

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057943.D
 Acq On : 11 Sep 2019 22:45
 Operator : JC/SP
 Sample : K4835-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-1

Quant Time: Sep 12 02:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	264927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211112	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	315820	58.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.72%	
35) Dibromofluoromethane	7.58	113	215052	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	850325	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.41	95	277794	44.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.84%	

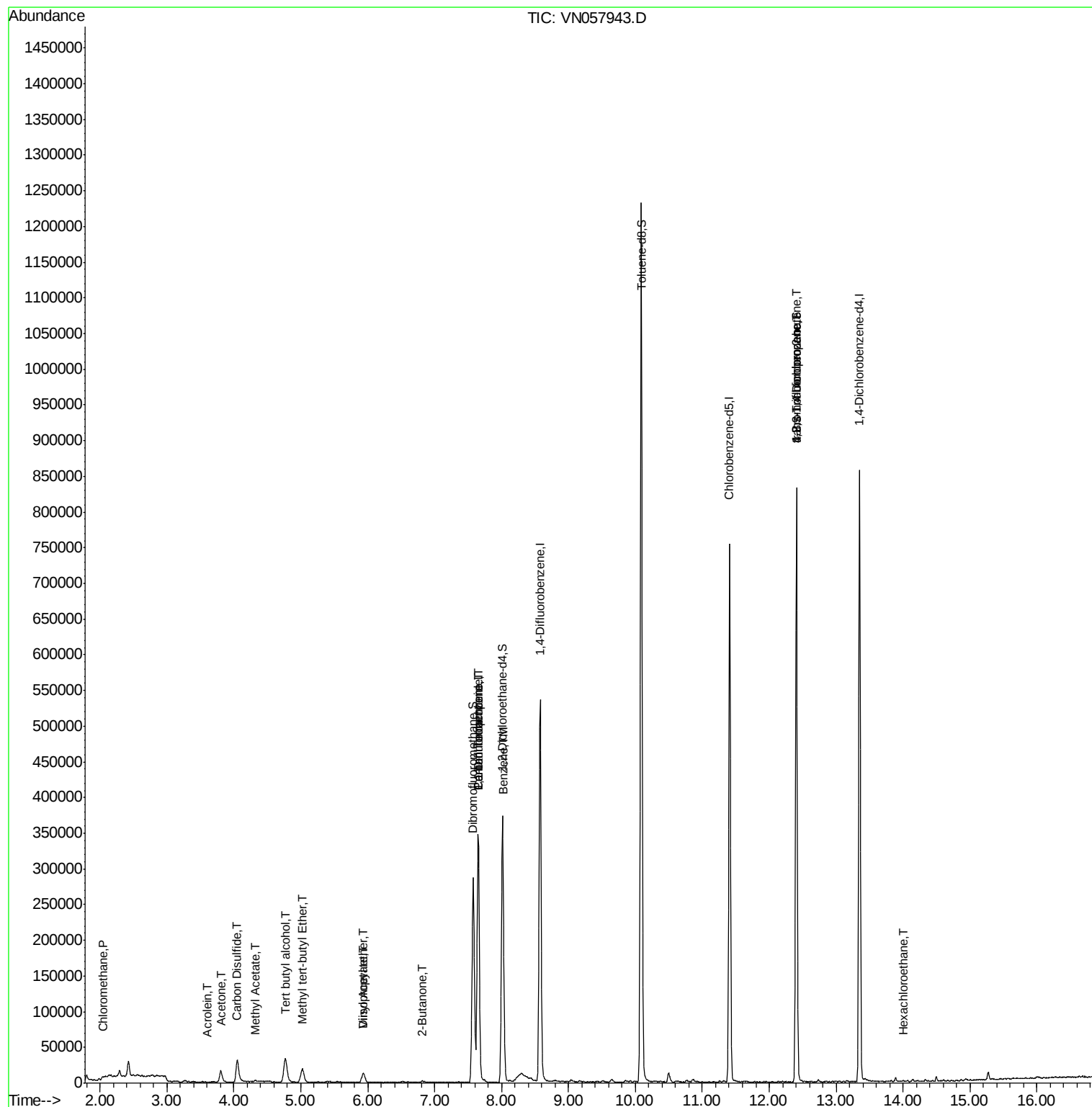
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1320	0.353	ug/l #	71
5) Bromomethane	2.55	94	379	Below Cal	#	67
11) Tert butyl alcohol	4.77	59	55911	86.091	ug/l	97
13) Acrolein	3.61	56	262	0.476	ug/l #	27
16) Acetone	3.81	43	26290	14.946	ug/l	95
17) Carbon Disulfide	4.03	76	1066	0.401	ug/l #	75
18) Methyl Acetate	4.32	43	2249	0.480	ug/l #	91
19) Methyl tert-butyl Ether	5.02	73	29776	2.536	ug/l #	91
20) Methylene Chloride	4.53	84	175	Below Cal	#	35
22) Diisopropyl ether	5.94	45	17503	1.352	ug/l #	85
23) Vinyl Acetate	5.93	43	11289	1.230	ug/l #	74
25) 2-Butanone	6.83	43	690	0.271	ug/l #	49
31) Cyclohexane	7.65	56	7711	Below Cal	#	32
36) 1,1-Dichloropropene	7.65	75	23109	4.351	ug/l #	45
38) Carbon Tetrachloride	7.65	117	27607	5.694	ug/l #	17
40) Benzene	8.03	78	9542	0.597	ug/l	95
76) 1,2,3-Trichloropropane	12.41	75	150704	31.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	150704	111.047	ug/l #	6
90) Hexachloroethane	13.99	117	439	0.205	ug/l #	12
95) Naphthalene	15.13	128	509	Below Cal	#	69

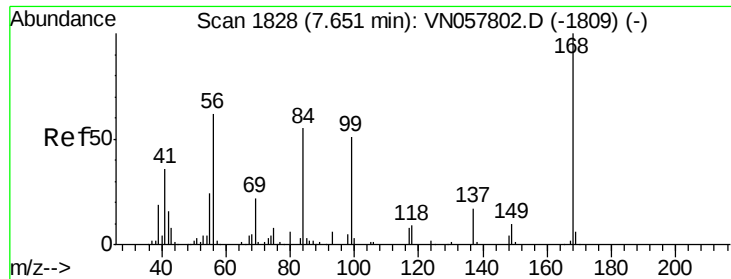
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

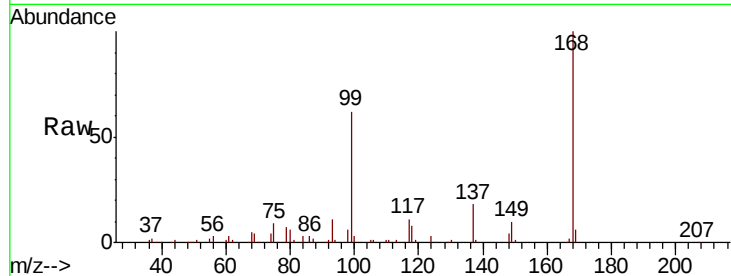
Instrument :
MSVOA_N
ClientSampled :
PZ-1

Tgt Ion:168 Resp: 264927

Ion Ratio Lower Upper

168 100

99 62.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

120000

100000

80000

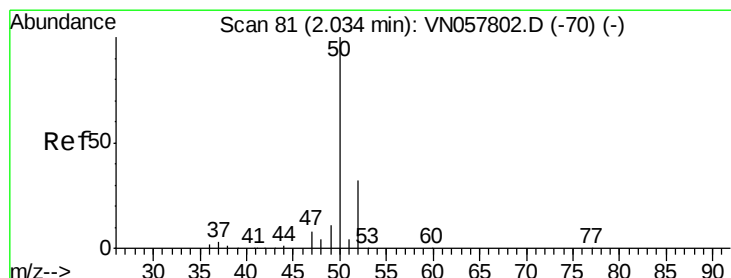
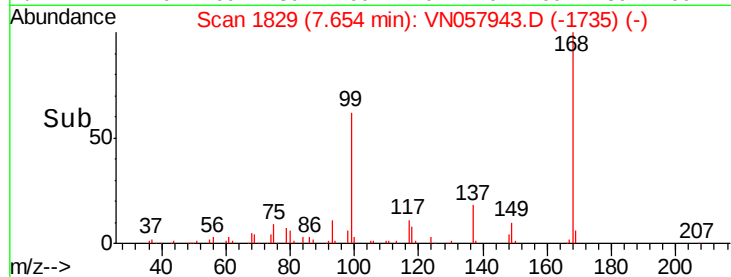
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.353 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN057943.D

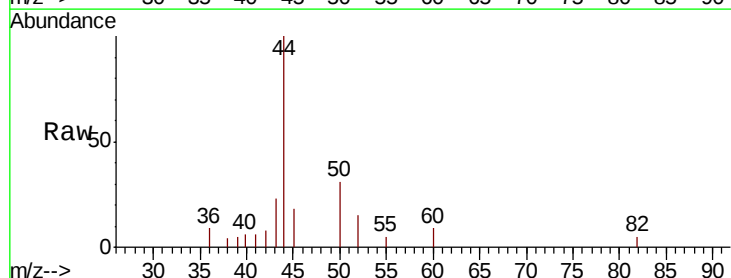
Acq: 11 Sep 2019 22:45

Tgt Ion: 50 Resp: 1320

Ion Ratio Lower Upper

50 100

52 48.2 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

1200

1000

800

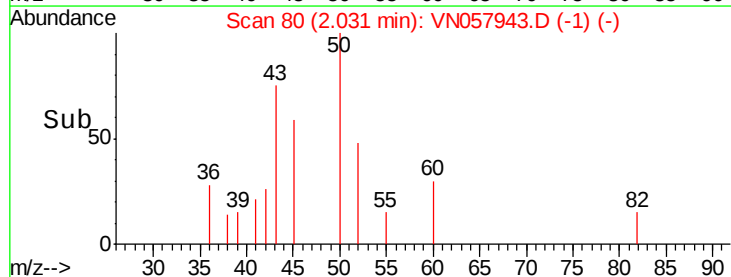
600

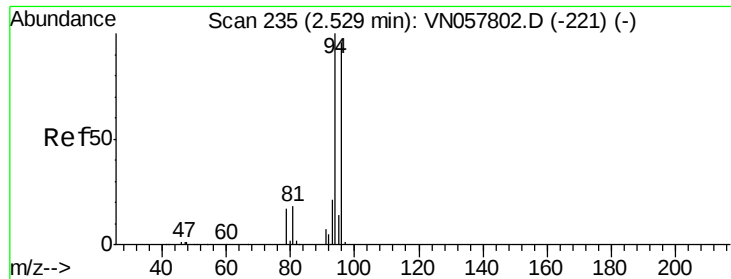
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampled :

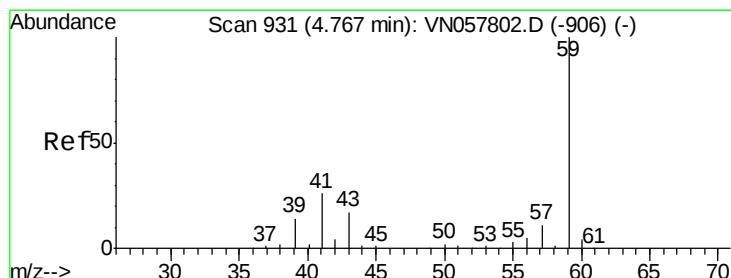
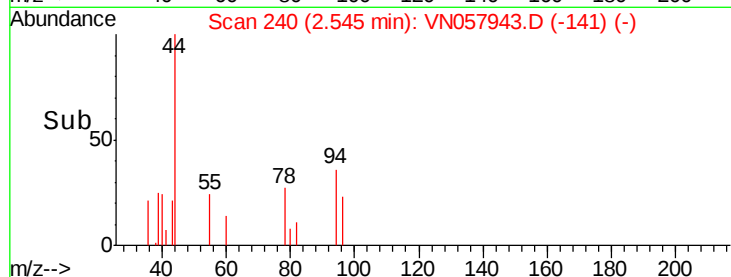
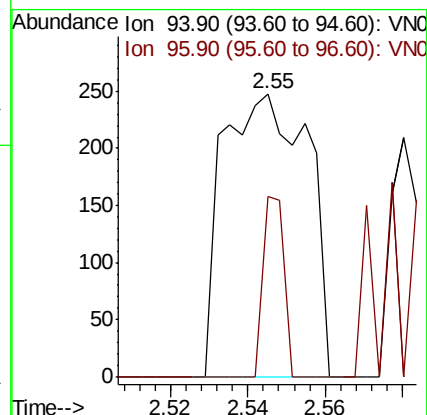
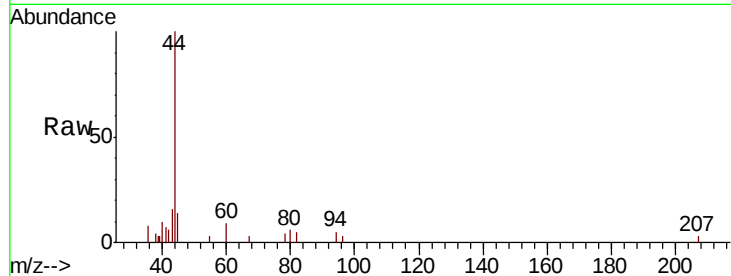
PZ-1

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

96 63.7 77.0 115.4#



#11

Tert butyl alcohol

Concen: 86.091 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057943.D

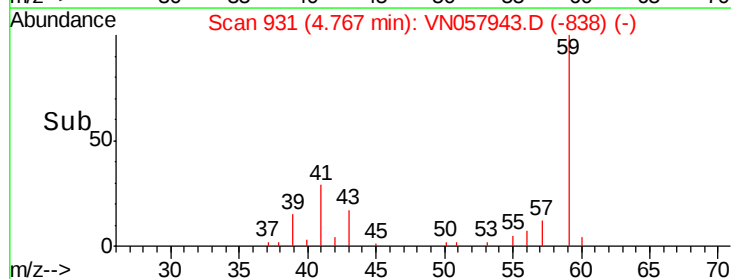
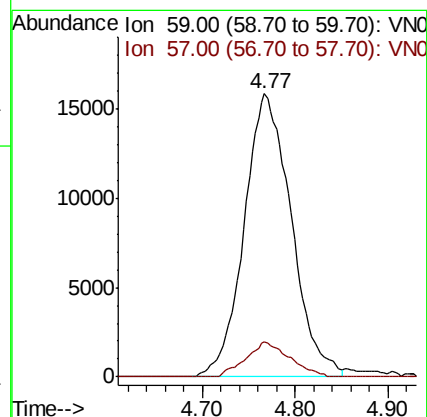
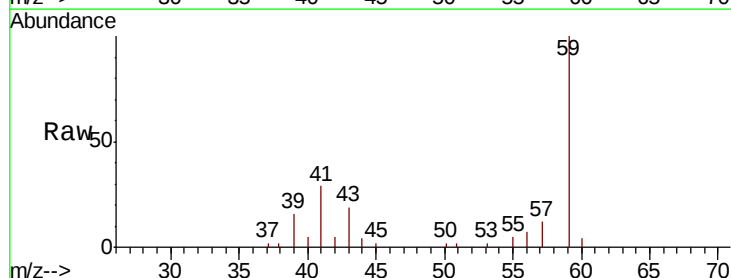
Acq: 11 Sep 2019 22:45

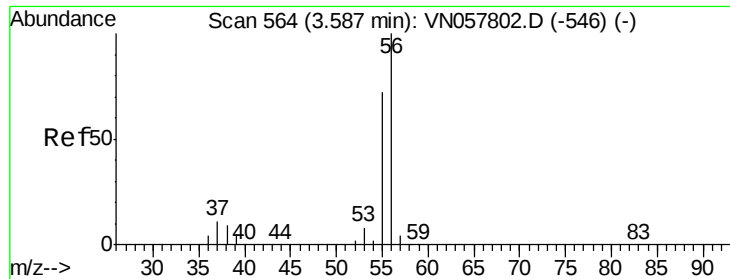
Tgt Ion: 59 Resp: 55911

Ion Ratio Lower Upper

59 100

57 11.5 8.4 12.6





#13

Acrolein

Concen: 0.476 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.02 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampled :

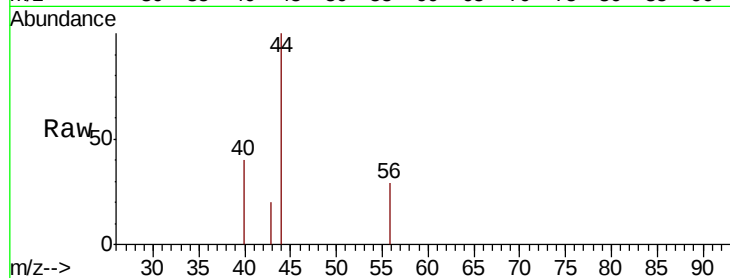
PZ-1

Tgt Ion: 56 Resp: 262

Ion Ratio Lower Upper

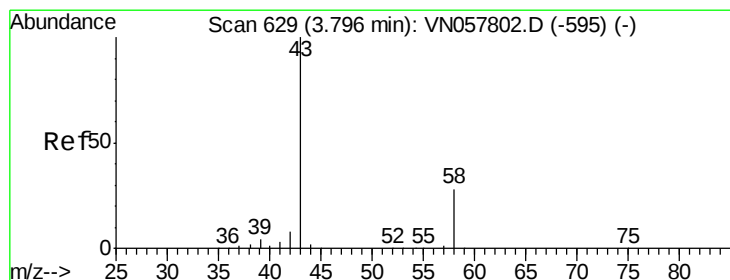
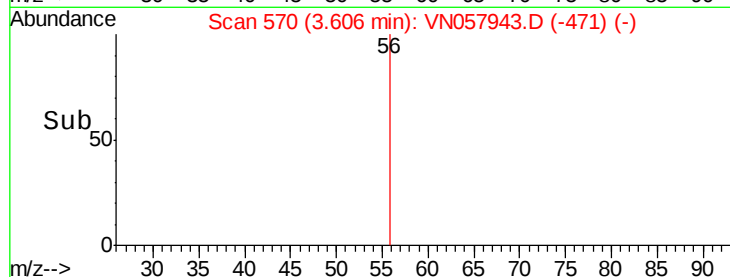
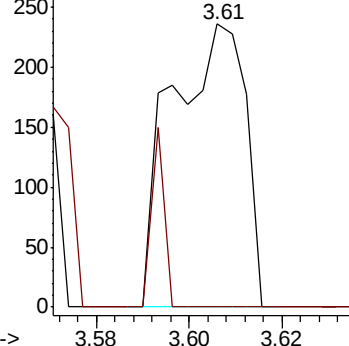
56 100

55 11.1 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 14.946 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057943.D

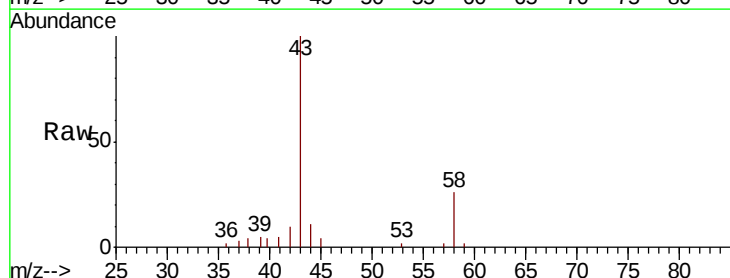
Acq: 11 Sep 2019 22:45

Tgt Ion: 43 Resp: 26290

Ion Ratio Lower Upper

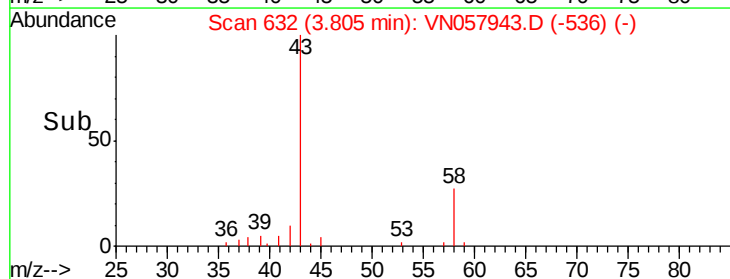
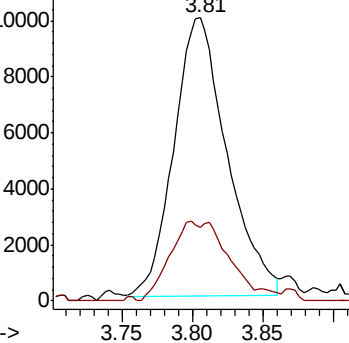
43 100

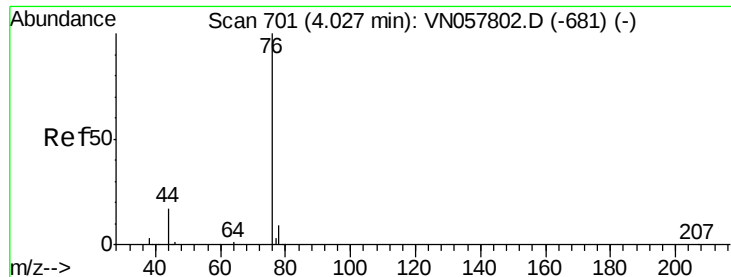
58 25.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

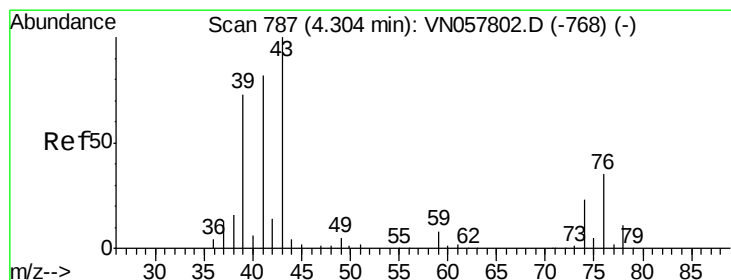
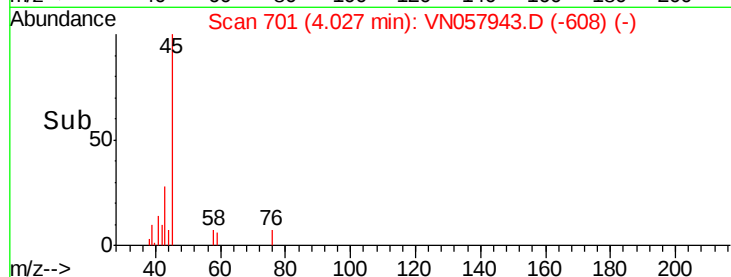
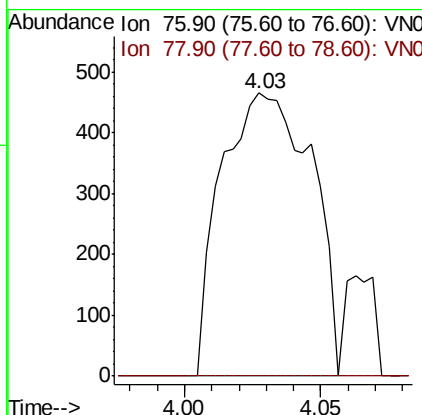
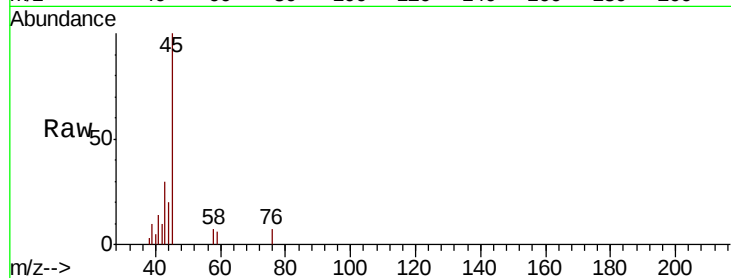




#17
Carbon Disulfide
Concen: 0.401 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

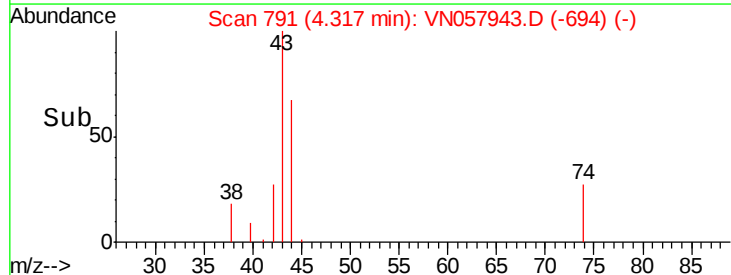
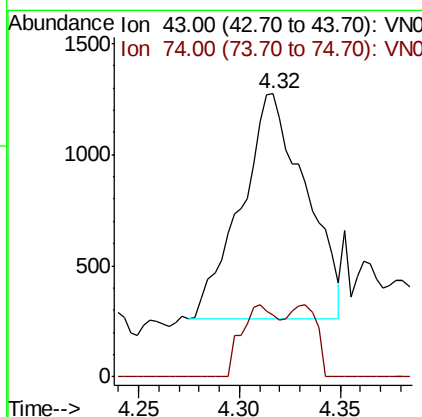
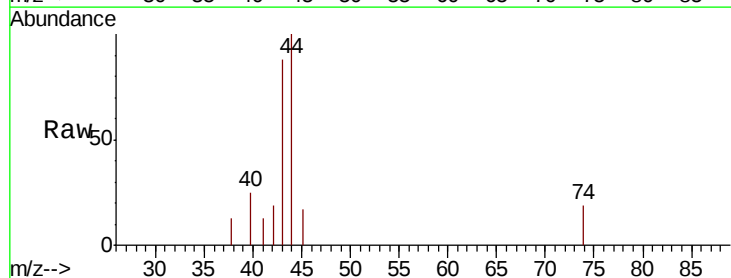
Instrument :
MSVOA_N
ClientSampled :
PZ-1

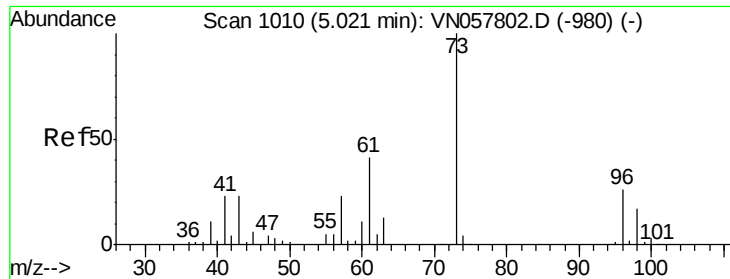
Tgt Ion: 76 Resp: 1066
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

Tgt Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
74 17.9 17.9 26.9#

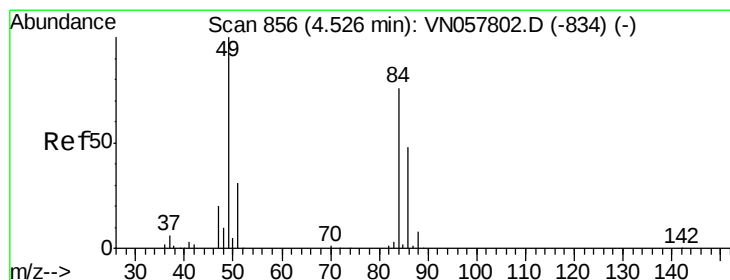
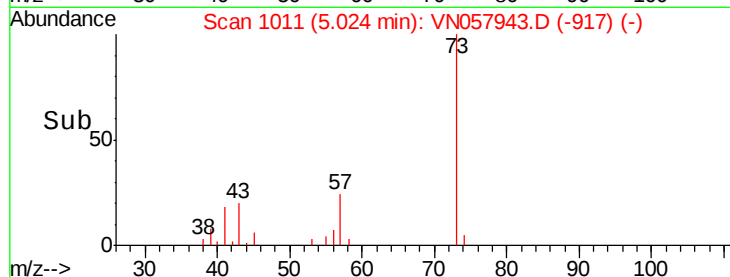
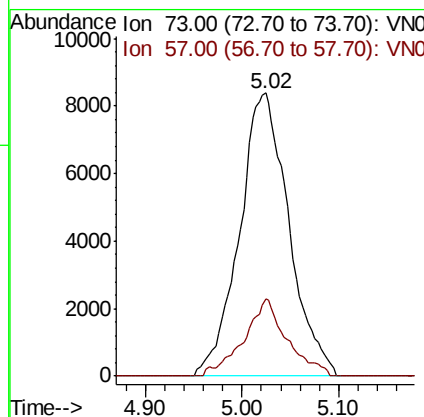
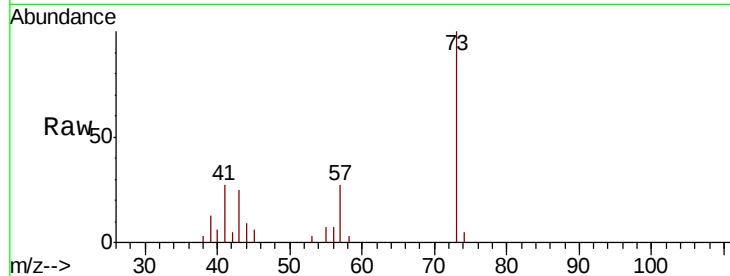




#19
Methyl tert-butyl Ether
Concen: 2.536 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

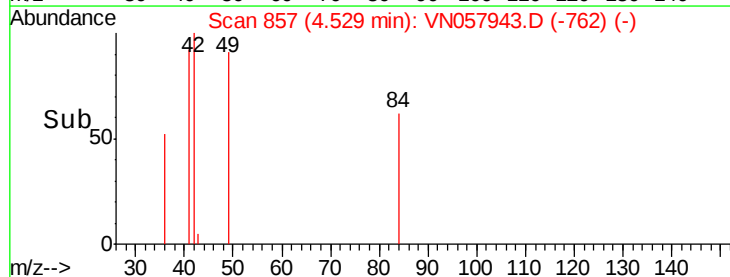
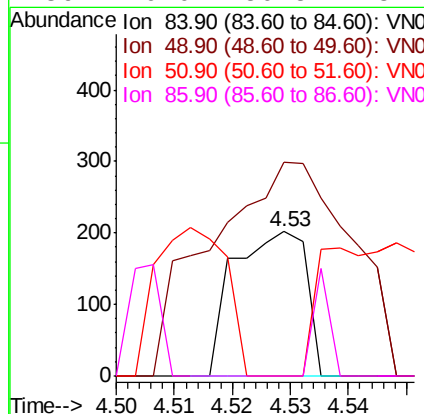
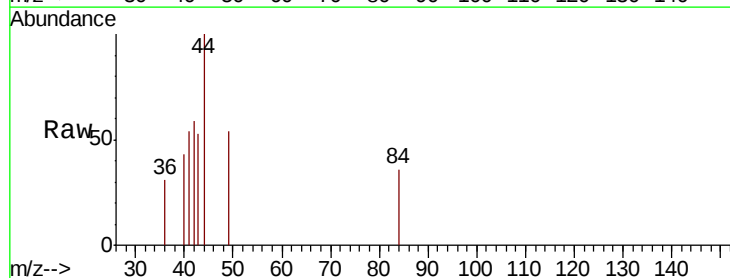
Instrument :
MSVOA_N
ClientSampled :
PZ-1

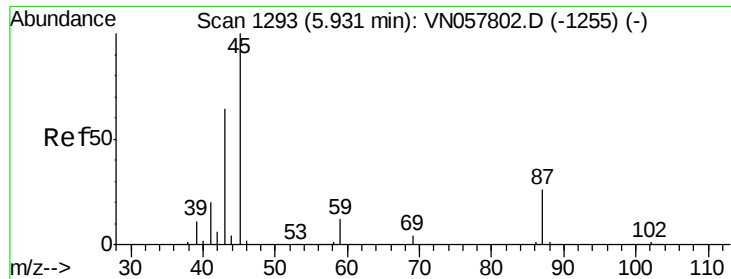
Tgt Ion: 73 Resp: 29776
Ion Ratio Lower Upper
73 100
57 27.3 18.2 27.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

Tgt Ion: 84 Resp: 175
Ion Ratio Lower Upper
84 100
49 64.9 104.8 157.2#
51 0.0 33.0 49.4#
86 0.0 50.5 75.7#

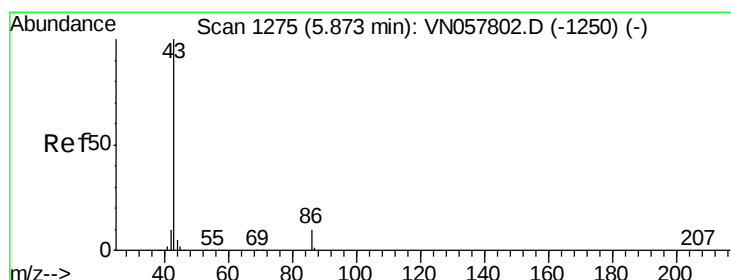
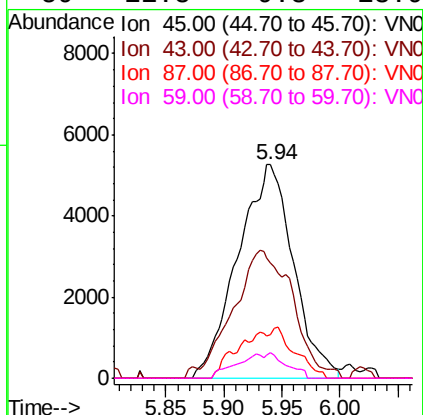
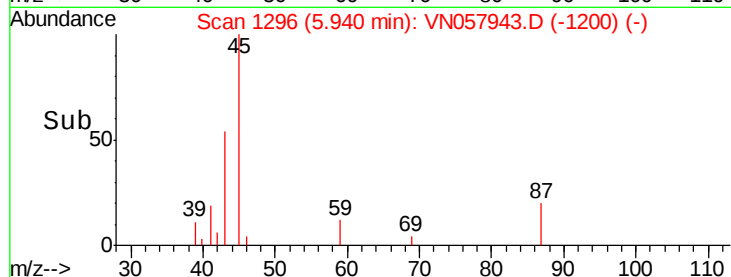
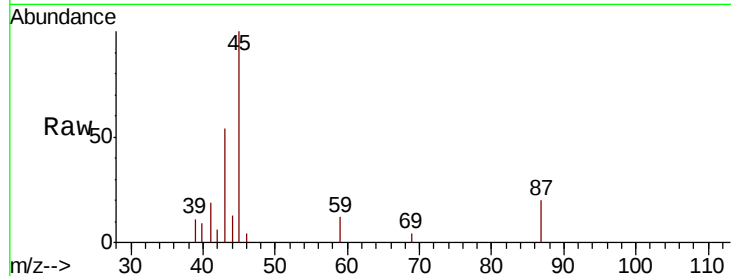




#22
Diisopropyl ether
Concen: 1.352 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

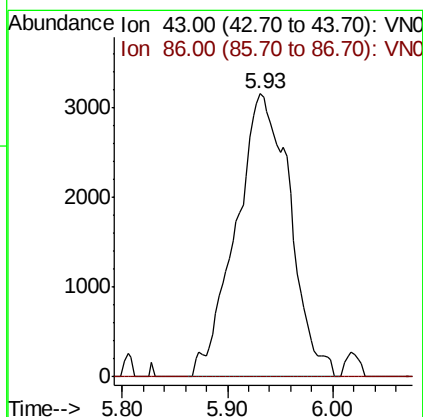
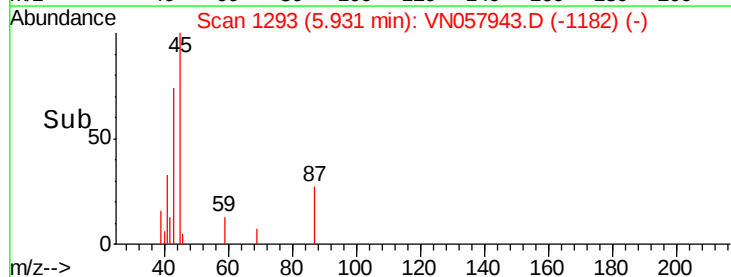
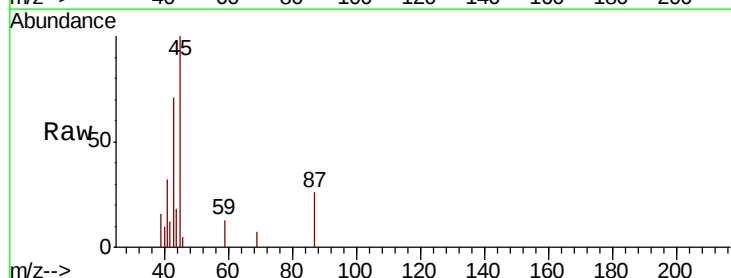
Instrument :
MSVOA_N
ClientSampled :
PZ-1

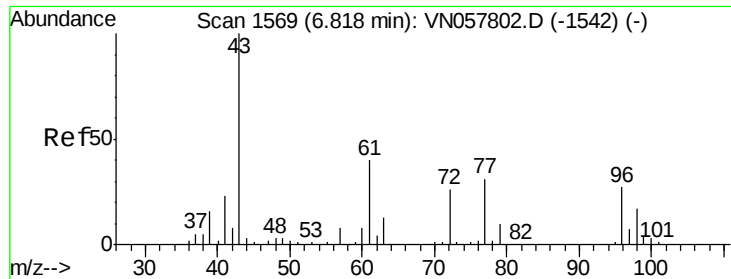
Tgt Ion: 45 Resp: 17503
Ion Ratio Lower Upper
45 100
43 50.2 51.4 77.2#
87 20.2 21.3 31.9#
59 11.8 9.3 13.9



#23
Vinyl Acetate
Concen: 1.230 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

Tgt Ion: 43 Resp: 11289
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#

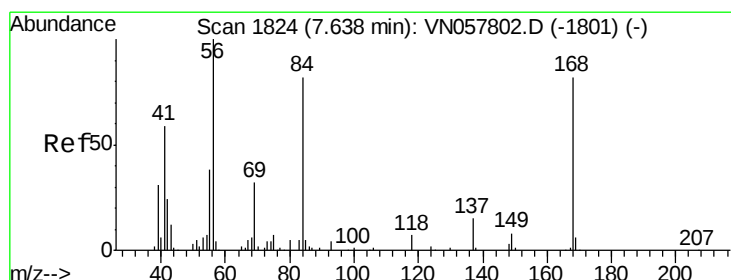
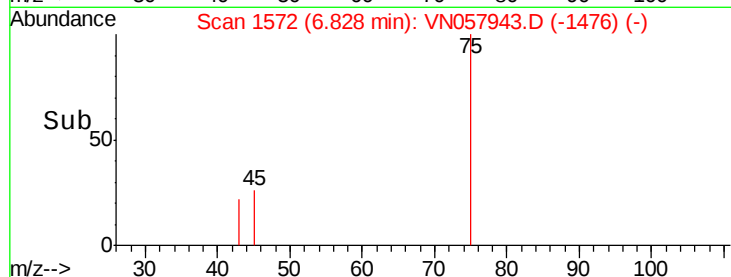
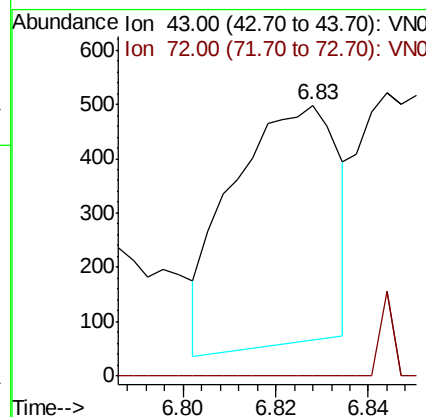
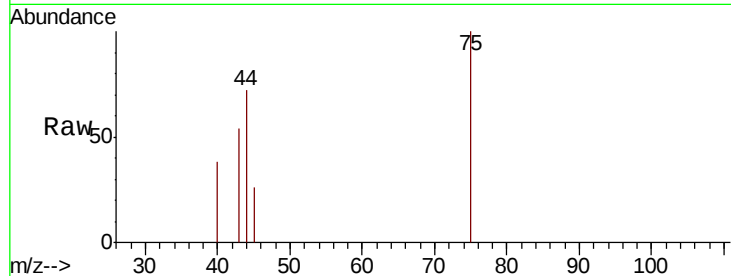




#25
2-Butanone
Concen: 0.271 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

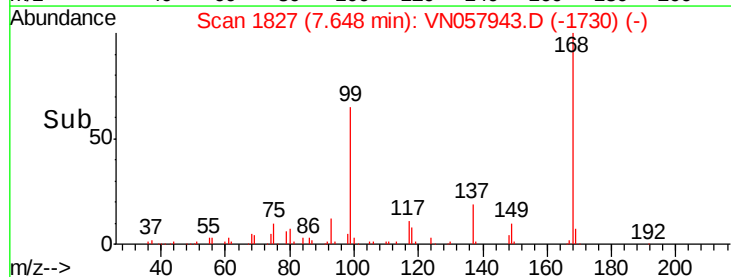
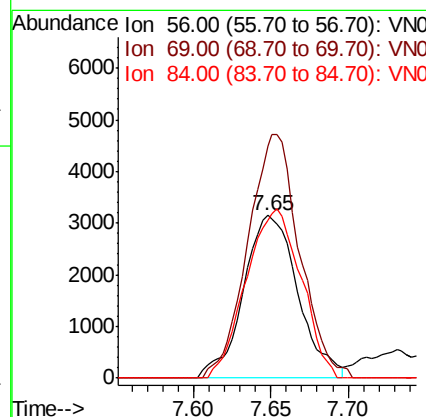
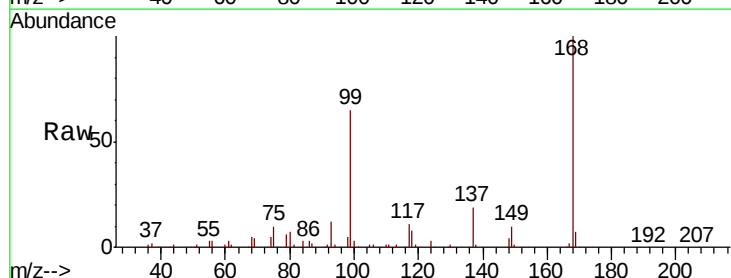
Instrument :
MSVOA_N
ClientSampled :
PZ-1

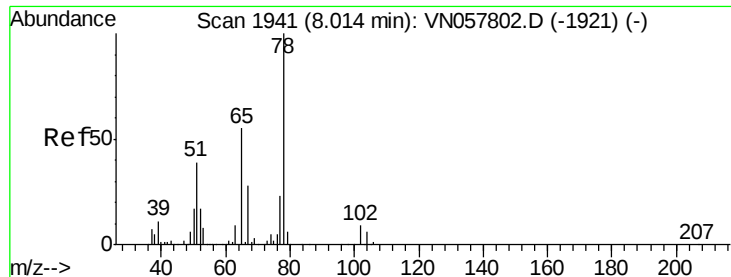
Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

Tgt Ion: 56 Resp: 7711
Ion Ratio Lower Upper
56 100
69 142.5 25.9 38.9#
84 97.0 65.6 98.4

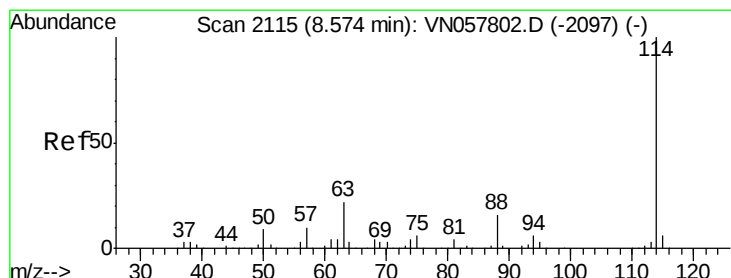
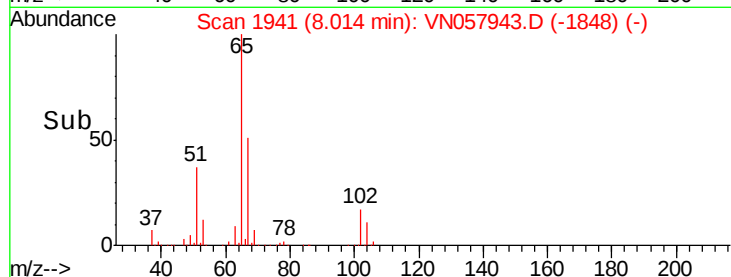
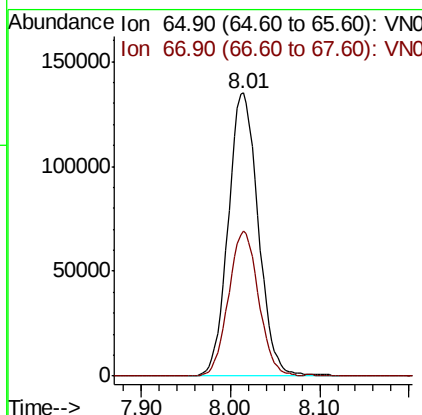
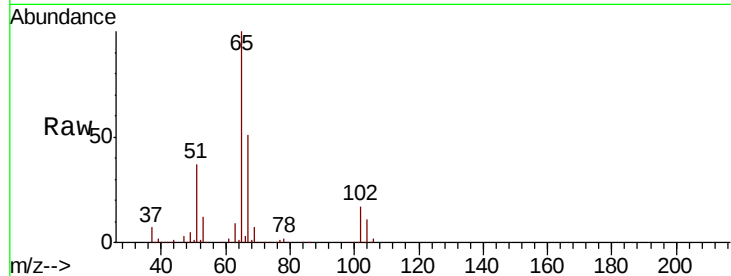




#33
 1,2-Dichloroethane-d4
 Concen: 58.857 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057943.D
 Acq: 11 Sep 2019 22:45

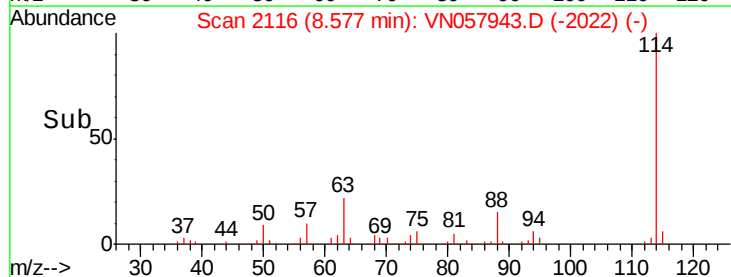
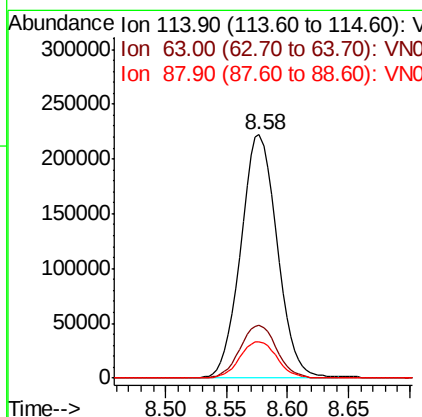
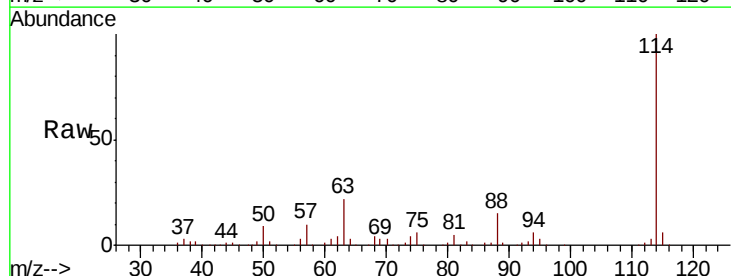
Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-1

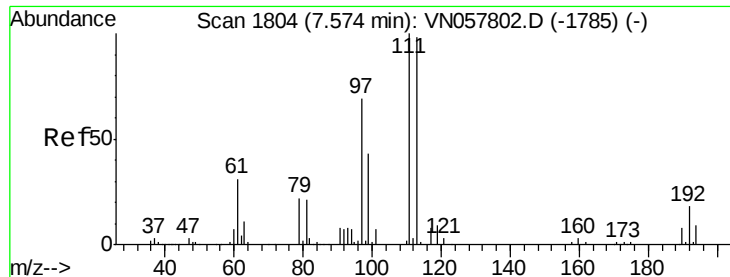
Tgt Ion: 65 Resp: 315820
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057943.D
 Acq: 11 Sep 2019 22:45

Tgt Ion: 114 Resp: 457918
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 15.1 0.0 31.4

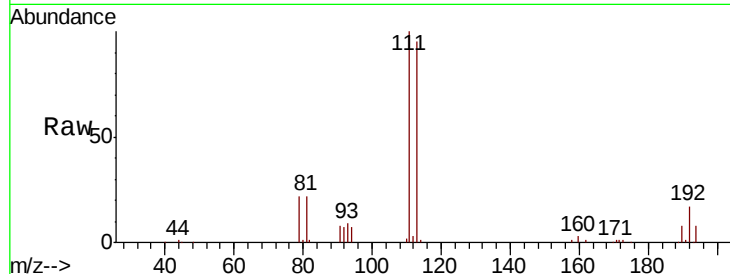




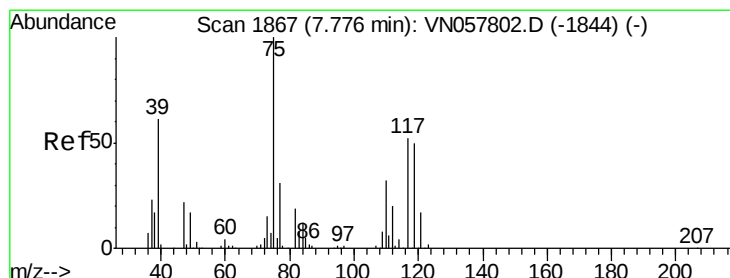
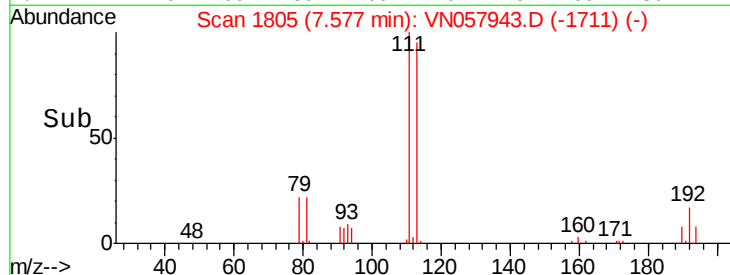
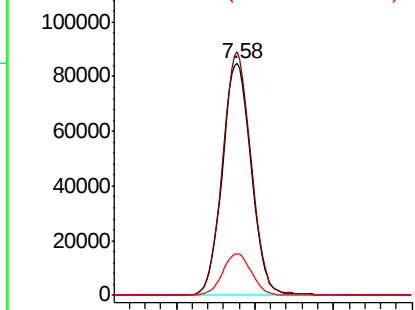
#35
 Dibromofluoromethane
 Concen: 50.883 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057943.D
 Acq: 11 Sep 2019 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-1

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	18.0	14.6	22.0

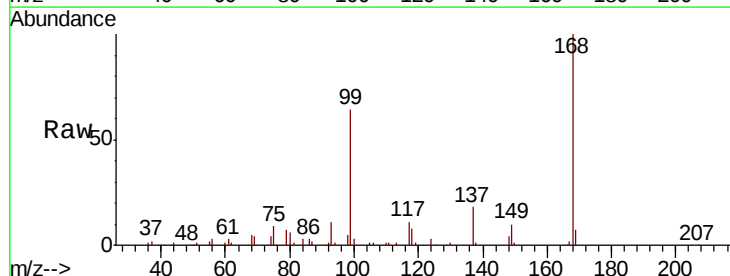


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

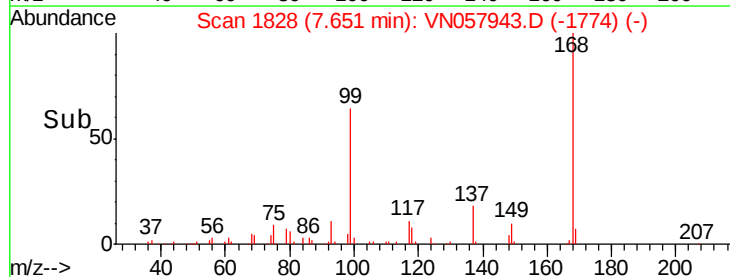
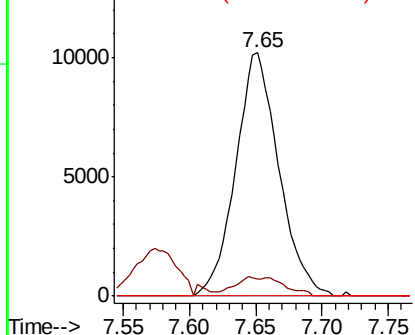


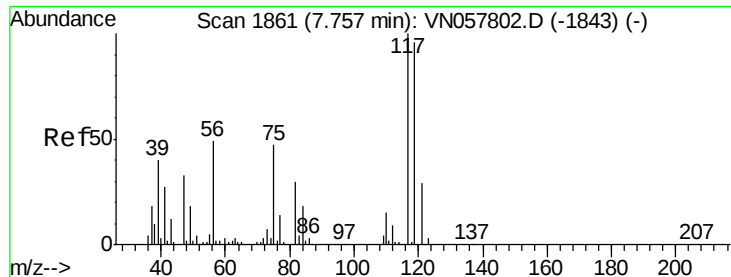
#36
 1,1-Dichloropropene
 Concen: 4.351 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057943.D
 Acq: 11 Sep 2019 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.9	16.3	48.9#
77	0.0	25.0	37.4#



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

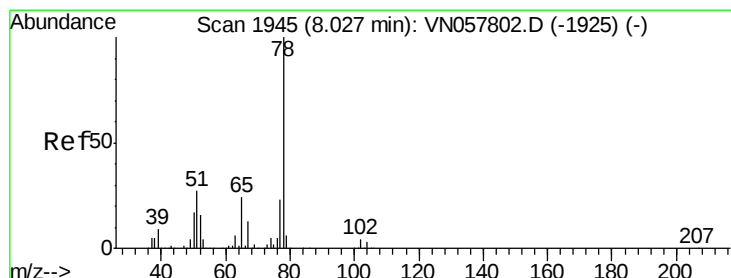
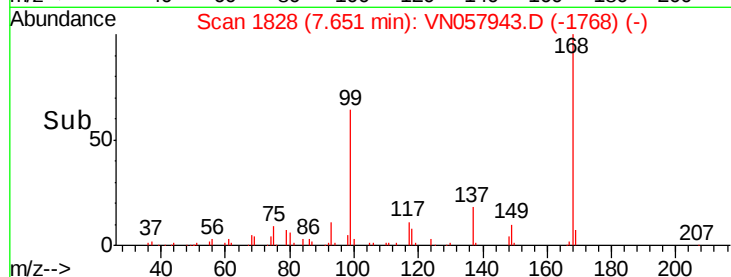
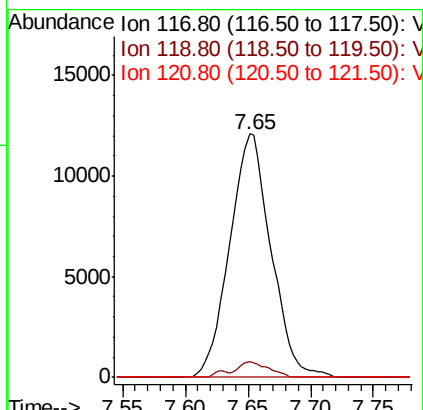
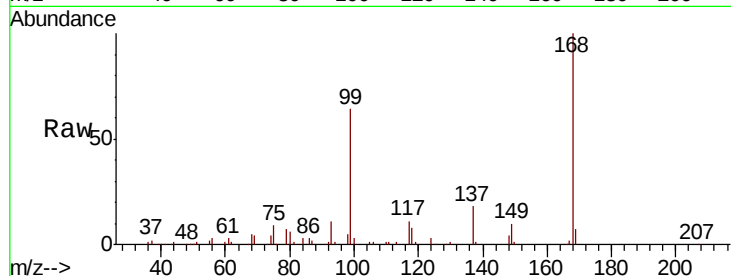




#38
Carbon Tetrachloride
Concen: 5.694 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

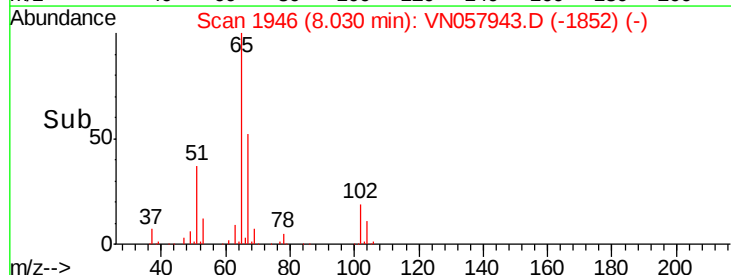
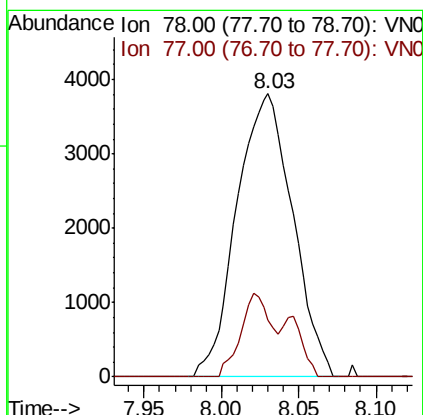
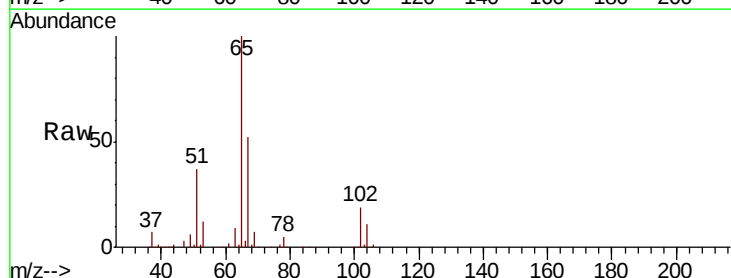
Instrument :
MSVOA_N
ClientSampled :
PZ-1

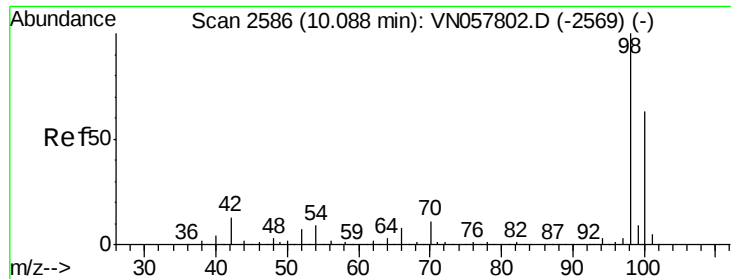
Tgt Ion:117 Resp: 27607
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 23.4 35.2#



#40
Benzene
Concen: 0.597 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057943.D
Acq: 11 Sep 2019 22:45

Tgt Ion: 78 Resp: 9542
Ion Ratio Lower Upper
78 100
77 20.3 18.3 27.5





#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampled :

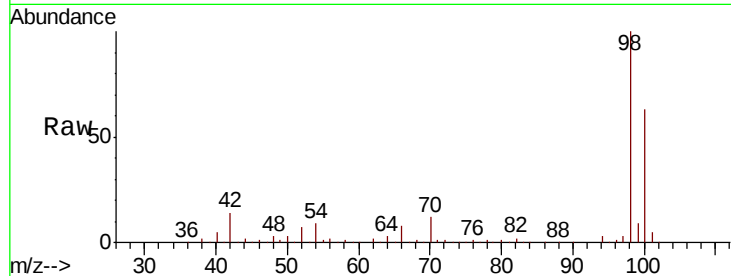
PZ-1

Tgt Ion: 98 Resp: 850325

Ion Ratio Lower Upper

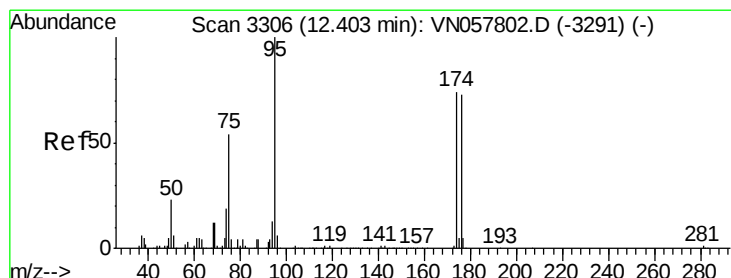
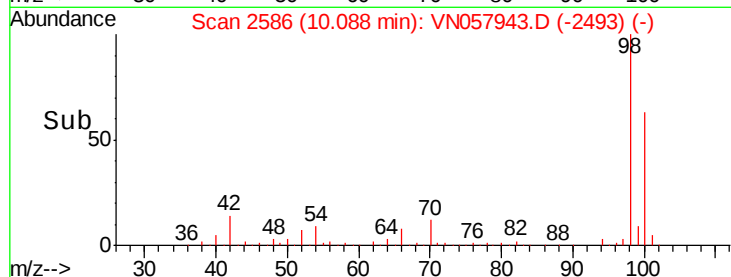
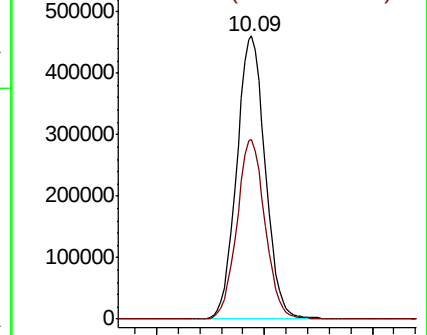
98 100

100 63.0 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 44.423 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

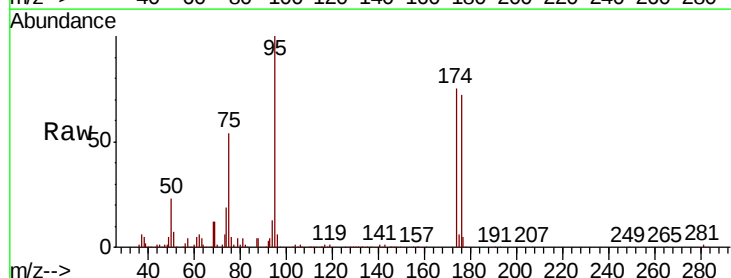
Tgt Ion: 95 Resp: 277794

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

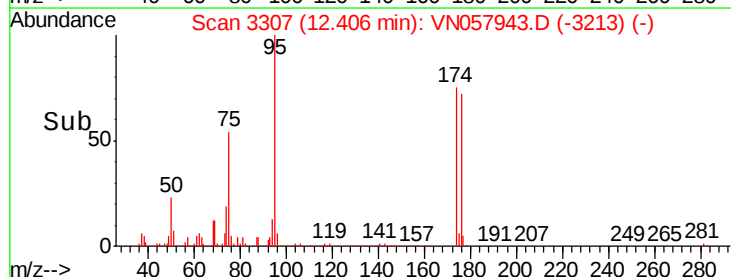
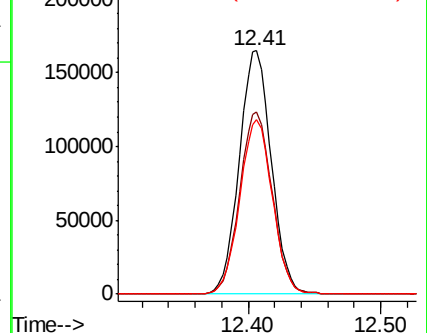
176 72.9 0.0 146.0

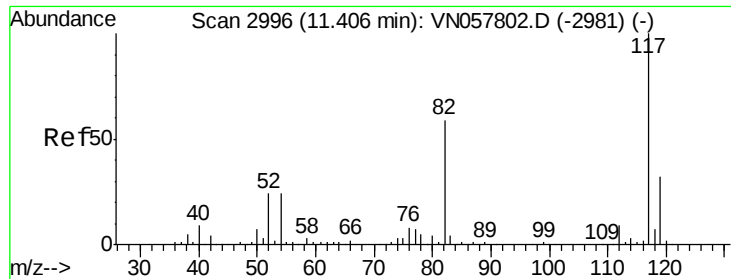


Abundance Ion 94.90 (94.60 to 95.60): VN0

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: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

PZ-1

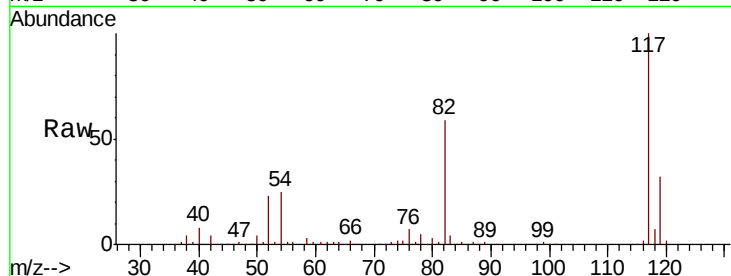
Tgt Ion:117 Resp: 408711

Ion Ratio Lower Upper

117 100

82 59.5 47.2 70.8

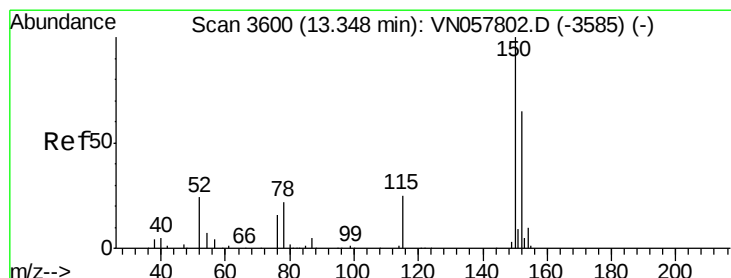
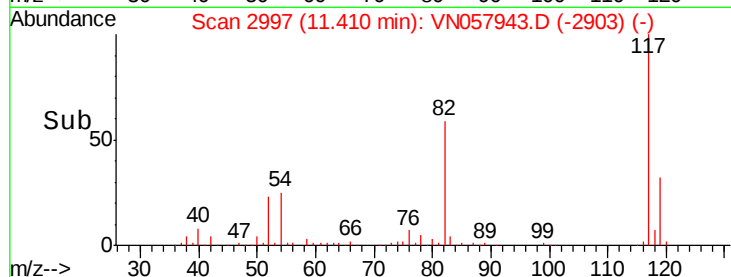
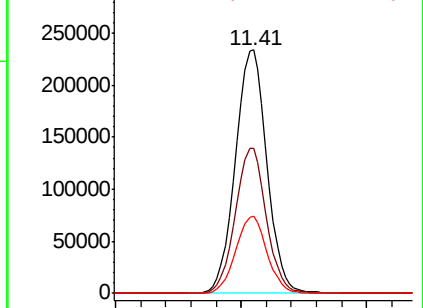
119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN057943.D

Acq: 11 Sep 2019 22:45

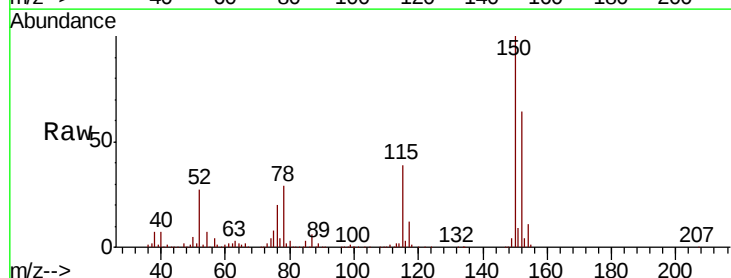
Tgt Ion:152 Resp: 211112

Ion Ratio Lower Upper

152 100

115 61.4 30.3 91.0

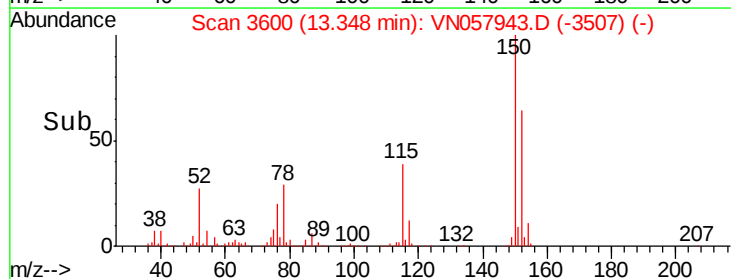
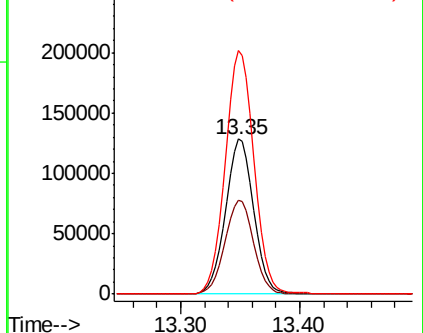
150 159.6 0.0 352.4

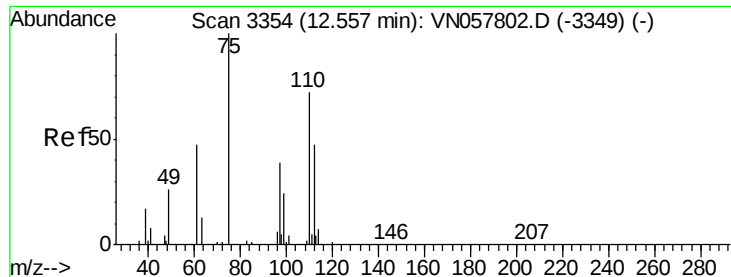


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.556 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

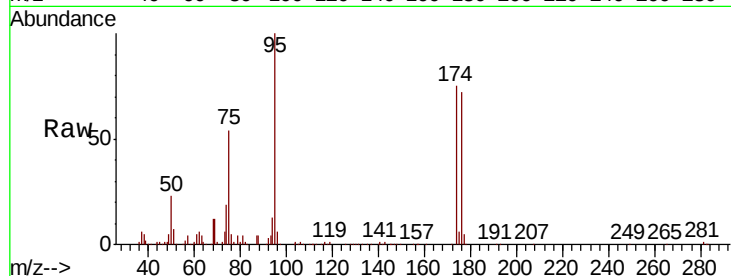
PZ-1

Tgt Ion: 75 Resp: 150704

Ion Ratio Lower Upper

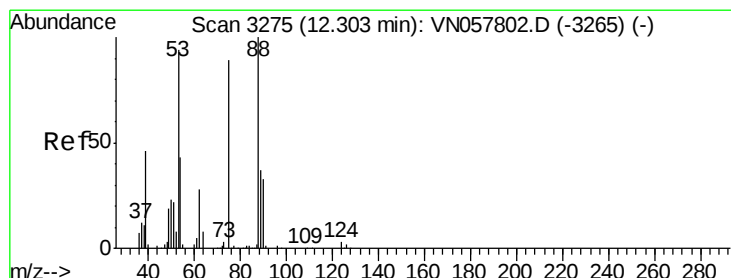
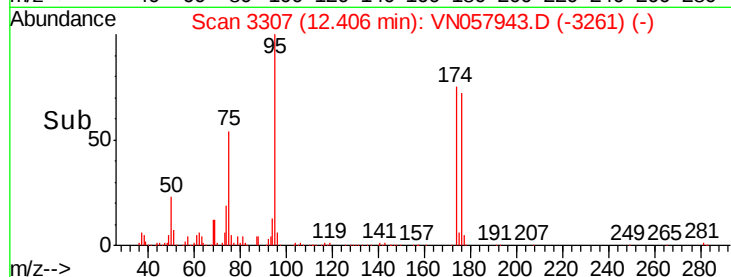
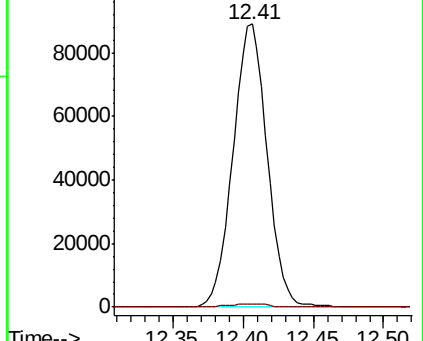
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 111.047 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

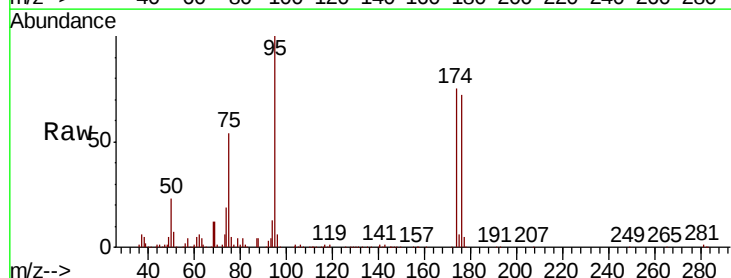
Tgt Ion: 75 Resp: 150704

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

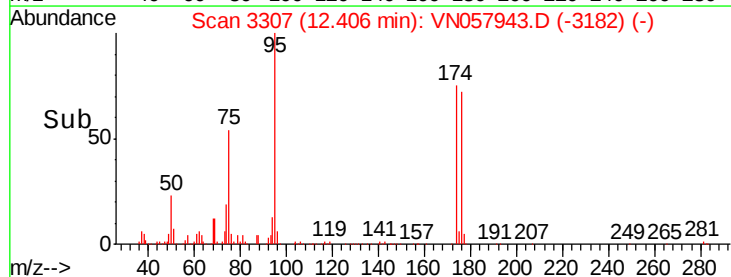
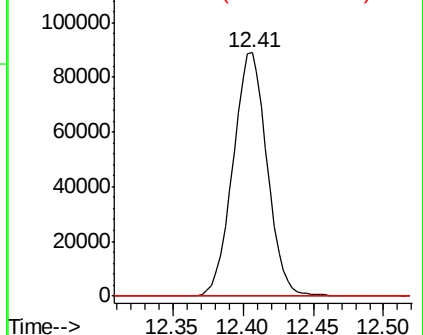
89 0.0 35.3 52.9#

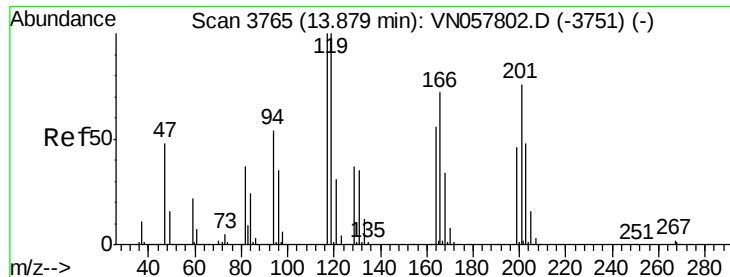


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 0.205 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.11 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampled :

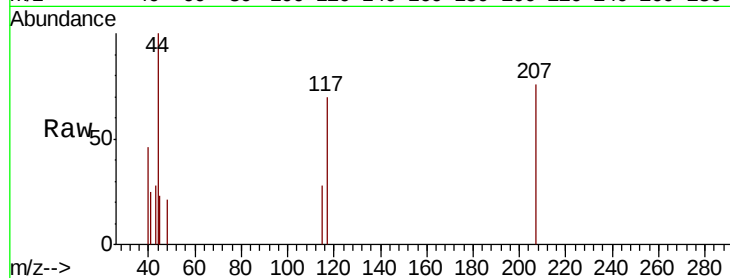
PZ-1

Tgt Ion:117 Resp: 439

Ion Ratio Lower Upper

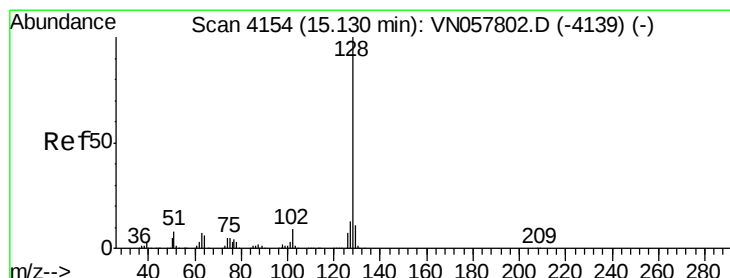
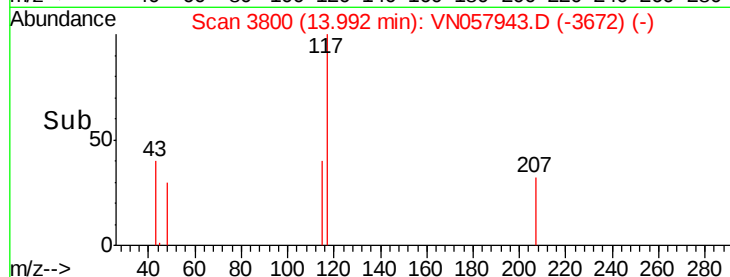
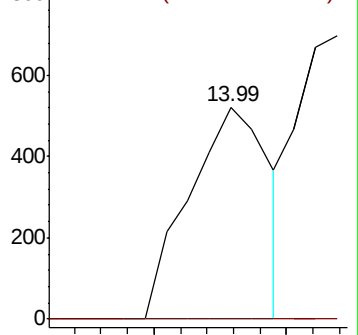
117 100

201 0.0 37.5 112.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

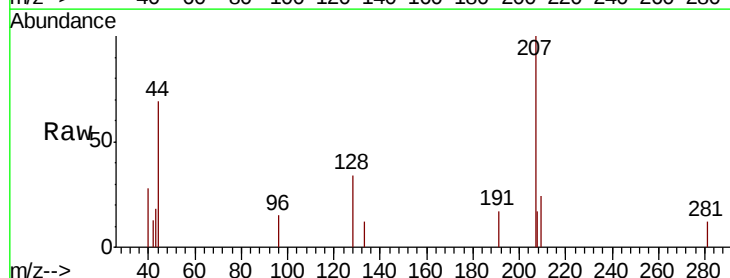
Tgt Ion:128 Resp: 509

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 12.8#



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

