

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058759.D
 Acq On : 14 Oct 2019 19:08
 Operator : JC/SP
 Sample : PB123907TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:15:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

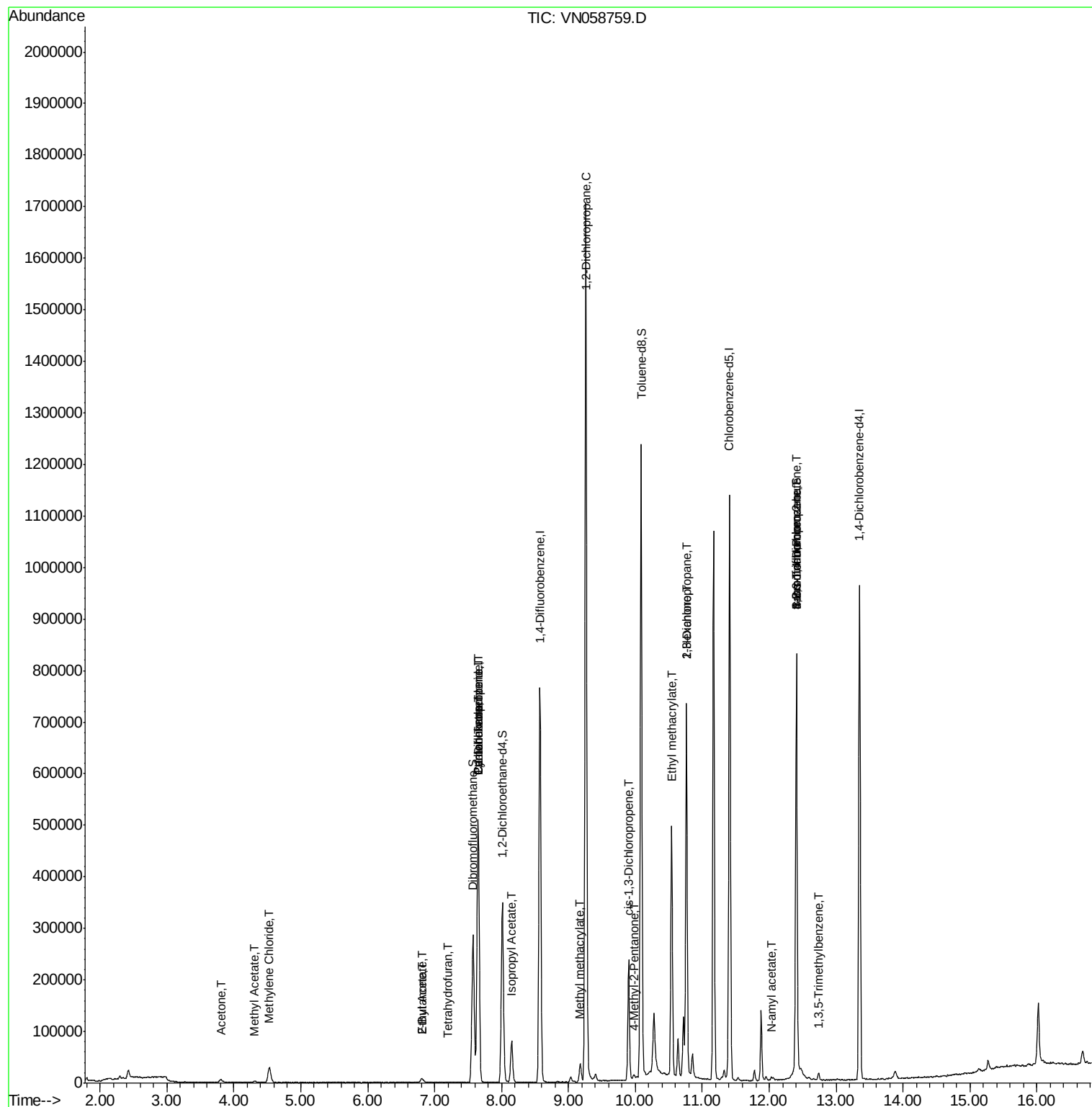
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	396602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	620718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249702	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	306907	55.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.56%	
35) Dibromofluoromethane	7.57	113	216258	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
50) Toluene-d8	10.08	98	819564	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.41	95	272839	43.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.18%	
Target Compounds						
					Qvalue	
16) Acetone	3.80	43	10568	4.597	ug/l #	84
18) Methyl Acetate	4.30	43	2050	0.352	ug/l #	76
20) Methylene Chloride	4.53	84	20852	4.340	ug/l	97
25) 2-Butanone	6.82	43	4973	1.497	ug/l #	77
29) Tetrahydrofuran	7.20	42	442	0.206	ug/l #	35
31) Cyclohexane	7.65	56	9653	1.185	ug/l #	14
36) 1,1-Dichloropropene	7.65	75	33518	4.952	ug/l #	50
37) Ethyl Acetate	6.82	43	4973	0.726	ug/l #	71
38) Carbon Tetrachloride	7.65	117	40843	6.191	ug/l #	17
43) Isopropyl Acetate	8.15	43	94337	8.090	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1939	0.373	ug/l #	45
48) Methyl methacrylate	9.17	41	5550	1.050	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5881	0.898	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	37835	4.624	ug/l #	67
56) Ethyl methacrylate	10.54	69	2085	0.293	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7087	0.855	ug/l #	42
59) 2-Hexanone	10.76	43	110175	21.768	ug/l #	53
71) Bromoform	12.40	173	1090	0.319	ug/l #	1
74) N-amyl acetate	12.03	43	5257	0.647	ug/l #	46
76) 1,2,3-Trichloropropane	12.41	75	146118	26.674	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	7330	0.475	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.41	75	146118	71.452	ug/l #	11

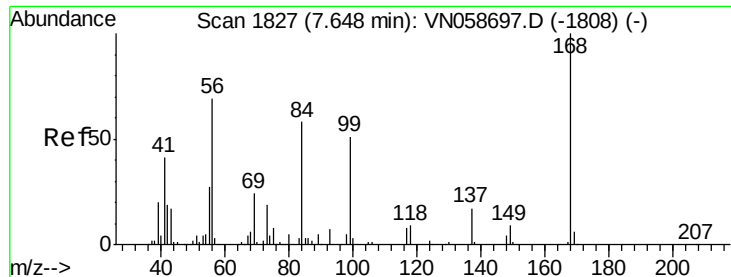
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

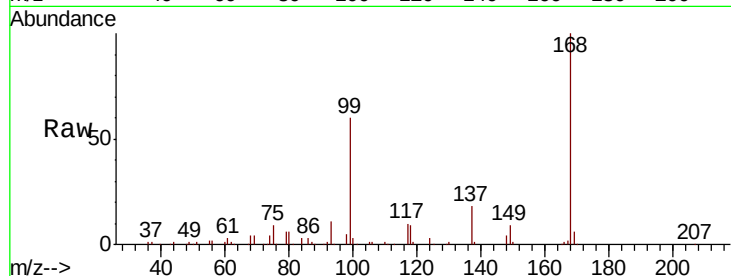
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 396602

Ion Ratio Lower Upper

168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

150000

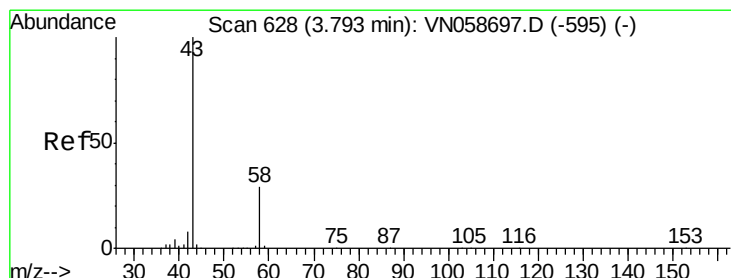
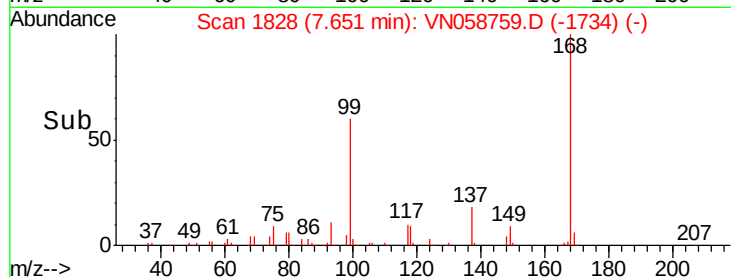
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 4.597 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058759.D

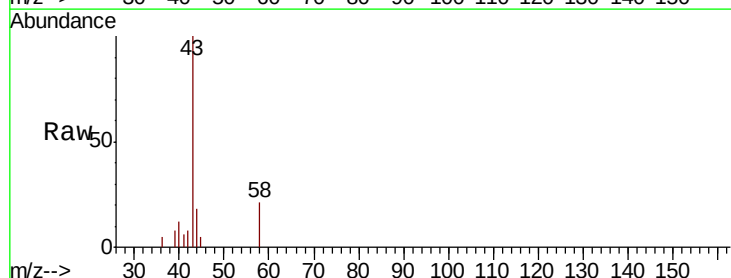
Acq: 14 Oct 2019 19:08

Tgt Ion: 43 Resp: 10568

Ion Ratio Lower Upper

43 100

58 20.7 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-595) (-)

3.80

4000

3000

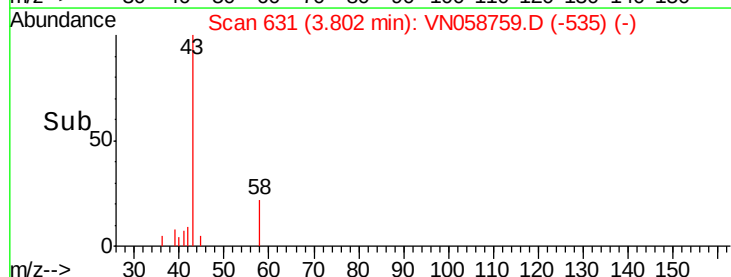
2000

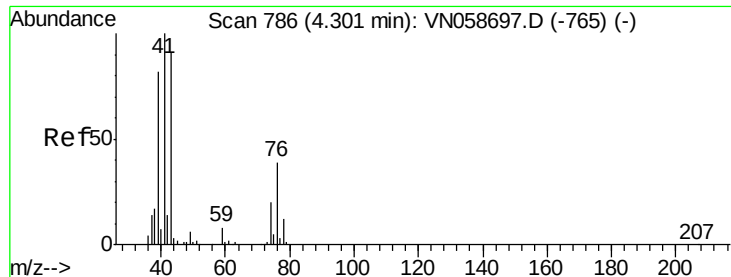
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

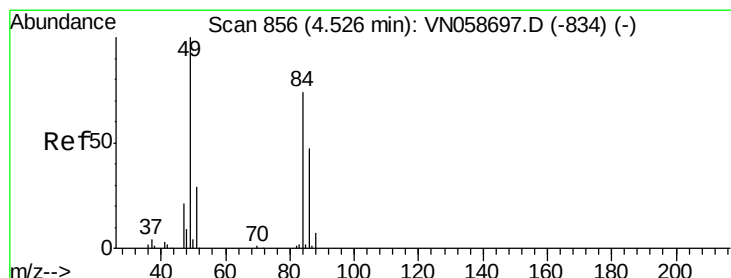
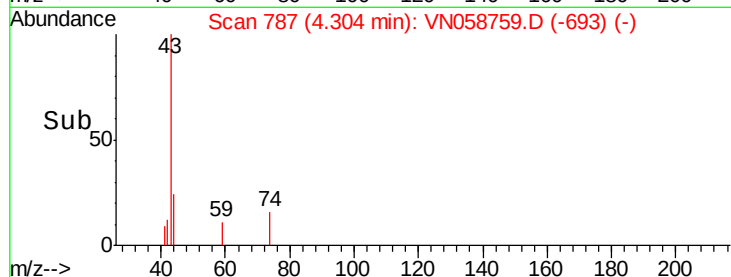
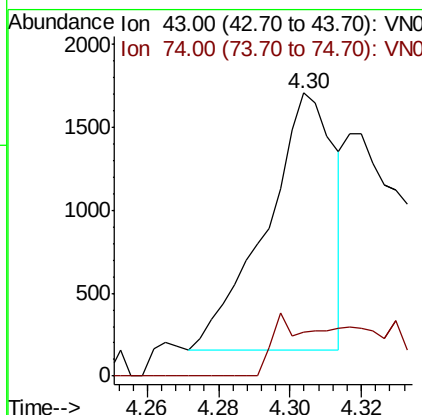
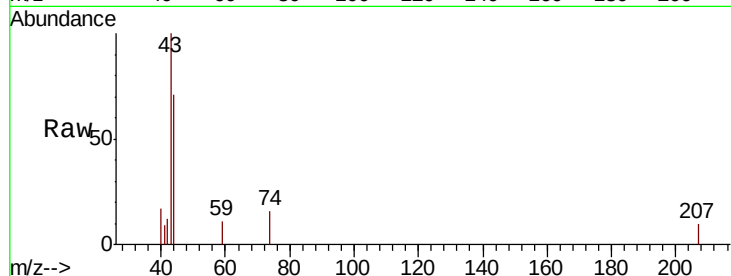




#18
Methvl Acetate
Concen: 0.352 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

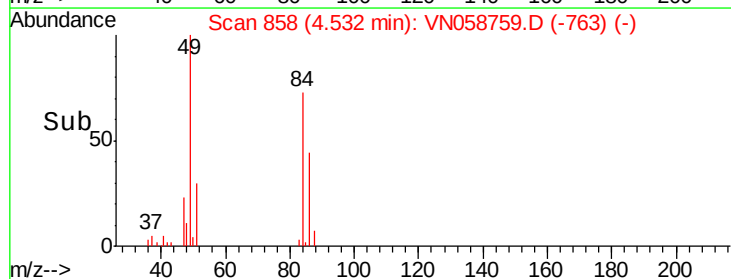
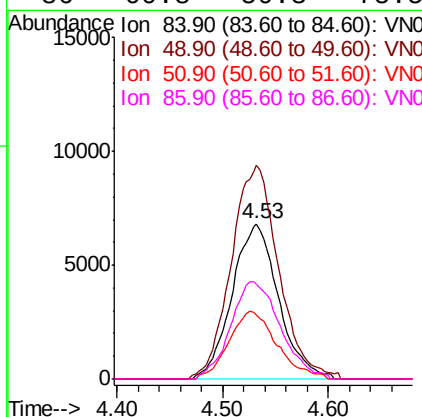
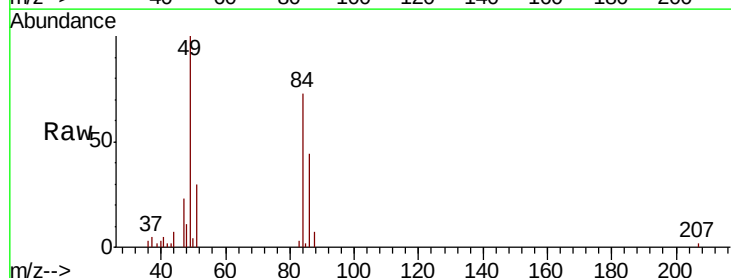
Instrument :
MSVOA_N
ClientSampleId :

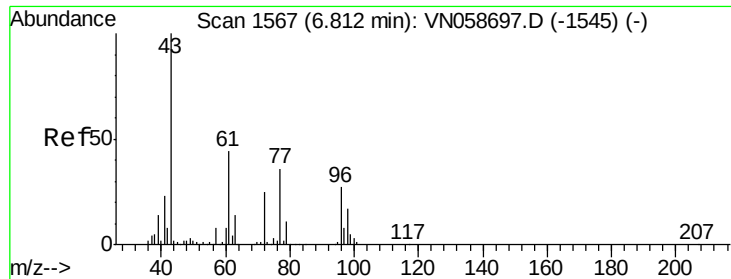
Tot Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
74 10.0 17.2 25.8#



#20
Methylene Chloride
Concen: 4.340 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion: 84 Resp: 20852
Ion Ratio Lower Upper
84 100
49 137.4 107.6 161.4
51 40.9 31.4 47.0
86 60.8 50.3 75.5





#25

2-Butanone

Concen: 1.497 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

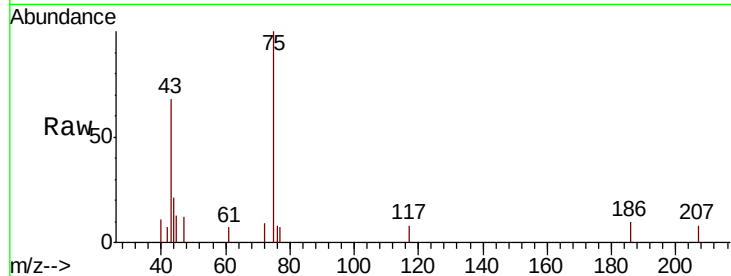
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4973

Ion Ratio Lower Upper

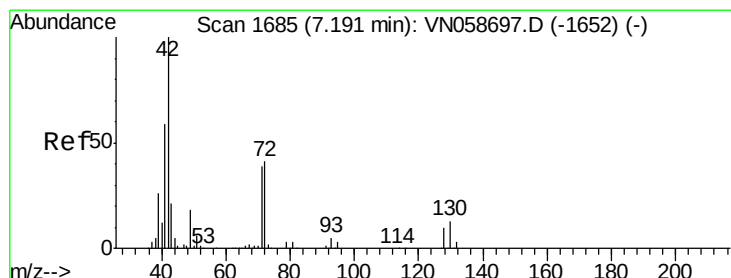
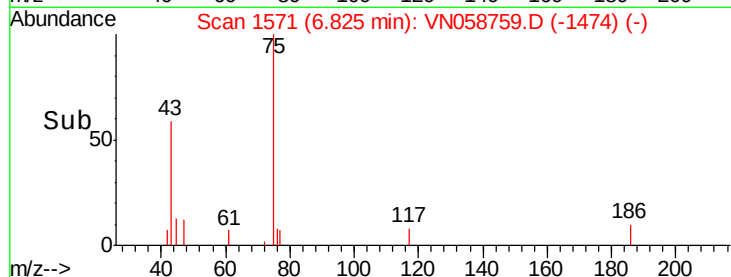
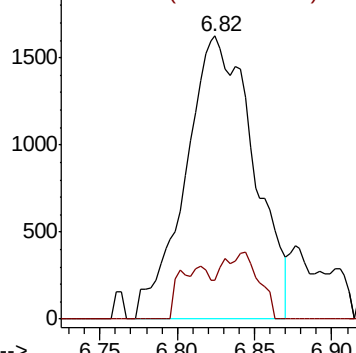
43 100

72 13.7 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

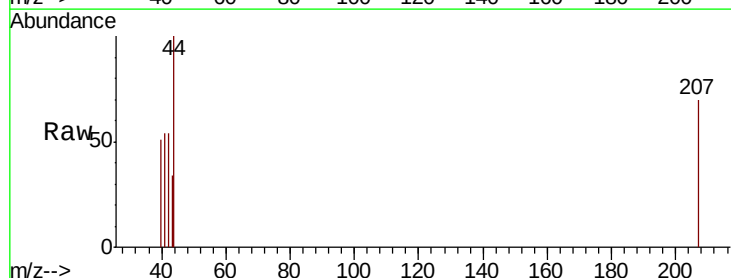
Tgt Ion: 42 Resp: 442

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

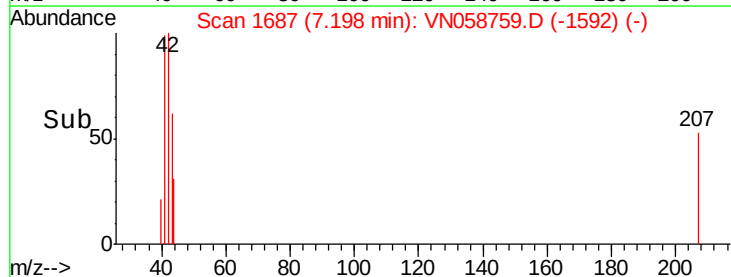
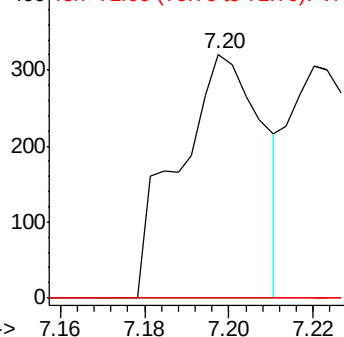
71 0.0 31.1 46.7#

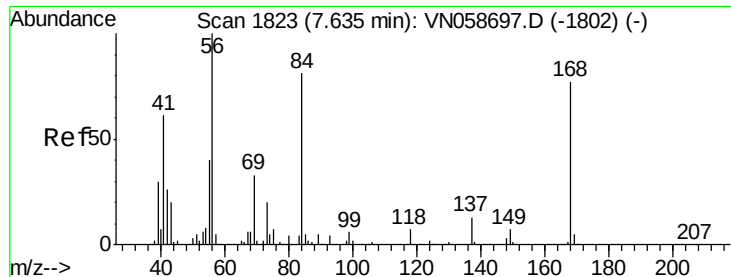


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

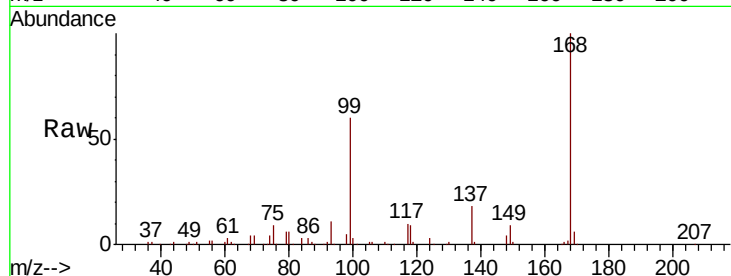




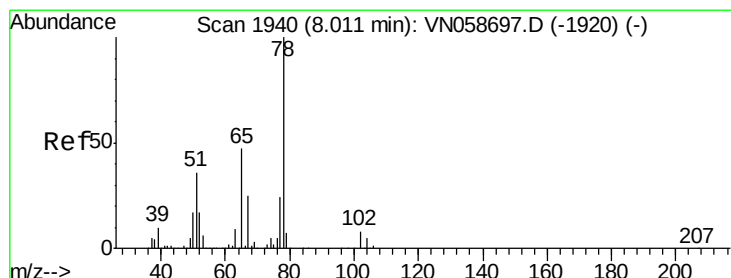
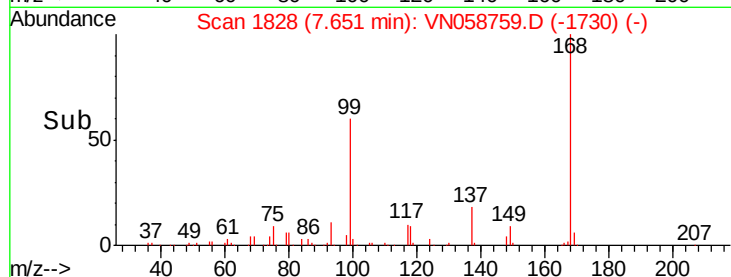
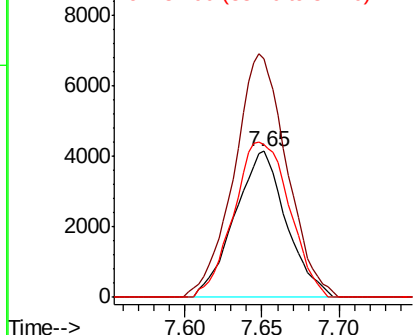
#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9653
Ion Ratio Lower Upper
56 100
69 163.9 26.2 39.4#
84 104.5 64.9 97.3#

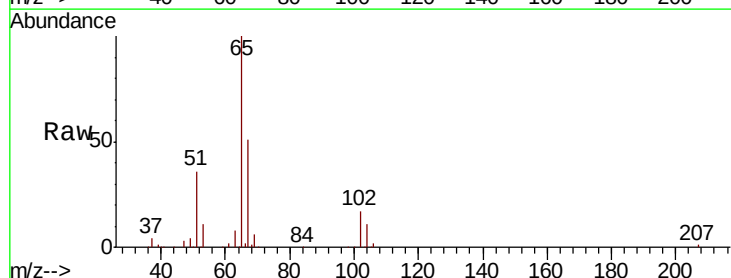


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

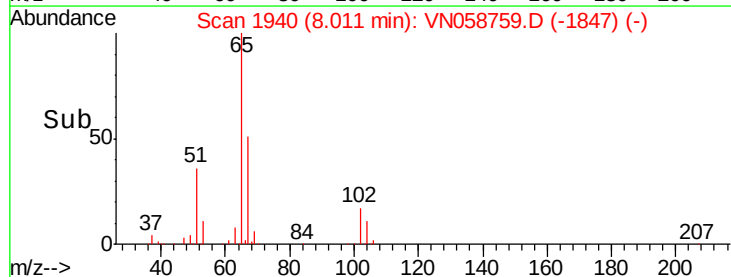
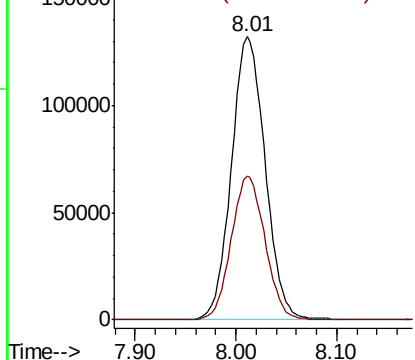


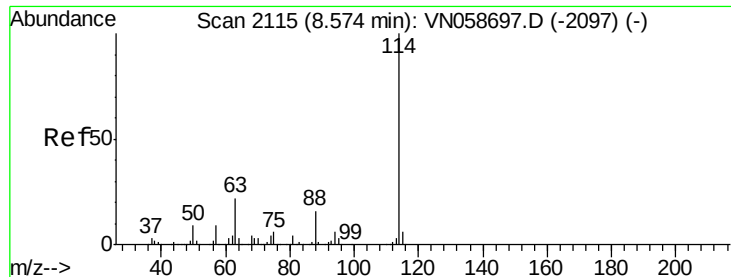
#33
1,2-Dichloroethane-d4
Concen: 55.275 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion: 65 Resp: 306907
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.8



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

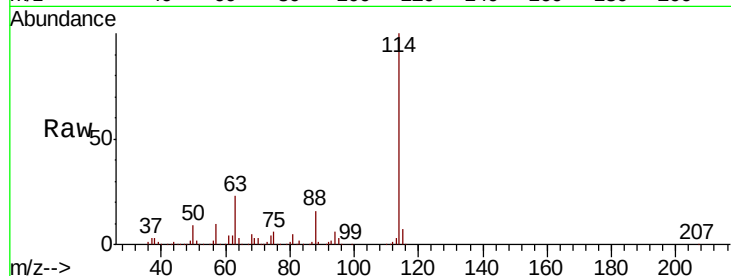




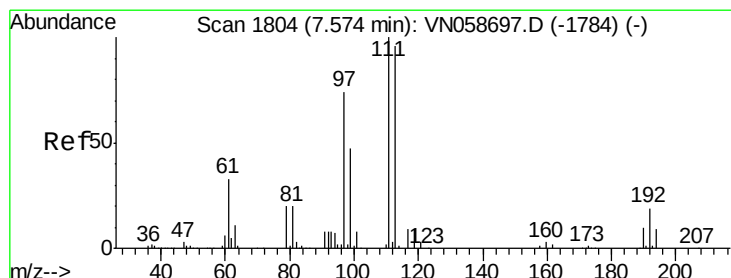
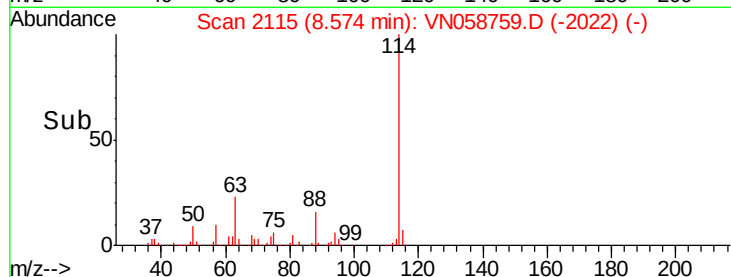
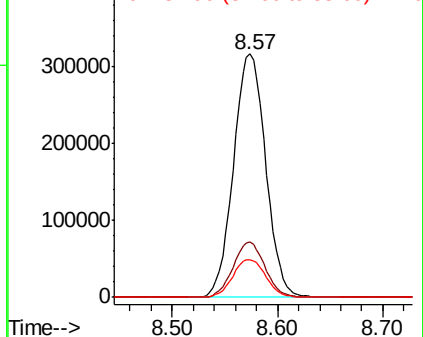
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.8
88	15.6	0.0	32.0

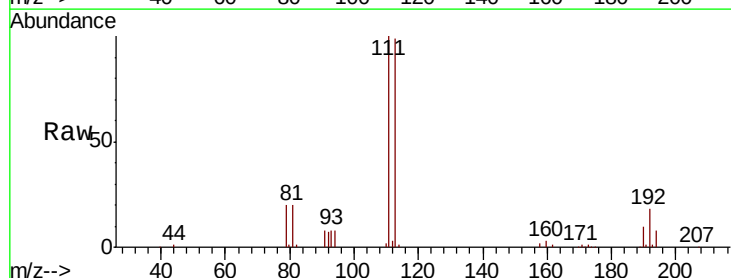


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

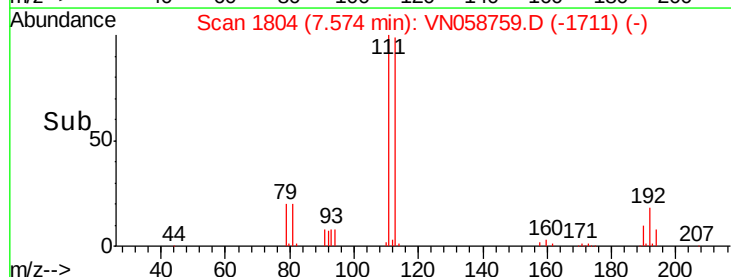
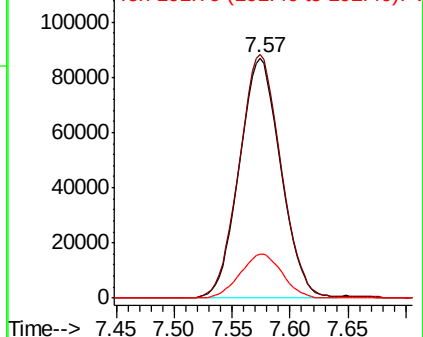


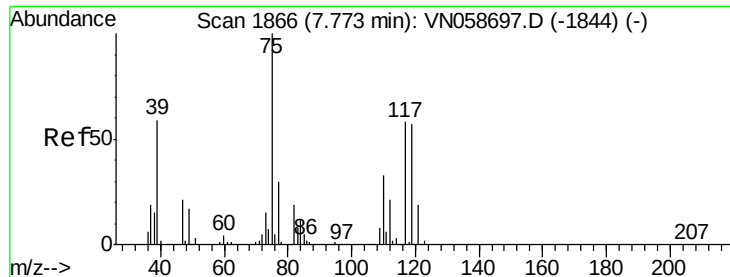
#35
 Dibromofluoromethane
 Concen: 52.298 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	18.6	15.0	22.6



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

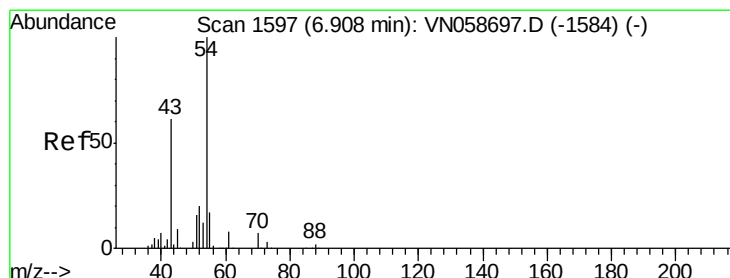
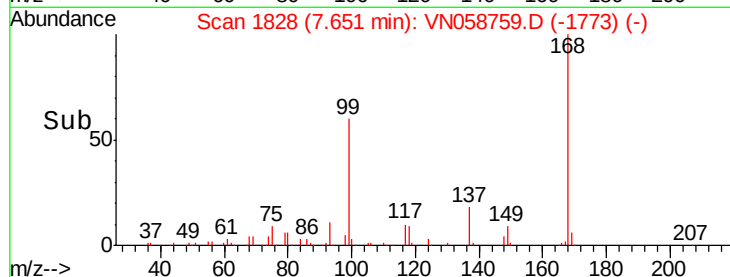
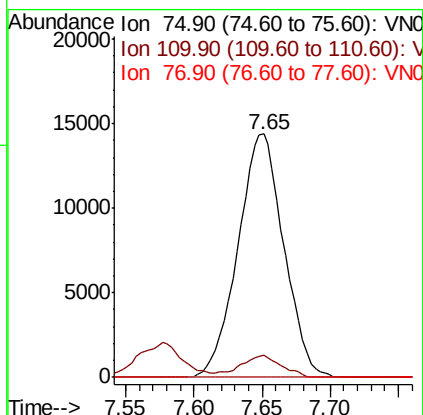
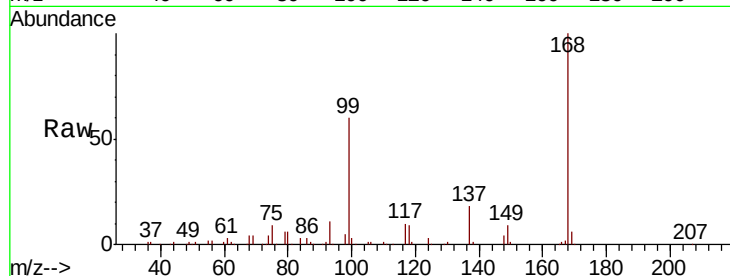




#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

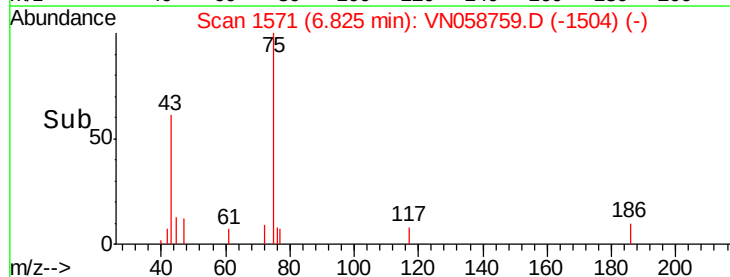
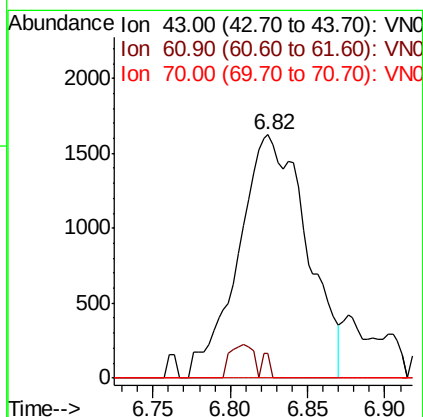
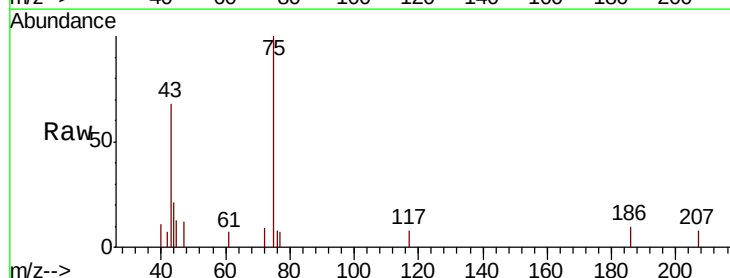
Instrument :
 MSVOA_N
 ClientSampleId :

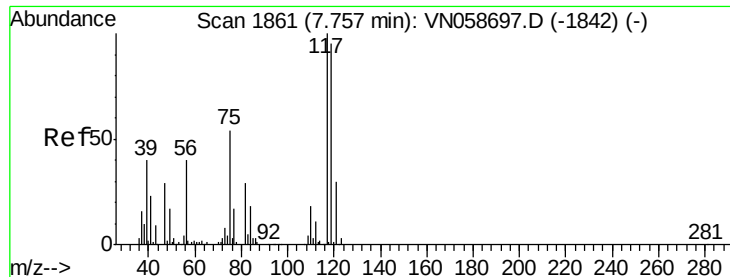
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 0.726 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.08 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.3	11.3	16.9#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 6.191 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

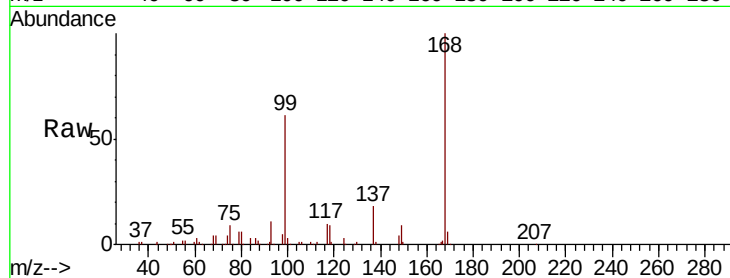
Tot Ion:117 Resp: 40843

Ion Ratio Lower Upper

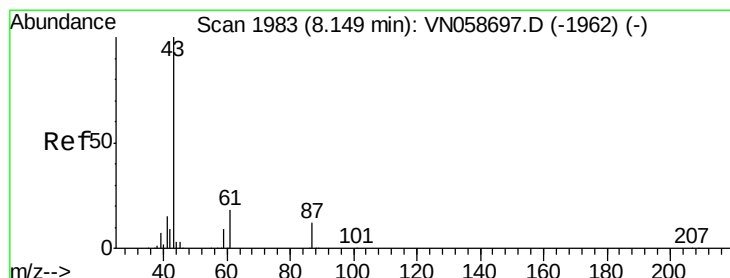
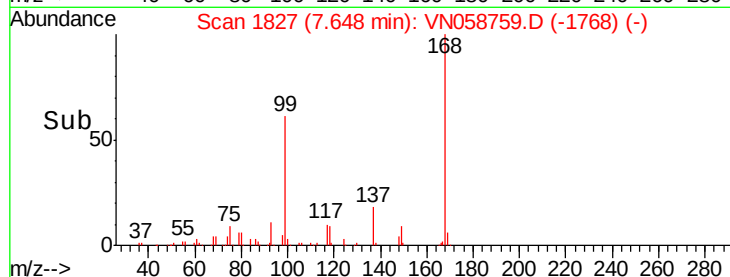
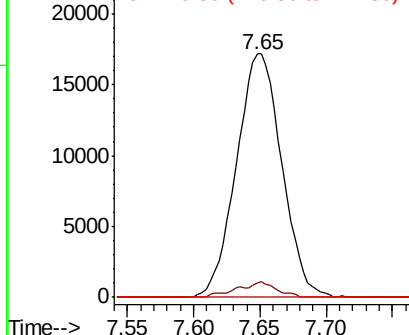
117 100

119 6.0 75.7 113.5#

121 0.0 23.9 35.9#



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: 8.090 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058759.D

Acq: 14 Oct 2019 19:08

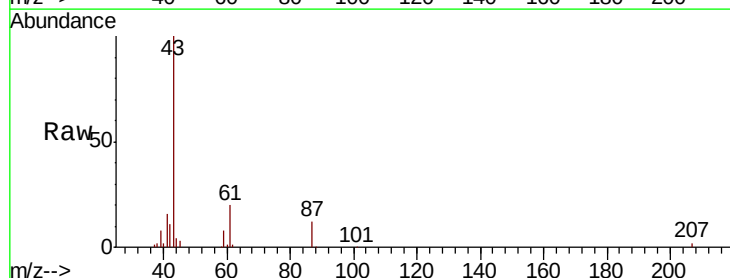
Tgt Ion: 43 Resp: 94337

Ion Ratio Lower Upper

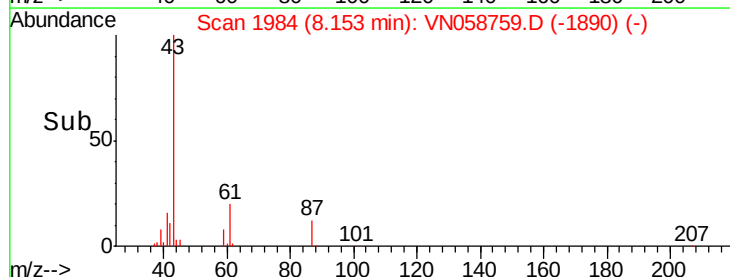
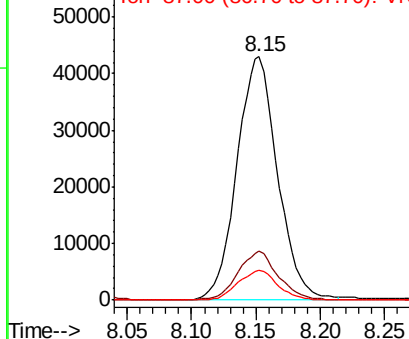
43 100

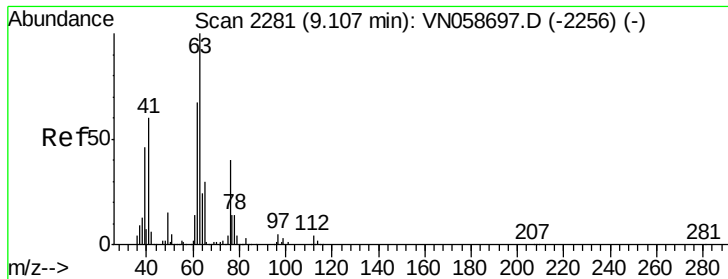
61 19.6 20.3 30.5#

87 11.8 9.8 14.6



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

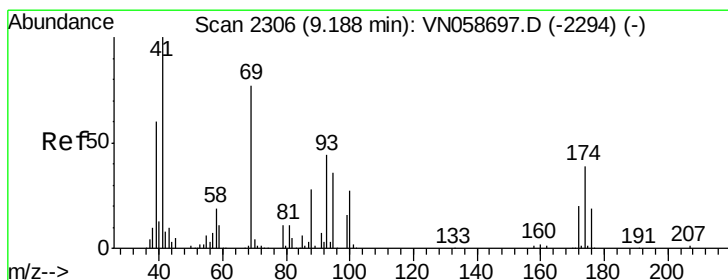
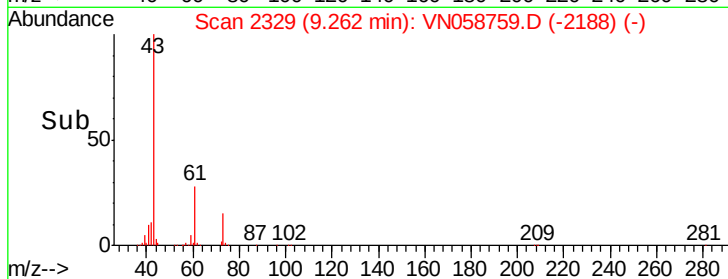
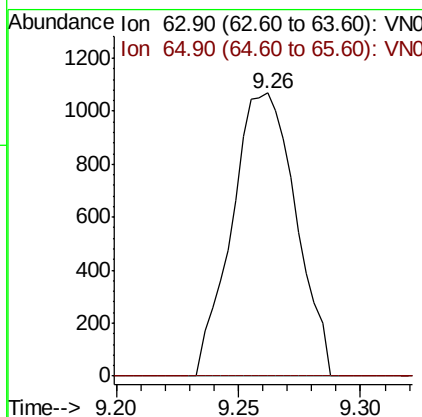
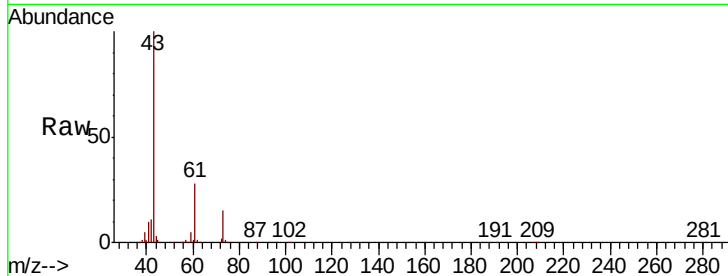




#45
 1,2-Dichloropropane
 Concen: 0.373 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.15 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

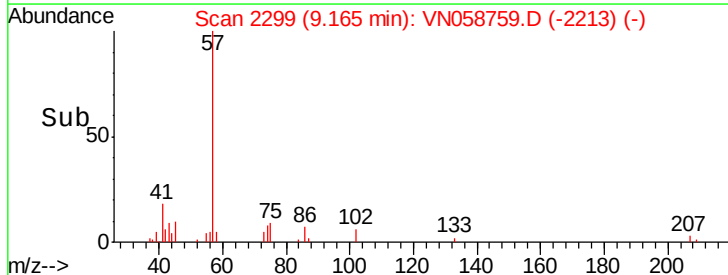
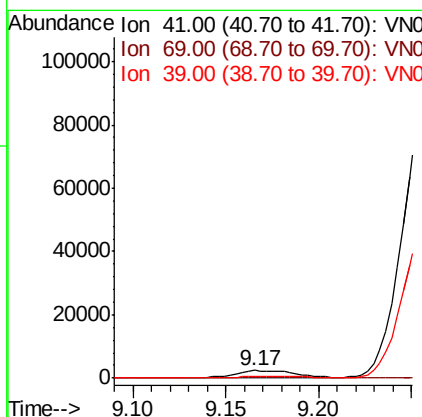
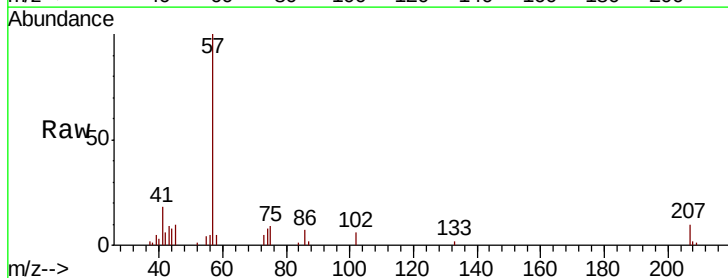
Instrument :
 MSVOA_N
 ClientSampleId :

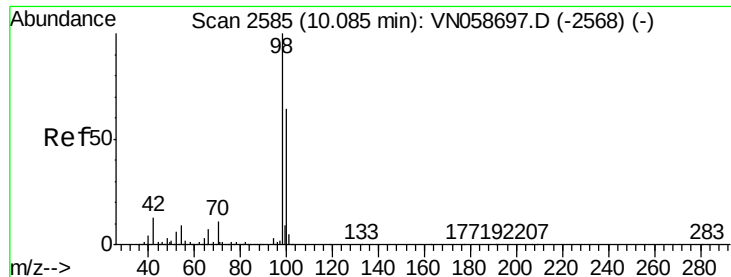
Tot Ion: 63 Resp: 1939
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.1 36.1#



#48
 Methyl methacrylate
 Concen: 1.050 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion: 41 Resp: 5550
 Ion Ratio Lower Upper
 41 100
 69 0.0 63.4 95.2#
 39 0.0 48.9 73.3#

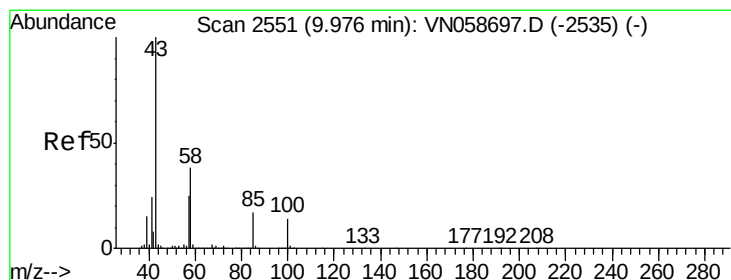
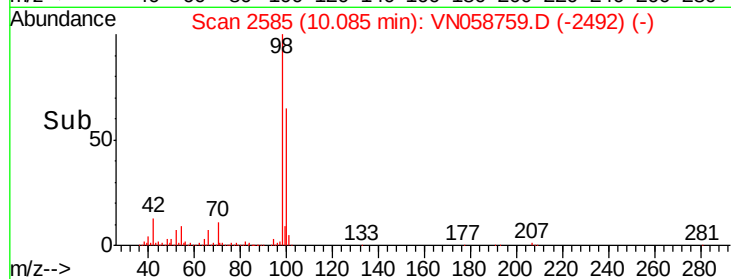
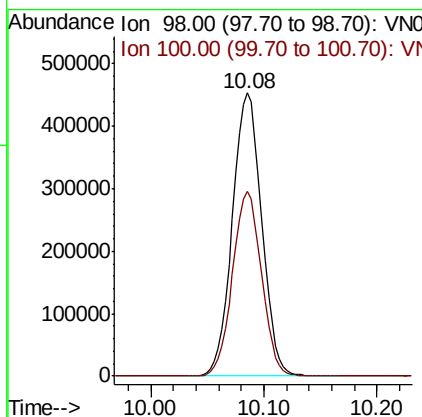
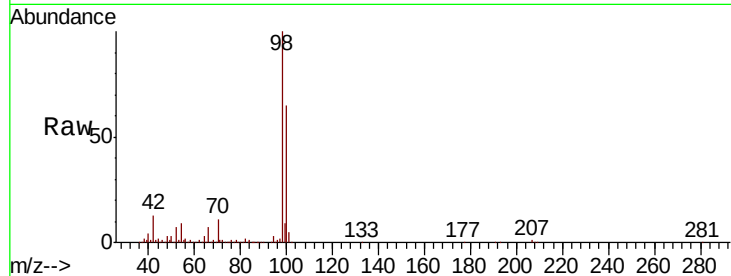




#50
Toluene-d8
Concen: 49.563 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

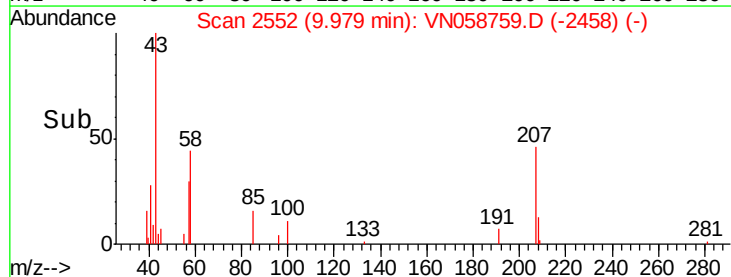
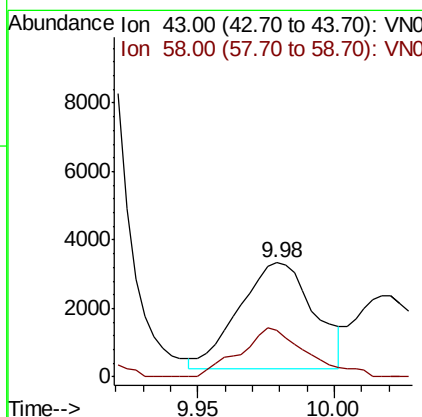
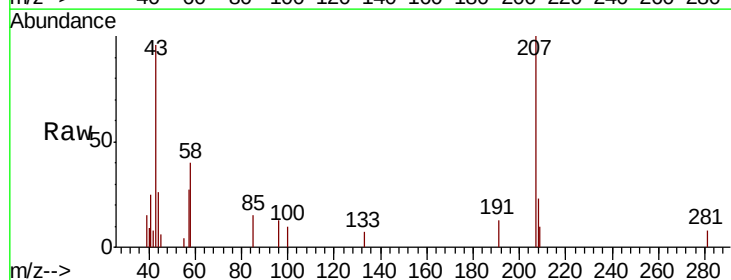
Instrument :
MSVOA_N
ClientSampled :

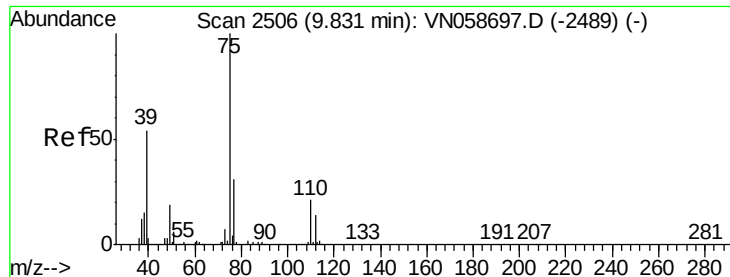
Tot Ion: 98 Resp: 819564
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.898 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion: 43 Resp: 5881
Ion Ratio Lower Upper
43 100
58 41.6 30.3 45.5



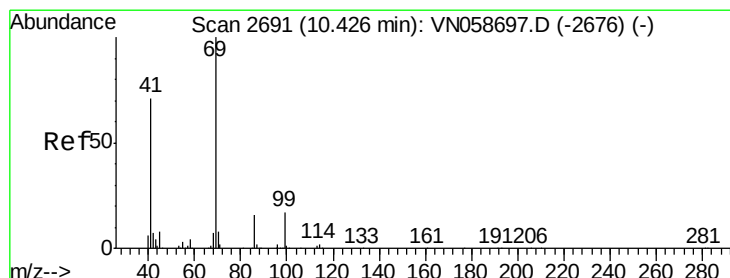
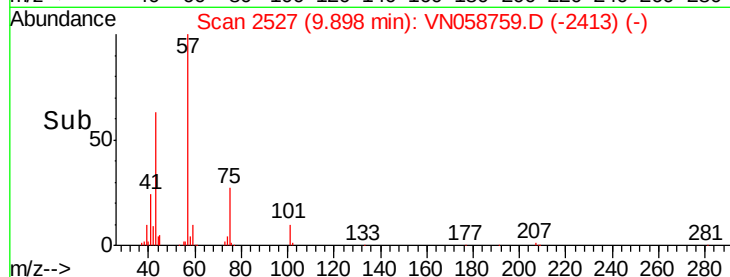
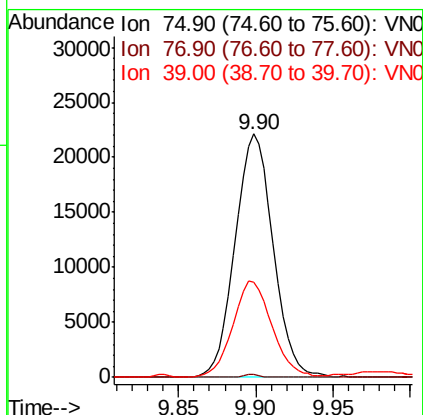
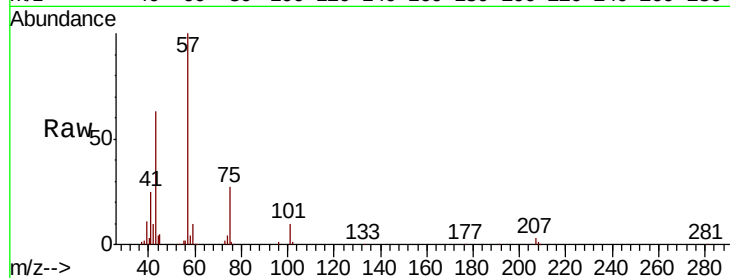


#54

cis-1,3-Dichloropropene
Concen: 4.624 ug/l
RT: 9.90 min Scan# 2527
Delta R.T. 0.07 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampled :

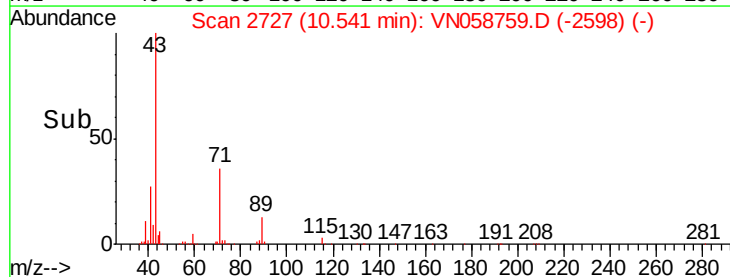
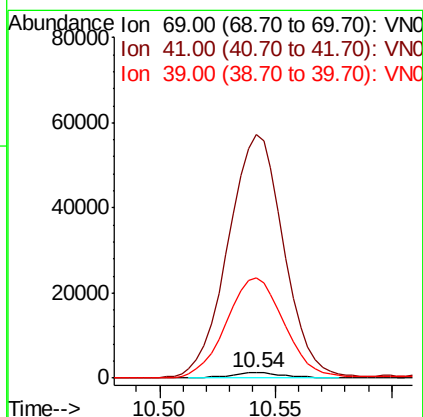
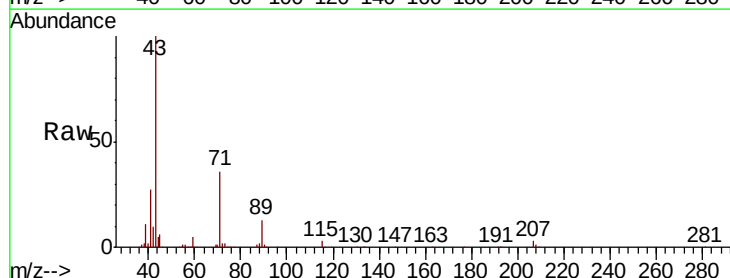
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.1	24.4	36.6#
39	39.3	43.1	64.7#

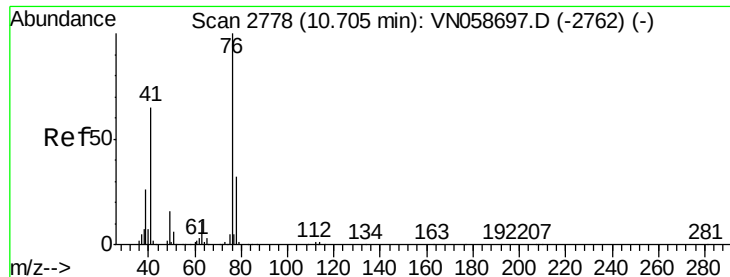


#56

Ethyl methacrylate
Concen: 0.293 ug/l
RT: 10.54 min Scan# 2727
Delta R.T. 0.12 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4605.2	56.8	85.2#
39	1985.5	32.5	48.7#

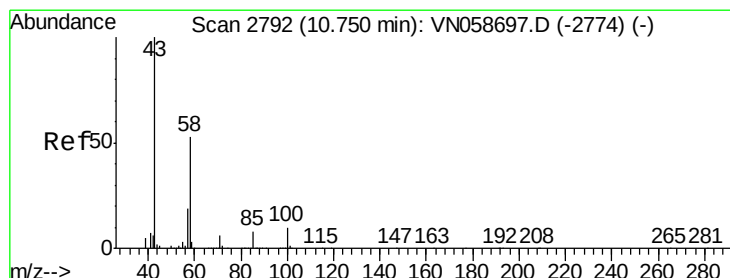
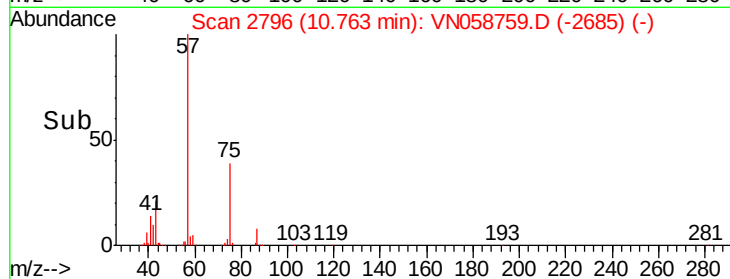
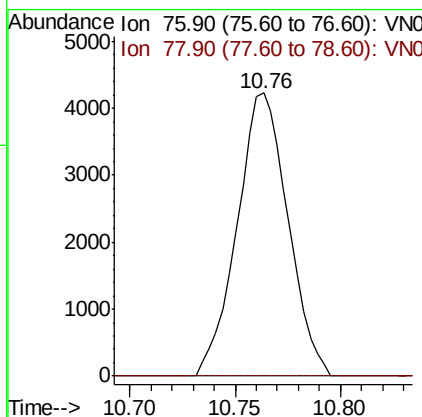
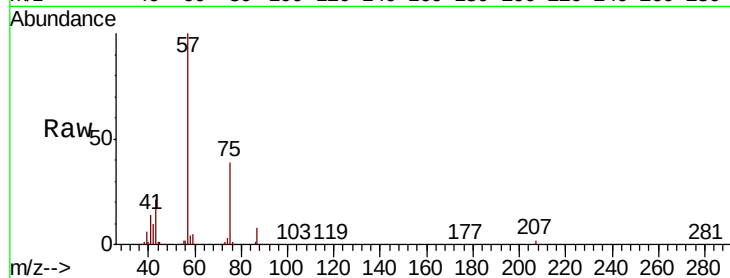




#57
 1,3-Dichloropropane
 Concen: 0.855 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

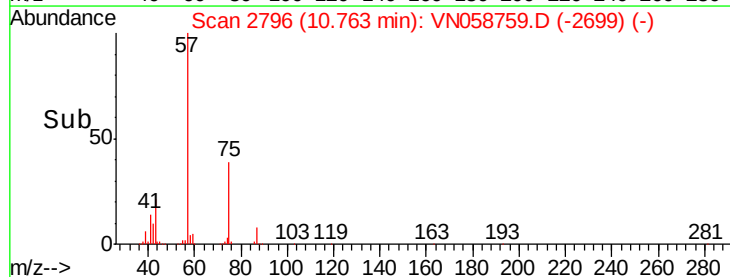
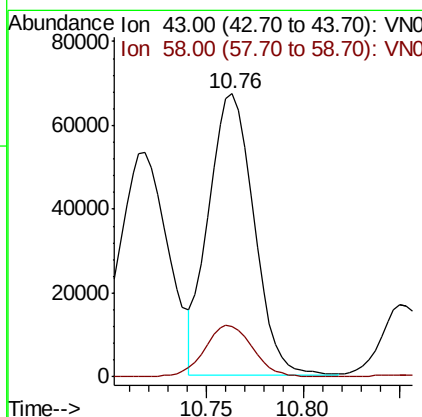
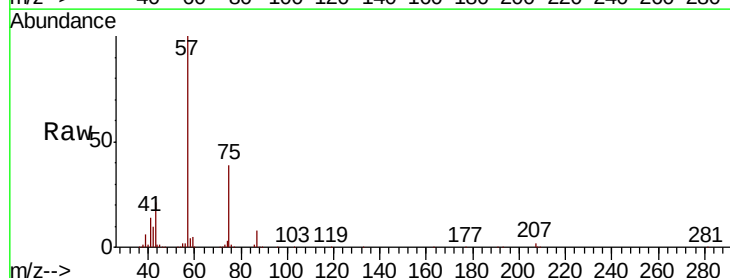
Instrument :
 MSVOA_N
 ClientSampled :

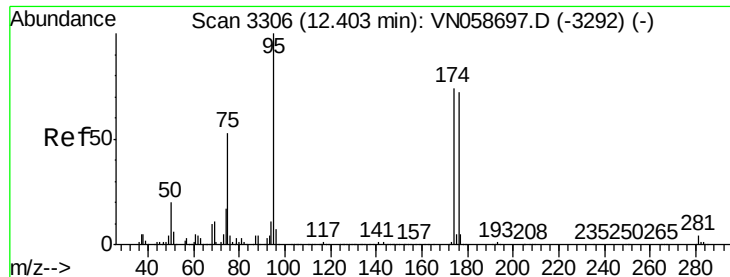
Tot Ion: 76 Resp: 7087
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 21.768 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion: 43 Resp: 110175
 Ion Ratio Lower Upper
 43 100
 58 19.3 26.1 78.3#

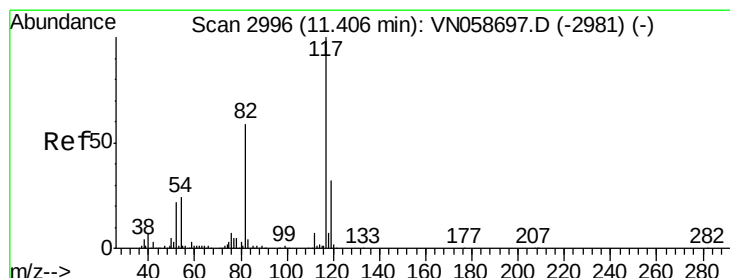
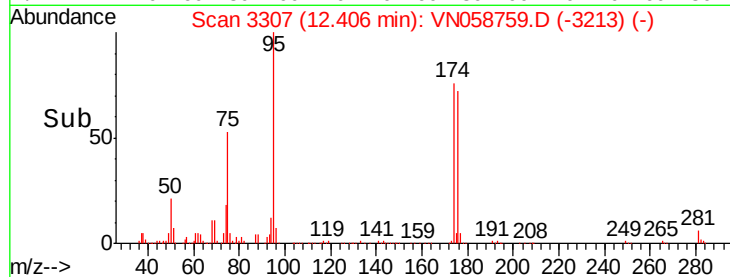
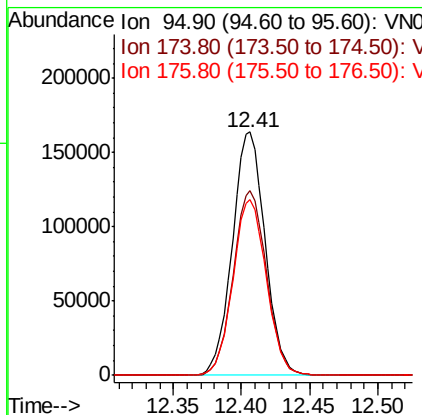
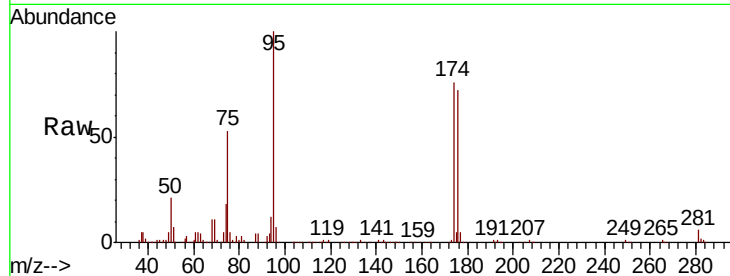




#62
4-Bromofluorobenzene
Concen: 43.590 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

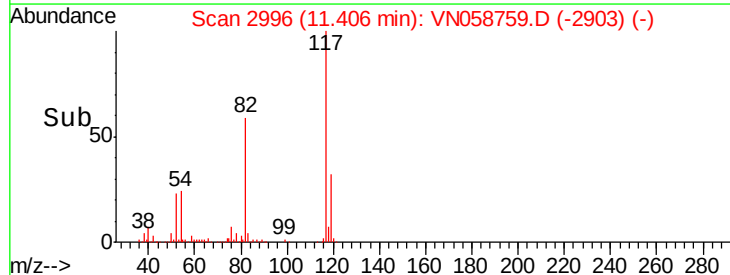
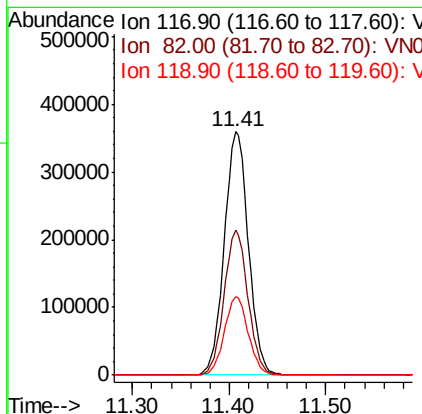
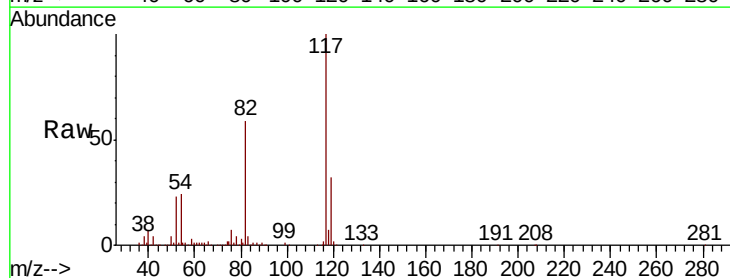
Instrument :
MSVOA_N
ClientSampled :

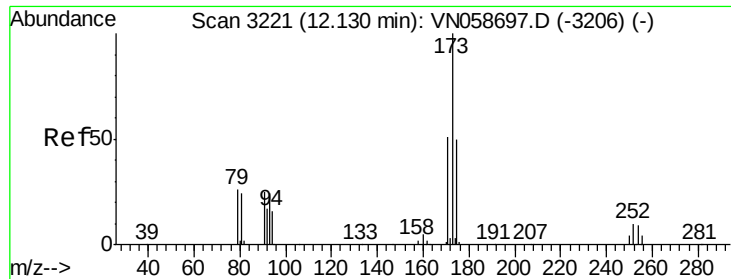
Tot Ion	95	Resp	272839
Ion Ratio	Lower	Upper	
95	100		
174	77.2	0.0	150.4
176	73.8	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion	117	Resp	620718
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.0	70.4
119	32.2	25.4	38.2

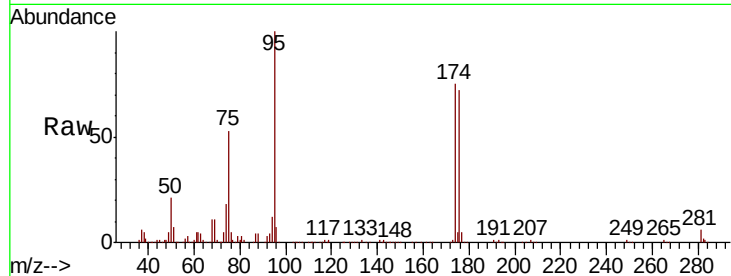




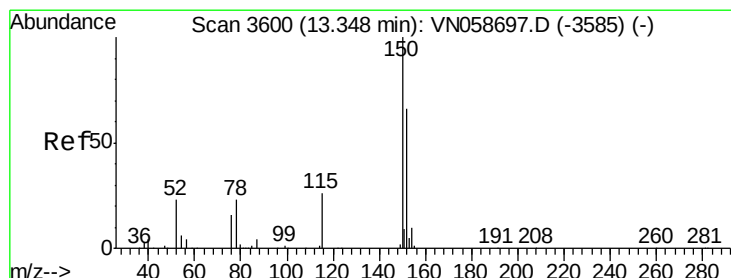
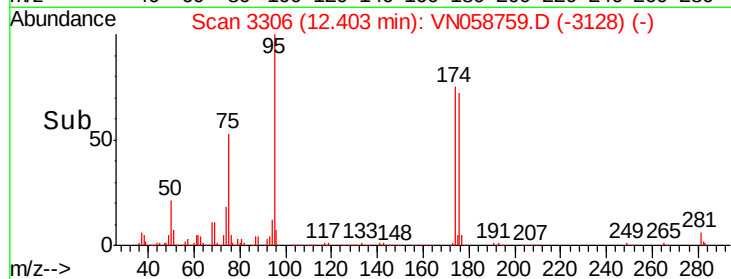
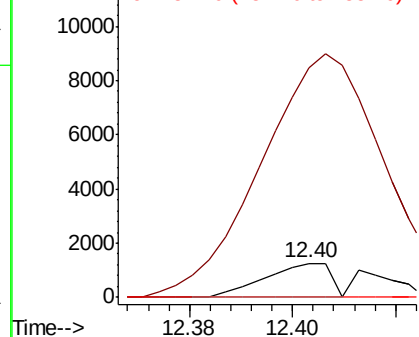
#71
Bromoform
Concen: 0.319 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 1090
Ion Ratio Lower Upper
173 100
175 1169.2 24.6 73.8#
254 0.0 0.1 0.1#

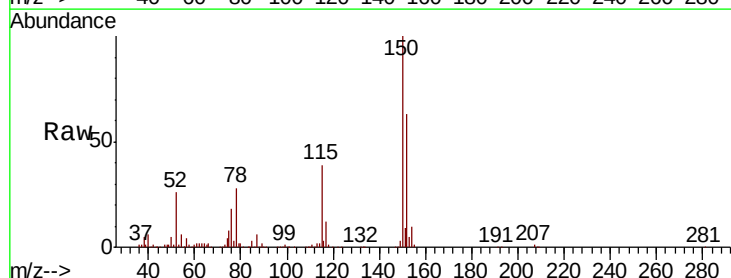


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

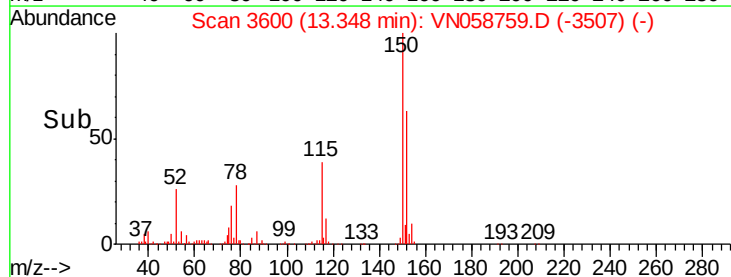
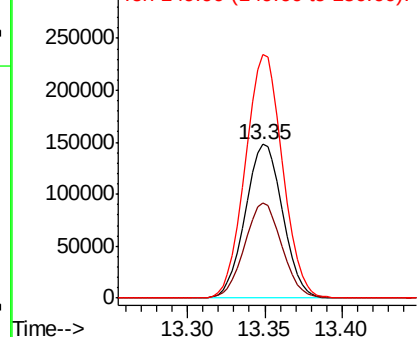


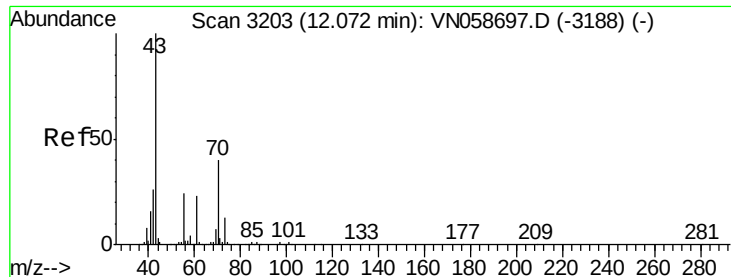
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion:152 Resp: 249702
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.2
150 157.4 0.0 345.4



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

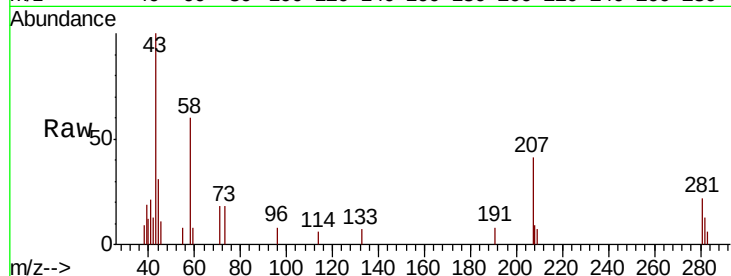




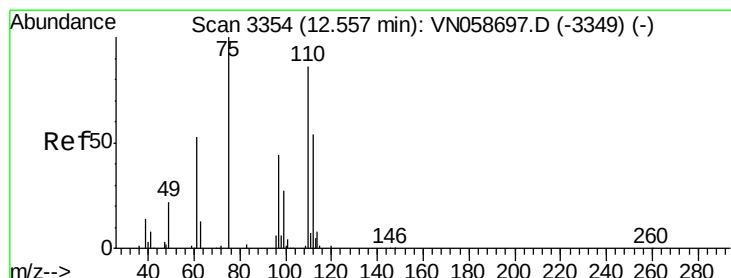
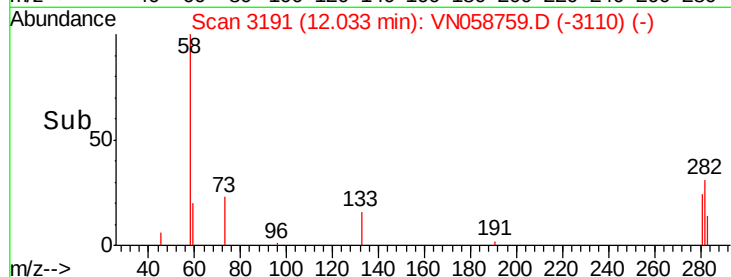
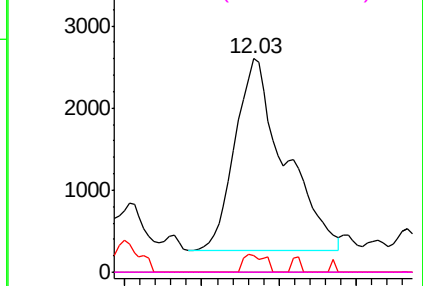
#74
N-amvl acetate
Concen: 0.647 ug/l
RT: 12.03 min Scan# 3191
Delta R.T. -0.04 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	43	Resp:	5257
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.4#
55	4.1	19.6	29.4#
61	0.0	18.6	28.0#

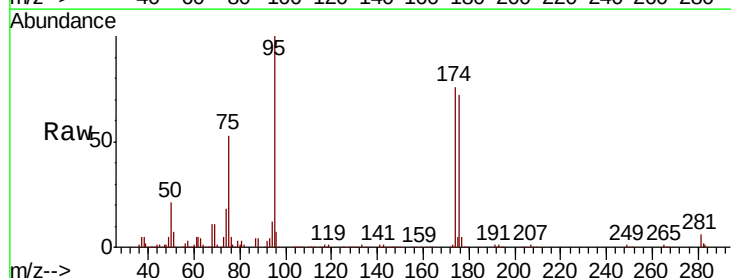


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

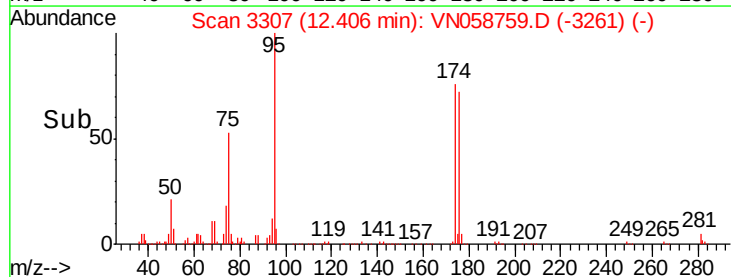
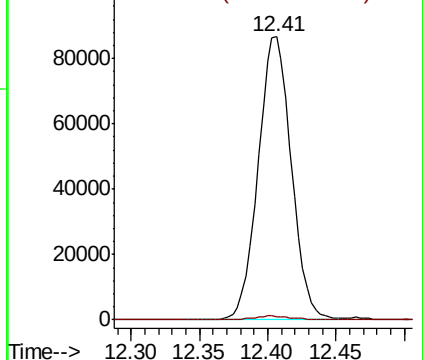


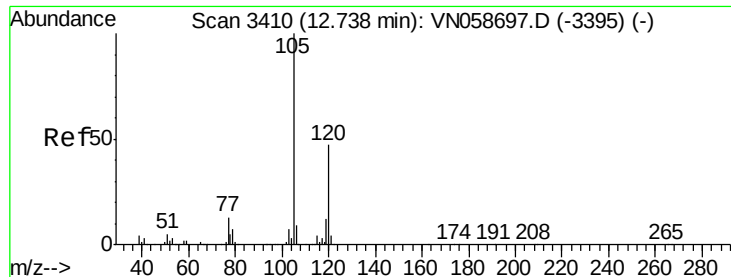
#76
1,2,3-Trichloropropane
Concen: 26.674 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058759.D
Acq: 14 Oct 2019 19:08

Tgt Ion:	75	Resp:	146118
Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0

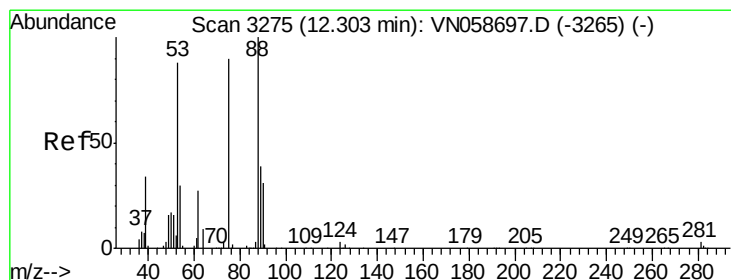
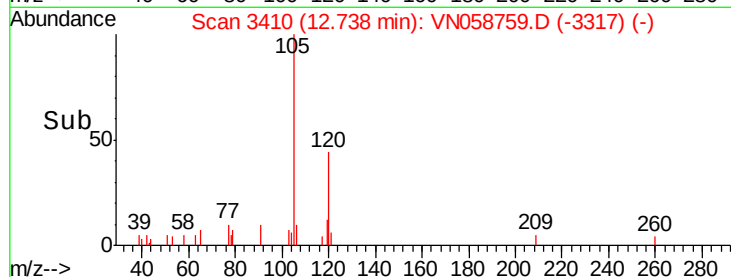
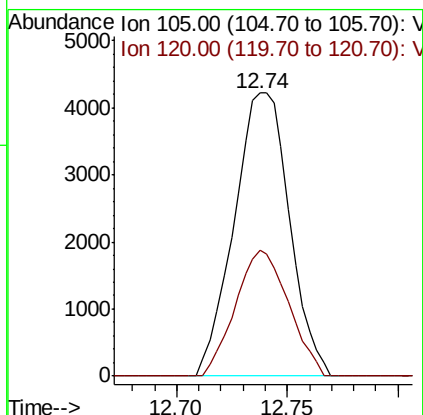
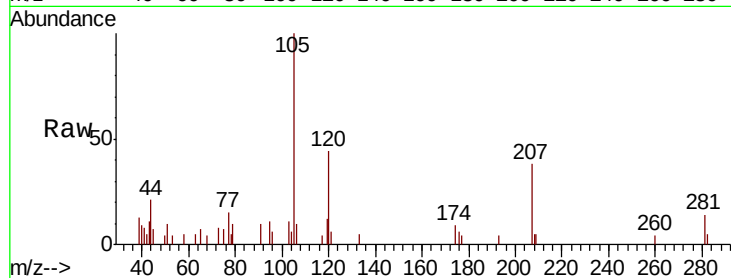




#80
 1,3,5-Trimethylbenzene
 Concen: 0.475 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 7330
 Ion Ratio Lower Upper
 105 100
 120 42.7 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.452 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058759.D
 Acq: 14 Oct 2019 19:08

Tgt Ion: 75 Resp: 146118
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.0 34.9 52.3#

