

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056253.D
 Acq On : 12 Jun 2019 17:01
 Operator : JC/SP
 Sample : K3315-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20190610

Quant Time: Jun 13 04:33:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	313045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145929	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	158940	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	7.59	113	149409	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.09	98	581282	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	183064	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

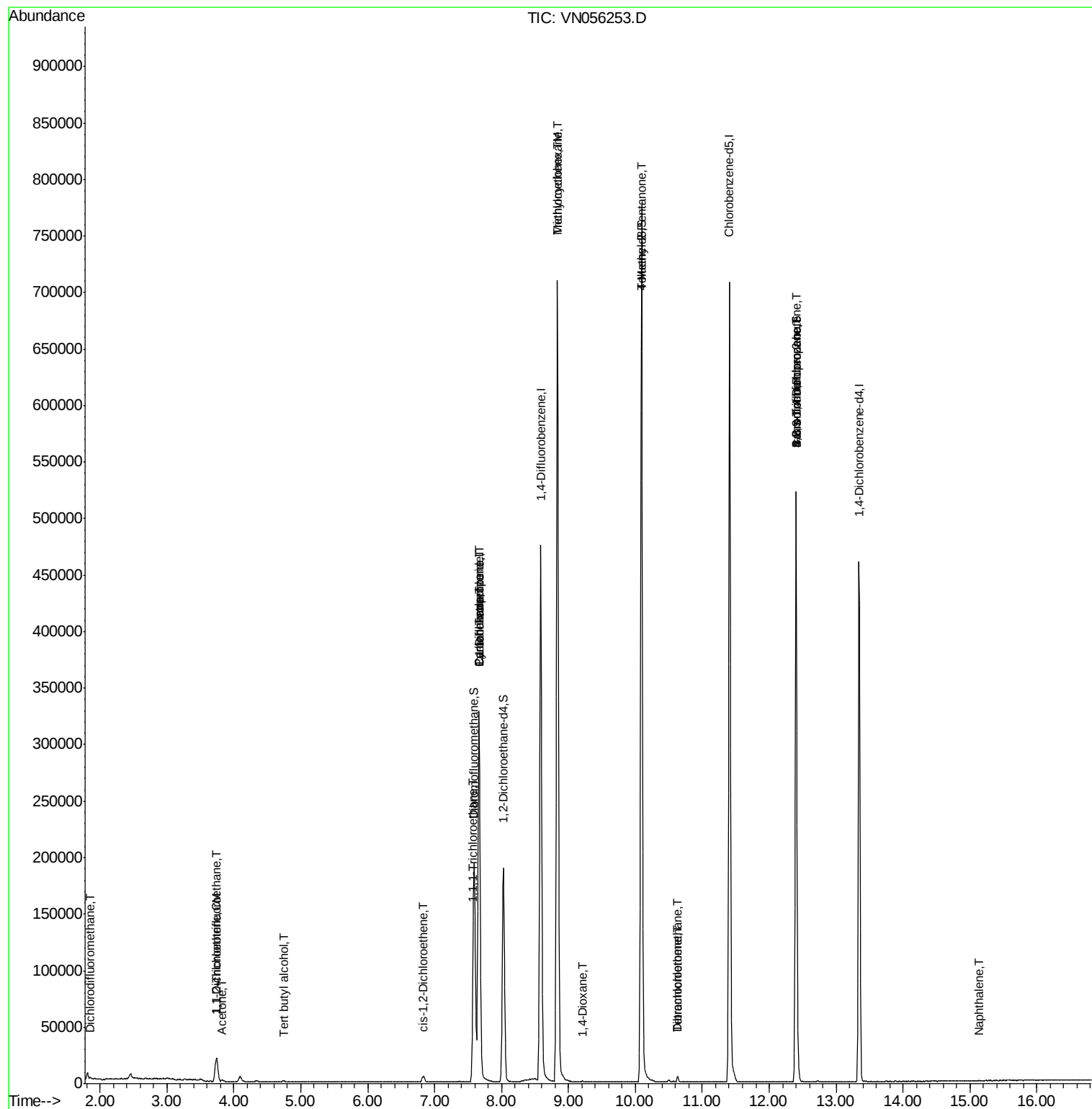
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	1066	0.662	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	12881	4.880	ug/l	97
11) Tert butyl alcohol	4.75	59	518	0.958	ug/l #	74
12) 1,1-Dichloroethene	3.73	96	1949	0.742	ug/l	84
16) Acetone	3.83	43	2985	2.008	ug/l #	88
18) Methyl Acetate	4.33	43	833	Below Cal	#	51
27) cis-1,2-Dichloroethene	6.82	96	3744	1.131	ug/l	91
31) Cyclohexane	7.66	56	4081	0.827	ug/l #	1
32) 1,1,1-Trichloroethane	7.56	97	1504	0.362	ug/l #	45
36) 1,1-Dichloropropene	7.66	75	17604	4.317	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25065	6.667	ug/l #	15
39) Methylcyclohexane	8.83	83	3145	0.619	ug/l #	1
44) Trichloroethene	8.83	130	297573	83.611	ug/l	96
49) 1,4-Dioxane	9.21	88	609	9.807	ug/l #	69
51) 4-Methyl-2-Pentanone	10.09	43	2123	0.577	ug/l #	1
60) Dibromochloromethane	10.63	129	1123	2.769	ug/l #	11
64) Tetrachloroethene	10.63	164	1386	0.343	ug/l #	90
71) Bromoform	12.40	173	1414	3.239	ug/l #	1
73) Isopropylbenzene	12.40	105	29	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	82649	30.780	ug/l #	100
79) 2-Chlorotoluene	12.40	91	397	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82649	102.503	ug/l #	15
95) Naphthalene	15.14	128	145	3.870	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061219\
Data File : VN056253.D
Acq On : 12 Jun 2019 17:01
Operator : JC/SP
Sample : K3315-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

Quant Time: Jun 13 04:33:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 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: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

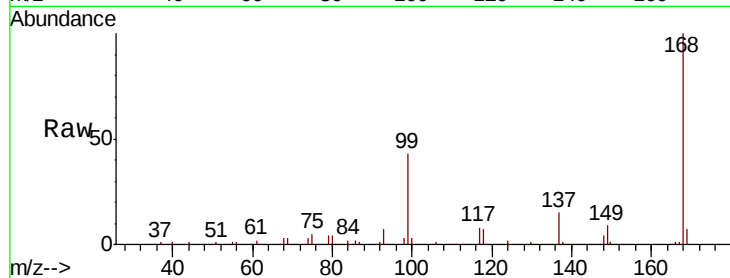
RE105D1-20190610

Tot Ion:168 Resp: 313045

Ion Ratio Lower Upper

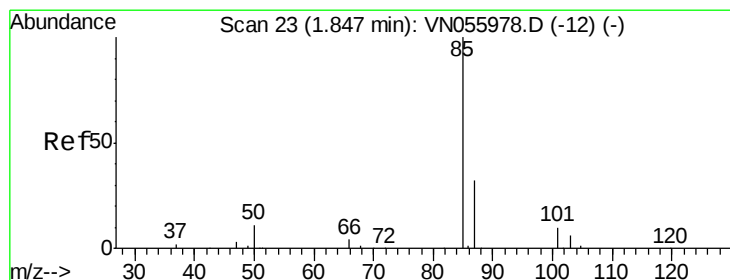
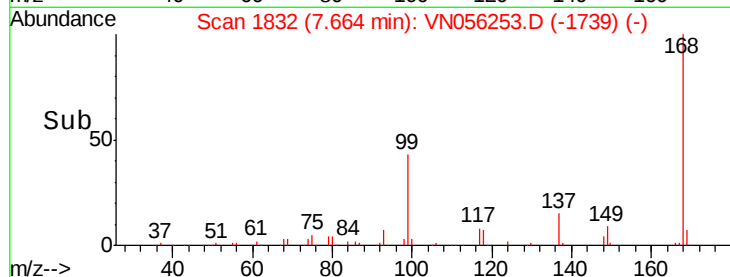
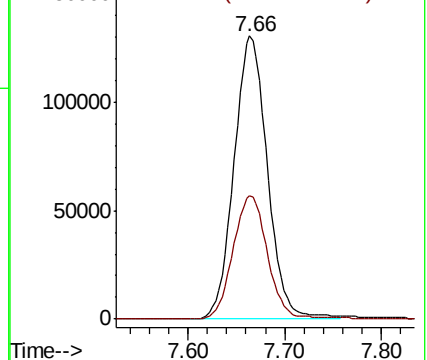
168 100

99 43.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.662 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056253.D

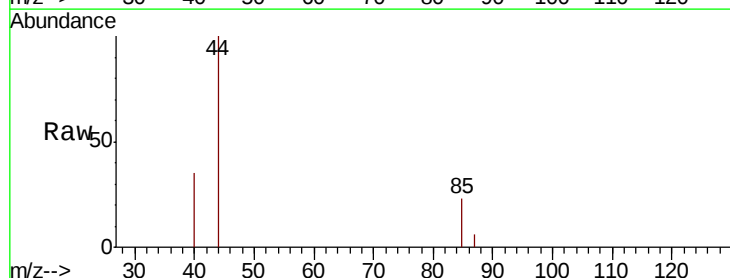
Acq: 12 Jun 2019 17:01

Tgt Ion: 85 Resp: 1066

Ion Ratio Lower Upper

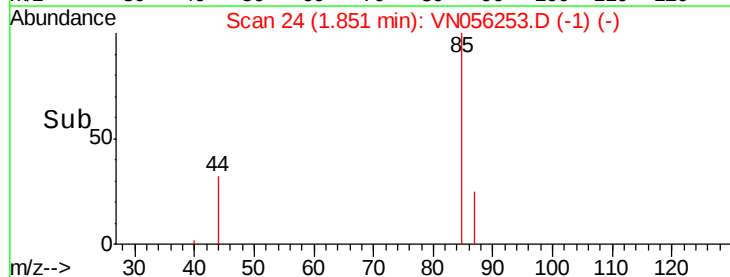
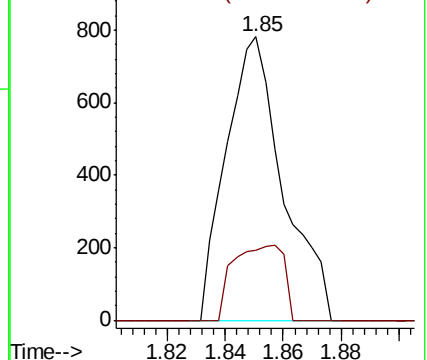
85 100

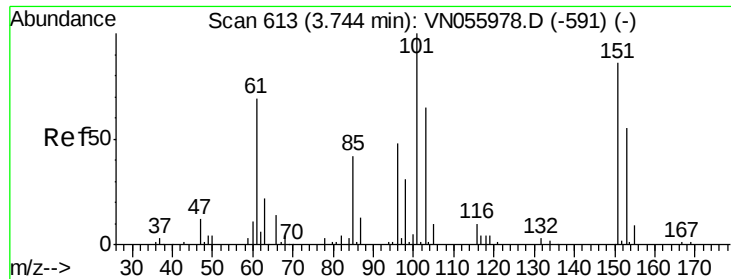
87 24.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.880 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20190610

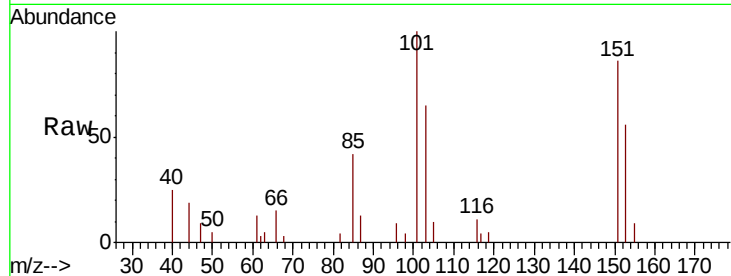
Tot Ion:101 Resp: 12881

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.2

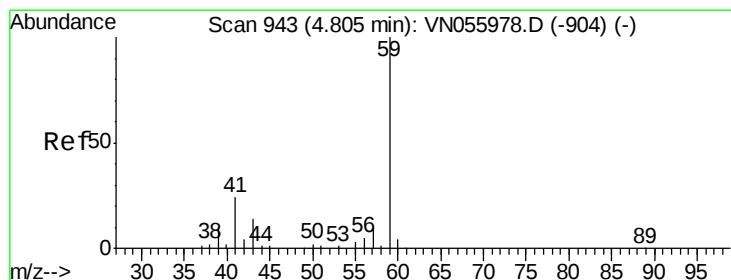
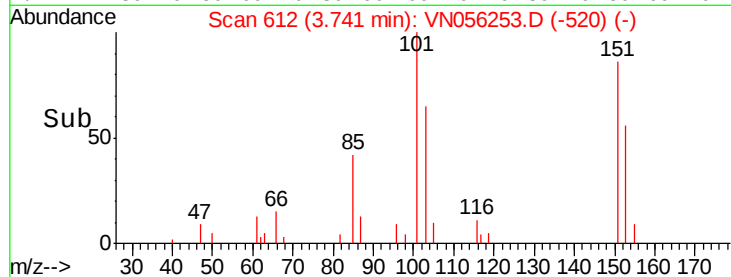
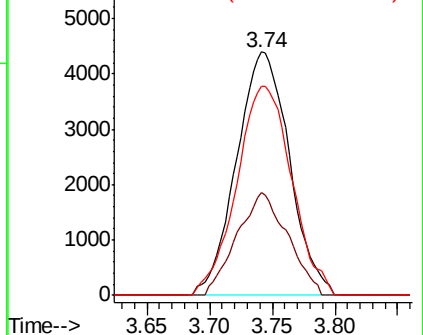
151 89.4 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.958 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056253.D

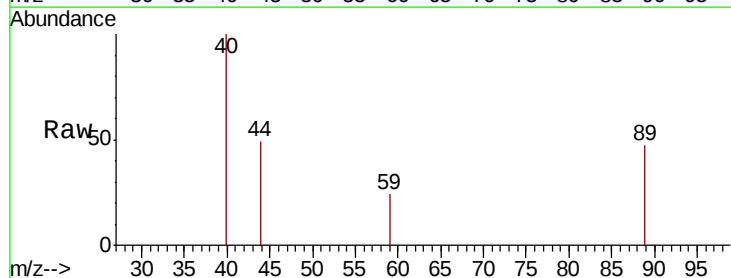
Acq: 12 Jun 2019 17:01

Tgt Ion: 59 Resp: 518

Ion Ratio Lower Upper

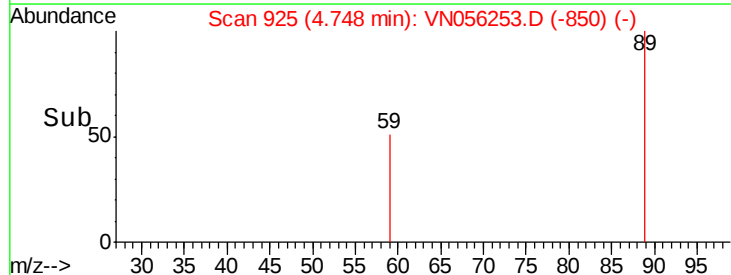
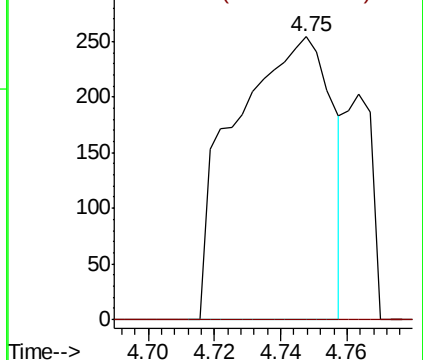
59 100

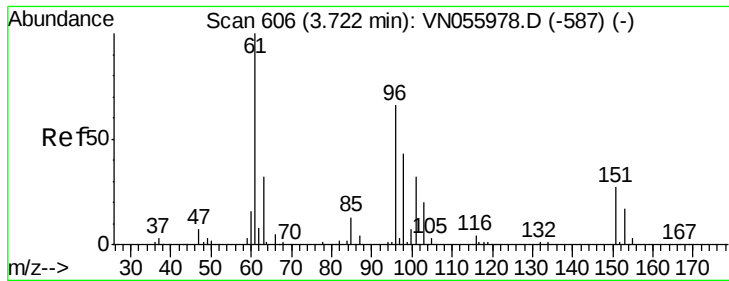
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

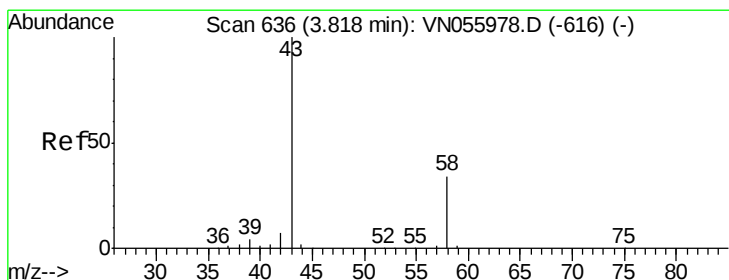
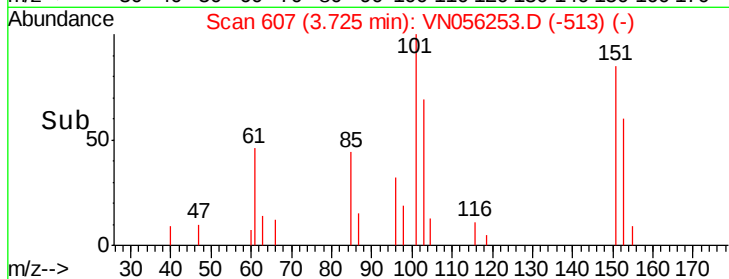
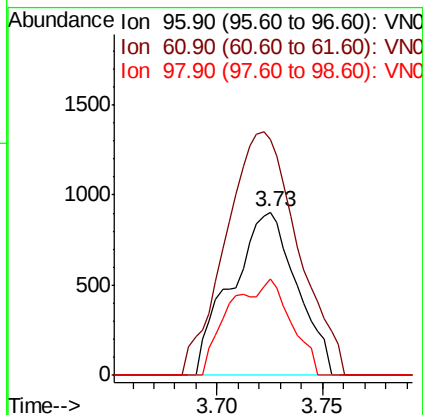
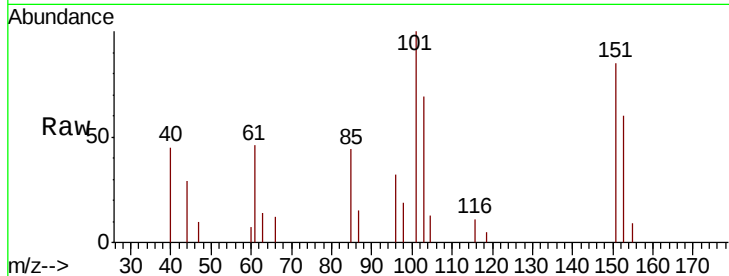




#12
 1,1-Dichloroethene
 Concen: 0.742 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

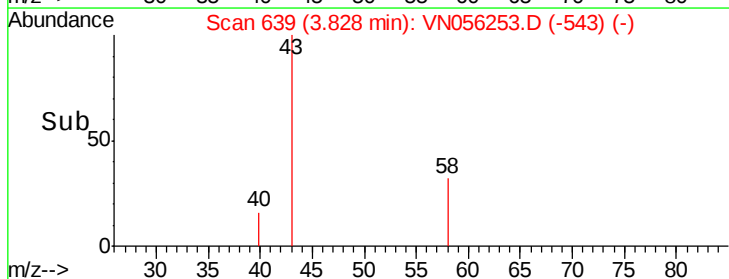
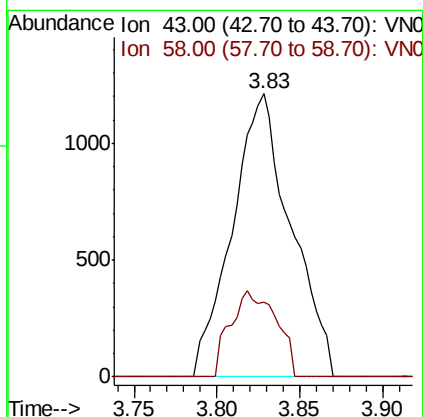
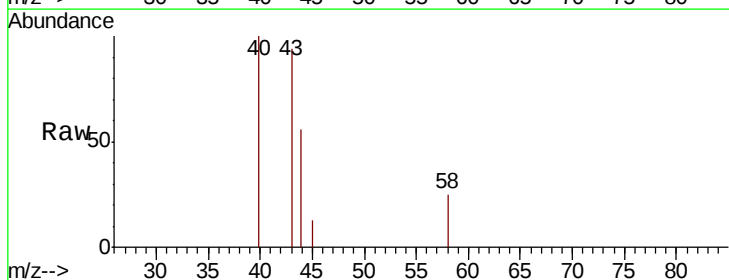
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20190610

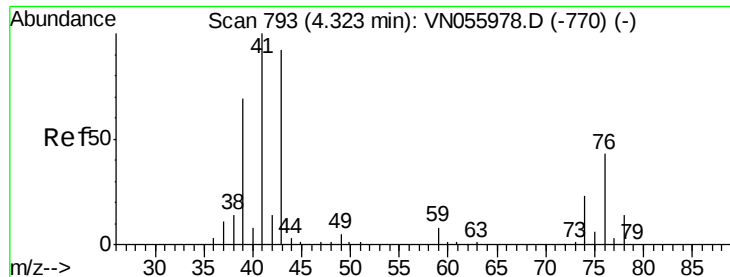
Tot Ion: 96 Resp: 1949
 Ion Ratio Lower Upper
 96 100
 61 127.2 123.2 184.8
 98 58.9 50.4 75.6



#16
 Acetone
 Concen: 2.008 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

Tgt Ion: 43 Resp: 2985
 Ion Ratio Lower Upper
 43 100
 58 26.5 26.6 39.8#

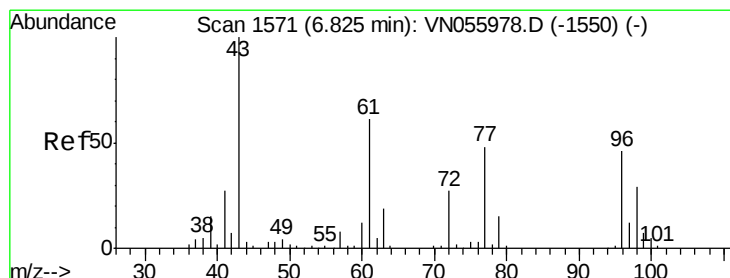
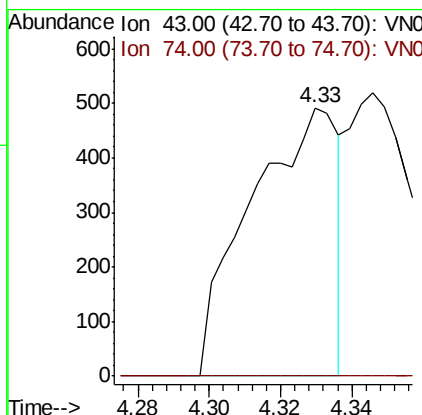
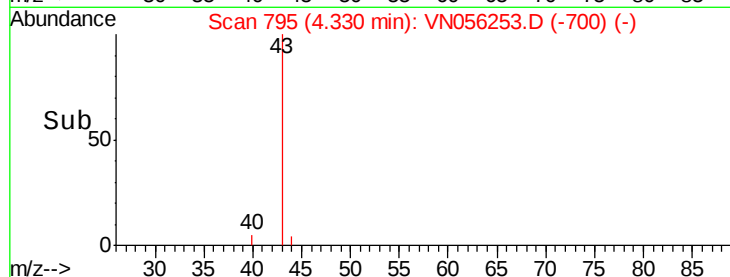
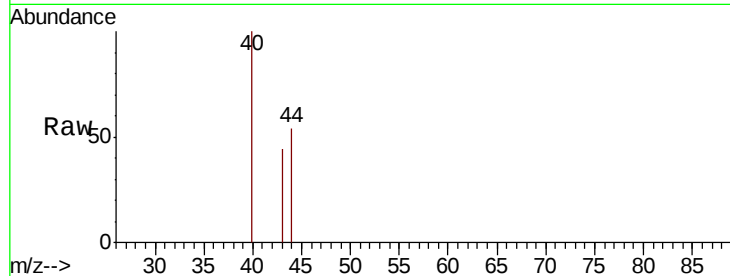




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

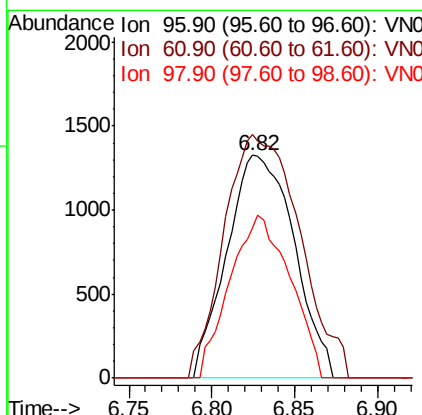
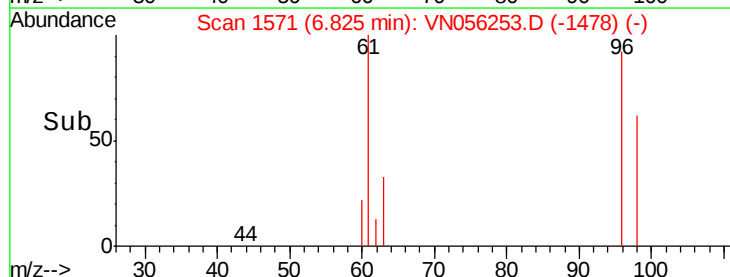
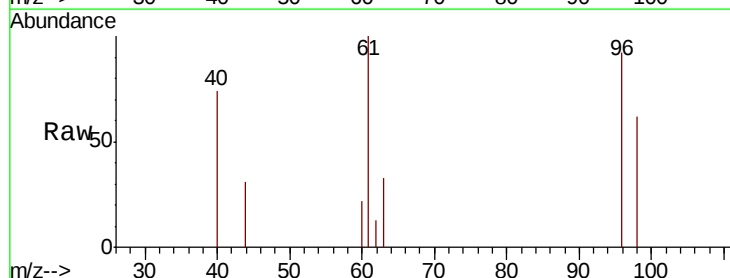
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

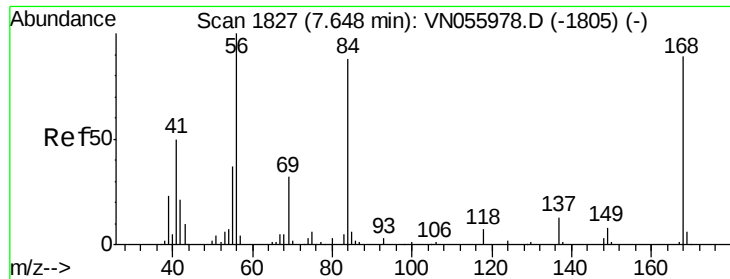
Tot Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#27
cis-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Tgt Ion: 96 Resp: 3744
Ion Ratio Lower Upper
96 100
61 122.6 0.0 275.8
98 65.4 0.0 128.4

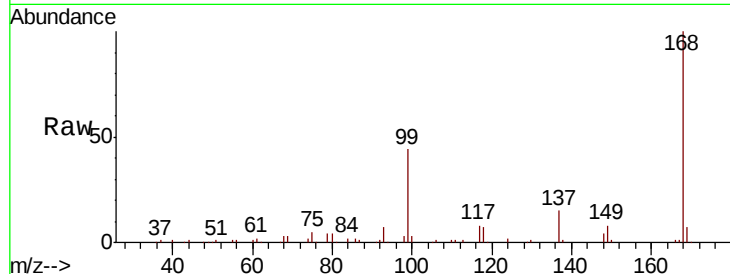




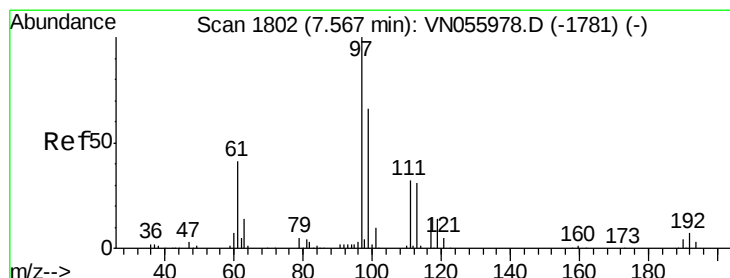
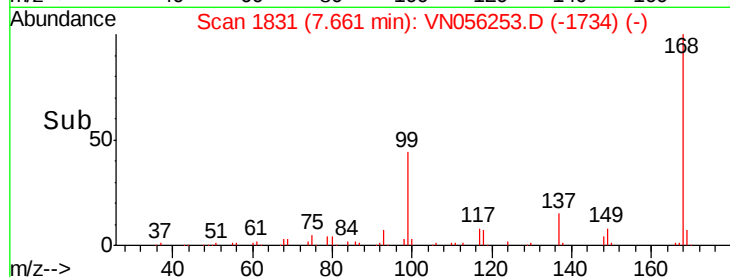
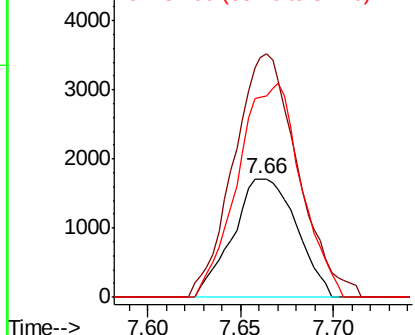
#31
Cyclohexane
Concen: 0.827 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

Tot Ion: 56 Resp: 4081
Ion Ratio Lower Upper
56 100
69 203.3 25.6 38.4#
84 169.7 67.4 101.0#

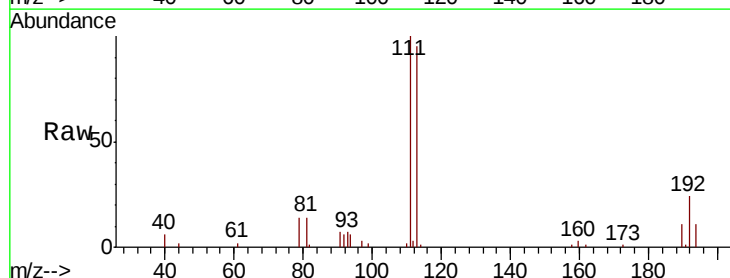


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

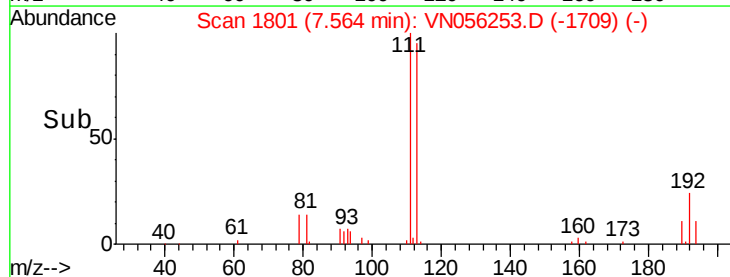
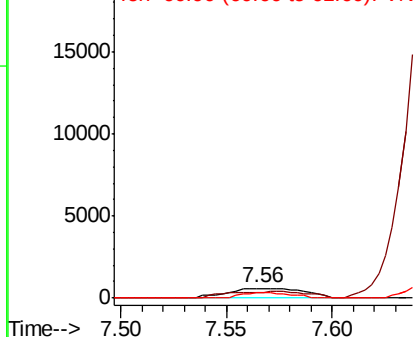


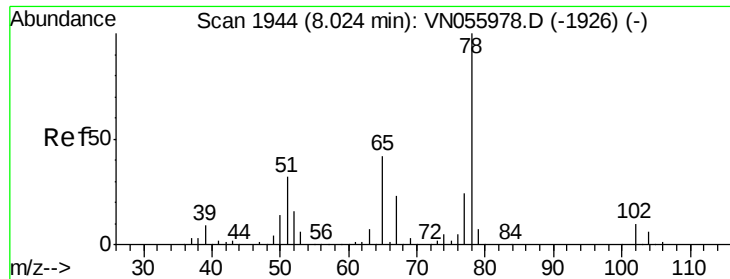
#32
1,1,1-Trichloroethane
Concen: 0.362 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Tgt Ion: 97 Resp: 1504
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 34.0 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

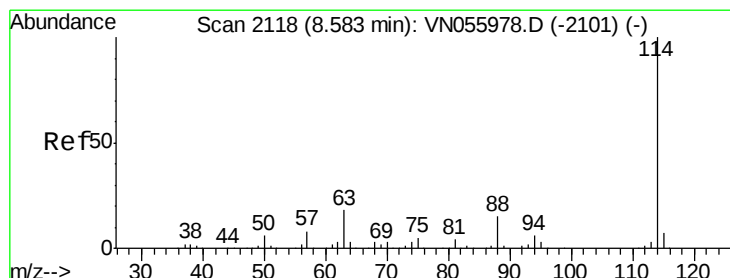
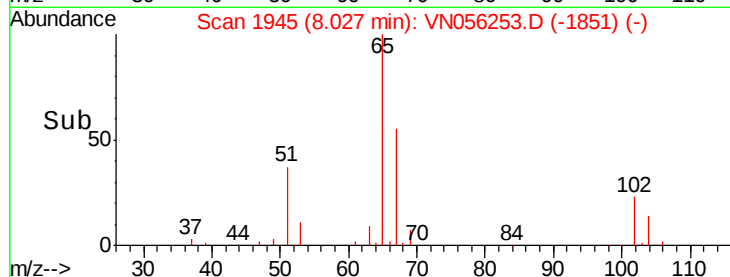
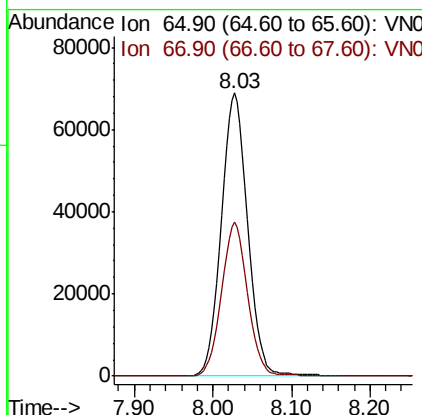
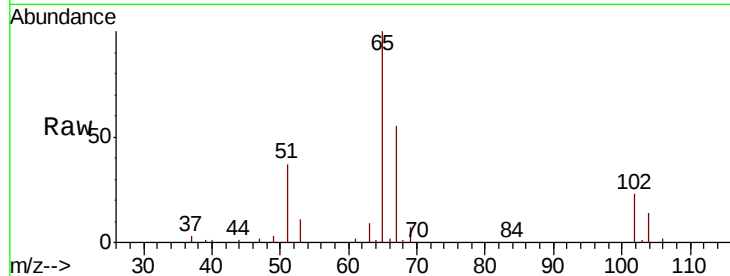




#33
 1,2-Dichloroethane-d4
 Concen: 51.135 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

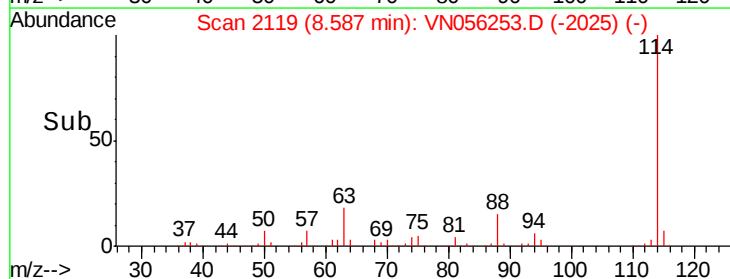
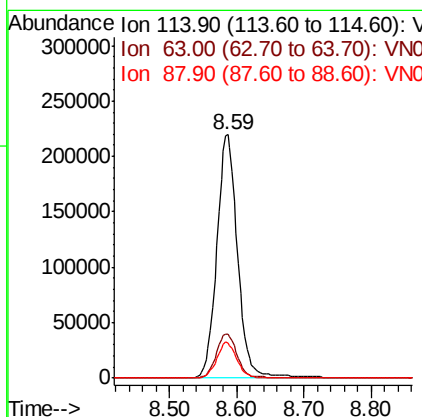
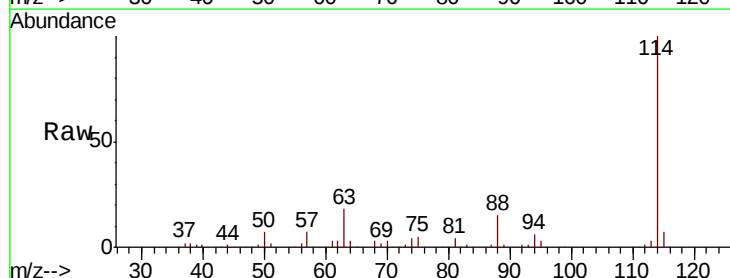
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20190610

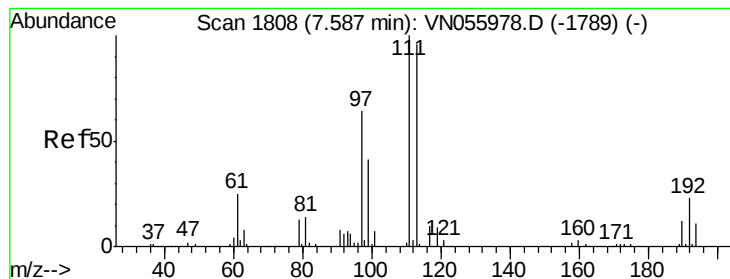
Tot Ion: 65 Resp: 158940
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

Tgt Ion: 114 Resp: 474263
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.2
 88 14.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.348 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20190610

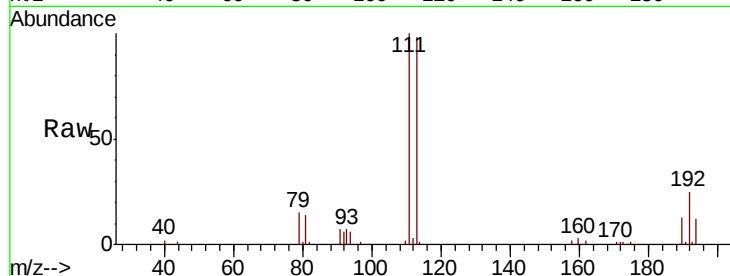
Tot Ion:113 Resp: 149409

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

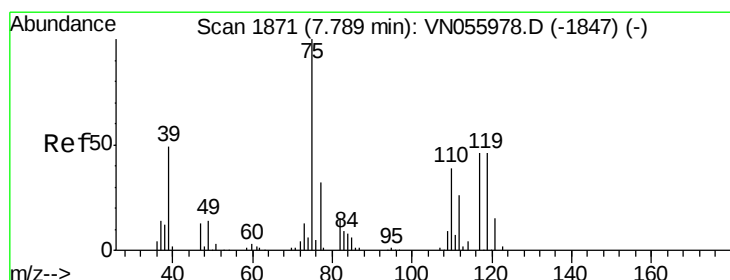
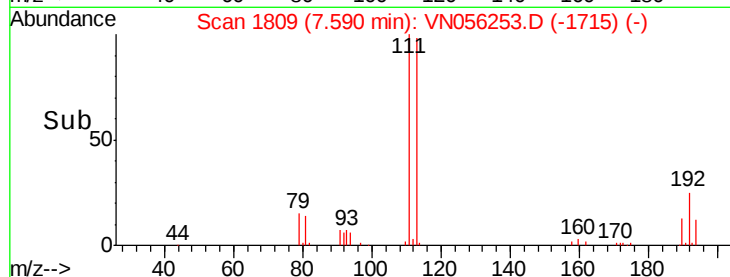
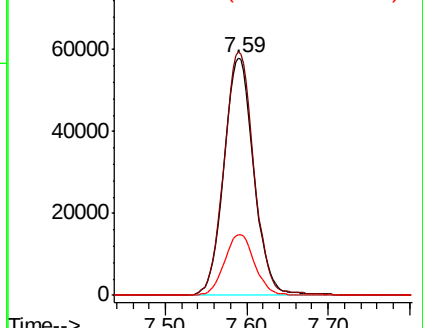
192 25.7 19.5 29.3



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: 4.317 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

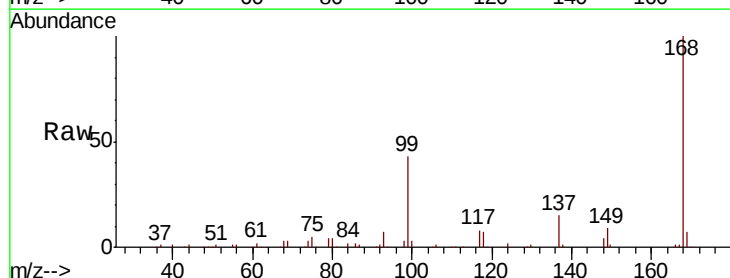
Tgt Ion: 75 Resp: 17604

Ion Ratio Lower Upper

75 100

110 9.3 19.0 57.0#

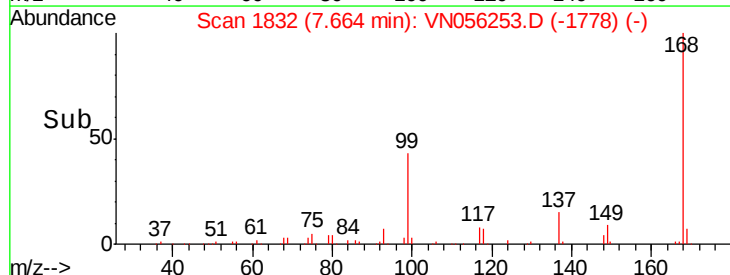
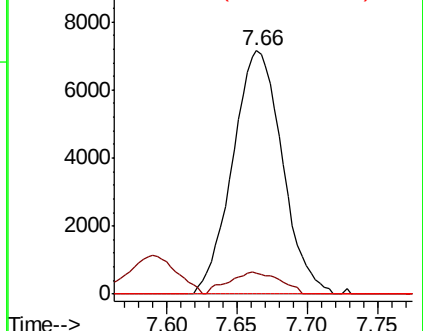
77 0.0 25.1 37.7#

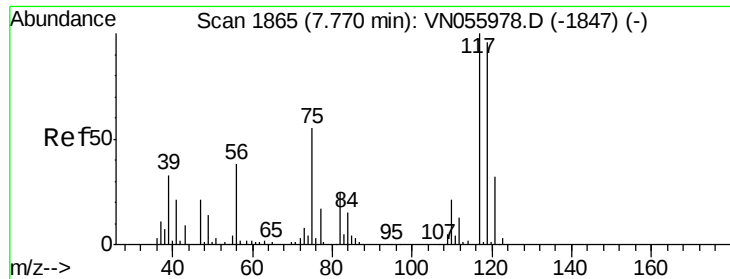


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

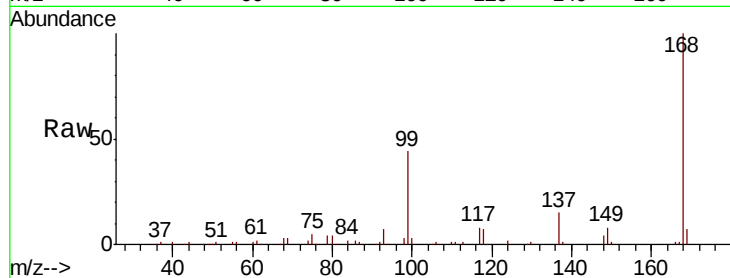




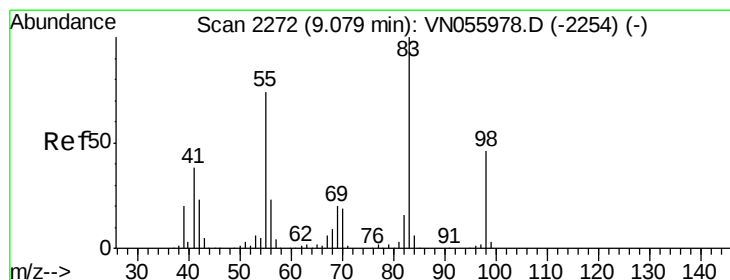
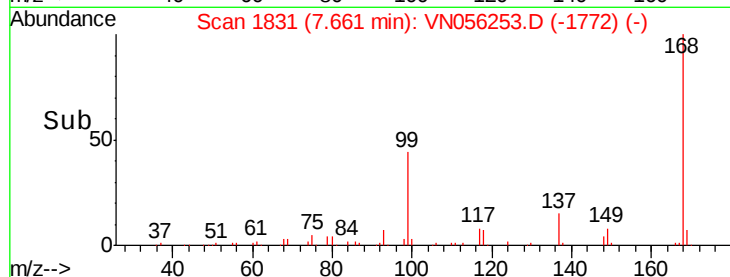
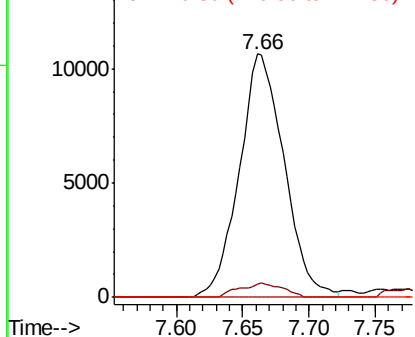
#38
Carbon Tetrachloride
Concen: 6.667 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

Tot Ion:117 Resp: 25065
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 24.7 37.1#

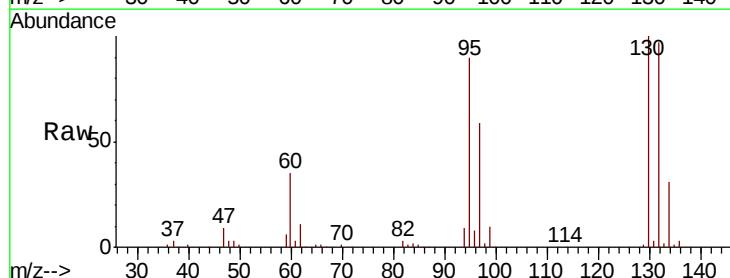


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

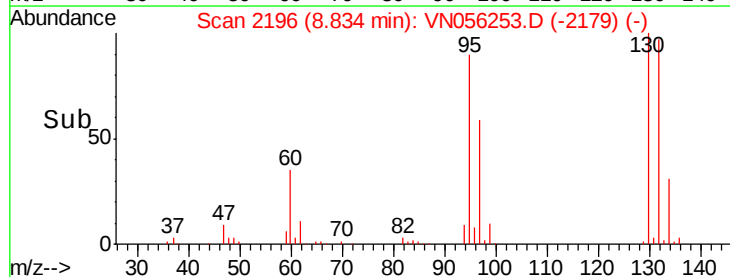
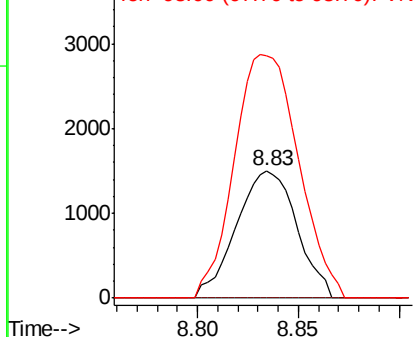


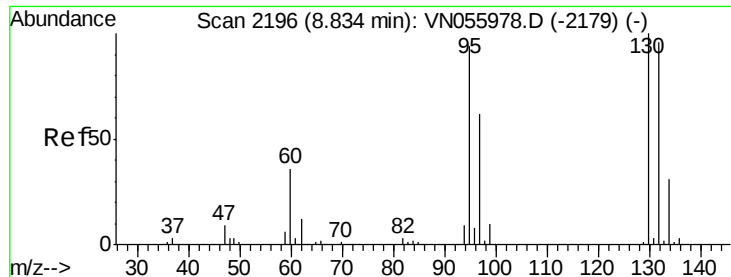
#39
Methylcyclohexane
Concen: 0.619 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Tgt Ion: 83 Resp: 3145
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 189.8 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V

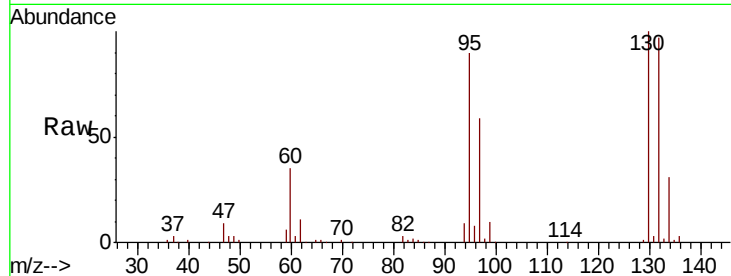




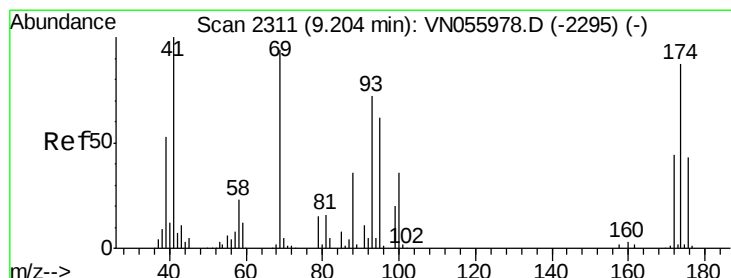
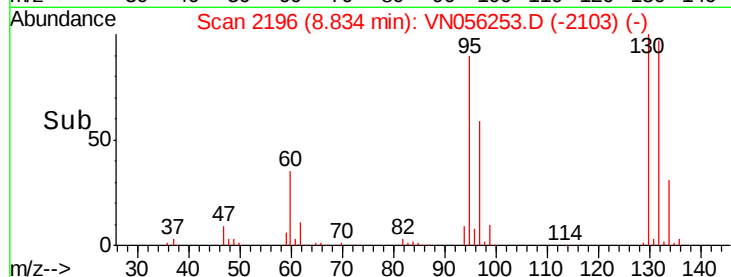
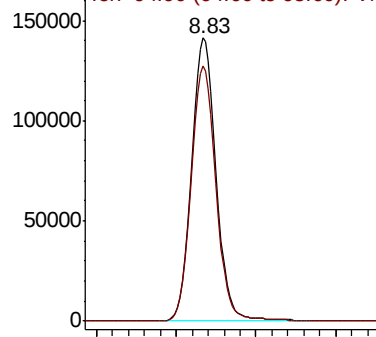
#44
 Trichloroethene
 Concen: 83.611 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20190610

Tot Ion:130 Resp: 297573
 Ion Ratio Lower Upper
 130 100
 95 90.0 0.0 188.0

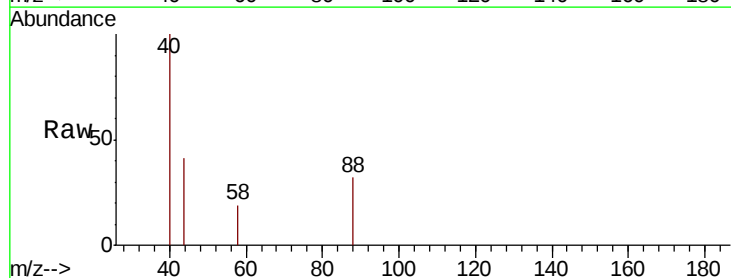


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

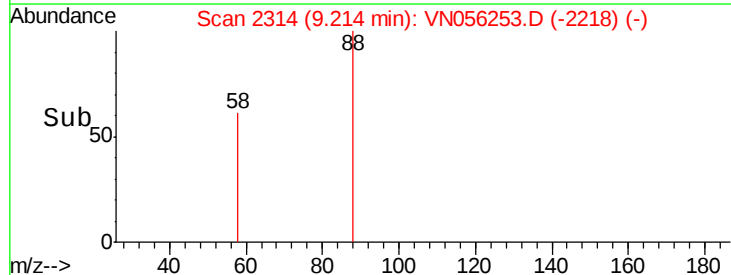
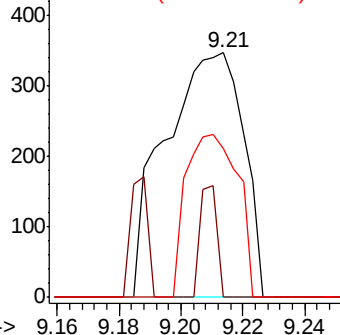


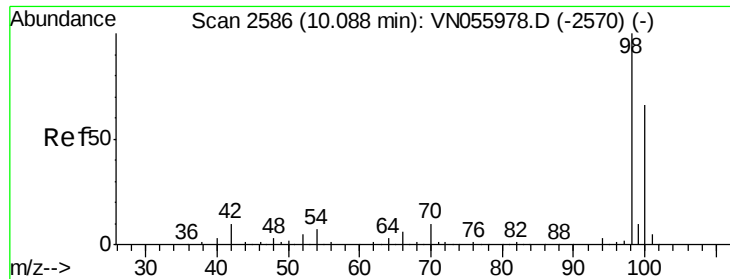
#49
 1,4-Dioxane
 Concen: 9.807 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN056253.D
 Acq: 12 Jun 2019 17:01

Tgt Ion: 88 Resp: 609
 Ion Ratio Lower Upper
 88 100
 43 9.9 20.5 30.7#
 58 43.8 55.8 83.6#



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





#50

Toluene-d8

Concen: 51.915 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

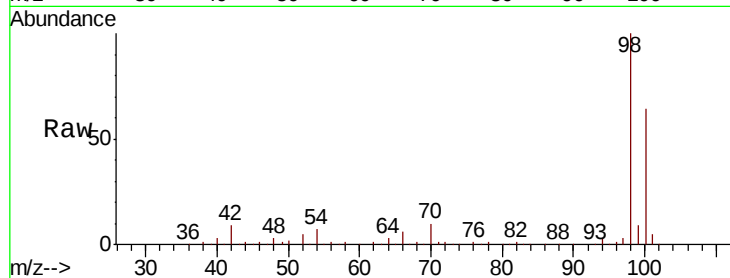
RE105D1-20190610

Tot Ion: 98 Resp: 581282

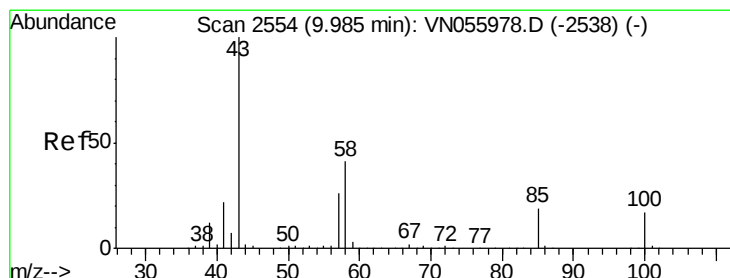
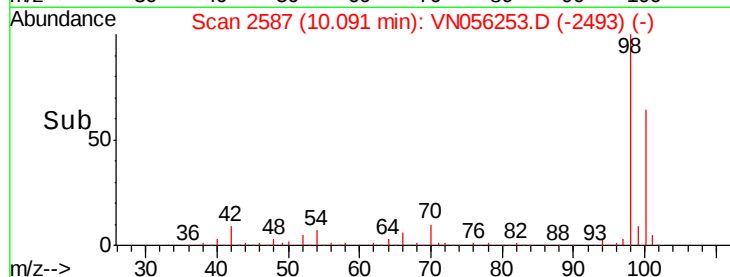
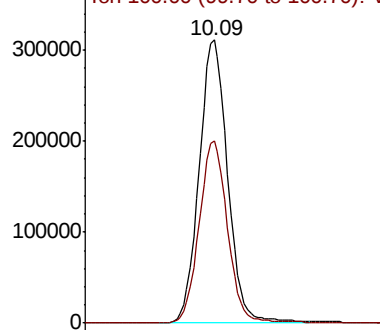
Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056253.D

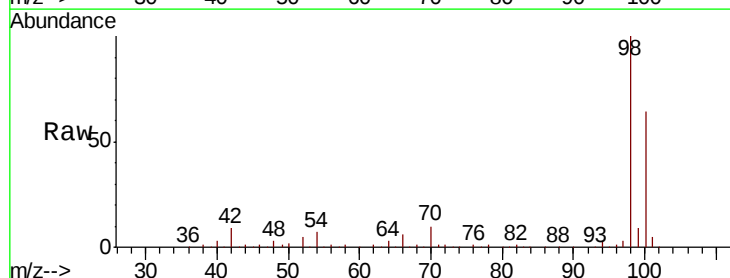
Acq: 12 Jun 2019 17:01

Tgt Ion: 43 Resp: 2123

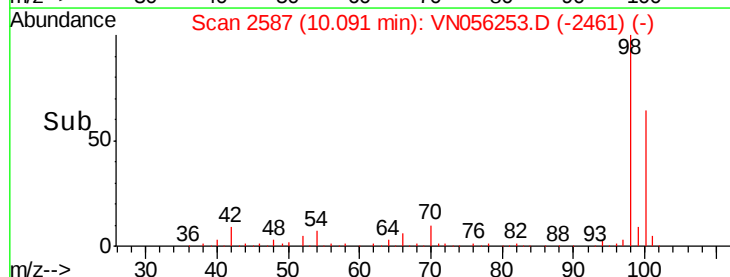
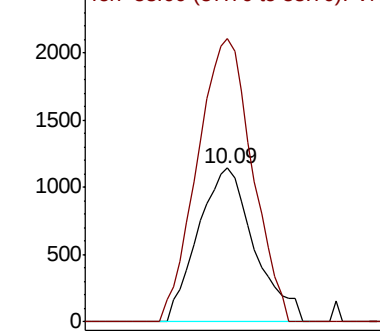
Ion Ratio Lower Upper

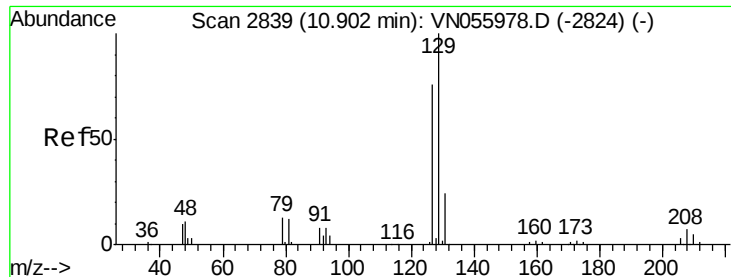
43 100

58 179.1 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)





#60

Dibromochloromethane

Concen: 2.769 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

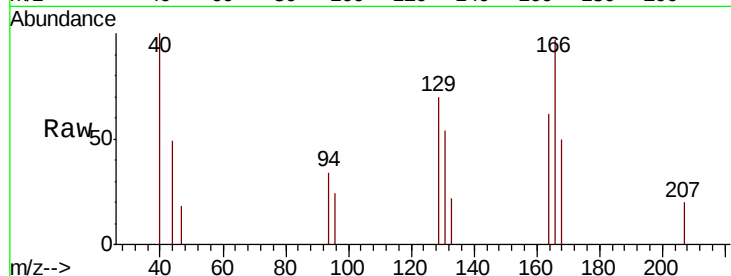
RE105D1-20190610

Tot Ion:129 Resp: 1123

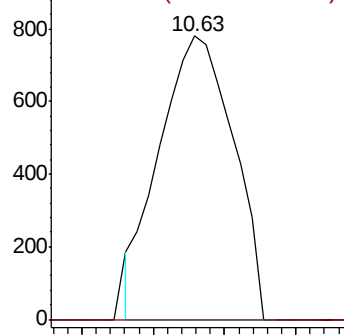
Ion Ratio Lower Upper

129 100

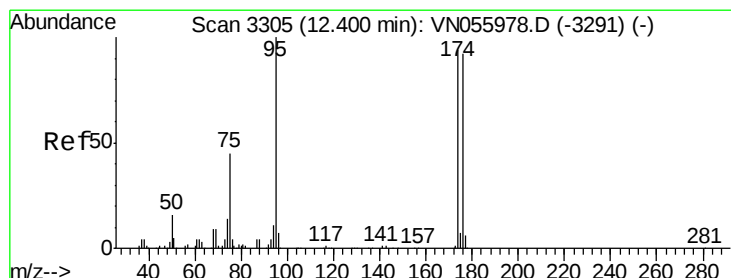
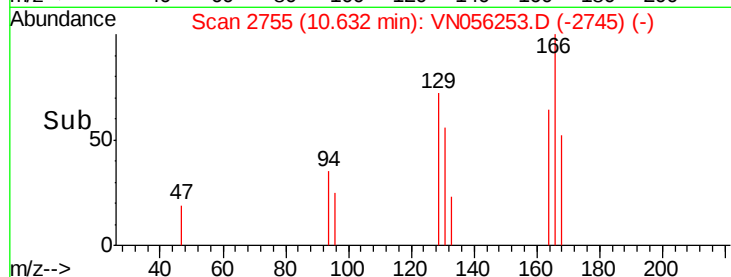
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.077 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

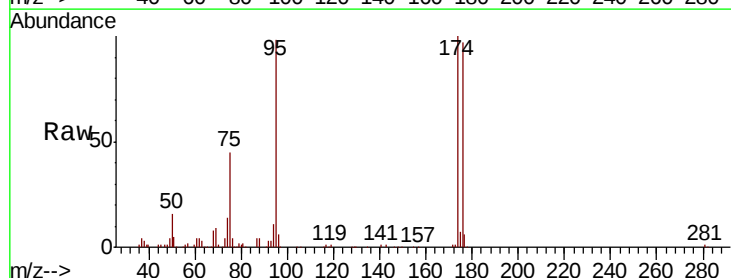
Tgt Ion: 95 Resp: 183064

Ion Ratio Lower Upper

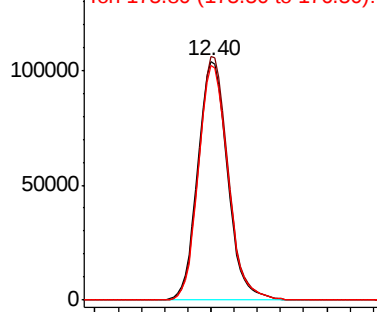
95 100

174 101.6 0.0 191.0

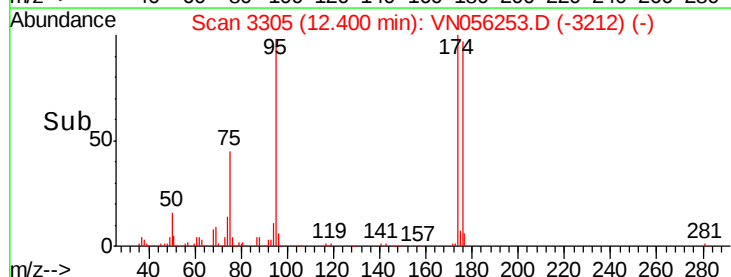
176 97.9 0.0 185.2

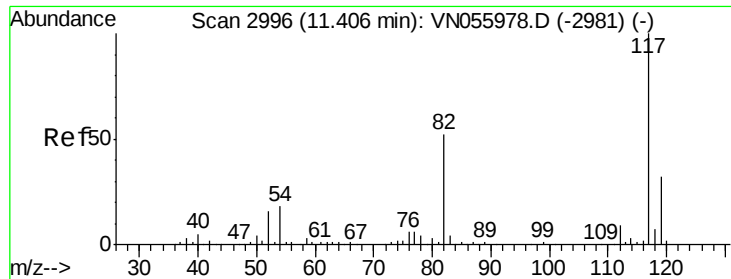


Abundance Ion 94.90 (94.60 to 95.60): V



Time-->

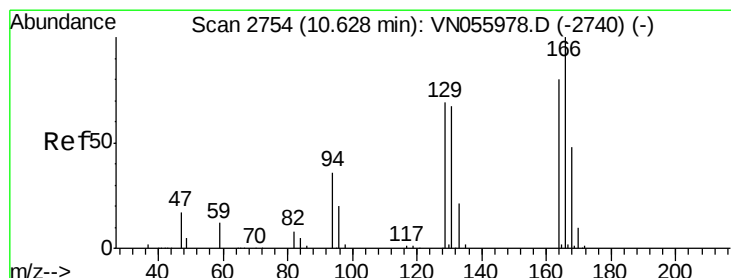
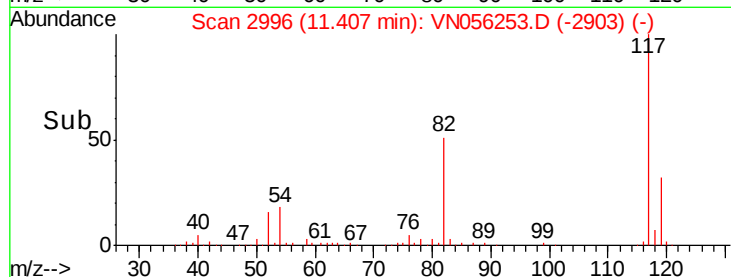
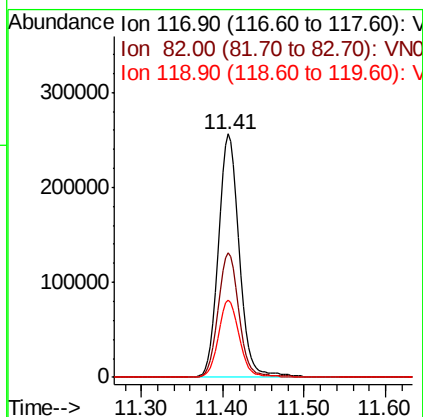
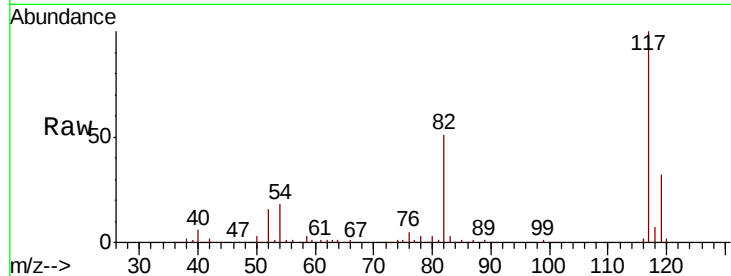




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

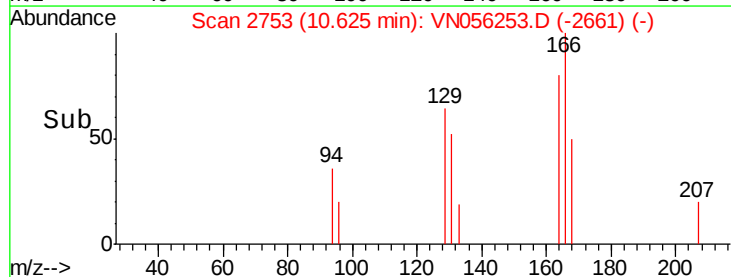
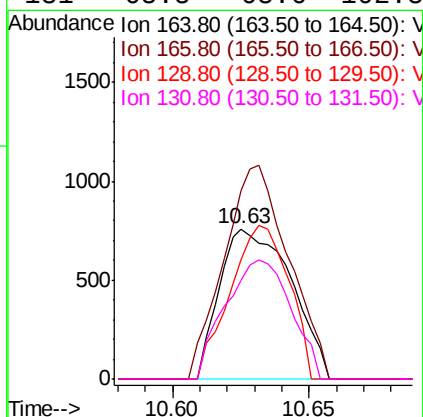
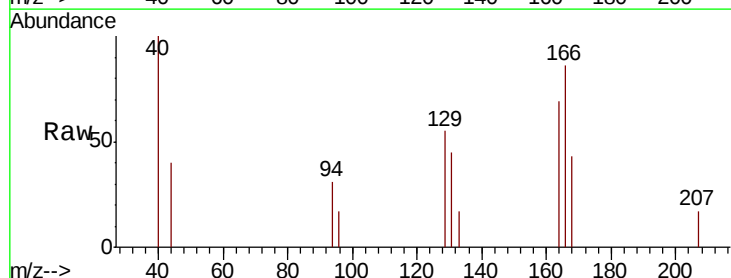
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

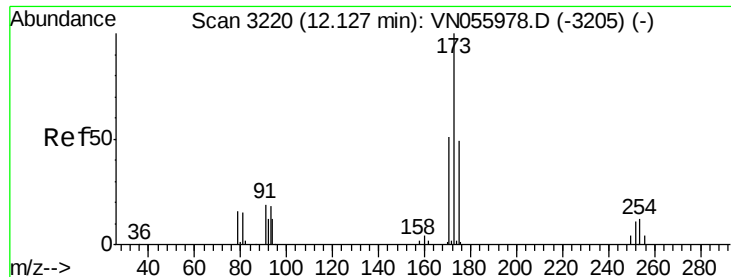
Tot Ion:117 Resp: 466161
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 0.343 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Tgt Ion:164 Resp: 1386
Ion Ratio Lower Upper
164 100
166 125.0 103.0 154.6
129 79.7 70.6 105.8
131 65.5 68.6 102.8#

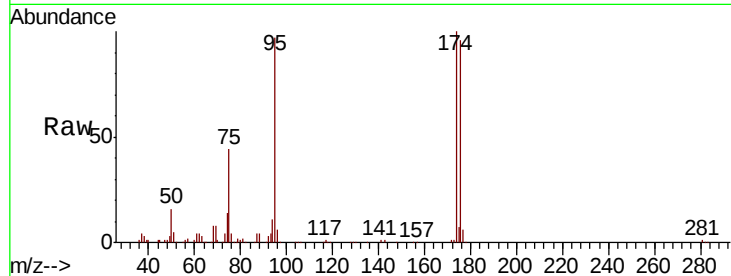




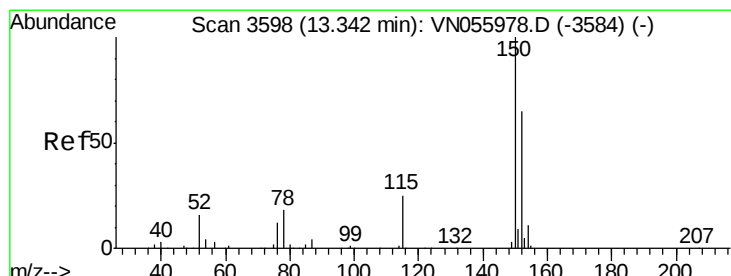
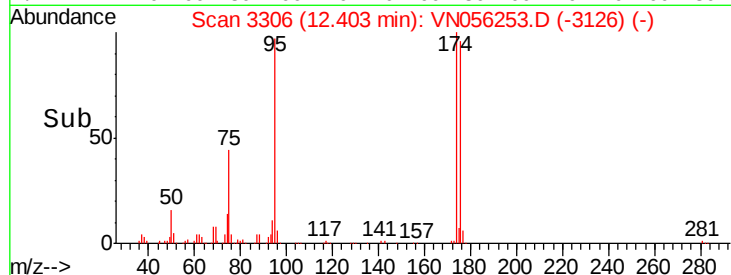
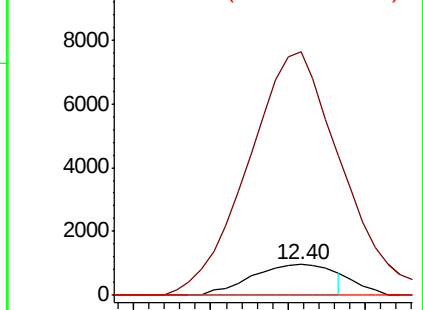
#71
Bromoform
Concen: 3.239 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20190610

Tot Ion:173 Resp: 1414
Ion Ratio Lower Upper
173 100
175 774.6 24.3 72.8#
254 0.0 0.0 0.0

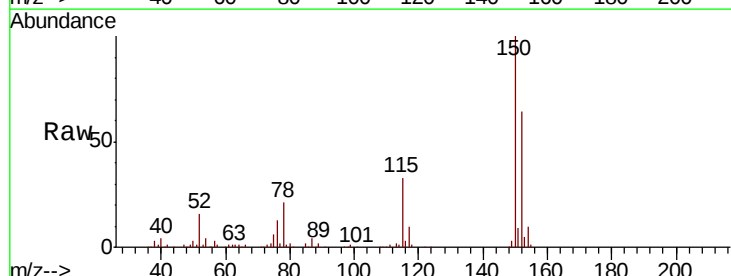


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

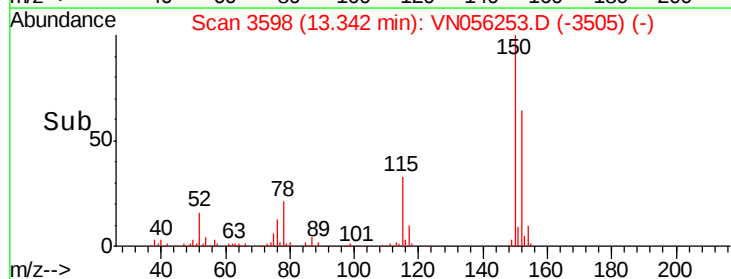
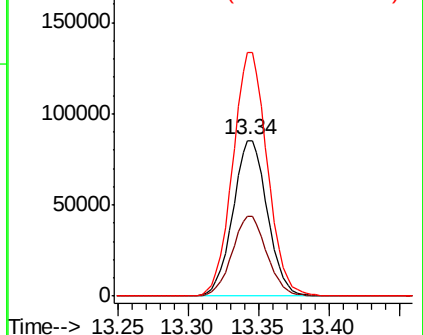


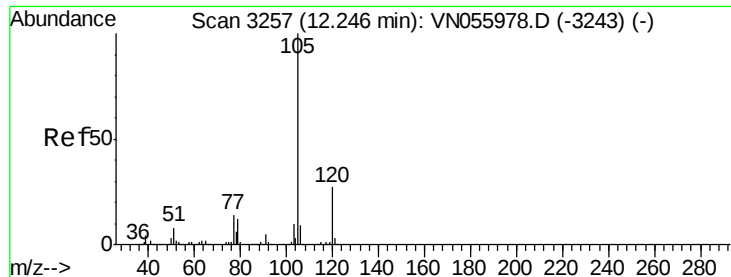
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056253.D
Acq: 12 Jun 2019 17:01

Tgt Ion:152 Resp: 145929
Ion Ratio Lower Upper
152 100
115 51.6 27.0 81.0
150 157.1 0.0 343.2



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

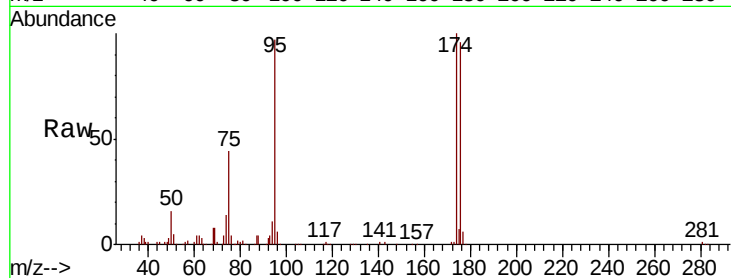
RE105D1-20190610

Tot Ion: 105 Resp: 29

Ion Ratio Lower Upper

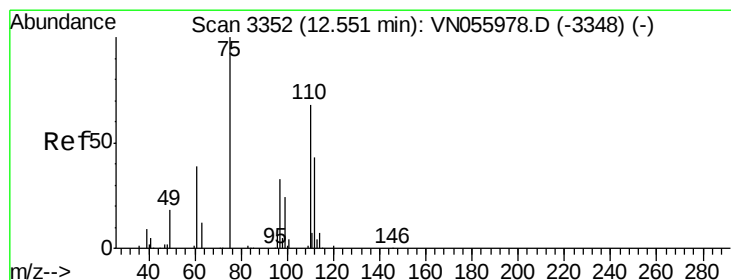
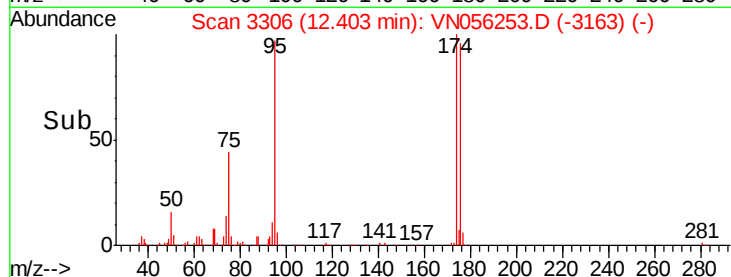
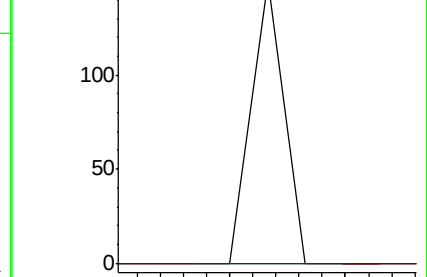
105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 30.780 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056253.D

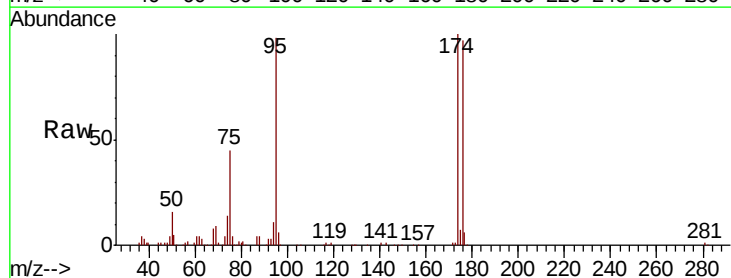
Acq: 12 Jun 2019 17:01

Tgt Ion: 75 Resp: 82649

Ion Ratio Lower Upper

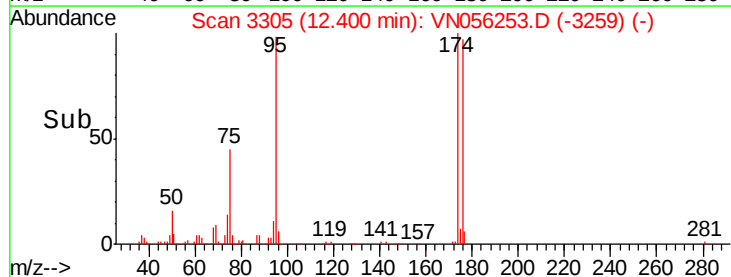
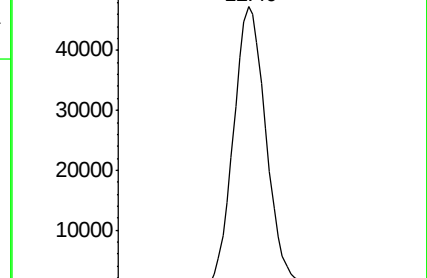
75 100

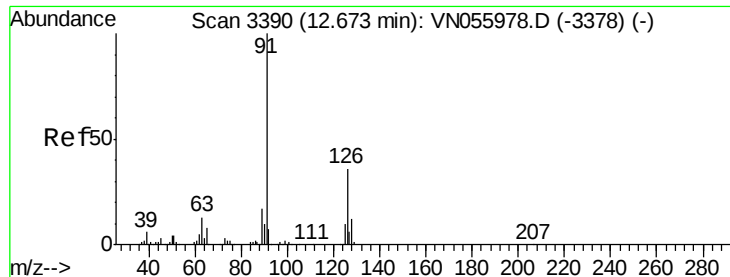
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

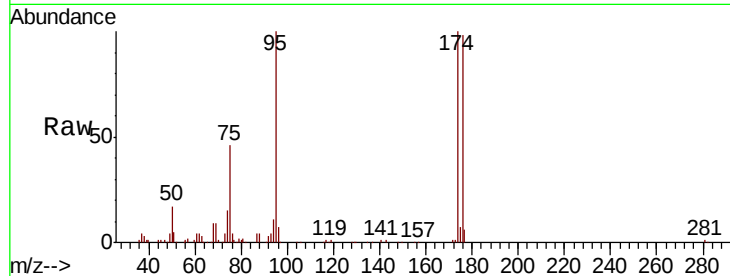
RE105D1-20190610

Tot Ion: 91 Resp: 397

Ion Ratio Lower Upper

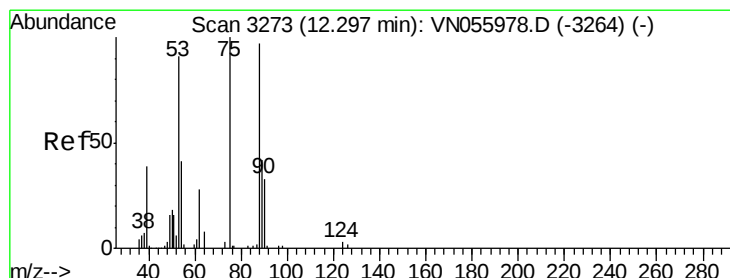
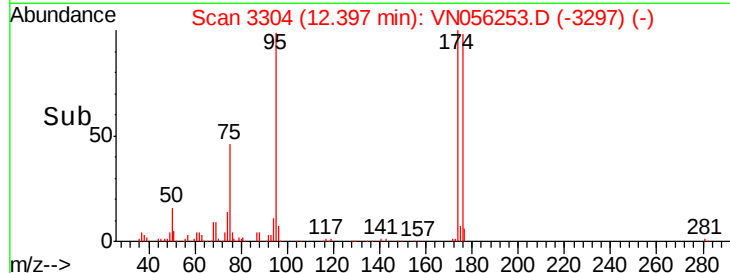
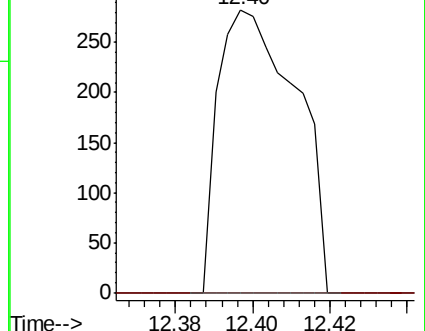
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 102.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056253.D

Acq: 12 Jun 2019 17:01

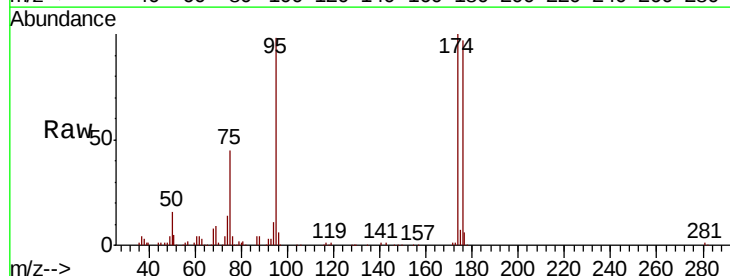
Tgt Ion: 75 Resp: 82649

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

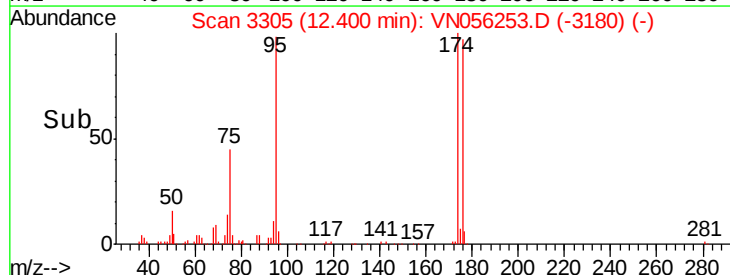
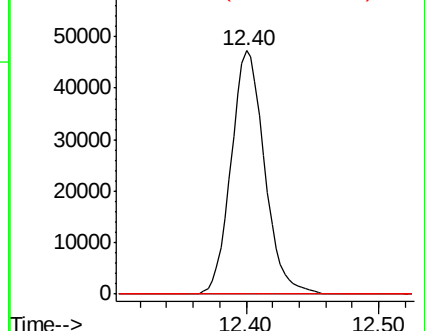
89 0.0 36.9 55.3#

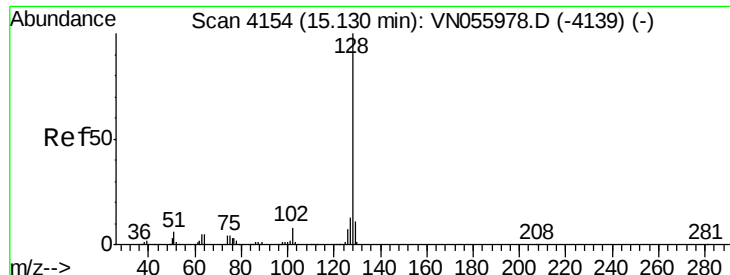


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.870 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056253.D

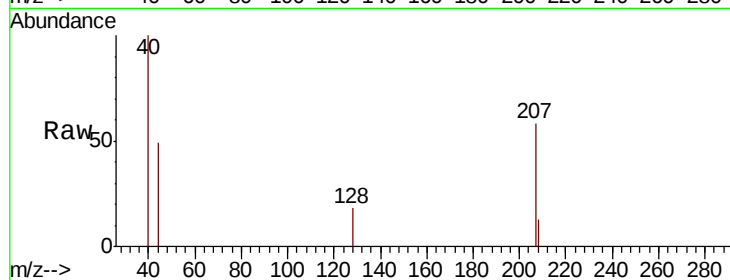
Acq: 12 Jun 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20190610



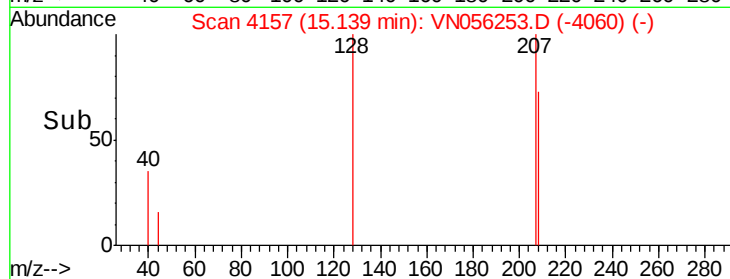
Tot Ion:128 Resp: 145

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

