

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058839.D
 Acq On : 17 Oct 2019 19:34
 Operator : JC/SP
 Sample : K5394-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-15-E1-(0)

Quant Time: Oct 18 01:31:01 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	342434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189309	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	255155	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	7.57	113	182994	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.08	98	707741	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.40	95	222852	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

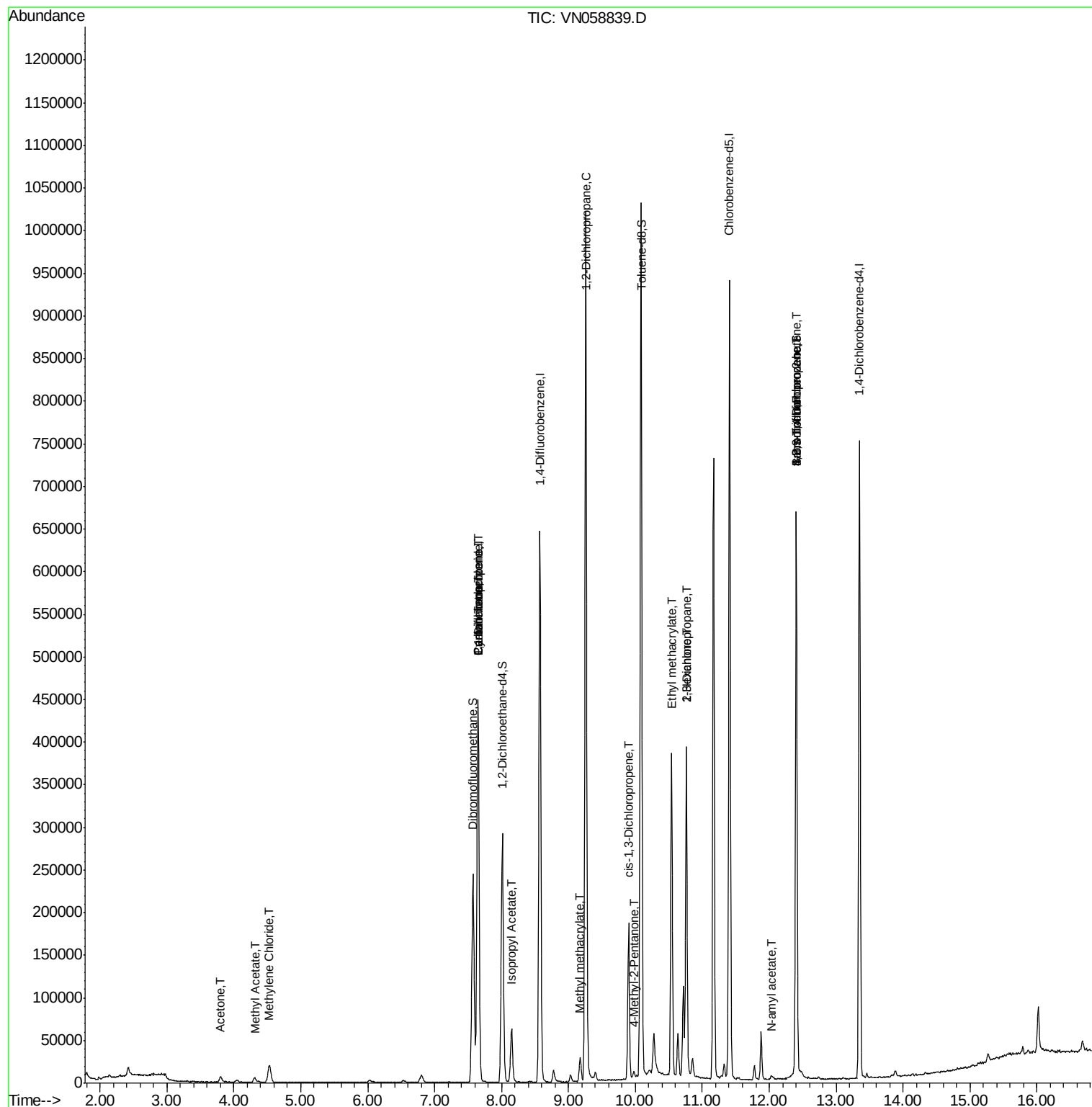
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	11328	5.708	ug/l #	86
18) Methyl Acetate	4.31	43	9767	1.940	ug/l #	75
20) Methylene Chloride	4.53	84	14630	3.527	ug/l	96
31) Cyclohexane	7.65	56	8258	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	29913	5.354	ug/l #	51
38) Carbon Tetrachloride	7.65	117	35698	6.556	ug/l #	16
43) Isopropyl Acetate	8.15	43	74025	7.691	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1183	0.275	ug/l #	45
48) Methyl methacrylate	9.17	41	5250	1.203	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	6107	1.130	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	31022	4.594	ug/l #	72
56) Ethyl methacrylate	10.54	69	1974	0.336	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3939	0.575	ug/l #	42
59) 2-Hexanone	10.76	43	59479	14.238	ug/l #	52
71) Bromoform	12.41	173	1826	0.653	ug/l #	1
74) N-amyl acetate	12.04	43	3394	0.551	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	122537	29.506	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	122537	79.037	ug/l #	11

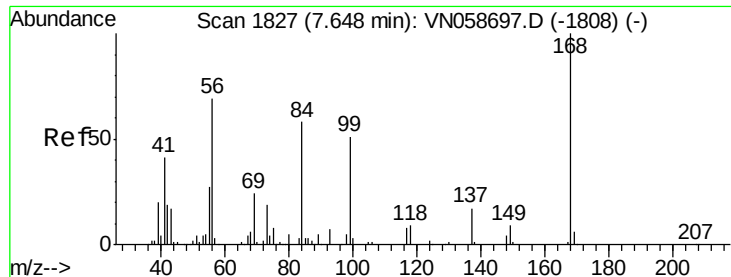
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

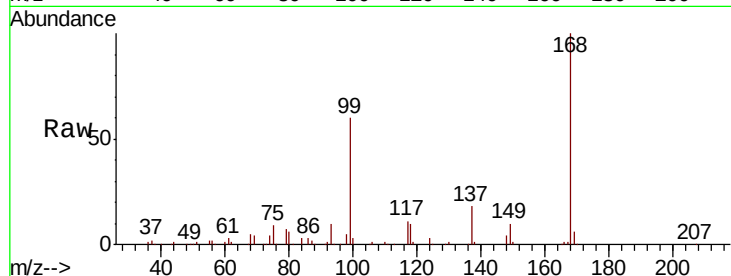
T-15-E1-(0)

Tot Ion:168 Resp: 342434

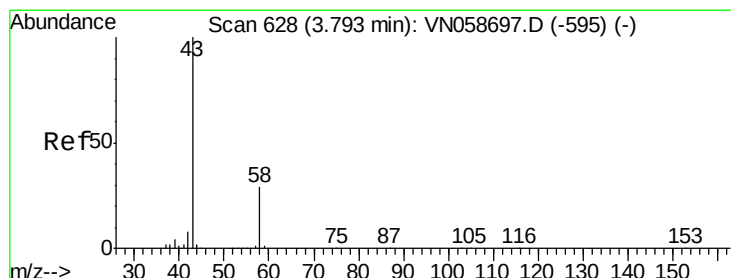
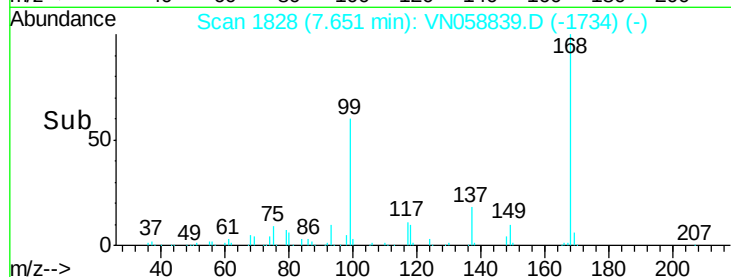
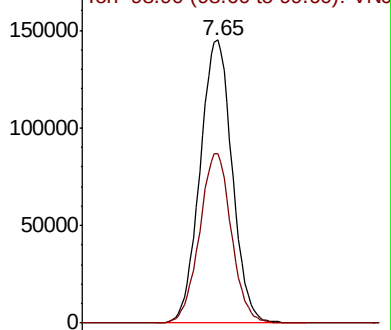
Ion Ratio Lower Upper

168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058839.D (-1734) (-)



#16

Acetone

Concen: 5.708 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058839.D

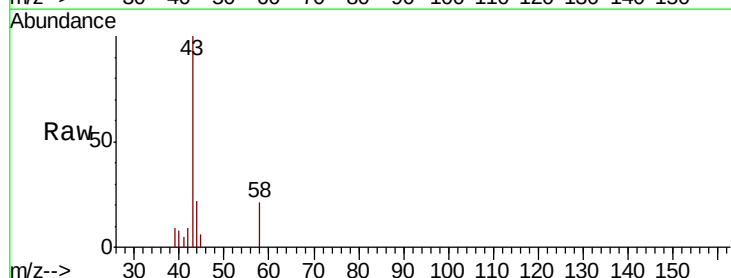
Acq: 17 Oct 2019 19:34

Tgt Ion: 43 Resp: 11328

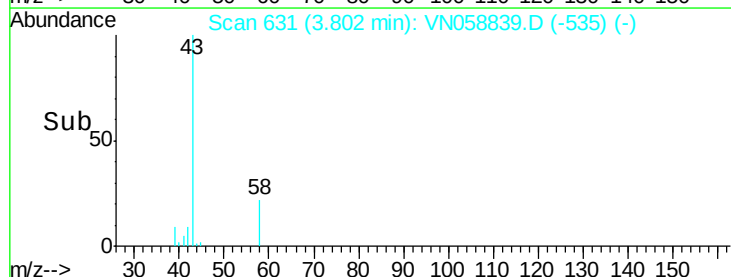
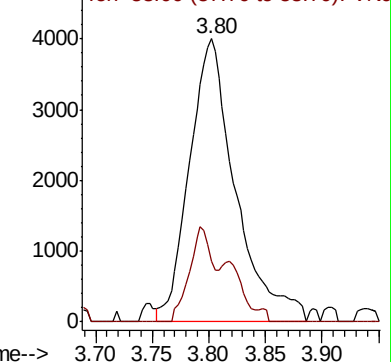
Ion Ratio Lower Upper

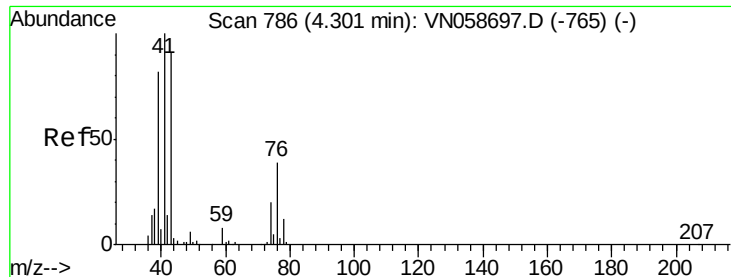
43 100

58 21.4 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058839.D (-535) (-)

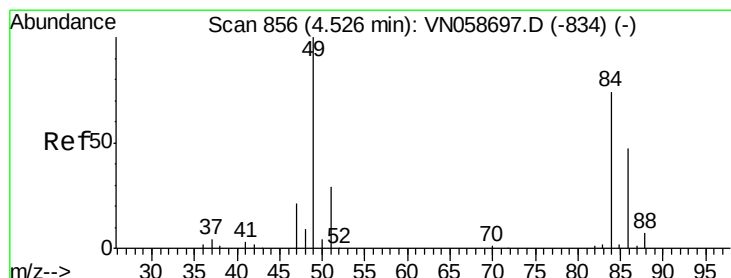
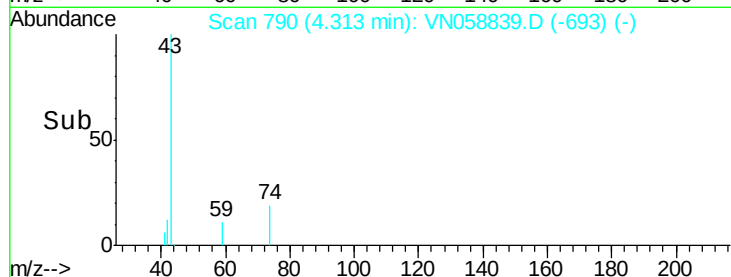
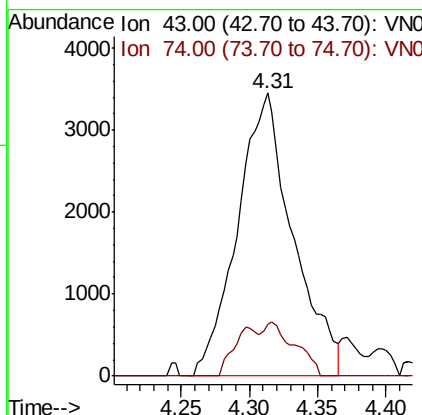
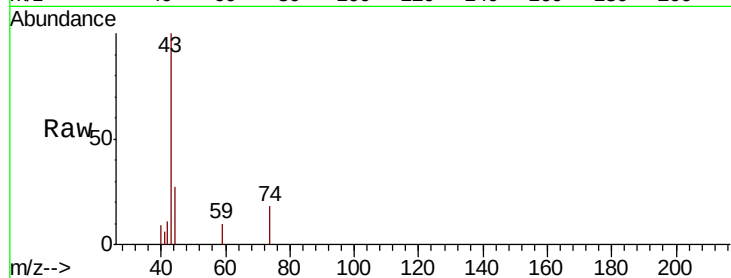




#18
Methyl Acetate
Concen: 1.940 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

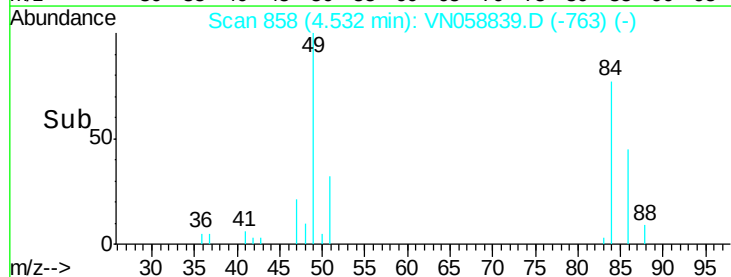
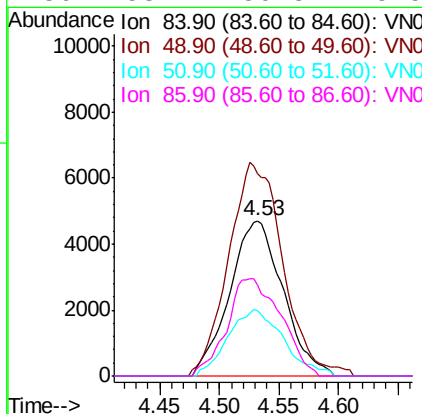
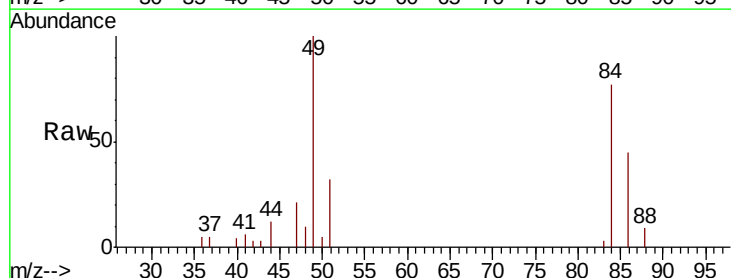
Instrument :
MSVOA_N
ClientSampleId :
T-15-E1-(0)

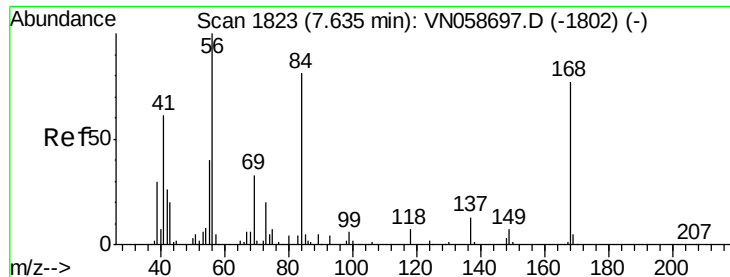
Tot Ion: 43 Resp: 9767
Ion Ratio Lower Upper
43 100
74 9.8 17.2 25.8#



#20
Methylene Chloride
Concen: 3.527 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Tgt Ion: 84 Resp: 14630
Ion Ratio Lower Upper
84 100
49 130.3 107.6 161.4
51 42.1 31.4 47.0
86 58.4 50.3 75.5

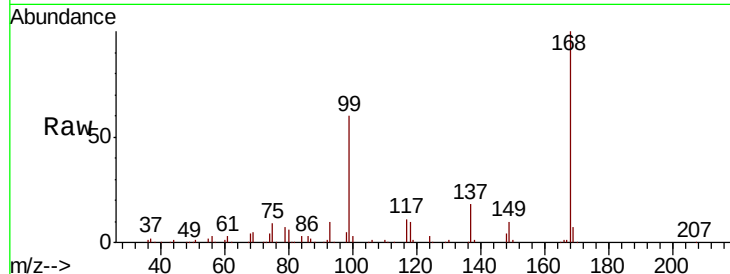




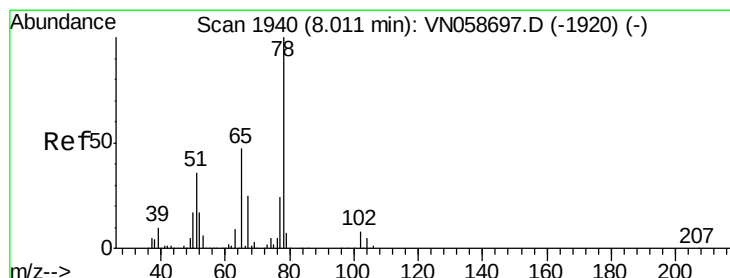
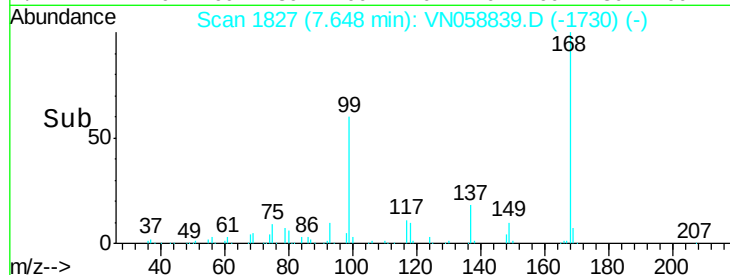
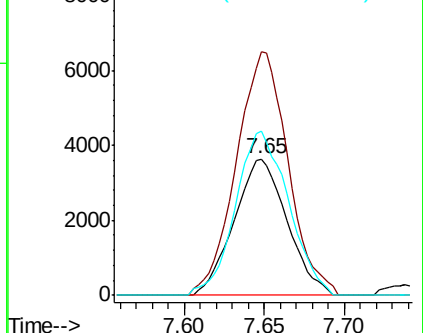
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Instrument :
MSVOA_N
ClientSampled :
T-15-E1-(0)

Tot Ion: 56 Resp: 8258
Ion Ratio Lower Upper
56 100
69 178.5 26.2 39.4#
84 120.7 64.9 97.3#

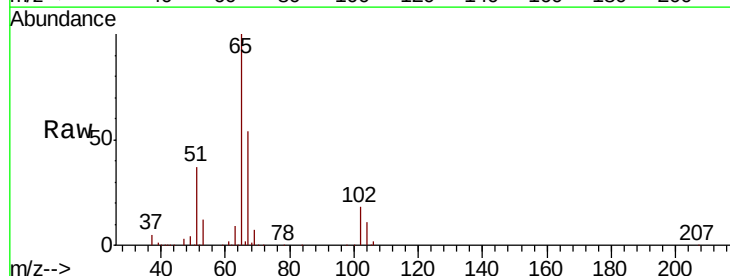


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

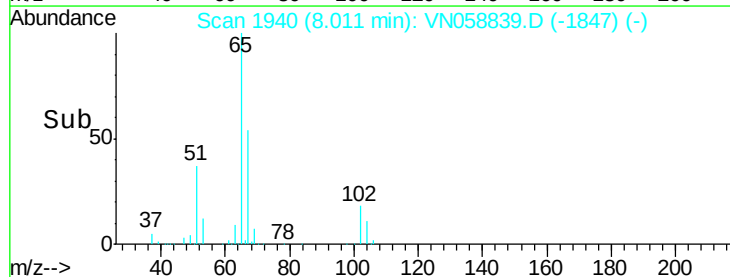
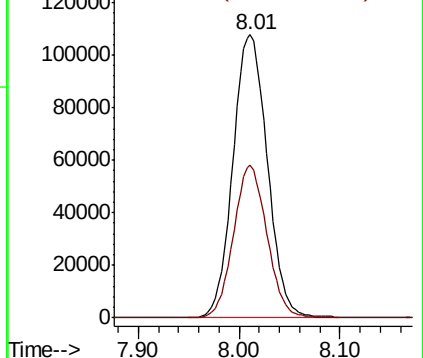


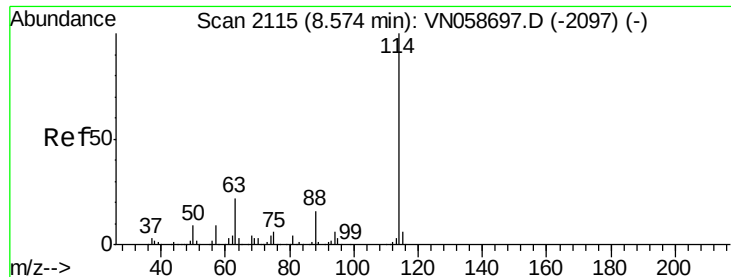
#33
1,2-Dichloroethane-d4
Concen: 53.224 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Tgt Ion: 65 Resp: 255155
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.8



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

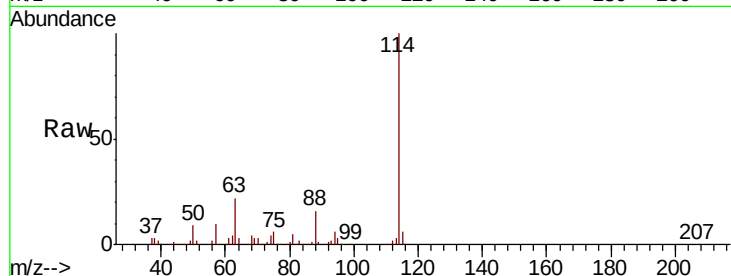




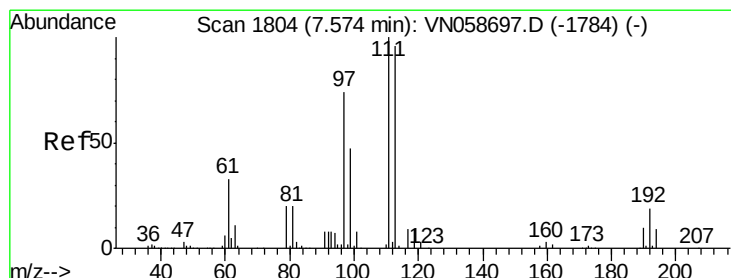
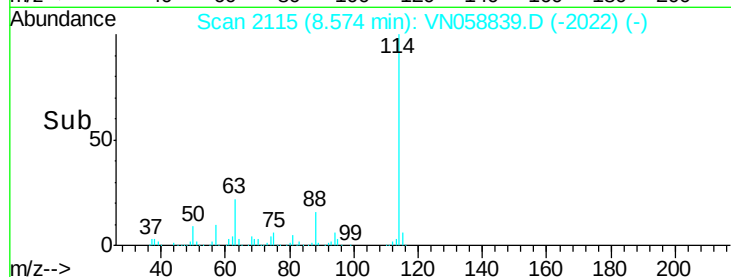
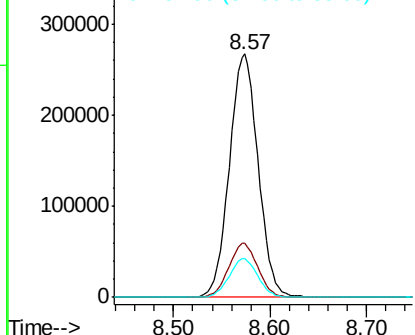
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058839.D
 Acq: 17 Oct 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 T-15-E1-(0)

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.8
88	16.0	0.0	32.0

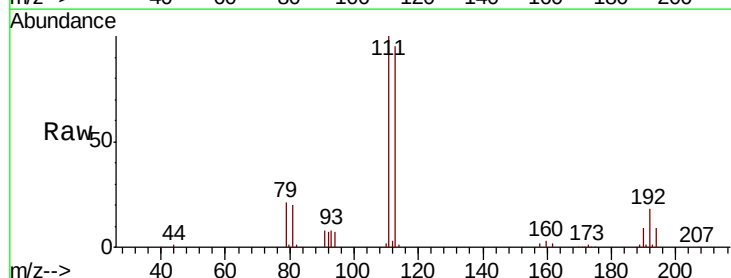


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

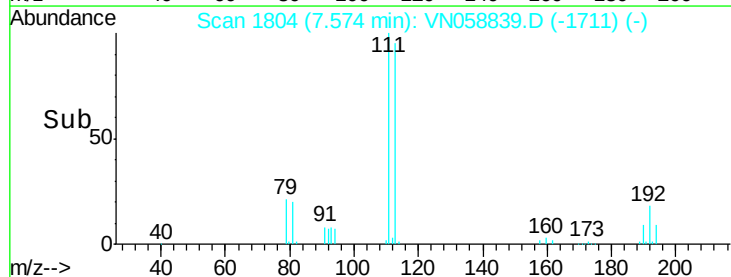
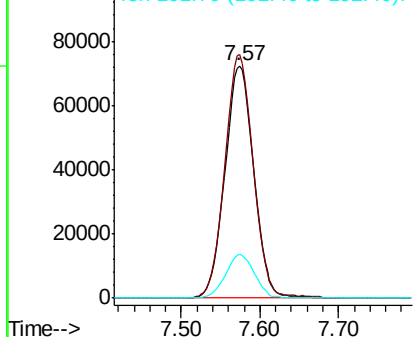


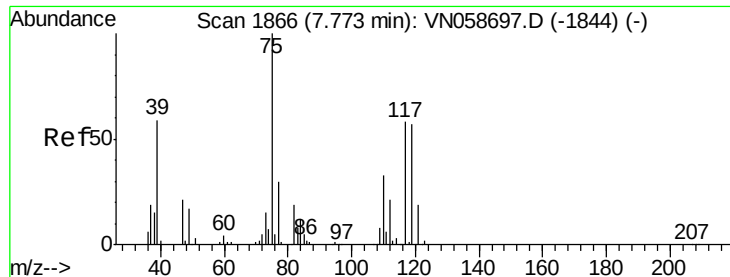
#35
 Dibromofluoromethane
 Concen: 53.617 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058839.D
 Acq: 17 Oct 2019 19:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.3	123.5
192	18.7	15.0	22.6



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

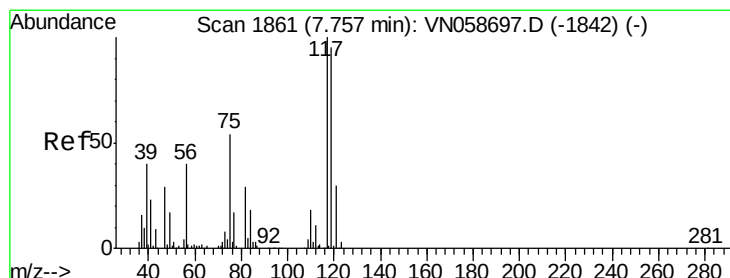
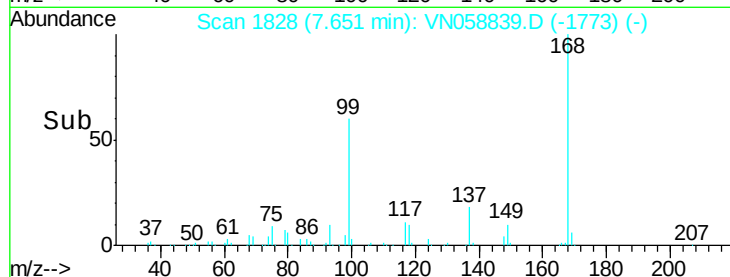
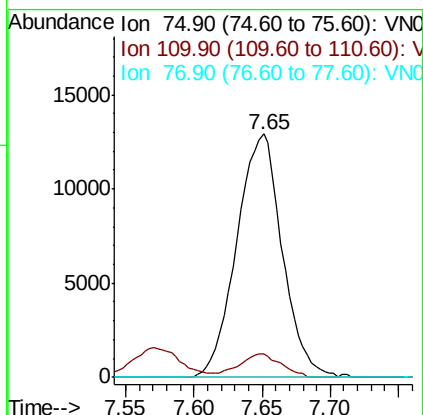
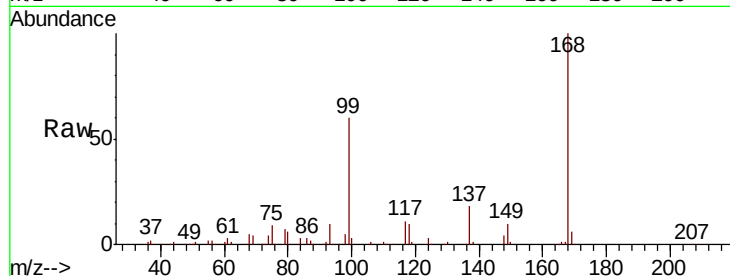




#36
 1,1-Dichloropropene
 Concen: 5.354 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058839.D
 Acq: 17 Oct 2019 19:34

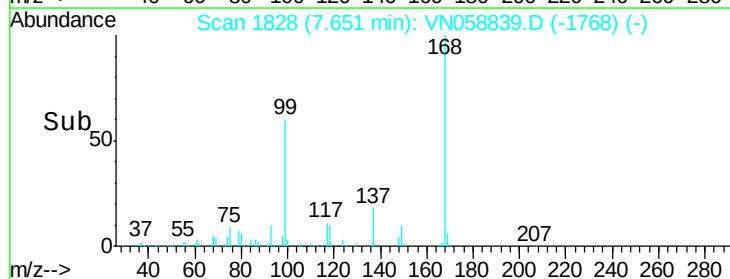
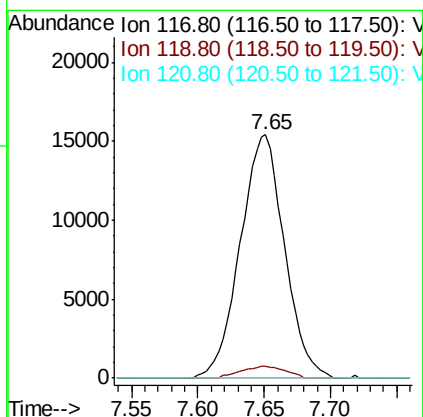
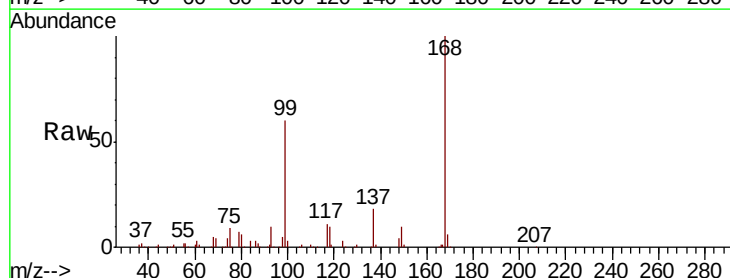
Instrument :
 MSVOA_N
 ClientSampleId :
 T-15-E1-(0)

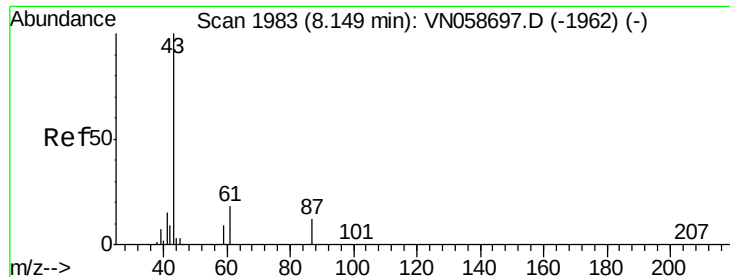
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.556 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058839.D
 Acq: 17 Oct 2019 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.7	113.5#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 7.691 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

T-15-E1-(0)

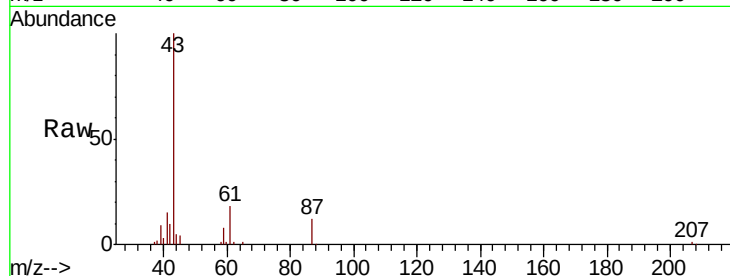
Tot Ion: 43 Resp: 74025

Ion Ratio Lower Upper

43 100

61 18.2 20.3 30.5#

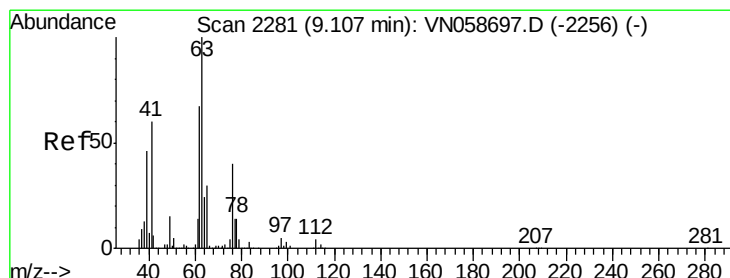
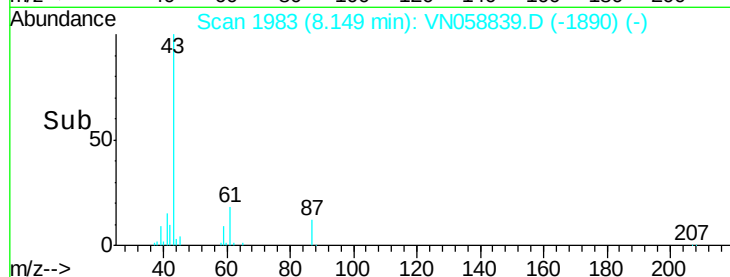
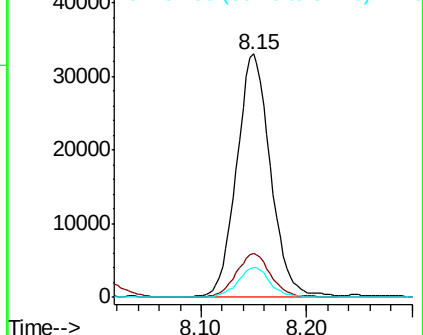
87 11.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.275 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058839.D

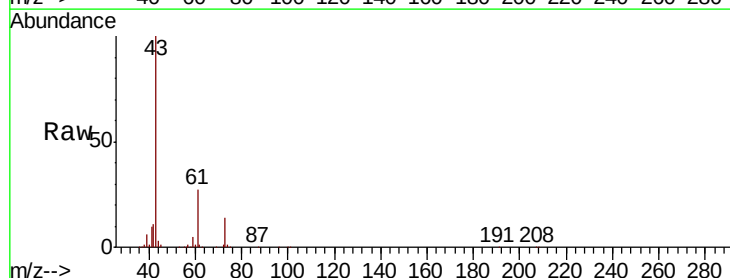
Acq: 17 Oct 2019 19:34

Tgt Ion: 63 Resp: 1183

Ion Ratio Lower Upper

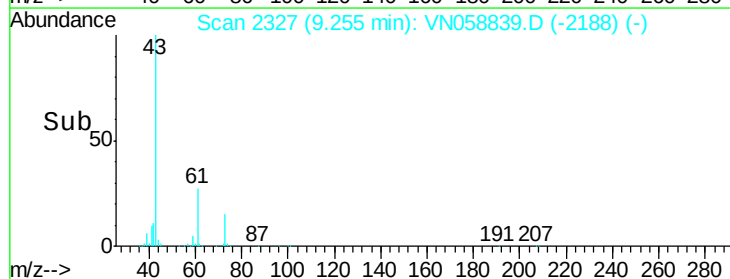
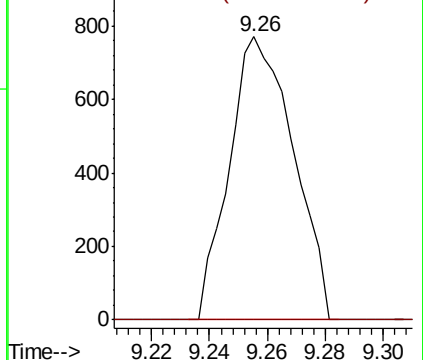
63 100

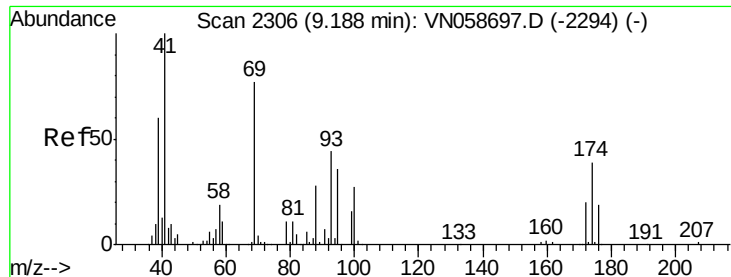
65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

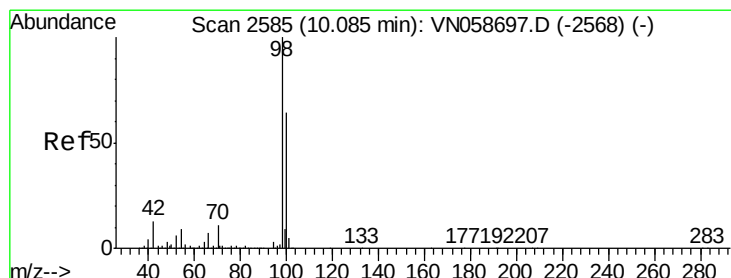
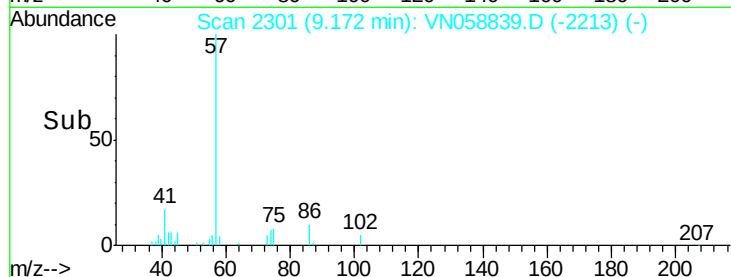
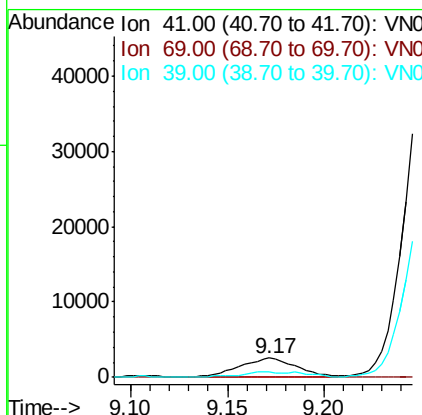
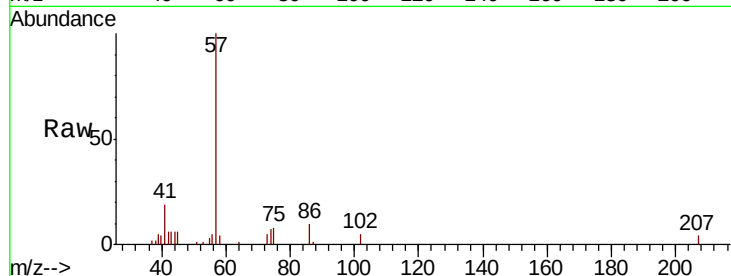




#48
Methvl methacrylate
Concen: 1.203 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

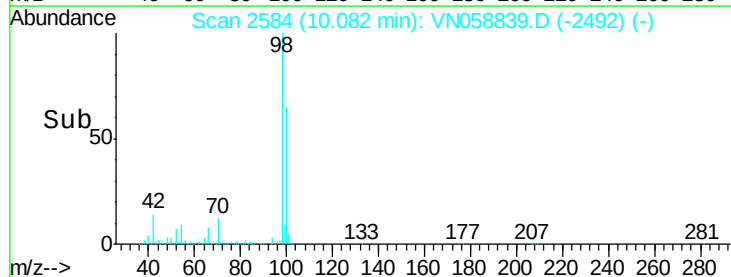
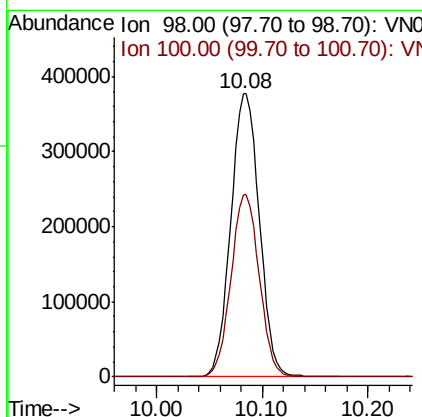
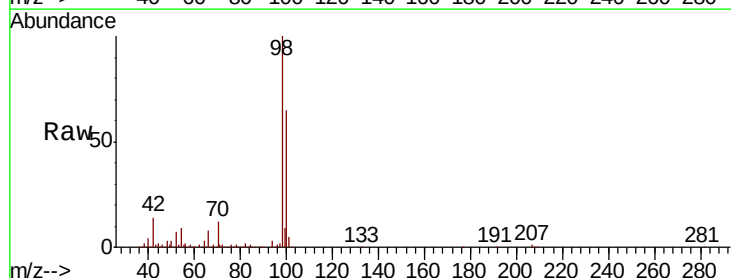
Instrument :
MSVOA_N
ClientSampleId :
T-15-E1-(0)

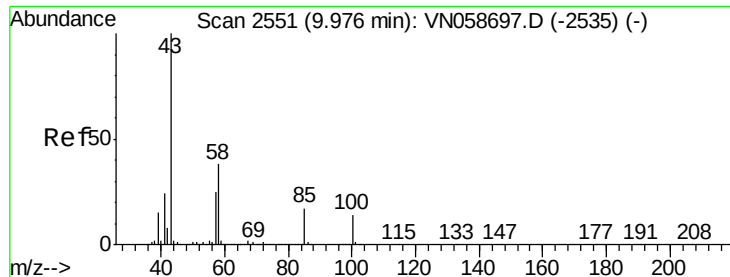
Tot Ion: 41 Resp: 5250
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#50
Toluene-d8
Concen: 51.856 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Tgt Ion: 98 Resp: 707741
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.130 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

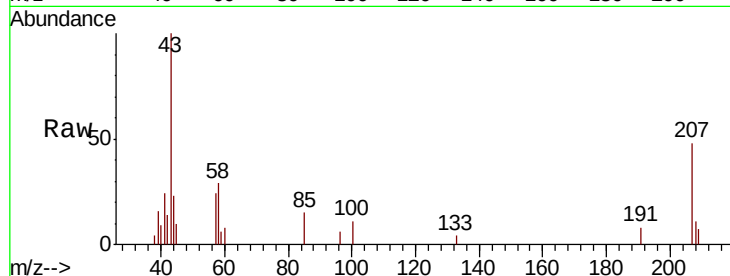
T-15-E1-(0)

Tot Ion: 43 Resp: 6107

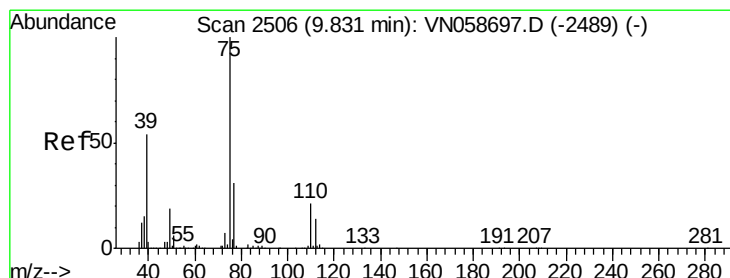
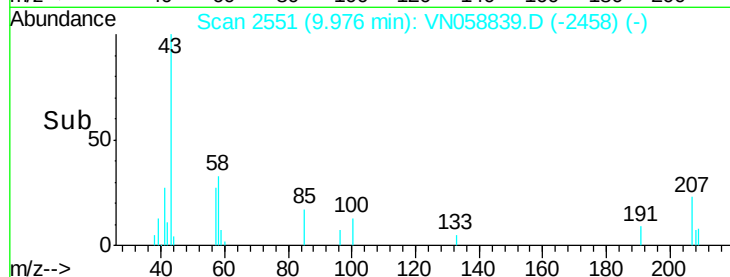
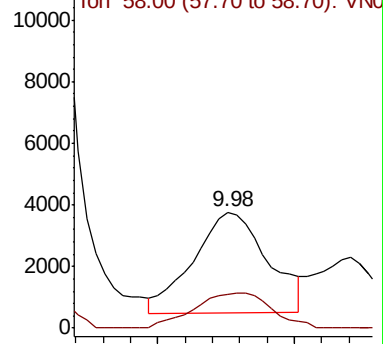
Ion Ratio Lower Upper

43 100

58 36.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058839.D (-2458) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.594 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

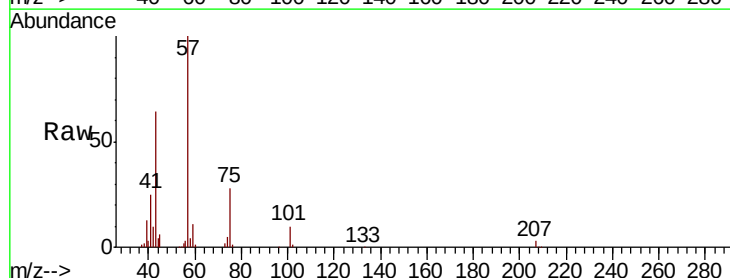
Tgt Ion: 75 Resp: 31022

Ion Ratio Lower Upper

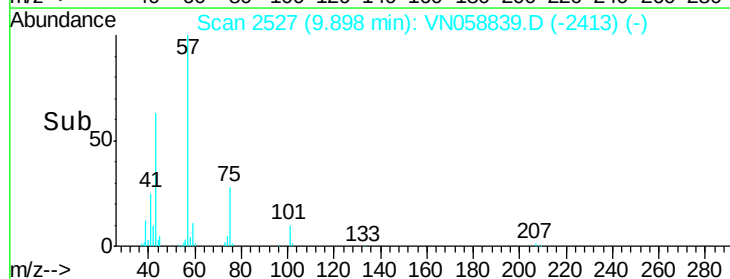
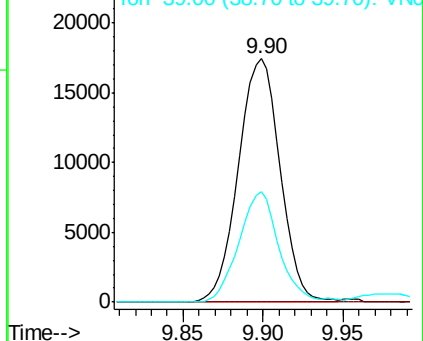
75 100

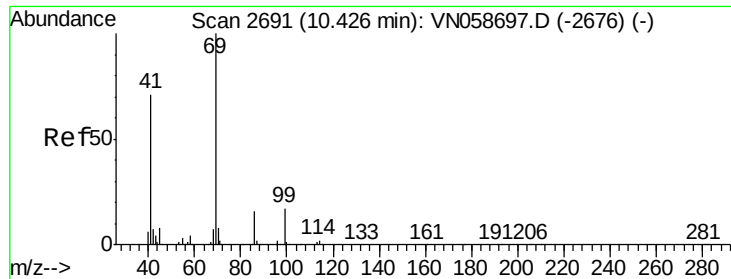
77 0.0 24.4 36.6#

39 45.5 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN058839.D (-2413) (-)





#56

Ethyl methacrylate

Concen: 0.336 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

T-15-E1-(0)

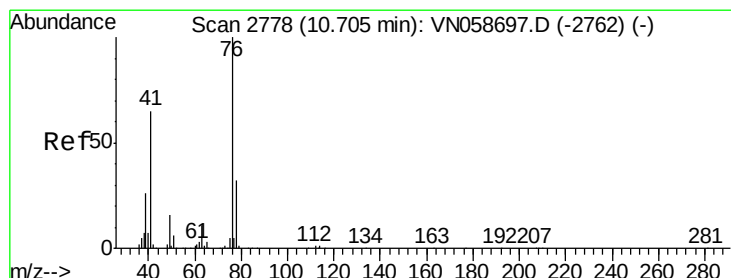
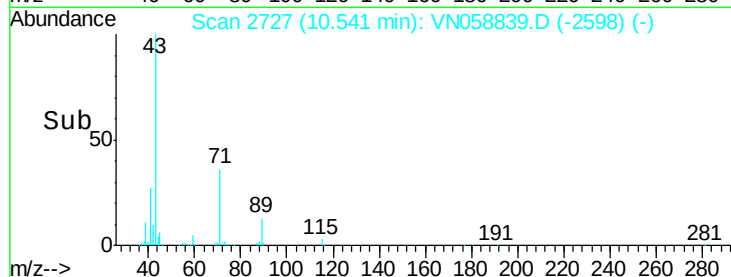
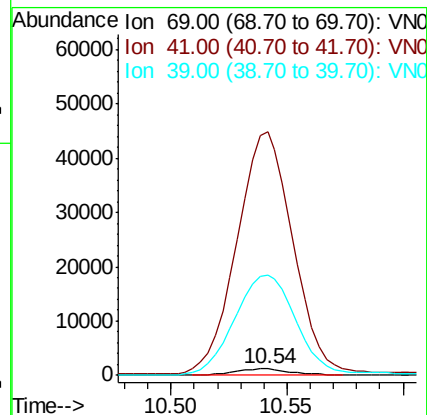
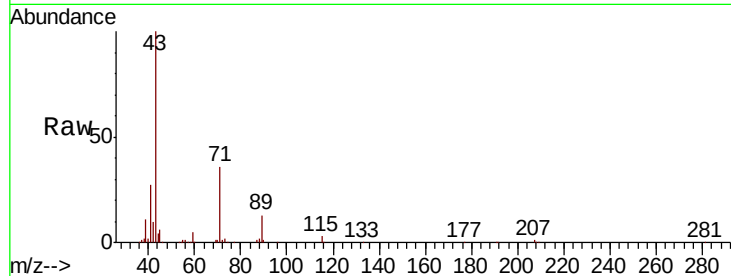
Tot Ion: 69 Resp: 1974

Ion Ratio Lower Upper

69 100

41 3812.5 56.8 85.2#

39 1758.2 32.5 48.7#



#57

1,3-Dichloropropane

Concen: 0.575 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058839.D

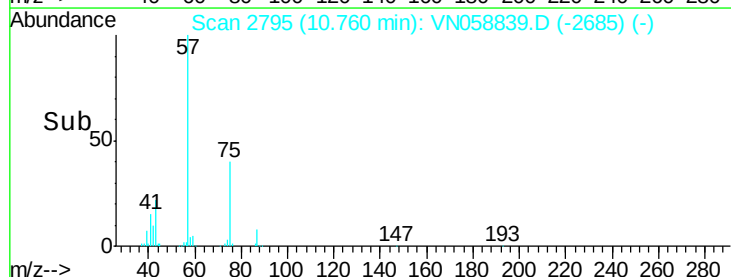
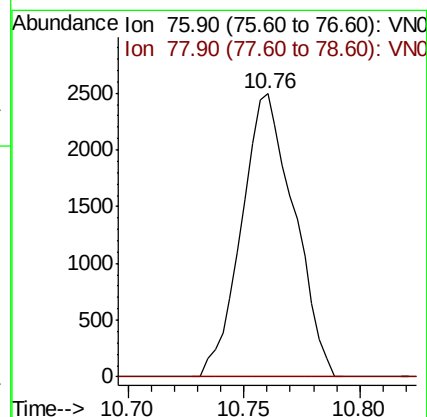
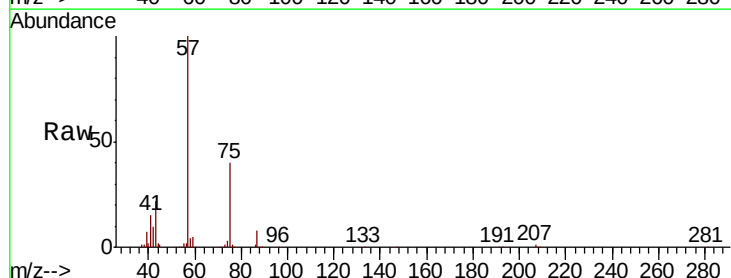
Acq: 17 Oct 2019 19:34

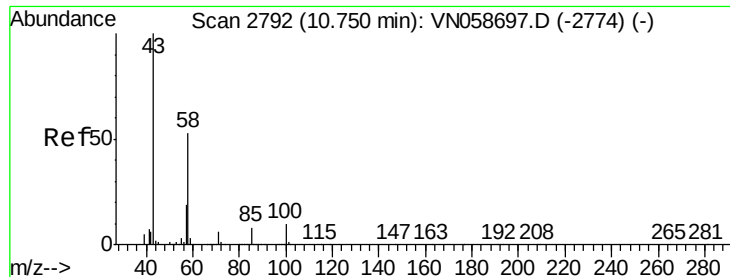
Tgt Ion: 76 Resp: 3939

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

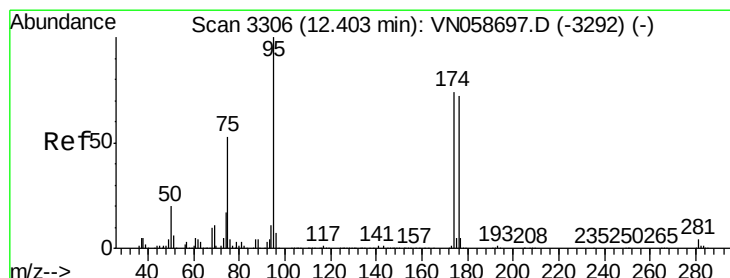
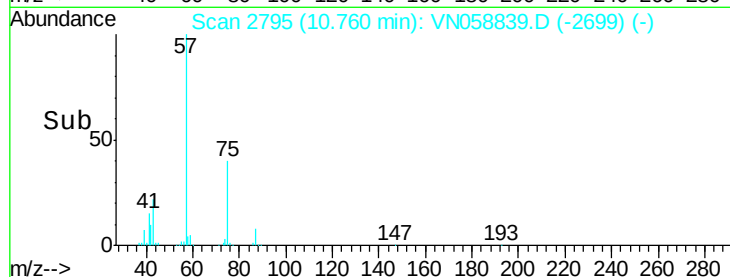
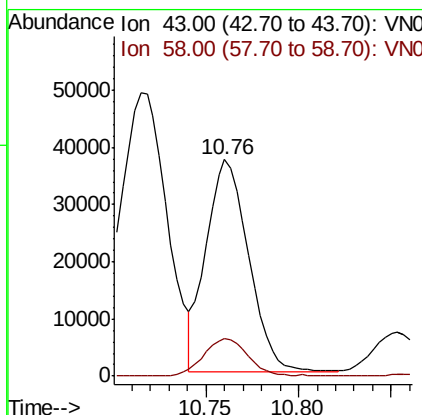
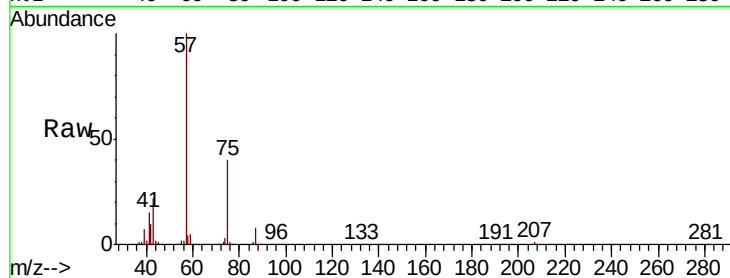




#59
2-Hexanone
Concen: 14.238 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

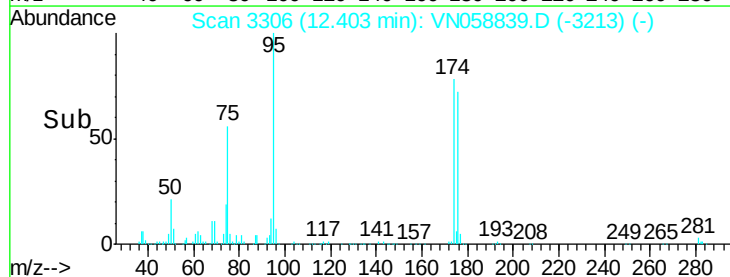
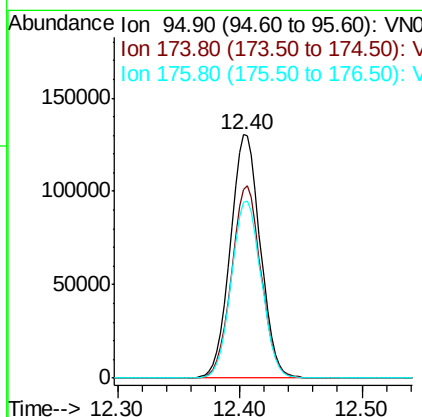
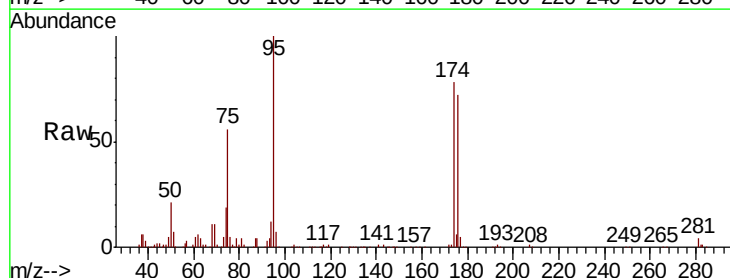
Instrument :
MSVOA_N
ClientSampled :
T-15-E1-(0)

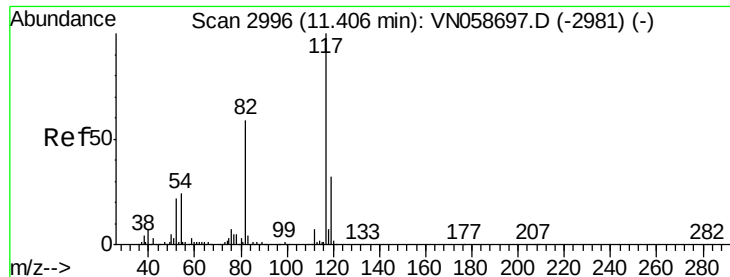
Tot Ion: 43 Resp: 59479
Ion Ratio Lower Upper
43 100
58 18.6 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 43.136 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Tgt Ion: 95 Resp: 222852
Ion Ratio Lower Upper
95 100
174 77.9 0.0 150.4
176 72.9 0.0 146.8

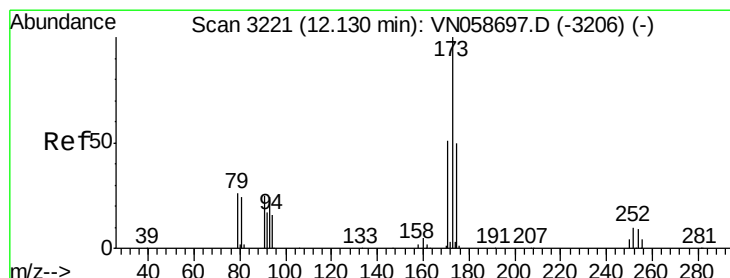
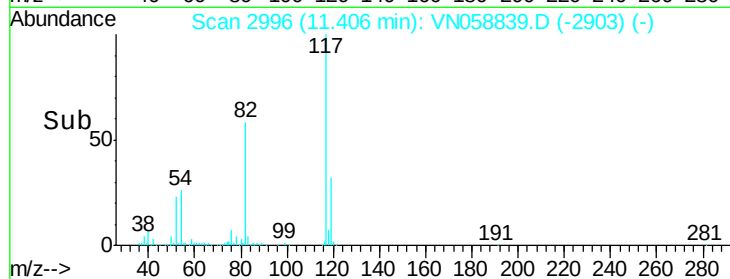
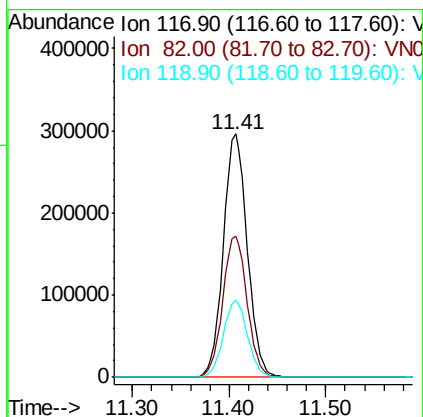
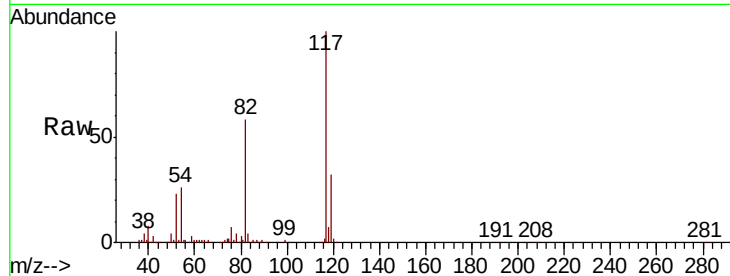




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

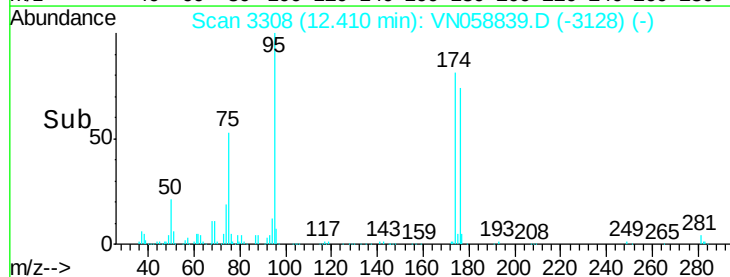
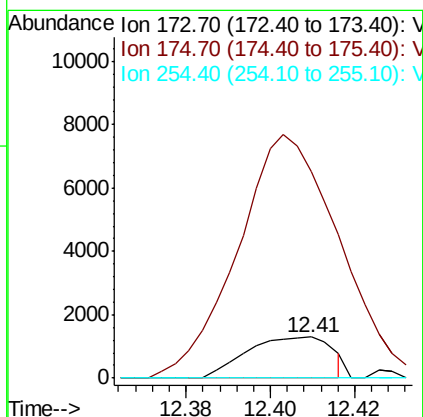
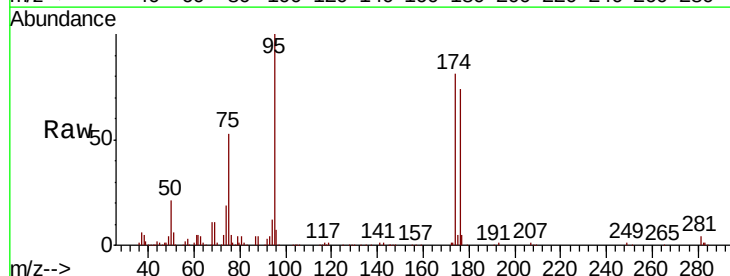
Instrument :
MSVOA_N
ClientSampleId :
T-15-E1-(0)

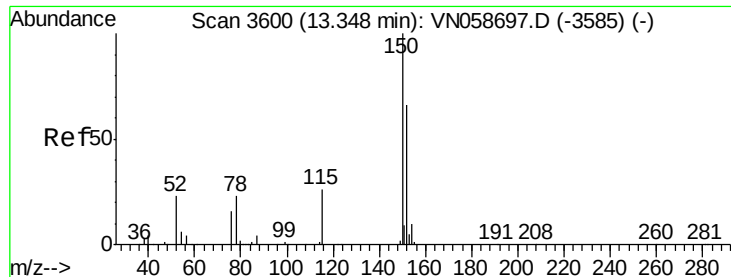
Tot Ion:117 Resp: 508061
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.4
119 31.5 25.4 38.2



#71
Bromoform
Concen: 0.653 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN058839.D
Acq: 17 Oct 2019 19:34

Tgt Ion:173 Resp: 1826
Ion Ratio Lower Upper
173 100
175 615.7 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

T-15-E1-(0)

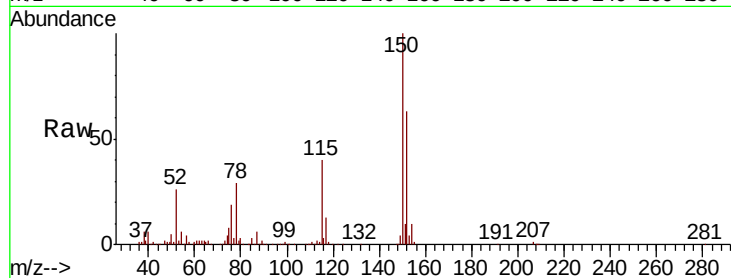
Tot Ion:152 Resp: 189309

Ion Ratio Lower Upper

152 100

115 61.9 30.4 91.2

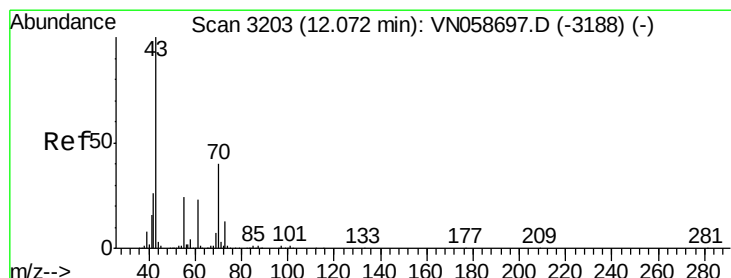
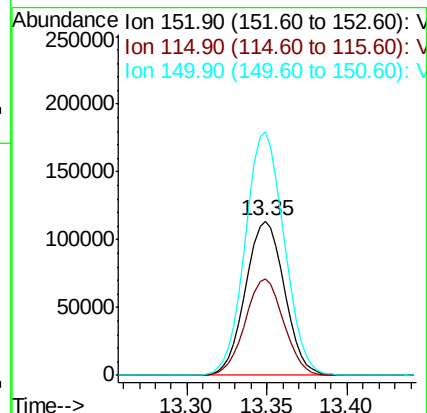
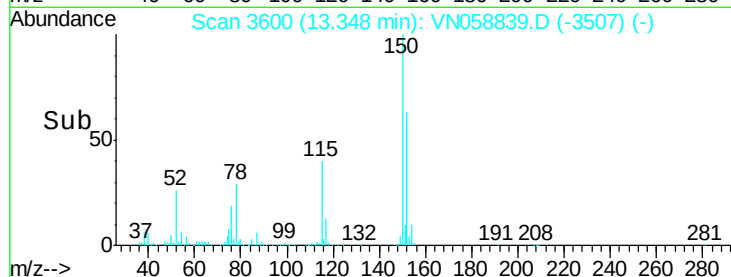
150 157.6 0.0 345.4



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-ethyl acetate

Concen: 0.551 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Tgt Ion: 43 Resp: 3394

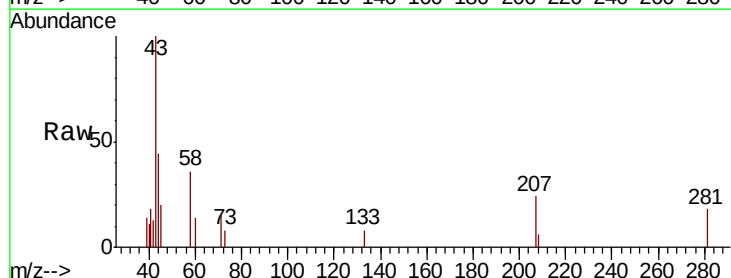
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 4.5 19.6 29.4#

61 0.0 18.6 28.0#

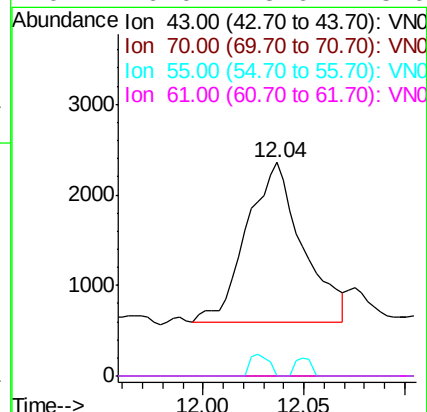
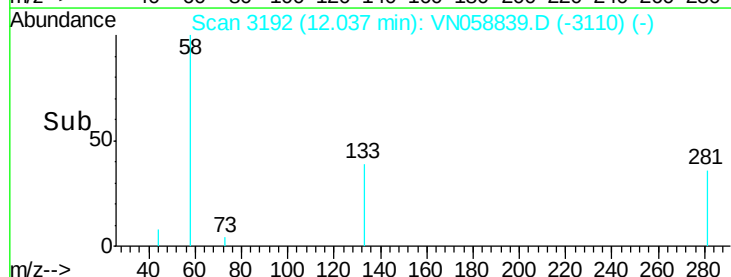


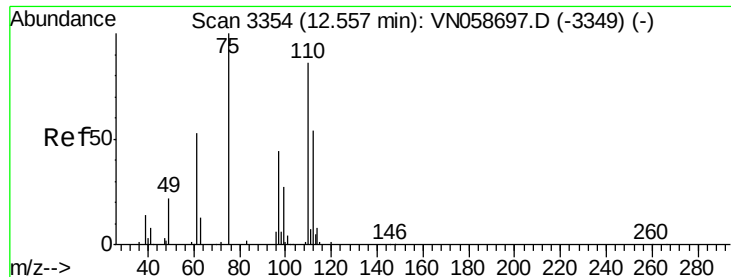
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.506 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

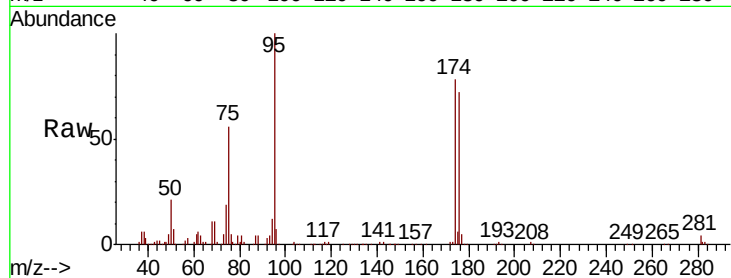
T-15-E1-(0)

Tot Ion: 75 Resp: 122537

Ion Ratio Lower Upper

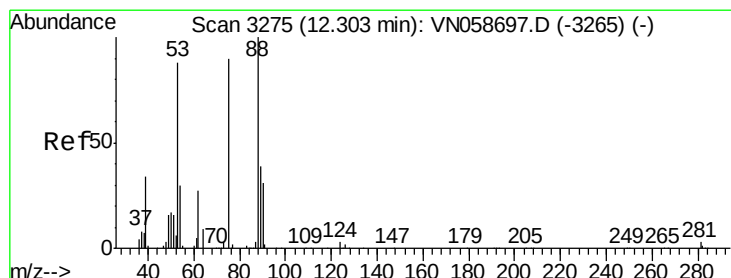
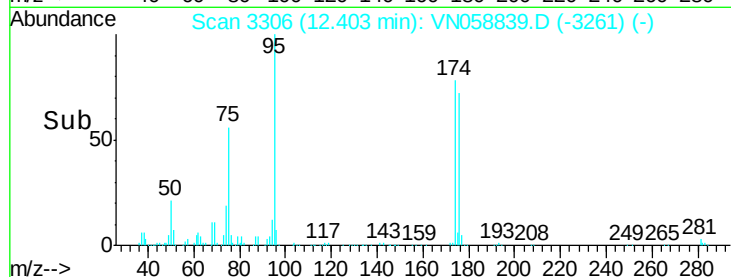
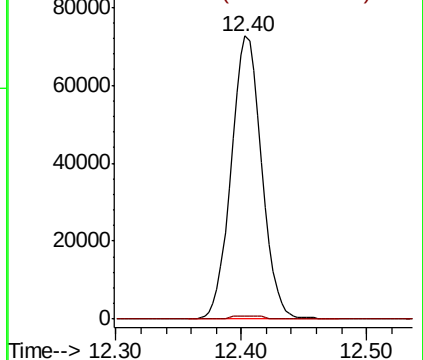
75 100

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: 79.037 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058839.D

Acq: 17 Oct 2019 19:34

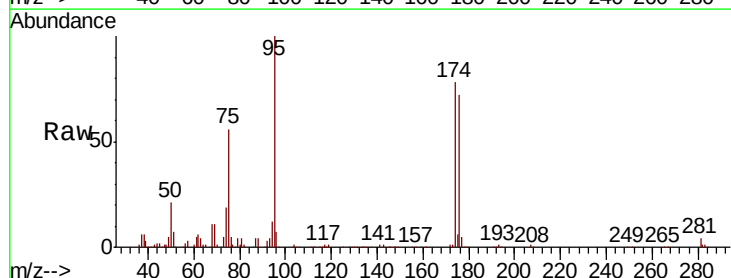
Tgt Ion: 75 Resp: 122537

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

