

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058440.D
 Acq On : 30 Sep 2019 17:01
 Operator : JC/SP
 Sample : K5080-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ140I-20190925

Quant Time: Oct 01 01:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	684430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223519	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	300656	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	7.57	113	211107	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.09	98	852471	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.41	95	268949	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

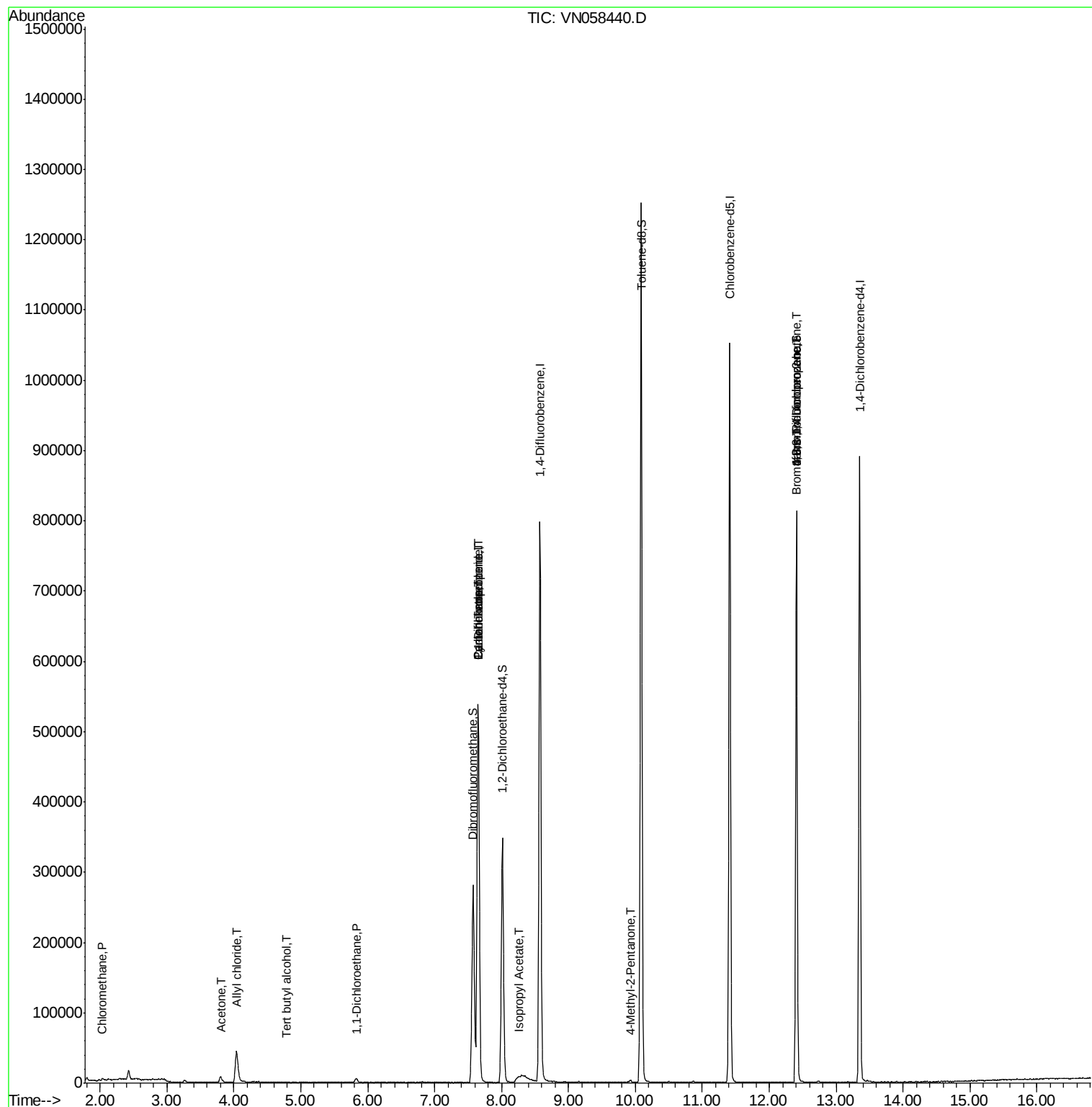
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1559	0.312	ug/l	94
11) Tert butyl alcohol	4.77	59	211	0.314	ug/l #	71
14) Allyl chloride	4.04	41	6245	0.878	ug/l #	77
16) Acetone	3.80	43	14205	6.879	ug/l	90
24) 1,1-Dichloroethane	5.83	63	9231	1.071	ug/l	98
31) Cyclohexane	7.64	56	10822	1.291	ug/l #	36
36) 1,1-Dichloropropene	7.65	75	36221	5.535	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43355	7.339	ug/l #	16
43) Isopropyl Acetate	8.25	43	8087	0.775	ug/l #	63
51) 4-Methyl-2-Pentanone	9.92	43	3190	0.595	ug/l #	37
71) Bromoform	12.39	173	190	0.764	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	148501	36.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	148501	110.473	ug/l #	7
95) Naphthalene	15.15	128	94	Below Cal	#	70

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

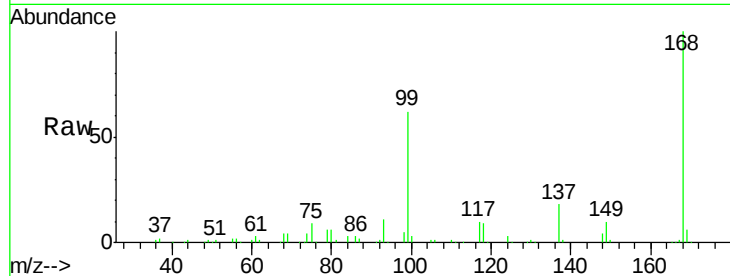
SA-PZ140I-20190925

Tot Ion:168 Resp: 414524

Ion Ratio Lower Upper

168 100

99 62.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

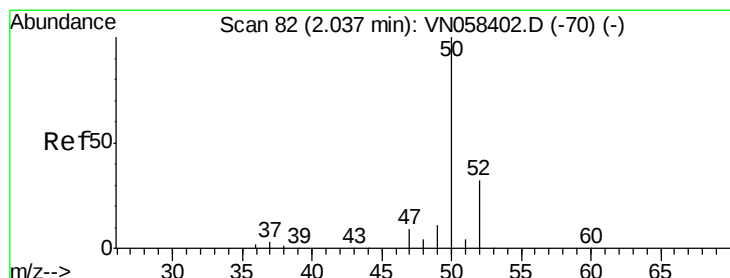
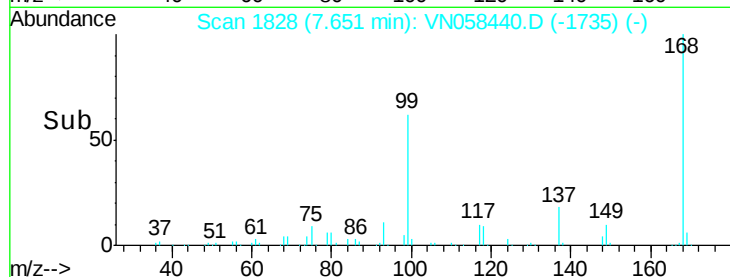
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.312 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058440.D

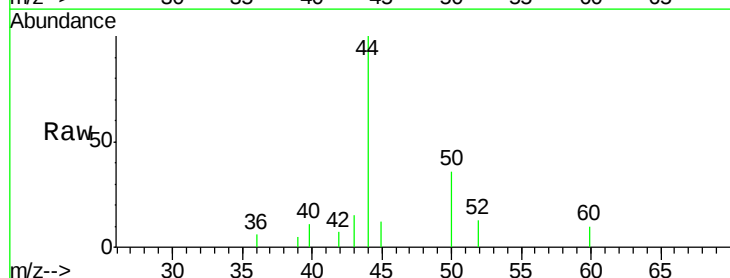
Acq: 30 Sep 2019 17:01

Tgt Ion: 50 Resp: 1559

Ion Ratio Lower Upper

50 100

52 35.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1200

1000

800

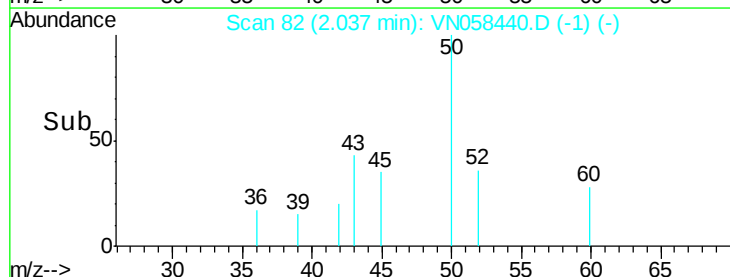
600

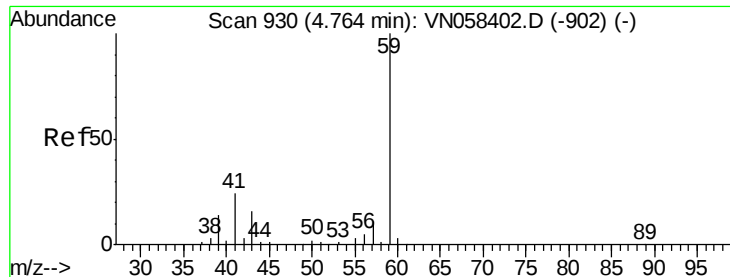
400

200

0

Time-->



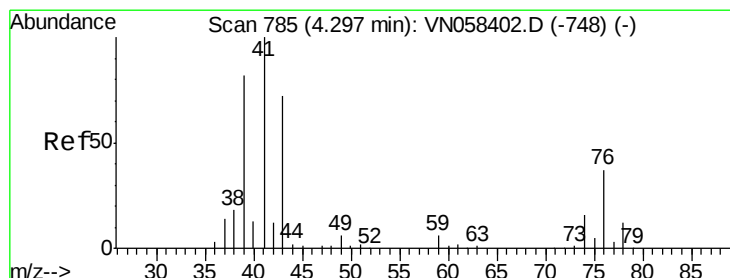
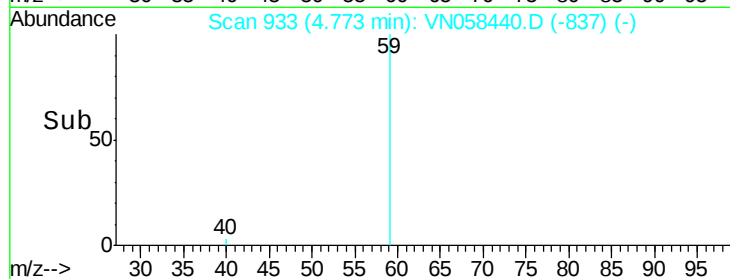
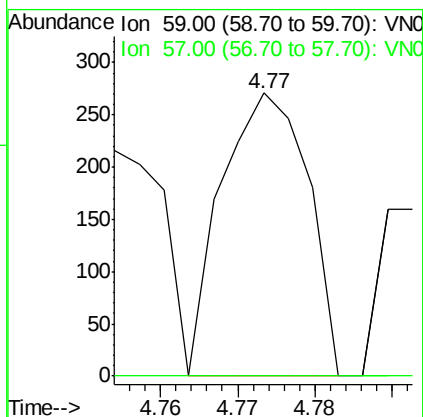
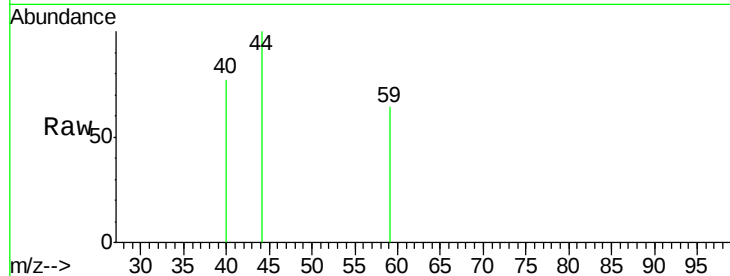


#11

Tert butyl alcohol
Concen: 0.314 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.01 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ140I-20190925

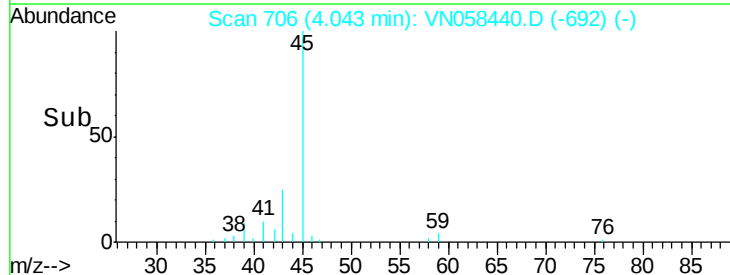
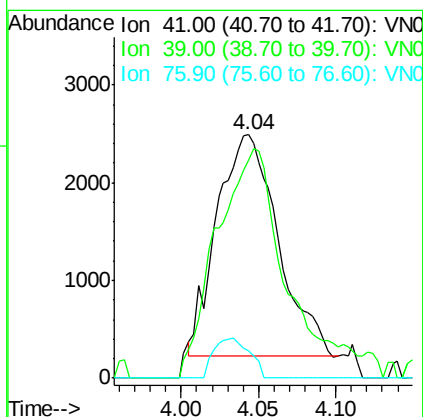
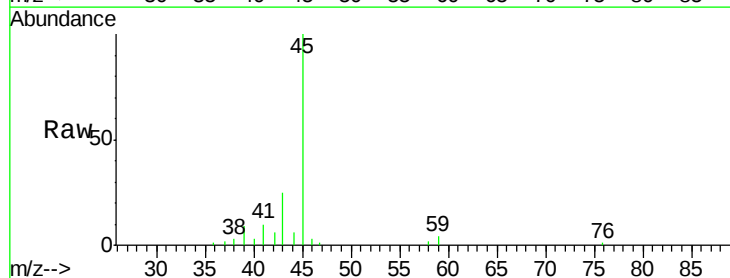
Tot Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

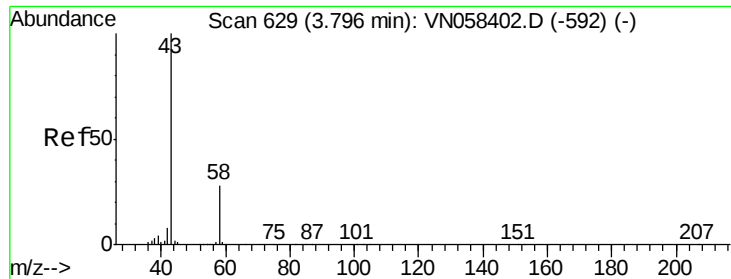


#14

Allyl chloride
Concen: 0.878 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.25 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Tgt Ion: 41 Resp: 6245
Ion Ratio Lower Upper
41 100
39 91.4 62.3 93.5
76 10.5 26.9 40.3#

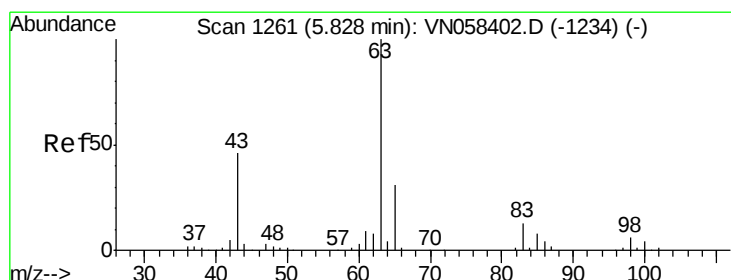
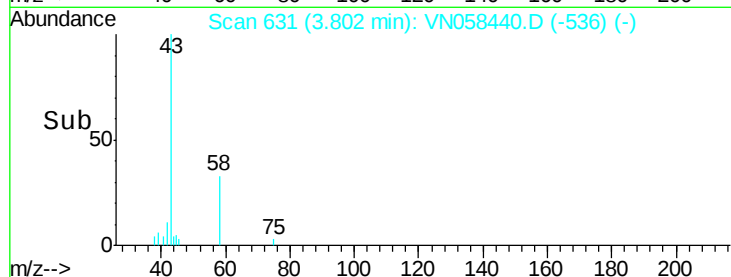
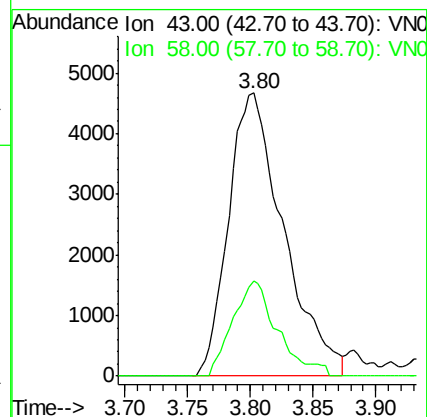
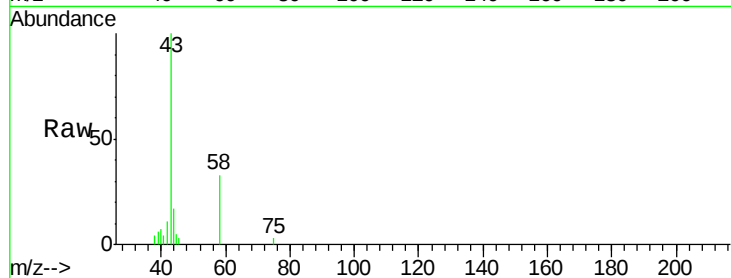




#16
Acetone
Concen: 6.879 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

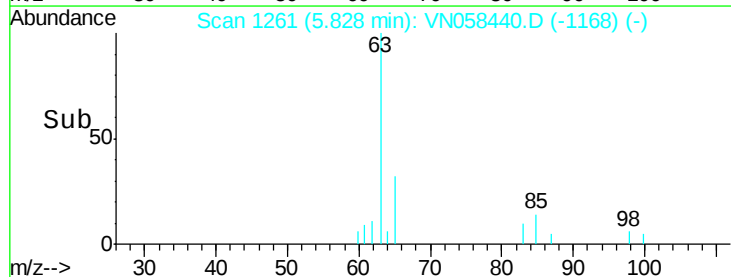
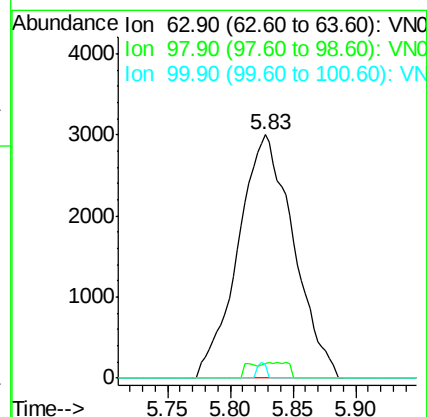
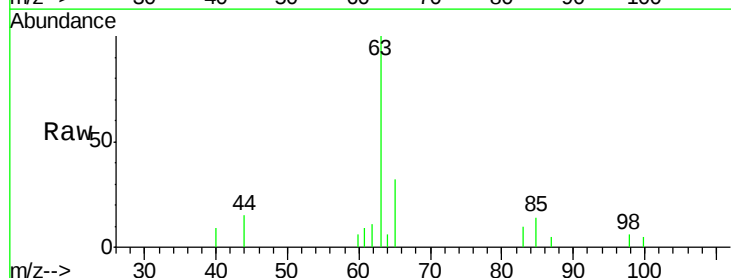
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ140I-20190925

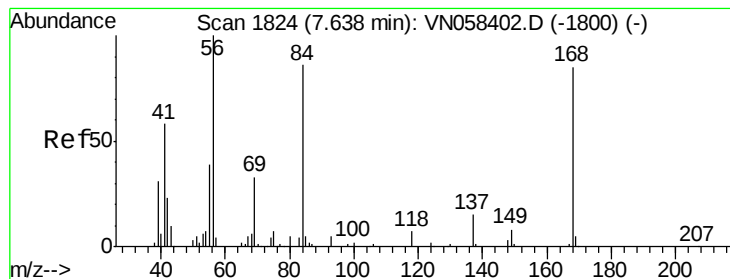
Tot Ion: 43 Resp: 14205
Ion Ratio Lower Upper
43 100
58 33.5 22.4 33.6



#24
1,1-Dichloroethane
Concen: 1.071 ug/l
RT: 5.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Tgt Ion: 63 Resp: 9231
Ion Ratio Lower Upper
63 100
98 6.1 3.0 9.0
100 5.3 2.0 5.8





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ140I-20190925

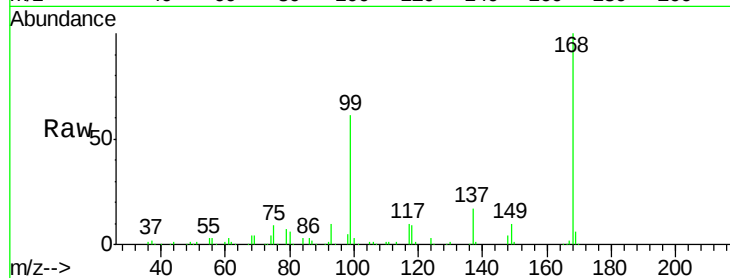
Tot Ion: 56 Resp: 10822

Ion Ratio Lower Upper

56 100

69 139.6 26.2 39.4#

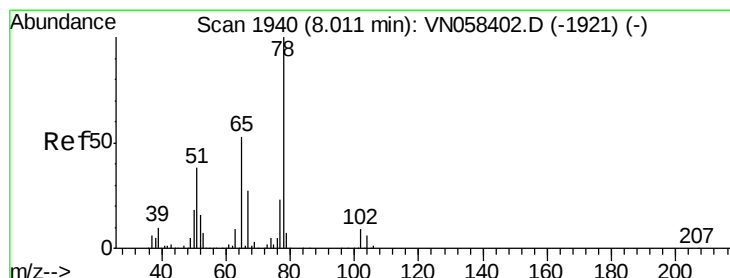
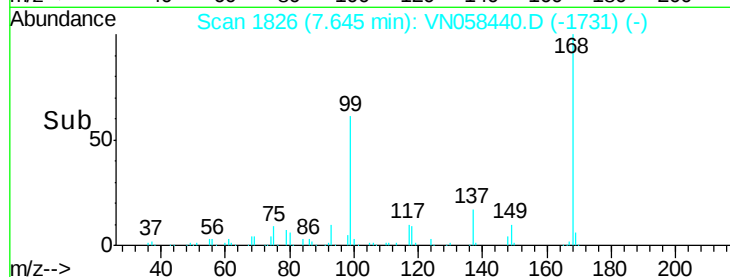
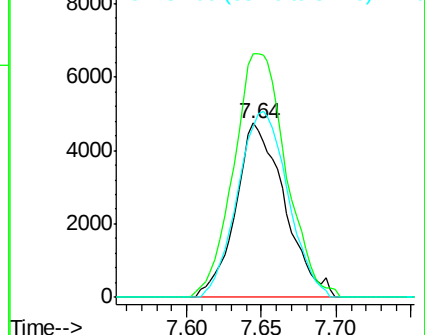
84 97.9 67.6 101.4



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: 49.633 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058440.D

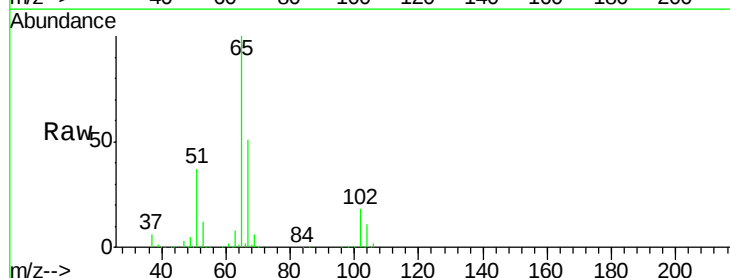
Acq: 30 Sep 2019 17:01

Tgt Ion: 65 Resp: 300656

Ion Ratio Lower Upper

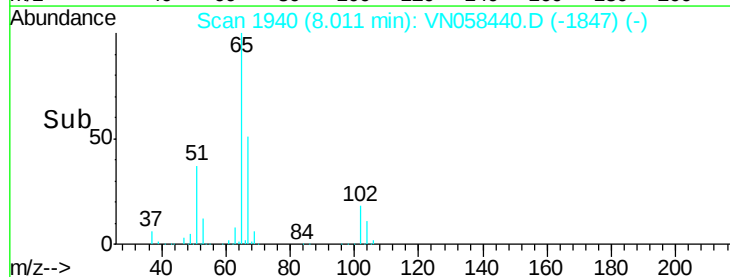
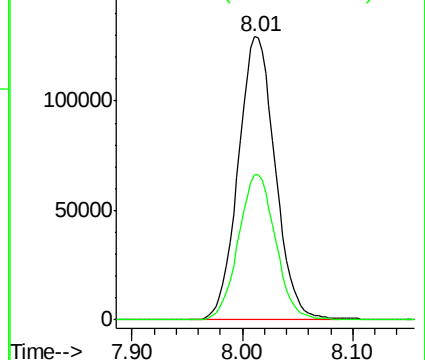
65 100

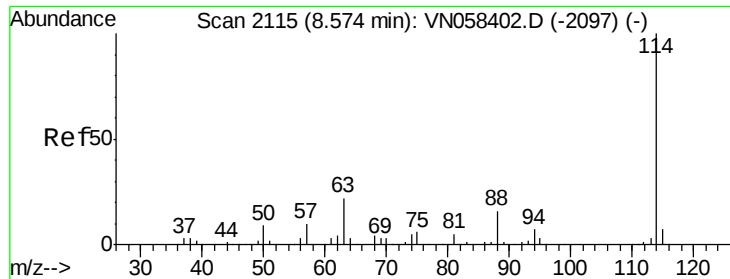
67 51.6 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

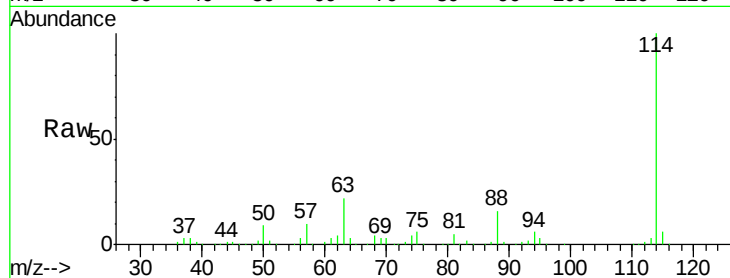




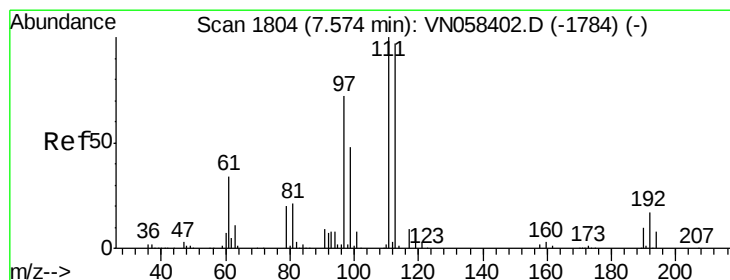
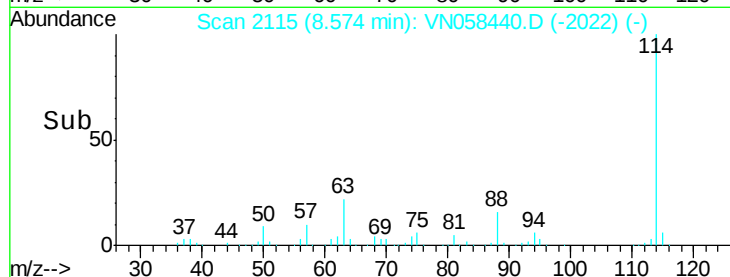
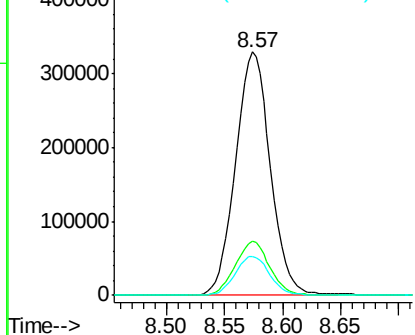
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058440.D
 Acq: 30 Sep 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ140I-20190925

Tot Ion:114 Resp: 684430
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.2 0.0 32.2

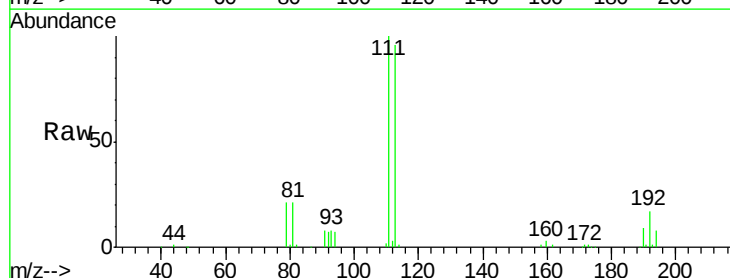


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

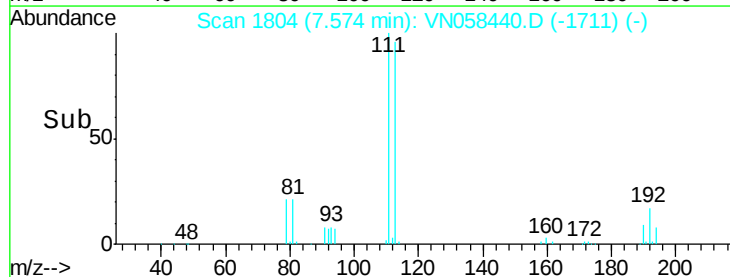
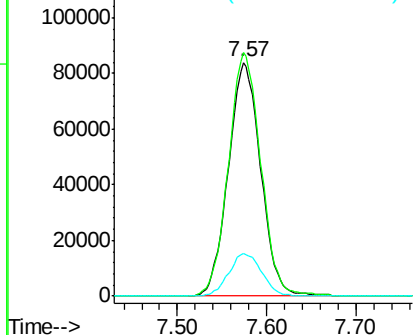


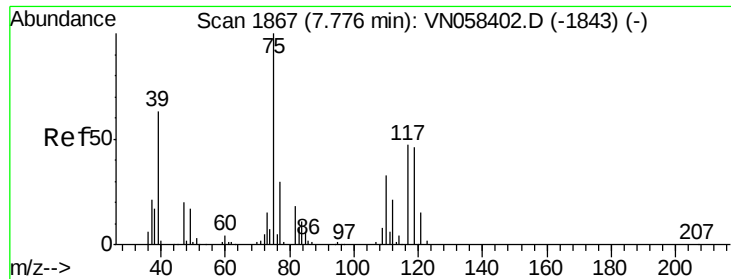
#35
 Dibromofluoromethane
 Concen: 50.326 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058440.D
 Acq: 30 Sep 2019 17:01

Tgt Ion:113 Resp: 211107
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.2
 192 18.5 14.9 22.3



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

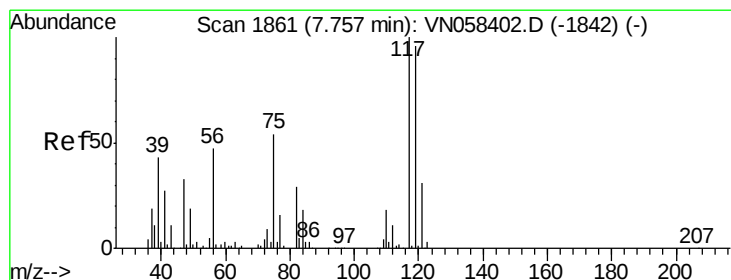
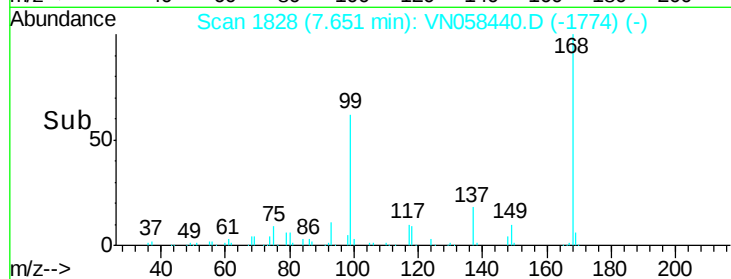
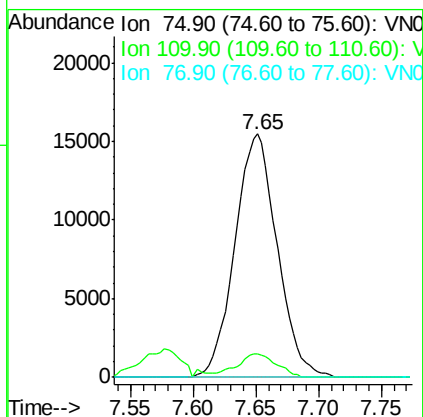
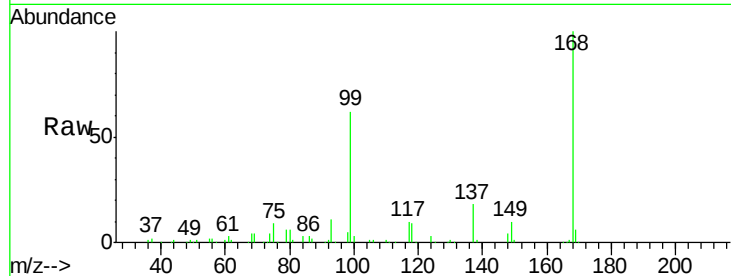




#36
 1,1-Dichloropropene
 Concen: 5.535 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058440.D
 Acq: 30 Sep 2019 17:01

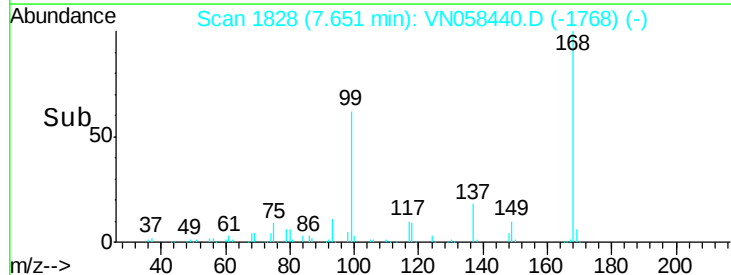
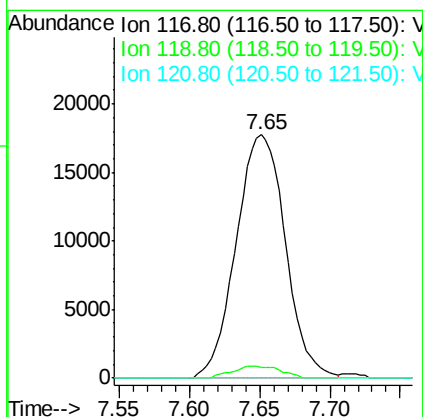
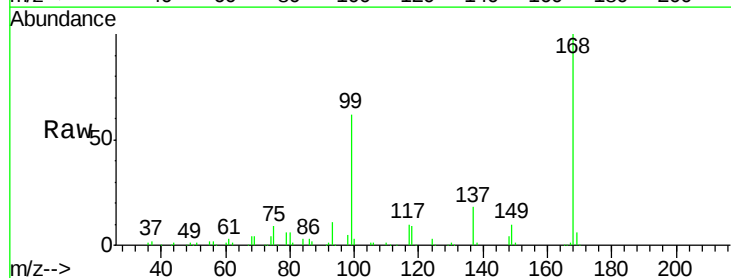
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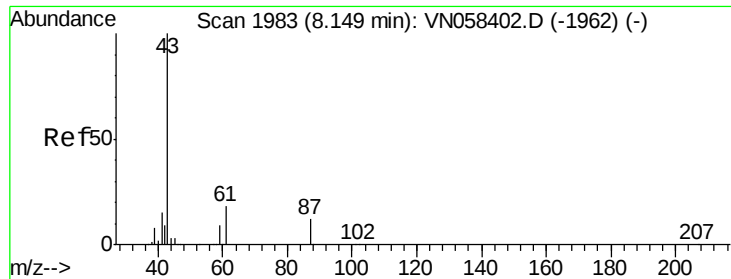
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.339 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058440.D
 Acq: 30 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.6	115.0#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.775 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.10 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ140I-20190925

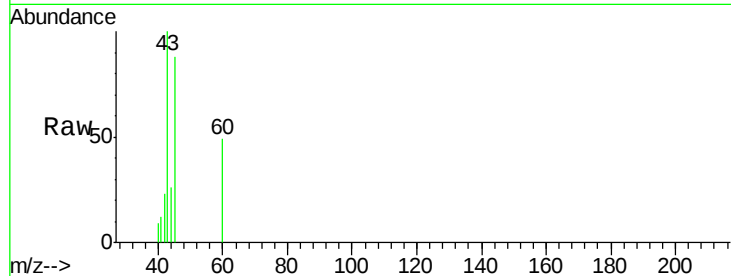
Tot Ion: 43 Resp: 8087

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

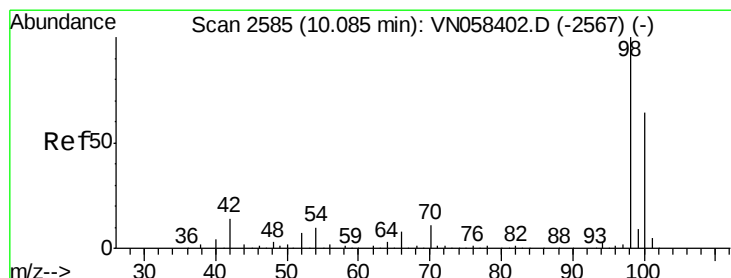
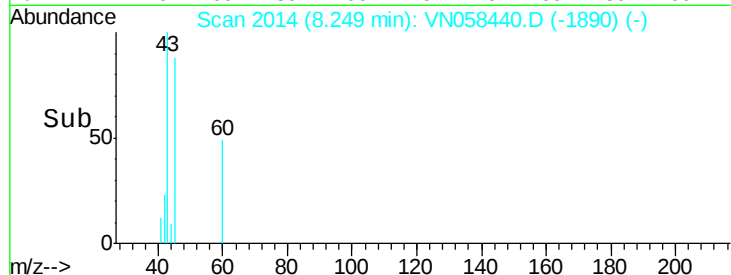
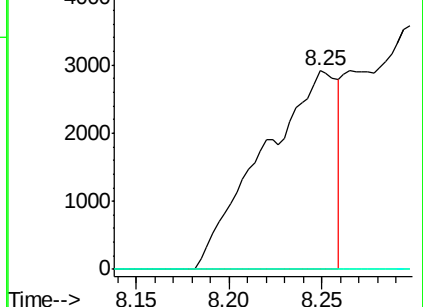
87 0.0 9.7 14.5#



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



#50

Toluene-d8

Concen: 51.876 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058440.D

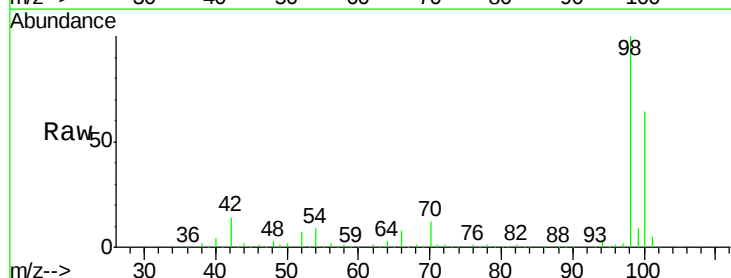
Acq: 30 Sep 2019 17:01

Tgt Ion: 98 Resp: 852471

Ion Ratio Lower Upper

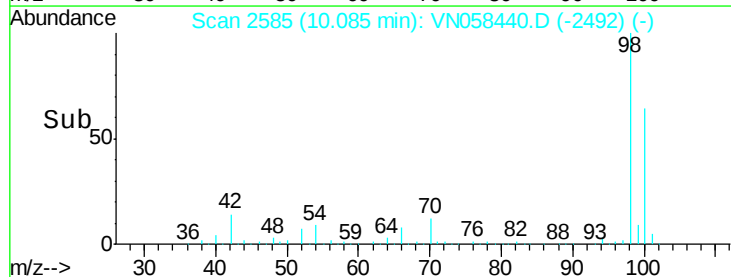
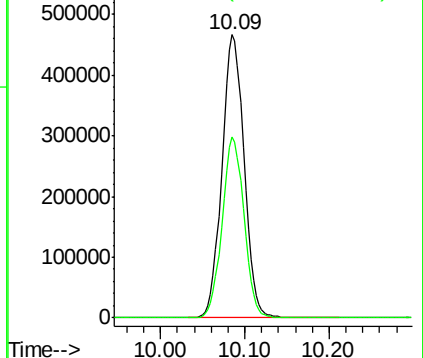
98 100

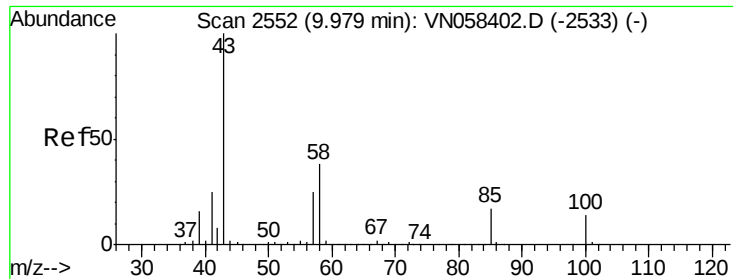
100 63.1 51.0 76.6



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: 0.595 ug/l

RT: 9.92 min Scan# 2534

Delta R.T. -0.06 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

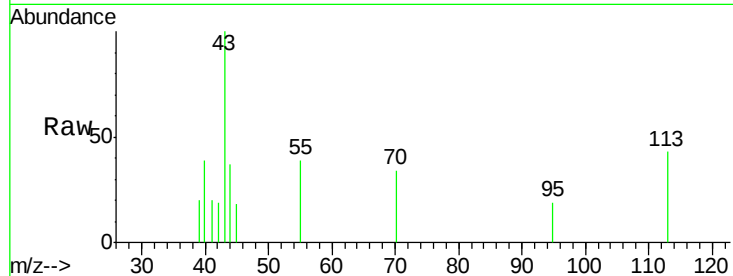
SA-PZ140I-20190925

Tot Ion: 43 Resp: 3190

Ion Ratio Lower Upper

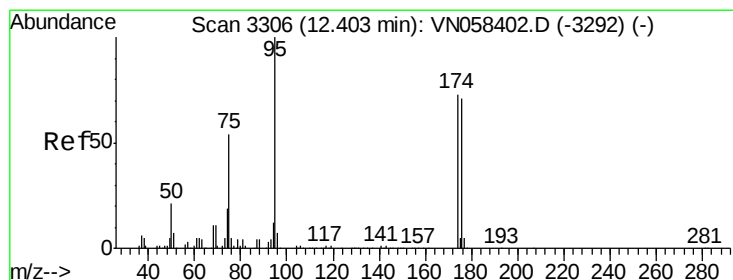
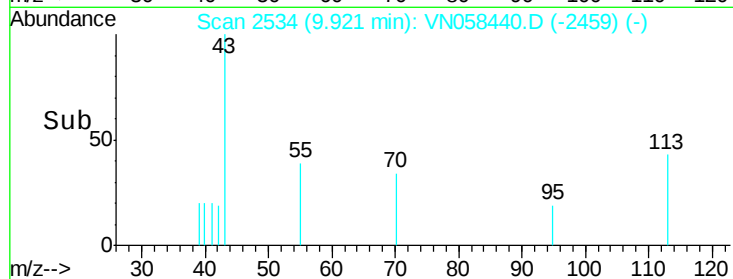
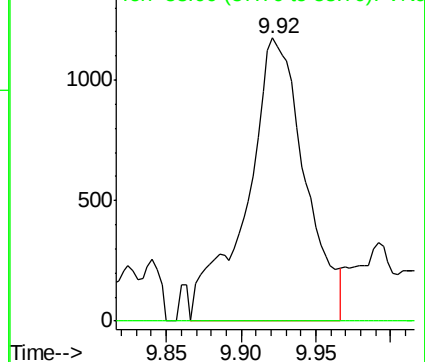
43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 45.264 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

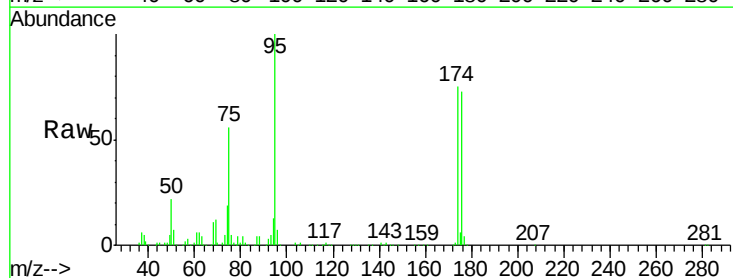
Tgt Ion: 95 Resp: 268949

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.6

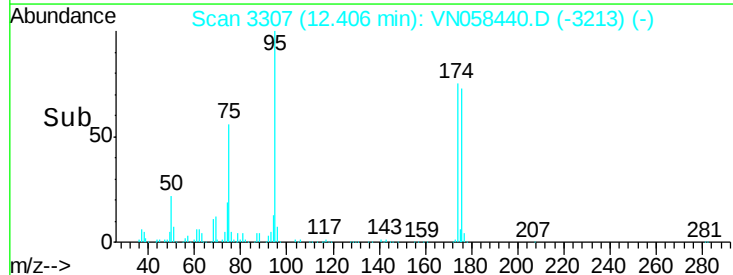
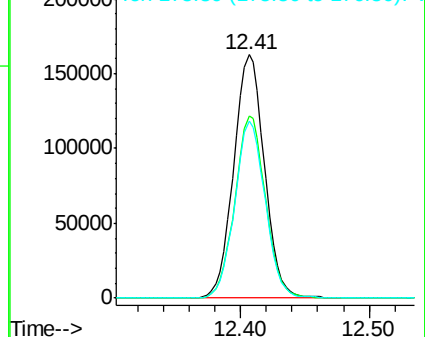
176 72.3 0.0 146.2

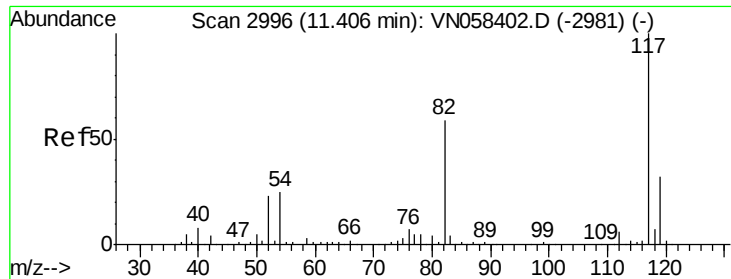


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

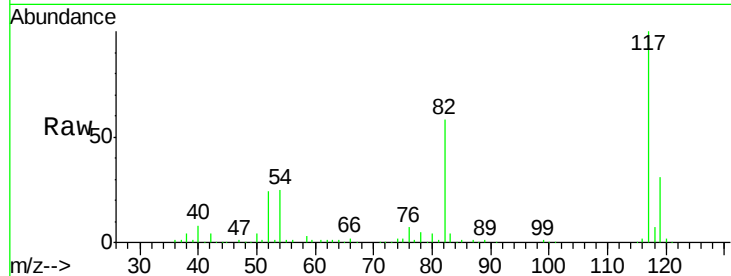




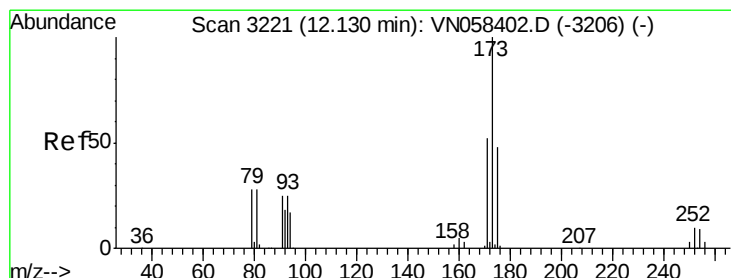
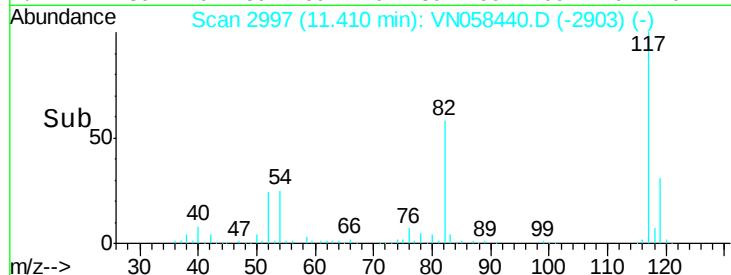
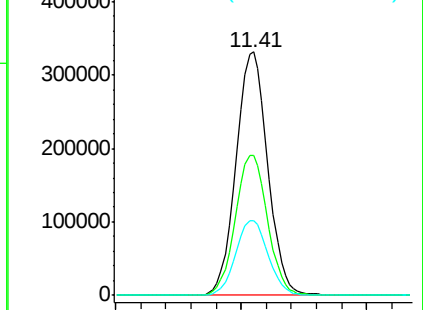
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ140I-20190925

Tot Ion:117 Resp: 580393
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.0
119 30.8 25.5 38.3

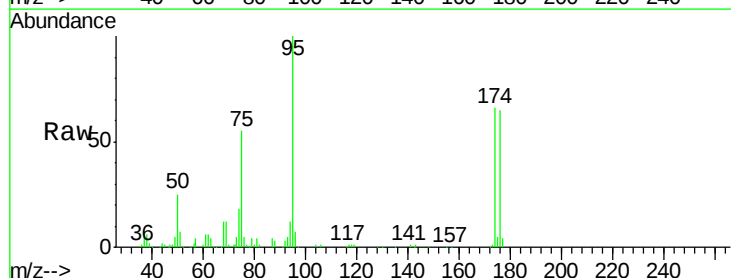


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

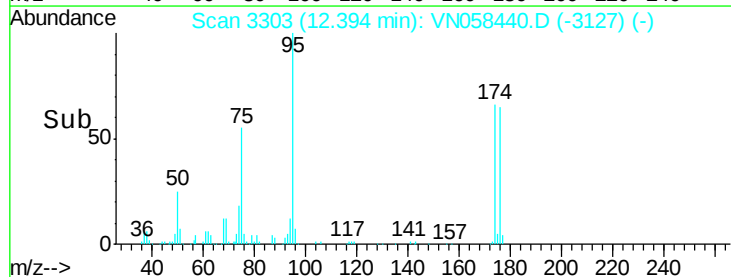
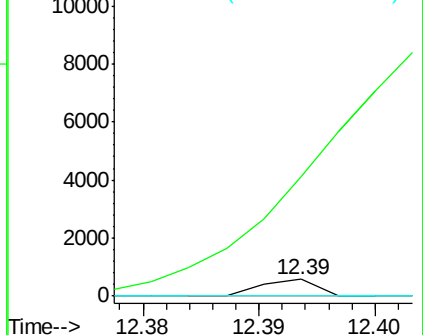


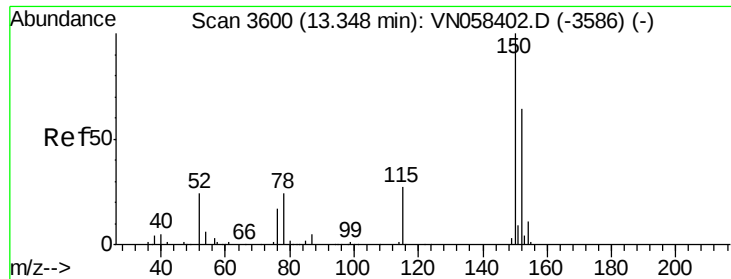
#71
Bromoform
Concen: 0.764 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Tgt Ion:173 Resp: 190
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
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



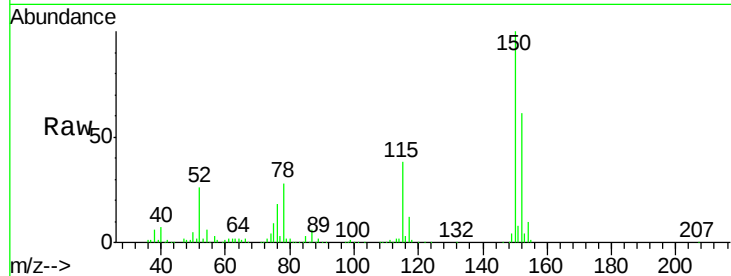


#72

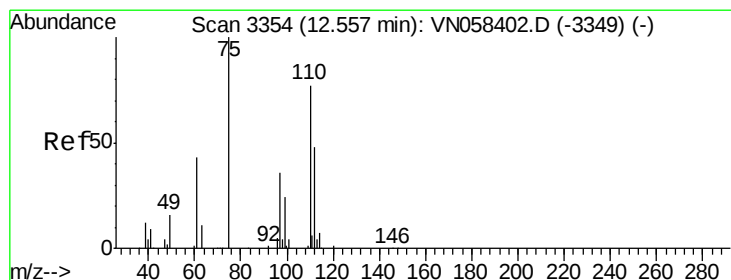
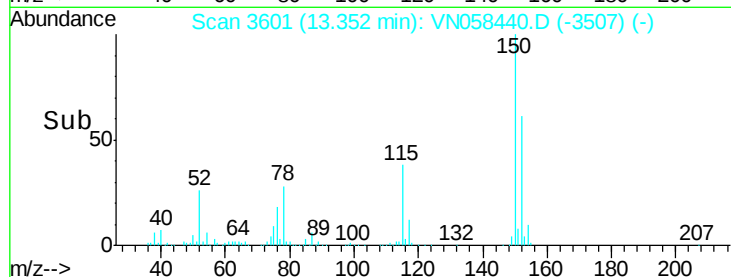
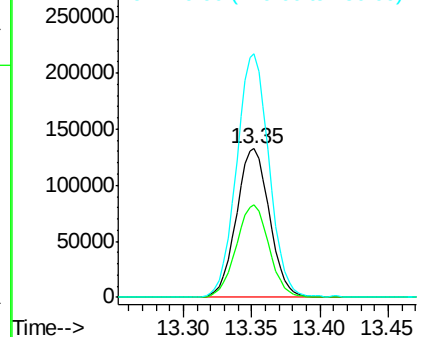
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ140I-20190925

Tot Ion:152 Resp: 223519
Ion Ratio Lower Upper
152 100
115 61.8 30.0 90.0
150 160.9 0.0 348.2



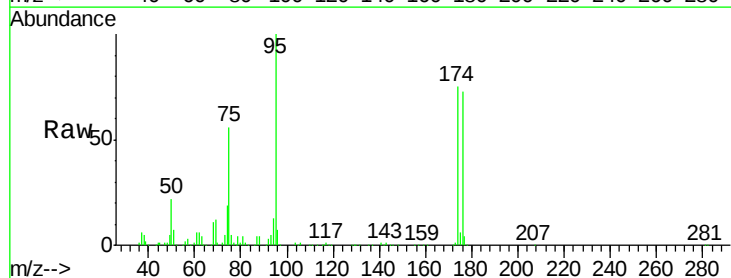
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



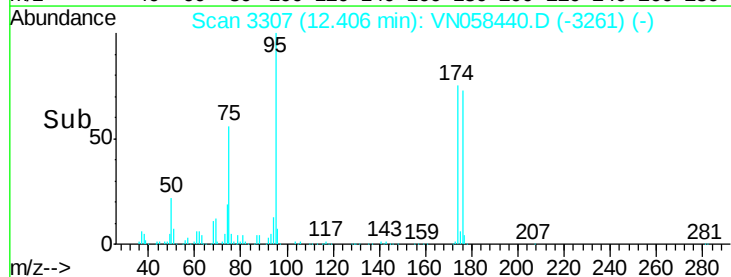
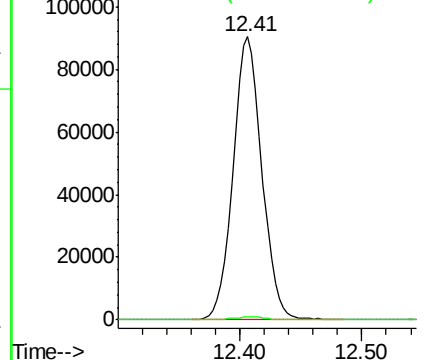
#76

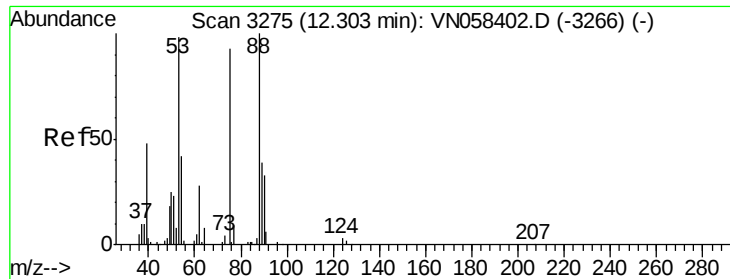
1,2,3-Trichloropropane
Concen: 36.374 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058440.D
Acq: 30 Sep 2019 17:01

Tgt Ion: 75 Resp: 148501
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





#81

trans-1,4-Dichloro-2-butene

Concen: 110.473 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058440.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ140I-20190925

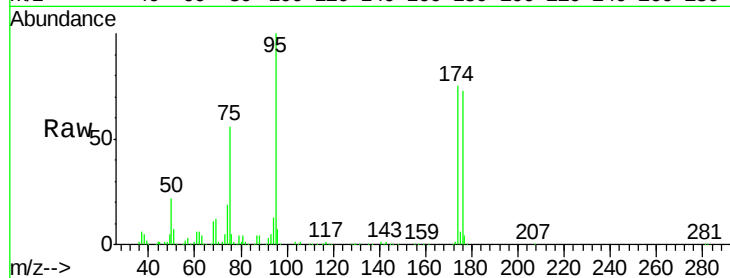
Tot Ion: 75 Resp: 148501

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



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

