

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058943.D
 Acq On : 23 Oct 2019 20:11
 Operator : JC/SP
 Sample : K5489-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MAIN-STOCKPILE-SLP

Quant Time: Oct 24 01:16:56 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	312466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	494535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	151805	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	232359	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	165487	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.08	98	608260	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	186882	40.32	ug/l	0.00
Spiked Amount			Recovery	=	80.64%	

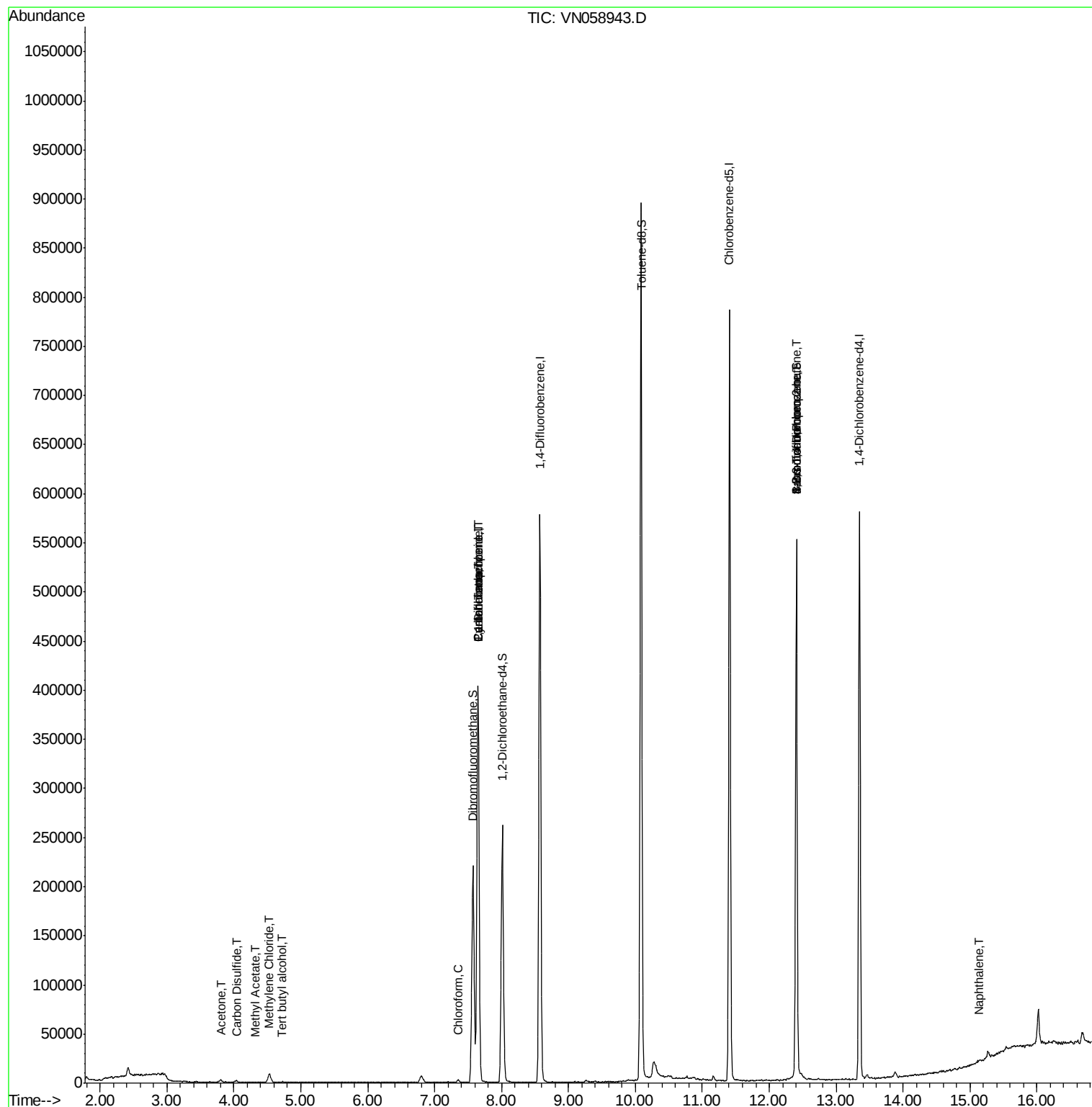
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	470	0.618	ug/l #	72
16) Acetone	3.80	43	4129	1.823	ug/l #	85
17) Carbon Disulfide	4.04	76	3590	0.362	ug/l #	75
18) Methyl Acetate	4.32	43	1405	0.273	ug/l #	55
20) Methylene Chloride	4.54	84	6659	1.722	ug/l	94
30) Chloroform	7.35	83	2642	0.373	ug/l	87
31) Cyclohexane	7.65	56	8058	1.224	ug/l #	7
36) 1,1-Dichloropropene	7.65	75	27108	5.354	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30930	5.930	ug/l #	16
71) Bromoform	12.41	173	1130	0.436	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101354	28.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	101354	75.047	ug/l #	10
95) Naphthalene	15.14	128	866	2.321	ug/l #	74

(#) = 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: VN058943.D

Acq: 23 Oct 2019 20:11

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MSVOA_N

ClientSampleId :

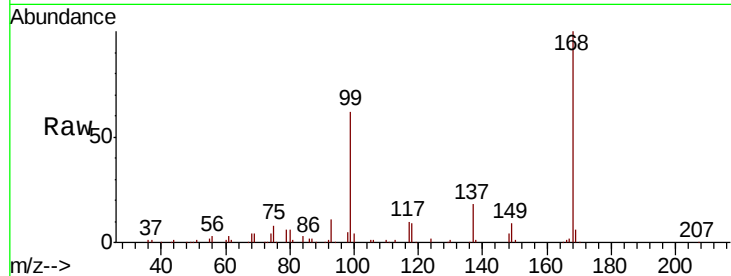
MAIN-STOCKPILE-SLP

Tot Ion:168 Resp: 312466

Ion Ratio Lower Upper

168 100

99 62.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

150000

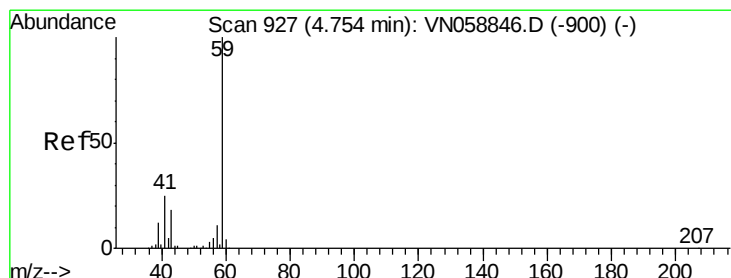
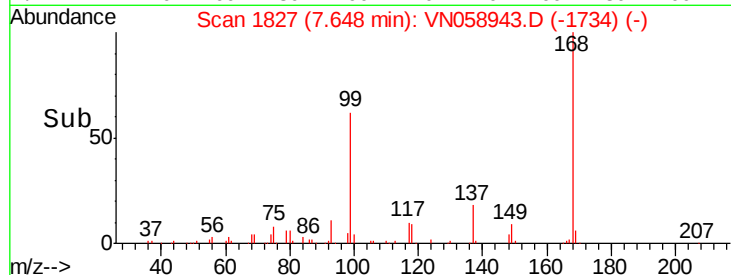
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.618 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.03 min

Lab File: VN058943.D

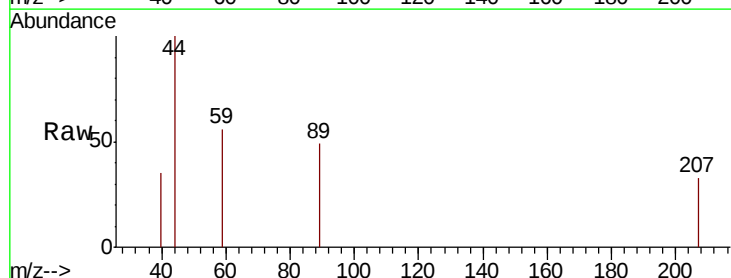
Acq: 23 Oct 2019 20:11

Tgt Ion: 59 Resp: 470

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN058846.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN058846.D (-900) (-)

4.73

400

300

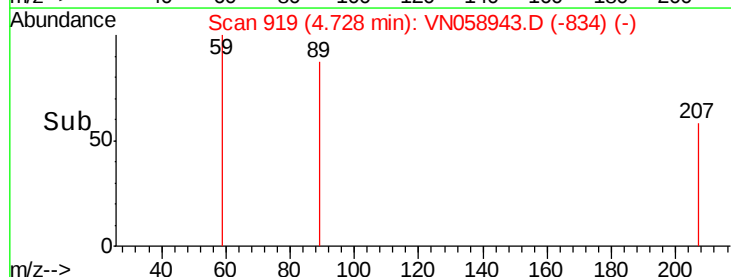
200

100

0

4.70 4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 1.823 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

MSVOA_N

ClientSampleId :

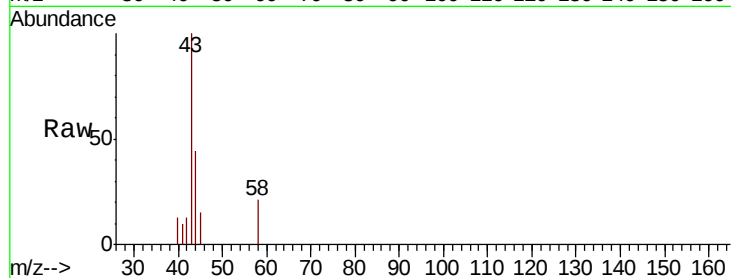
MAIN-STOCKPILE-SLP

Tot Ion: 43 Resp: 4129

Ion Ratio Lower Upper

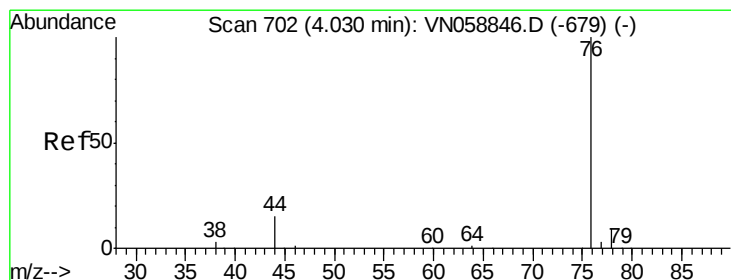
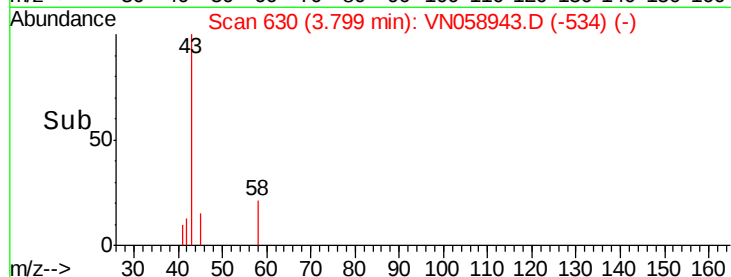
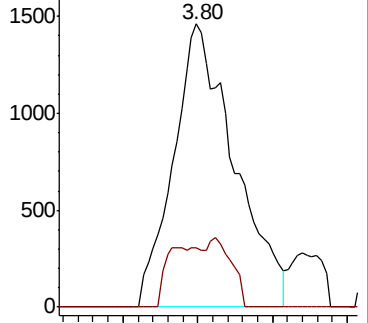
43 100

58 20.9 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)



#17

Carbon Disulfide

Concen: 0.362 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058943.D

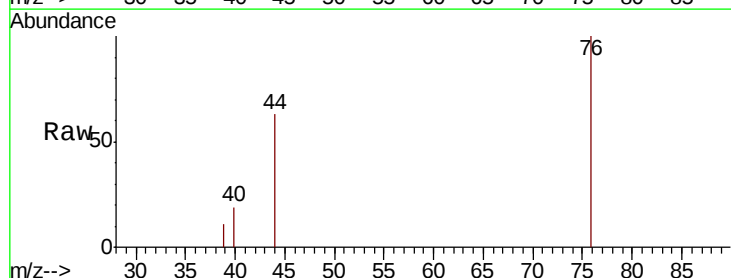
Acq: 23 Oct 2019 20:11

Tgt Ion: 76 Resp: 3590

Ion Ratio Lower Upper

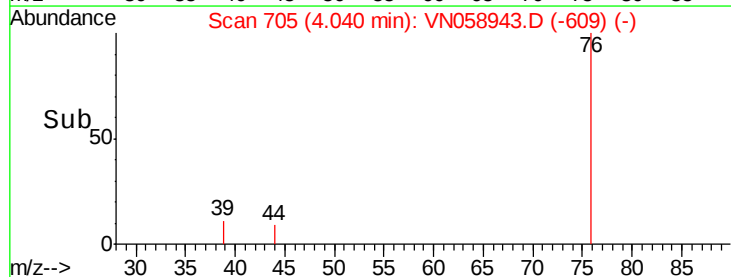
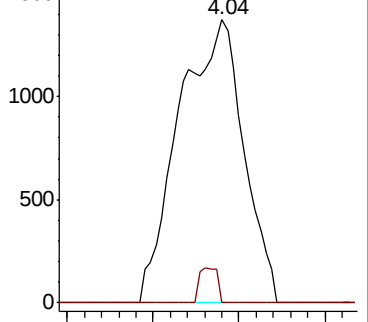
76 100

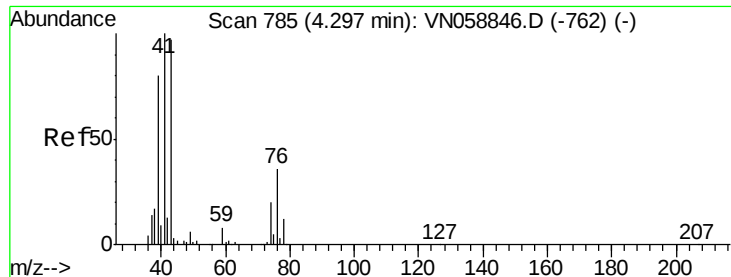
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

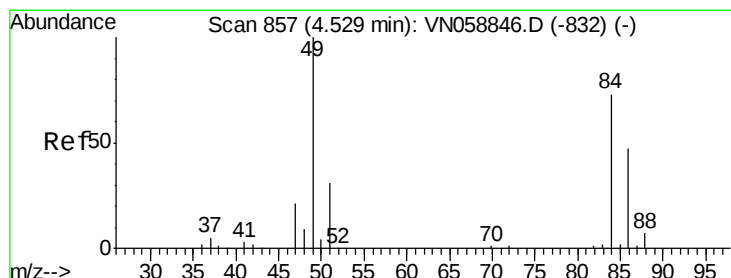
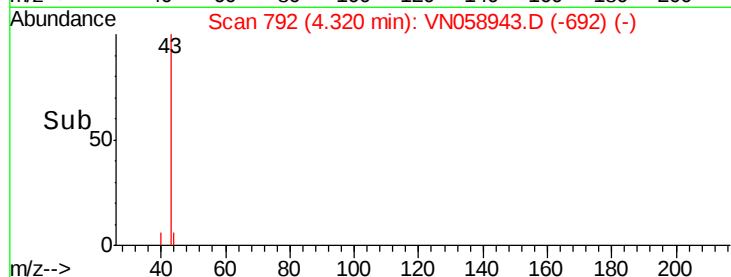
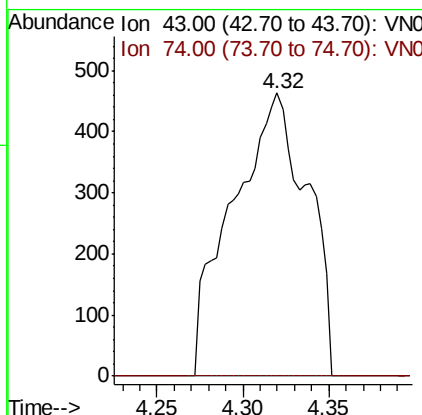
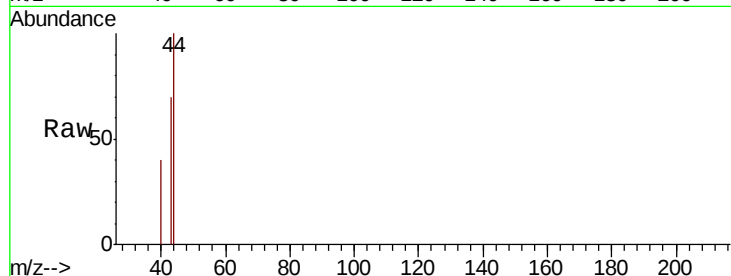




#18
Methvl Acetate
Concen: 0.273 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058943.D
Acq: 23 Oct 2019 20:11

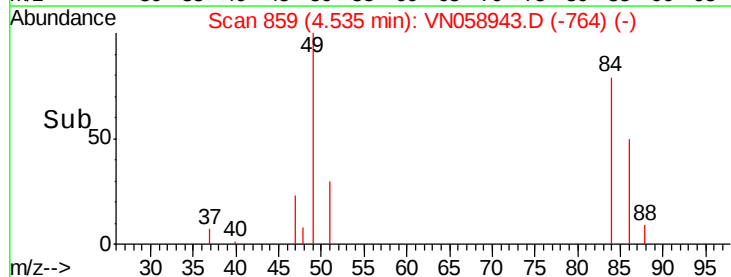
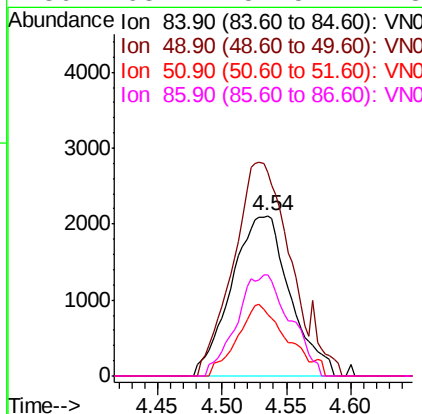
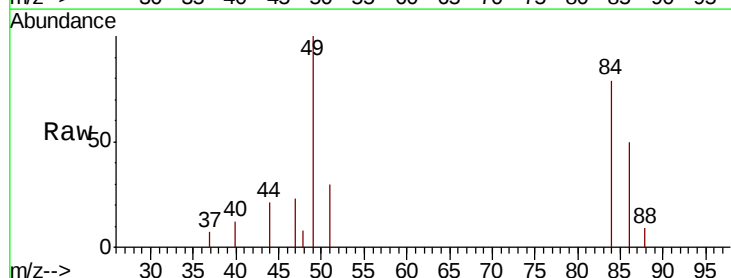
Instrument :
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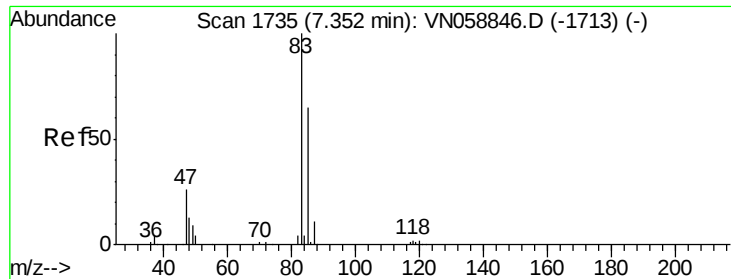
Tot Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
74 0.0 17.1 25.7#



#20
Methylene Chloride
Concen: 1.722 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058943.D
Acq: 23 Oct 2019 20:11

Tgt Ion: 84 Resp: 6659
Ion Ratio Lower Upper
84 100
49 126.8 109.6 164.4
51 38.0 33.8 50.6
86 63.2 51.5 77.3

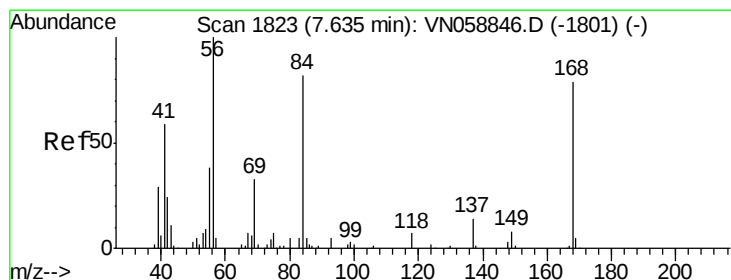
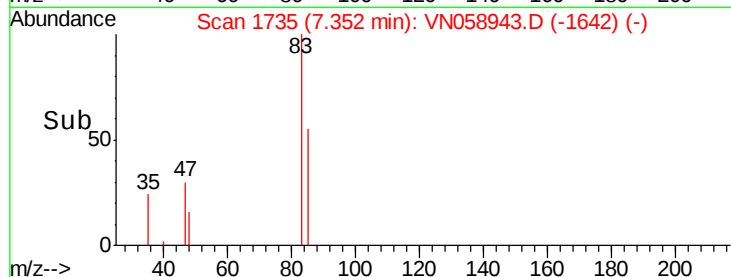
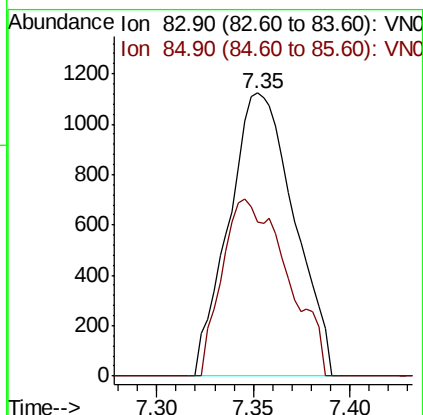
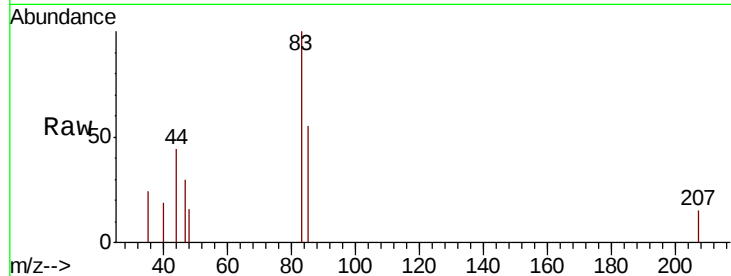




#30
Chloroform
Concen: 0.373 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058943.D
Acq: 23 Oct 2019 20:11

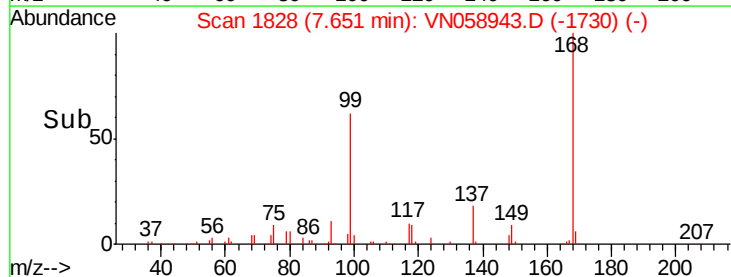
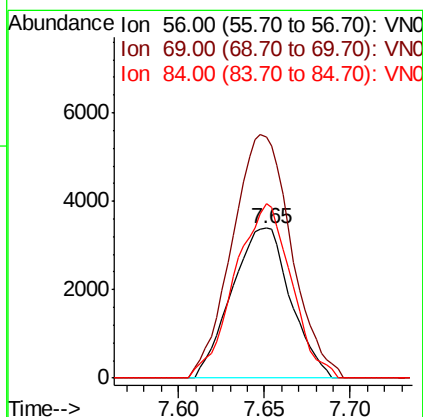
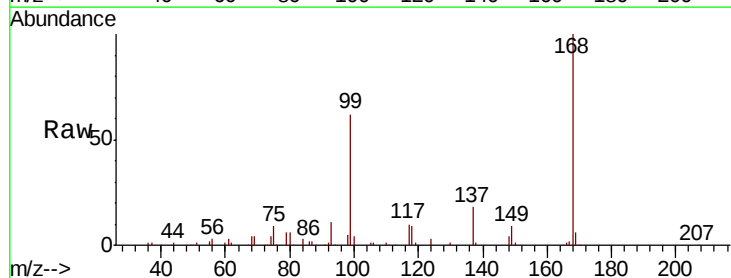
Instrument :
MSVOA_N
ClientSampleId :
MAIN-STOCKPILE-SLP

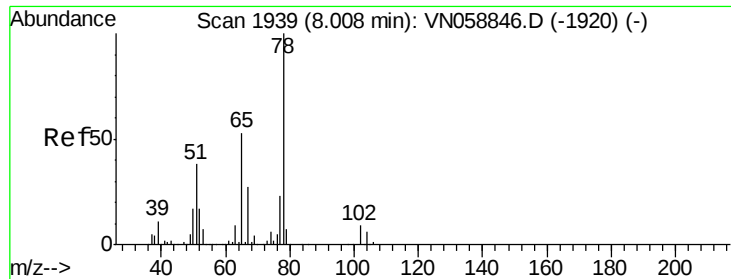
Tot Ion: 83 Resp: 2642
Ion Ratio Lower Upper
83 100
85 54.6 51.9 77.9



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058943.D
Acq: 23 Oct 2019 20:11

Tgt Ion: 56 Resp: 8058
Ion Ratio Lower Upper
56 100
69 160.6 26.2 39.4#
84 116.9 65.6 98.4#

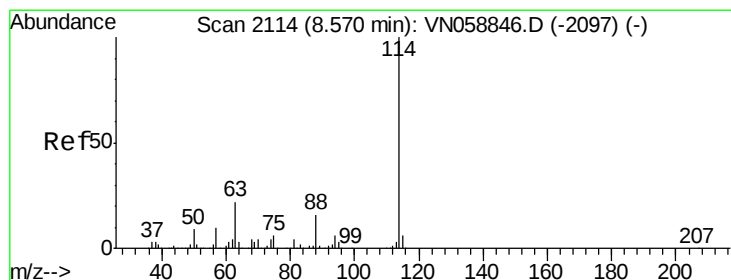
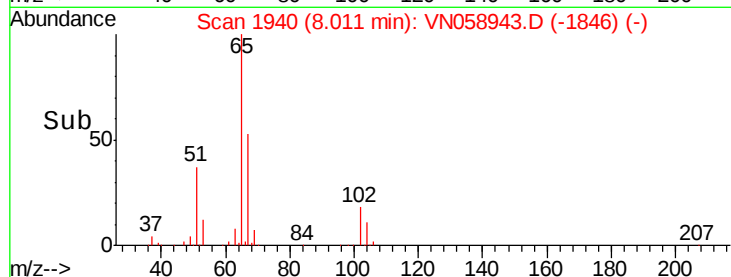
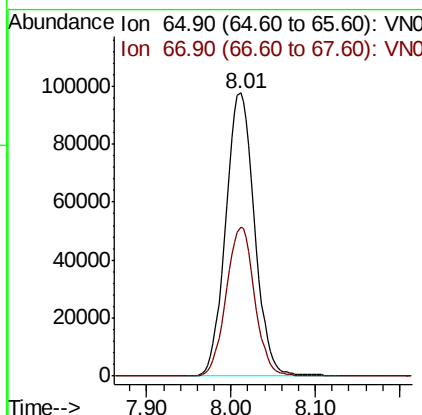
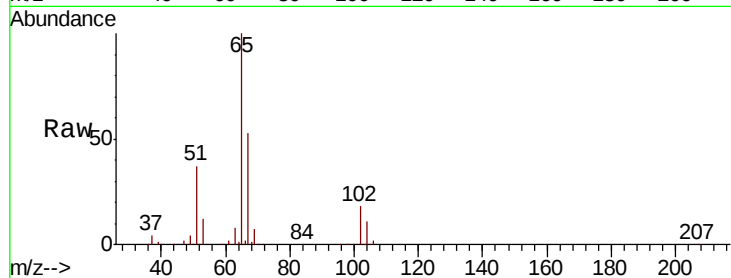




#33
 1,2-Dichloroethane-d4
 Concen: 50.702 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058943.D
 Acq: 23 Oct 2019 20:11

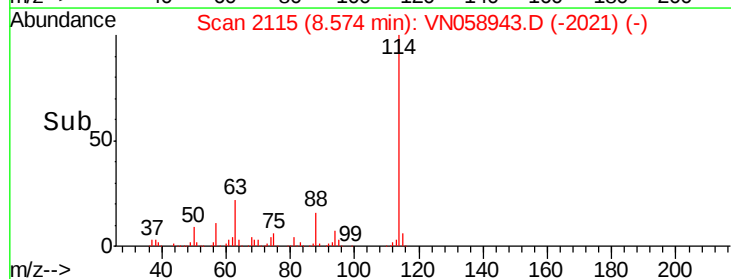
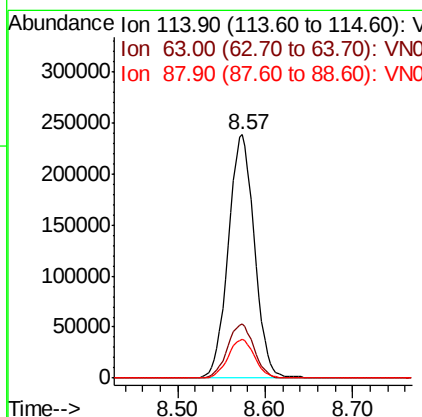
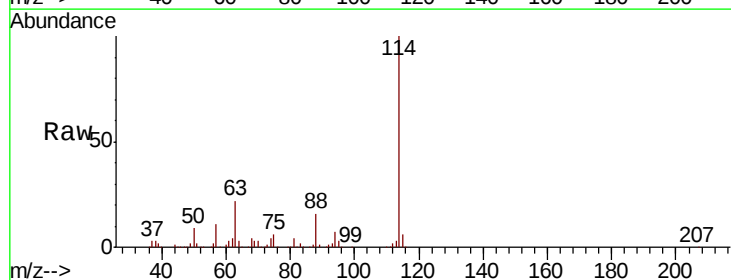
Instrument :
 MSVOA_N
 ClientSampleId :
 MAIN-STOCKPILE-SLP

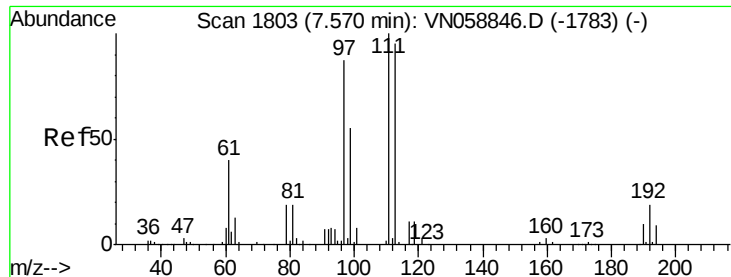
Tot Ion: 65 Resp: 232359
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058943.D
 Acq: 23 Oct 2019 20:11

Tgt Ion: 114 Resp: 494535
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.4
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.897 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

MSVOA_N

ClientSampleId :

MAIN-STOCKPILE-SLP

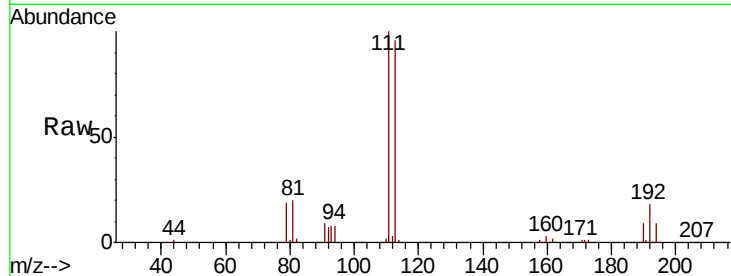
Tot Ion:113 Resp: 165487

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

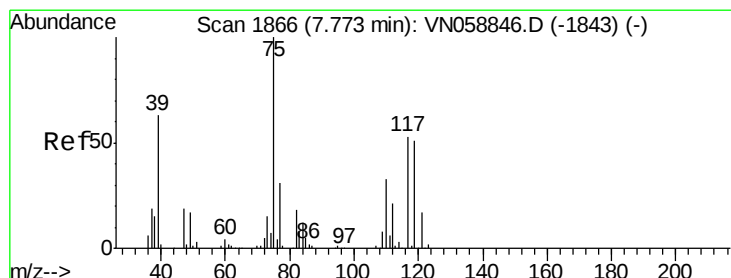
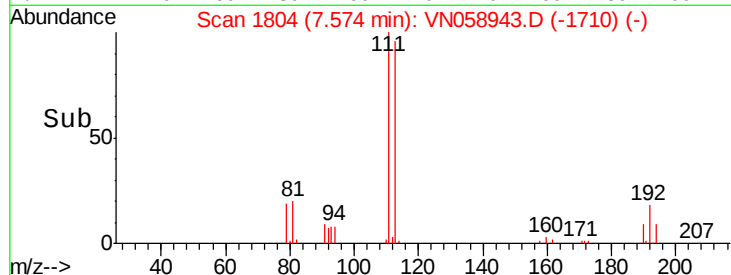
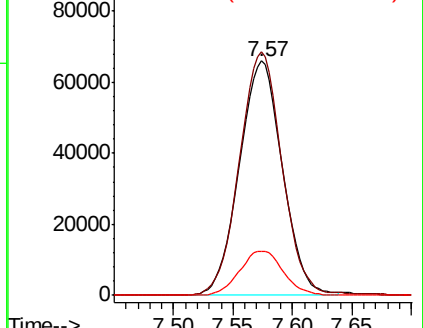
192 19.2 15.0 22.6



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: 5.354 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

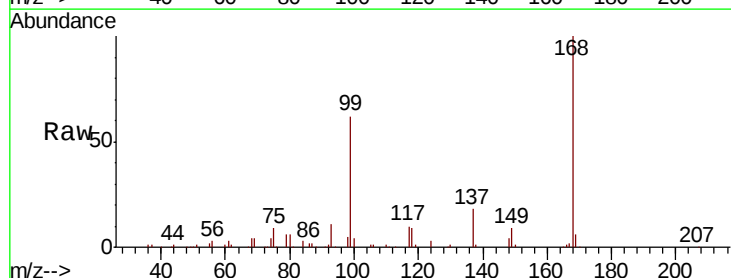
Tgt Ion: 75 Resp: 27108

Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

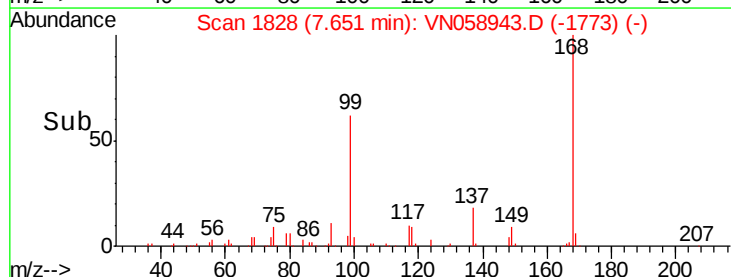
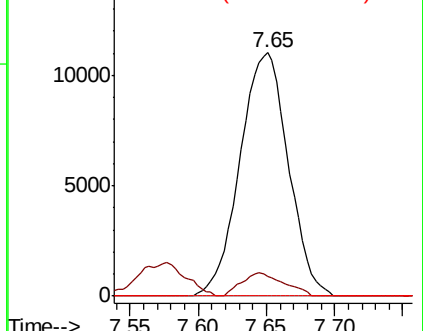
77 0.0 24.6 36.8#

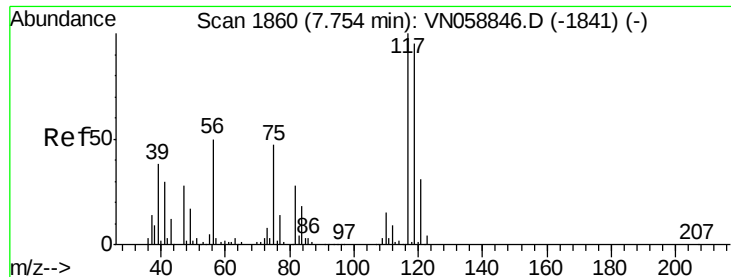


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

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MAIN-STOCKPILE-SLP

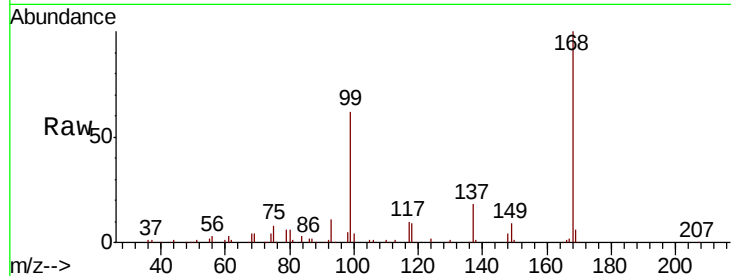
Tot Ion:117 Resp: 30930

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

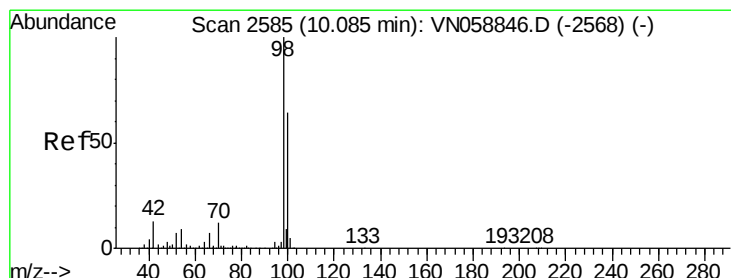
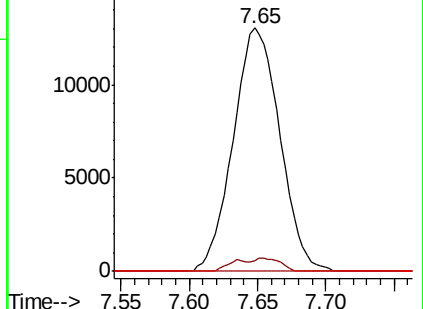
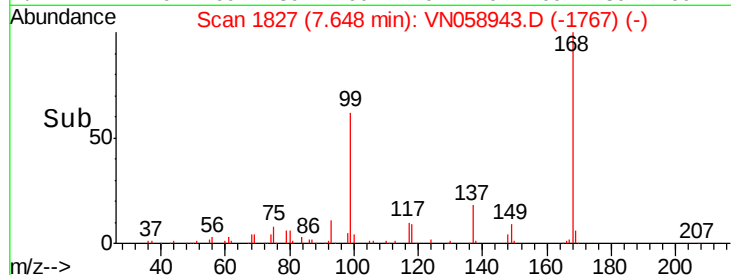
121 0.0 25.0 37.6#



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: 48.192 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058943.D

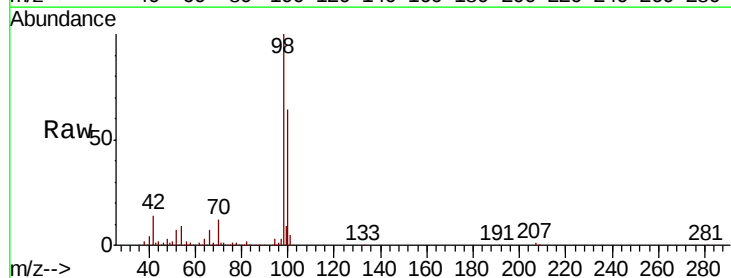
Acq: 23 Oct 2019 20:11

Tgt Ion: 98 Resp: 608260

Ion Ratio Lower Upper

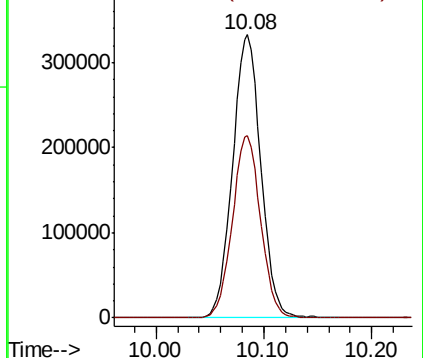
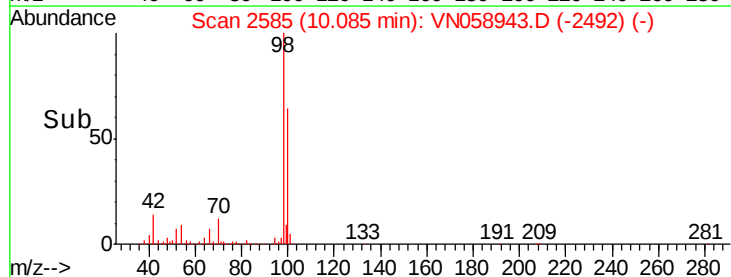
98 100

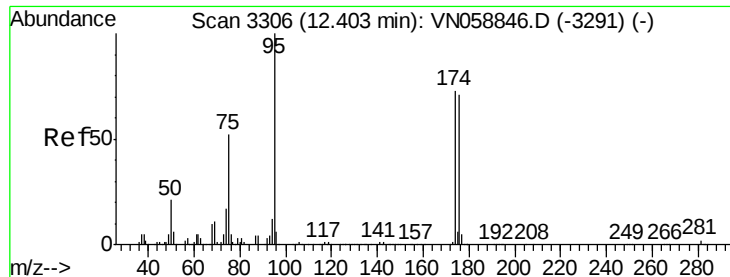
100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 40.320 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

MSVOA_N

ClientSampleId :

MAIN-STOCKPILE-SLP

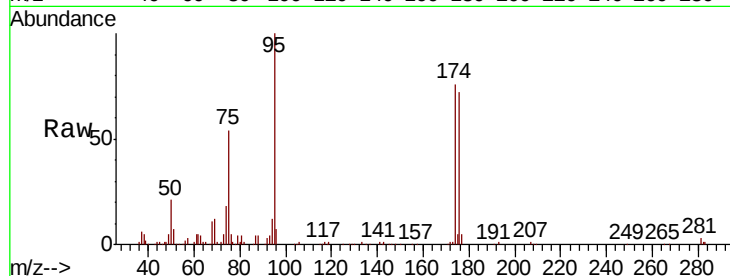
Tot Ion: 95 Resp: 186882

Ion Ratio Lower Upper

95 100

174 76.6 0.0 147.6

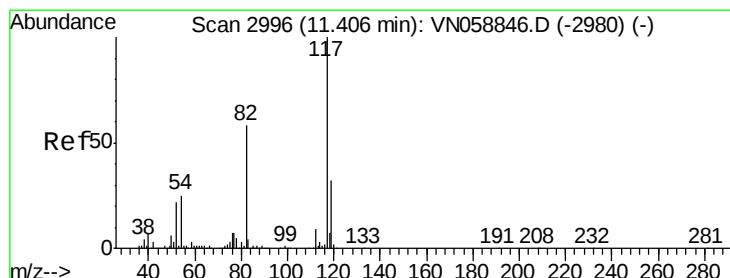
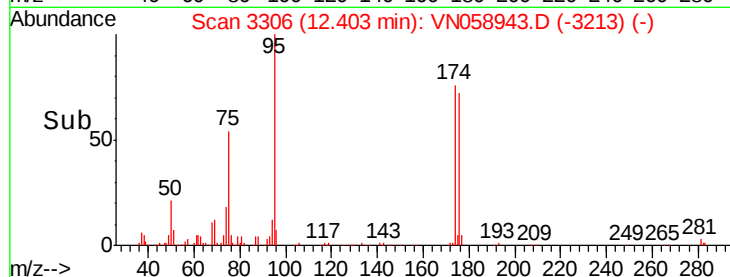
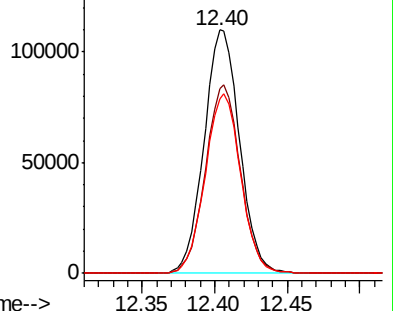
176 73.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

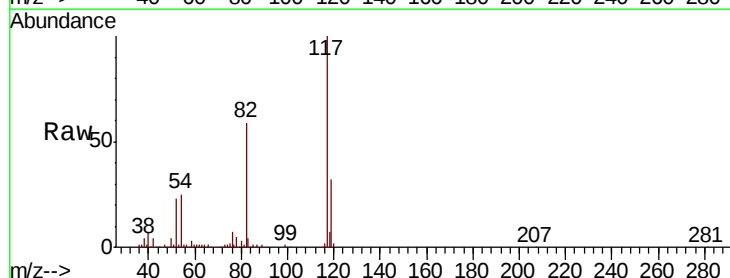
Tgt Ion: 117 Resp: 435339

Ion Ratio Lower Upper

117 100

82 59.0 46.6 69.8

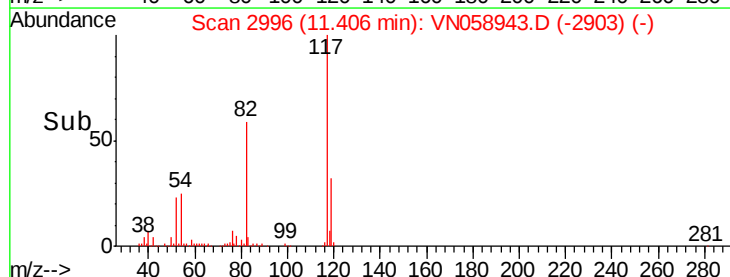
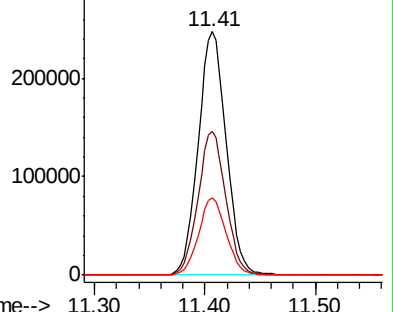
119 31.6 25.6 38.4

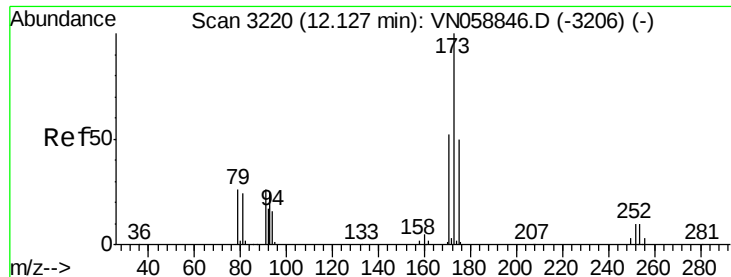


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)





#71

Bromoform

Concen: 0.436 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

MSVOA_N

ClientSampleId :

MAIN-STOCKPILE-SLP

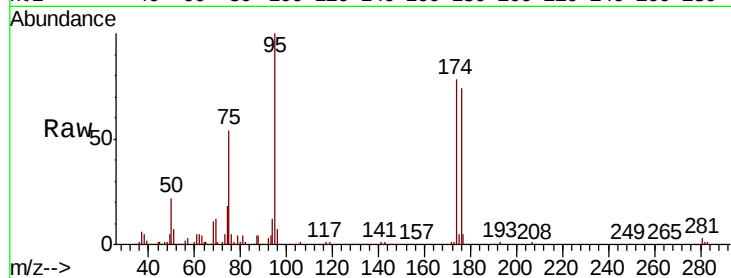
Tot Ion:173 Resp: 1130

Ion Ratio Lower Upper

173 100

175 714.6 24.7 74.1#

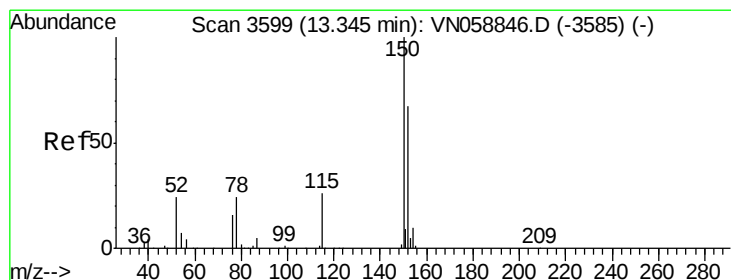
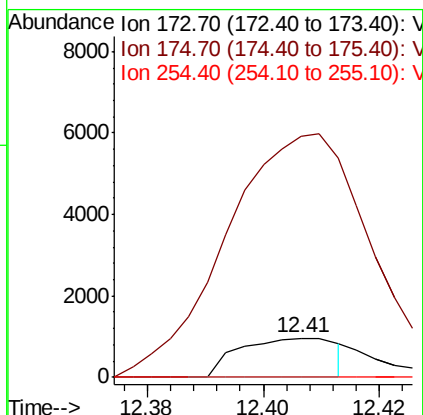
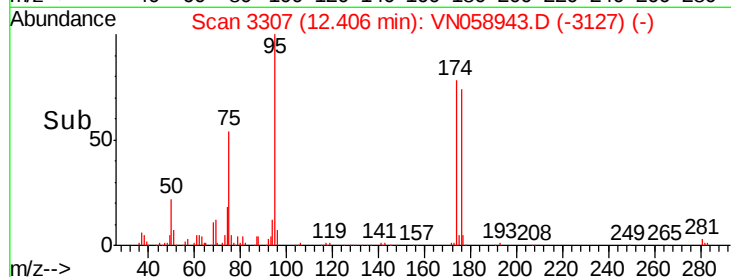
254 0.0 0.0 0.0



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: VN058943.D

Acq: 23 Oct 2019 20:11

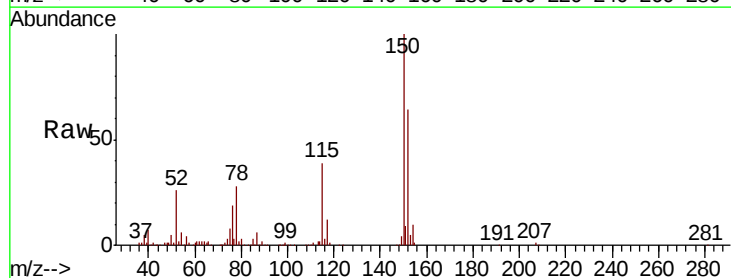
Tgt Ion:152 Resp: 151805

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

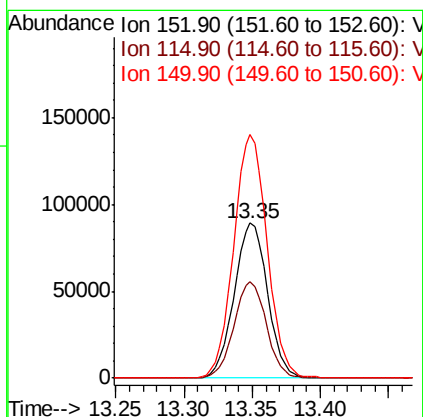
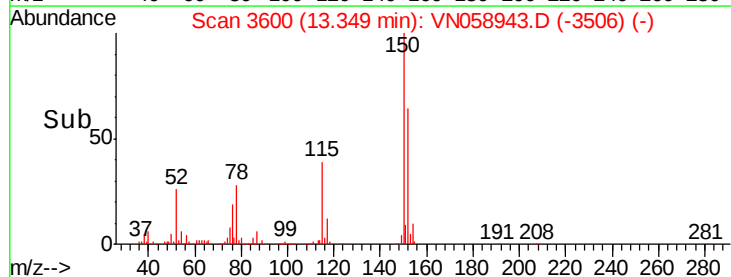
150 157.2 0.0 344.4

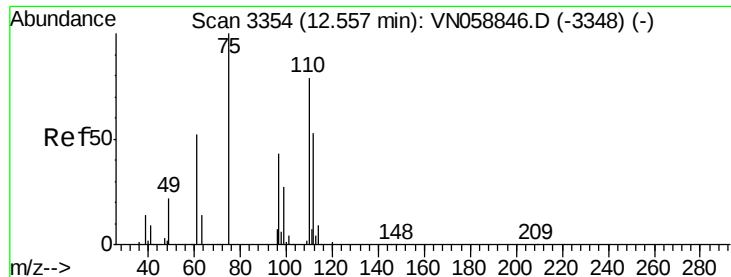


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.808 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

Instrument :

MSVOA_N

ClientSampleId :

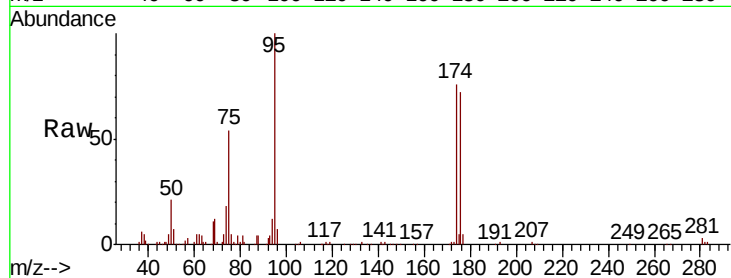
MAIN-STOCKPILE-SLP

Tot Ion: 75 Resp: 101354

Ion Ratio Lower Upper

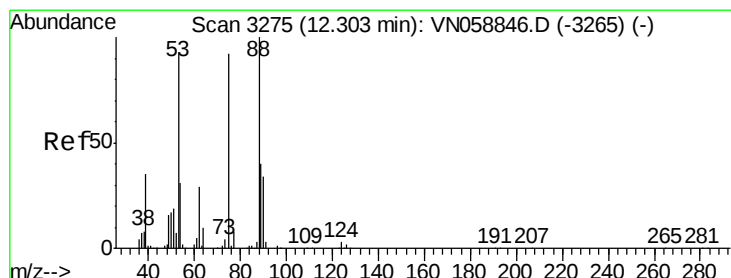
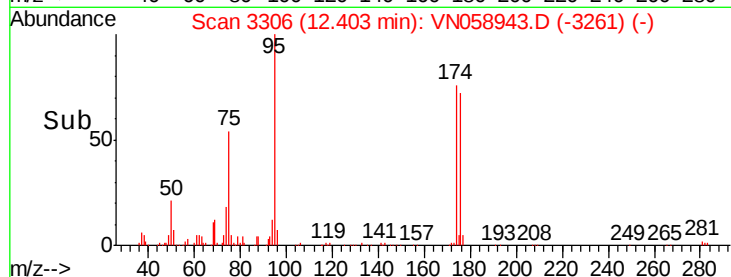
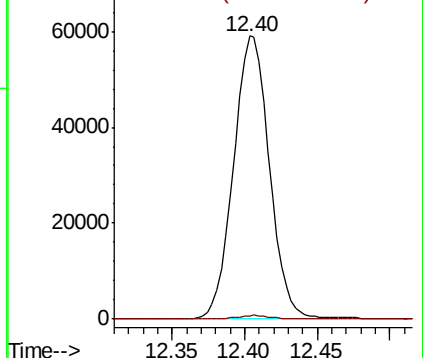
75 100

77 1.2 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: 75.047 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058943.D

Acq: 23 Oct 2019 20:11

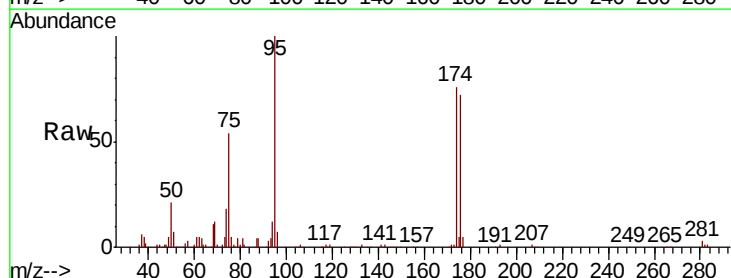
Tgt Ion: 75 Resp: 101354

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

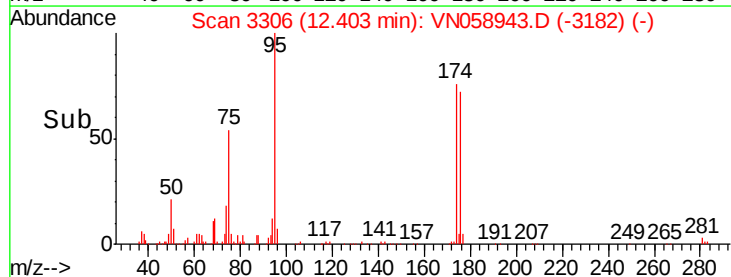
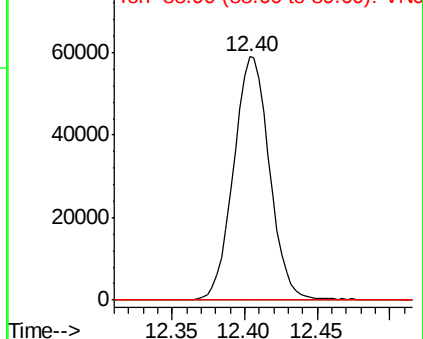
89 0.0 35.4 53.0#

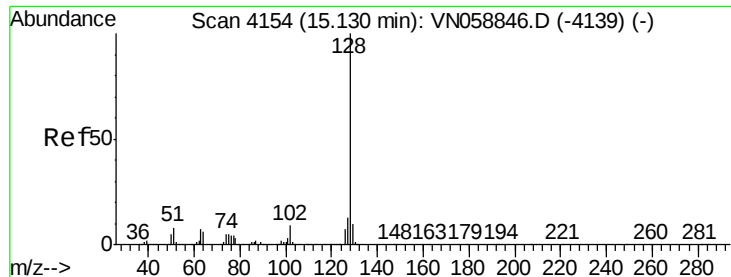


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95
Naphthalene
Concen: 2.321 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN058943.D
Acq: 23 Oct 2019 20:11

Instrument :
MSVOA_N
ClientSampleId :
MAIN-STOCKPILE-SLP

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	3.5	8.4	12.6#

