

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059519.D
 Acq On : 6 Dec 2019 16:43
 Operator : JC/SP
 Sample : K6147-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 22:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	231735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	382665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	136138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	171768	59.67	ug/l	0.00
Spiked Amount			Recovery	=	119.34%	
35) Dibromofluoromethane	7.57	113	122382	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.08	98	485475	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	157439	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

Target Compounds

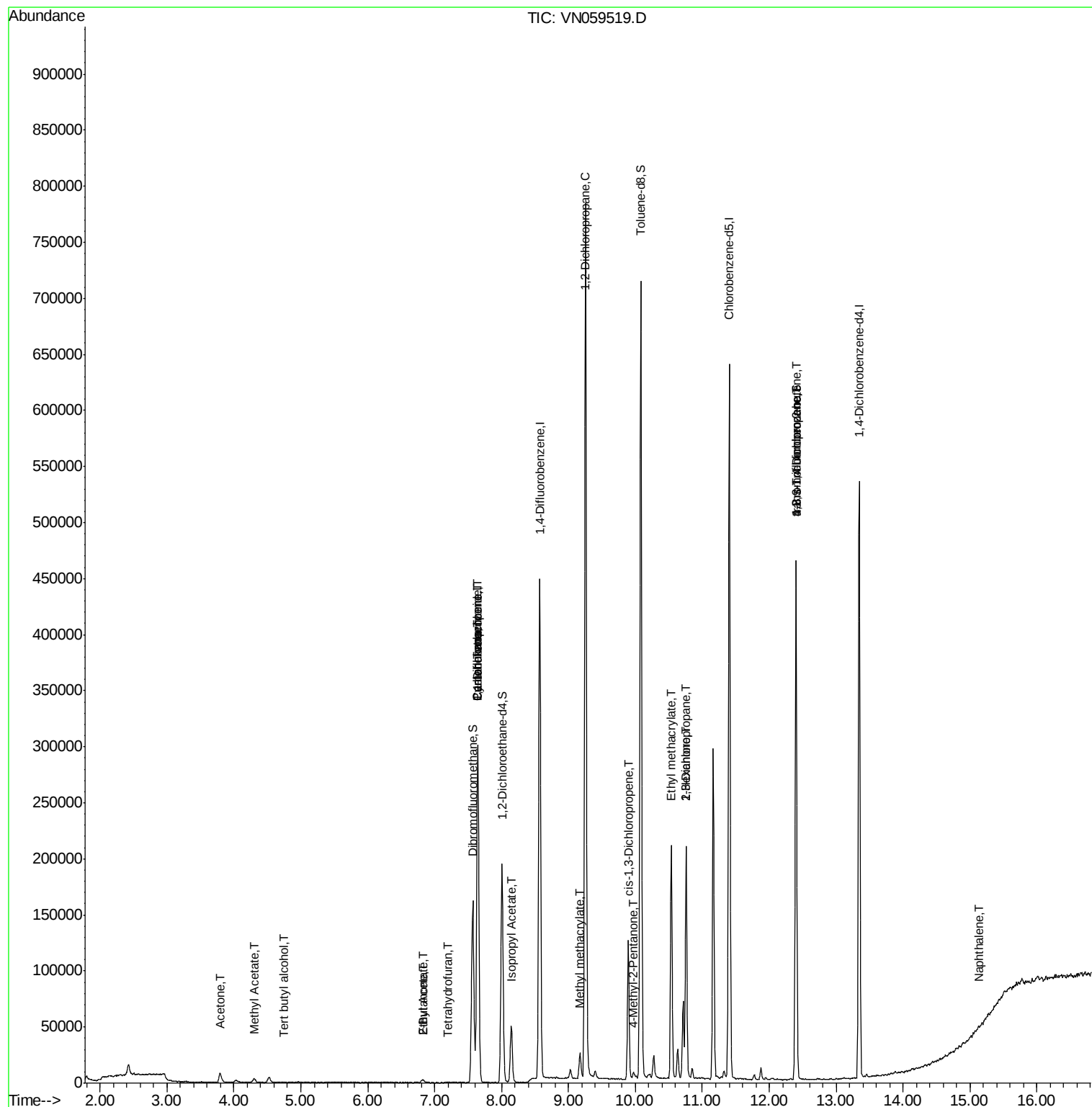
						Qvalue
11) Tert butyl alcohol	4.75	59	579	1.067	ug/l #	73
16) Acetone	3.79	43	14187	3.697	ug/l	97
18) Methyl Acetate	4.30	43	5627	1.452	ug/l #	67
25) 2-Butanone	6.82	43	5293	2.419	ug/l	95
29) Tetrahydrofuran	7.20	42	306	0.222	ug/l #	52
31) Cyclohexane	7.64	56	5415	1.116	ug/l #	21
36) 1,1-Dichloropropene	7.65	75	19286	4.843	ug/l #	49
37) Ethyl Acetate	6.82	43	5293	1.190	ug/l #	68
38) Carbon Tetrachloride	7.64	117	23211	6.060	ug/l #	16
43) Isopropyl Acetate	8.15	43	59564	9.003	ug/l #	89
45) 1,2-Dichloropropane	9.26	63	935	0.300	ug/l #	44
48) Methyl methacrylate	9.17	41	4413	1.479	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3843	0.979	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	20212	4.167	ug/l #	70
56) Ethyl methacrylate	10.54	69	854	1.636	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	2085	0.434	ug/l #	42
59) 2-Hexanone	10.76	43	33094	11.198	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	85098	25.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	85098	65.976	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59	Below Cal	#	2
95) Naphthalene	15.13	128	62	2.435	ug/l #	69

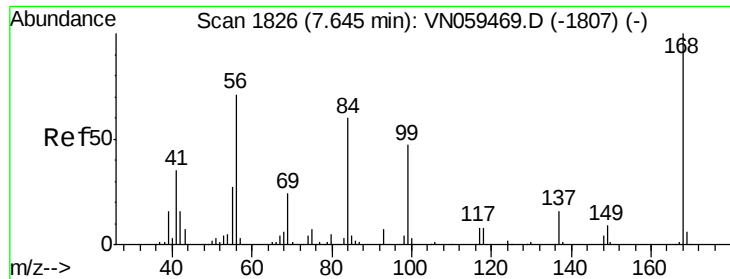
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

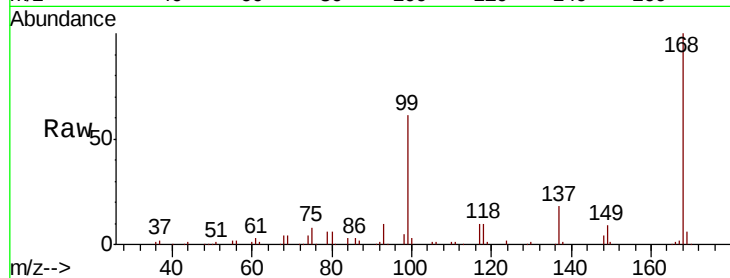
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 231735

Ion Ratio Lower Upper

168 100

99 60.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

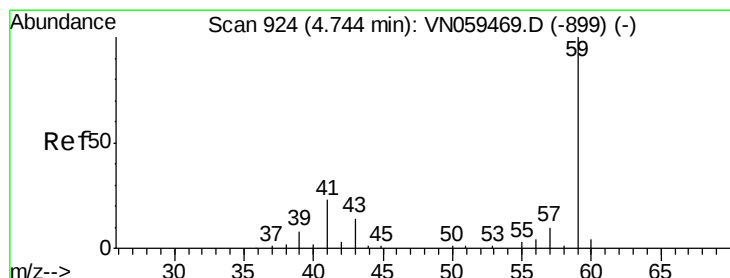
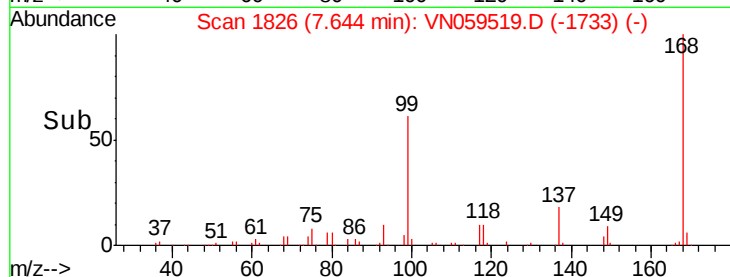
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.067 ug/l

RT: 4.75 min Scan# 926

Delta R.T. 0.01 min

Lab File: VN059519.D

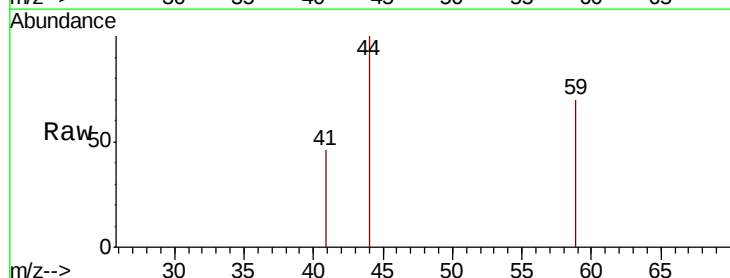
Acq: 6 Dec 2019 16:43

Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

300

250

200

150

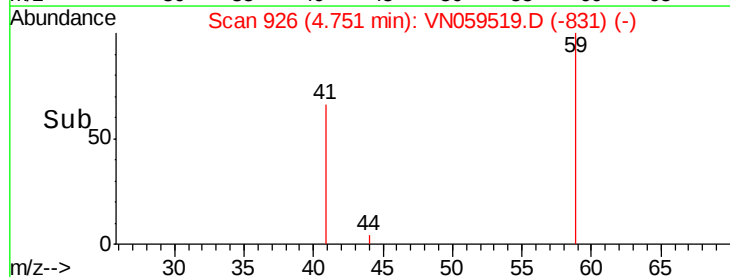
100

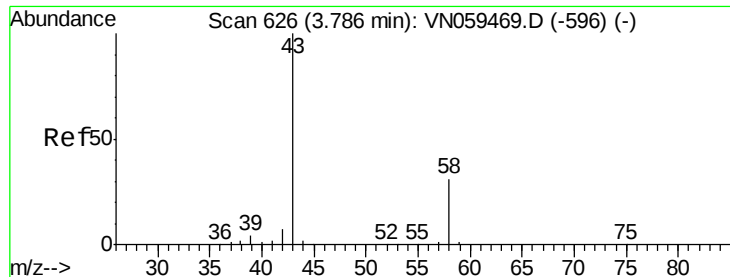
50

0

4.70 4.75

Time-->

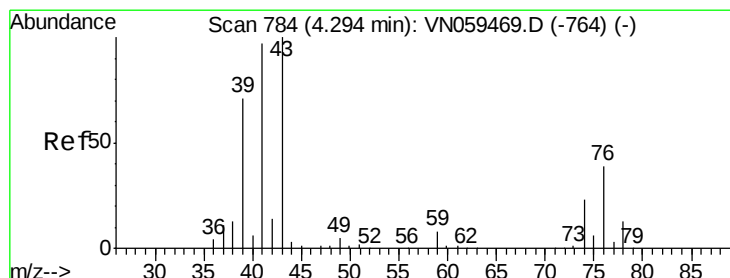
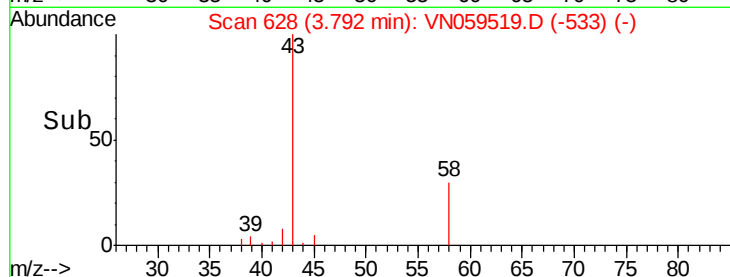
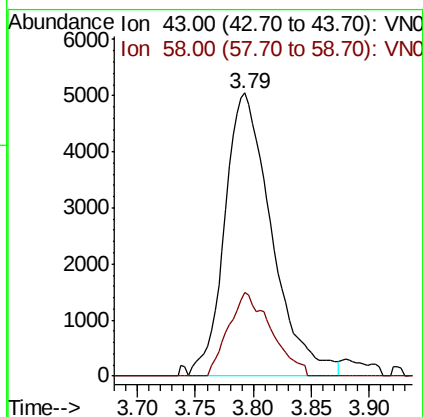
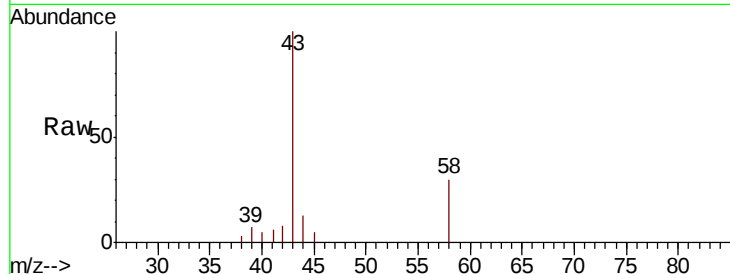




#16
Acetone
Concen: 3.697 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

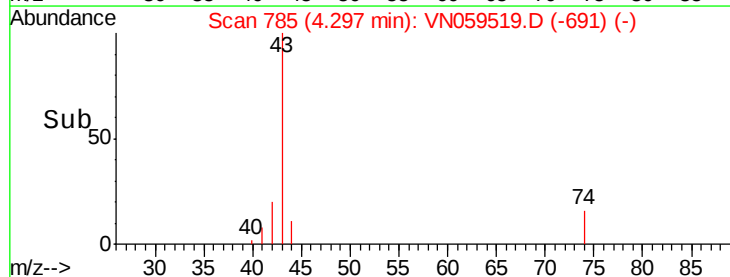
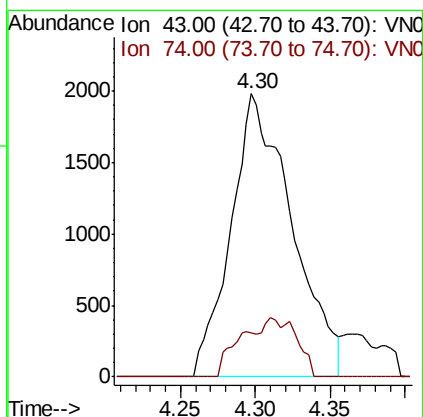
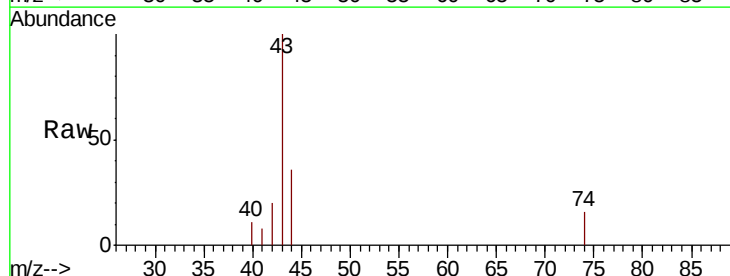
Instrument :
MSVOA_N
ClientSampleId :

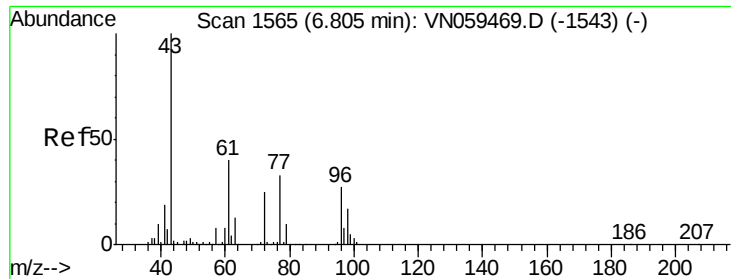
Tot Ion: 43 Resp: 14187
Ion Ratio Lower Upper
43 100
58 29.5 24.9 37.3



#18
Methyl Acetate
Concen: 1.452 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
74 7.1 18.3 27.5#

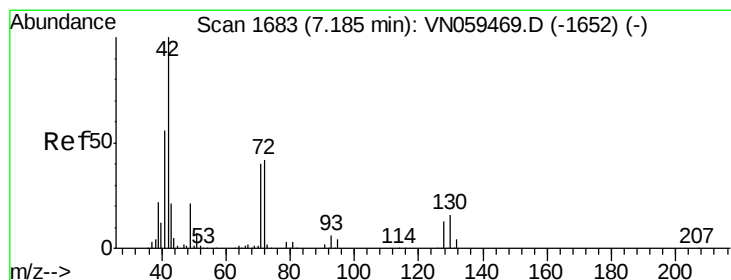
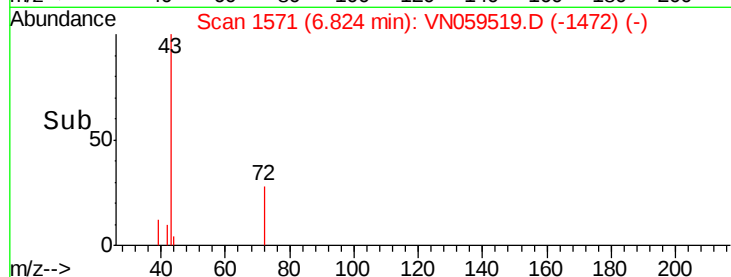
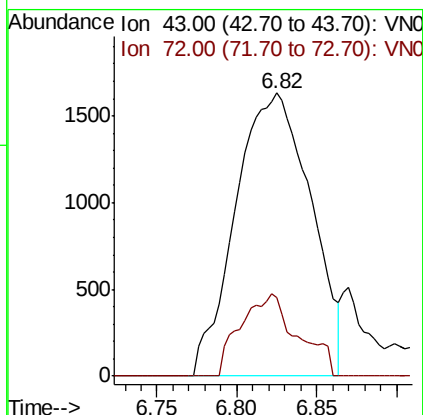
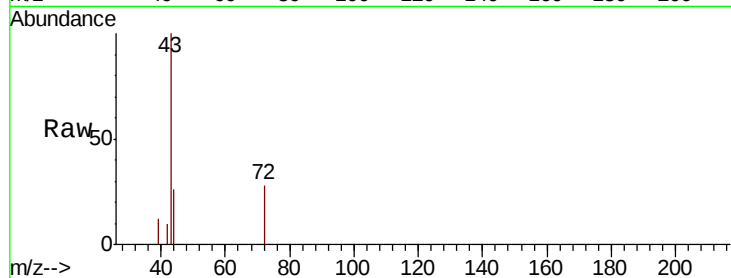




#25
2-Butanone
Concen: 2.419 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.02 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

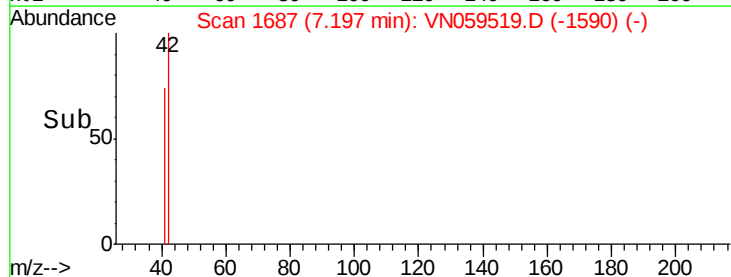
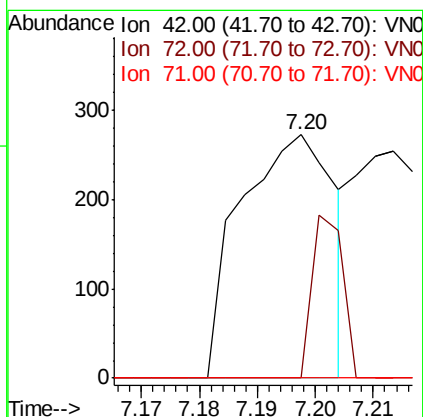
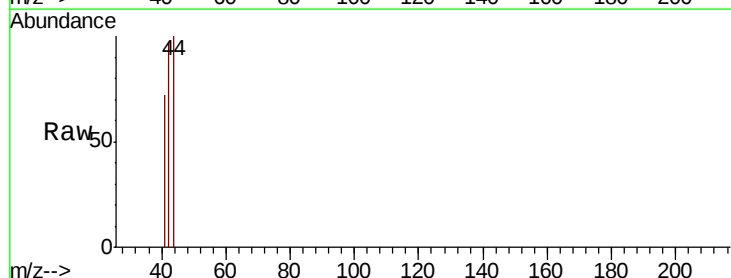
Instrument :
MSVOA_N
ClientSampled :

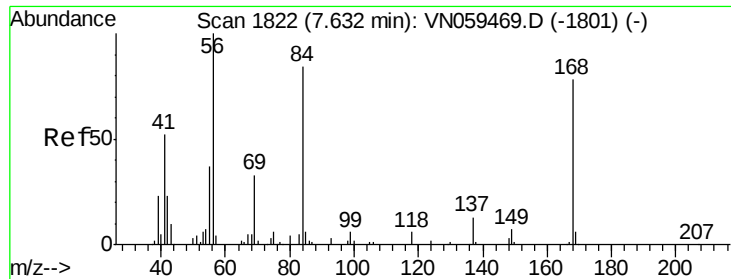
Tot Ion: 43 Resp: 5293
Ion Ratio Lower Upper
43 100
72 27.9 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.222 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Tgt Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 21.9 34.2 51.2#
71 0.0 32.0 48.0#

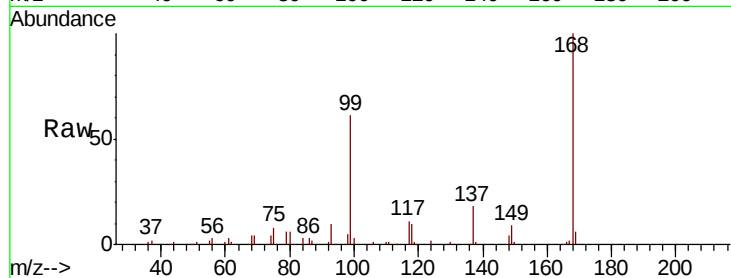




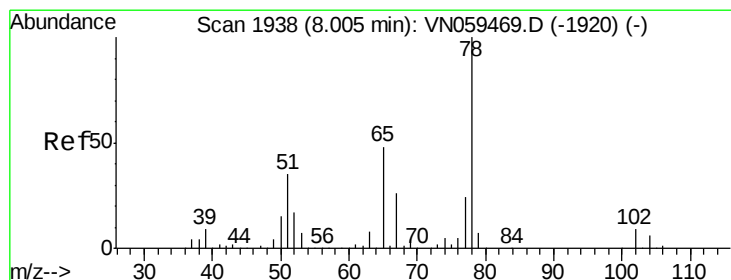
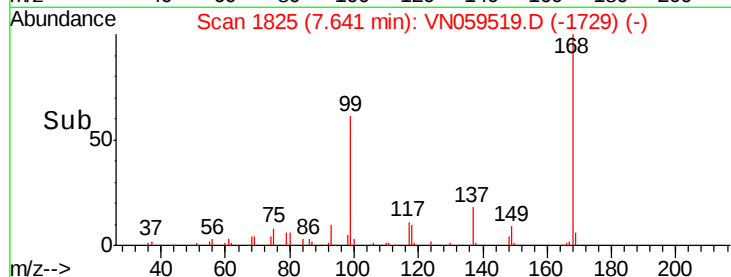
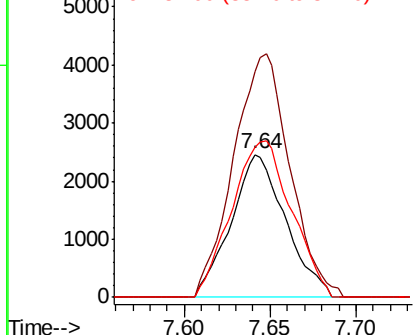
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5415
Ion Ratio Lower Upper
56 100
69 158.0 26.2 39.4#
84 104.7 66.8 100.2#

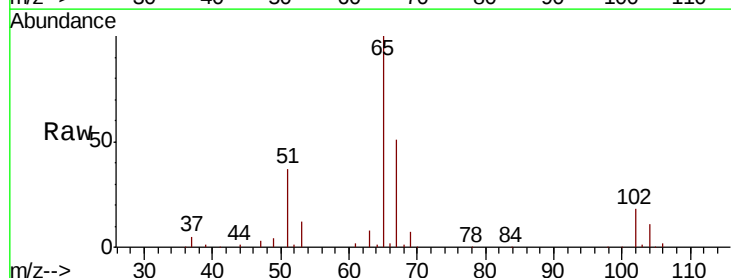


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

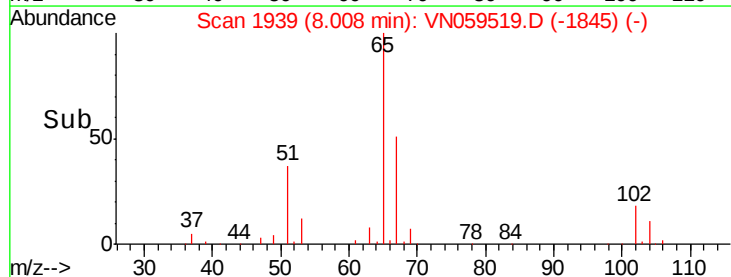
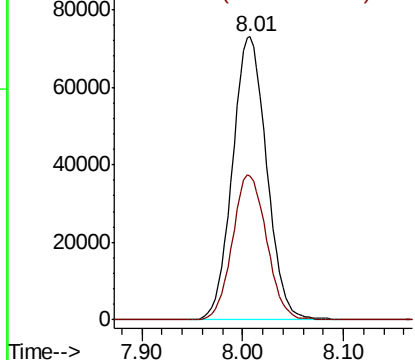


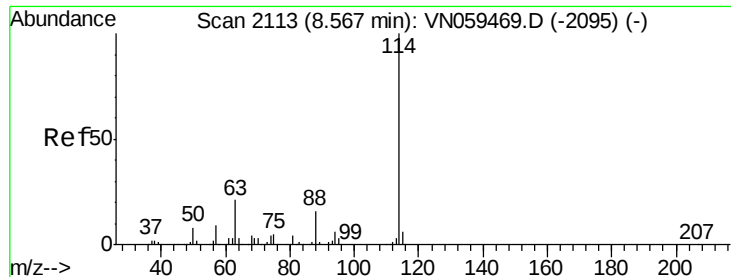
#33
1,2-Dichloroethane-d4
Concen: 59.667 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Tgt Ion: 65 Resp: 171768
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

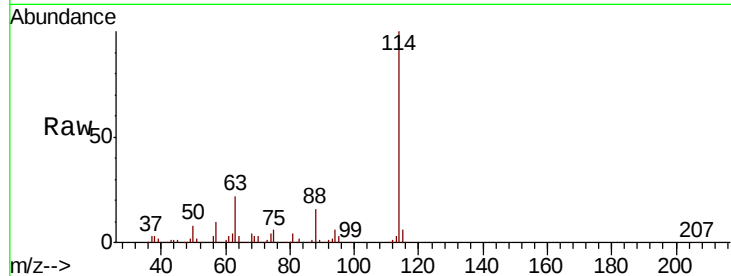




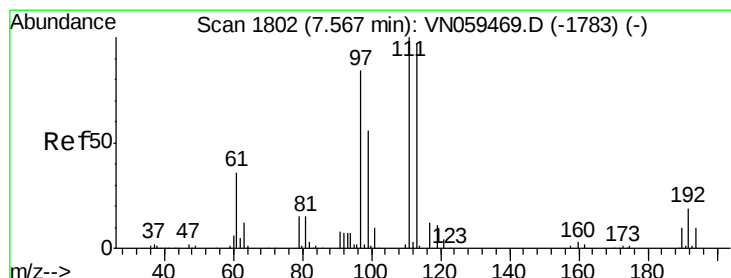
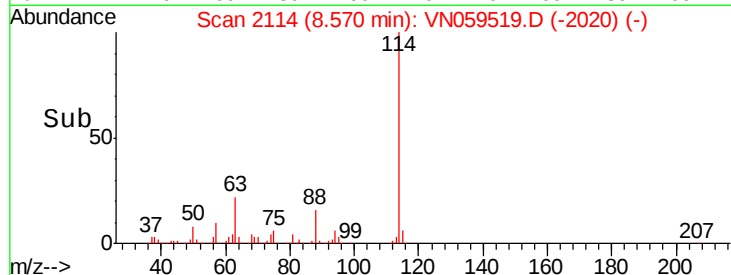
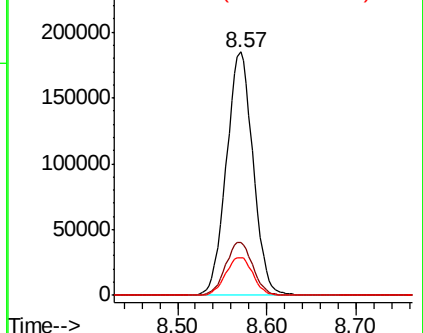
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.4
88	15.7	0.0	32.8

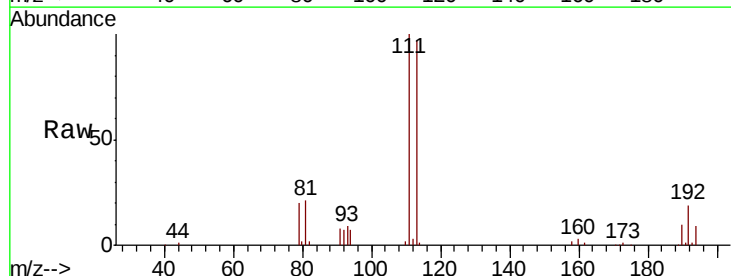


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

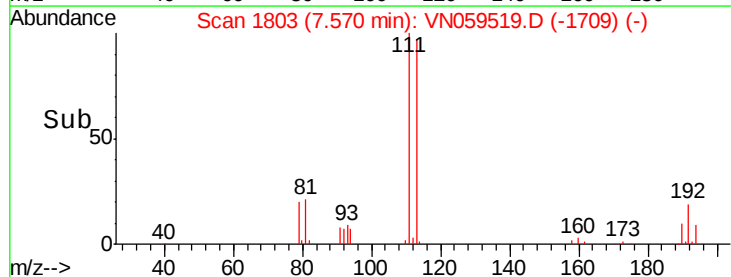
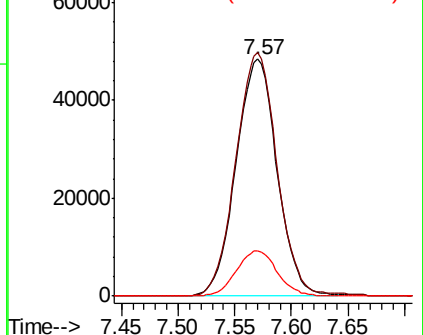


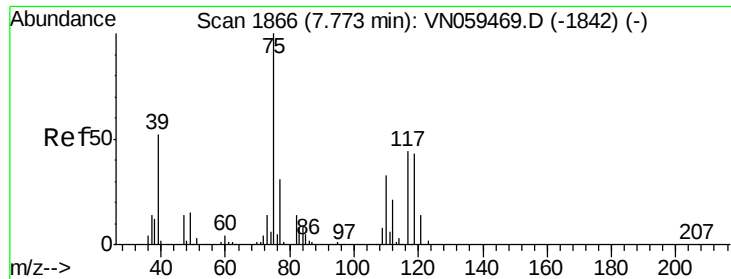
#35
 Dibromofluoromethane
 Concen: 51.349 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	19.1	16.1	24.1



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

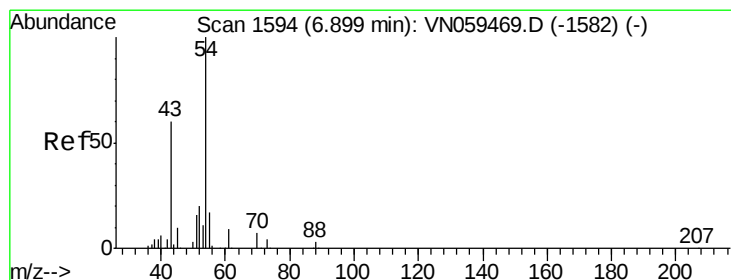
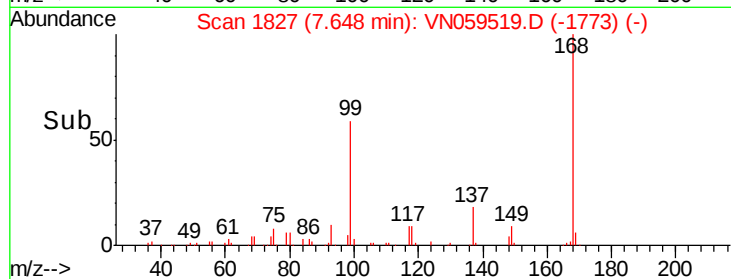
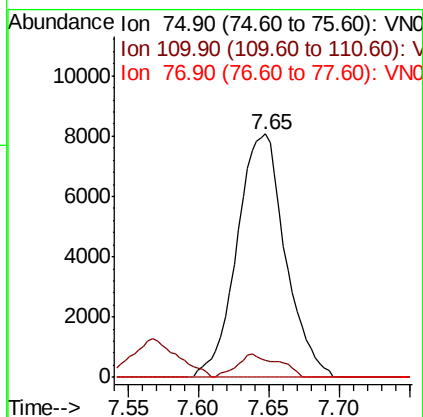
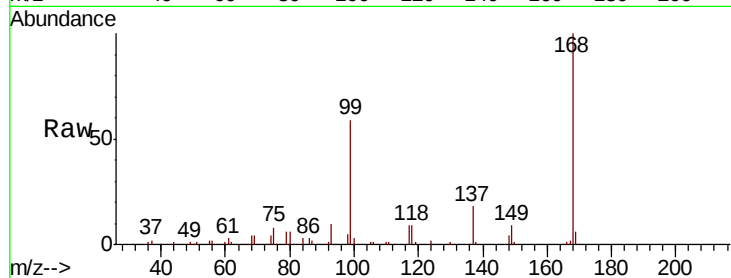




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

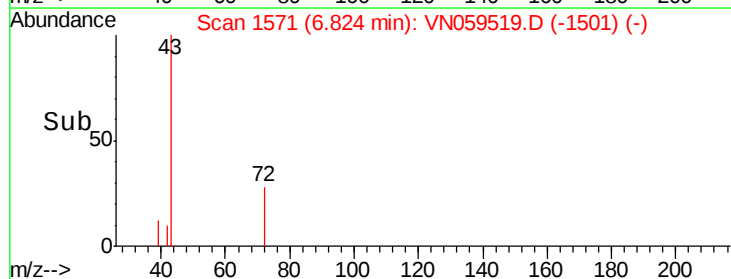
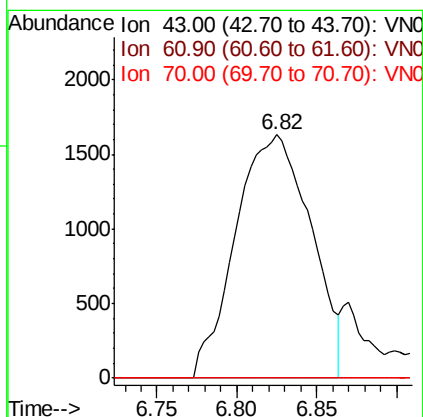
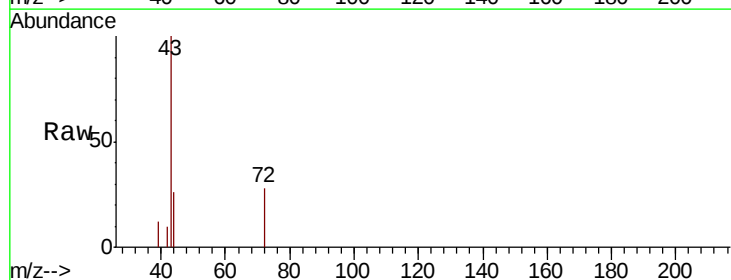
Instrument :
 MSVOA_N
 ClientSampleId :

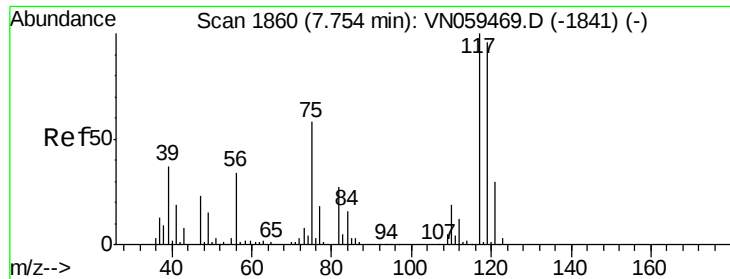
Tot Ion: 75 Resp: 19286
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.9 50.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.190 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.07 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

Tgt Ion: 43 Resp: 5293
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 8.3 12.5#

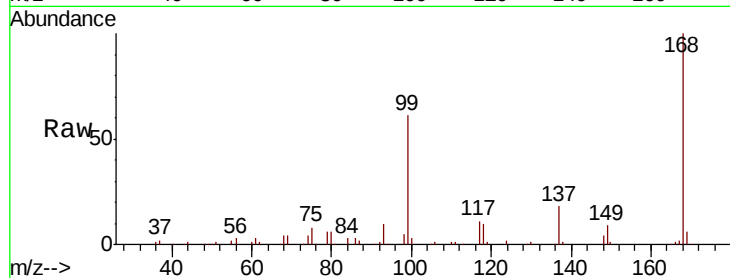




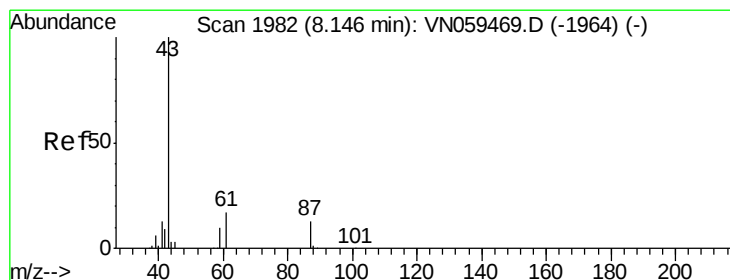
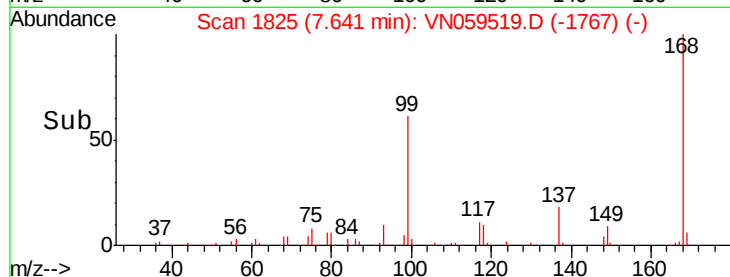
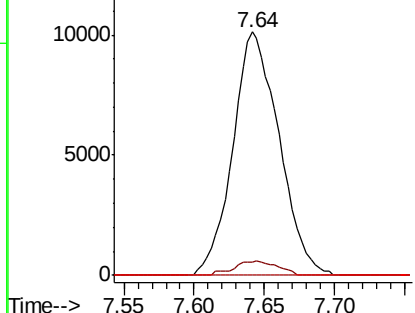
#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 23211
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 24.0 36.0#

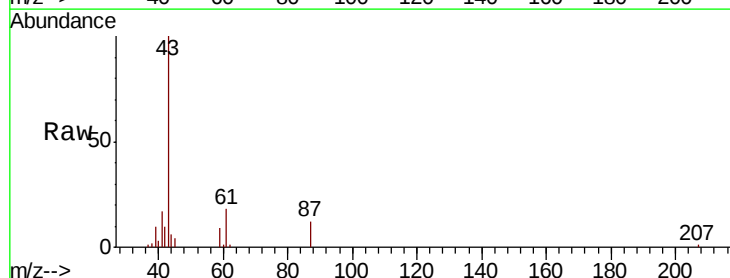


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

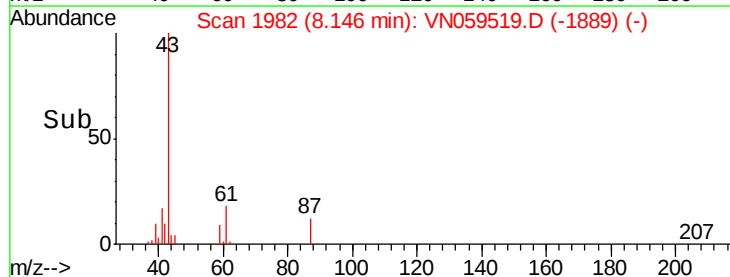
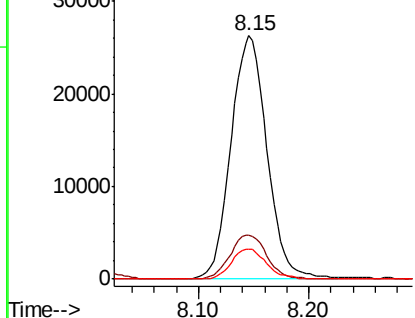


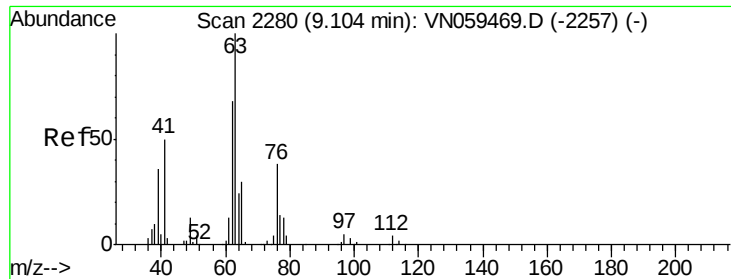
#43
Isopropyl Acetate
Concen: 9.003 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Tgt Ion: 43 Resp: 59564
Ion Ratio Lower Upper
43 100
61 18.3 21.0 31.6#
87 11.9 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

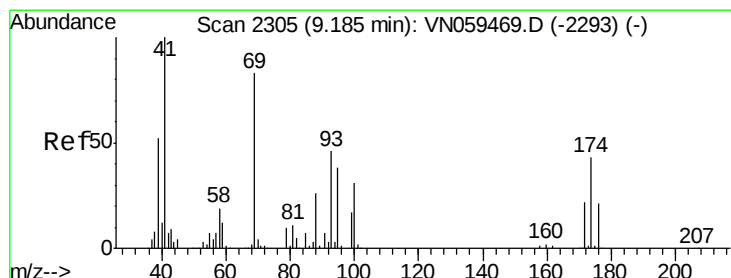
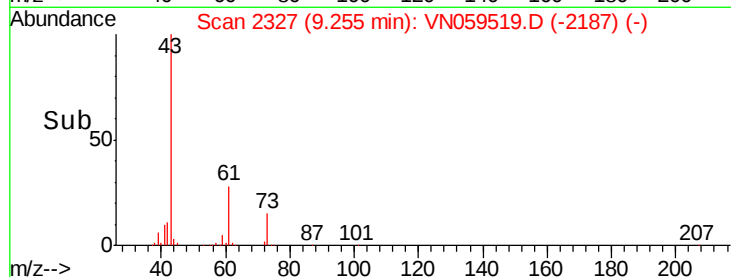
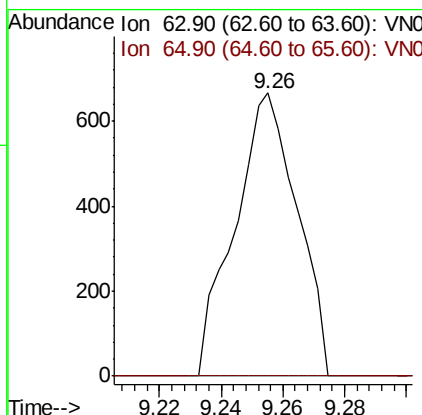
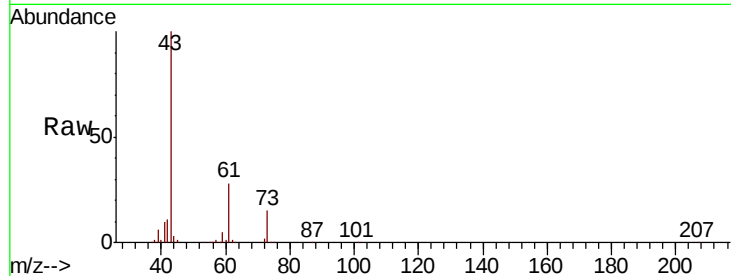




#45
 1,2-Dichloropropane
 Concen: 0.300 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

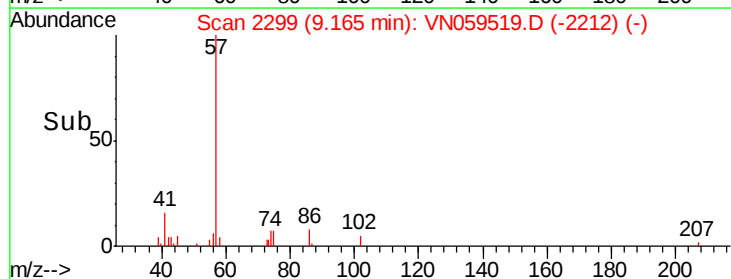
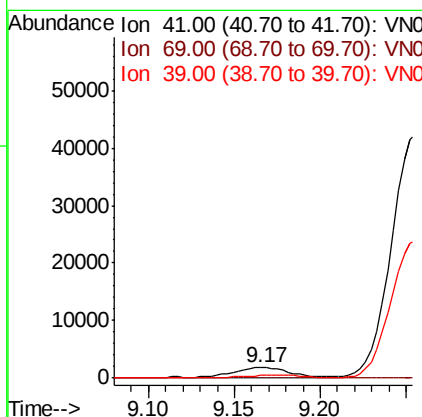
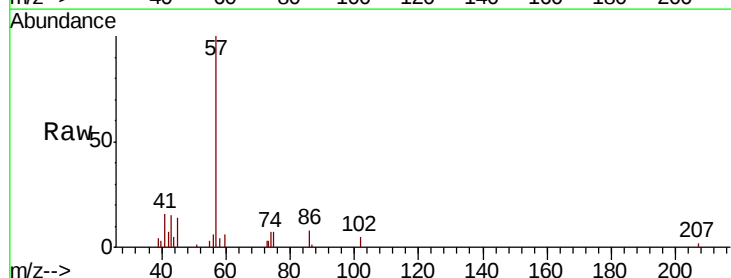
Instrument :
 MSVOA_N
 ClientSampled :

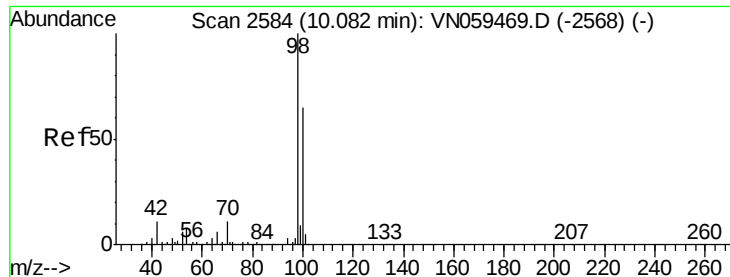
Tot Ion: 63 Resp: 935
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.479 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

Tgt Ion: 41 Resp: 4413
 Ion Ratio Lower Upper
 41 100
 69 0.0 68.6 103.0#
 39 0.0 43.2 64.8#





#50

Toluene-d8

Concen: 51.663 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

Instrument :

MSVOA_N

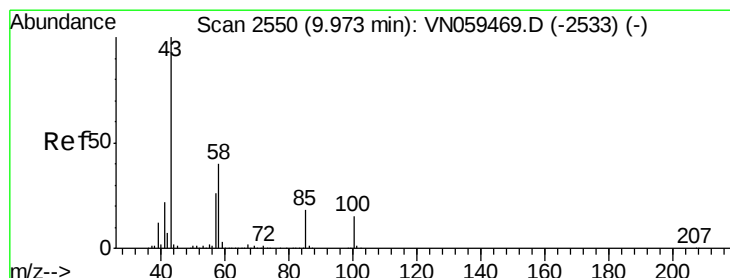
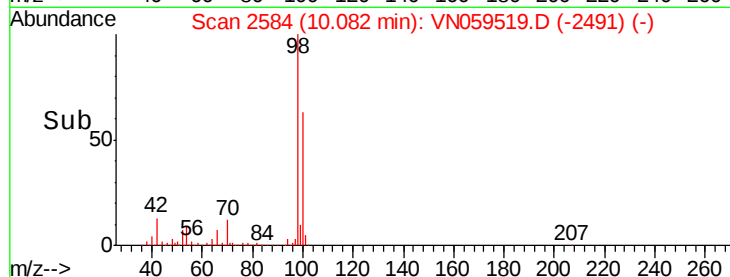
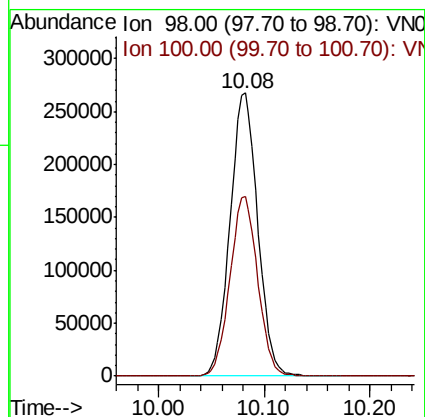
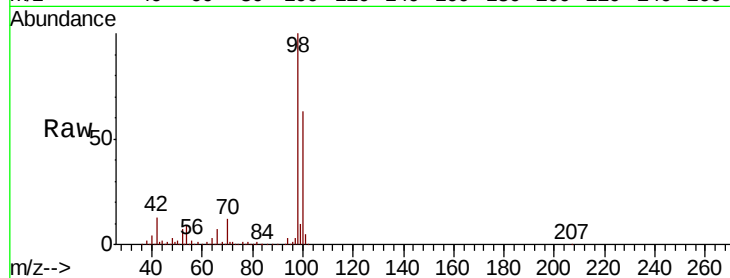
ClientSampled :

Tot Ion: 98 Resp: 485475

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 0.979 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059519.D

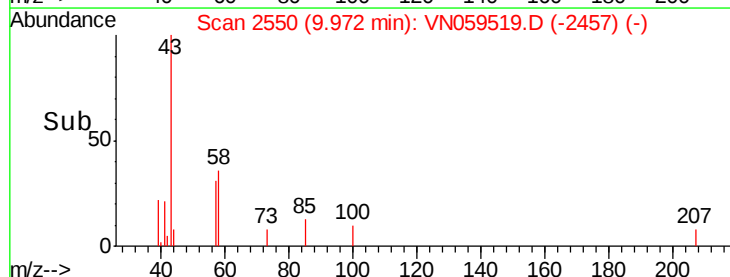
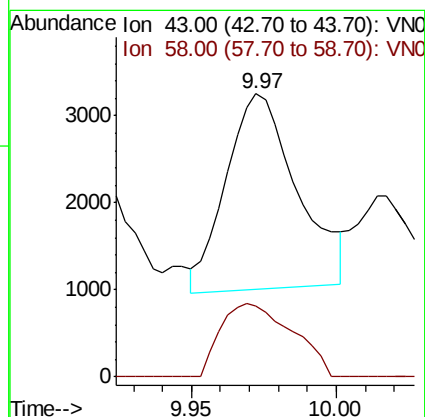
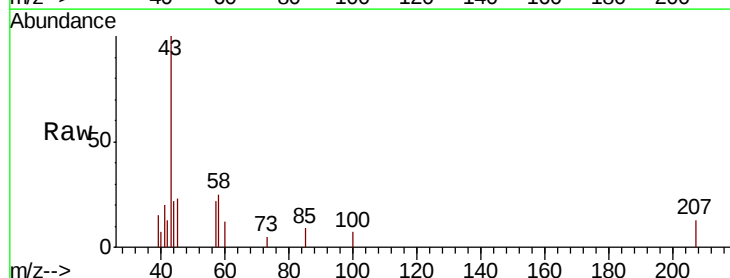
Acq: 6 Dec 2019 16:43

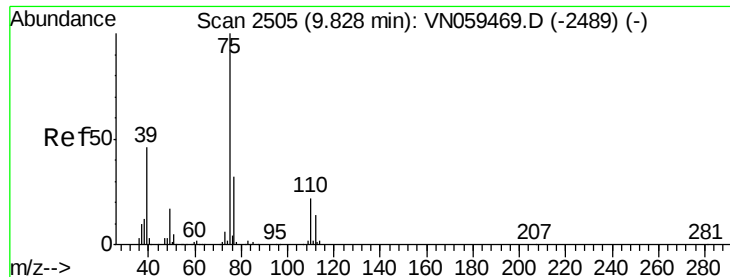
Tgt Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

58 37.8 32.1 48.1



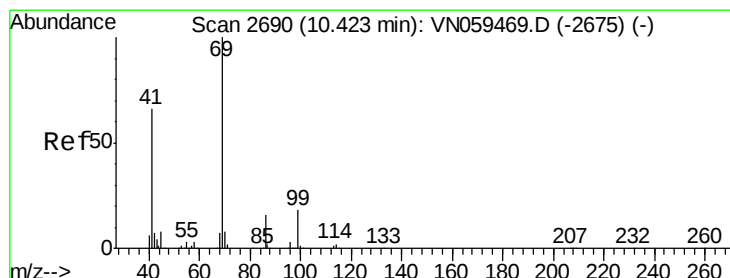
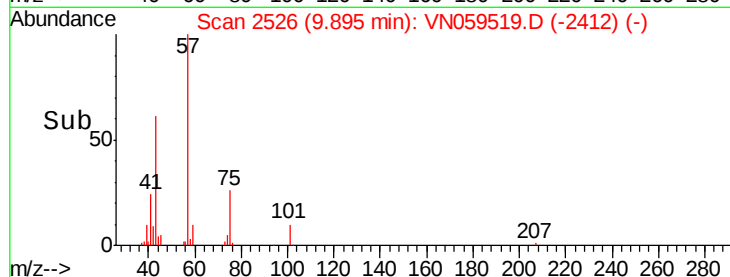
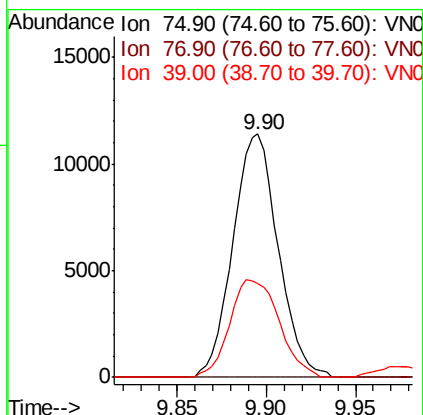
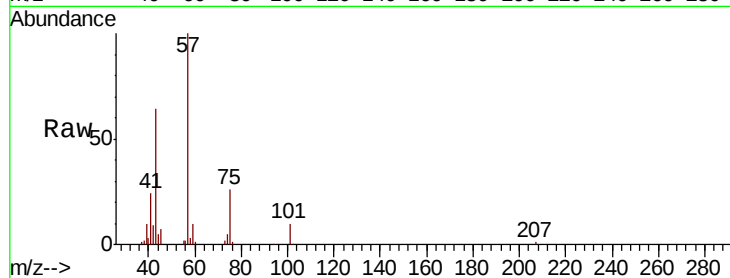


#54

cis-1,3-Dichloropropene
Concen: 4.167 ug/l
RT: 9.90 min Scan# 2526
Delta R.T. 0.07 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Instrument :
MSVOA_N
ClientSampled :

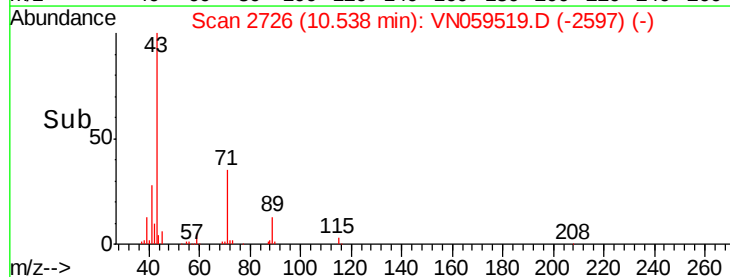
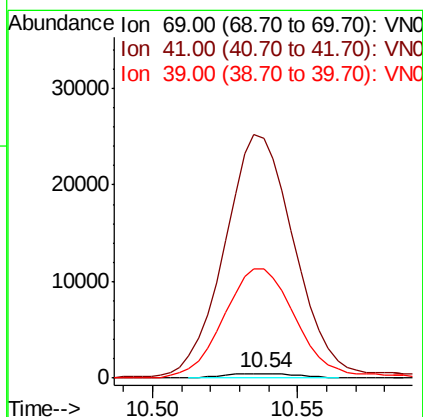
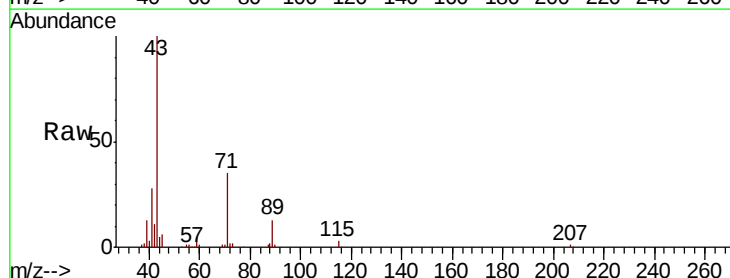
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#
39	38.4	36.6	54.8

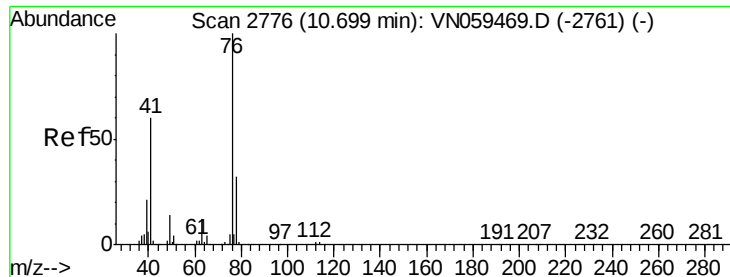


#56

Ethyl methacrylate
Concen: 1.636 ug/l
RT: 10.54 min Scan# 2726
Delta R.T. 0.12 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	5045.3	52.7	79.1#
39	2328.1	25.0	37.6#

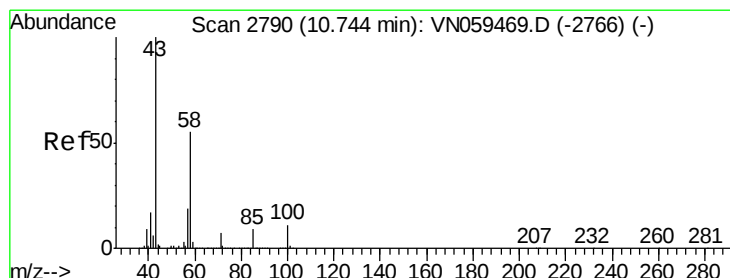
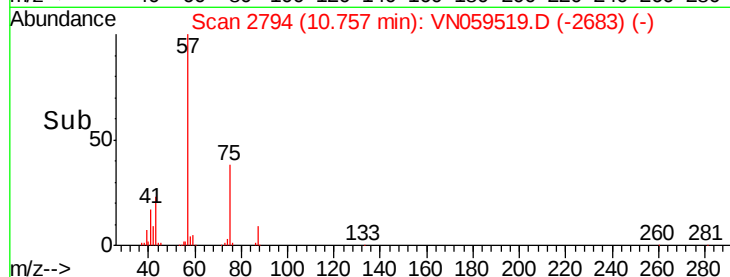
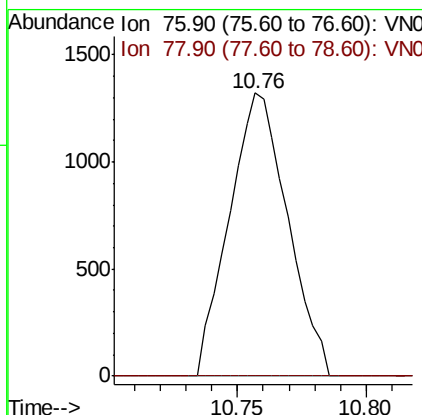
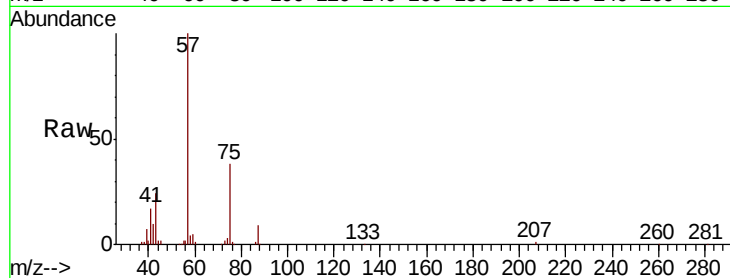




#57
 1,3-Dichloropropane
 Concen: 0.434 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

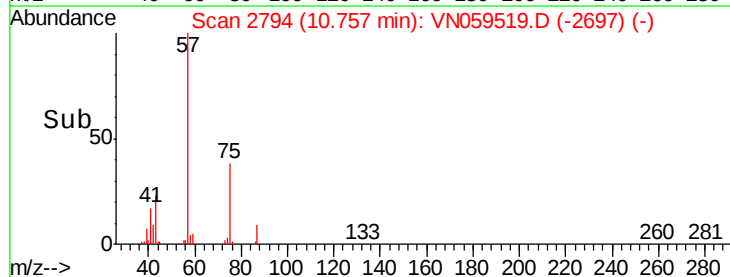
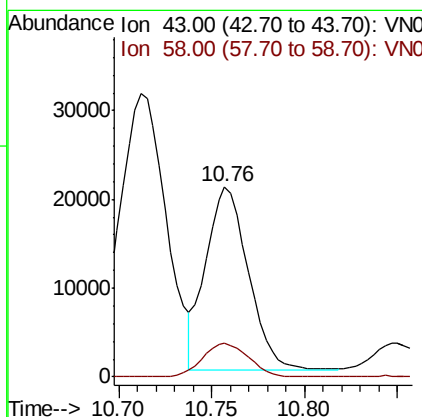
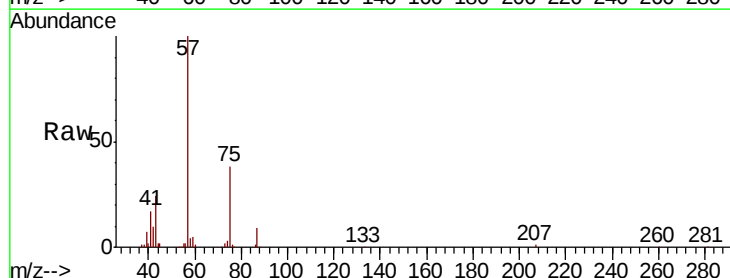
Instrument :
 MSVOA_N
 ClientSampled :

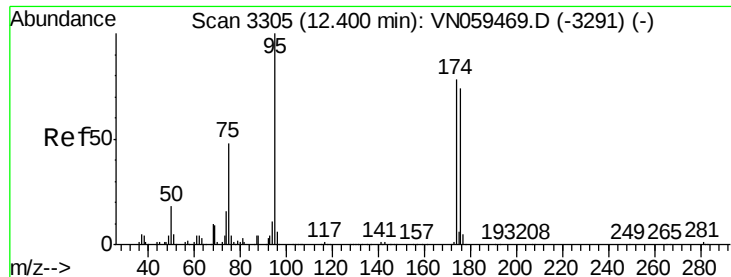
Tot Ion: 76 Resp: 2085
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 11.198 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN059519.D
 Acq: 6 Dec 2019 16:43

Tgt Ion: 43 Resp: 33094
 Ion Ratio Lower Upper
 43 100
 58 19.5 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 47.975 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

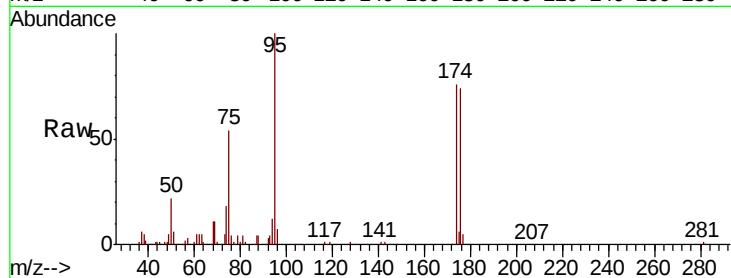
Tot Ion: 95 Resp: 157439

Ion Ratio Lower Upper

95 100

174 76.9 0.0 157.0

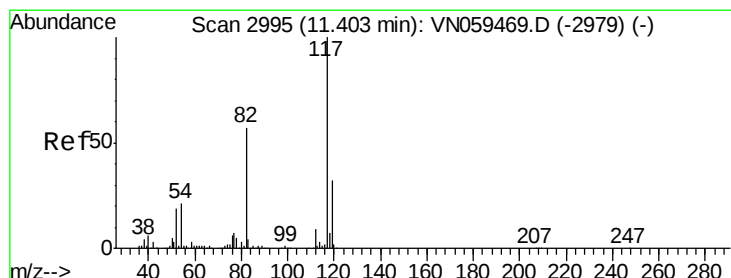
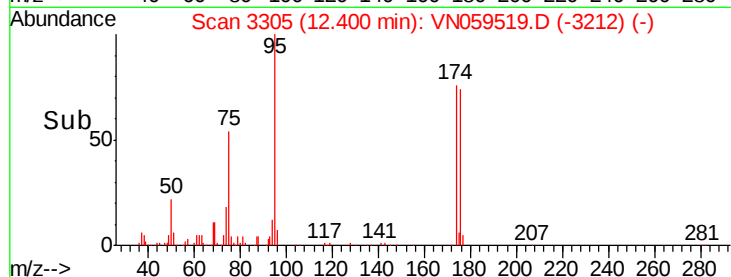
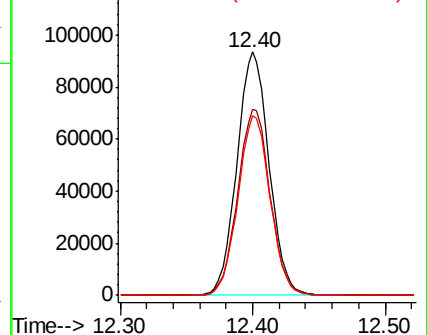
176 73.7 0.0 152.4



Abundance Ion 94.90 (94.60 to 95.60): VN059469.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059469.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059469.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

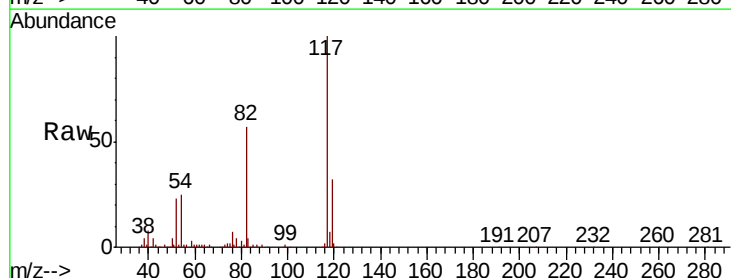
Tgt Ion: 117 Resp: 355154

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

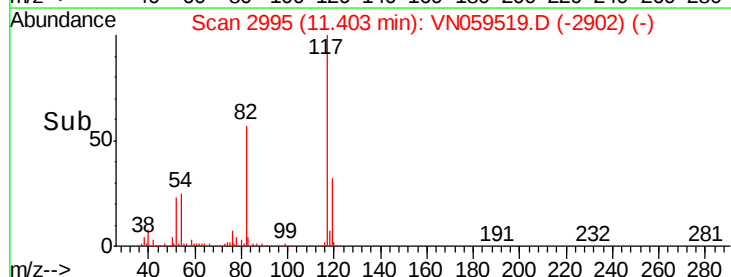
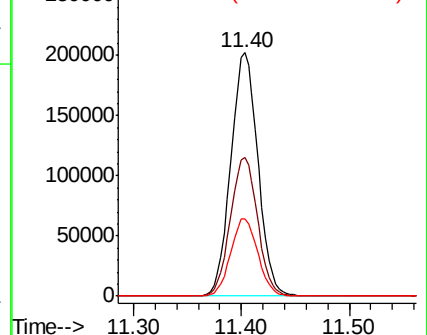
119 31.6 25.4 38.0

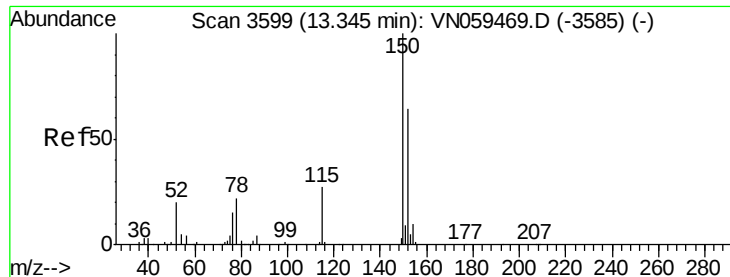


Abundance Ion 116.90 (116.60 to 117.60): VN059469.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059469.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059469.D (-2979) (-)



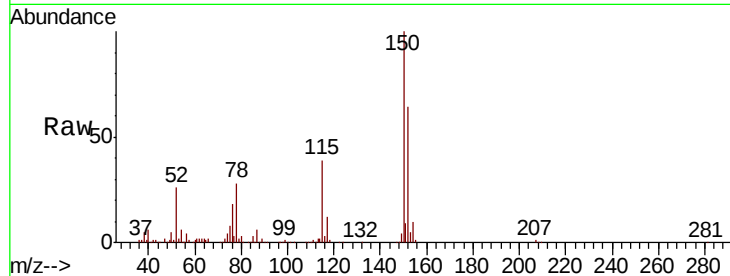


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.2	87.6
150	157.5	0.0	352.8

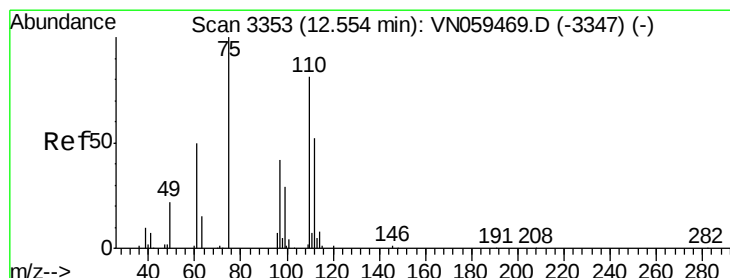
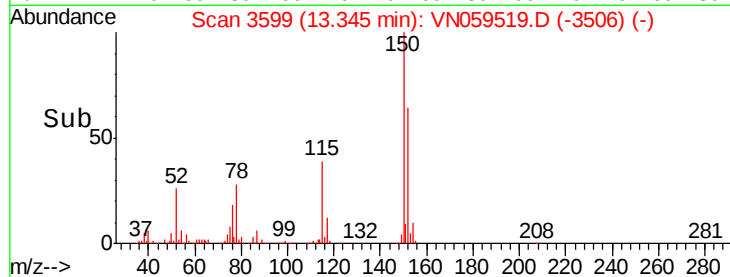
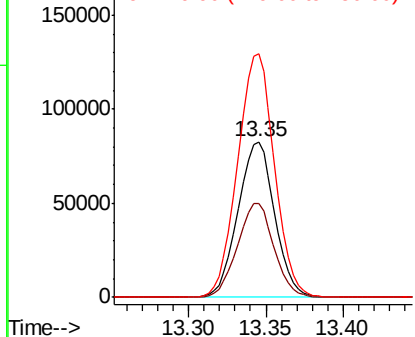


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

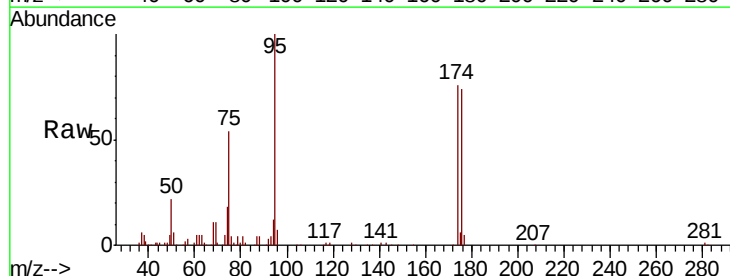
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 25.140 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059519.D
Acq: 6 Dec 2019 16:43

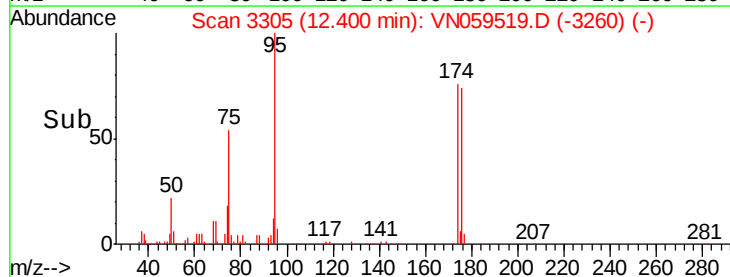
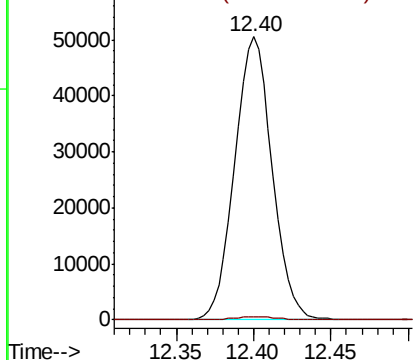
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

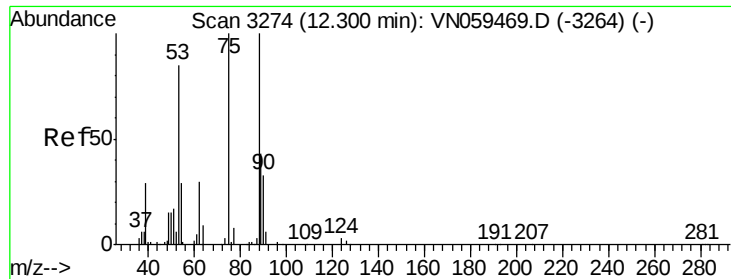


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

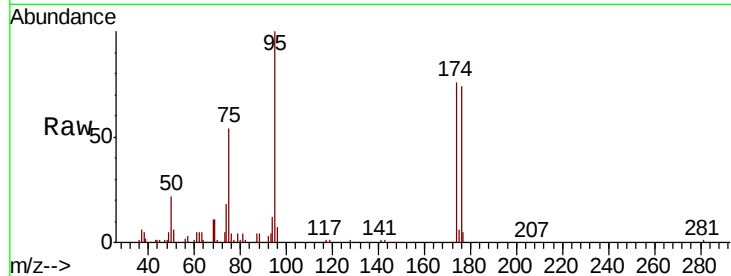
Tot Ion: 75 Resp: 85098

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

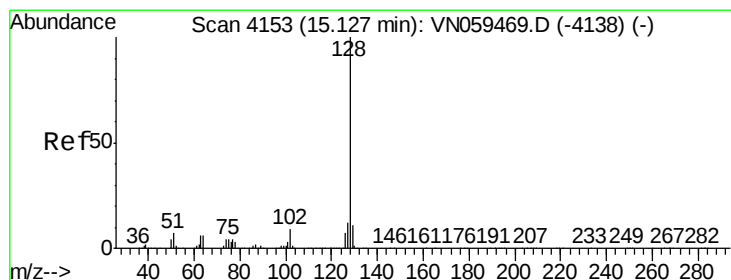
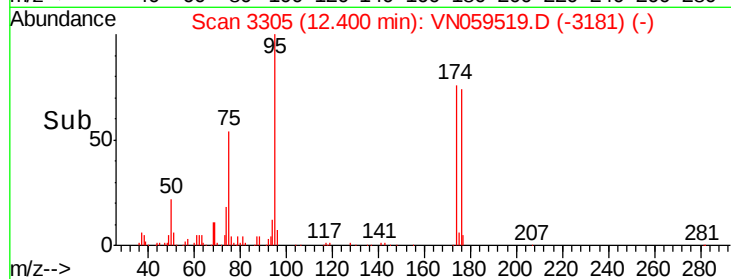
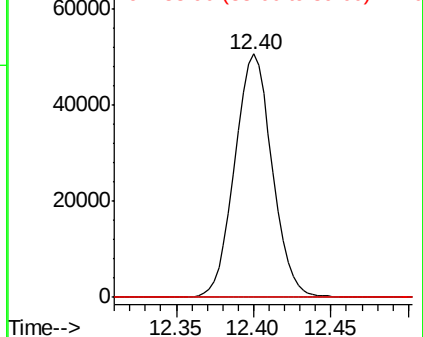
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059469.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059469.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059469.D (-3264) (-)



#95

Naphthalene

Concen: 2.435 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.01 min

Lab File: VN059519.D

Acq: 6 Dec 2019 16:43

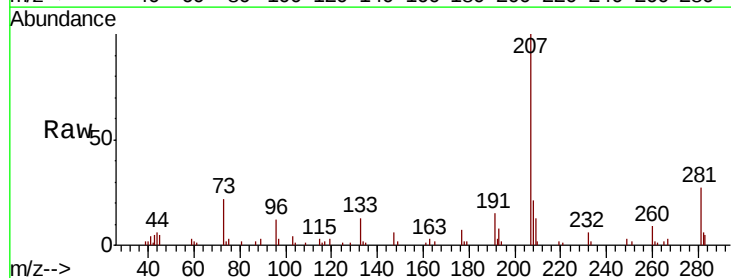
Tgt Ion: 128 Resp: 62

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN059469.D (-4138) (-)

Ion 127.00 (126.70 to 127.70): VN059469.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059469.D (-4138) (-)

