

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058933.D
 Acq On : 23 Oct 2019 16:30
 Operator : JC/SP
 Sample : K5507-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S81-ER-2019-2

Quant Time: Oct 24 01:14:22 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	294085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	499961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168783	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	238749	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.57	113	172566	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
50) Toluene-d8	10.09	98	593139	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	12.40	95	192775	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	

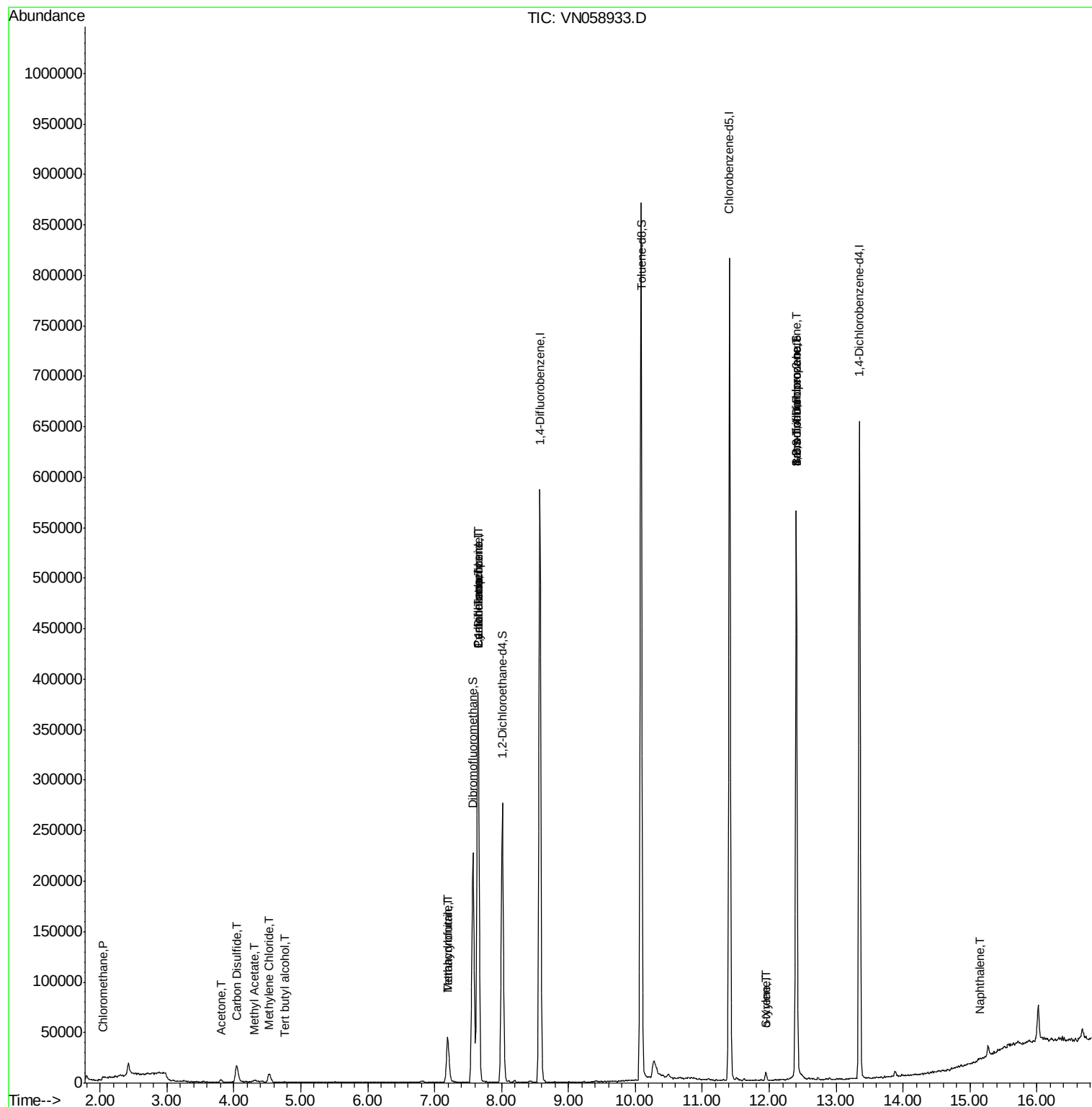
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1788	0.394	ug/l #	86
11) Tert butyl alcohol	4.76	59	626	0.875	ug/l #	72
16) Acetone	3.80	43	3981	1.868	ug/l #	89
17) Carbon Disulfide	4.03	76	2113	0.226	ug/l #	64
18) Methyl Acetate	4.31	43	2290	0.473	ug/l #	74
20) Methylene Chloride	4.52	84	2658	0.730	ug/l #	91
29) Tetrahydrofuran	7.19	42	37121	21.933	ug/l	99
31) Cyclohexane	7.64	56	7278	1.174	ug/l #	12
36) 1,1-Dichloropropene	7.65	75	25255	4.934	ug/l #	50
38) Carbon Tetrachloride	7.65	117	31186	5.914	ug/l #	16
41) Methacrylonitrile	7.19	41	22648	9.118	ug/l #	100
69) o-Xylene	11.95	106	2211	0.391	ug/l	94
70) Styrene	11.96	104	32	1.717	ug/l #	1
71) Bromoform	12.41	173	1204	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104152	26.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104152	69.362	ug/l #	10
95) Naphthalene	15.14	128	282	2.253	ug/l #	70

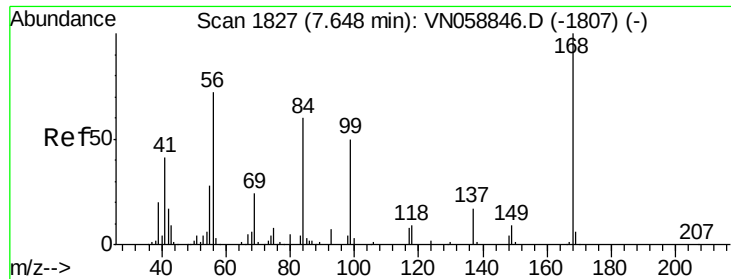
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 19 00:16:20 2019
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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: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

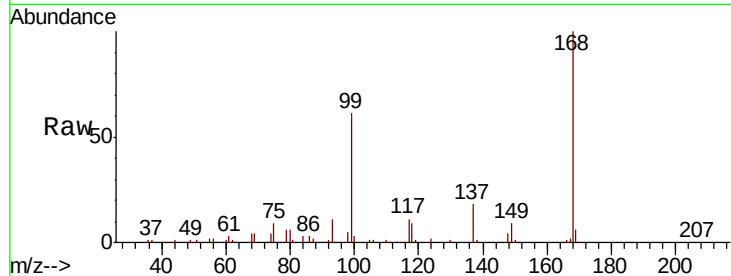
S81-ER-2019-2

Tot Ion:168 Resp: 294085

Ion Ratio Lower Upper

168 100

99 60.6 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

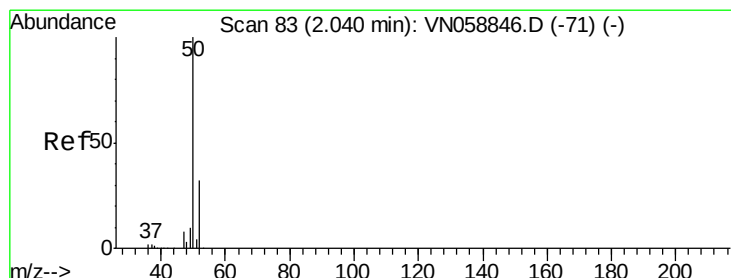
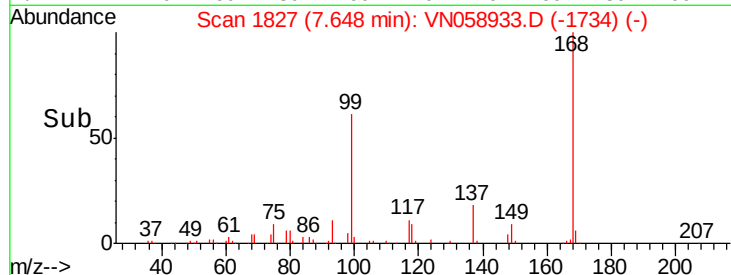
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.394 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058933.D

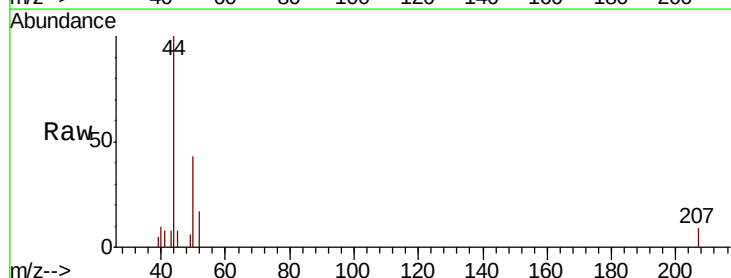
Acq: 23 Oct 2019 16:30

Tgt Ion: 50 Resp: 1788

Ion Ratio Lower Upper

50 100

52 39.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): V

Ion 51.90 (51.60 to 52.60): V

2.04

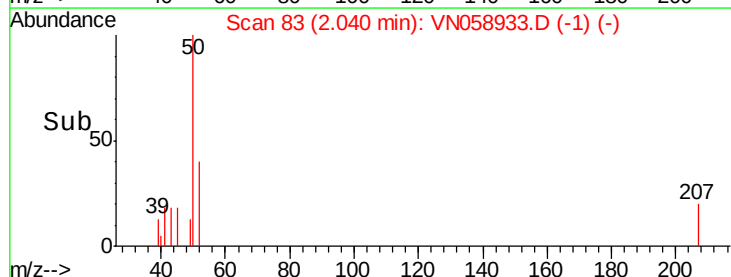
1500

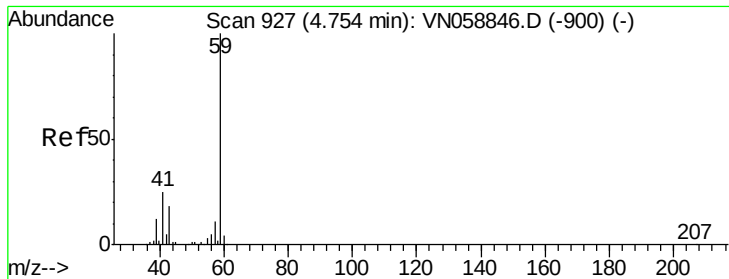
1000

500

0

Time-->

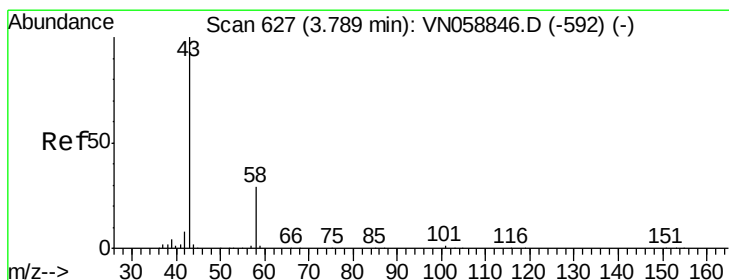
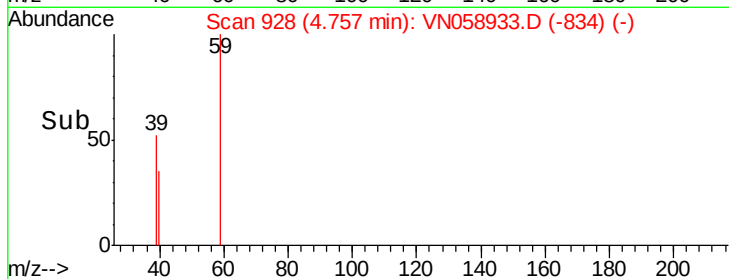
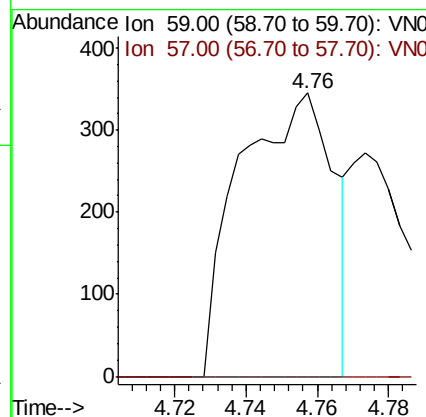
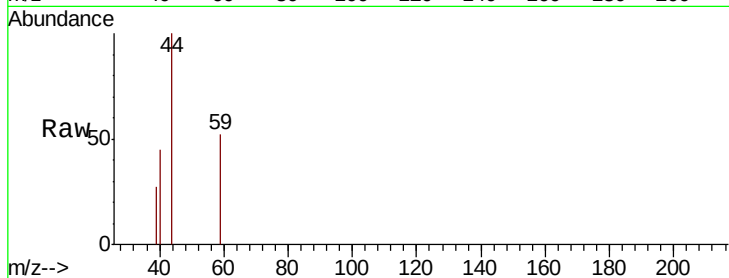




#11
Tert butyl alcohol
Concen: 0.875 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

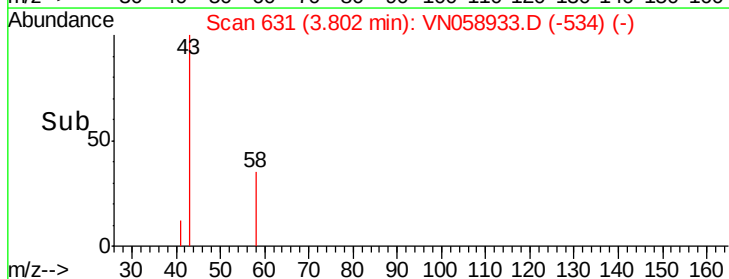
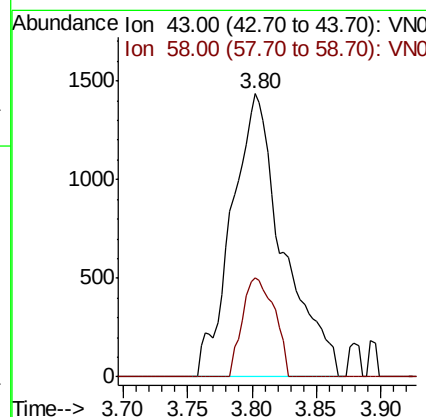
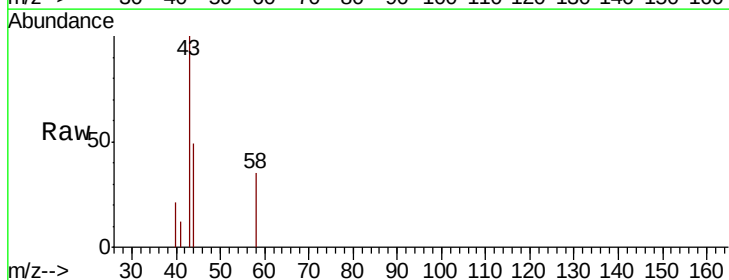
Instrument :
MSVOA_N
ClientSampled :
S81-ER-2019-2

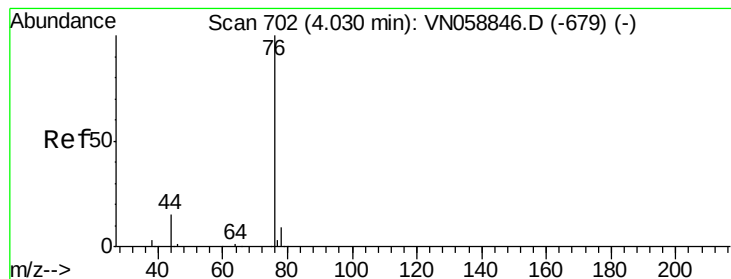
Tot Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 1.868 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion: 43 Resp: 3981
Ion Ratio Lower Upper
43 100
58 34.8 23.1 34.7#





#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

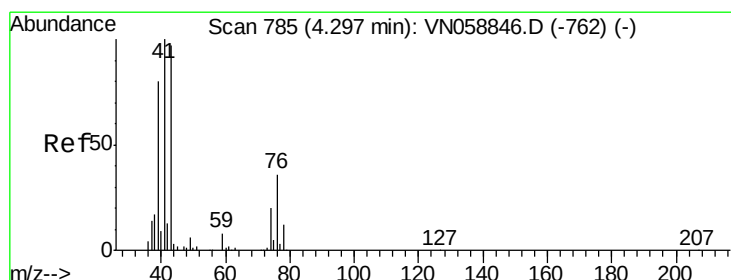
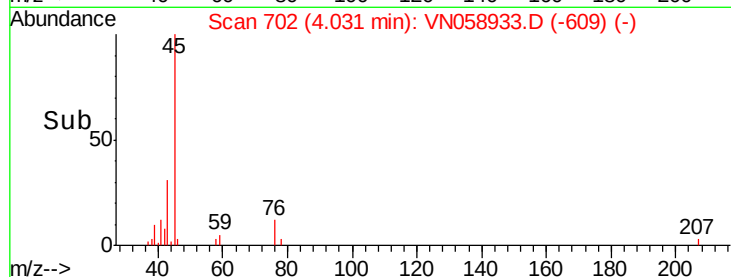
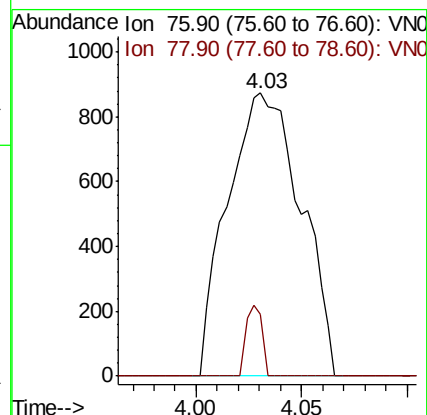
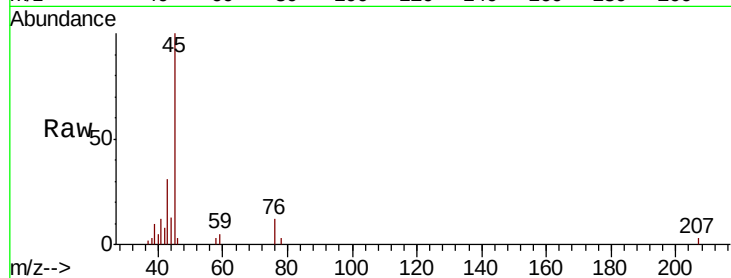
S81-ER-2019-2

Tot Ion: 76 Resp: 2113

Ion Ratio Lower Upper

76 100

78 22.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.473 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058933.D

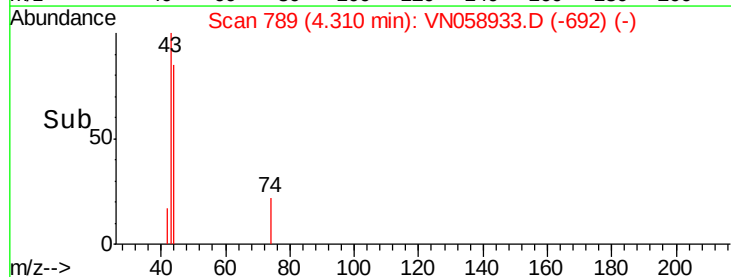
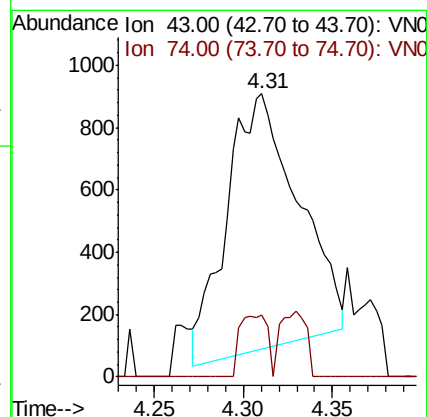
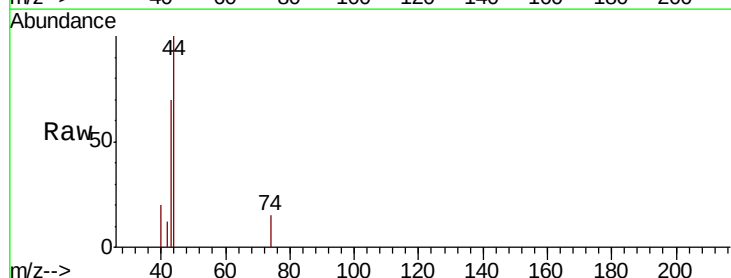
Acq: 23 Oct 2019 16:30

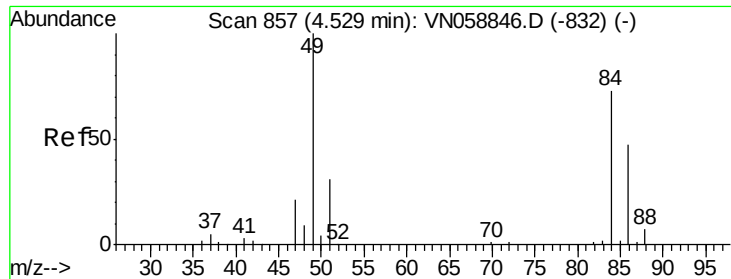
Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

74 9.2 17.1 25.7#





#20

Methylene Chloride

Concen: 0.730 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.01 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

S81-ER-2019-2

Tot Ion: 84 Resp: 2658

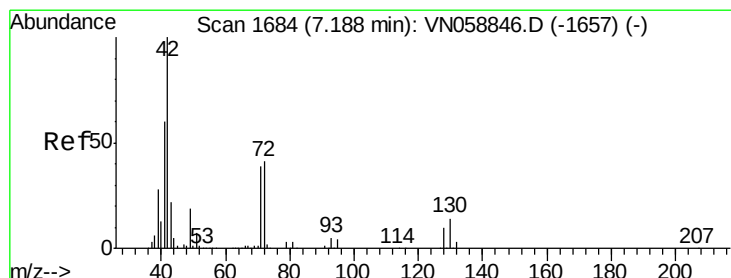
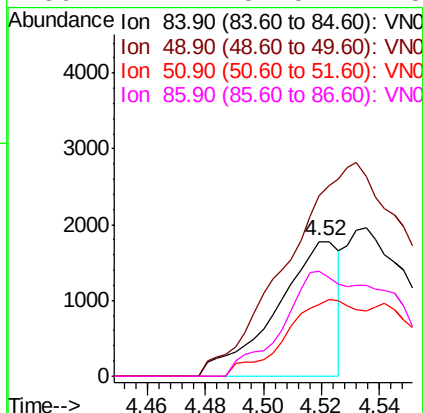
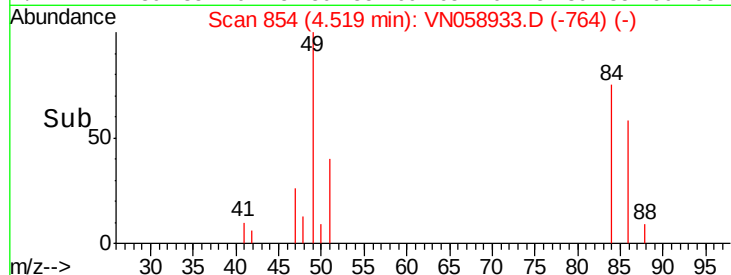
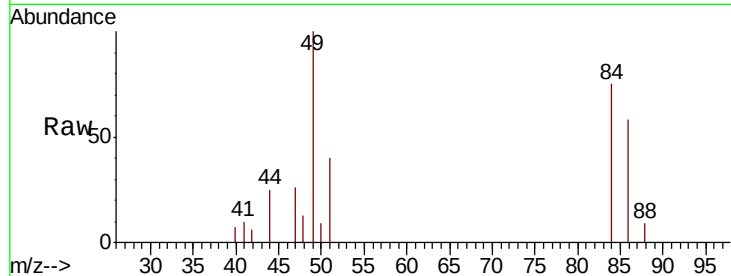
Ion Ratio Lower Upper

84 100

49 133.8 109.6 164.4

51 53.4 33.8 50.6#

86 77.7 51.5 77.3#



#29

Tetrahydrofuran

Concen: 21.933 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

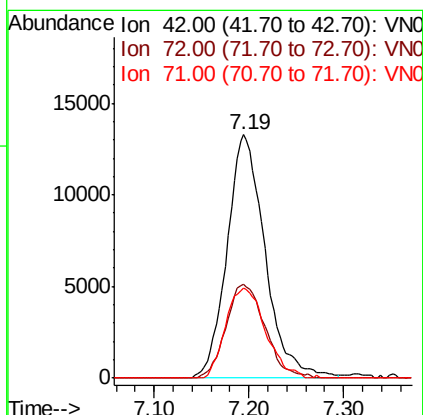
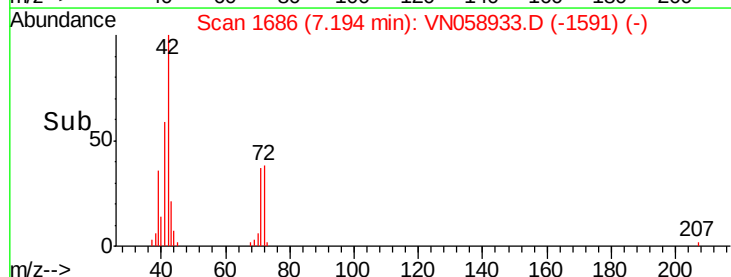
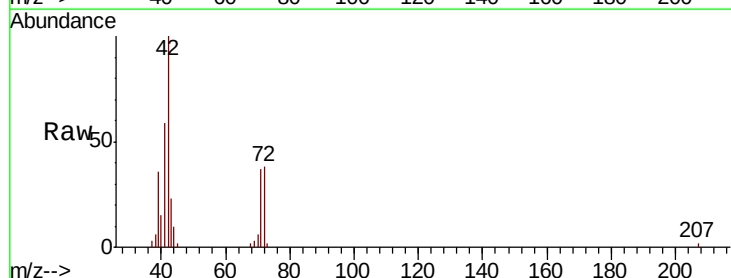
Tgt Ion: 42 Resp: 37121

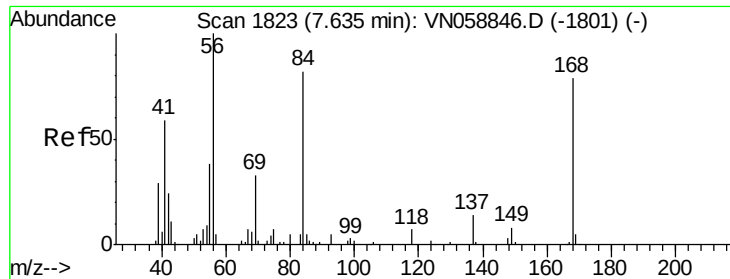
Ion Ratio Lower Upper

42 100

72 39.5 32.2 48.2

71 38.5 30.6 45.8

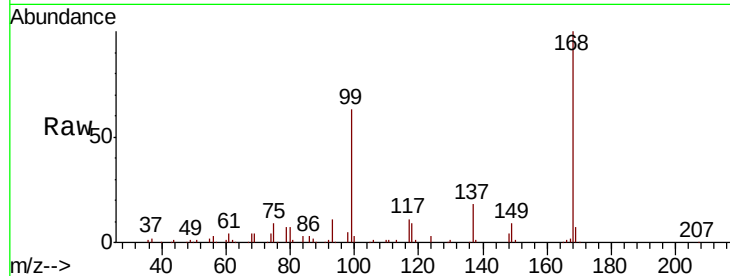




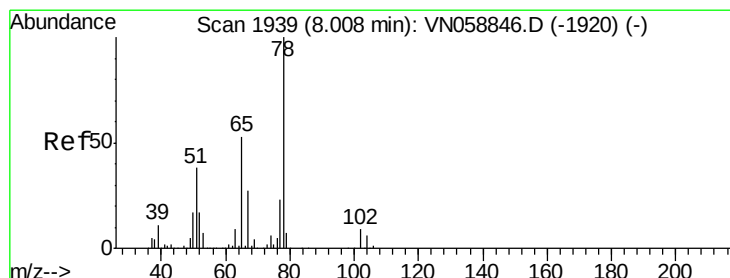
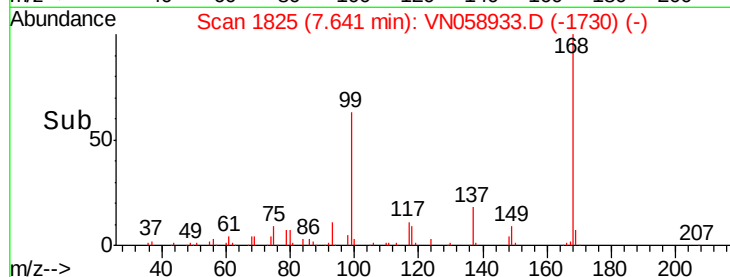
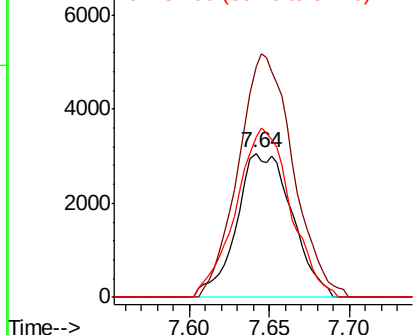
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
S81-ER-2019-2

Tot Ion: 56 Resp: 7278
Ion Ratio Lower Upper
56 100
69 160.2 26.2 39.4#
84 111.2 65.6 98.4#

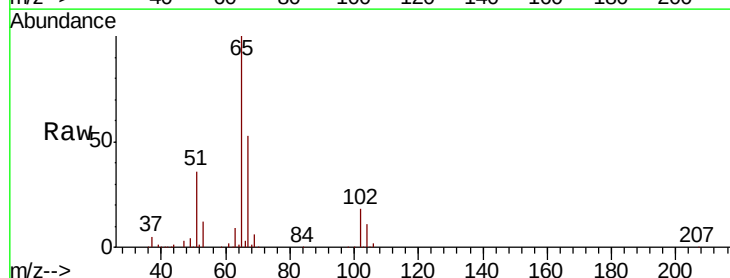


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

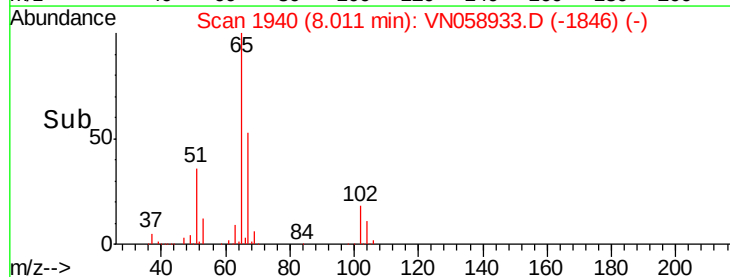
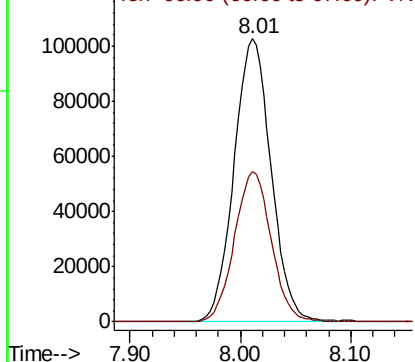


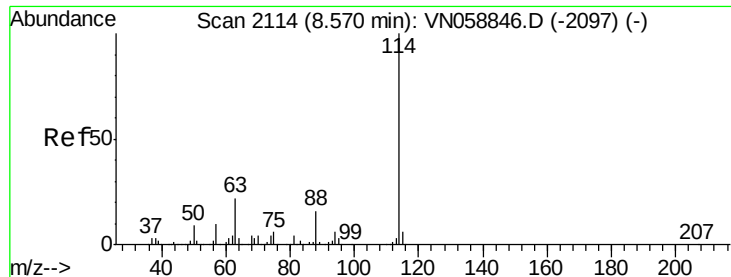
#33
1,2-Dichloroethane-d4
Concen: 55.353 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion: 65 Resp: 238749
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

S81-ER-2019-2

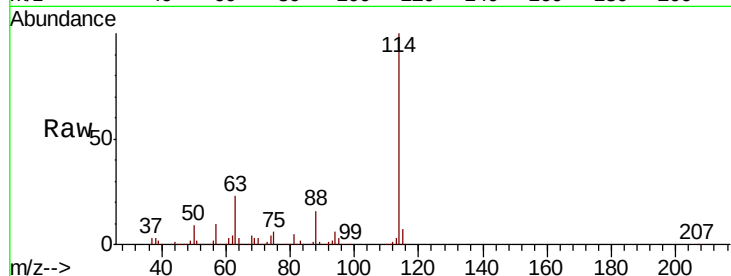
Tot Ion:114 Resp: 499961

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

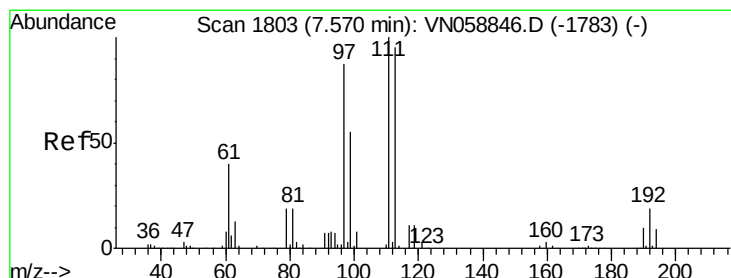
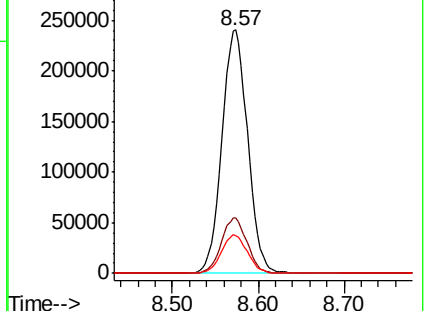
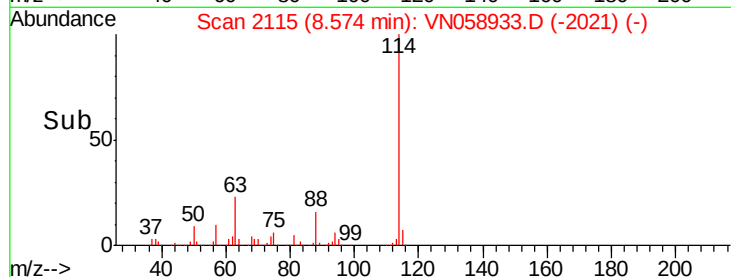
88 15.7 0.0 31.4



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: 52.498 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

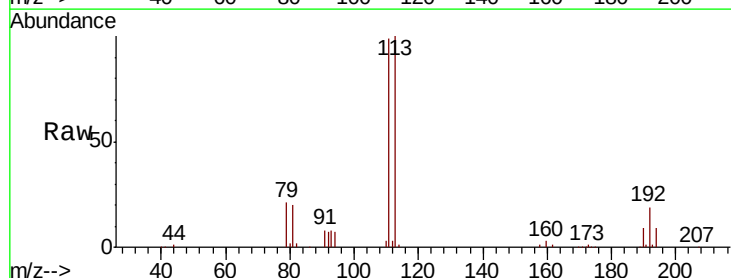
Tgt Ion:113 Resp: 172566

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

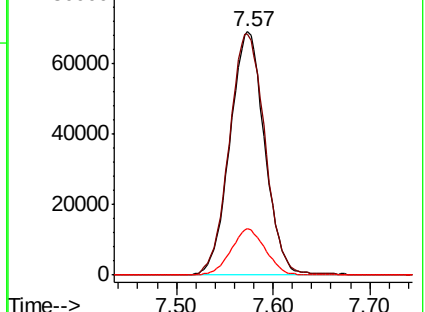
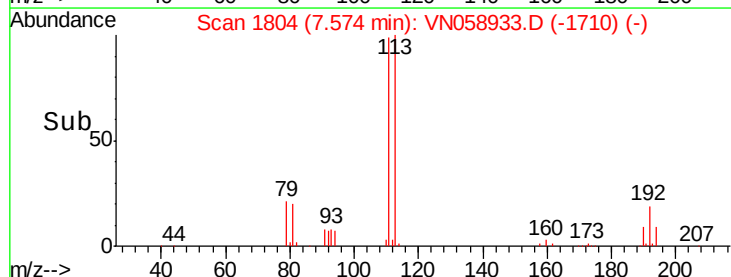
192 18.9 15.0 22.6

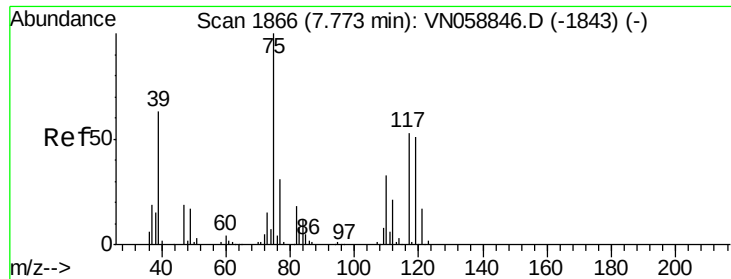


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

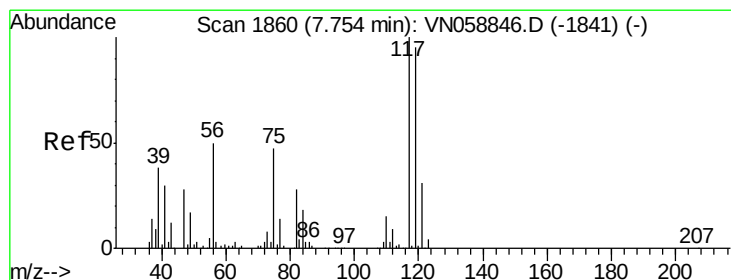
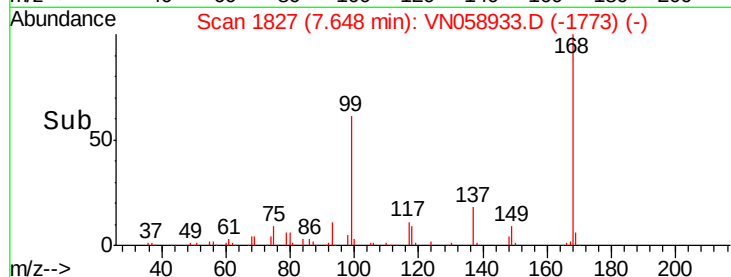
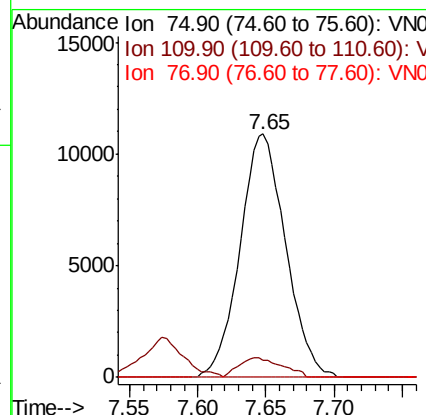
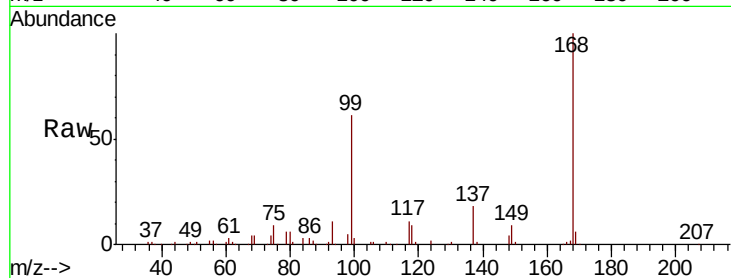




#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058933.D
 Acq: 23 Oct 2019 16:30

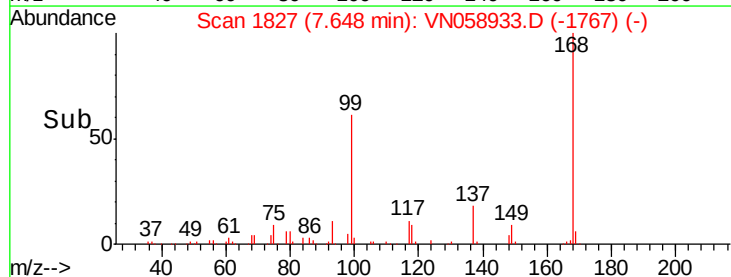
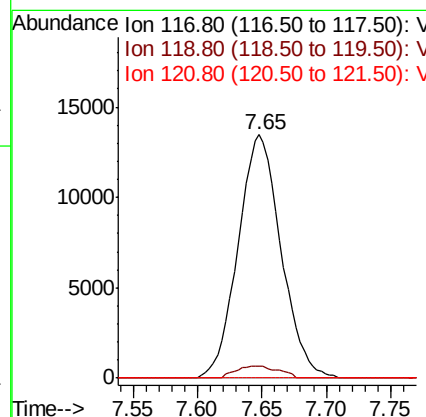
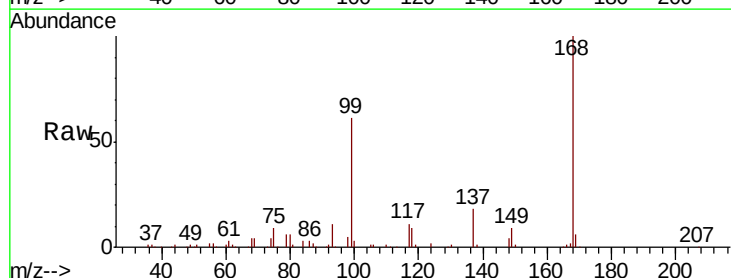
Instrument :
 MSVOA_N
 ClientSampleId :
 S81-ER-2019-2

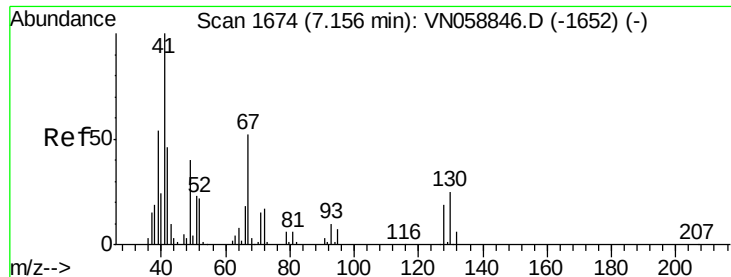
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.914 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058933.D
 Acq: 23 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.7	113.5#
121	0.0	25.0	37.6#

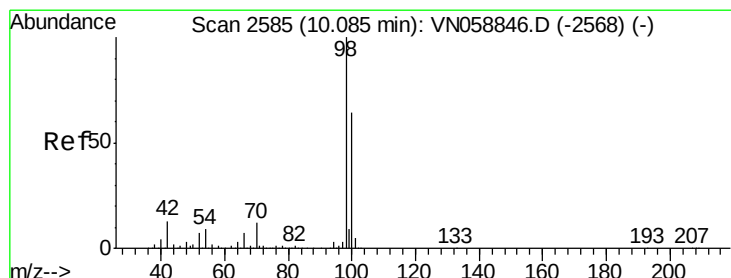
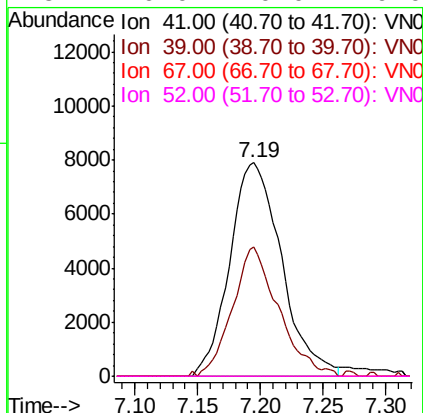
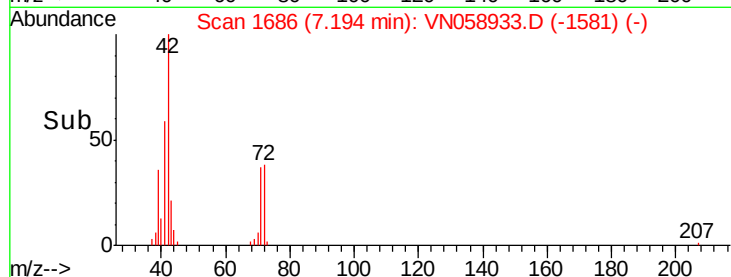
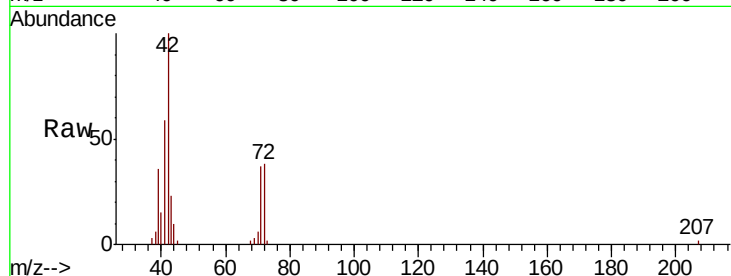




#41
Methacrylonitrile
Concen: 9.118 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

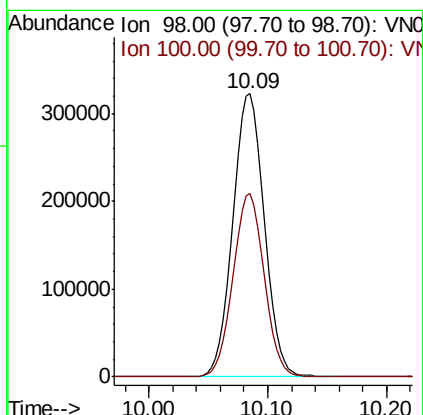
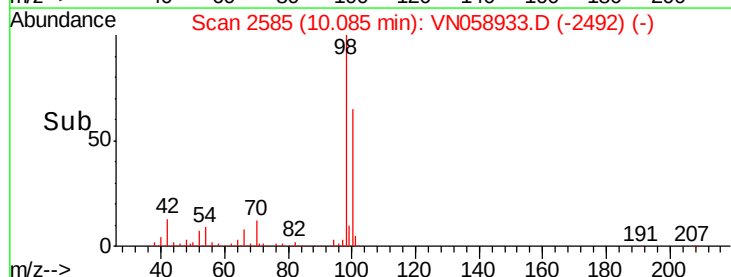
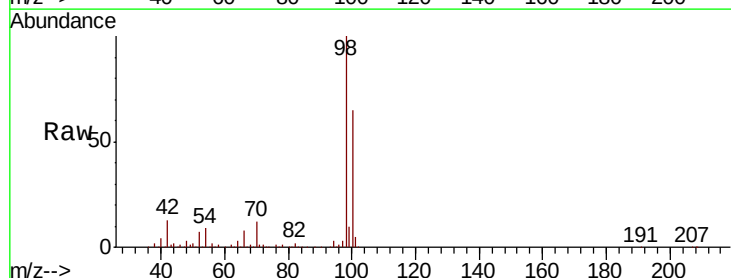
Instrument :
MSVOA_N
ClientSampleId :
S81-ER-2019-2

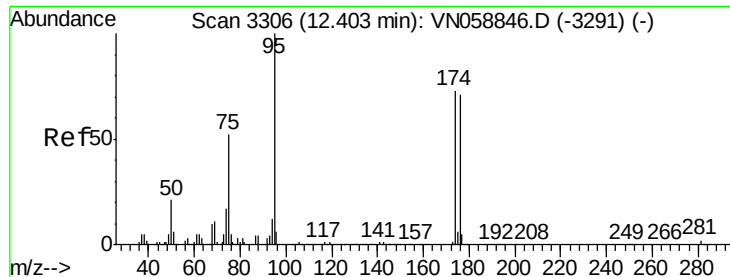
Tot Ion:	41	Resp:	22648
Ion	Ratio	Lower	Upper
41	100		
39	53.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 46.484 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion:	98	Resp:	593139
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2

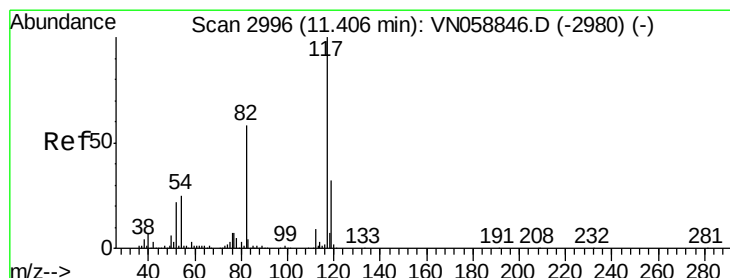
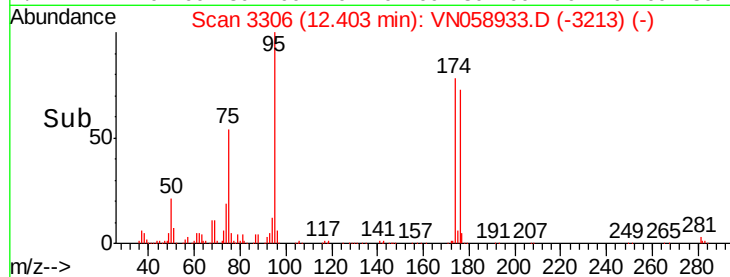
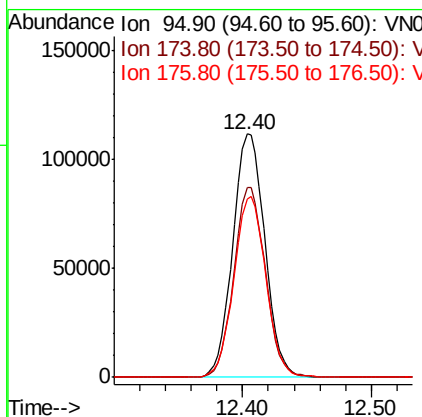
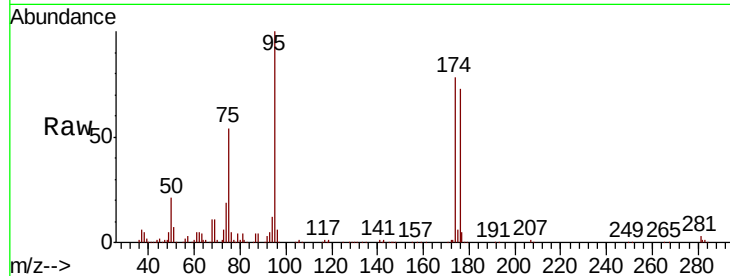




#62
4-Bromofluorobenzene
Concen: 41.140 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

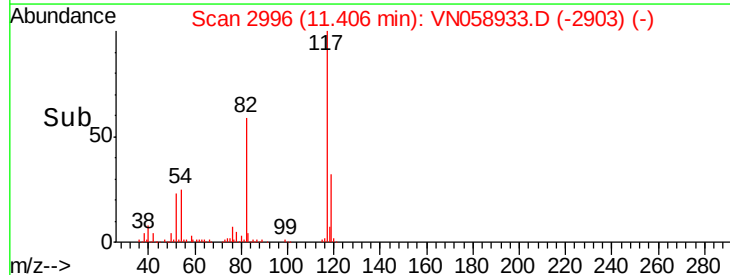
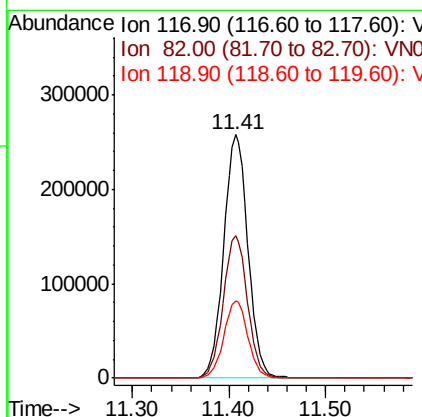
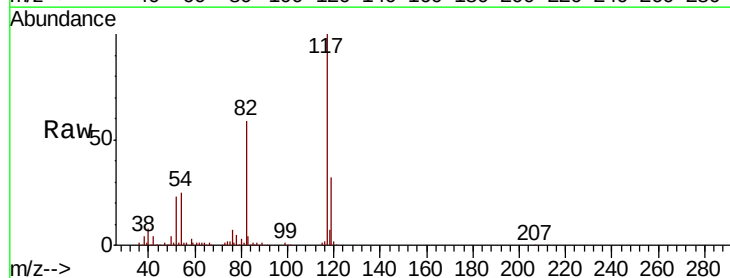
Instrument :
MSVOA_N
ClientSampled :
S81-ER-2019-2

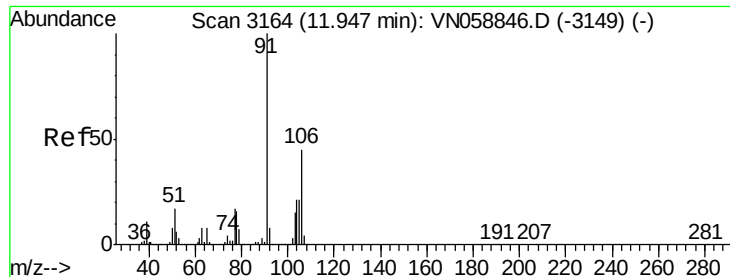
Tot Ion	95	Resp	192775
Ion Ratio	100	Lower	Upper
174	77.0	0.0	147.6
176	74.2	0.0	143.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion	117	Resp	447418
Ion Ratio	100	Lower	Upper
82	58.6	46.6	69.8
119	31.8	25.6	38.4

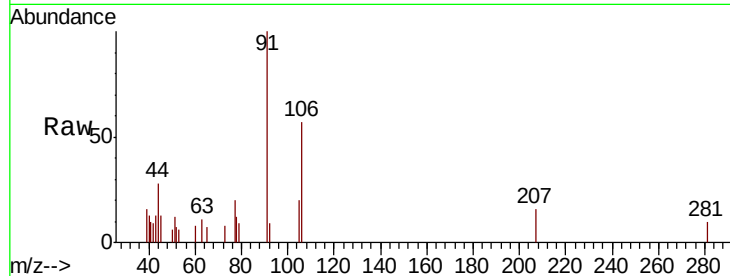




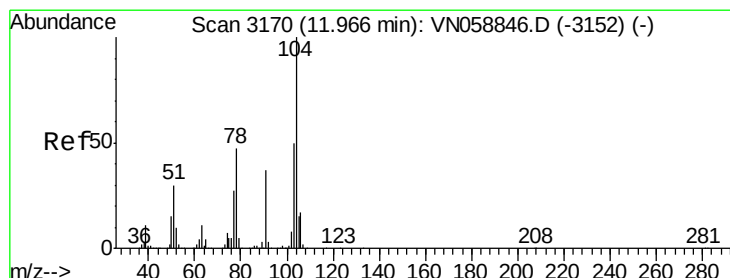
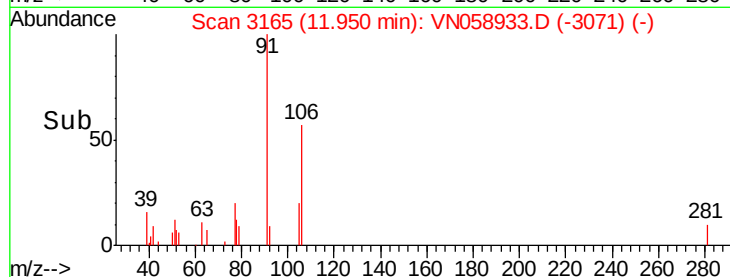
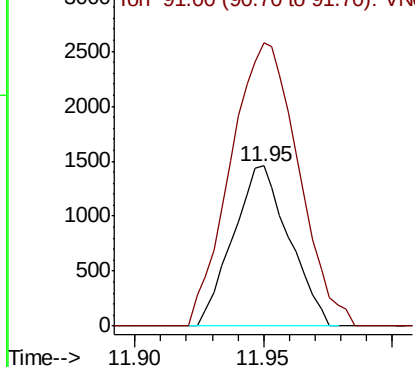
#69
o-Xylene
Concen: 0.391 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampled :
S81-ER-2019-2

Tot Ion:106 Resp: 2211
Ion Ratio Lower Upper
106 100
91 213.4 111.5 334.4

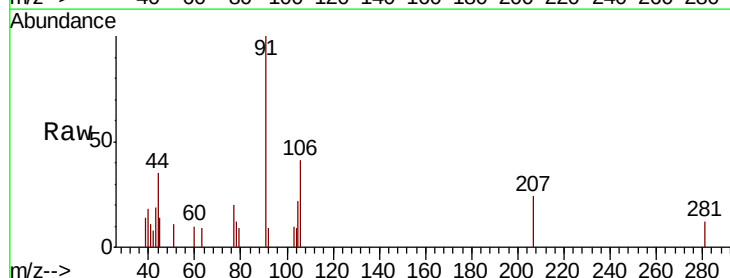


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

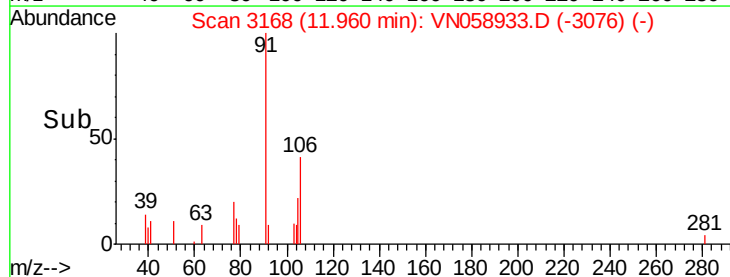
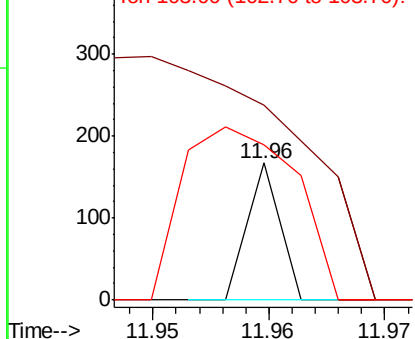


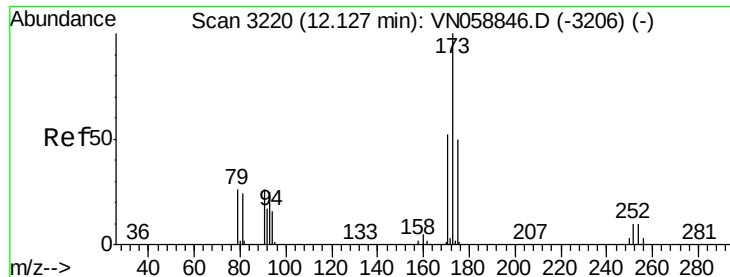
#70
Styrene
Concen: 1.717 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion:104 Resp: 32
Ion Ratio Lower Upper
104 100
78 1412.5 42.8 64.2#
103 443.8 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

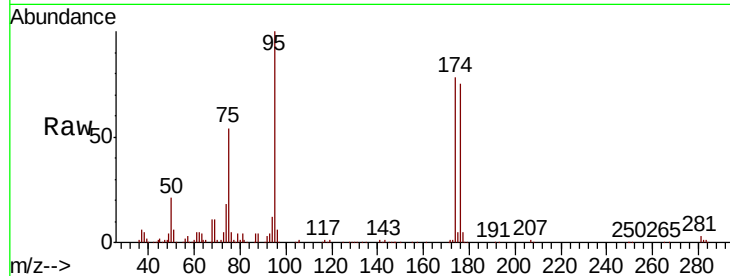




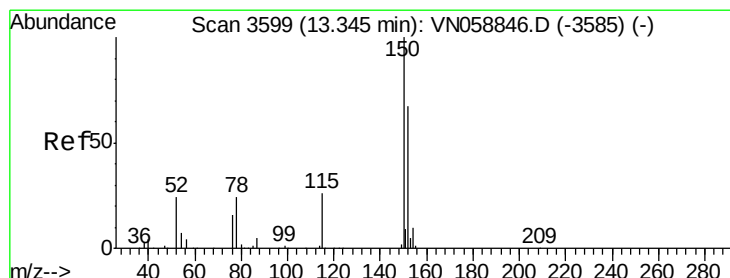
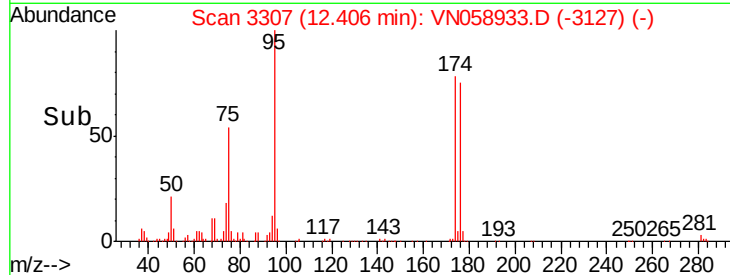
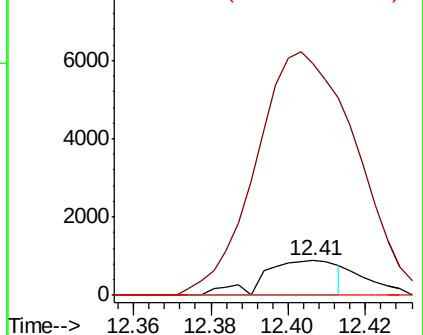
#71
Bromoform
Concen: 0.452 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
S81-ER-2019-2

Tot Ion:173 Resp: 1204
Ion Ratio Lower Upper
173 100
175 728.7 24.7 74.1#
254 0.0 0.0 0.0

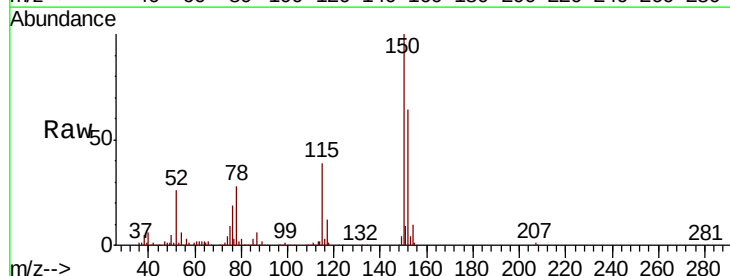


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

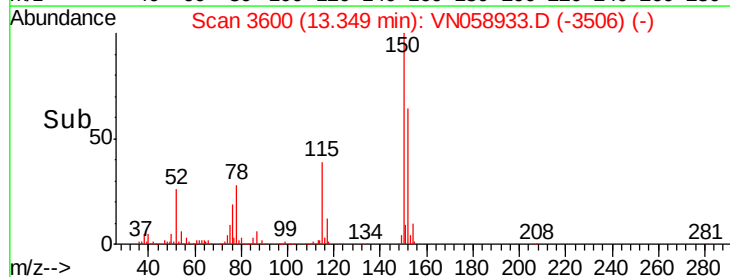
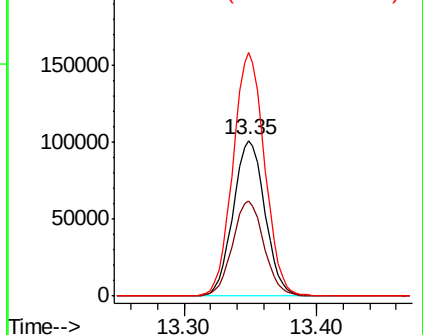


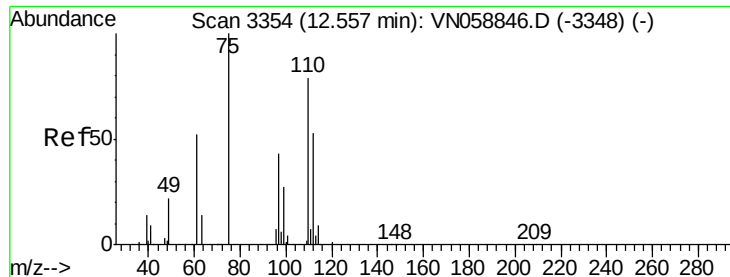
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058933.D
Acq: 23 Oct 2019 16:30

Tgt Ion:152 Resp: 168783
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 155.9 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: 26.626 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampled :

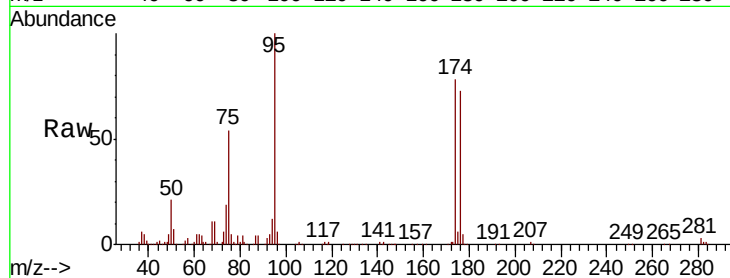
S81-ER-2019-2

Tot Ion: 75 Resp: 104152

Ion Ratio Lower Upper

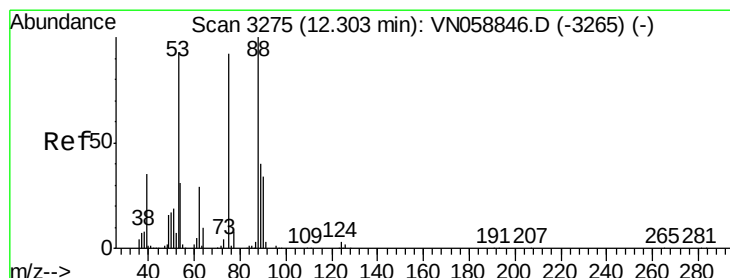
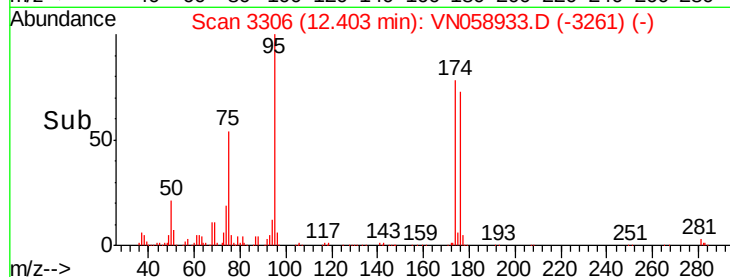
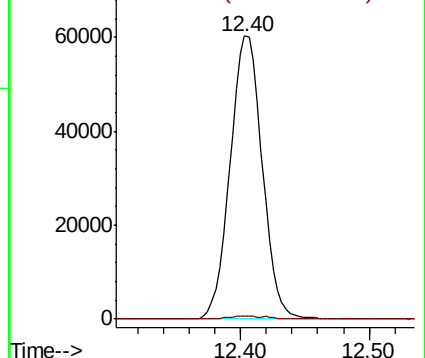
75 100

77 1.4 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: 69.362 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

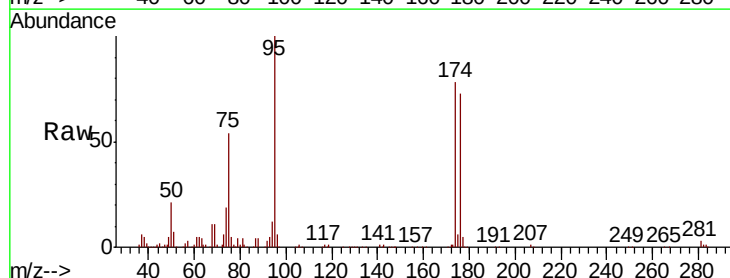
Tgt Ion: 75 Resp: 104152

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

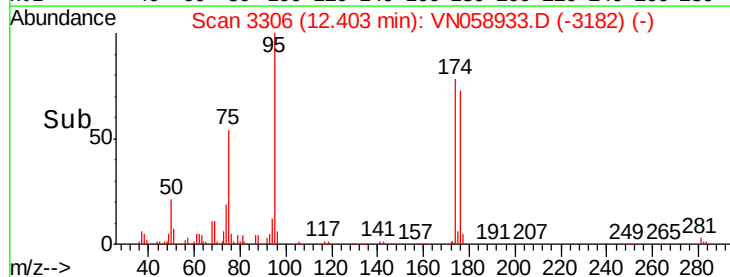
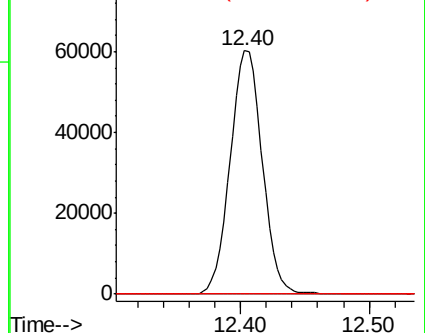
89 0.0 35.4 53.0#

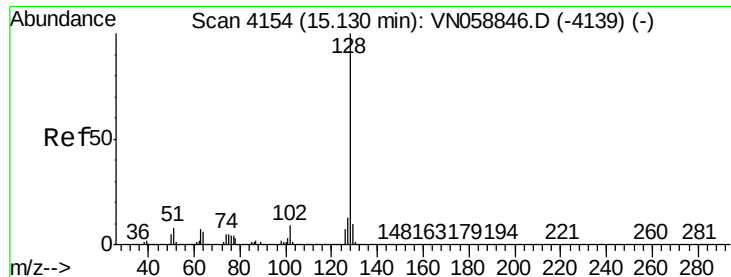


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 2.253 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058933.D

Acq: 23 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

S81-ER-2019-2

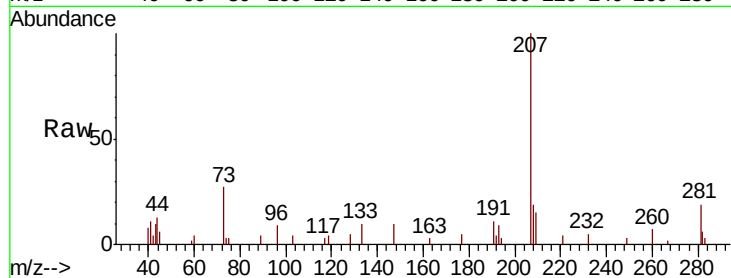
Tot Ion:128 Resp: 282

Ion Ratio Lower Upper

128 100

127 0.0 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

