

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059268.D
 Acq On : 15 Nov 2019 16:04
 Operator : JC/SP
 Sample : K5863-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 00:32:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	606554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	270773	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	7.57	113	217005	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	10.08	98	843378	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	269892	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

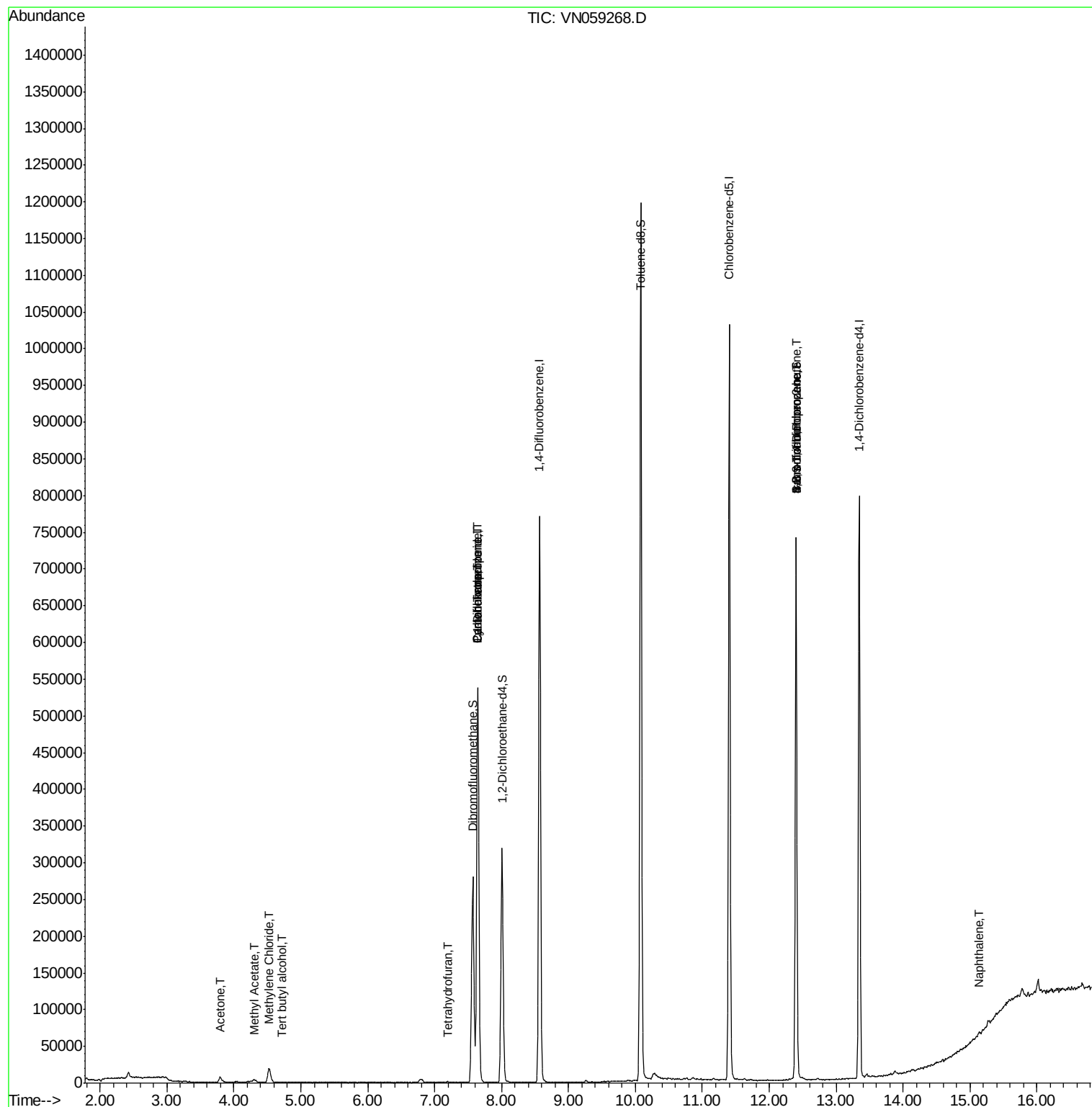
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	296	0.282	ug/l #	72
16) Acetone	3.79	43	12268	4.287	ug/l	98
18) Methyl Acetate	4.31	43	4409	0.649	ug/l #	70
20) Methylene Chloride	4.52	84	15007	3.010	ug/l	97
29) Tetrahydrofuran	7.19	42	781	0.326	ug/l #	49
31) Cyclohexane	7.64	56	8523	0.995	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33236	5.149	ug/l #	49
38) Carbon Tetrachloride	7.64	117	42016	6.540	ug/l #	16
71) Bromoform	12.40	173	1307	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	131062	26.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131062	69.039	ug/l #	13
95) Naphthalene	15.14	128	2365	3.239	ug/l #	89

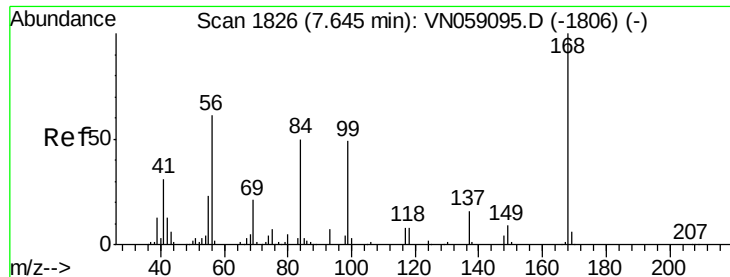
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059268.D

Acq: 15 Nov 2019 16:04

Instrument :

MSVOA_N

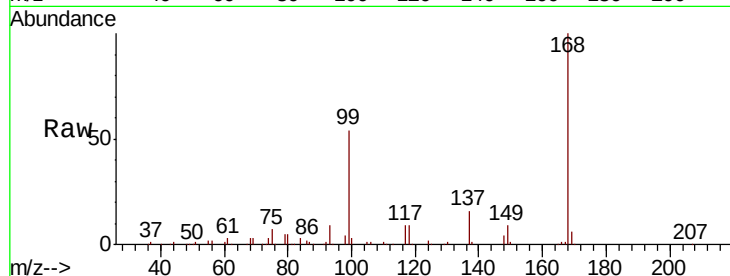
ClientSampled :

Tot Ion:168 Resp: 447664

Ion Ratio Lower Upper

168 100

99 54.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.65

200000

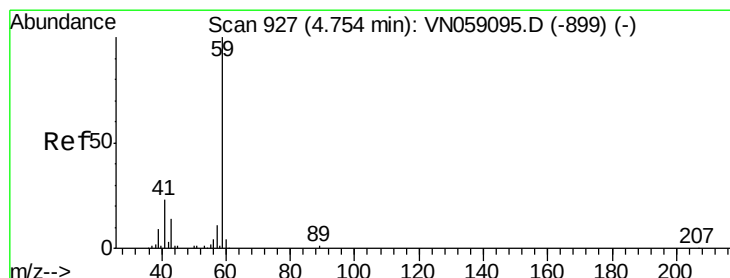
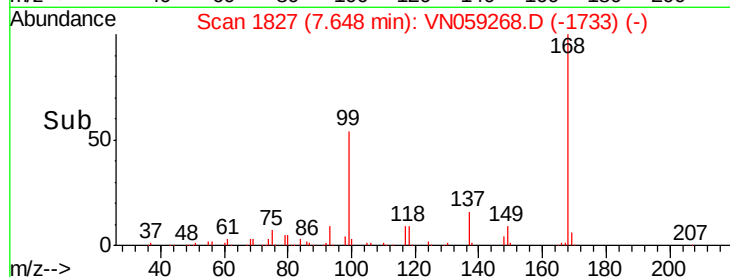
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.282 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN059268.D

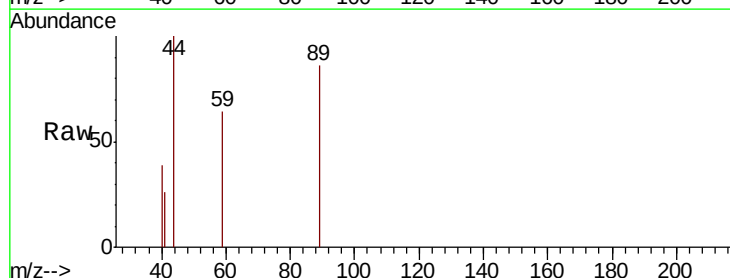
Acq: 15 Nov 2019 16:04

Tgt Ion: 59 Resp: 296

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059095.D (-899) (-)

Ion 57.00 (56.70 to 57.70): VN059095.D (-899) (-)

4.72

400

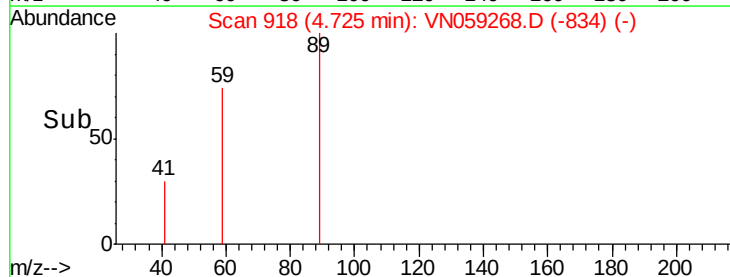
300

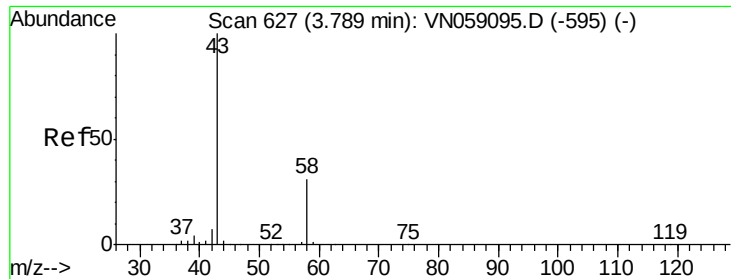
200

100

0

Time-->





#16

Acetone

Concen: 4.287 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059268.D

Acq: 15 Nov 2019 16:04

Instrument :

MSVOA_N

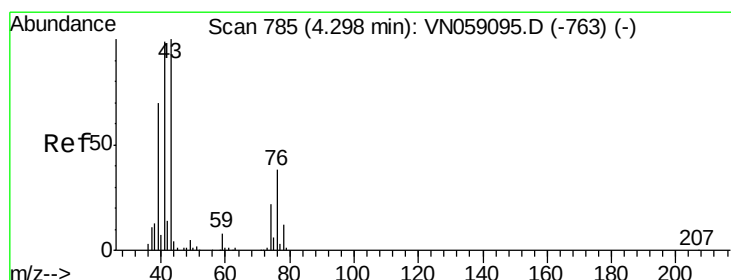
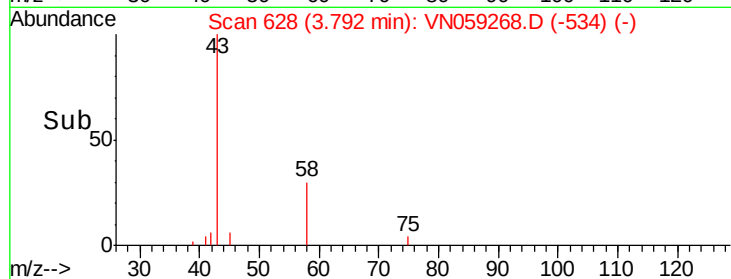
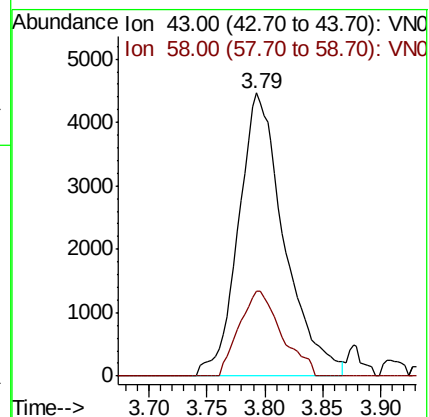
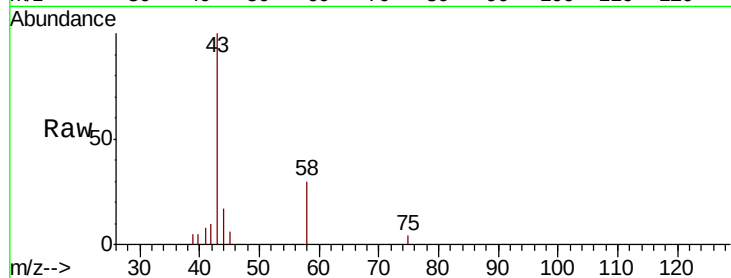
ClientSampleId :

Tot Ion: 43 Resp: 12268

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3



#18

Methyl Acetate

Concen: 0.649 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN059268.D

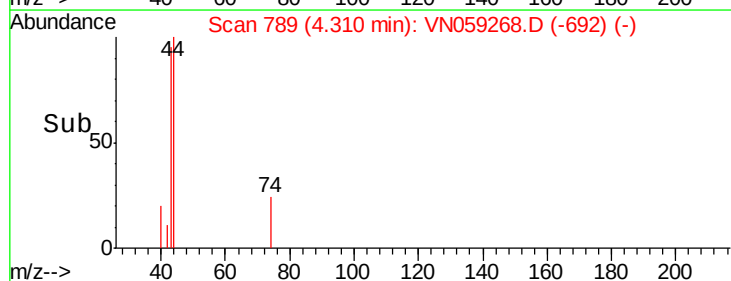
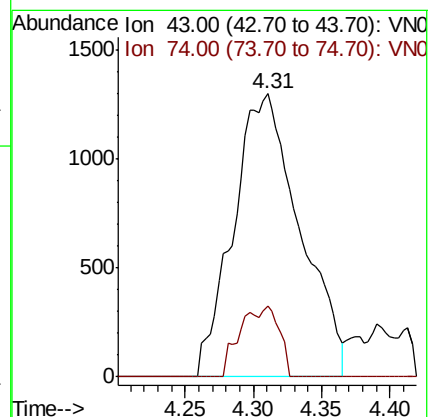
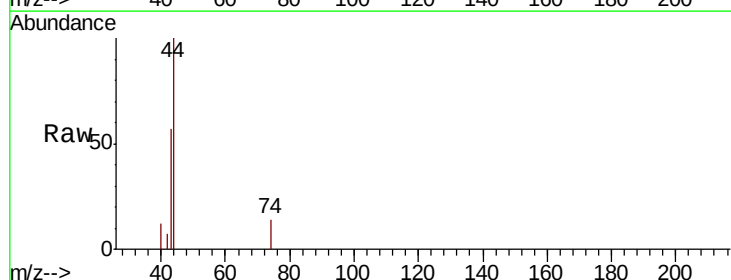
Acq: 15 Nov 2019 16:04

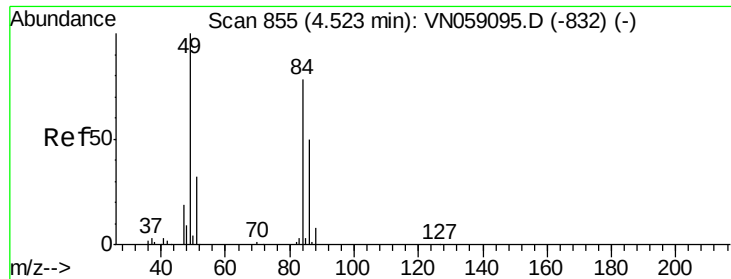
Tgt Ion: 43 Resp: 4409

Ion Ratio Lower Upper

43 100

74 7.9 17.8 26.8#

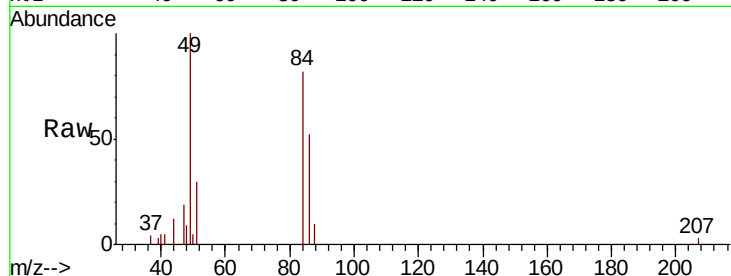




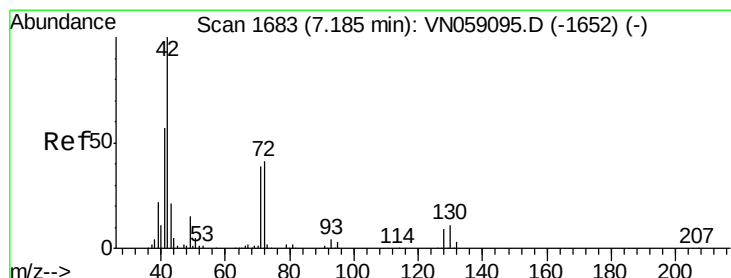
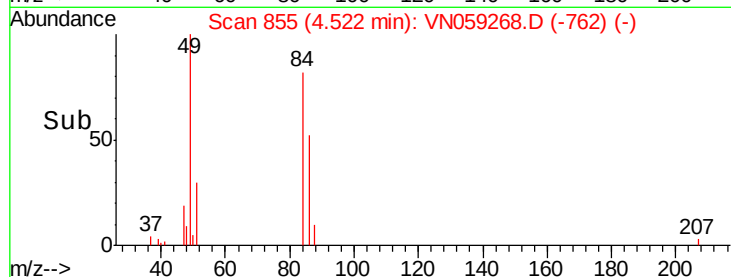
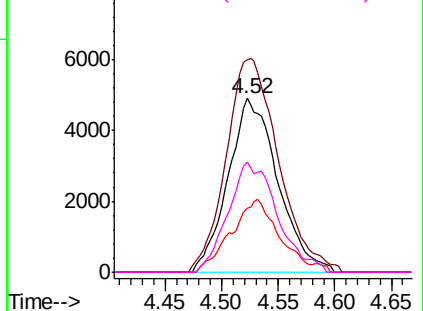
#20
Methylene Chloride
Concen: 3.010 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	15007
Ion	Ratio	Lower	Upper
84	100		
49	122.5	102.0	153.0
51	36.8	32.2	48.2
86	63.3	50.7	76.1

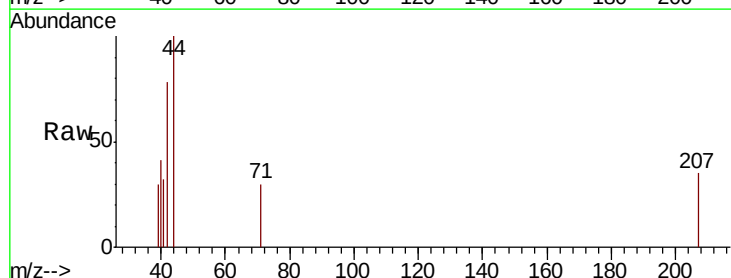


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

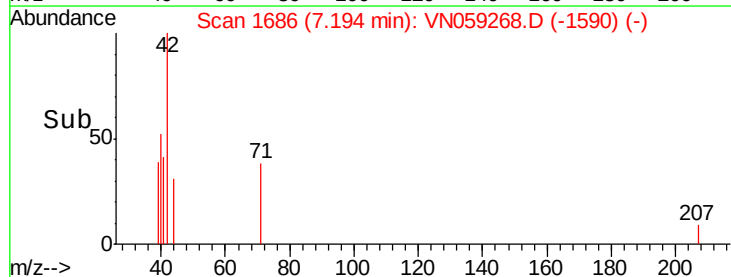
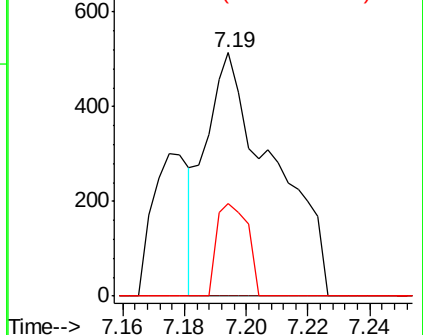


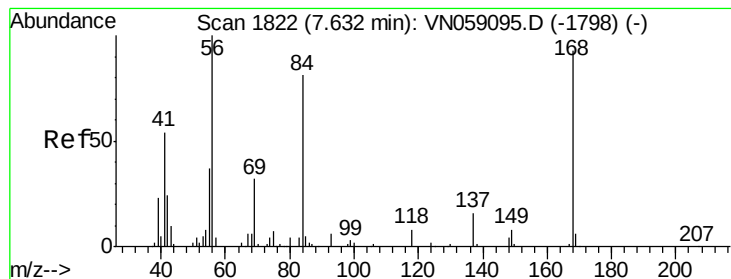
#29
Tetrahydrofuran
Concen: 0.326 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Tgt Ion:	42	Resp:	781
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.1	49.7#
71	17.3	30.9	46.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.995 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059268.D

Acq: 15 Nov 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

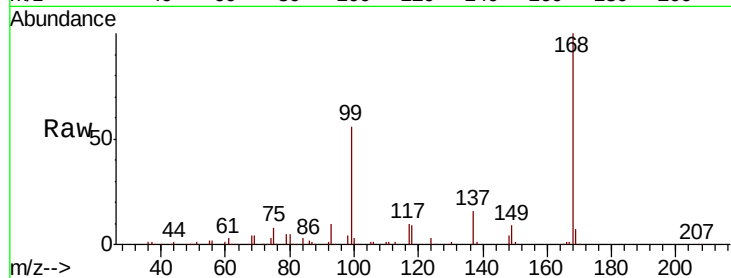
Tot Ion: 56 Resp: 8523

Ion Ratio Lower Upper

56 100

69 192.1 25.8 38.8#

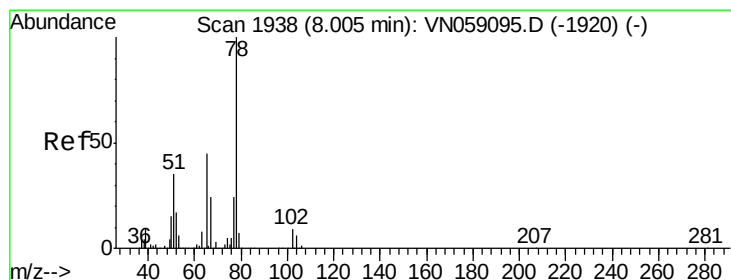
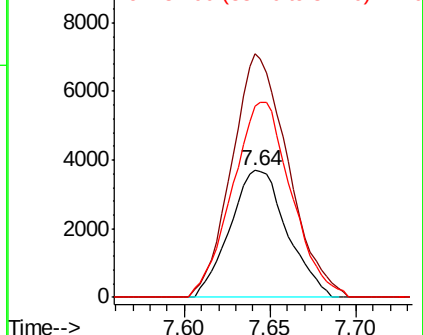
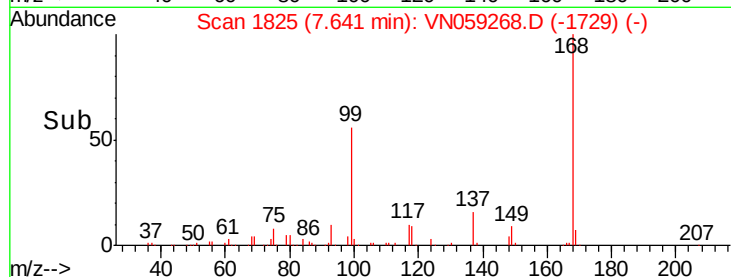
84 150.8 65.0 97.4#



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: 49.205 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059268.D

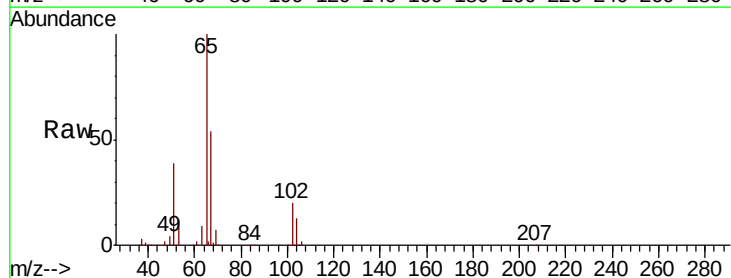
Acq: 15 Nov 2019 16:04

Tgt Ion: 65 Resp: 270773

Ion Ratio Lower Upper

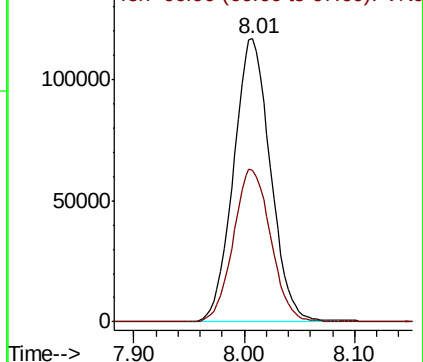
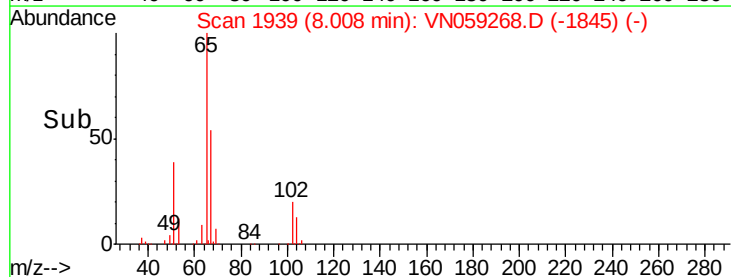
65 100

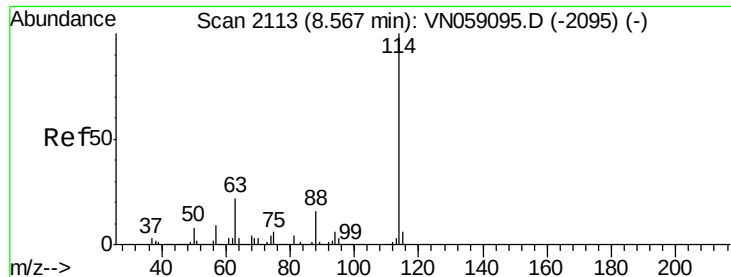
67 54.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

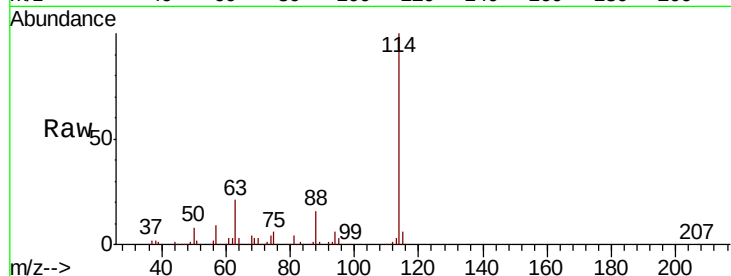




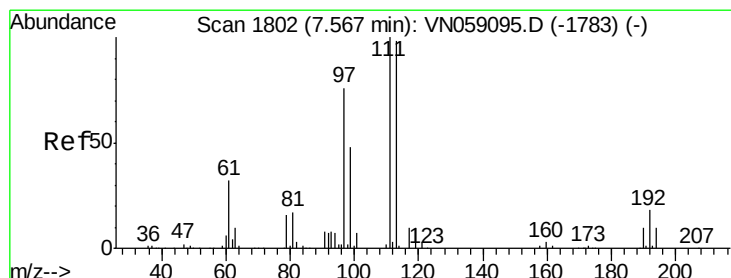
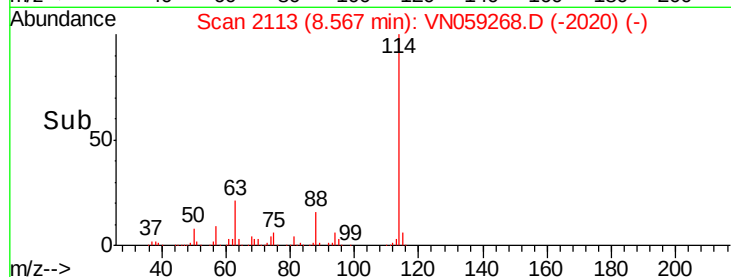
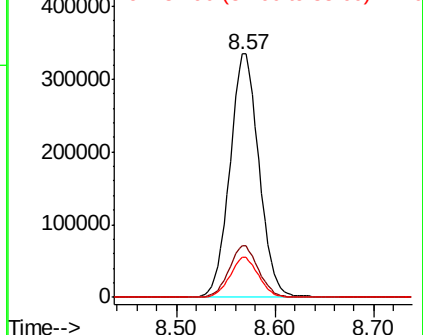
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059268.D
 Acq: 15 Nov 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	16.3	0.0	32.2

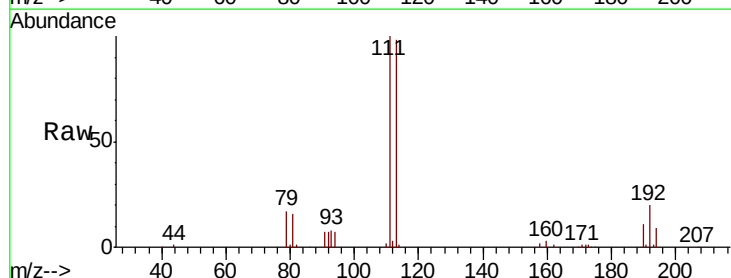


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

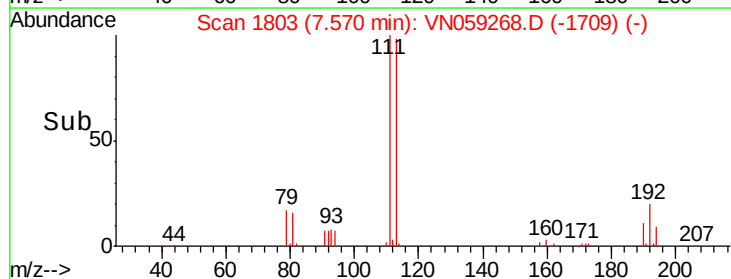
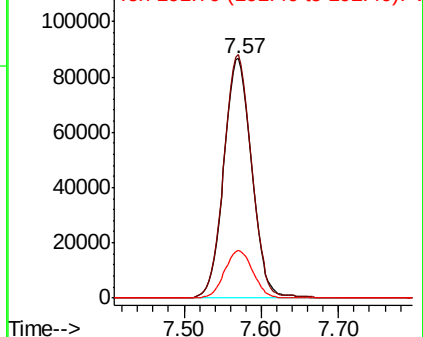


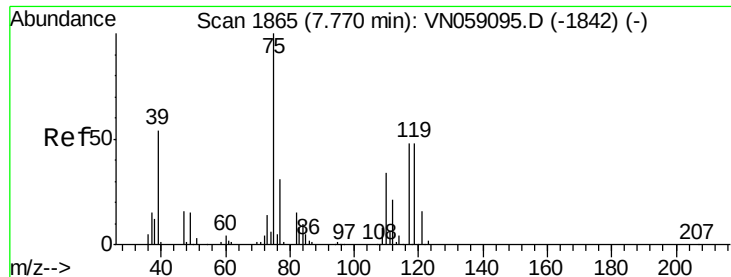
#35
 Dibromofluoromethane
 Concen: 52.630 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059268.D
 Acq: 15 Nov 2019 16:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.8	124.2
192	20.1	16.1	24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

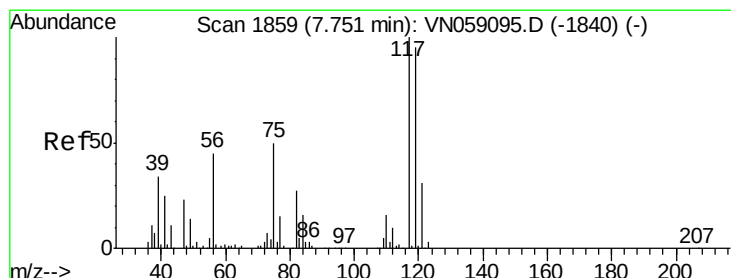
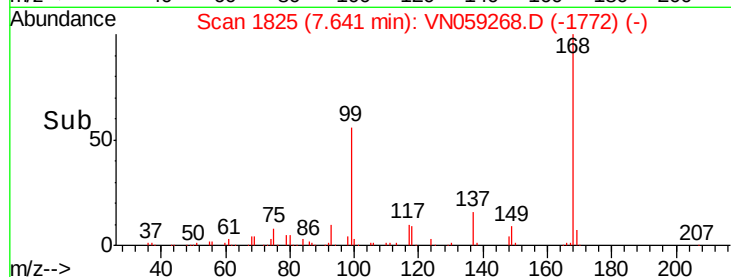
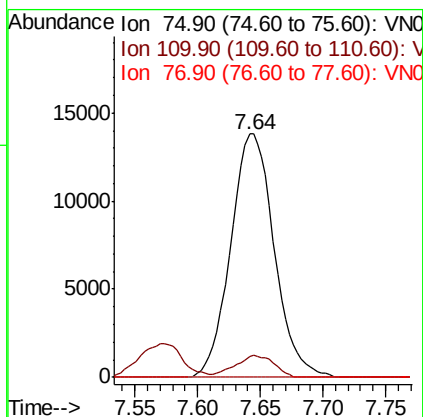
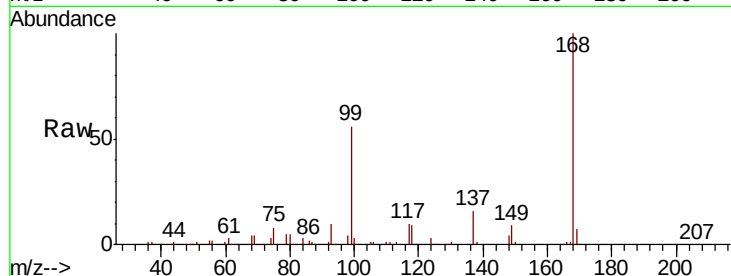




#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059268.D
 Acq: 15 Nov 2019 16:04

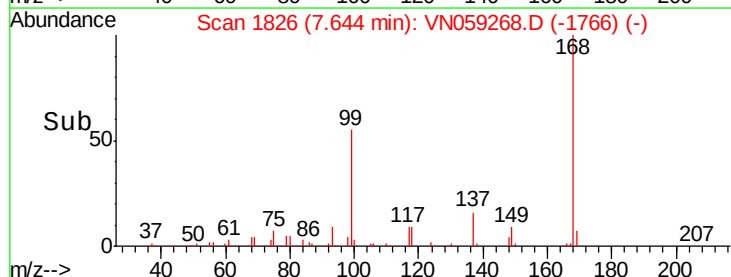
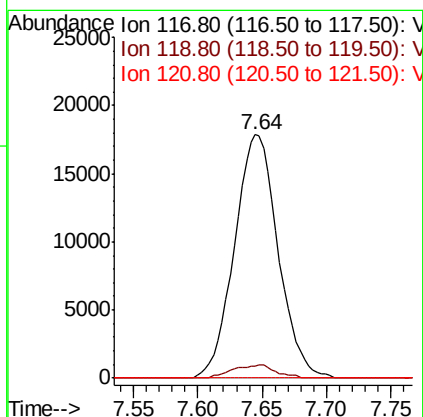
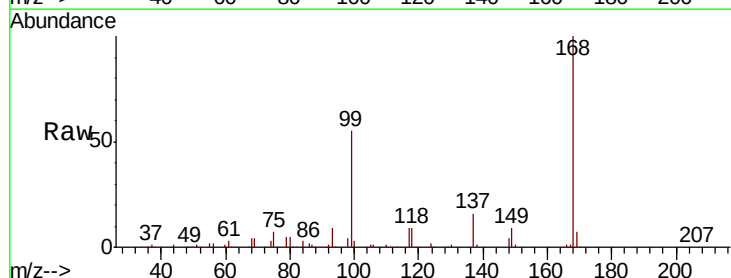
Instrument :
 MSVOA_N
 ClientSampled :

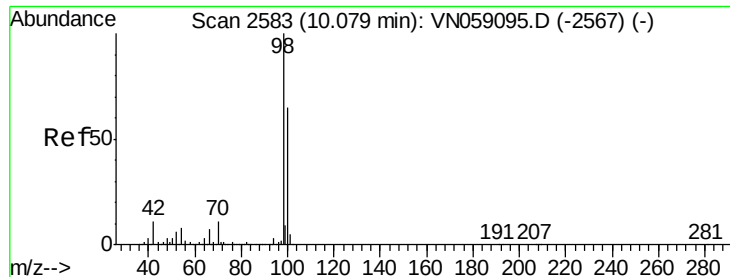
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.540 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059268.D
 Acq: 15 Nov 2019 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.6	113.4#
121	0.0	24.6	36.8#

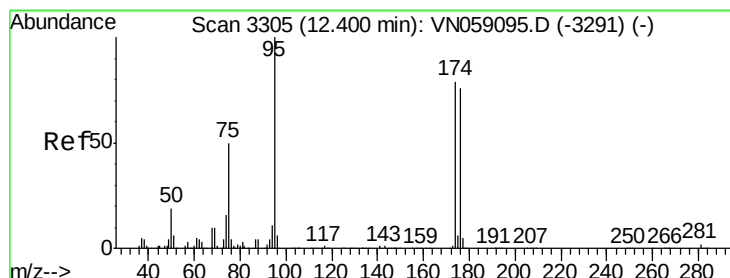
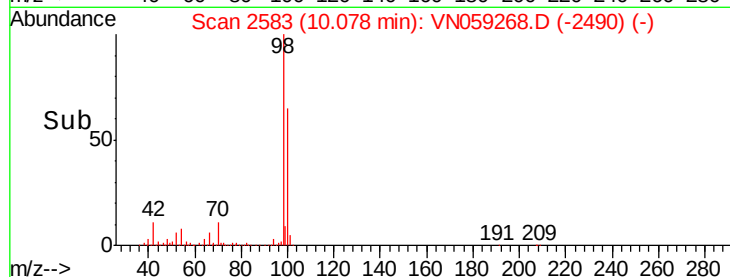
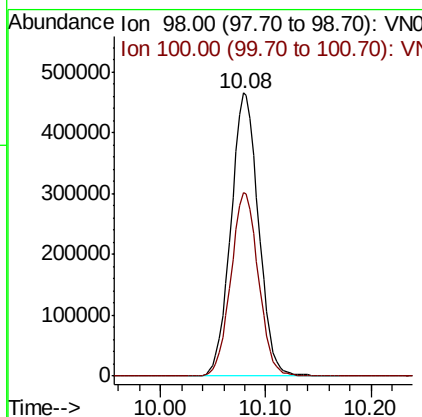
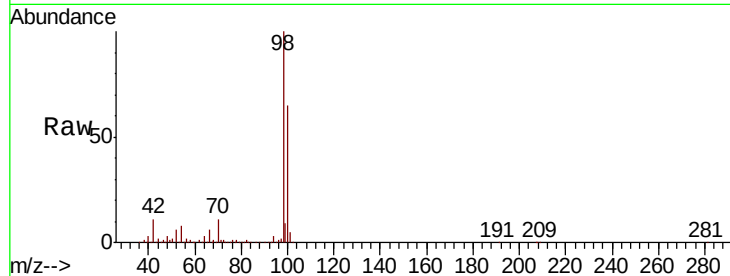




#50
Toluene-d8
Concen: 51.929 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

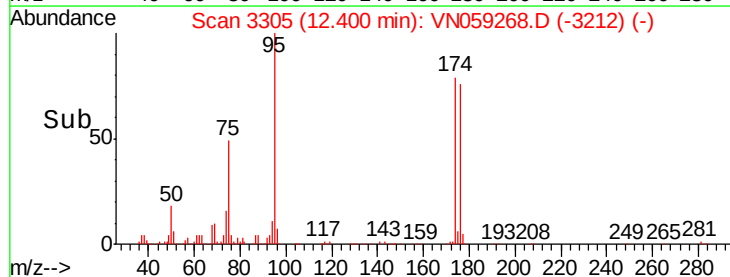
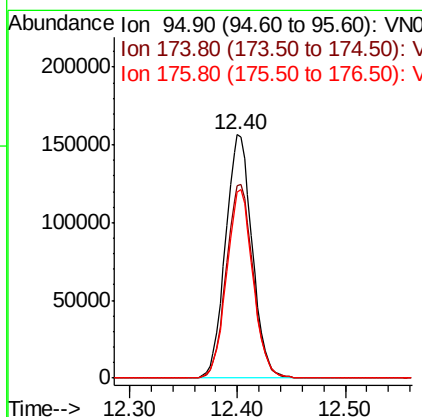
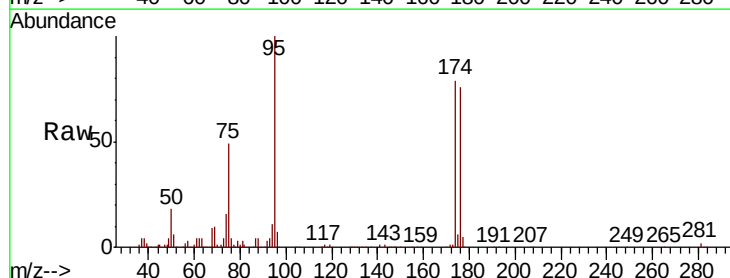
Instrument :
MSVOA_N
ClientSampled :

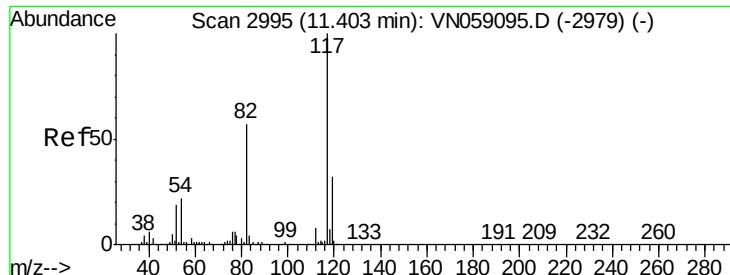
Tot Ion: 98 Resp: 843378
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.089 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Tgt Ion: 95 Resp: 269892
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.2
176 76.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059268.D

Acq: 15 Nov 2019 16:04

Instrument :

MSVOA_N

ClientSampled :

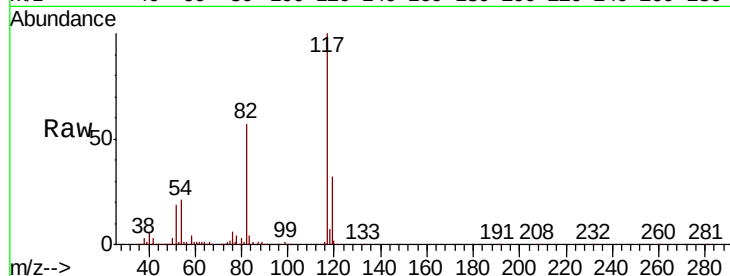
Tot Ion:117 Resp: 606554

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

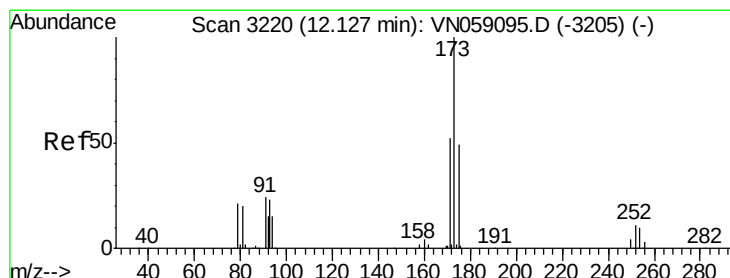
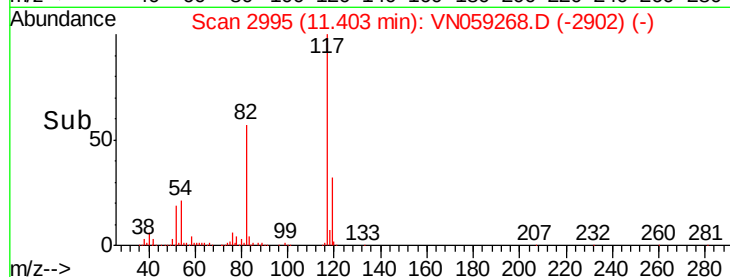
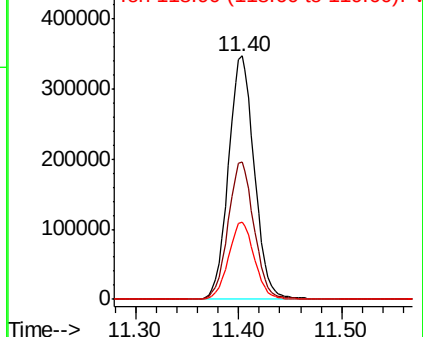
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.379 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059268.D

Acq: 15 Nov 2019 16:04

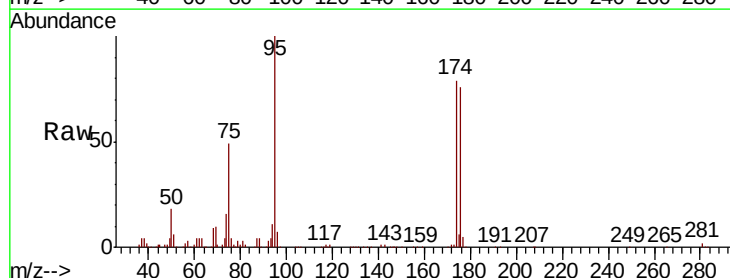
Tgt Ion:173 Resp: 1307

Ion Ratio Lower Upper

173 100

175 1060.9 24.2 72.6#

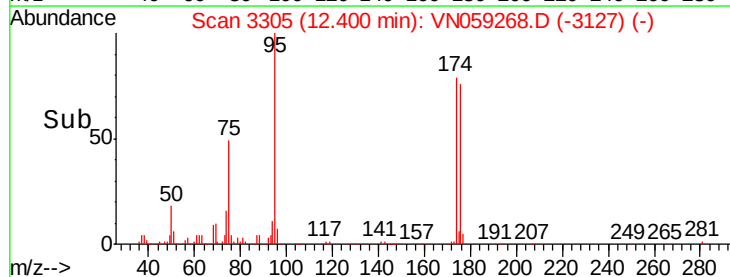
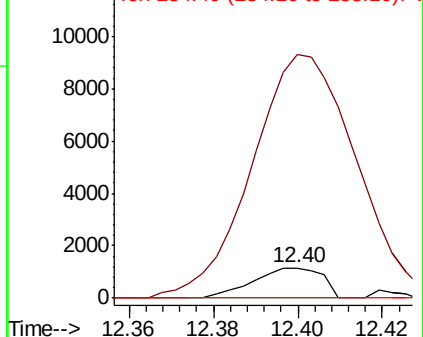
254 0.0 0.1 0.1#

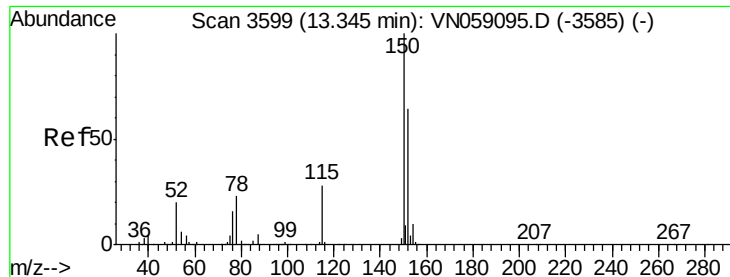


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



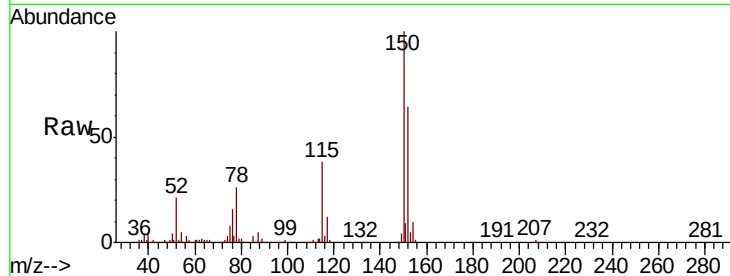


#72

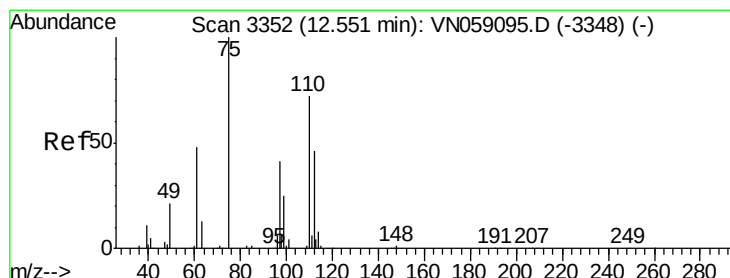
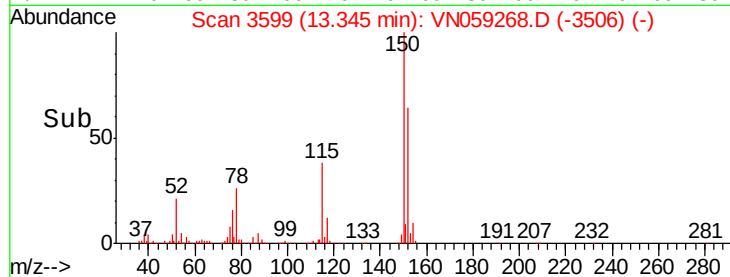
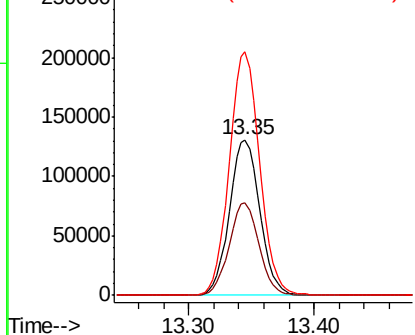
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.4	88.2
150	156.0	0.0	345.8



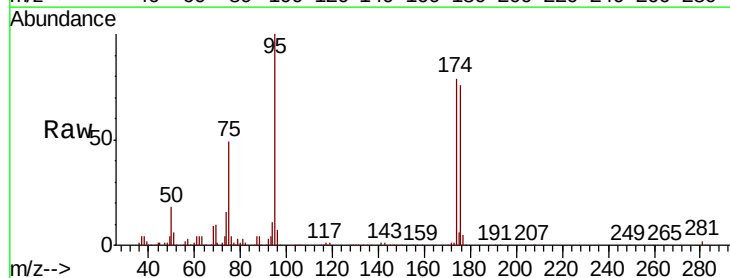
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



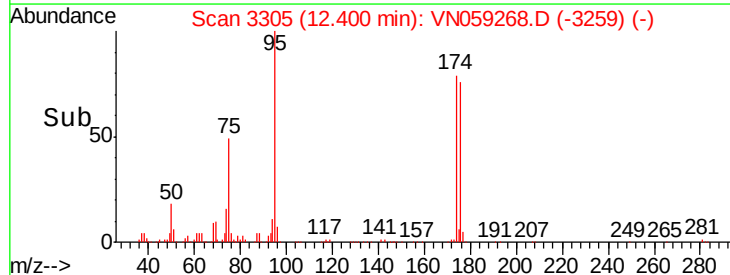
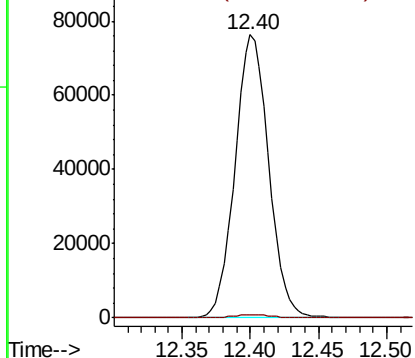
#76

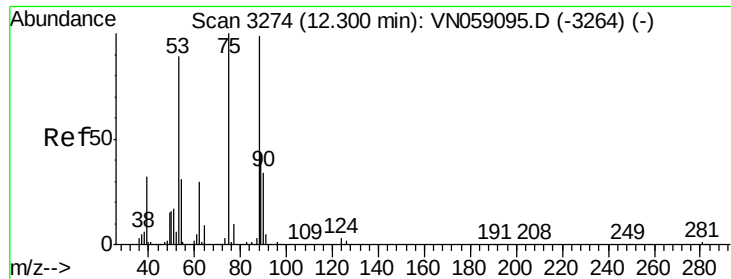
1,2,3-Trichloropropane
Concen: 26.139 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



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

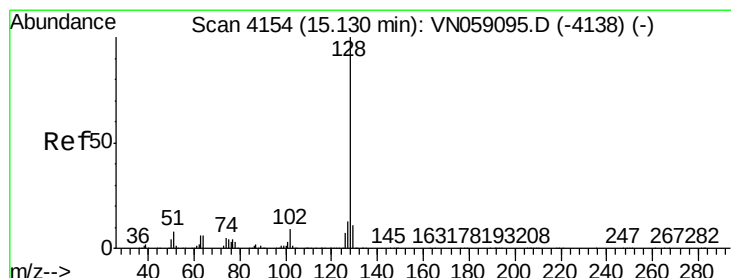
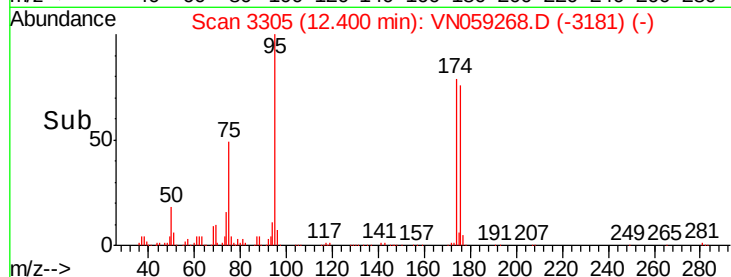
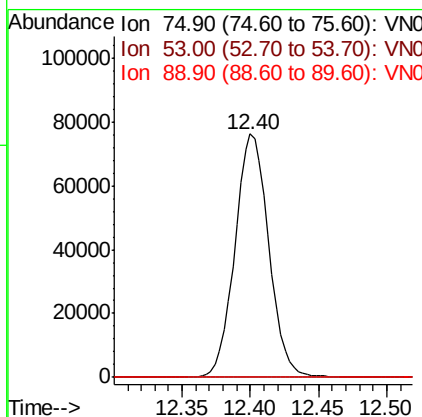
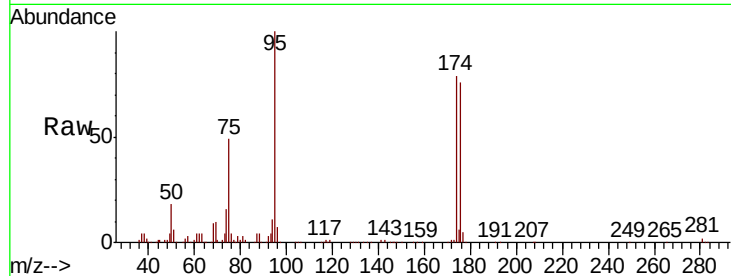




#81
trans-1,4-Dichloro-2-butene
Concen: 69.039 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 131062
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.2#
89 0.1 35.8 53.8#



#95
Naphthalene
Concen: 3.239 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059268.D
Acq: 15 Nov 2019 16:04

Tgt Ion: 128 Resp: 2365
Ion Ratio Lower Upper
128 100
127 11.2 10.2 15.2
129 3.0 8.6 12.8#

