

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058930.D
 Acq On : 23 Oct 2019 15:24
 Operator : JC/SP
 Sample : K5486-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-191021

Quant Time: Oct 24 01:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	302012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	508868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174101	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	253086	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	
35) Dibromofluoromethane	7.57	113	178482	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.09	98	627089	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.41	95	204055	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

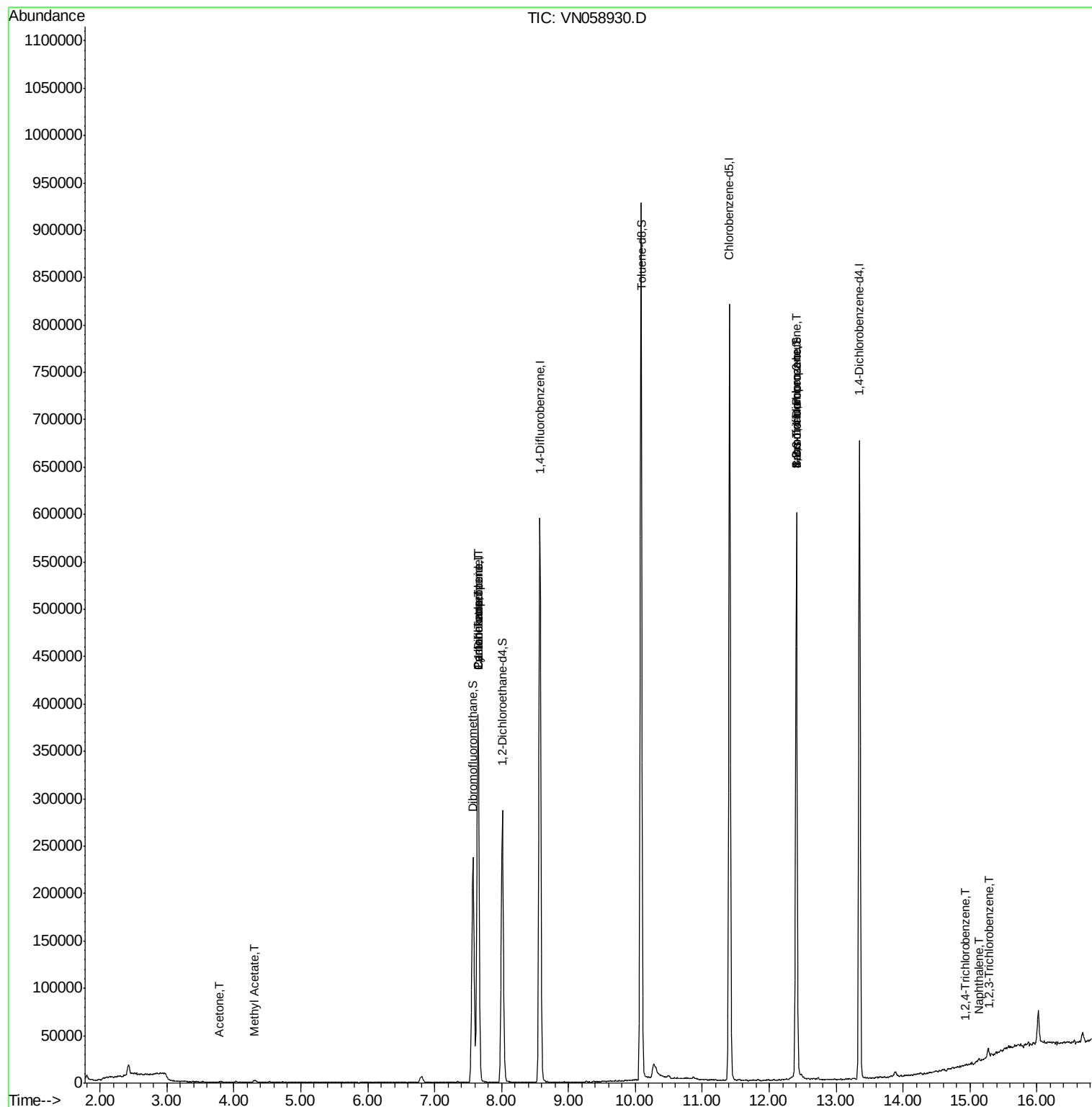
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	525	0.240	ug/l #	46
18) Methyl Acetate	4.31	43	4312	0.867	ug/l #	58
31) Cyclohexane	7.65	56	7417	1.165	ug/l #	5
36) 1,1-Dichloropropene	7.65	75	26504	5.087	ug/l #	50
38) Carbon Tetrachloride	7.65	117	30467	5.677	ug/l #	18
71) Bromoform	12.40	173	1132	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	109214	27.067	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	109214	70.511	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	104	2.549	ug/l #	1
95) Naphthalene	15.14	128	1345	2.354	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.30	180	287	2.475	ug/l #	68

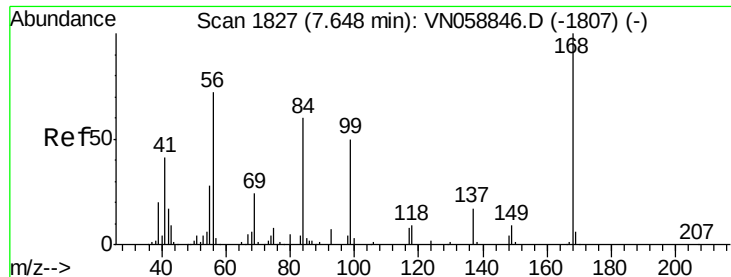
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

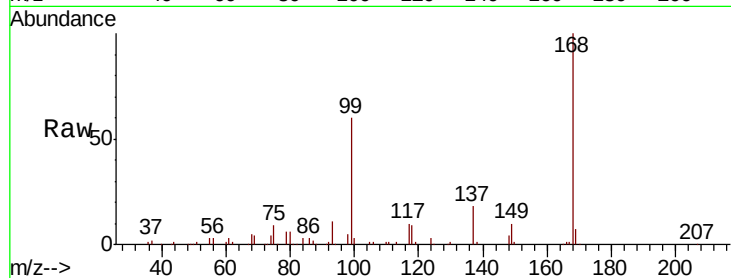
TB-01-191021

Tot Ion:168 Resp: 302012

Ion Ratio Lower Upper

168 100

99 59.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.65

150000

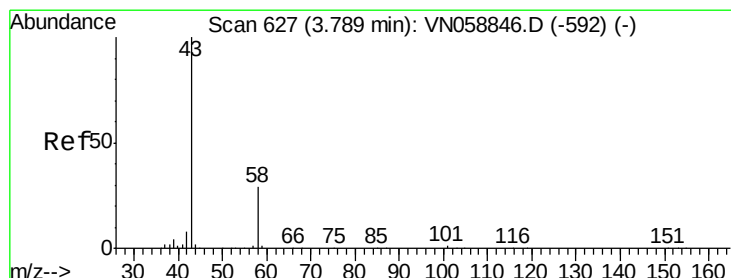
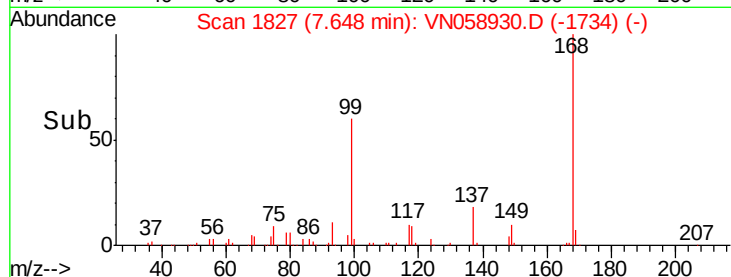
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 0.240 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058930.D

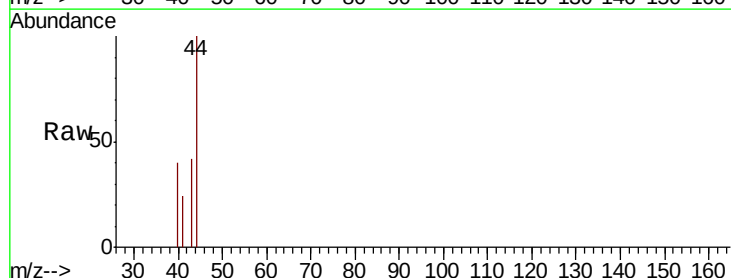
Acq: 23 Oct 2019 15:24

Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

3.79

300

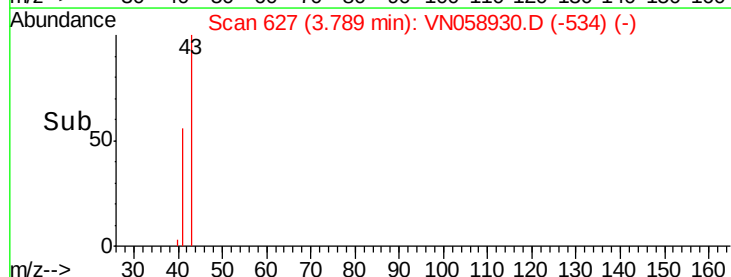
200

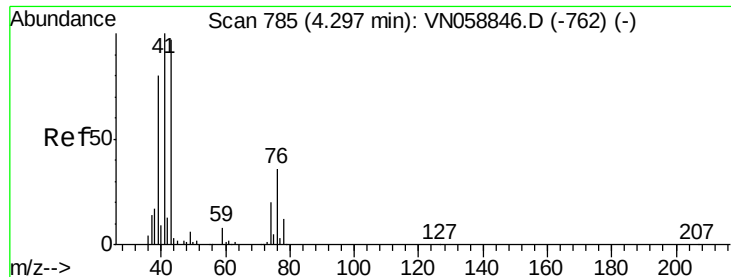
100

0

3.76 3.78 3.80 3.82

Time-->

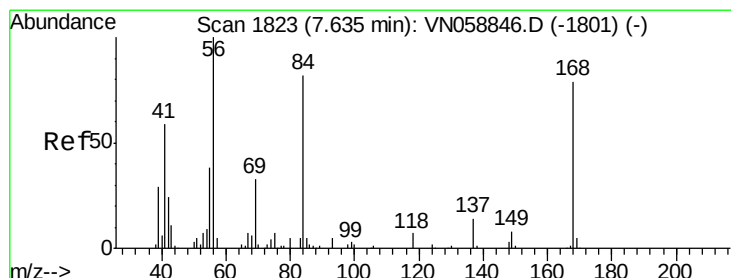
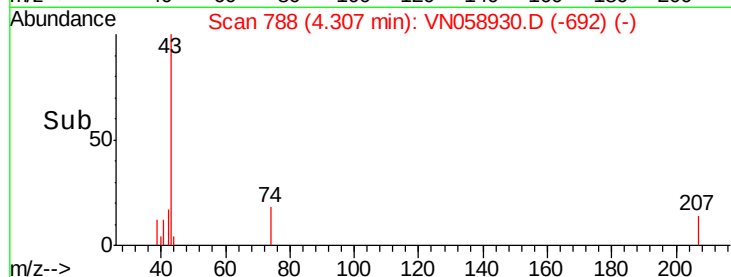
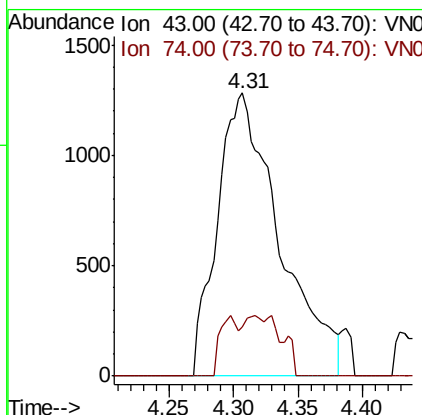
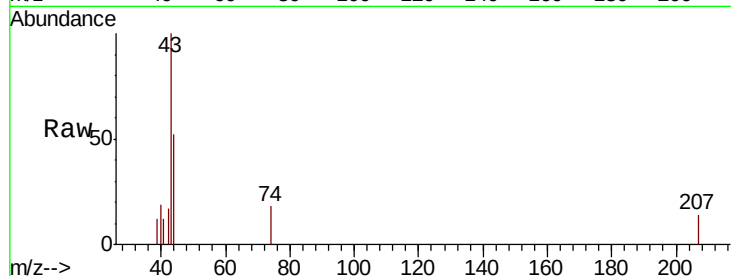




#18
Methvl Acetate
Concen: 0.867 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058930.D
Acq: 23 Oct 2019 15:24

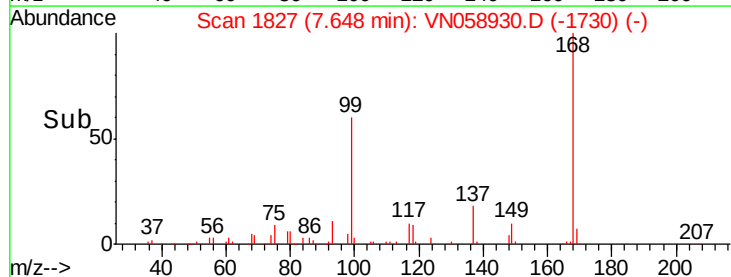
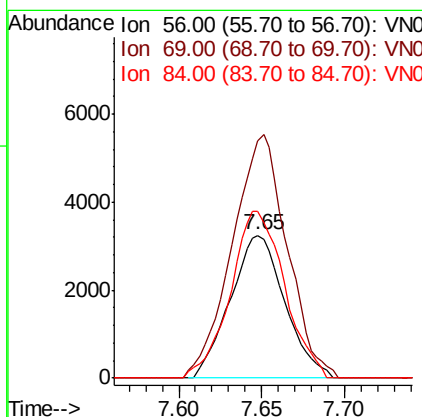
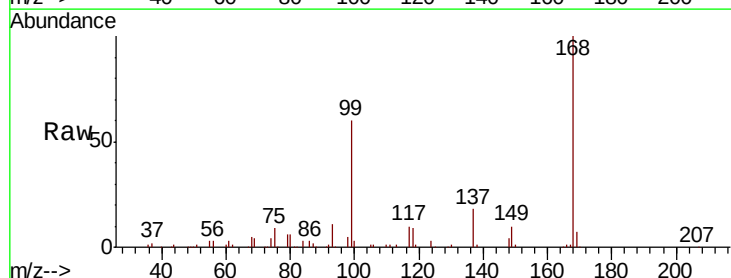
Instrument :
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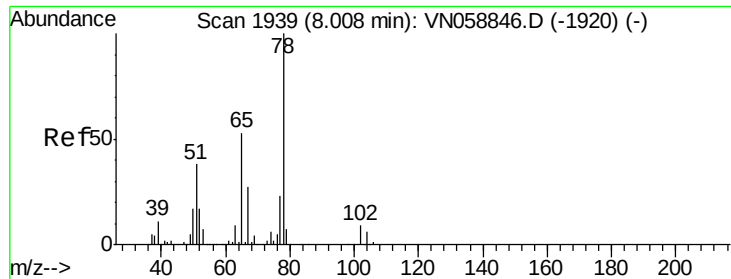
Tot Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
74 1.7 17.1 25.7#



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058930.D
Acq: 23 Oct 2019 15:24

Tgt Ion: 56 Resp: 7417
Ion Ratio Lower Upper
56 100
69 166.0 26.2 39.4#
84 117.0 65.6 98.4#

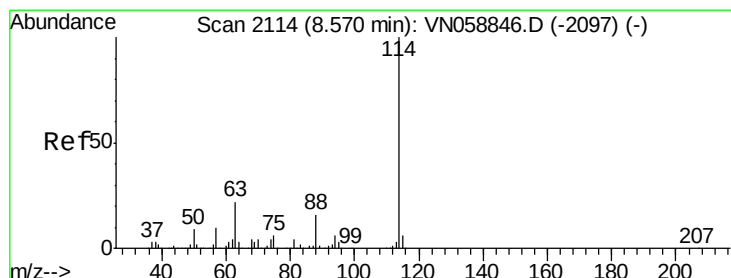
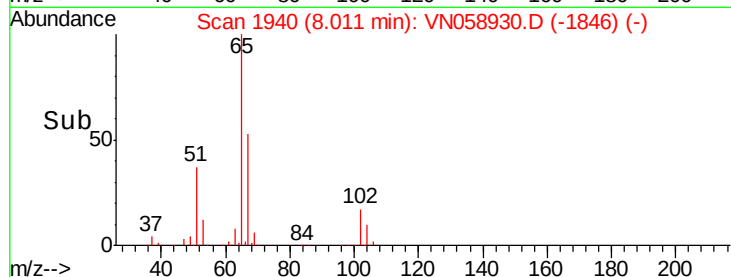
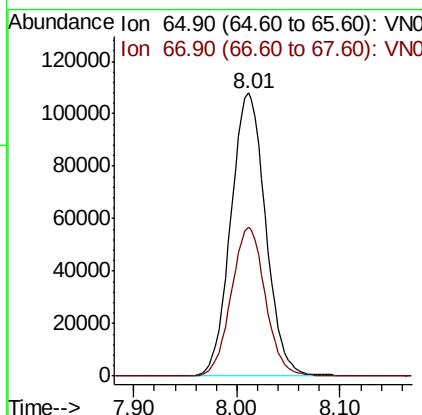
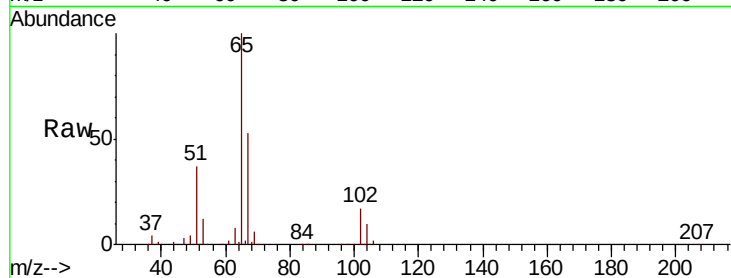




#33
 1,2-Dichloroethane-d4
 Concen: 57.137 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058930.D
 Acq: 23 Oct 2019 15:24

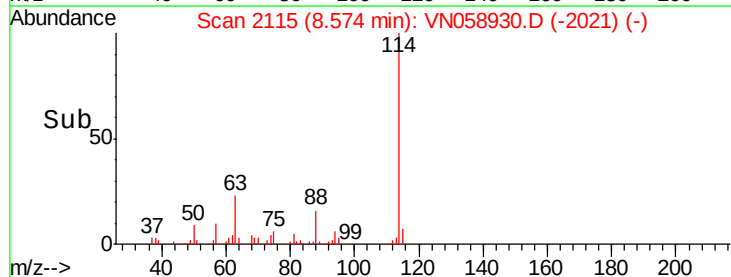
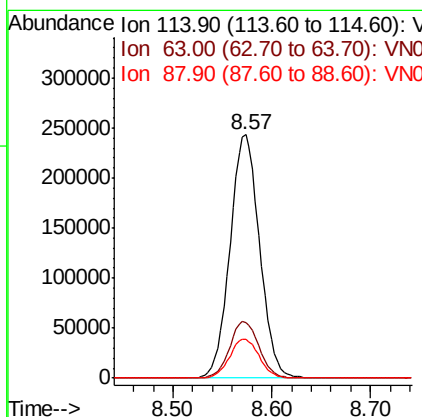
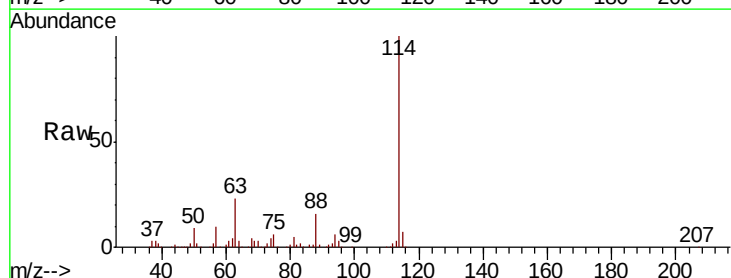
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-191021

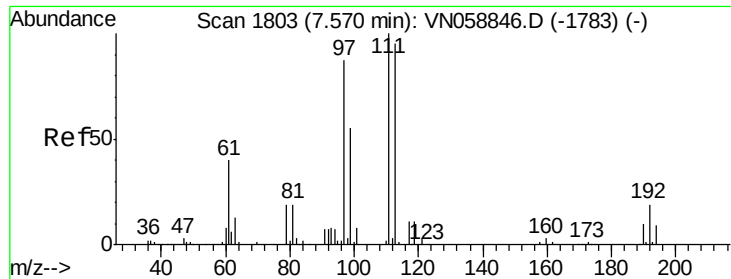
Tot Ion: 65 Resp: 253086
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058930.D
 Acq: 23 Oct 2019 15:24

Tgt Ion: 114 Resp: 508868
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.347 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

TB-01-191021

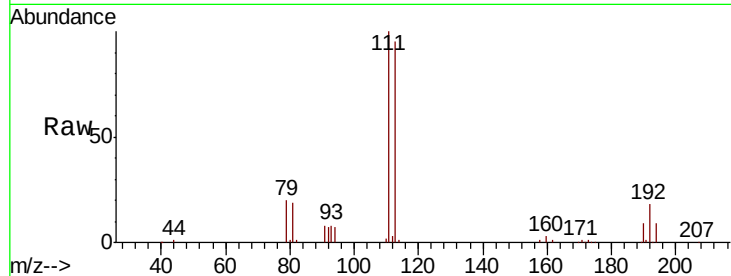
Tot Ion:113 Resp: 178482

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

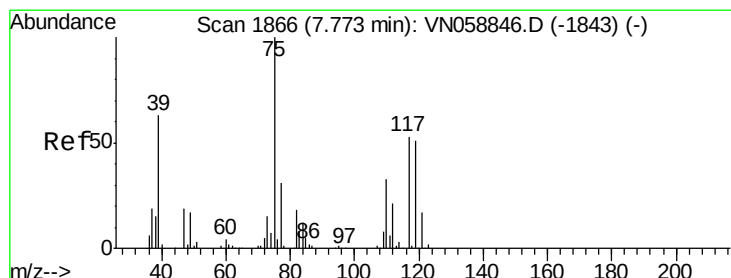
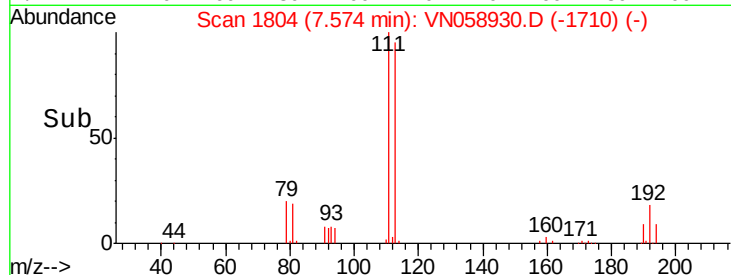
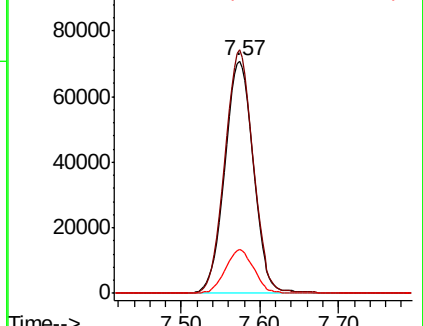
192 18.6 15.0 22.6



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: 5.087 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

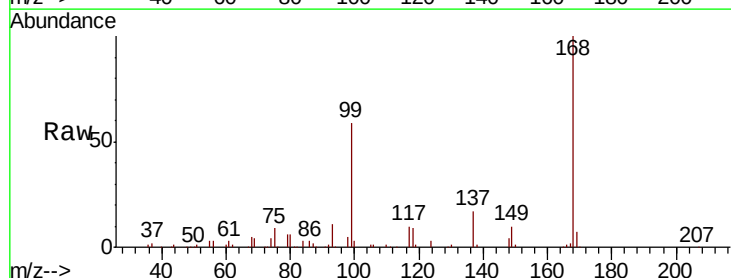
Tgt Ion: 75 Resp: 26504

Ion Ratio Lower Upper

75 100

110 8.1 16.3 48.9#

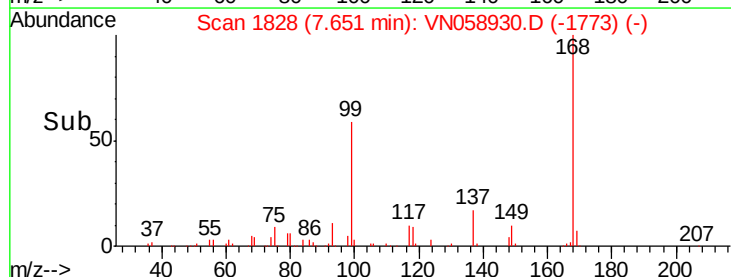
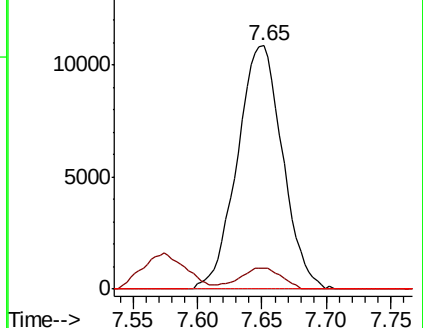
77 0.0 24.6 36.8#

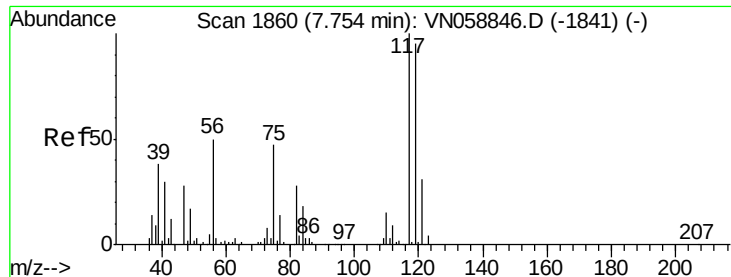


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.677 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

Instrument :

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TB-01-191021

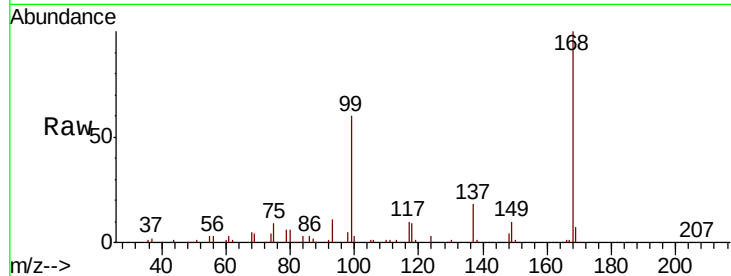
Tot Ion:117 Resp: 30467

Ion Ratio Lower Upper

117 100

119 7.6 75.7 113.5#

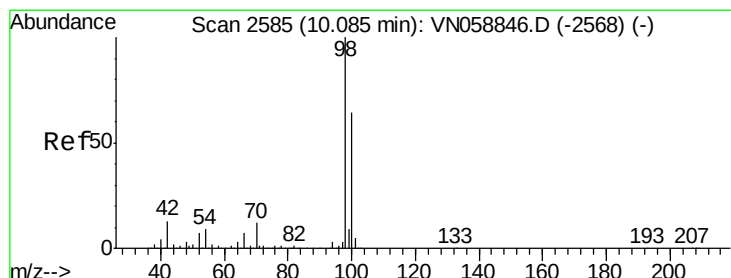
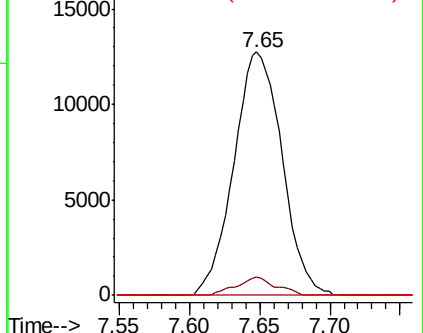
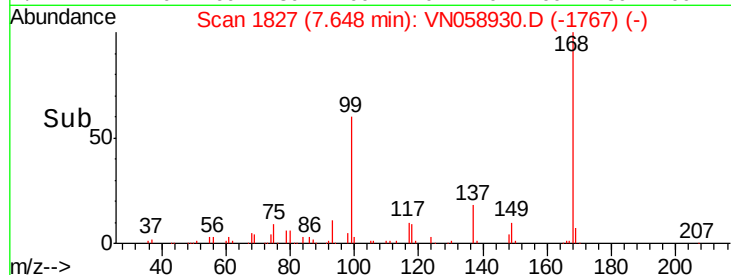
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 48.284 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058930.D

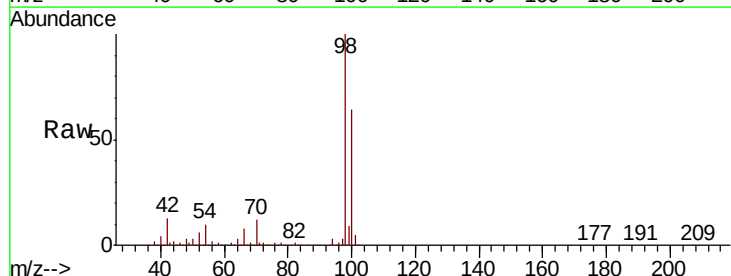
Acq: 23 Oct 2019 15:24

Tgt Ion: 98 Resp: 627089

Ion Ratio Lower Upper

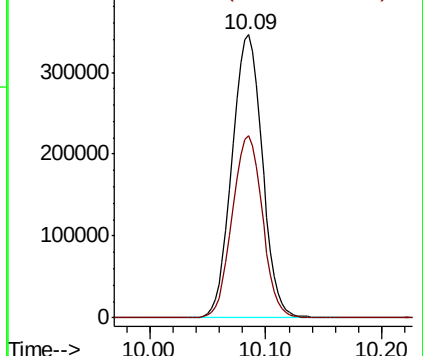
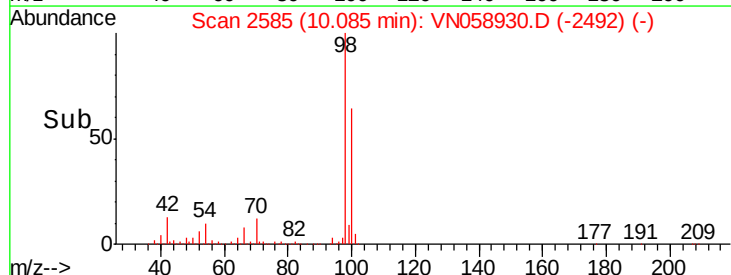
98 100

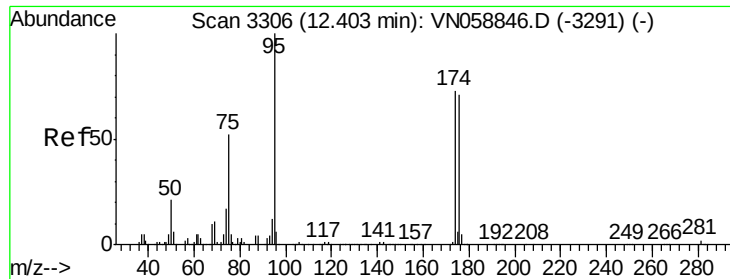
100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

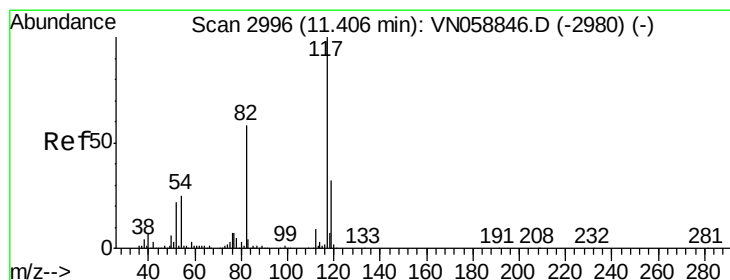
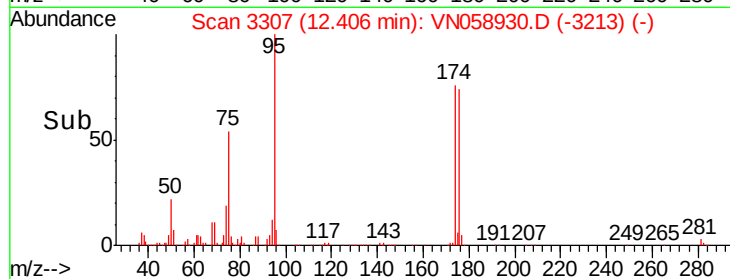
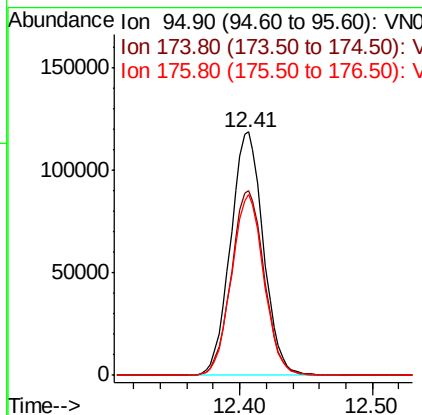
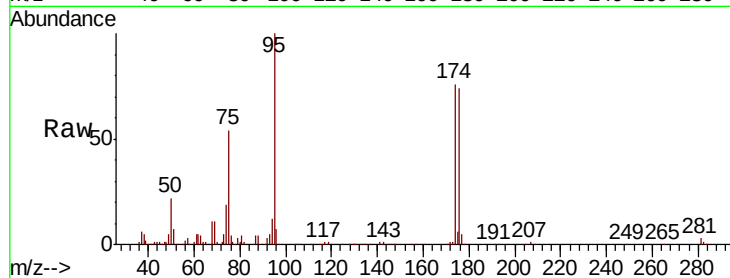




#62
4-Bromofluorobenzene
Concen: 42.785 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058930.D
Acq: 23 Oct 2019 15:24

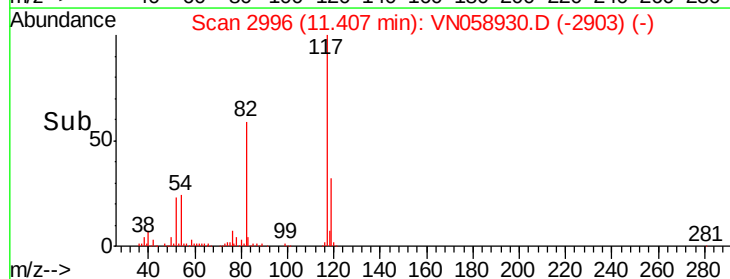
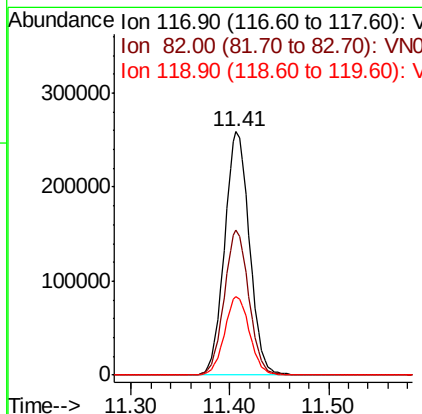
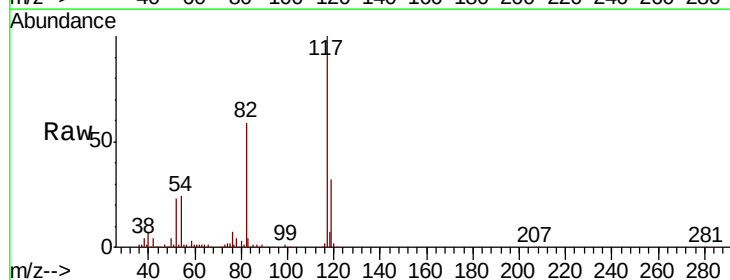
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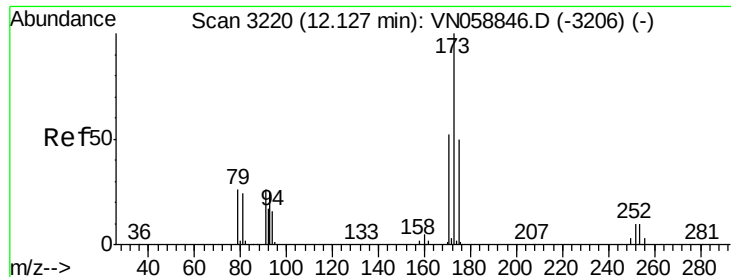
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	147.6
176	73.2	0.0	143.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058930.D
Acq: 23 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.6	69.8
119	32.2	25.6	38.4





#71

Bromoform

Concen: 0.414 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

TB-01-191021

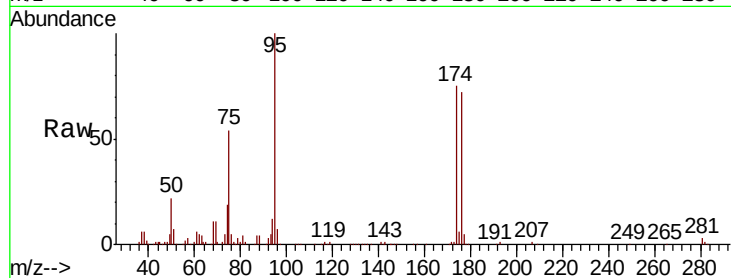
Tot Ion:173 Resp: 1132

Ion Ratio Lower Upper

173 100

175 787.8 24.7 74.1#

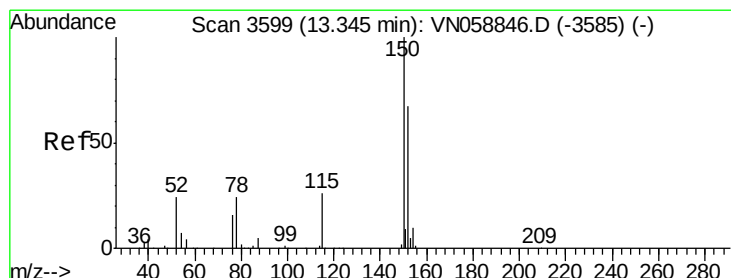
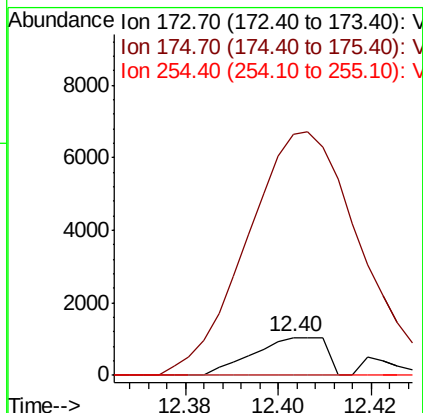
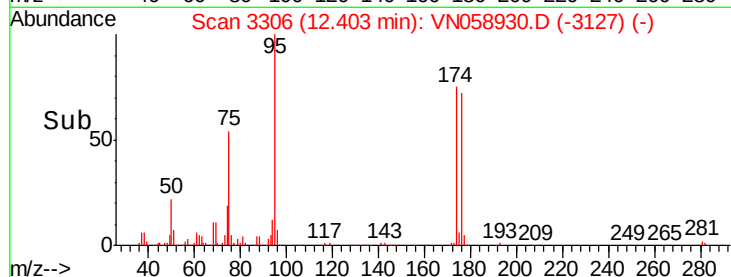
254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

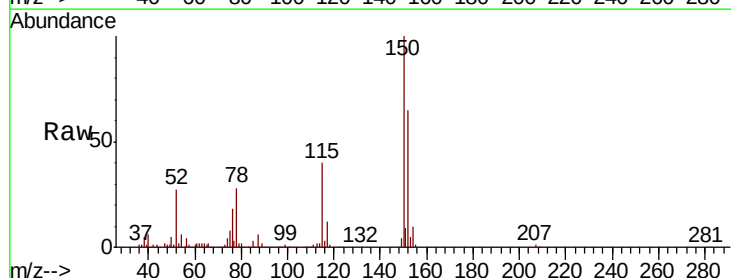
Tgt Ion:152 Resp: 174101

Ion Ratio Lower Upper

152 100

115 62.0 30.5 91.5

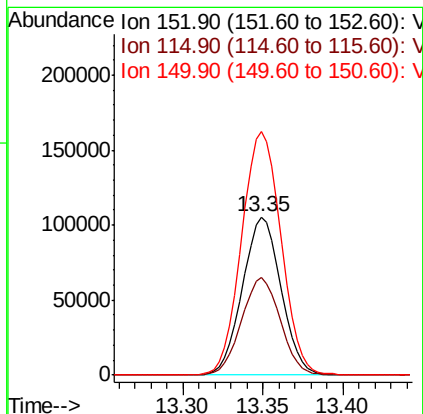
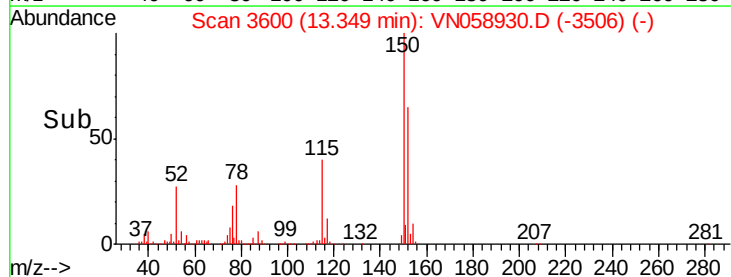
150 157.8 0.0 344.4

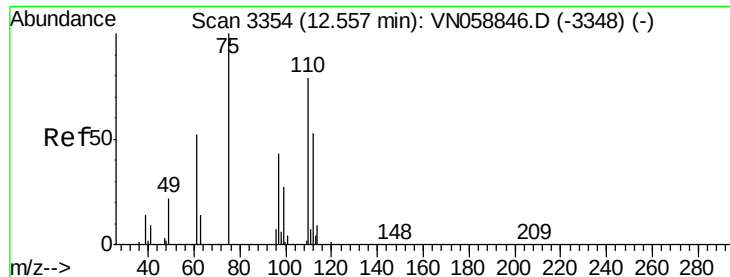


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.067 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

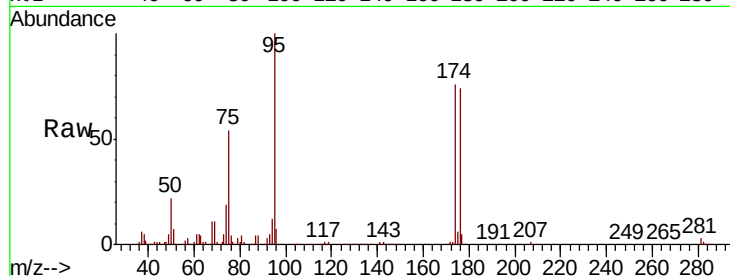
TB-01-191021

Tot Ion: 75 Resp: 109214

Ion Ratio Lower Upper

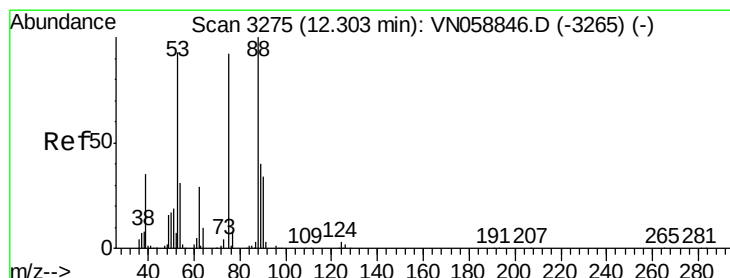
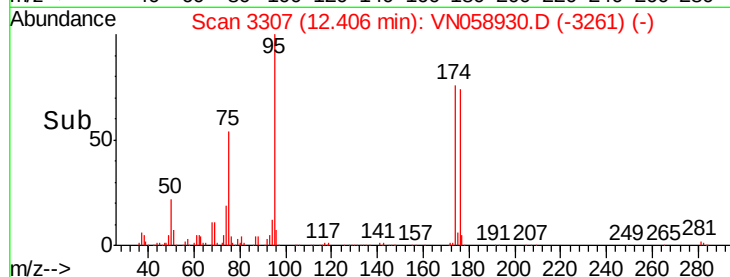
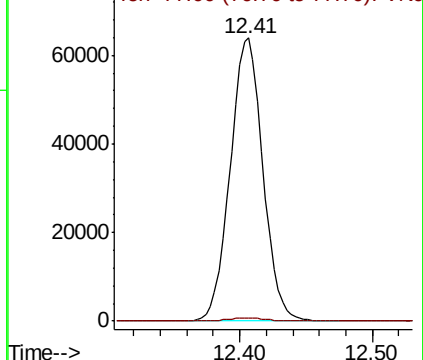
75 100

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: 70.511 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058930.D

Acq: 23 Oct 2019 15:24

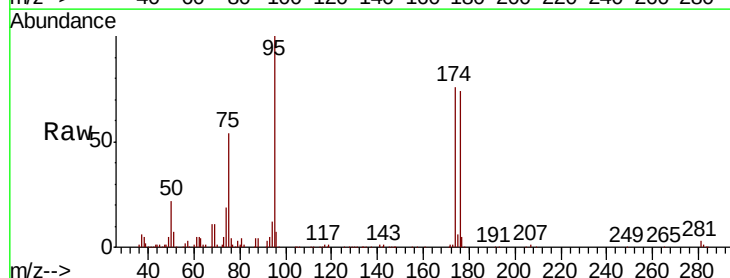
Tgt Ion: 75 Resp: 109214

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

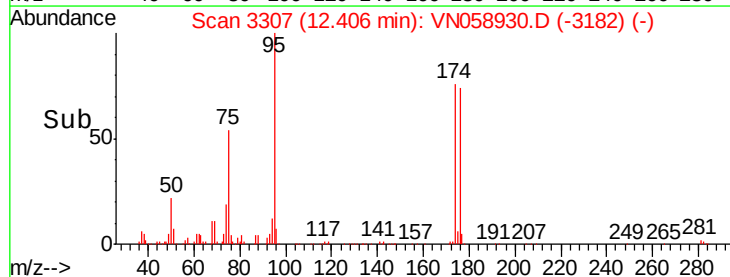
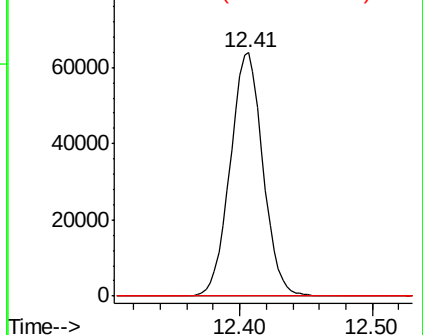
89 0.0 35.4 53.0#

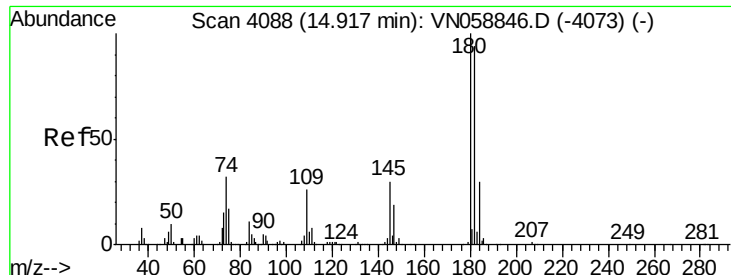


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

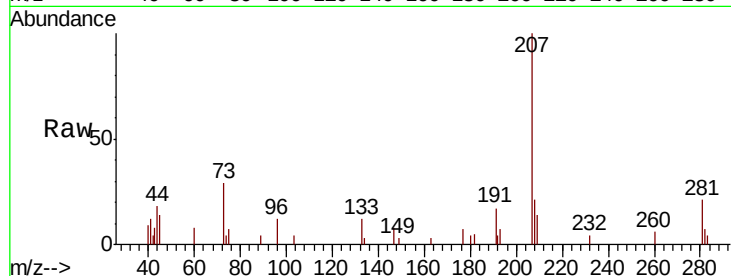




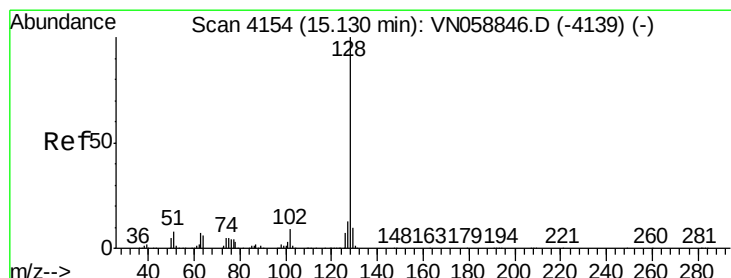
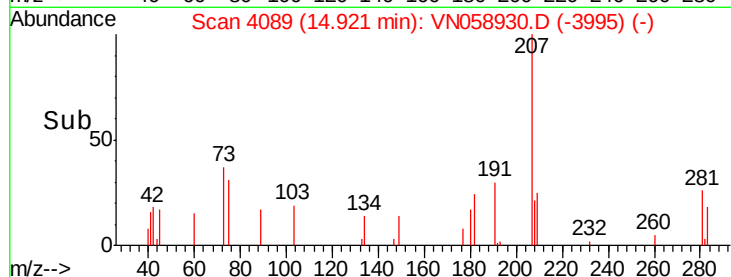
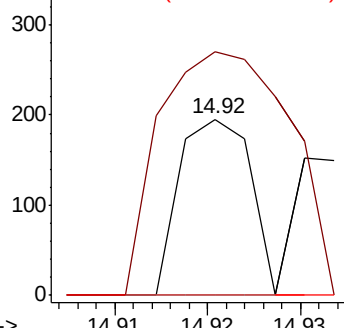
#93
 1,2,4-Trichlorobenzene
 Concen: 2.549 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058930.D
 Acq: 23 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 TB-01-191021

Tot Ion	Ratio	Lower	Upper
180	100		
182	253.8	47.3	142.0#
145	0.0	15.3	45.8#

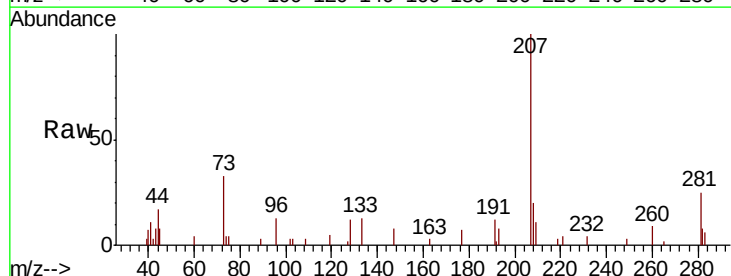


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

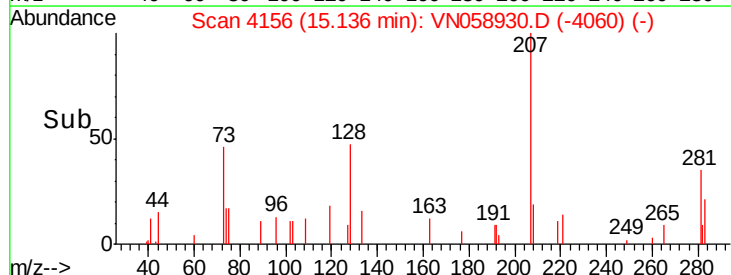
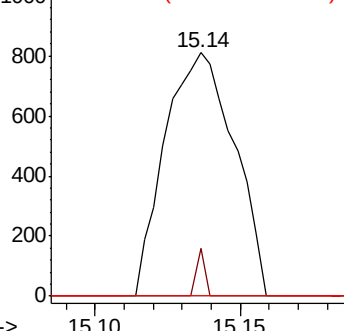


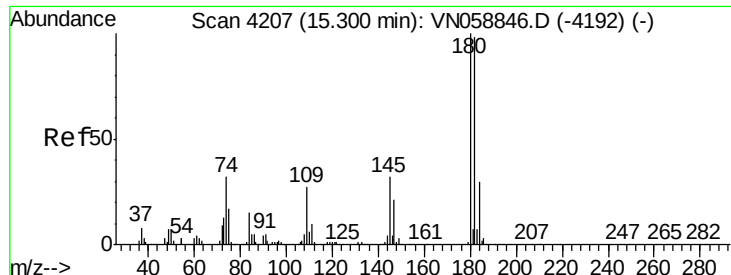
#95
 Naphthalene
 Concen: 2.354 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058930.D
 Acq: 23 Oct 2019 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	2.3	10.2	15.2#
129	0.0	8.4	12.6#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.475 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN058930.D
 Acq: 23 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-191021

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.8	47.9	143.7
145	0.0	15.9	47.7#

