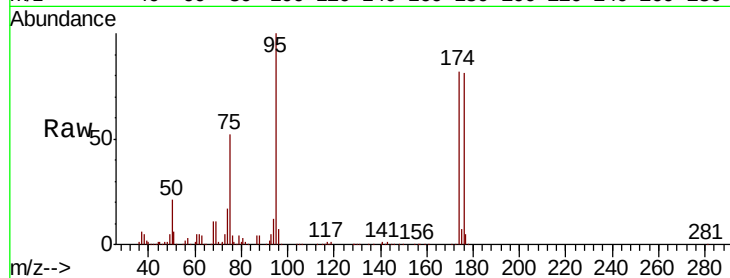
Tot Ion: 75 Resp: 168126

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

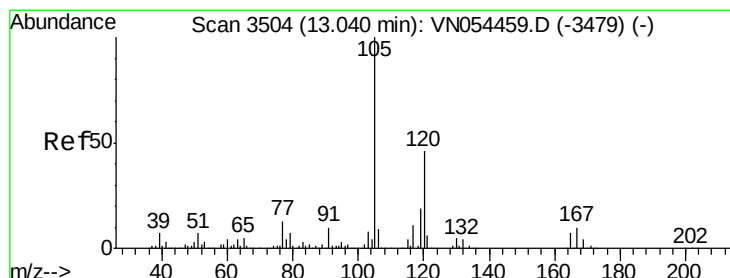
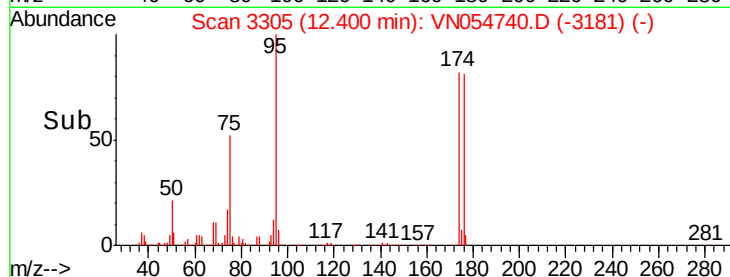
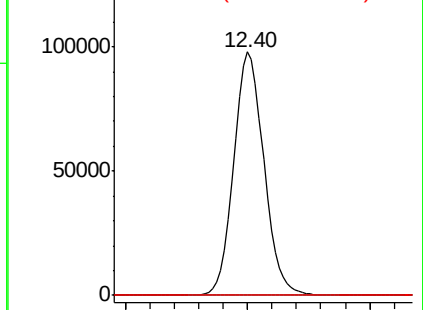
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 1.020 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054740.D

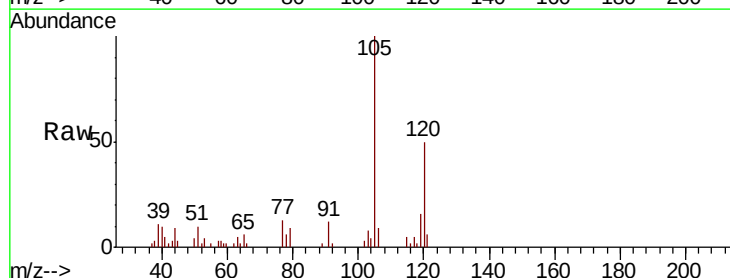
Acq: 28 Mar 2019 13:21

Tgt Ion: 105 Resp: 18651

Ion Ratio Lower Upper

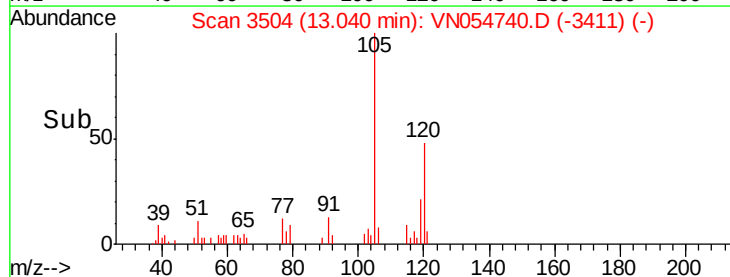
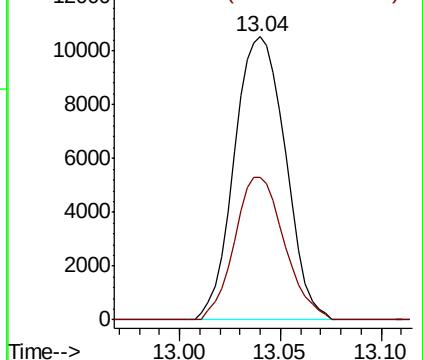
105 100

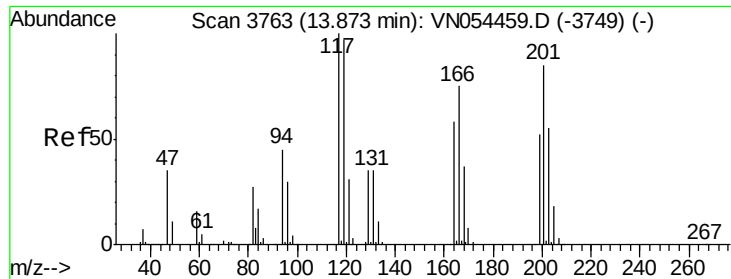
120 49.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.212 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

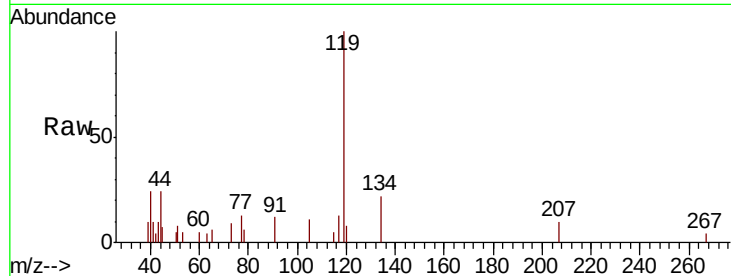
TP-8

Tot Ion:117 Resp: 594

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

500

400

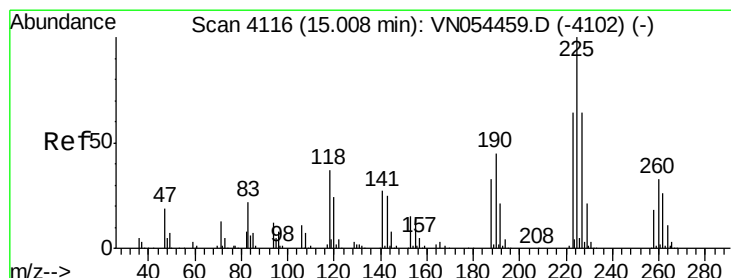
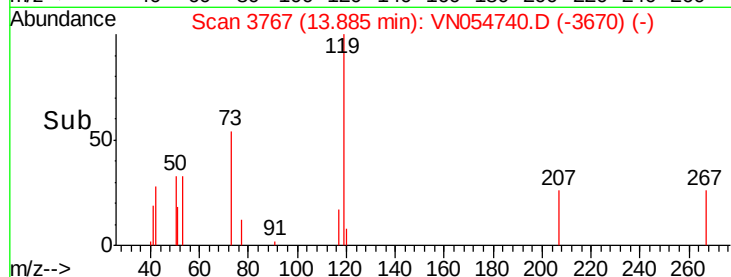
300

200

100

0

Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN054740.D

Acq: 28 Mar 2019 13:21

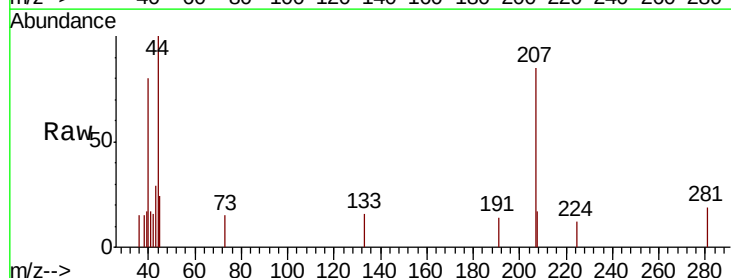
Tgt Ion:225 Resp: 60

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

227 51.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

200

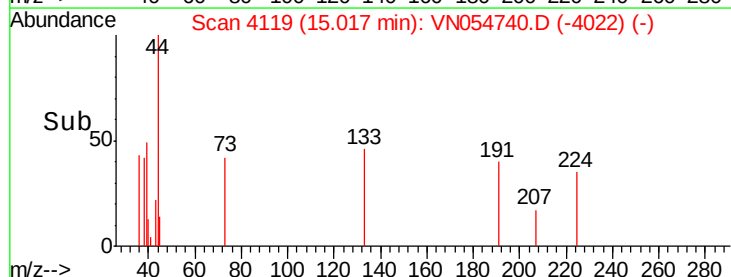
150

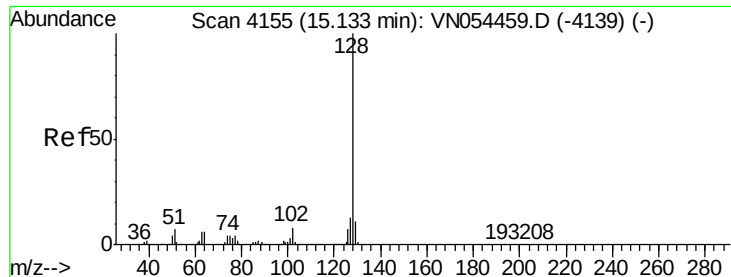
100

50

0

Time-->

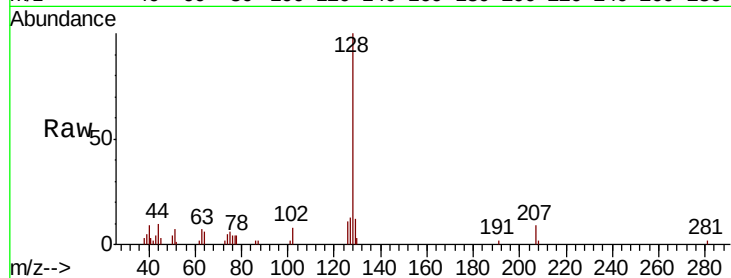




#95
Naphthalene
Concen: 1.864 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054740.D
Acq: 28 Mar 2019 13:21

Instrument :
MSVOA_N
ClientSampleId :
TP-8

Tot Ion:128 Resp: 18761
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 12.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

