

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058827.D
 Acq On : 17 Oct 2019 15:08
 Operator : JC/SP
 Sample : K5393-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-6-D3-(46)

Quant Time: Oct 18 01:28:10 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	367822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	594721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	203734	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	270707	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	7.57	113	195777	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	10.08	98	755155	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.41	95	242997	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

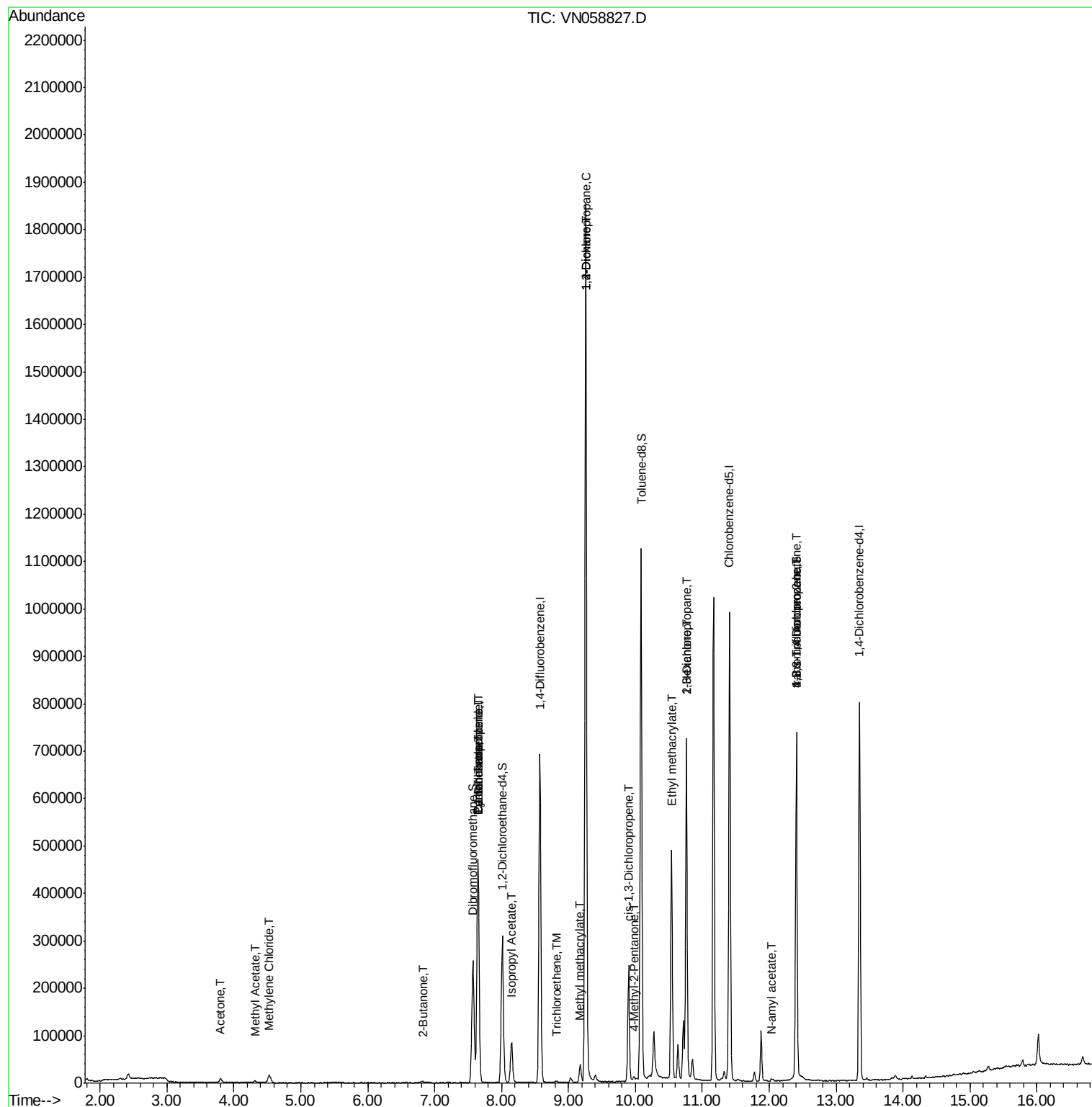
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	13771	6.460	ug/l	94
18) Methyl Acetate	4.31	43	5145	0.951	ug/l	93
20) Methylene Chloride	4.53	84	11602	2.604	ug/l	92
25) 2-Butanone	6.82	43	2686	0.872	ug/l	90
31) Cyclohexane	7.64	56	9079	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31044	5.163	ug/l #	51
38) Carbon Tetrachloride	7.65	117	37175	6.343	ug/l #	17
43) Isopropyl Acetate	8.15	43	103163	9.958	ug/l #	90
44) Trichloroethene	8.83	130	1272	0.297	ug/l	70
45) 1,2-Dichloropropane	9.26	63	2283	0.494	ug/l #	45
48) Methyl methacrylate	9.17	41	5736	1.221	ug/l #	14
49) 1,4-Dioxane	9.25	88	89	1.225	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6169	1.060	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	39775	5.472	ug/l #	69
56) Ethyl methacrylate	10.54	69	2027	0.321	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7226	0.981	ug/l #	42
59) 2-Hexanone	10.76	43	110523	24.581	ug/l #	51
74) N-amyl acetate	12.03	43	4998	0.754	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	131463	29.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131463	78.790	ug/l #	11

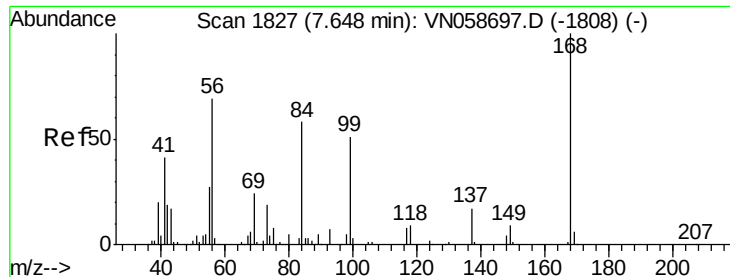
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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# 1827

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

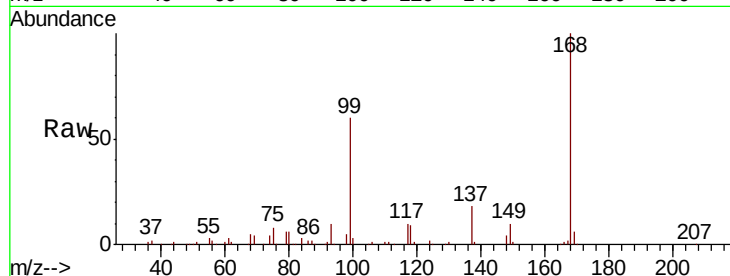
T-6-D3-(46)

Tot Ion:168 Resp: 367822

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

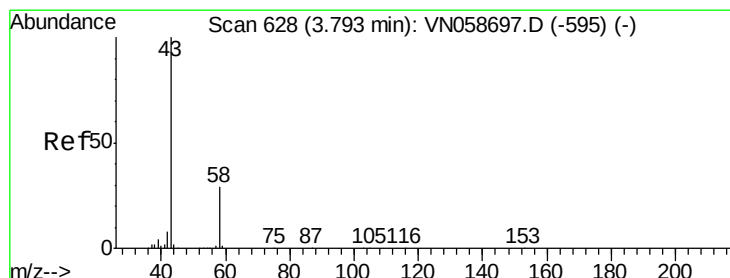
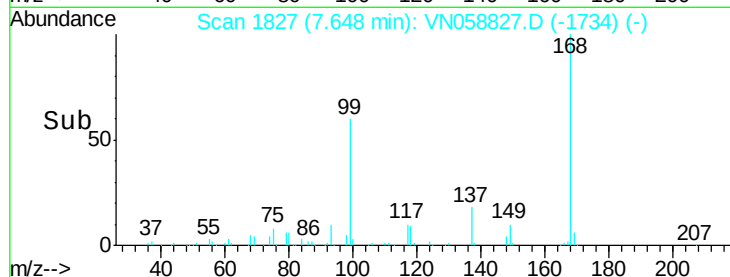
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.460 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058827.D

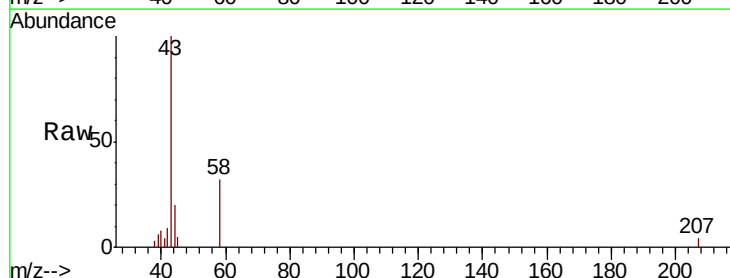
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 13771

Ion Ratio Lower Upper

43 100

58 32.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

6000

5000

4000

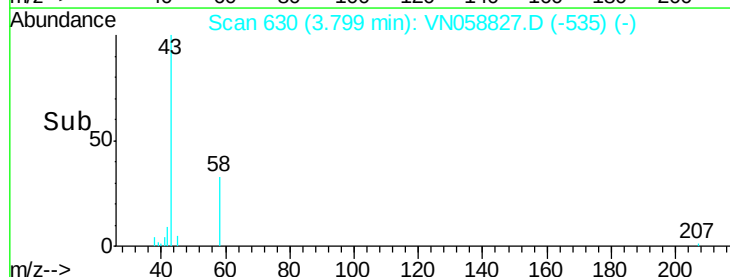
3000

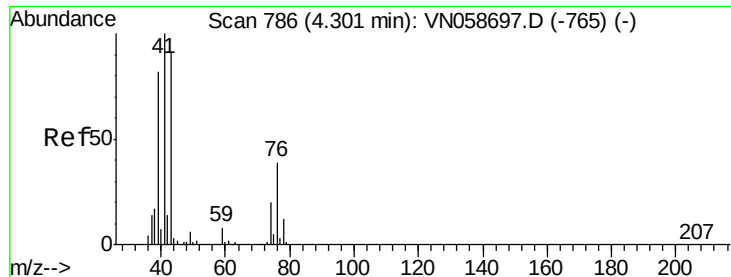
2000

1000

0

Time-->

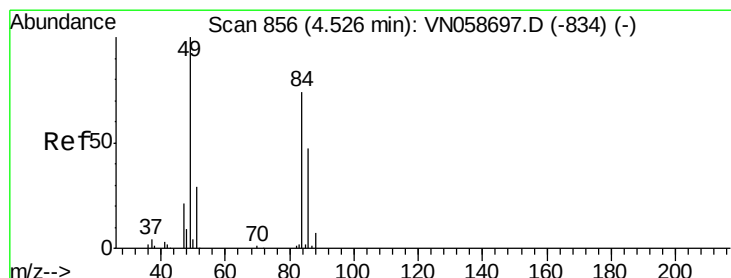
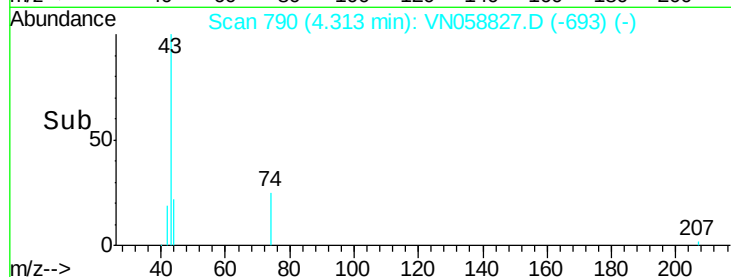
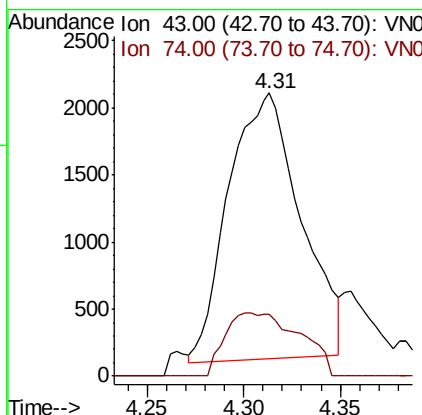
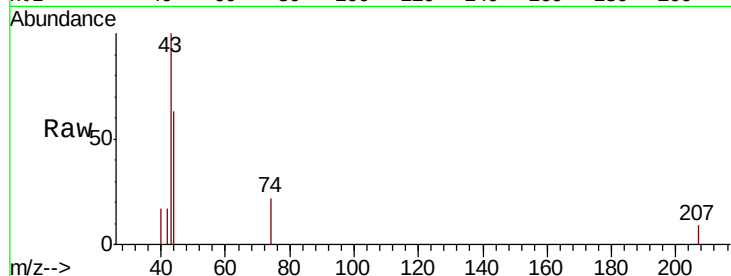




#18
Methvl Acetate
Concen: 0.951 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

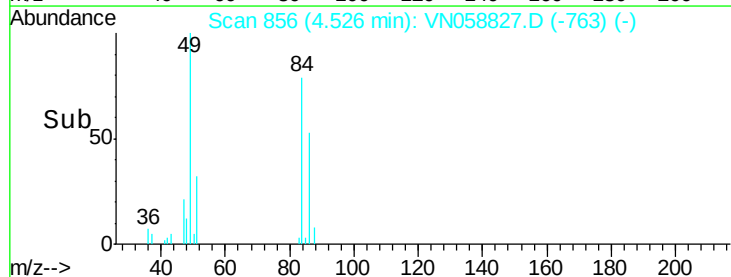
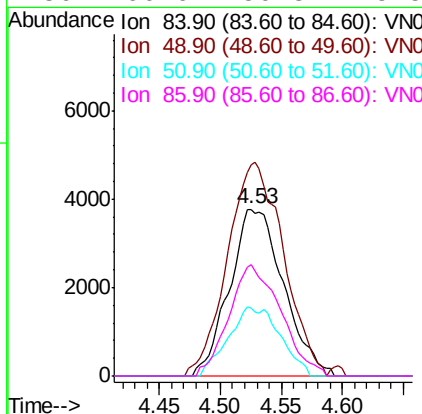
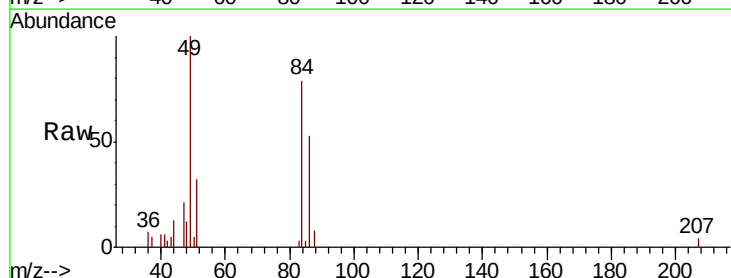
Instrument :
MSVOA_N
ClientSampled :
T-6-D3-(46)

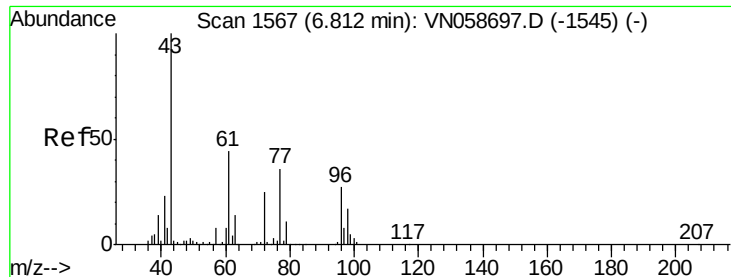
Tot Ion: 43 Resp: 5145
Ion Ratio Lower Upper
43 100
74 24.7 17.2 25.8



#20
Methylene Chloride
Concen: 2.604 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 84 Resp: 11602
Ion Ratio Lower Upper
84 100
49 122.2 107.6 161.4
51 40.6 31.4 47.0
86 66.6 50.3 75.5





#25

2-Butanone

Concen: 0.872 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

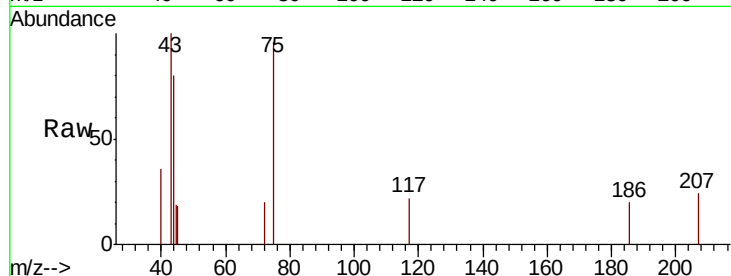
T-6-D3-(46)

Tot Ion: 43 Resp: 2686

Ion Ratio Lower Upper

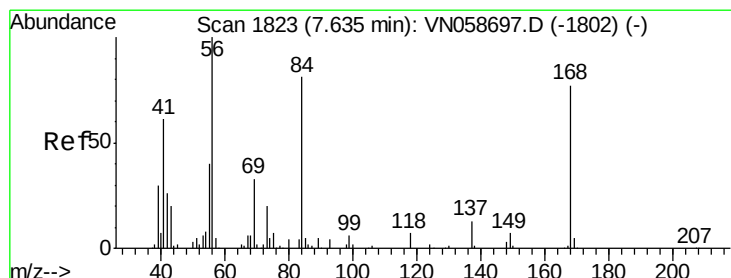
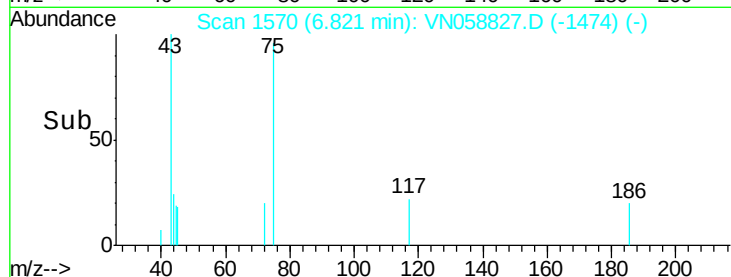
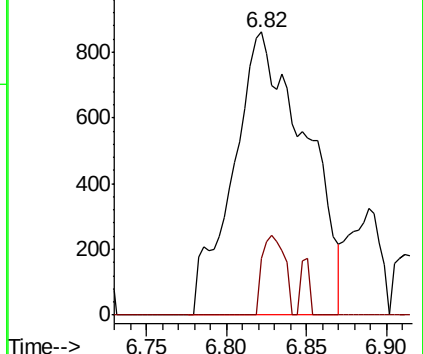
43 100

72 20.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

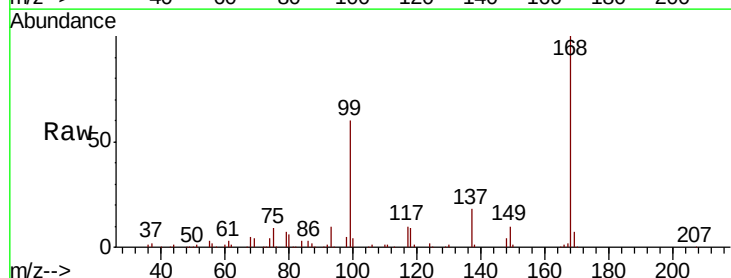
Tgt Ion: 56 Resp: 9079

Ion Ratio Lower Upper

56 100

69 163.7 26.2 39.4#

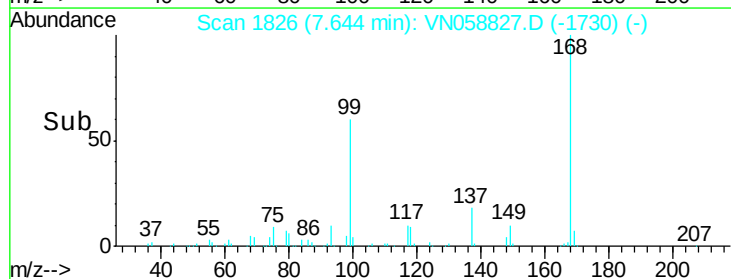
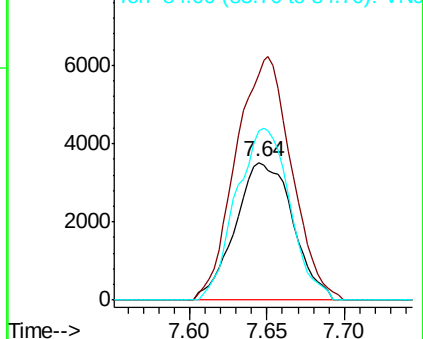
84 122.8 64.9 97.3#

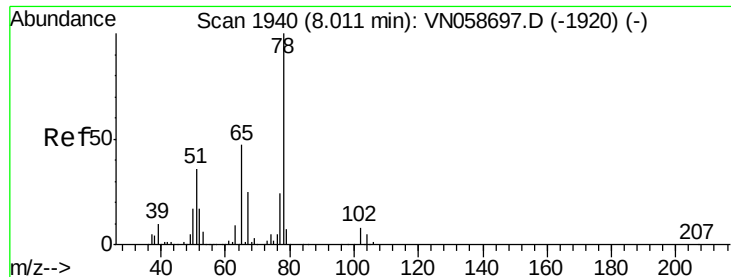


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

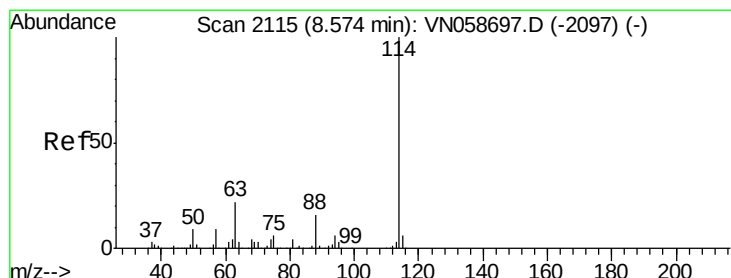
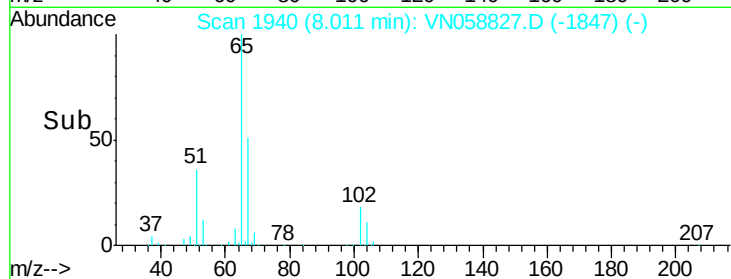
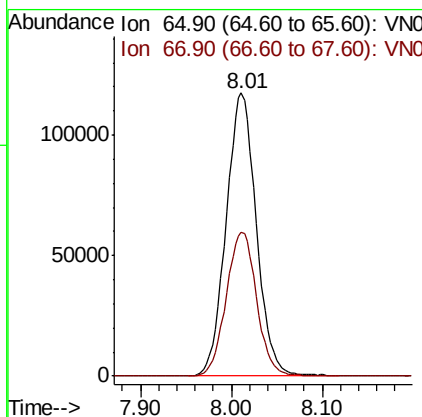
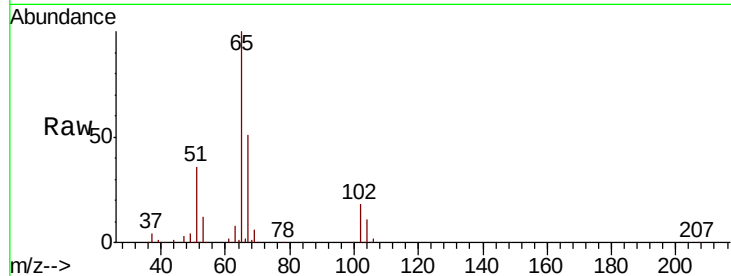




#33
 1,2-Dichloroethane-d4
 Concen: 52.570 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

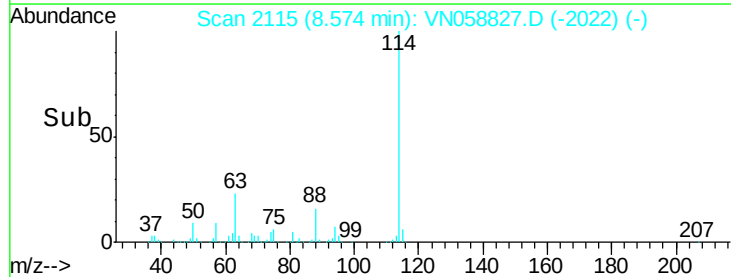
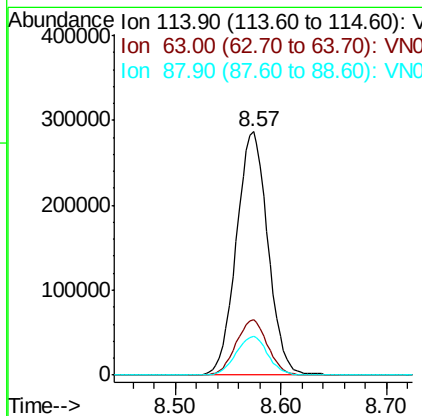
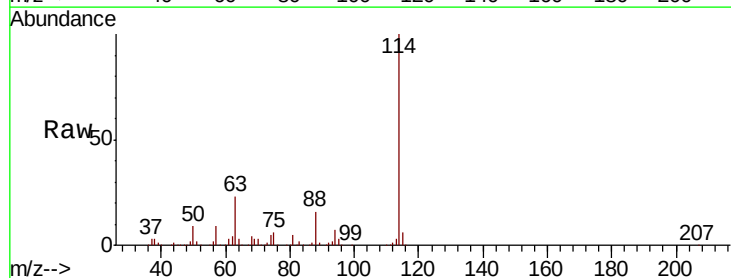
Instrument :
 MSVOA_N
 ClientSampled :
 T-6-D3-(46)

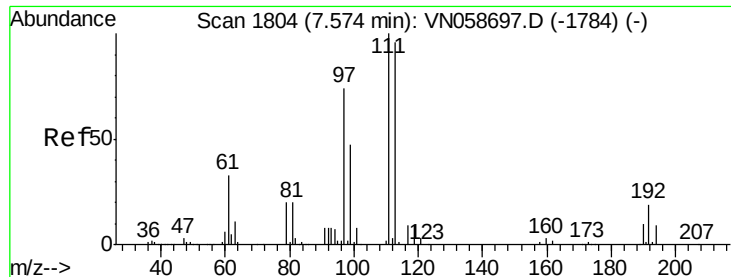
Tot Ion: 65 Resp: 270707
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion: 114 Resp: 594721
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.295 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

T-6-D3-(46)

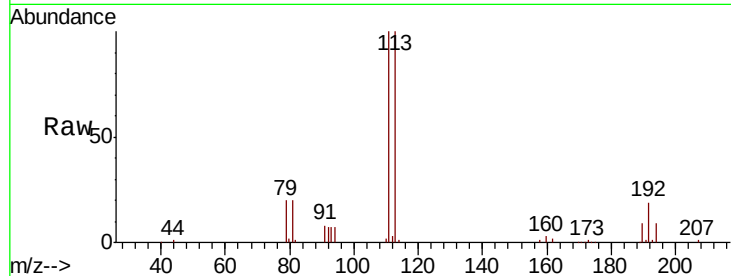
Tot Ion:113 Resp: 195777

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

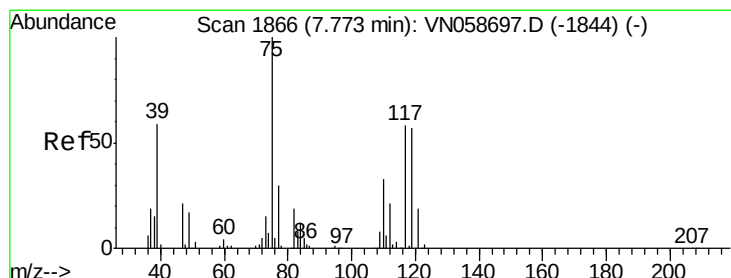
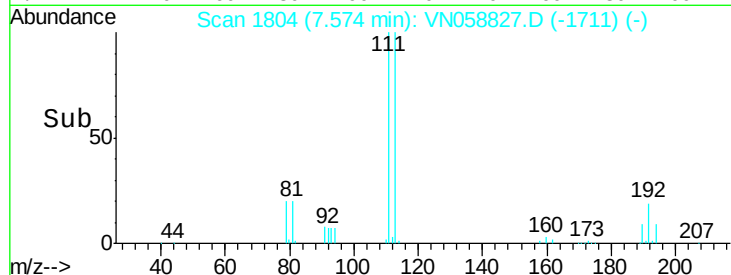
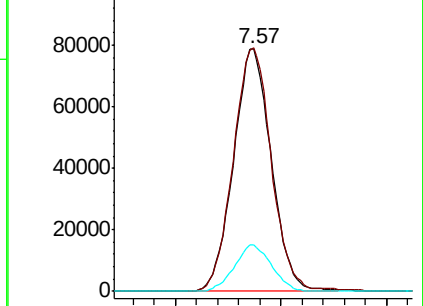
192 18.8 15.0 22.6



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: 5.163 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

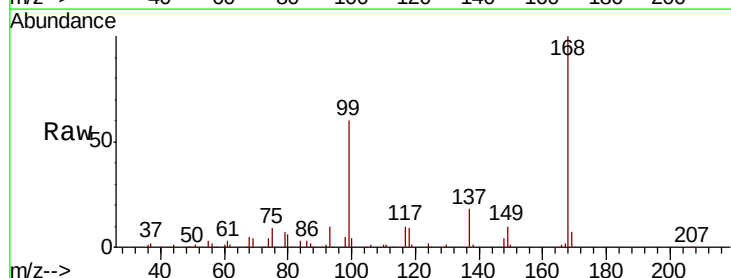
Tgt Ion: 75 Resp: 31044

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

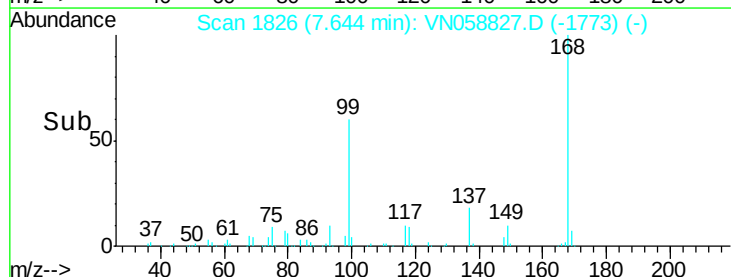
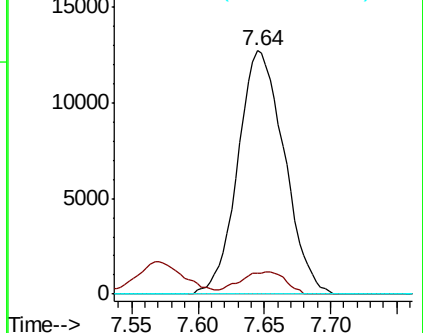
77 0.0 24.6 37.0#

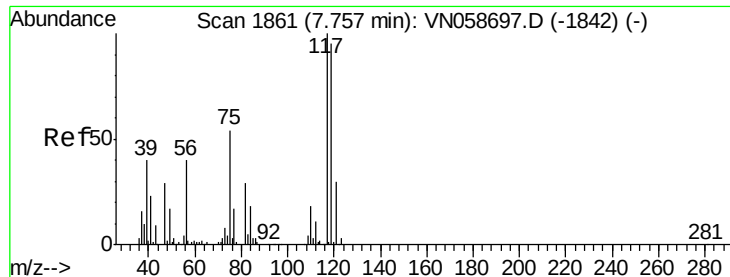


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

T-6-D3-(46)

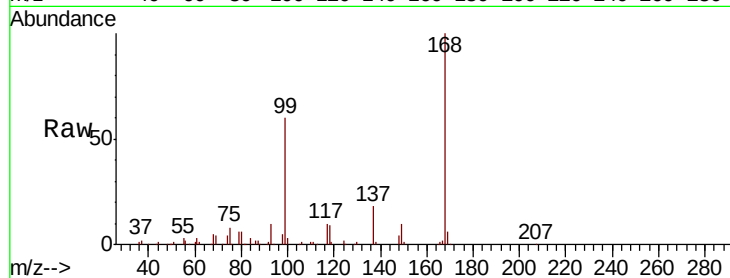
Tot Ion:117 Resp: 37175

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

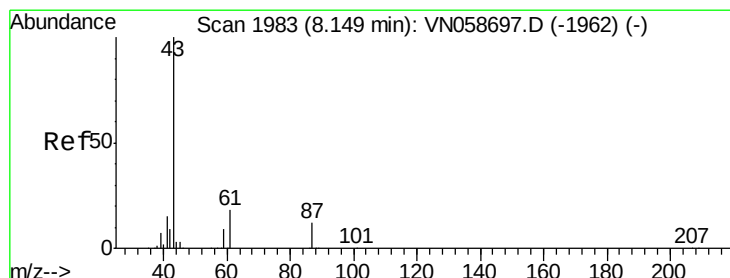
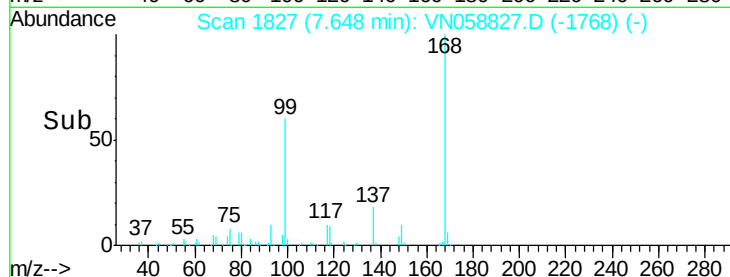
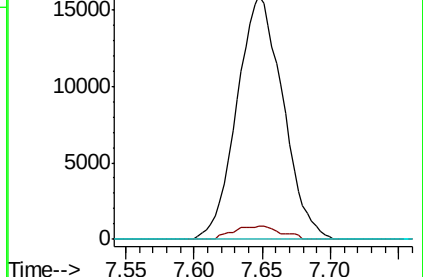
121 0.0 23.9 35.9#



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: 9.958 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

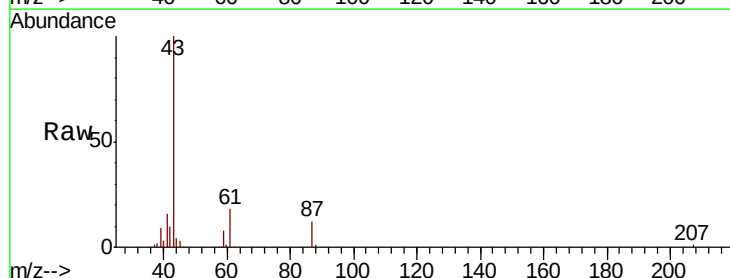
Tgt Ion: 43 Resp: 103163

Ion Ratio Lower Upper

43 100

61 18.4 20.3 30.5#

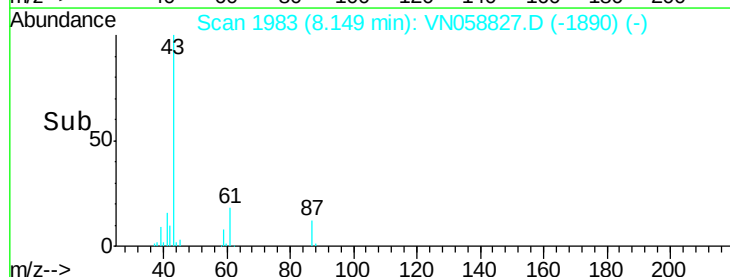
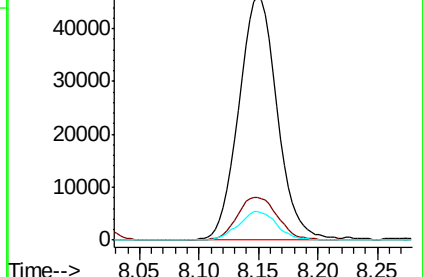
87 11.7 9.8 14.6

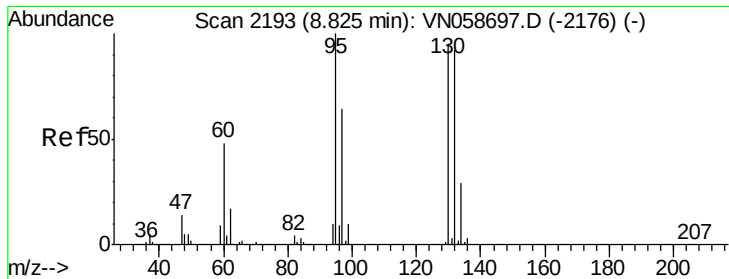


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 0.297 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

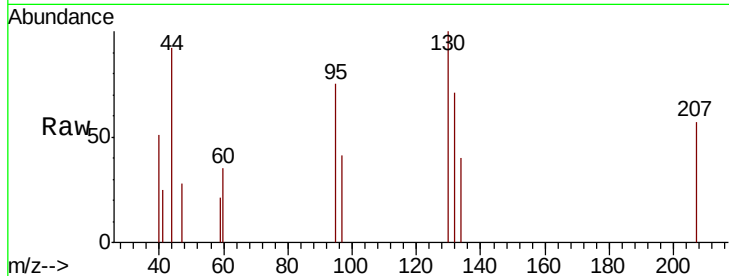
T-6-D3-(46)

Tot Ion:130 Resp: 1272

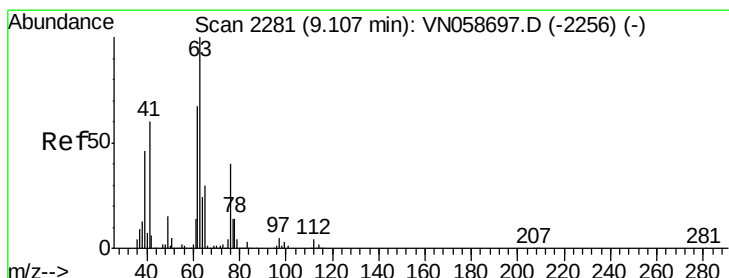
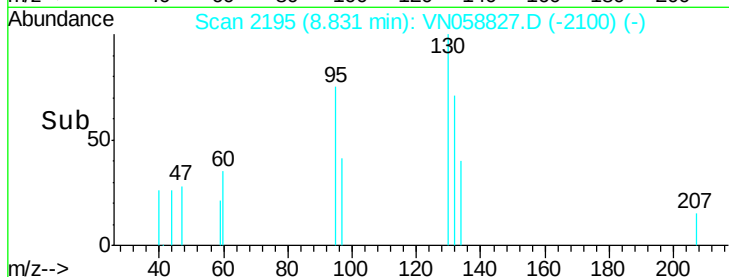
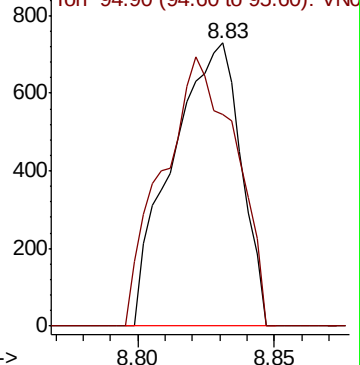
Ion Ratio Lower Upper

130 100

95 74.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058827.D (-2190) (-)



#45

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058827.D

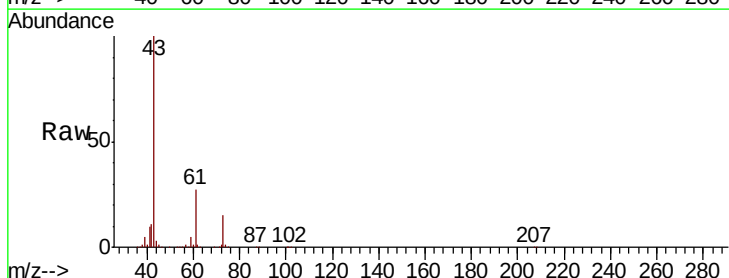
Acq: 17 Oct 2019 15:08

Tgt Ion: 63 Resp: 2283

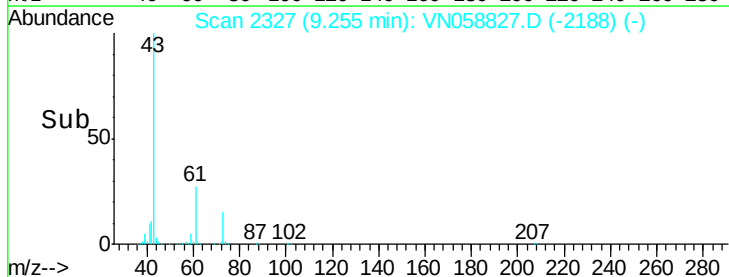
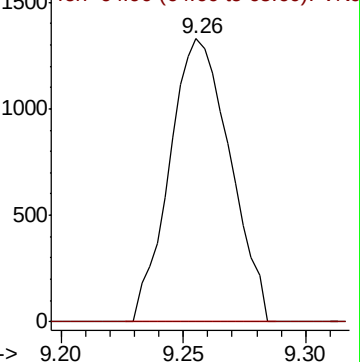
Ion Ratio Lower Upper

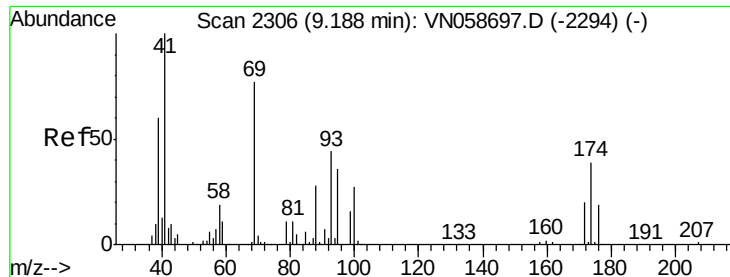
63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN058827.D (-2188) (-)

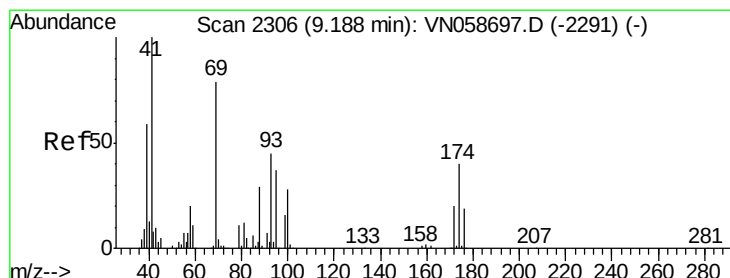
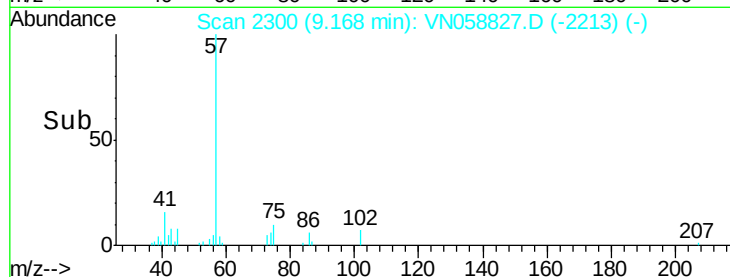
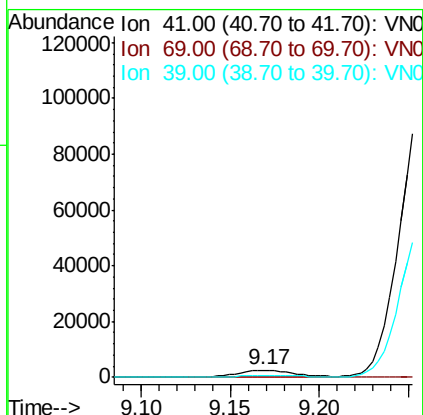
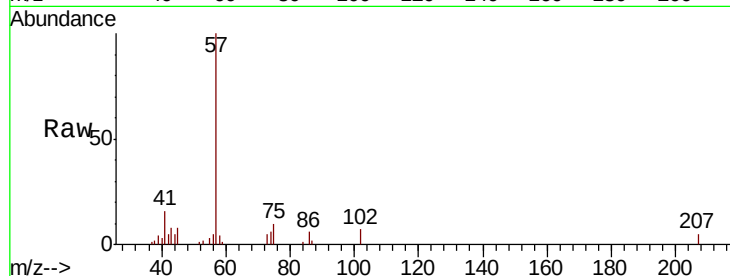




#48
Methvl methacrylate
Concen: 1.221 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

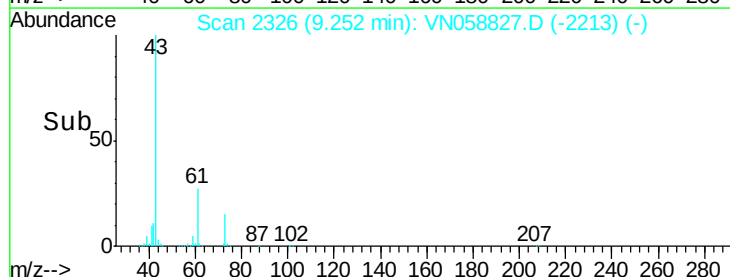
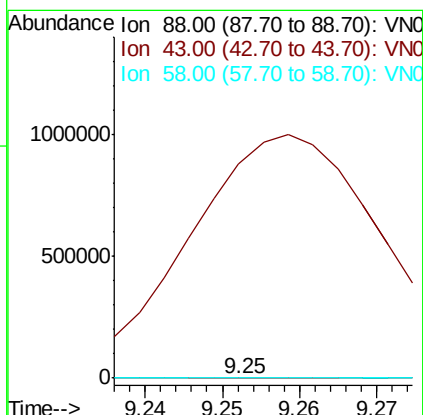
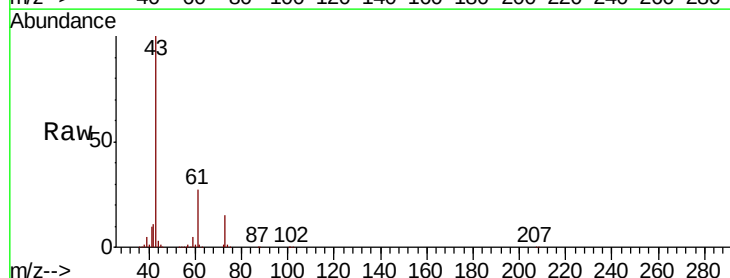
Instrument :
MSVOA_N
ClientSampled :
T-6-D3-(46)

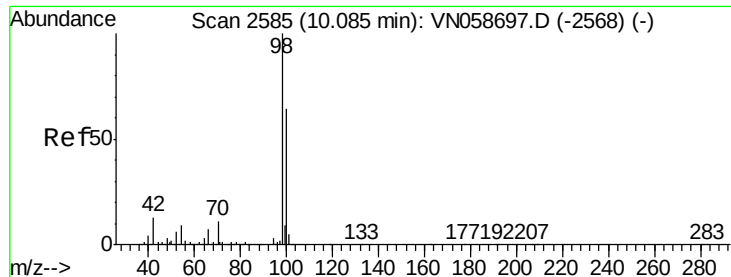
Tot Ion: 41 Resp: 5736
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 1.225 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.06 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 2057436.0 28.6 43.0#
58 9529.2 57.2 85.8#

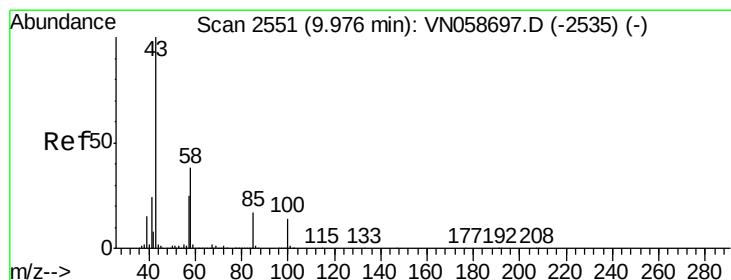
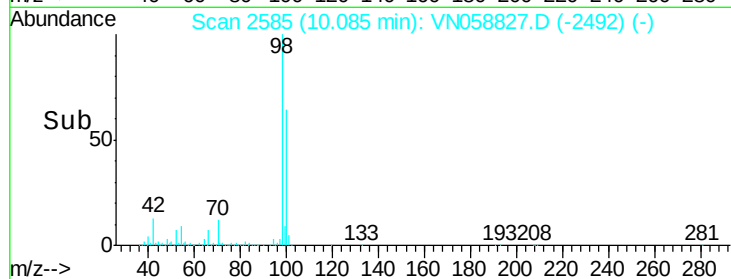
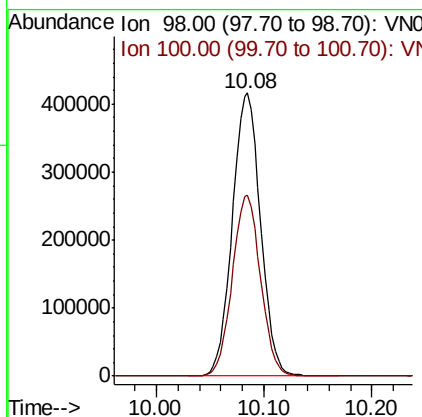
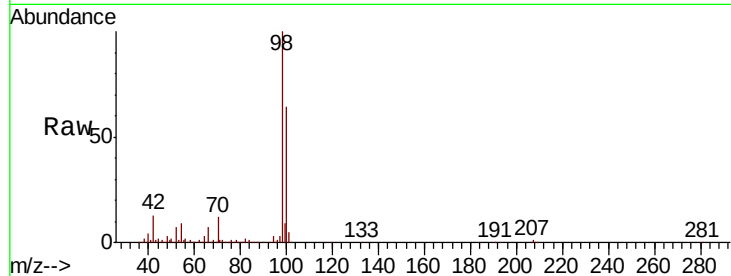




#50
Toluene-d8
Concen: 51.407 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

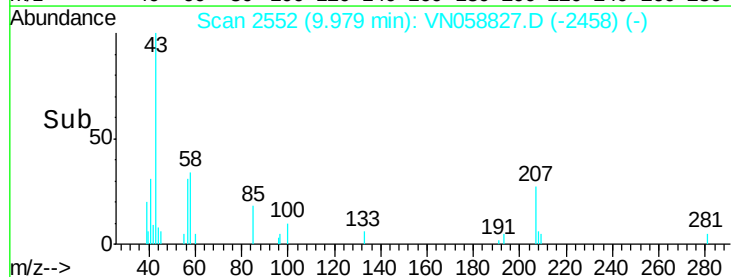
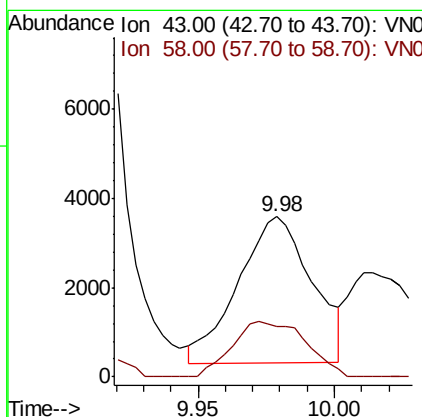
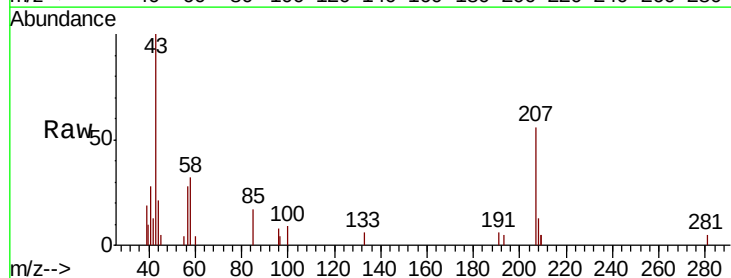
Instrument :
MSVOA_N
ClientSampled :
T-6-D3-(46)

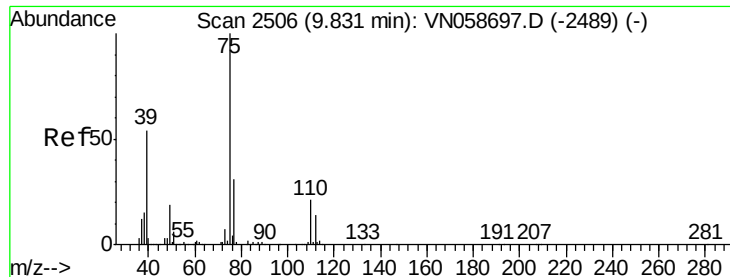
Tot Ion: 98 Resp: 755155
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058827.D
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 6169
Ion Ratio Lower Upper
43 100
58 37.8 30.3 45.5





#54

cis-1,3-Dichloropropene

Concen: 5.472 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

T-6-D3-(46)

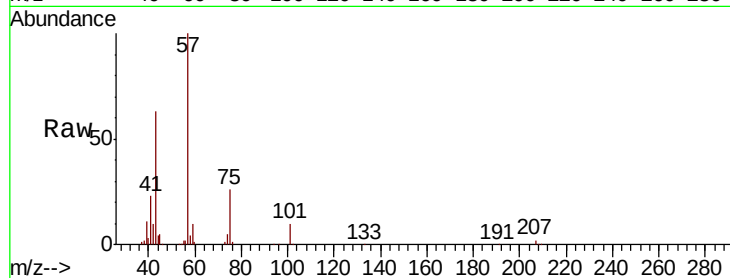
Tot Ion: 75 Resp: 39775

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

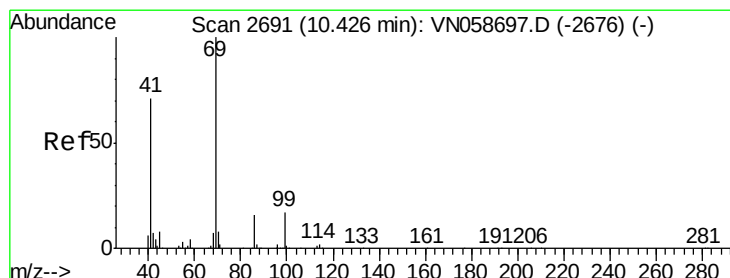
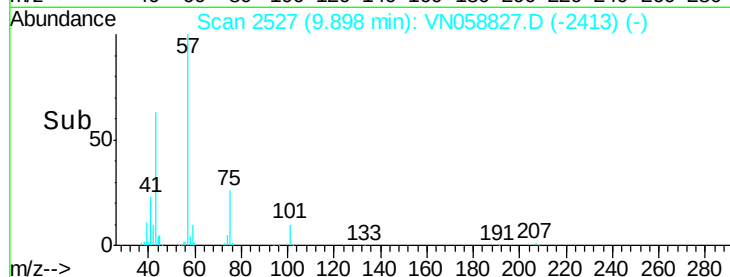
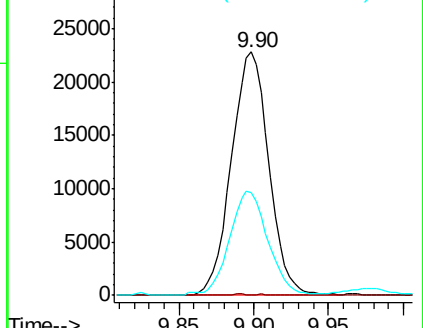
39 41.3 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.321 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

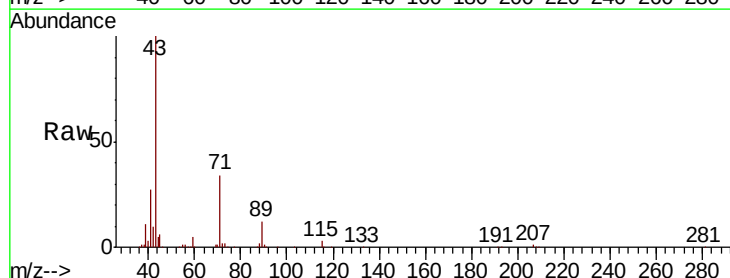
Tgt Ion: 69 Resp: 2027

Ion Ratio Lower Upper

69 100

41 4716.5 56.8 85.2#

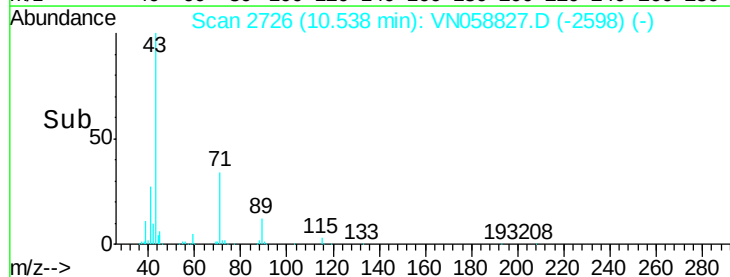
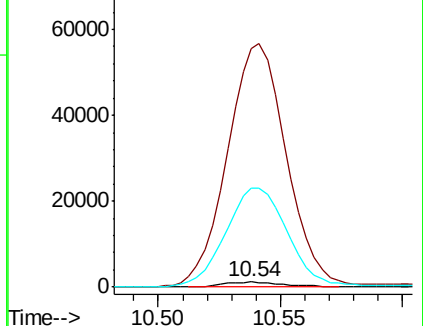
39 2028.4 32.5 48.7#

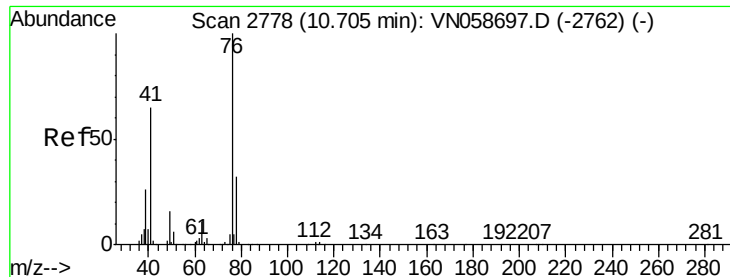


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.981 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

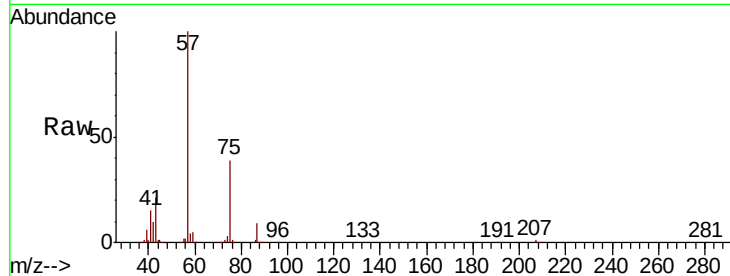
T-6-D3-(46)

Tot Ion: 76 Resp: 7226

Ion Ratio Lower Upper

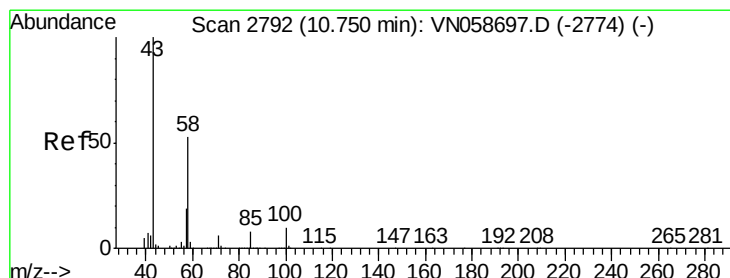
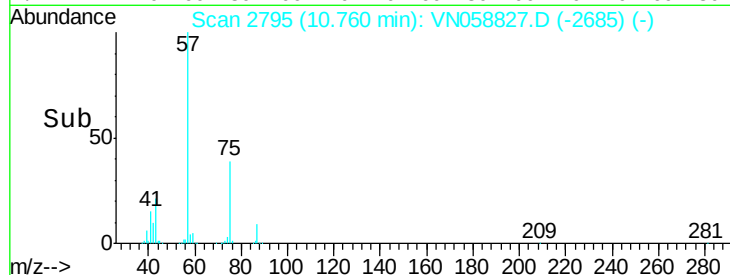
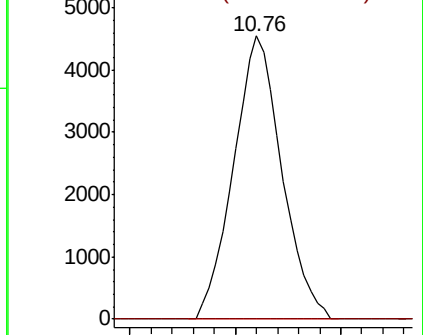
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 24.581 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058827.D

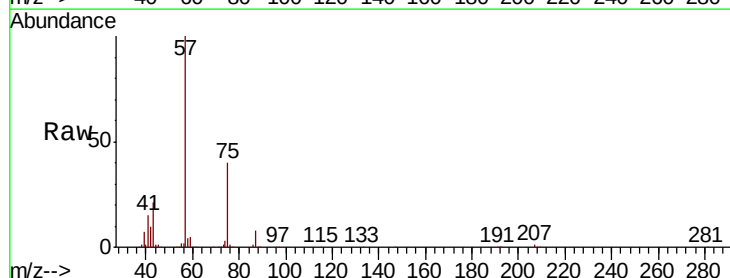
Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 110523

Ion Ratio Lower Upper

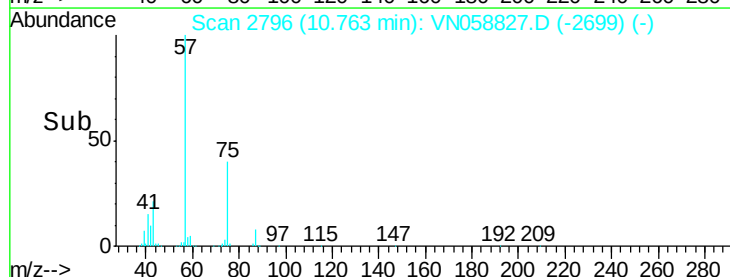
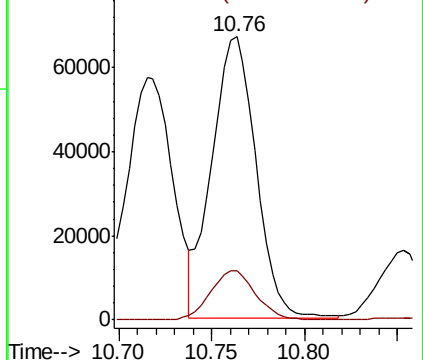
43 100

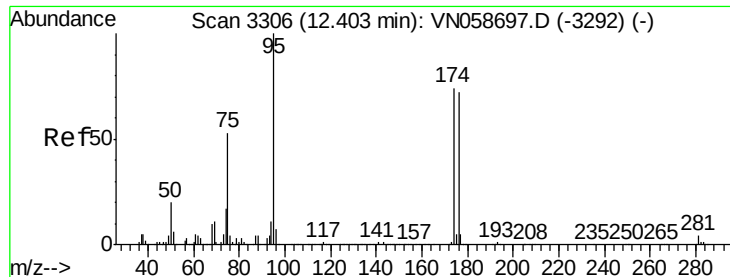
58 17.9 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 43.701 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

T-6-D3-(46)

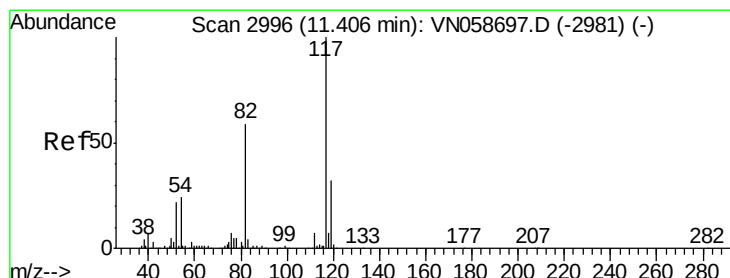
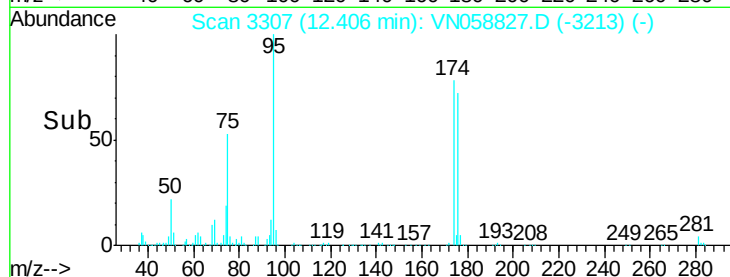
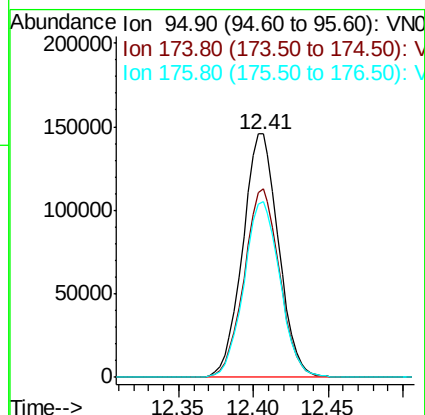
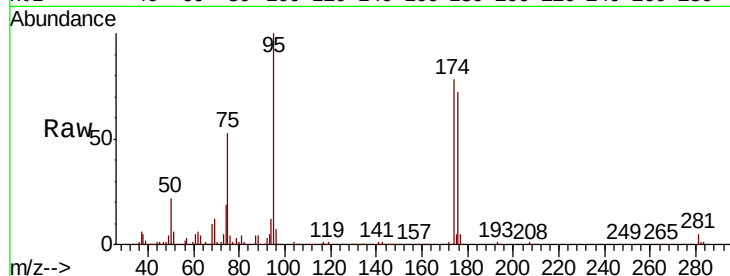
Tot Ion: 95 Resp: 242997

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

176 72.7 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: VN058827.D

Acq: 17 Oct 2019 15:08

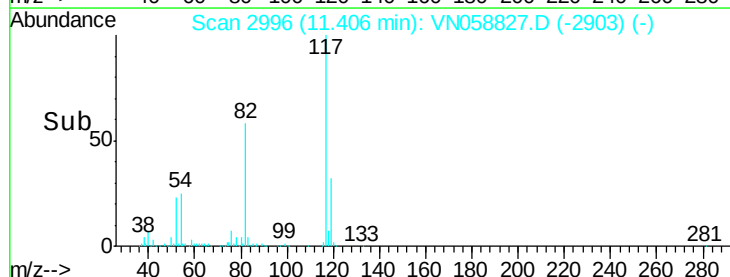
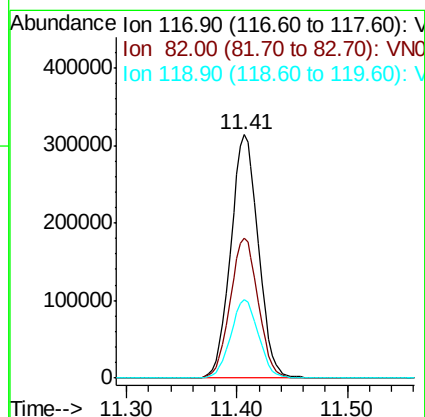
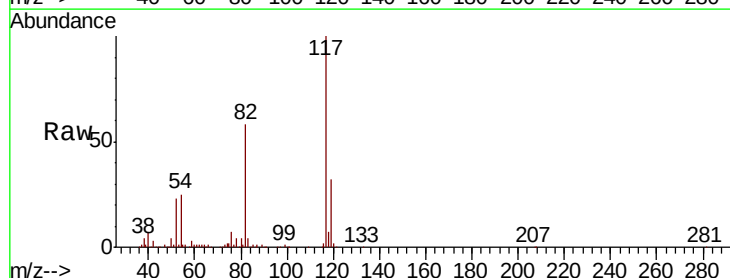
Tgt Ion: 117 Resp: 543718

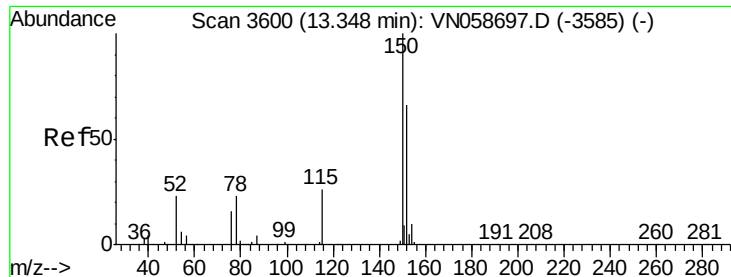
Ion Ratio Lower Upper

117 100

82 57.6 47.0 70.4

119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

T-6-D3-(46)

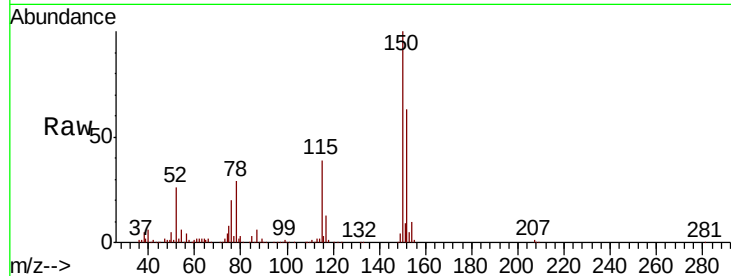
Tot Ion:152 Resp: 203734

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.2

150 157.5 0.0 345.4

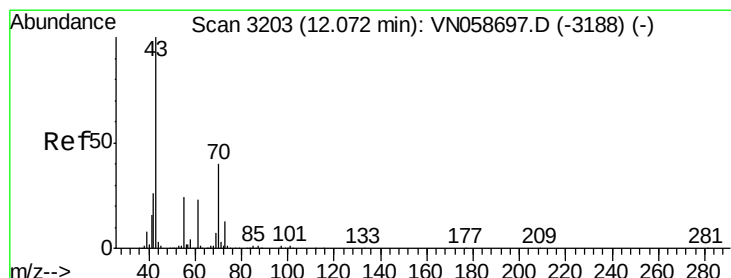
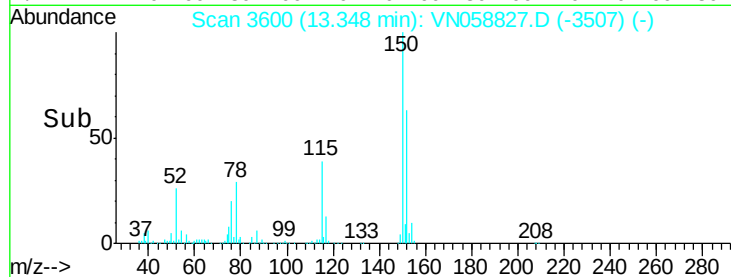
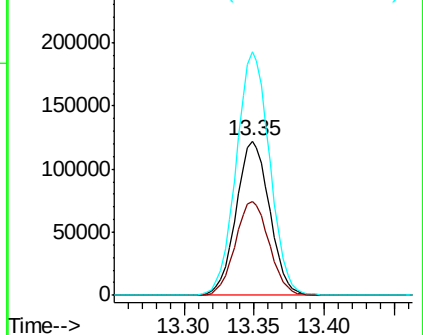


Abundance

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: 0.754 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058827.D

Acq: 17 Oct 2019 15:08

Tgt Ion: 43 Resp: 4998

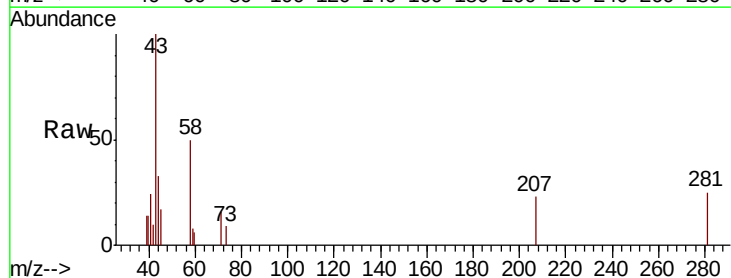
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 3.3 19.6 29.4#

61 0.0 18.6 28.0#



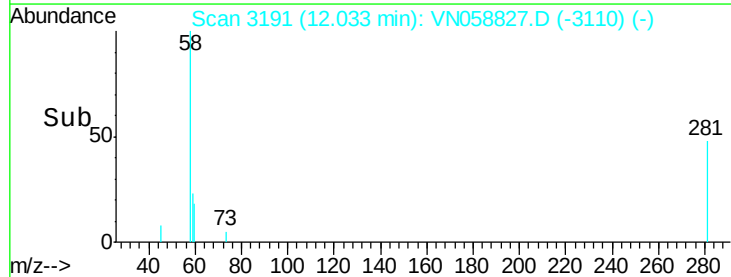
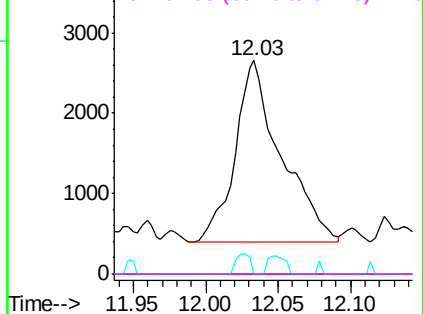
Abundance

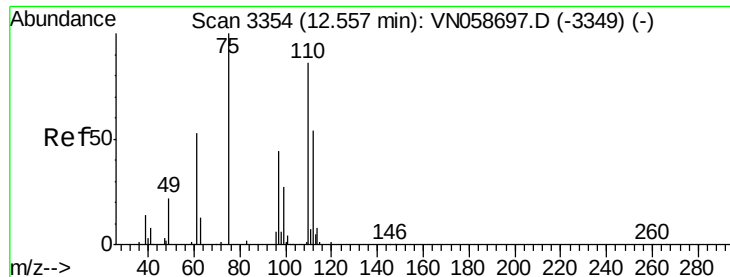
Ion 43.00 (42.70 to 43.70): V

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

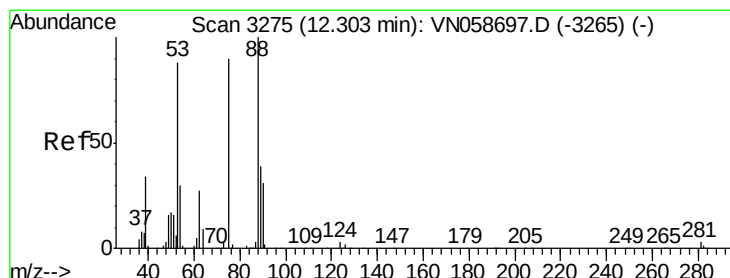
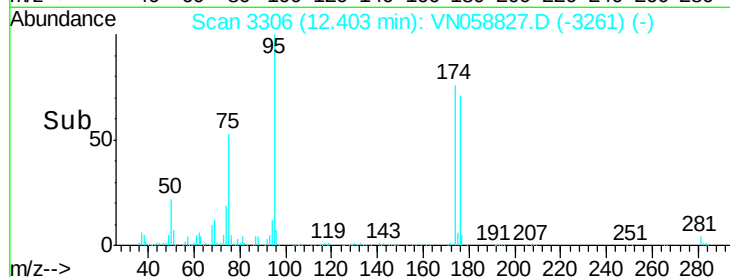
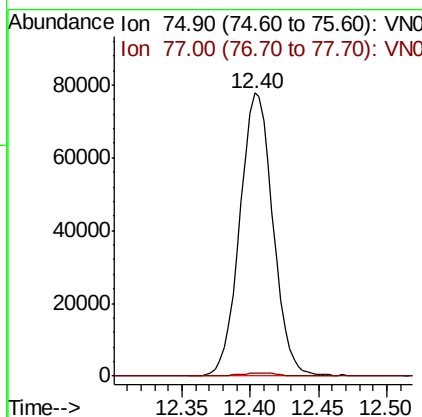
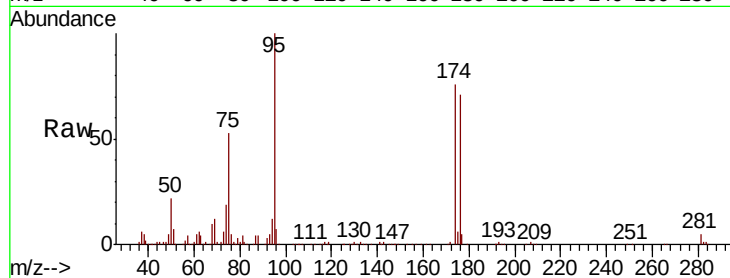




#76
 1,2,3-Trichloropropane
 Concen: 29.414 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Instrument :
 MSVOA_N
 ClientSampled :
 T-6-D3-(46)

Tot Ion: 75 Resp: 131463
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.790 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058827.D
 Acq: 17 Oct 2019 15:08

Tgt Ion: 75 Resp: 131463
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.0 34.9 52.3#

