

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054653.D
 Acq On : 24 Mar 2019 17:26
 Operator : JC/SP
 Sample : K2047-14
 Misc : 5.99µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:16:51 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	562717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	864621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	322005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	347373	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.59	113	260522	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.09	98	1045071	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	343486	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

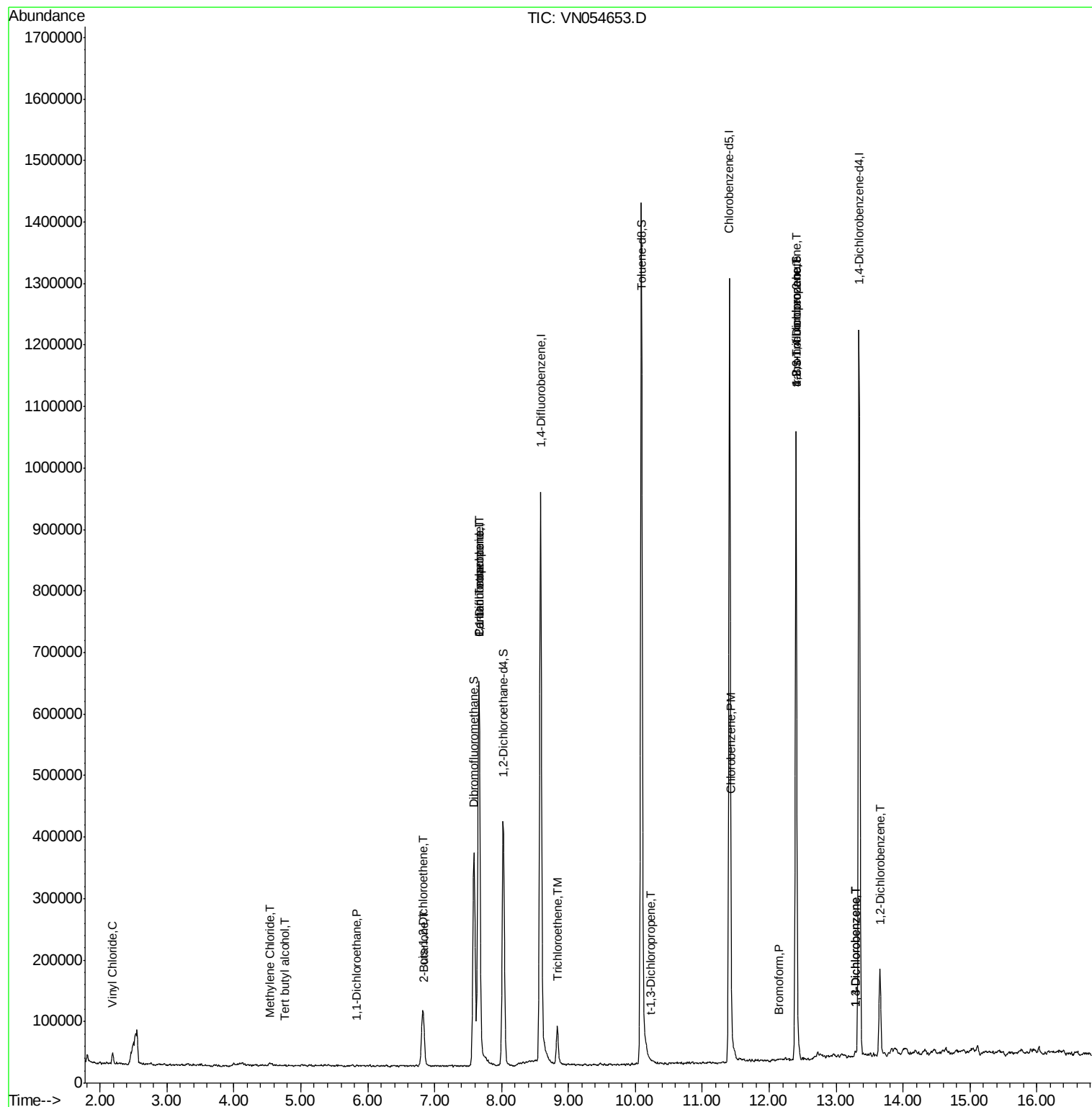
						Qvalue
4) Vinyl Chloride	2.19	62	15903	2.164	ug/l	97
11) Tert butyl alcohol	4.75	59	185	0.437	ug/l #	70
20) Methylene Chloride	4.54	84	2090	0.337	ug/l #	83
24) 1,1-Dichloroethane	5.83	63	2181	0.201	ug/l #	83
25) 2-Butanone	6.85	43	721	0.267	ug/l #	52
27) cis-1,2-Dichloroethene	6.82	96	58778	8.891	ug/l	99
31) Cyclohexane	7.66	56	11840	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	41303	5.109	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50356	6.410	ug/l #	17
44) Trichloroethene	8.83	130	23818	3.706	ug/l	98
53) t-1,3-Dichloropropene	10.24	75	106	2.245	ug/l #	42
65) Chlorobenzene	11.44	112	3207	0.209	ug/l	93
71) Bromoform	12.14	173	107	2.247	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	177636	34.764	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177636	115.414	ug/l #	11
87) 1,3-Dichlorobenzene	13.28	146	3707	0.348	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	3707	0.357	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	62043	6.006	ug/l	97

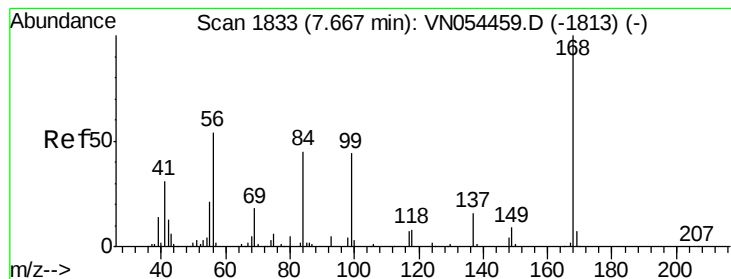
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019
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: VN054653.D

Acq: 24 Mar 2019 17:26

Instrument :

MSVOA_N

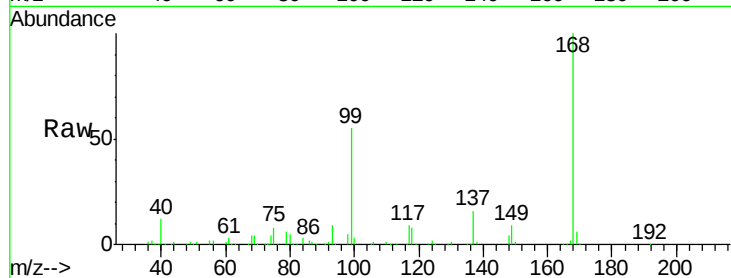
ClientSampleId :

Tot Ion:168 Resp: 562717

Ion Ratio Lower Upper

168 100

99 55.2 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

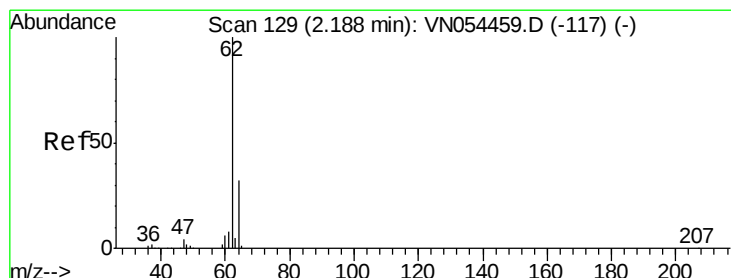
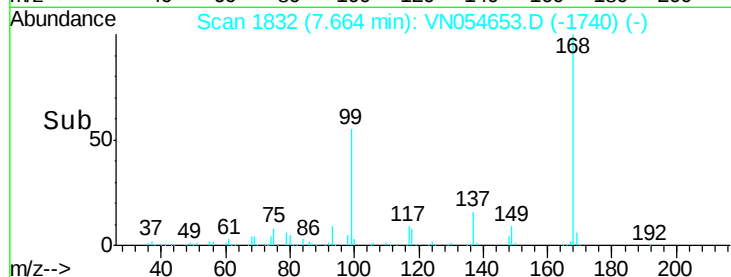
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 2.164 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054653.D

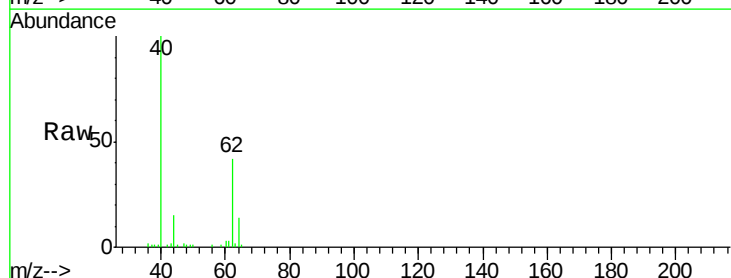
Acq: 24 Mar 2019 17:26

Tgt Ion: 62 Resp: 15903

Ion Ratio Lower Upper

62 100

64 33.4 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

12000

10000

8000

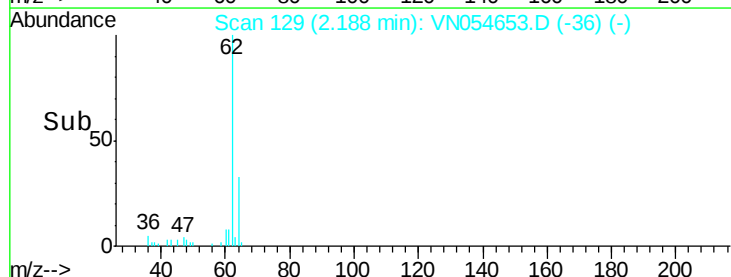
6000

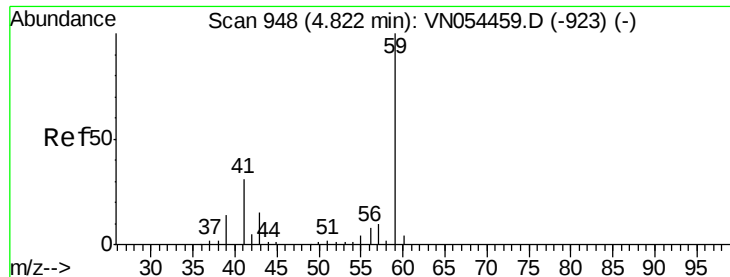
4000

2000

0

Time--> 2.15 2.20 2.25

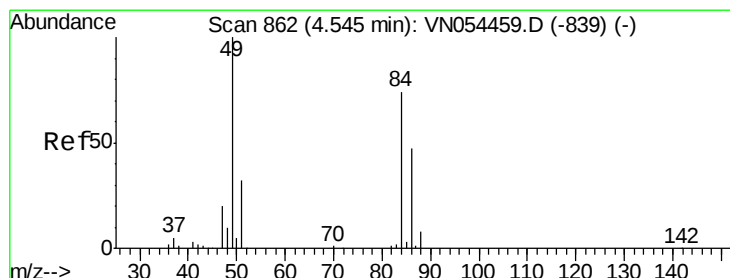
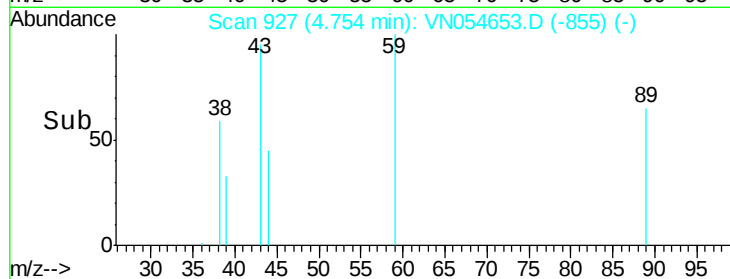
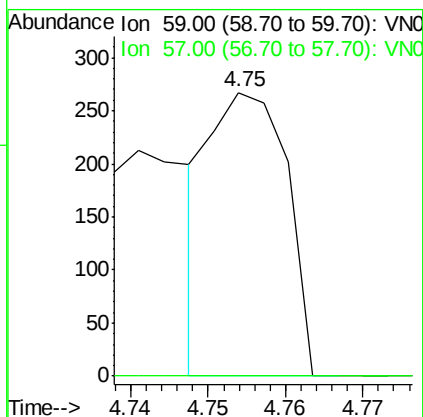
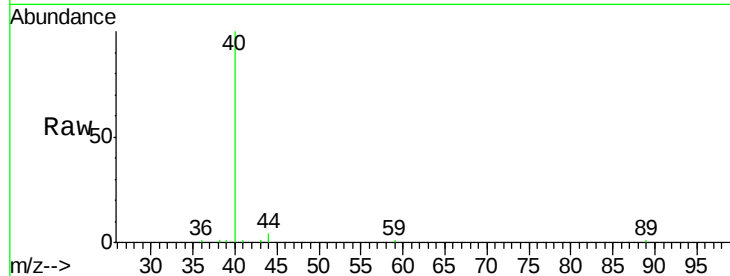




#11
Tert butyl alcohol
Concen: 0.437 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.07 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

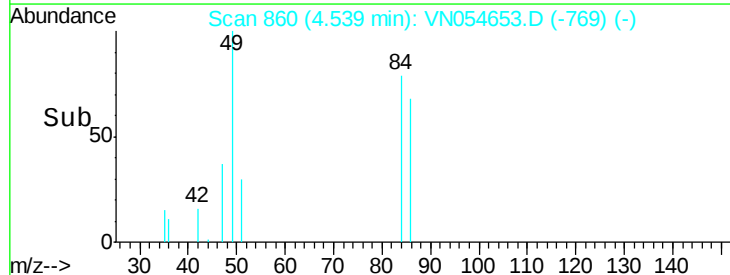
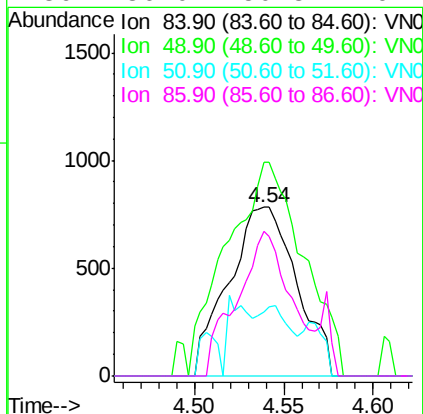
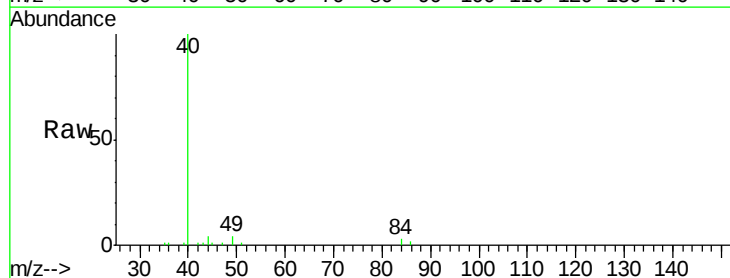
Instrument :
MSVOA_N
ClientSampleId :

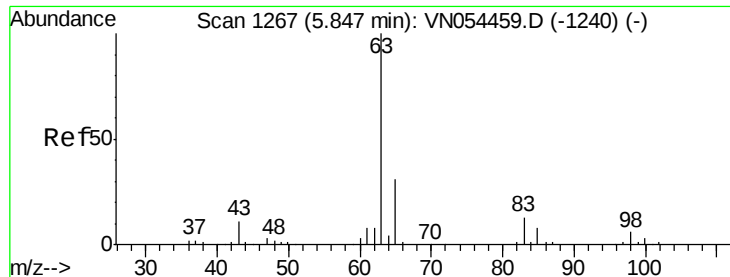
Tot Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#20
Methylene Chloride
Concen: 0.337 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

Tgt Ion: 84 Resp: 2090
Ion Ratio Lower Upper
84 100
49 126.6 89.7 134.5
51 37.8 28.2 42.4
86 86.0 50.8 76.2#

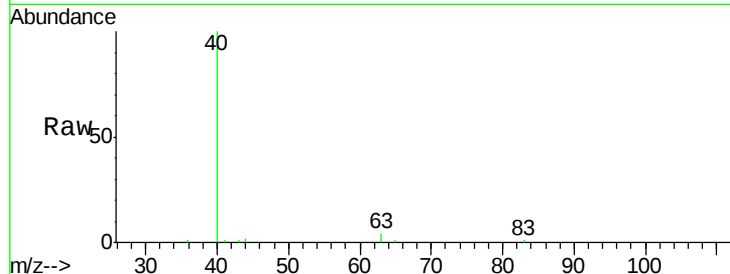




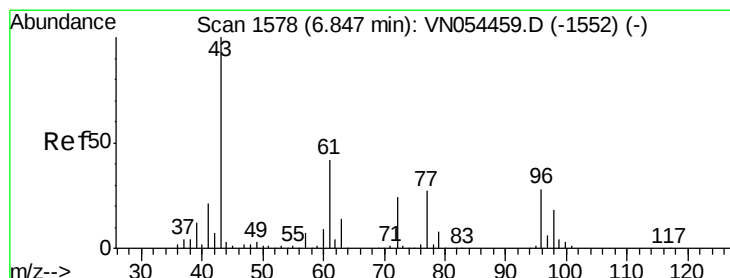
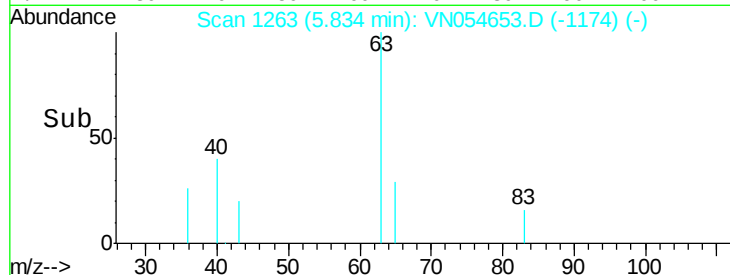
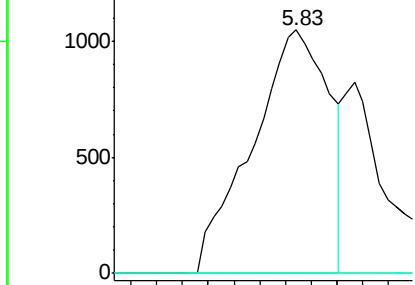
#24
 1,1-Dichloroethane
 Concen: 0.201 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 2181
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 0.0 2.0 6.0#

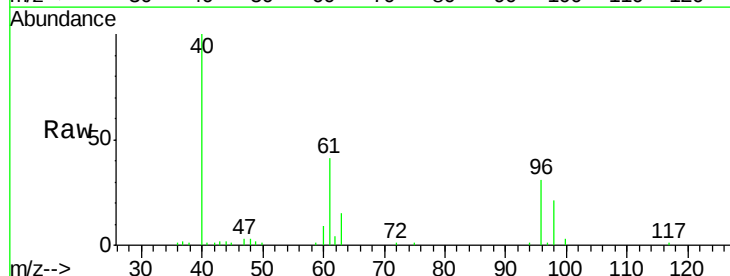


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

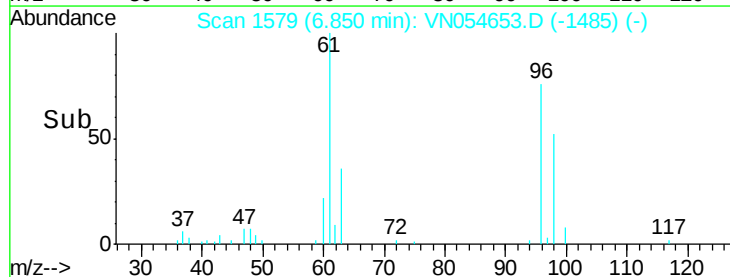
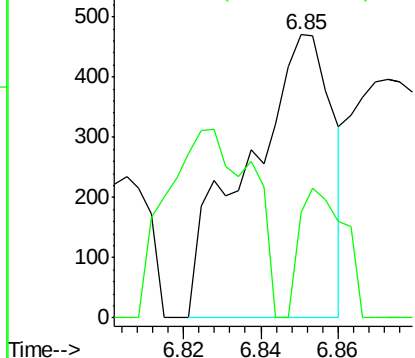


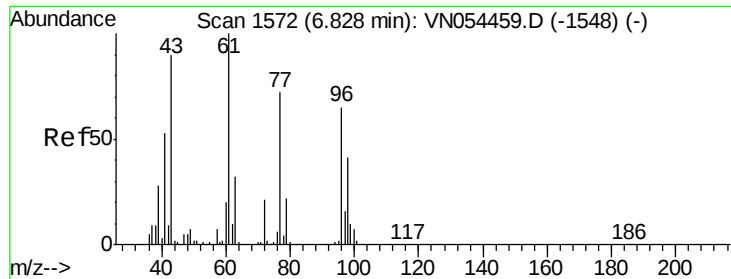
#25
 2-Butanone
 Concen: 0.267 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

Tgt Ion: 43 Resp: 721
 Ion Ratio Lower Upper
 43 100
 72 3.4 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

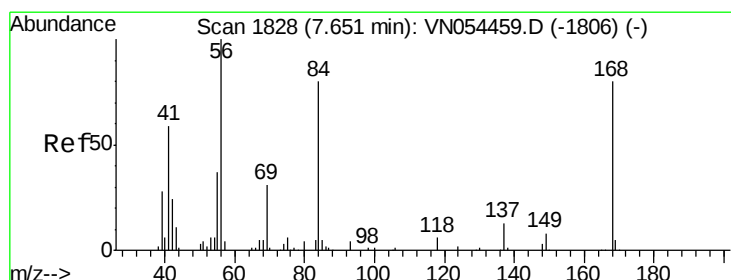
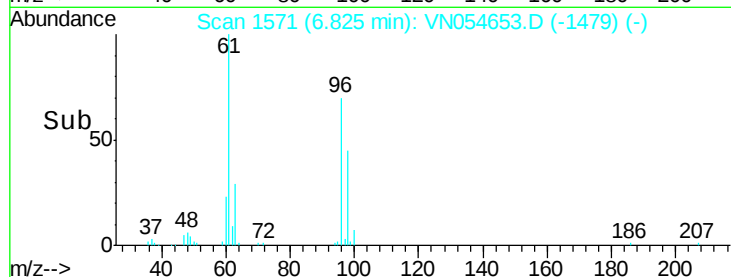
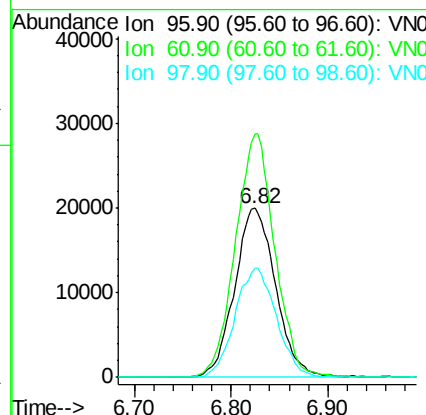
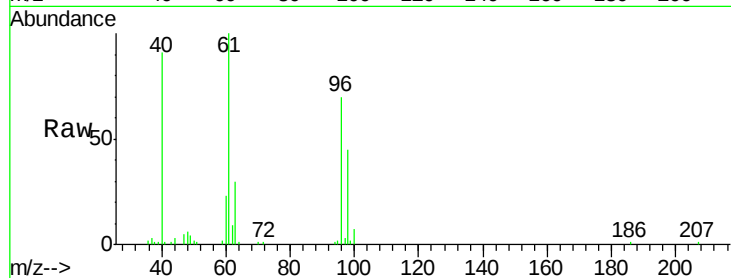




#27
 cis-1,2-Dichloroethene
 Concen: 8.891 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

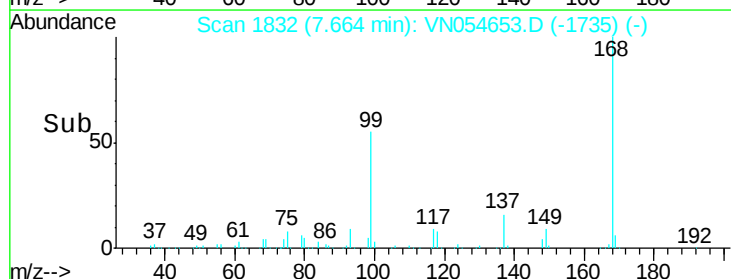
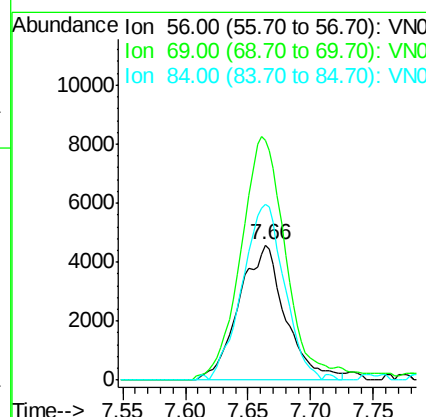
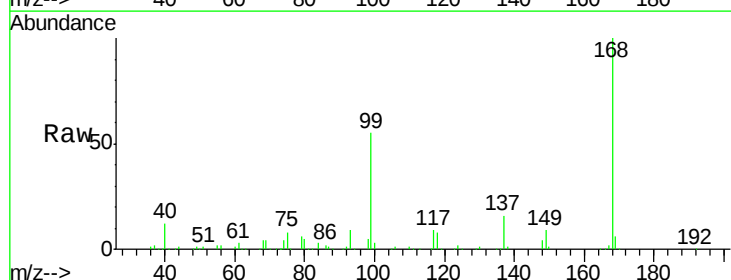
Instrument :
 MSVOA_N
 ClientSampled :

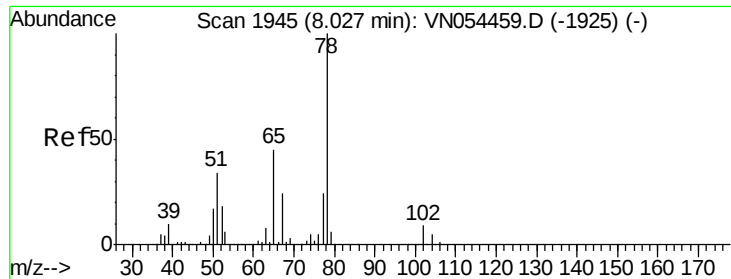
Tot Ion: 96 Resp: 58778
 Ion Ratio Lower Upper
 96 100
 61 138.2 0.0 273.0
 98 64.9 0.0 130.6



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.66 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

Tgt Ion: 56 Resp: 11840
 Ion Ratio Lower Upper
 56 100
 69 177.8 27.8 41.6#
 84 130.0 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 49.630 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

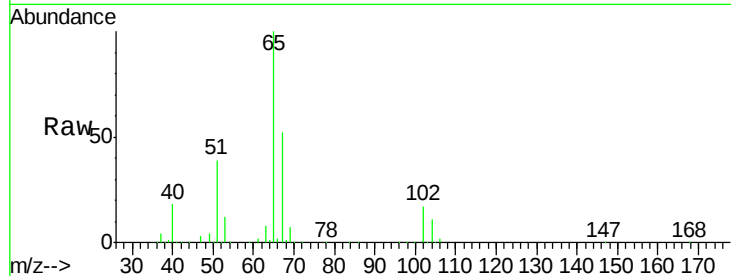
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 347373

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.02

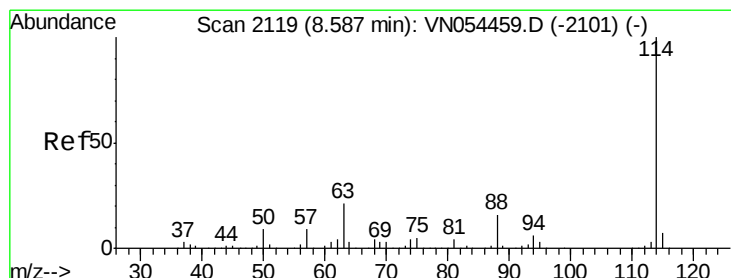
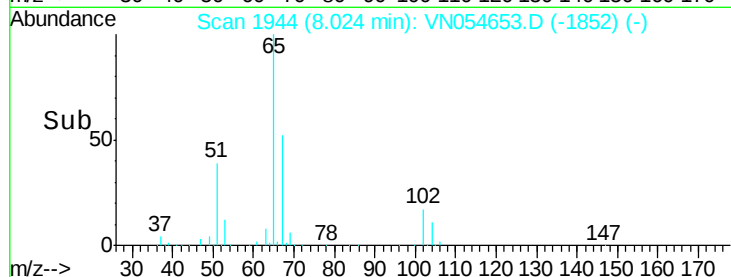
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

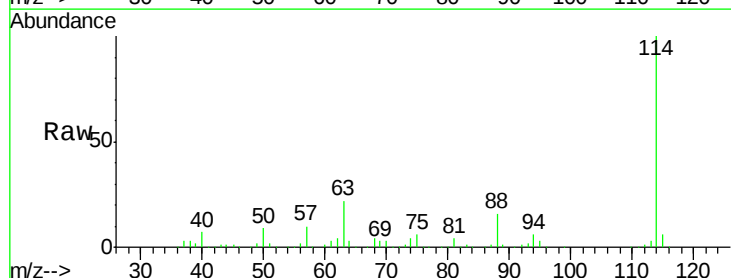
Tgt Ion: 114 Resp: 864621

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.58

500000

400000

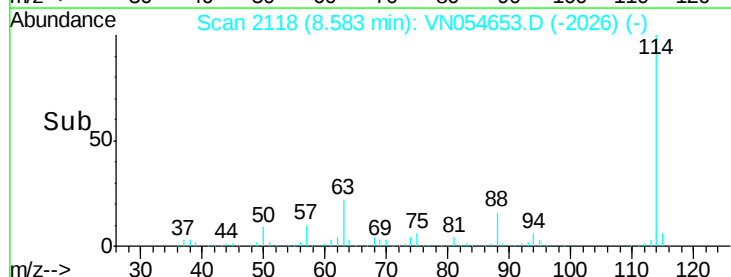
300000

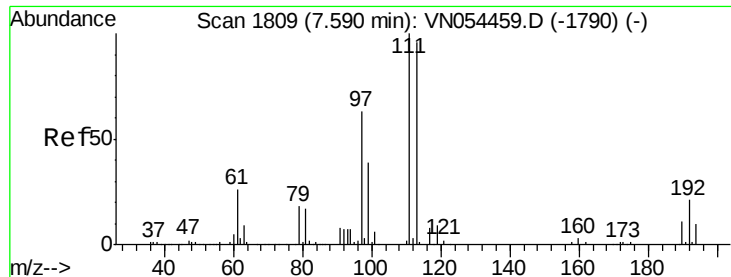
200000

100000

0

Time-->

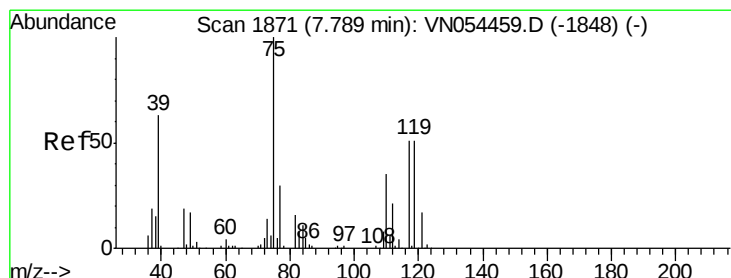
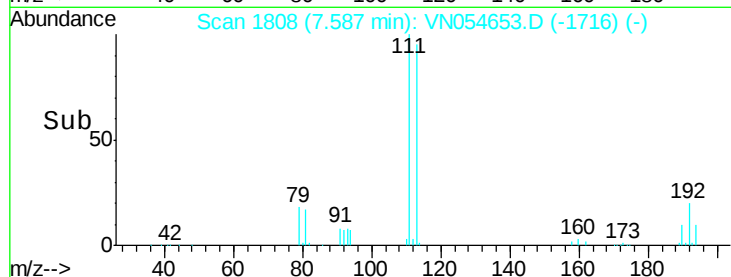
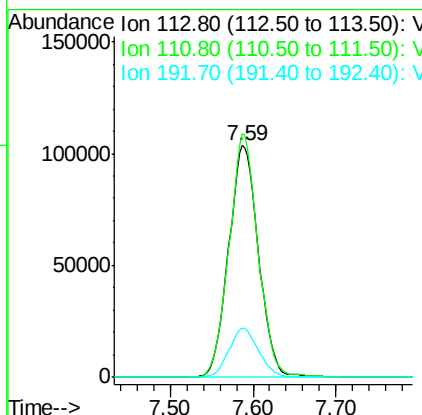
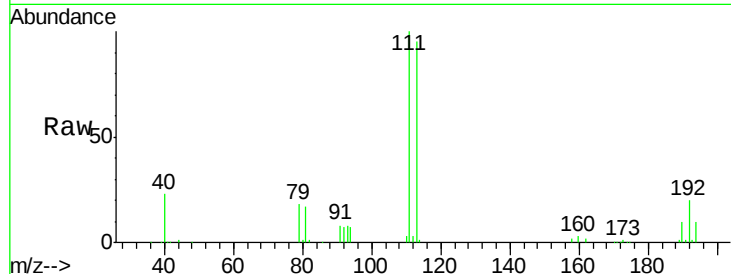




#35
 Dibromofluoromethane
 Concen: 46.770 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

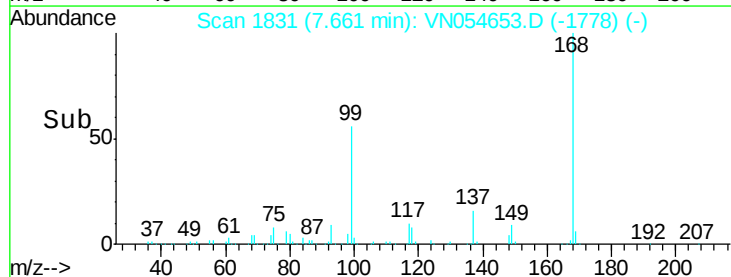
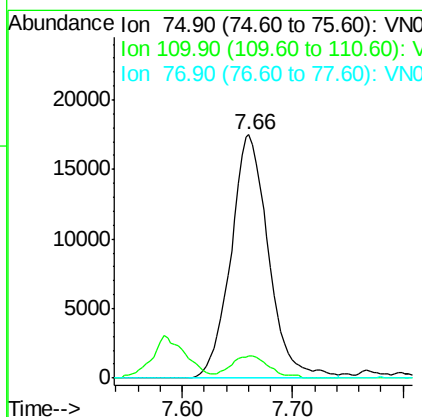
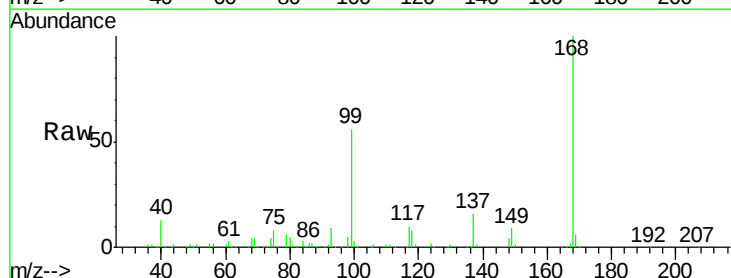
Instrument :
 MSVOA_N
 ClientSampled :

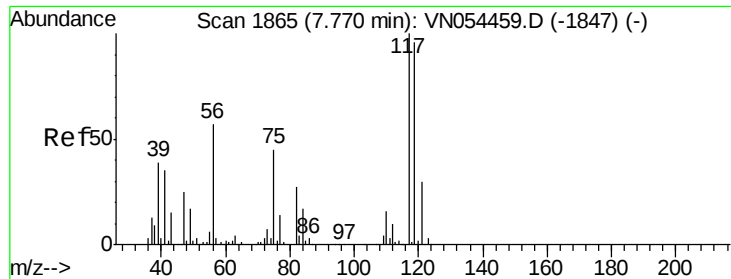
Tot Ion:113 Resp: 260522
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 21.1 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054653.D
 Acq: 24 Mar 2019 17:26

Tgt Ion: 75 Resp: 41303
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.410 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

Instrument :
MSVOA_N
ClientSampled :

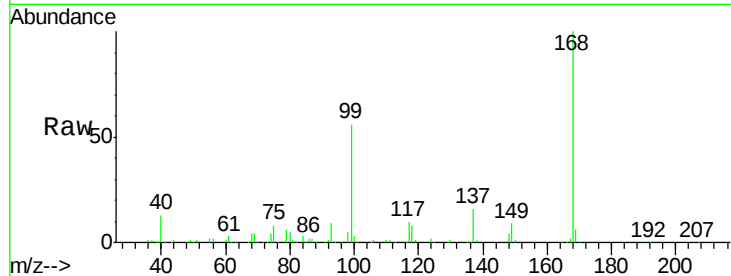
Tot Ion:117 Resp: 50356

Ion Ratio Lower Upper

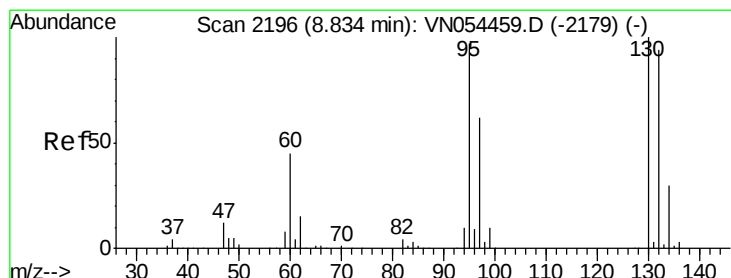
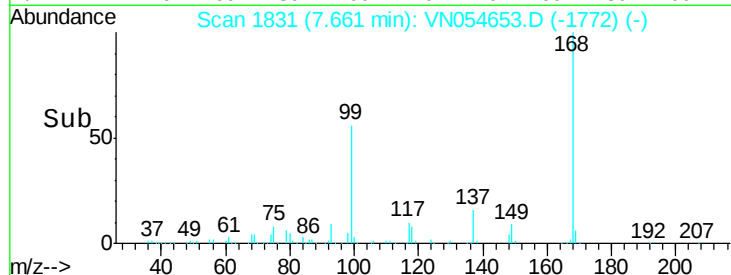
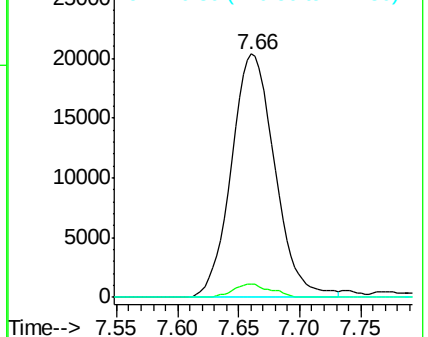
117 100

119 5.5 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



#44

Trichloroethene

Concen: 3.706 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054653.D

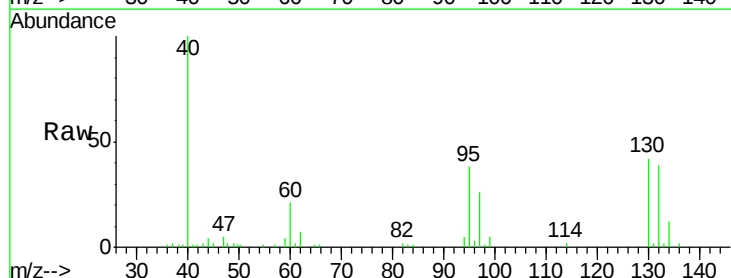
Acq: 24 Mar 2019 17:26

Tgt Ion:130 Resp: 23818

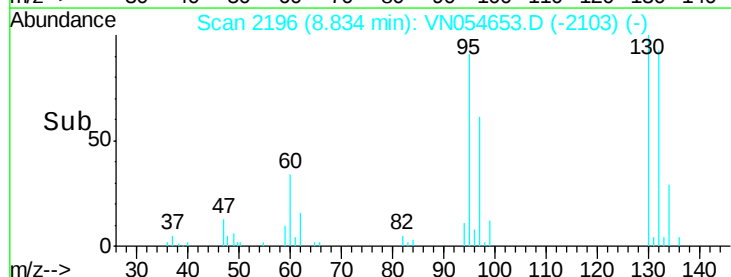
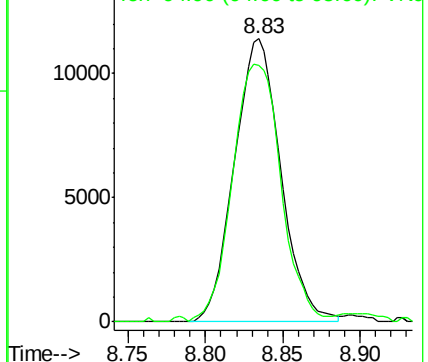
Ion Ratio Lower Upper

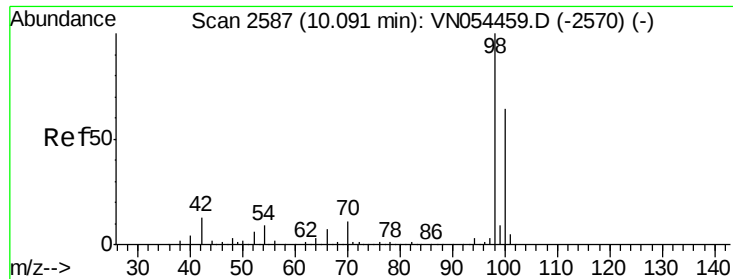
130 100

95 90.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.906 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

Instrument :

MSVOA_N

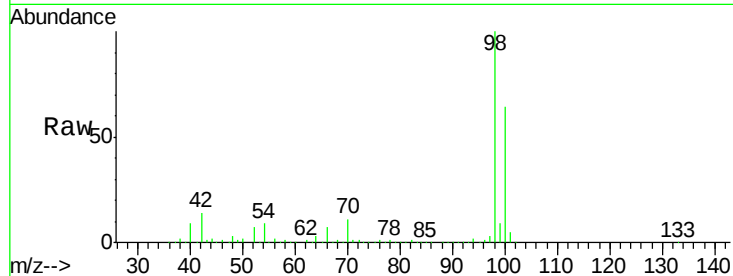
ClientSampleId :

Tot Ion: 98 Resp: 1045071

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): VN

10.09

600000

500000

400000

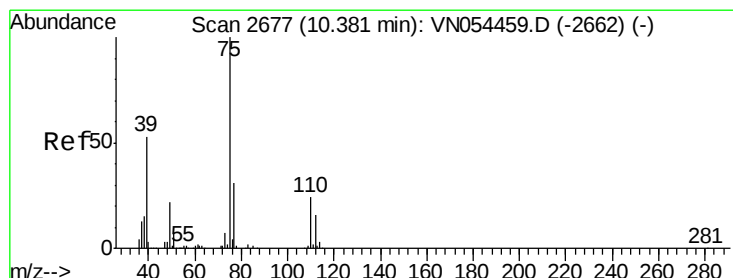
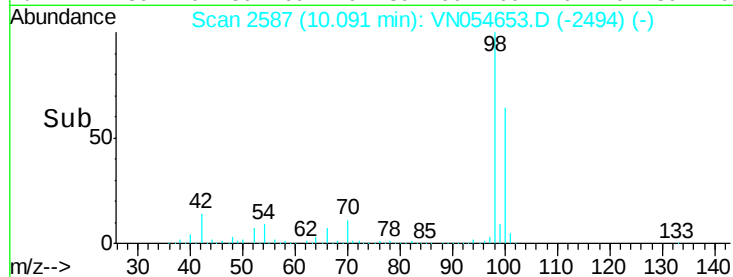
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.245 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN054653.D

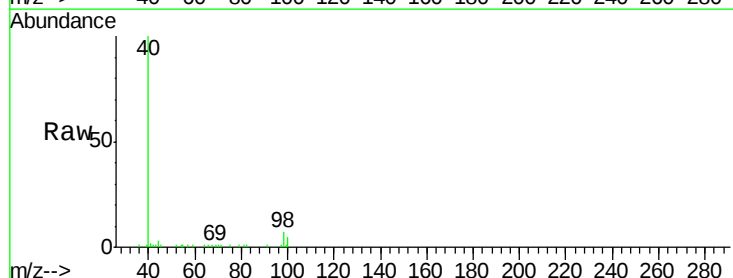
Acq: 24 Mar 2019 17:26

Tgt Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.24

200

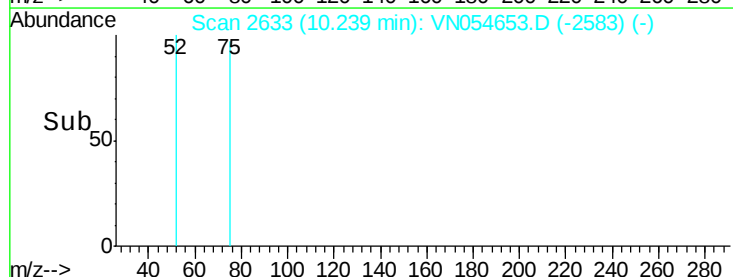
150

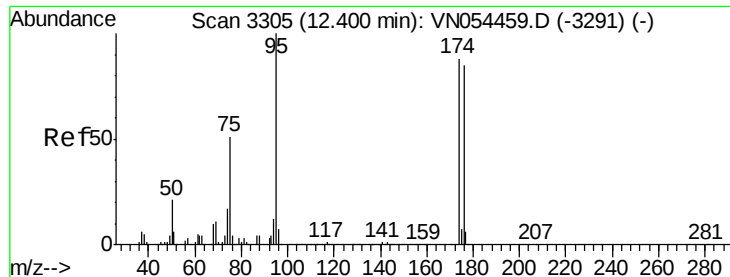
100

50

0

Time-->

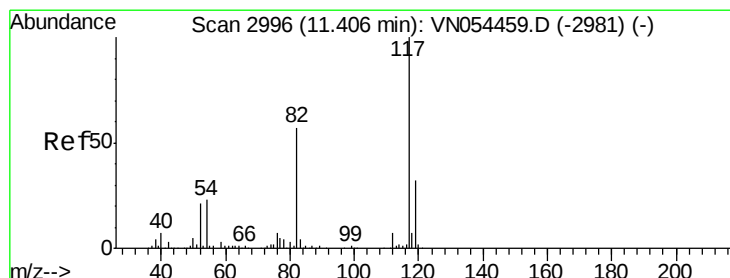
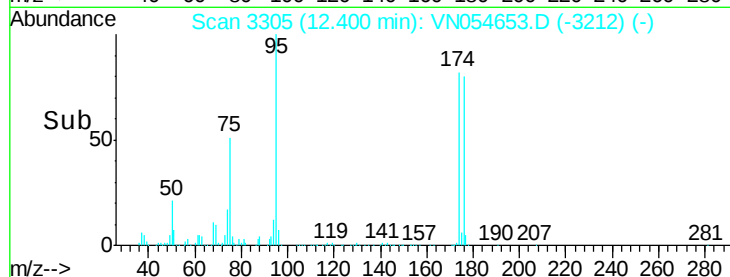
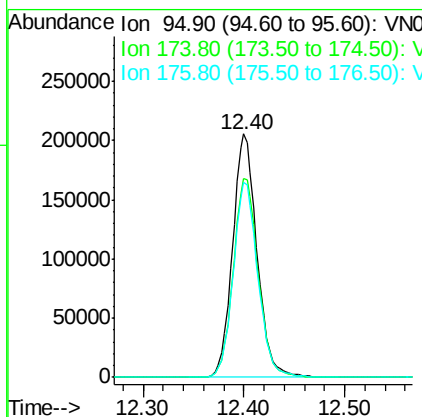
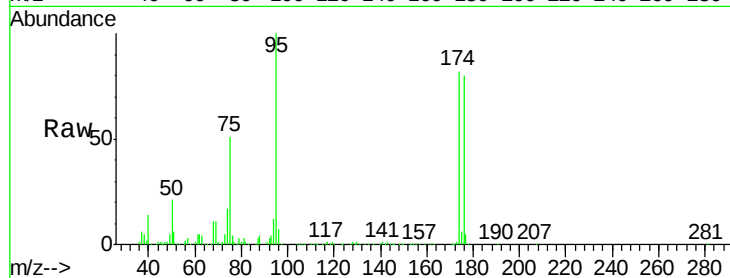




#62
4-Bromofluorobenzene
Concen: 48.203 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

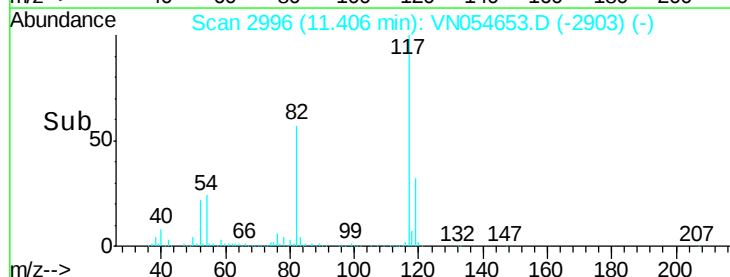
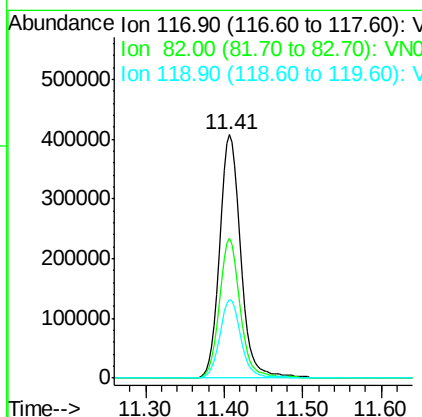
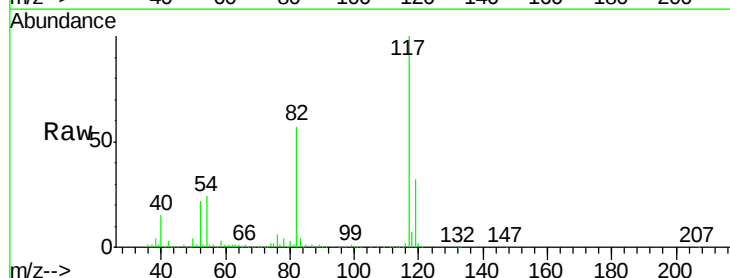
Instrument :
MSVOA_N
ClientSampleId :

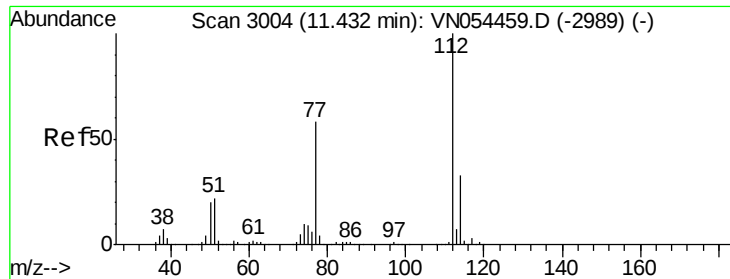
Tot Ion: 95 Resp: 343486
Ion Ratio Lower Upper
95 100
174 84.1 0.0 191.0
176 81.5 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

Tgt Ion: 117 Resp: 753068
Ion Ratio Lower Upper
117 100
82 57.3 40.0 60.0
119 32.1 25.8 38.6





#65

Chlorobenzene

Concen: 0.209 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

Instrument :

MSVOA_N

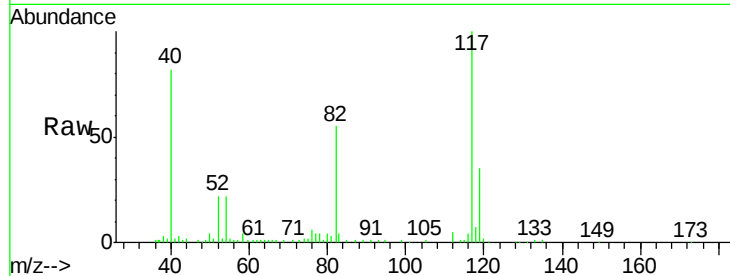
ClientSampled :

Tot Ion:112 Resp: 3207

Ion Ratio Lower Upper

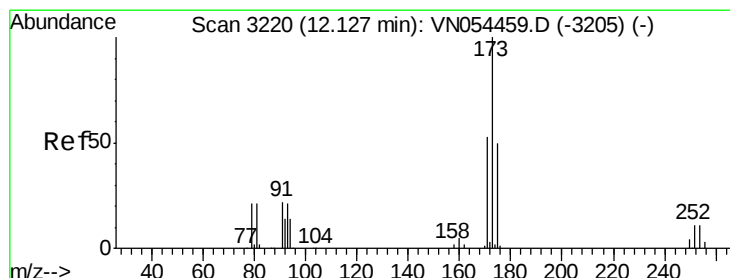
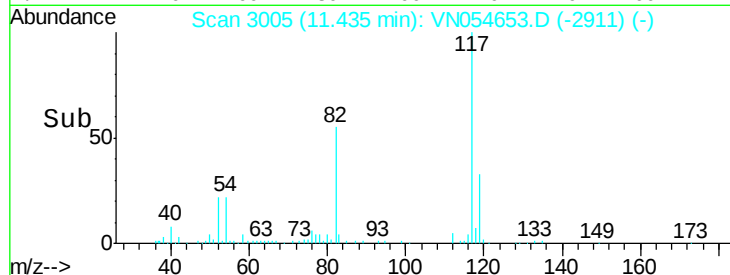
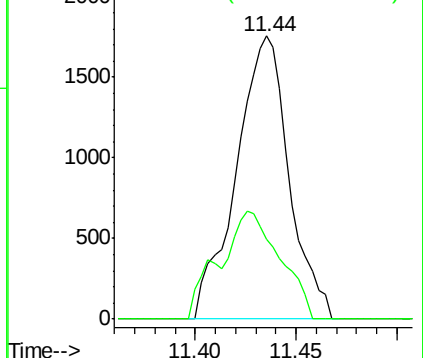
112 100

114 28.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 2.247 ug/l

RT: 12.14 min Scan# 3224

Delta R.T. 0.01 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

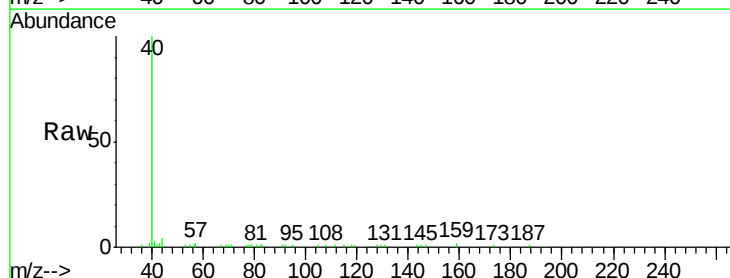
Tgt Ion:173 Resp: 107

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

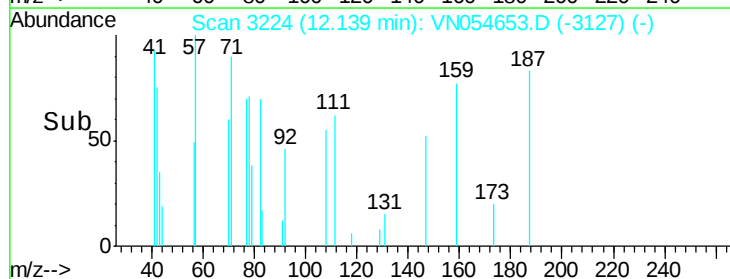
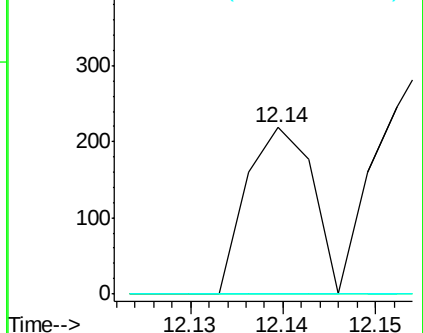
254 0.0 0.1 0.1#

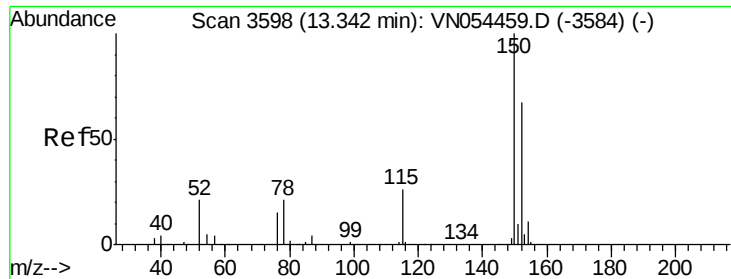


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



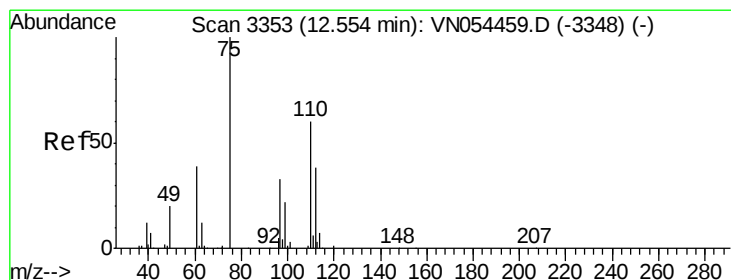
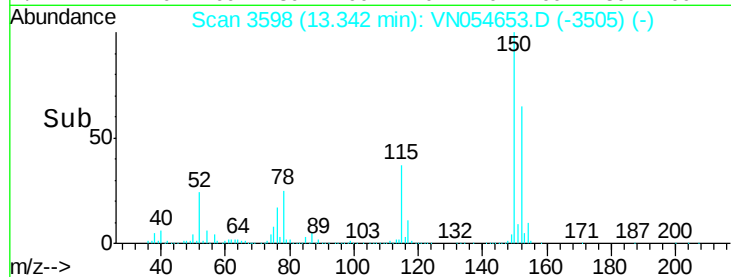
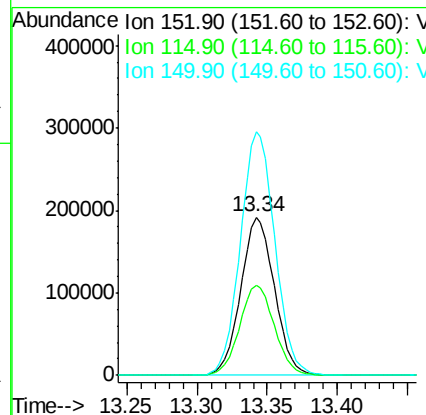
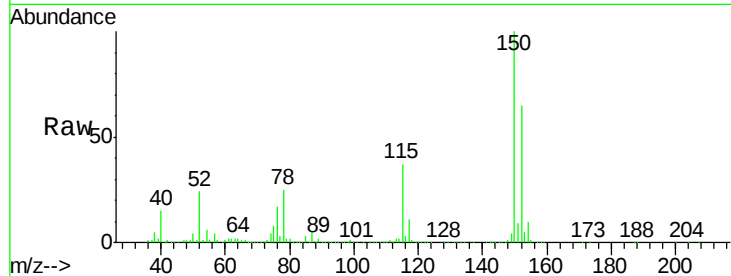


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :

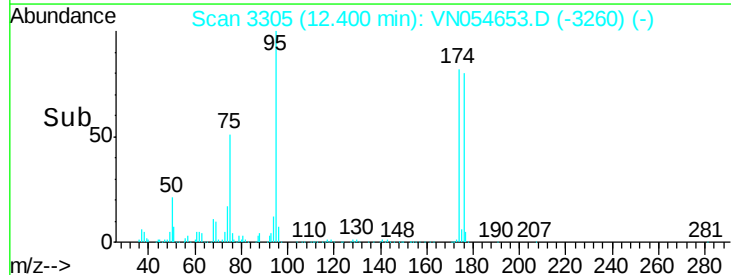
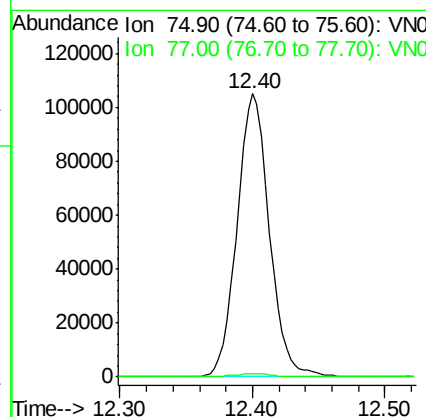
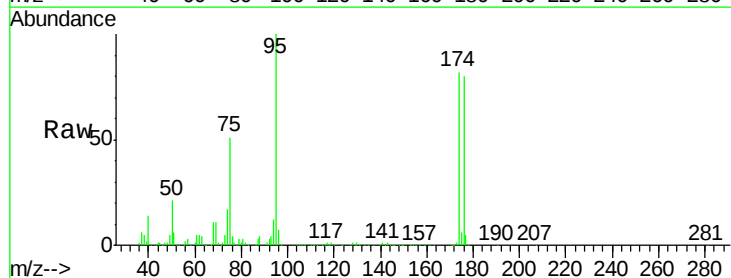
Tot Ion:152 Resp: 322005
Ion Ratio Lower Upper
152 100
115 58.5 27.2 81.6
150 157.6 0.0 349.2

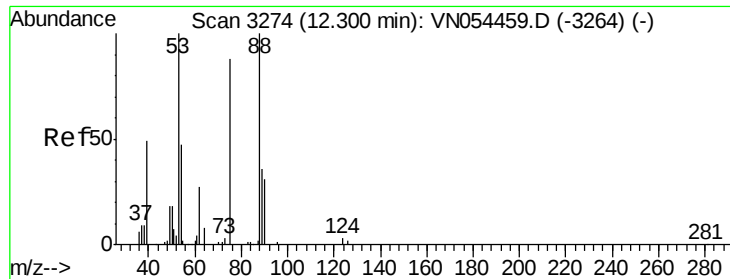


#76

1,2,3-Trichloropropane
Concen: 34.764 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

Tgt Ion: 75 Resp: 177636
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

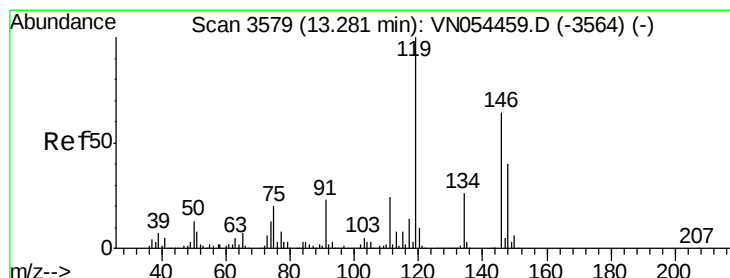
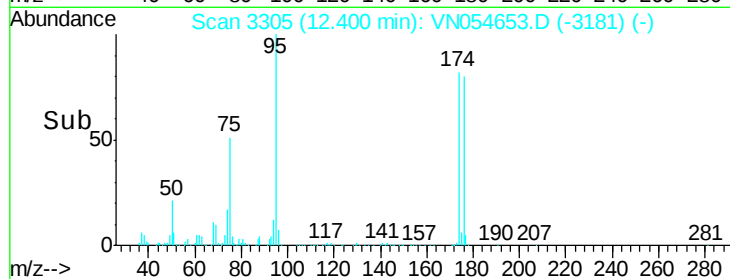
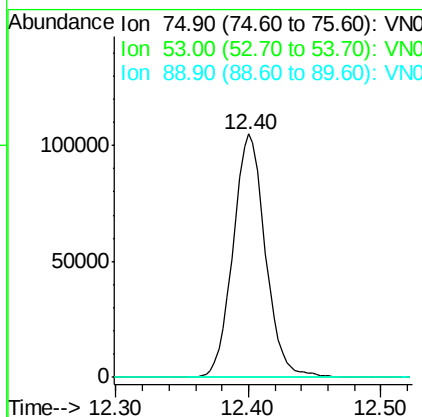
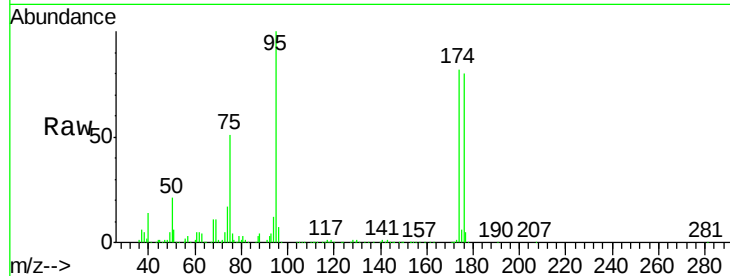




#81
trans-1,4-Dichloro-2-butene
Concen: 115.414 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

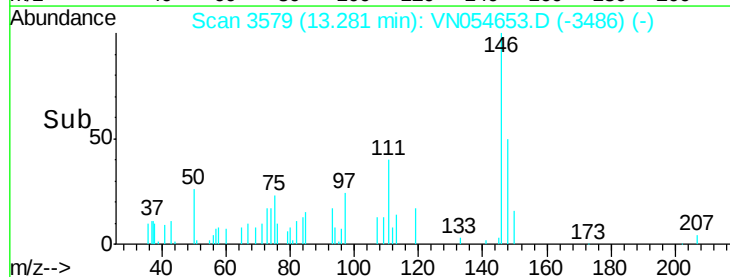
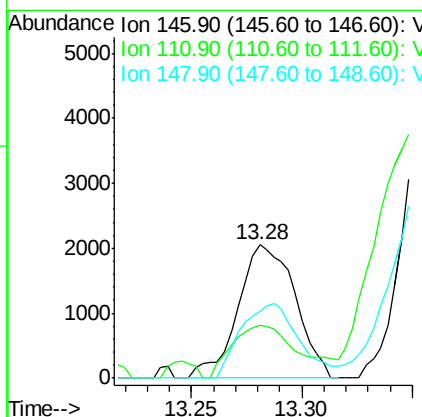
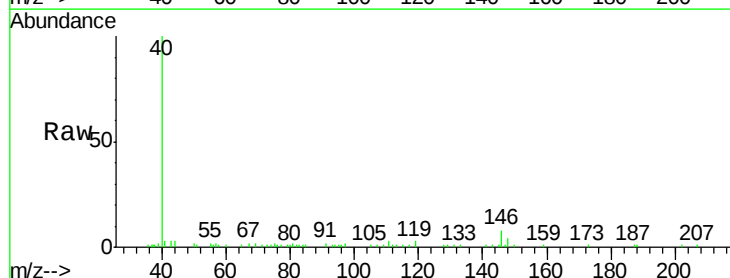
Instrument :
MSVOA_N
ClientSampled :

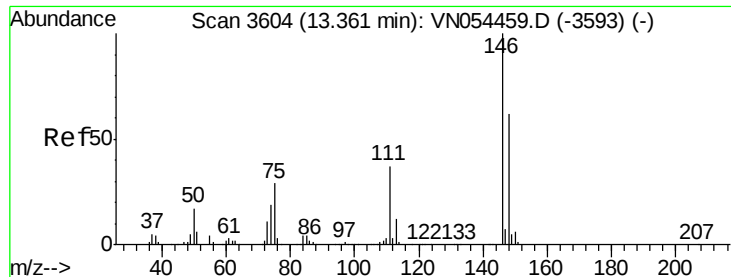
Tot Ion: 75 Resp: 177636
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.2#
89 0.0 39.2 58.8#



#87
1,3-Dichlorobenzene
Concen: 0.348 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054653.D
Acq: 24 Mar 2019 17:26

Tgt Ion: 146 Resp: 3707
Ion Ratio Lower Upper
146 100
111 45.8 18.8 56.3
148 56.9 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.357 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN054653.D

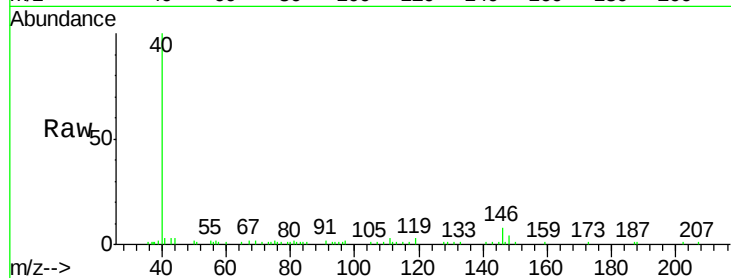
Acq: 24 Mar 2019 17:26

Instrument :

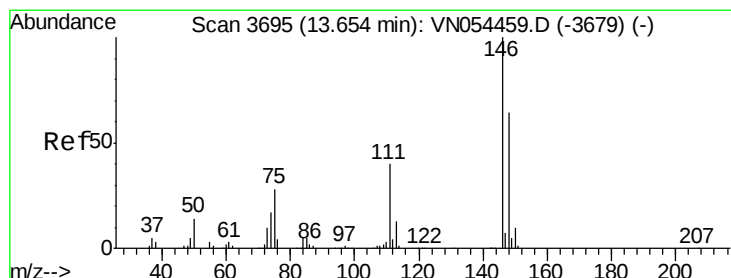
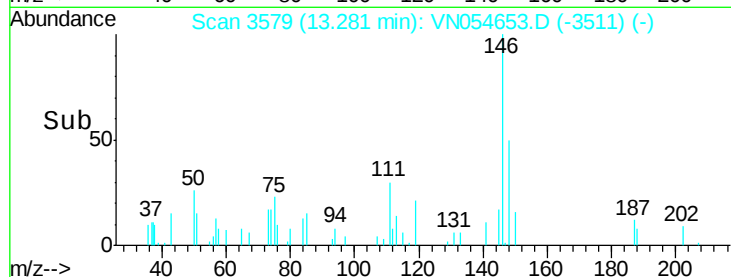
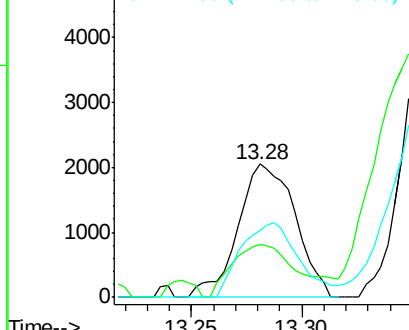
MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	3707
Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.1	54.1
148	56.9	32.0	96.0



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



#91

1,2-Dichlorobenzene

Concen: 6.006 ug/l

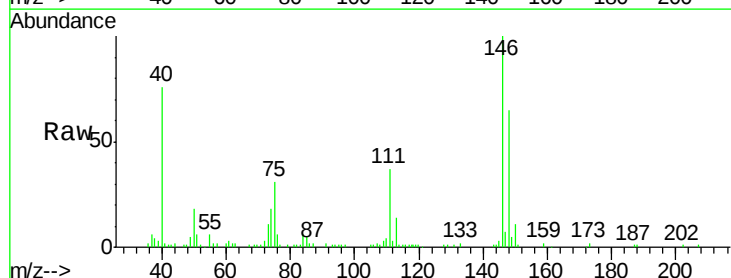
RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054653.D

Acq: 24 Mar 2019 17:26

Tgt Ion:	146	Resp:	62043
Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.3
148	62.1	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

