

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058829.D
 Acq On : 17 Oct 2019 15:52
 Operator : JC/SP
 Sample : K5393-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:28:39 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	388914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	218243	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	282639	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	7.57	113	201780	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.08	98	789378	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.40	95	256215	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

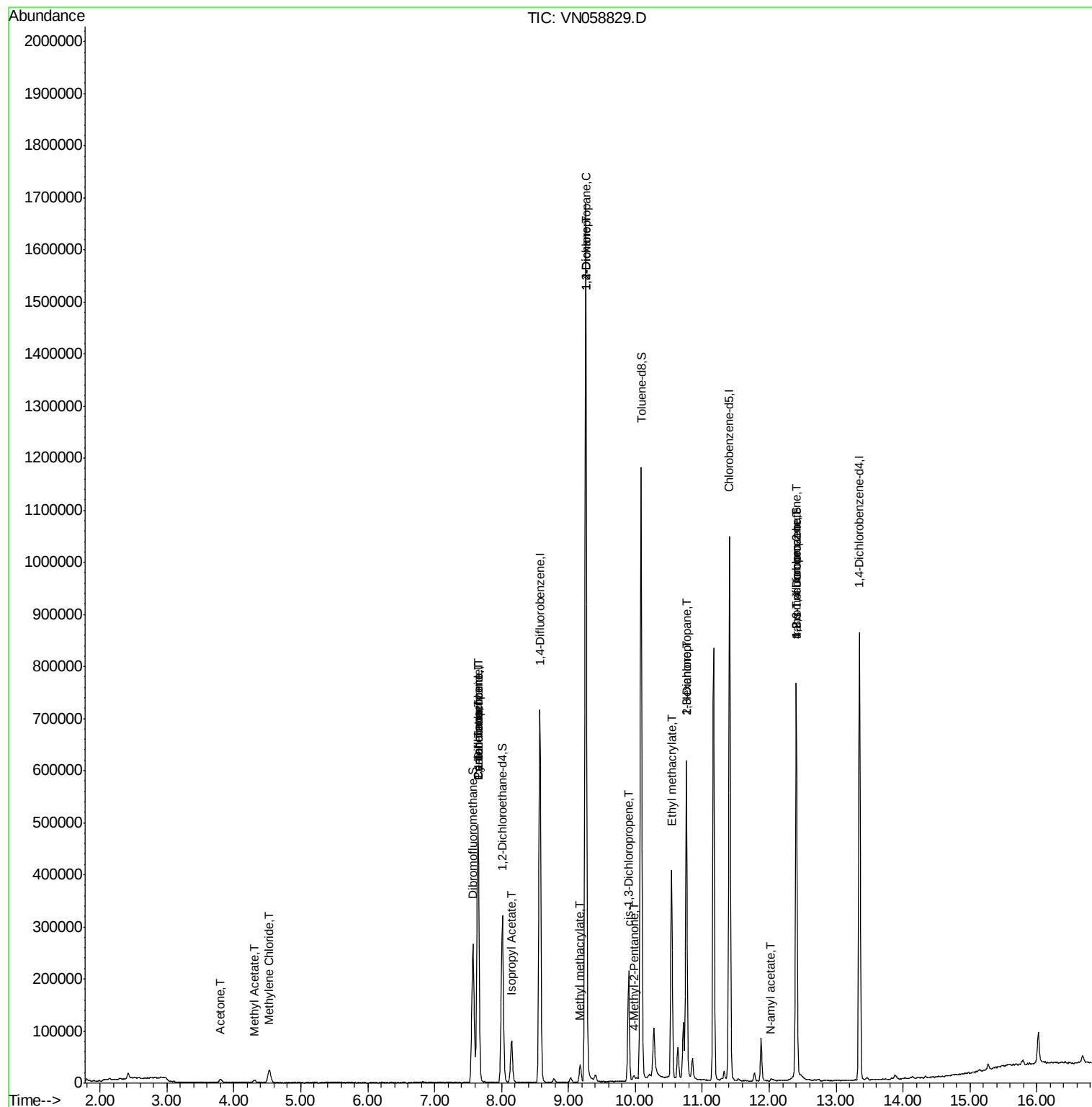
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	11252	4.992	ug/l	89
18) Methyl Acetate	4.30	43	3103	0.543	ug/l #	88
20) Methylene Chloride	4.54	84	17606	3.737	ug/l	93
31) Cyclohexane	7.65	56	9340	1.170	ug/l #	16
36) 1,1-Dichloropropene	7.65	75	31976	5.127	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39004	6.416	ug/l #	16
43) Isopropyl Acetate	8.15	43	95280	8.867	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1990	0.415	ug/l #	45
48) Methyl methacrylate	9.17	41	5464	1.122	ug/l #	14
49) 1,4-Dioxane	9.26	88	131	1.738	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8083	1.339	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	34741	4.608	ug/l #	68
56) Ethyl methacrylate	10.54	69	1676	0.256	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5957	0.780	ug/l #	42
59) 2-Hexanone	10.76	43	92285	19.787	ug/l #	53
74) N-amyl acetate	12.03	43	3401	0.479	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	140552	29.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140552	78.637	ug/l #	11

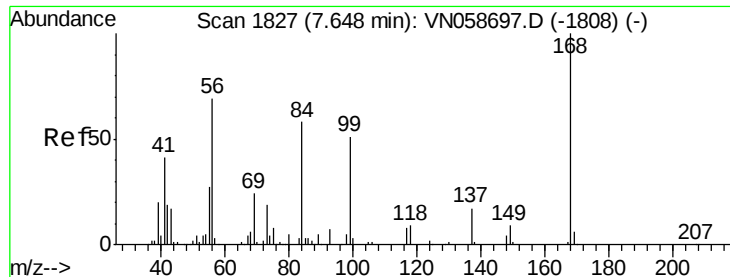
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 00:00:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

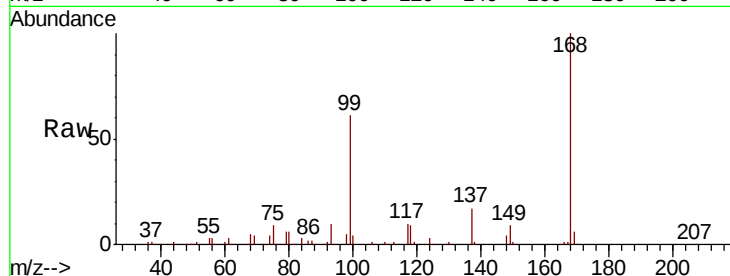
ClientSampled :

Tot Ion:168 Resp: 388914

Ion Ratio Lower Upper

168 100

99 61.0 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

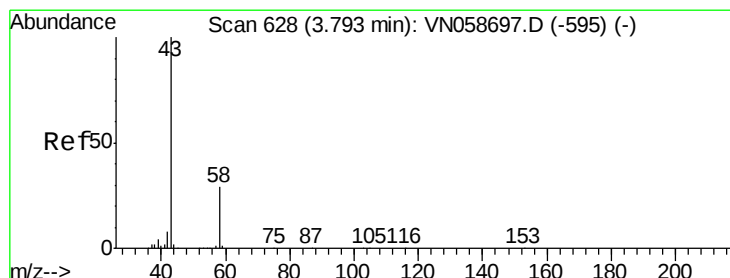
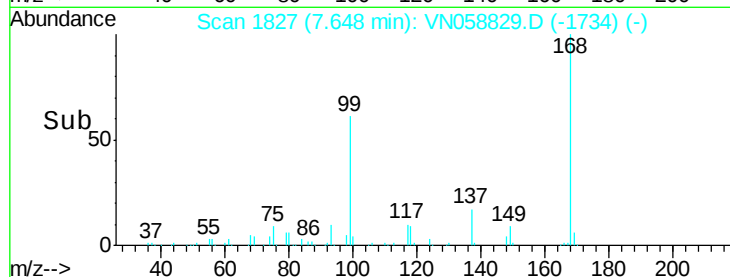
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.992 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058829.D

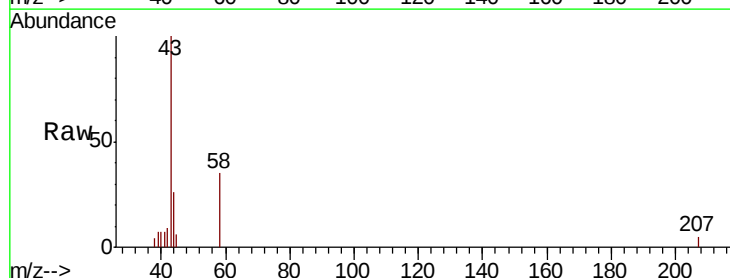
Acq: 17 Oct 2019 15:52

Tgt Ion: 43 Resp: 11252

Ion Ratio Lower Upper

43 100

58 34.8 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

4000

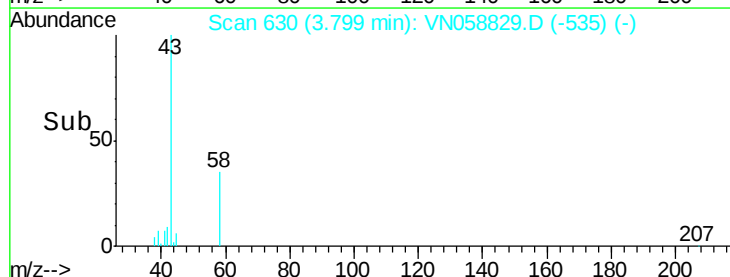
3000

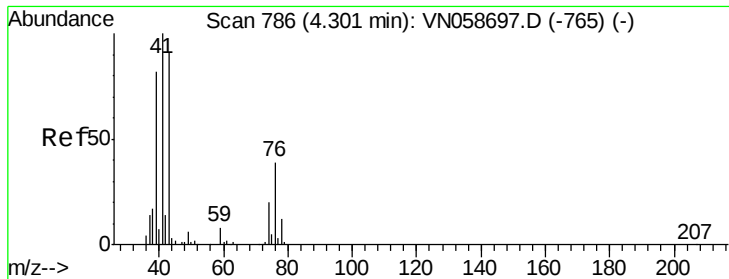
2000

1000

0

Time-->

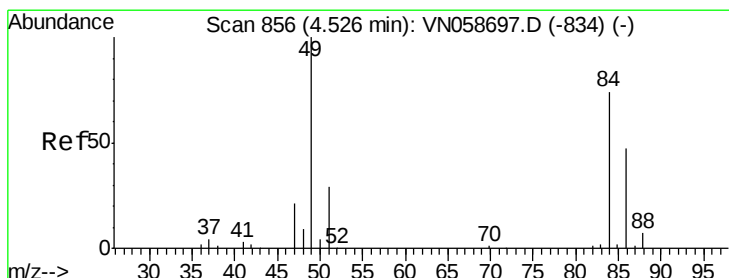
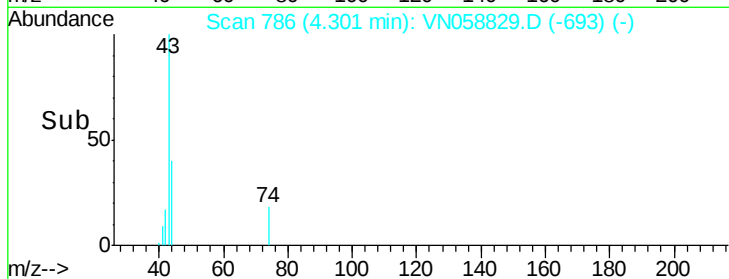
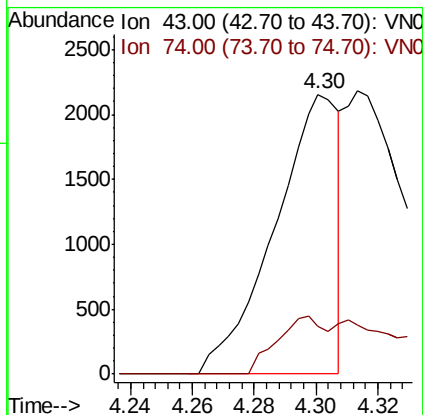
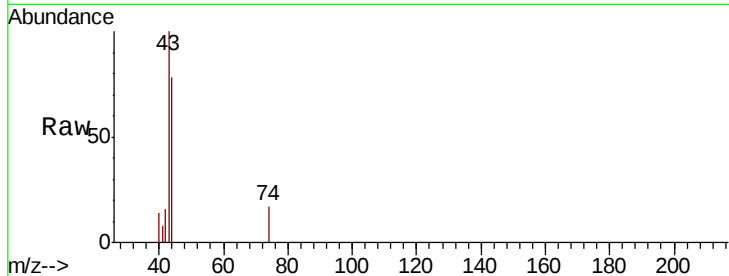




#18
Methvl Acetate
Concen: 0.543 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058829.D
Acq: 17 Oct 2019 15:52

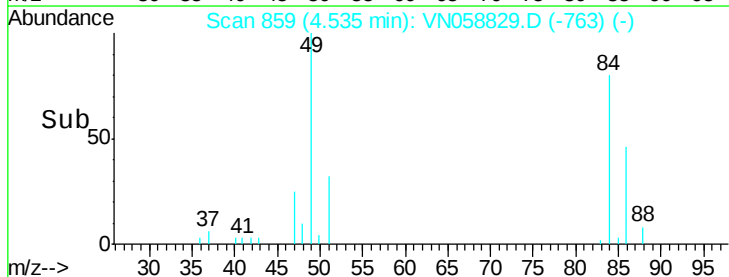
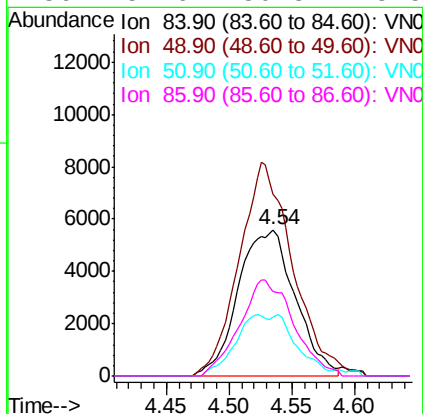
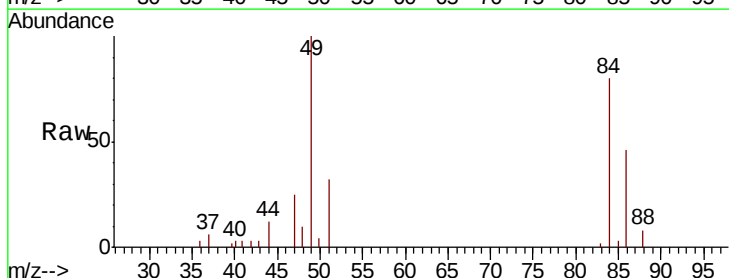
Instrument :
MSVOA_N
ClientSampleId :

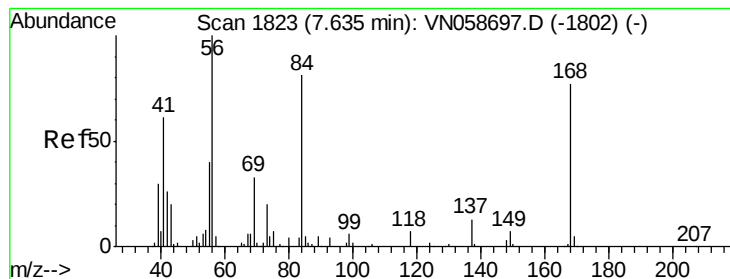
Tot Ion: 43 Resp: 3103
Ion Ratio Lower Upper
43 100
74 15.8 17.2 25.8#



#20
Methylene Chloride
Concen: 3.737 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058829.D
Acq: 17 Oct 2019 15:52

Tgt Ion: 84 Resp: 17606
Ion Ratio Lower Upper
84 100
49 124.5 107.6 161.4
51 40.1 31.4 47.0
86 57.6 50.3 75.5





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :

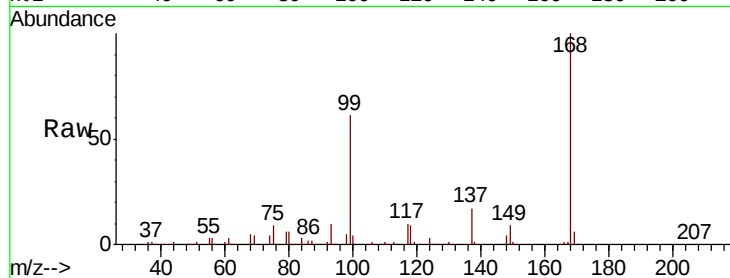
Tot Ion: 56 Resp: 9340

Ion Ratio Lower Upper

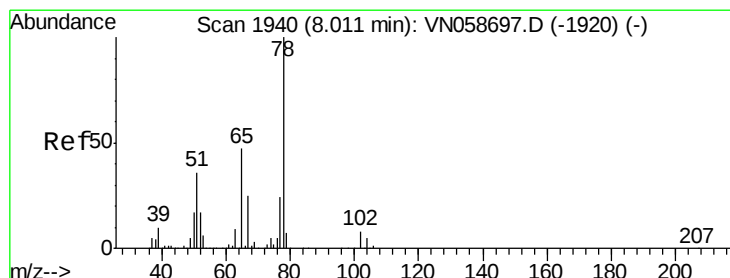
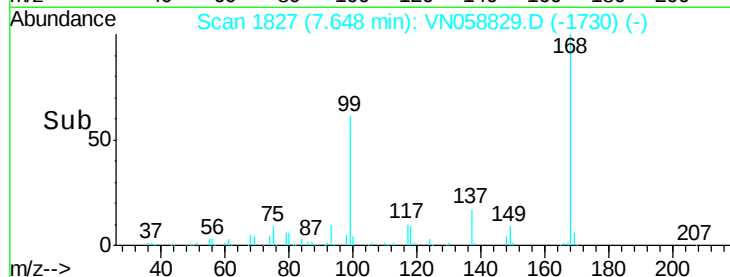
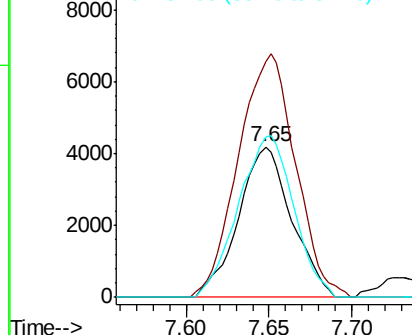
56 100

69 156.9 26.2 39.4#

84 106.6 64.9 97.3#



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



#33

1,2-Dichloroethane-d4

Concen: 51.911 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058829.D

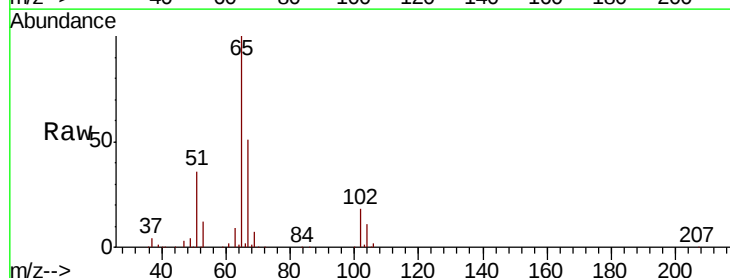
Acq: 17 Oct 2019 15:52

Tgt Ion: 65 Resp: 282639

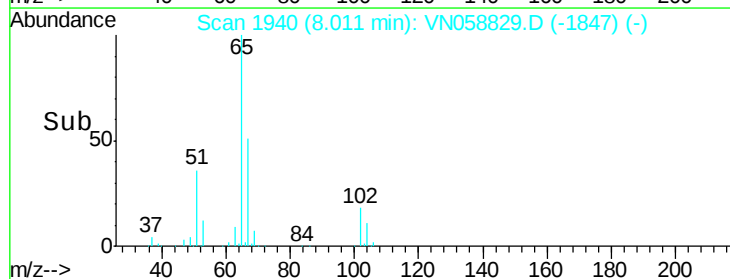
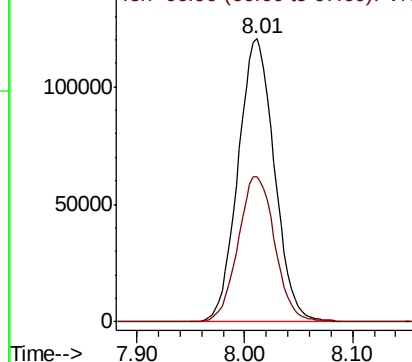
Ion Ratio Lower Upper

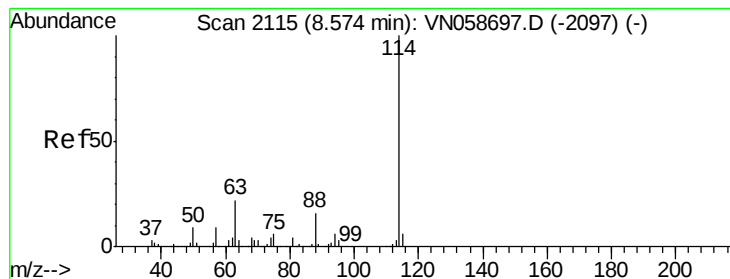
65 100

67 52.1 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

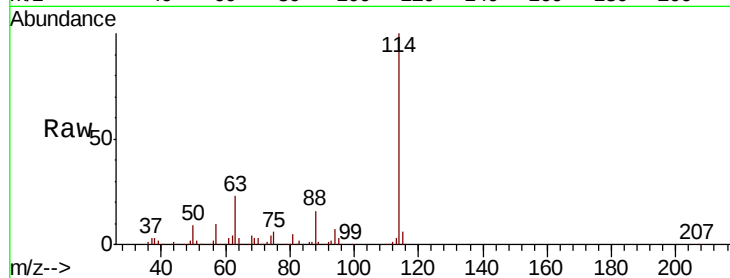
Tot Ion:114 Resp: 616894

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

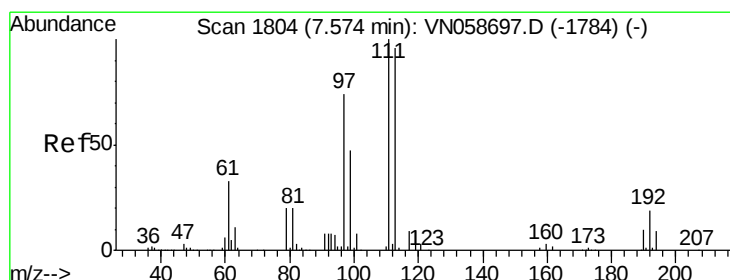
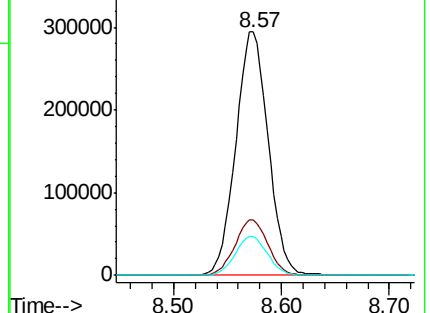
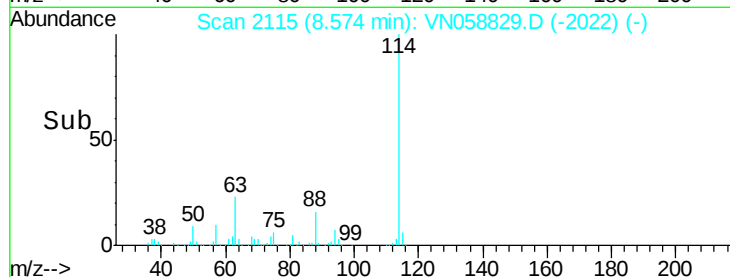
88 15.9 0.0 32.0



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: 52.955 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

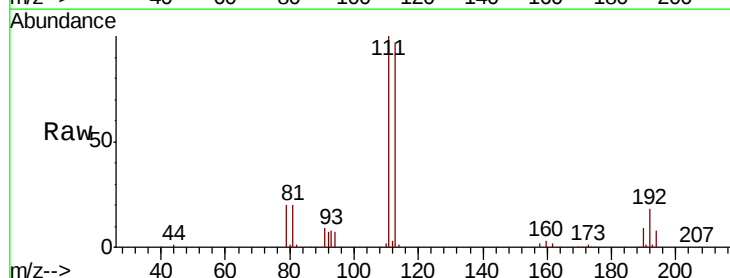
Tgt Ion:113 Resp: 201780

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

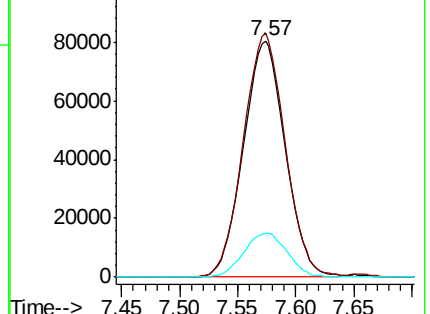
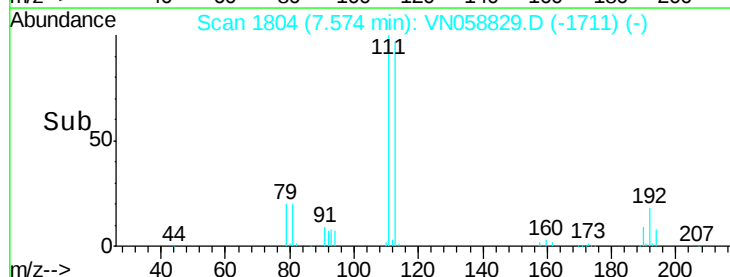
192 19.3 15.0 22.6

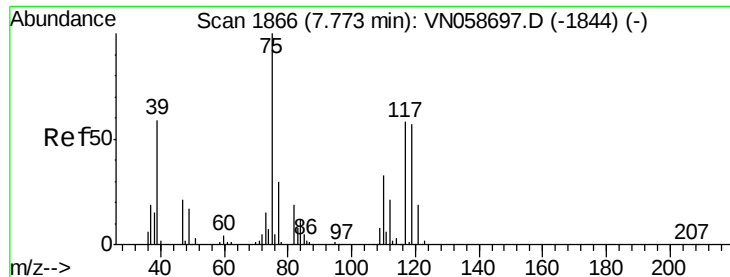


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 7.65 min Scan# 1827

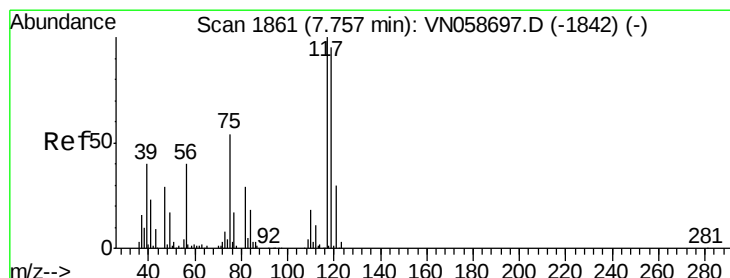
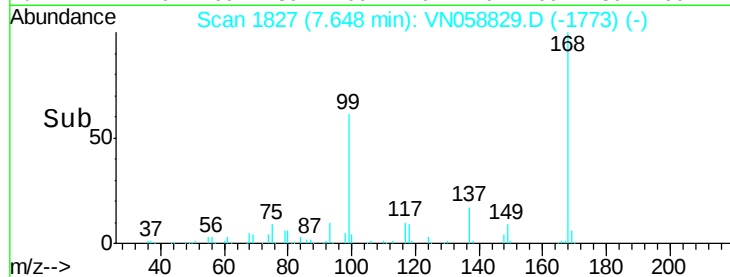
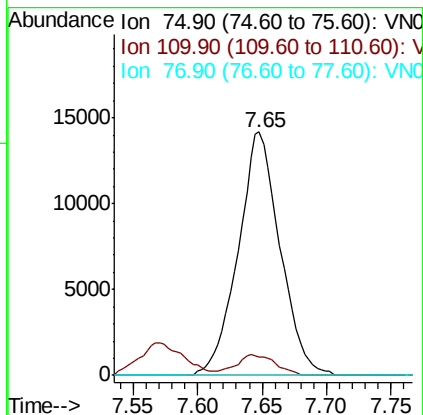
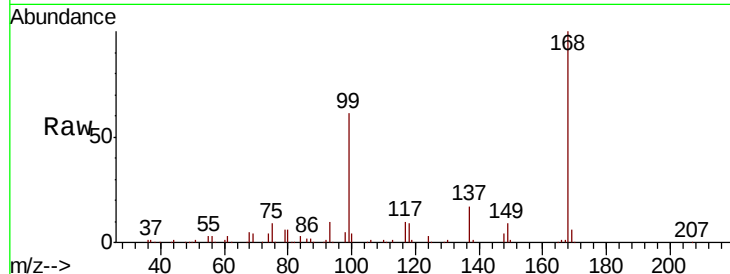
Delta R.T. -0.13 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	75	Resp:	31976
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.6	49.8#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 6.416 ug/l

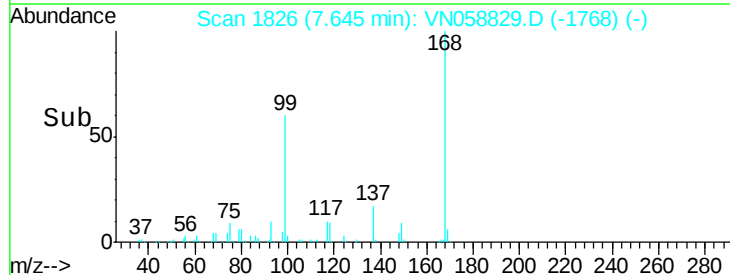
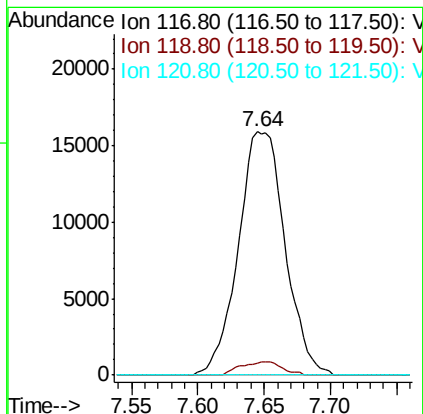
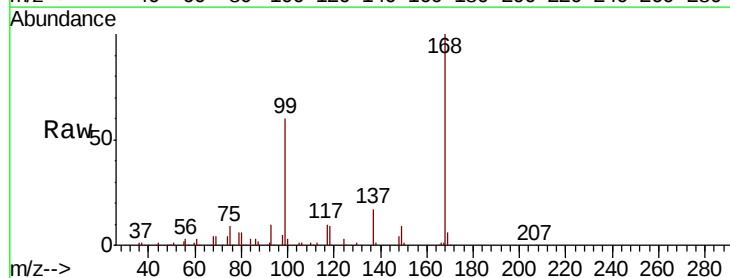
RT: 7.64 min Scan# 1826

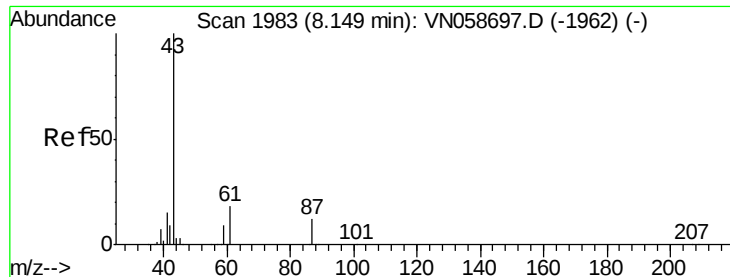
Delta R.T. -0.11 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Tgt Ion:	117	Resp:	39004
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.7	113.5#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 8.867 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058829.D

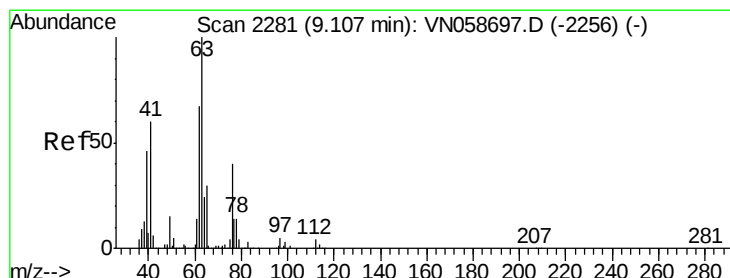
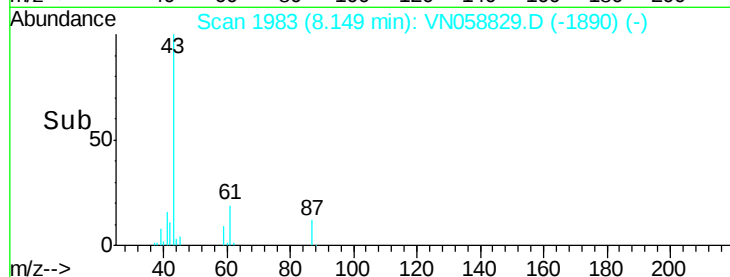
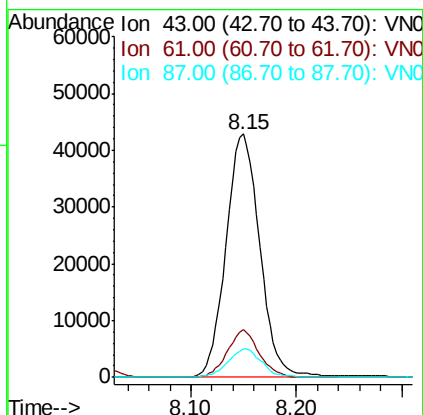
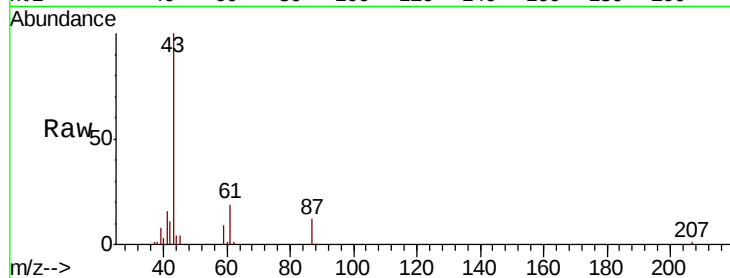
Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	95280
Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.3	30.5#
87	11.7	9.8	14.6



#45

1,2-Dichloropropane

Concen: 0.415 ug/l

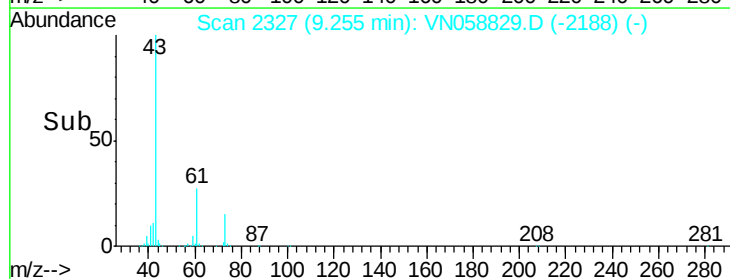
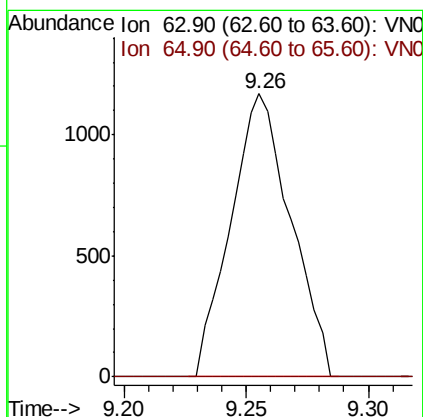
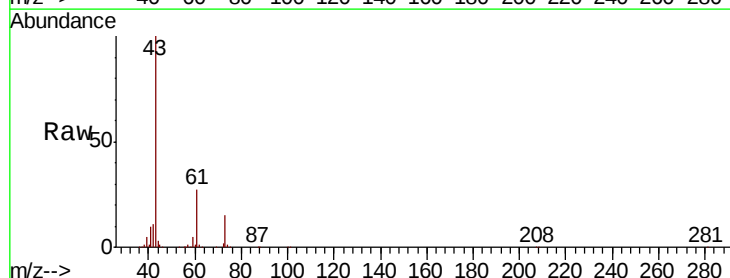
RT: 9.26 min Scan# 2327

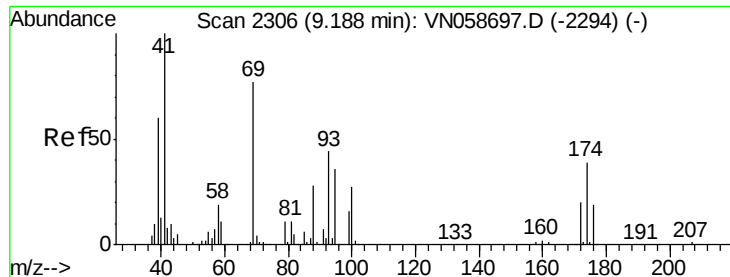
Delta R.T. 0.15 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Tgt Ion:	63	Resp:	1990
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.1	36.1#

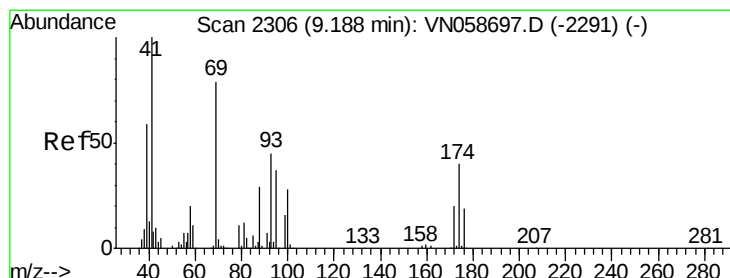
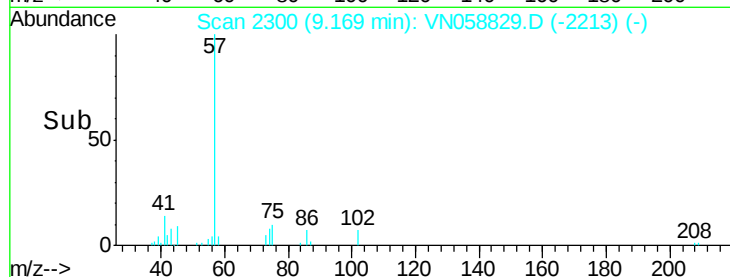
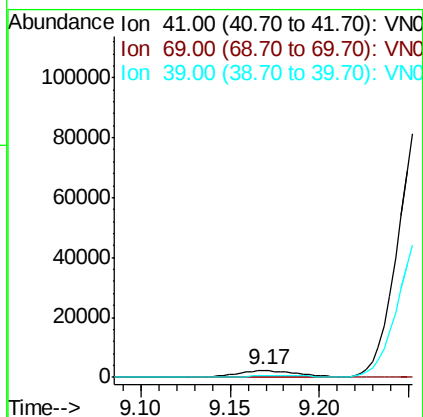
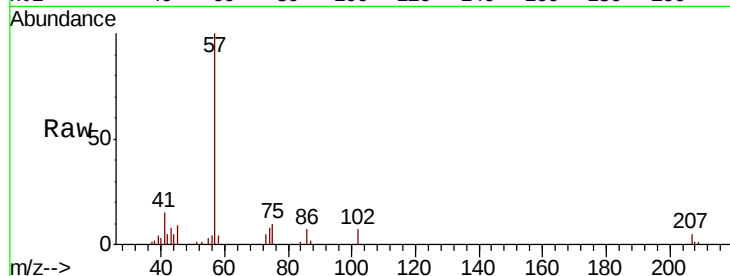




#48
Methvl methacrylate
Concen: 1.122 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058829.D
Acq: 17 Oct 2019 15:52

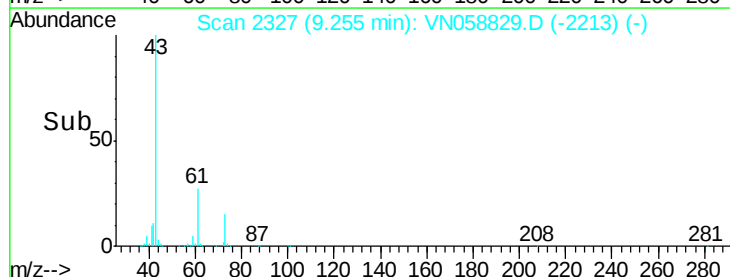
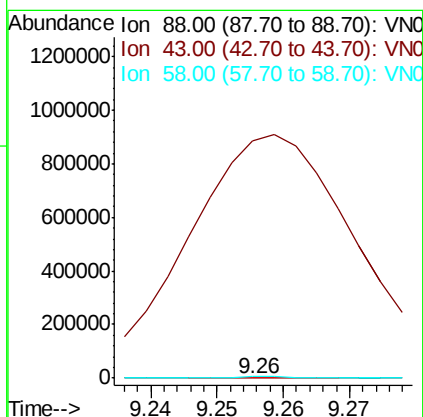
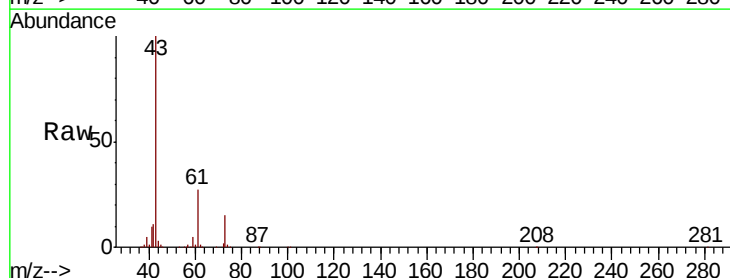
Instrument :
MSVOA_N
ClientSampled :

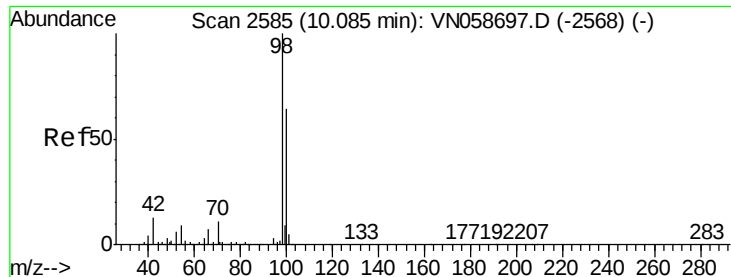
Tot Ion: 41 Resp: 5464
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 1.738 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN058829.D
Acq: 17 Oct 2019 15:52

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 1269109.2 28.6 43.0#
58 5890.1 57.2 85.8#





#50

Toluene-d8

Concen: 51.805 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

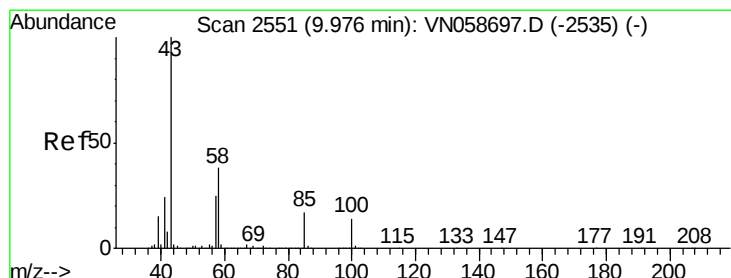
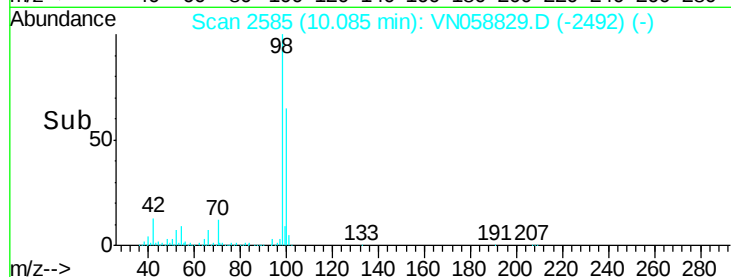
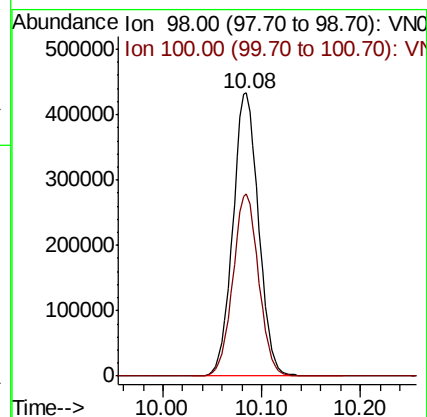
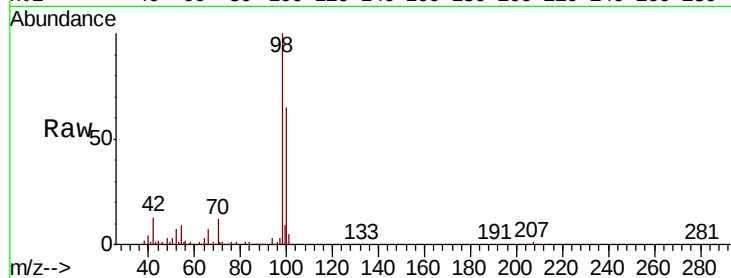
ClientSampleId :

Tot Ion: 98 Resp: 789378

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 1.339 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058829.D

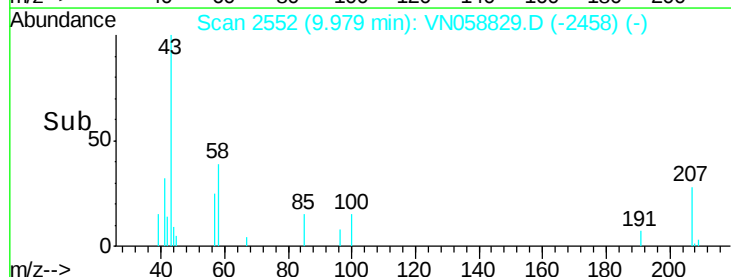
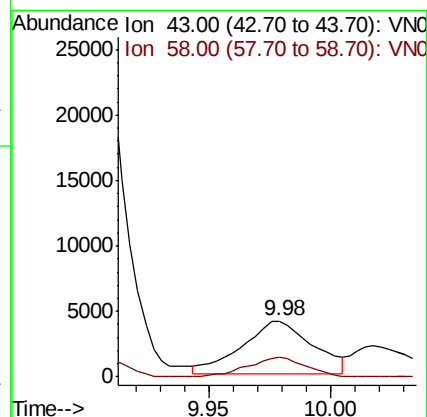
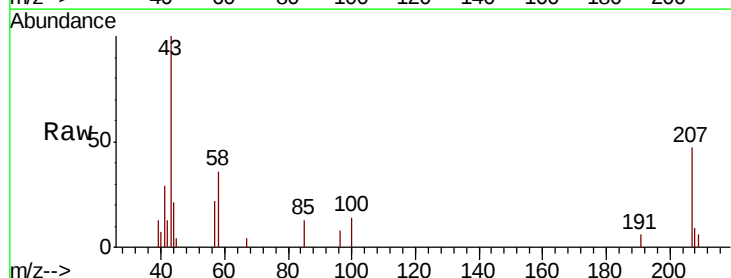
Acq: 17 Oct 2019 15:52

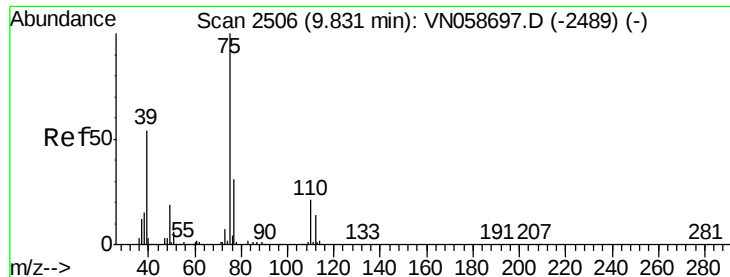
Tgt Ion: 43 Resp: 8083

Ion Ratio Lower Upper

43 100

58 30.7 30.3 45.5



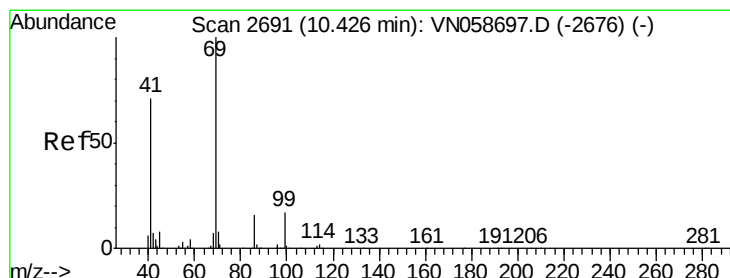
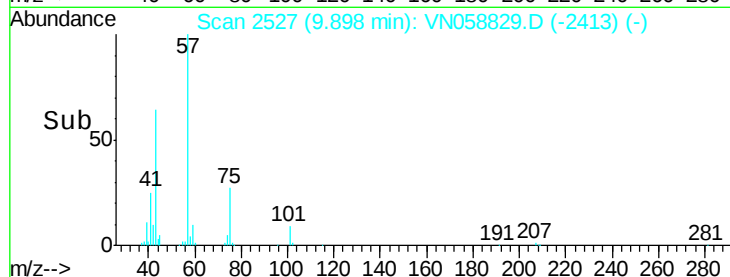
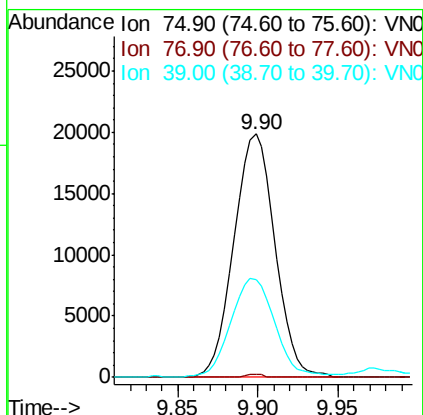
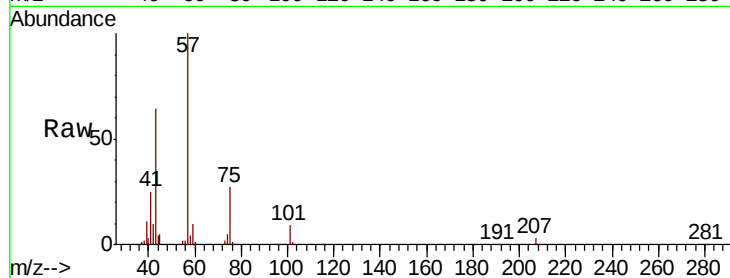


#54

cis-1,3-Dichloropropene
 Concen: 4.608 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058829.D
 Acq: 17 Oct 2019 15:52

Instrument :
 MSVOA_N
 ClientSampled :

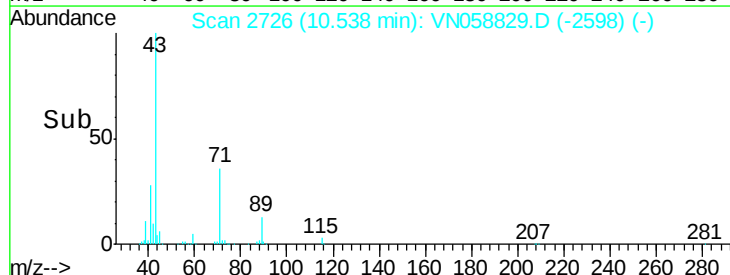
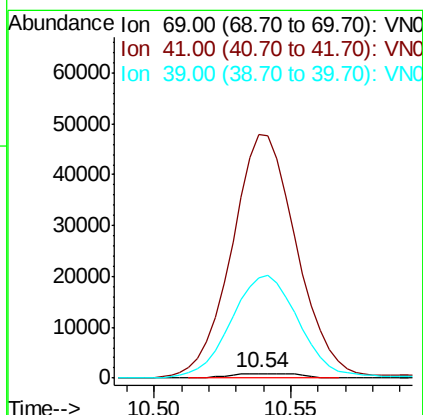
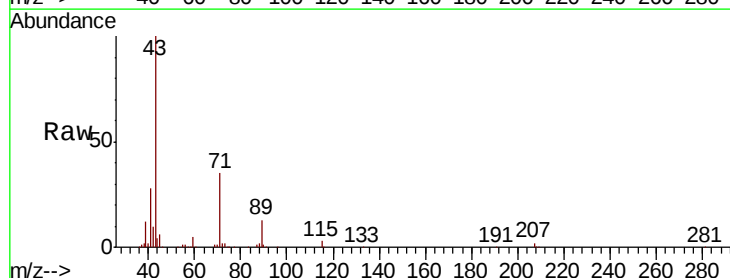
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.3	24.4	36.6#
39	39.5	43.1	64.7#

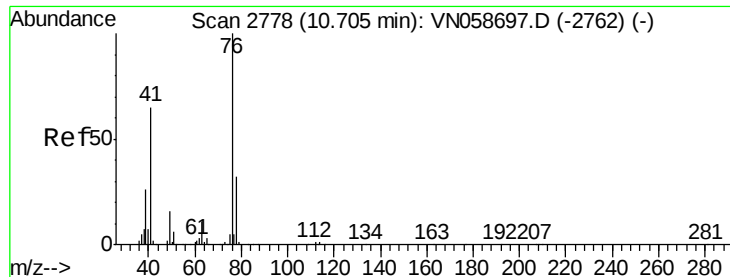


#56

Ethyl methacrylate
 Concen: 0.256 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.11 min
 Lab File: VN058829.D
 Acq: 17 Oct 2019 15:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4687.2	56.8	85.2#
39	2113.2	32.5	48.7#

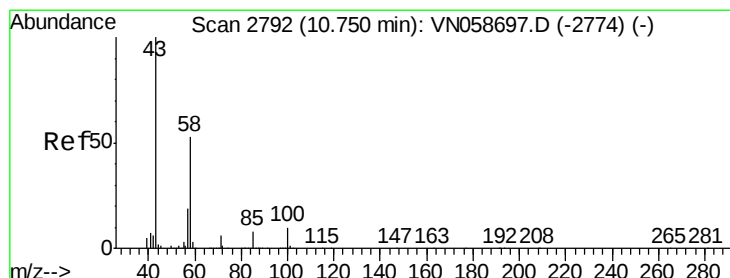
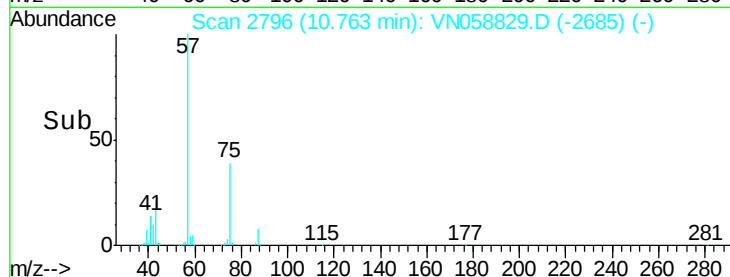
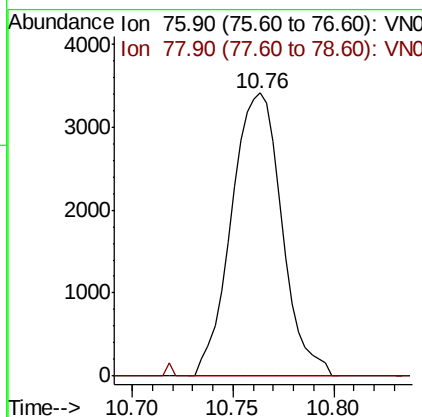
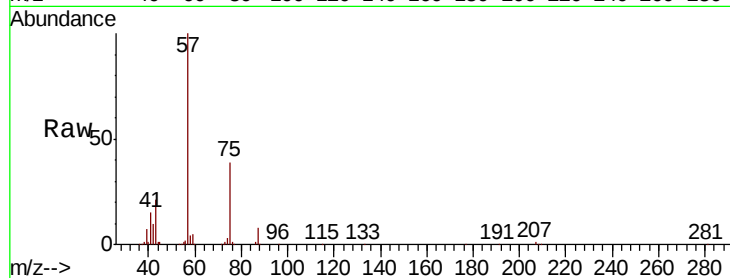




#57
 1,3-Dichloropropane
 Concen: 0.780 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN058829.D
 Acq: 17 Oct 2019 15:52

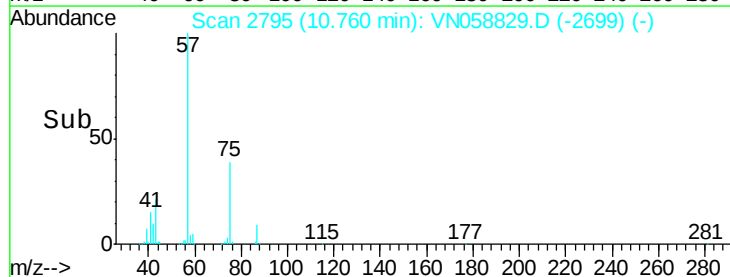
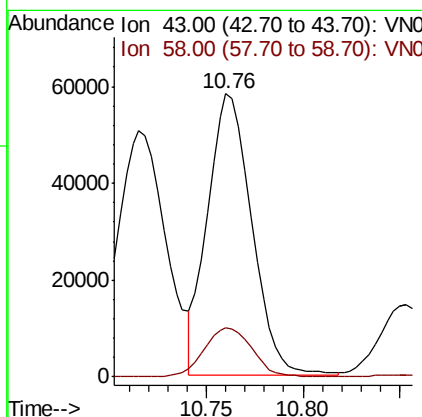
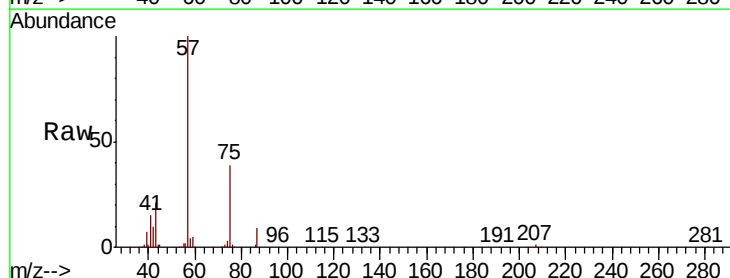
Instrument :
 MSVOA_N
 ClientSampleId :

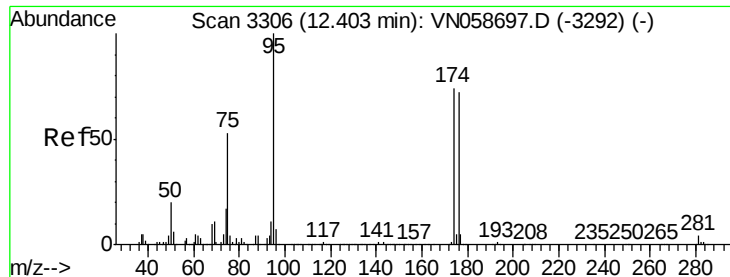
Tot Ion: 76 Resp: 5957
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 19.787 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN058829.D
 Acq: 17 Oct 2019 15:52

Tgt Ion: 43 Resp: 92285
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 44.422 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

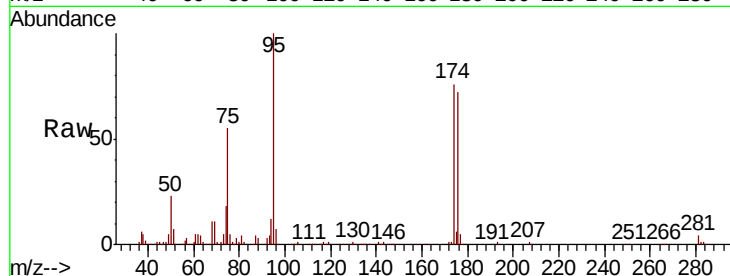
Tot Ion: 95 Resp: 256215

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

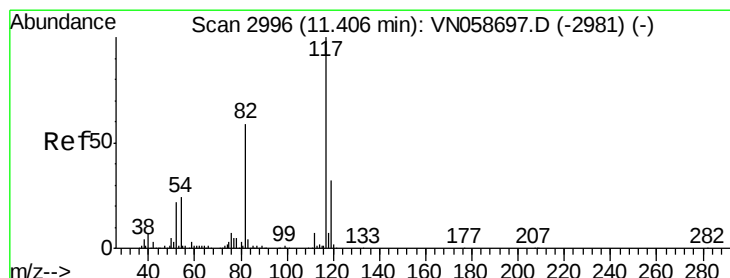
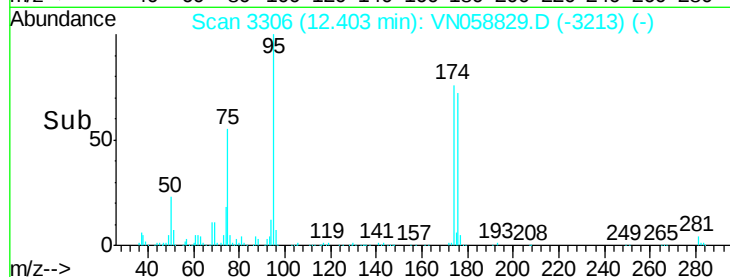
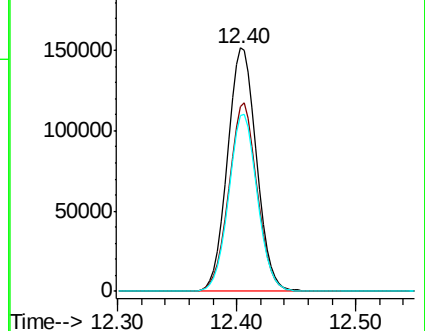
176 71.8 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

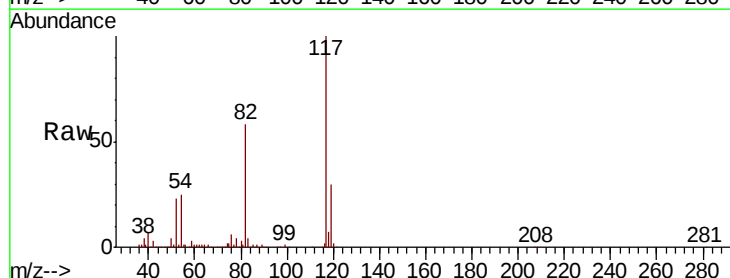
Tgt Ion: 117 Resp: 573486

Ion Ratio Lower Upper

117 100

82 57.9 47.0 70.4

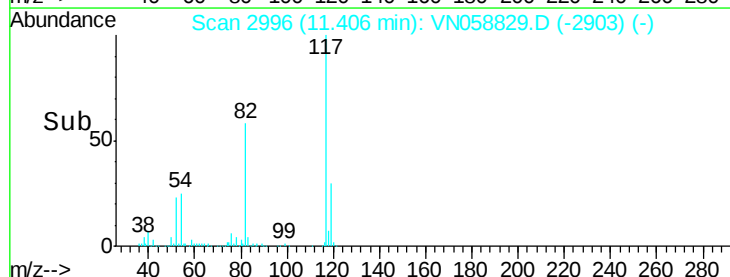
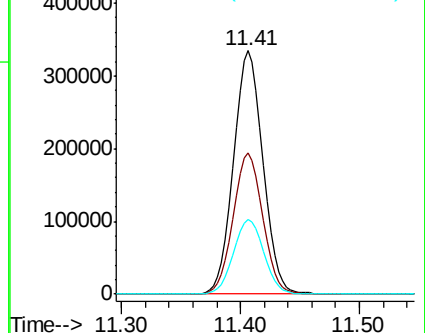
119 30.5 25.4 38.2

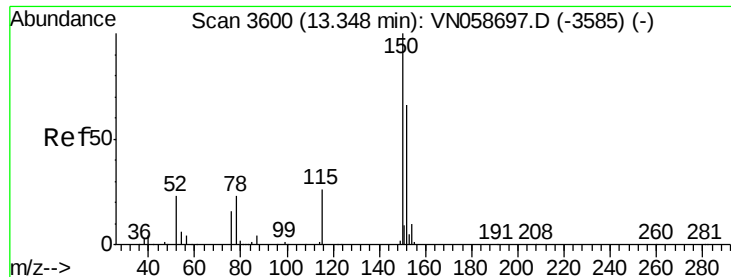


Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

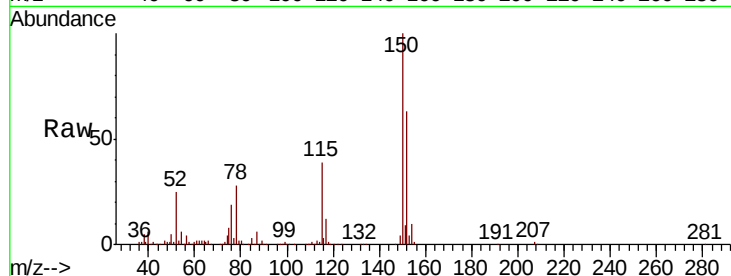
Tot Ion:152 Resp: 218243

Ion Ratio Lower Upper

152 100

115 62.3 30.4 91.2

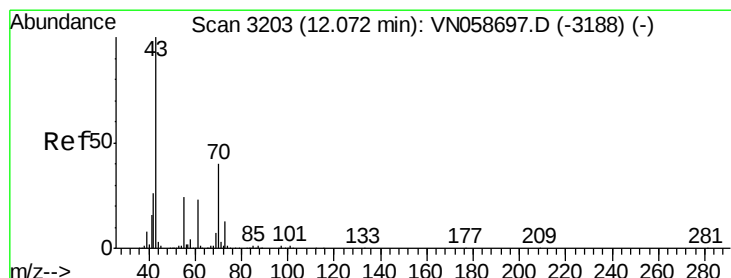
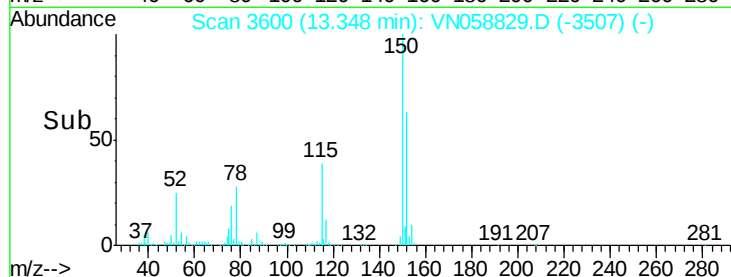
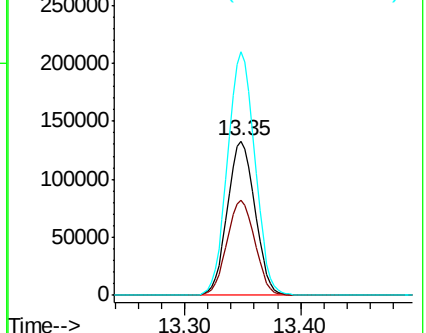
150 156.4 0.0 345.4



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-ethyl acetate

Concen: 0.479 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Tgt Ion: 43 Resp: 3401

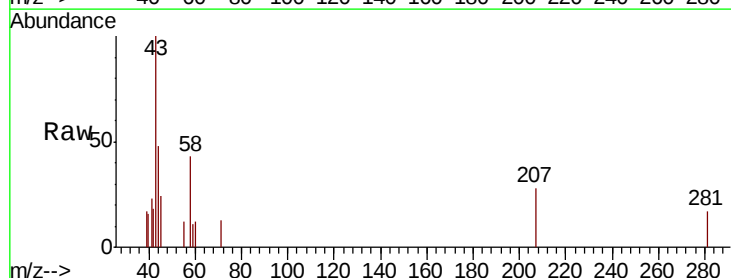
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 7.3 19.6 29.4#

61 0.0 18.6 28.0#

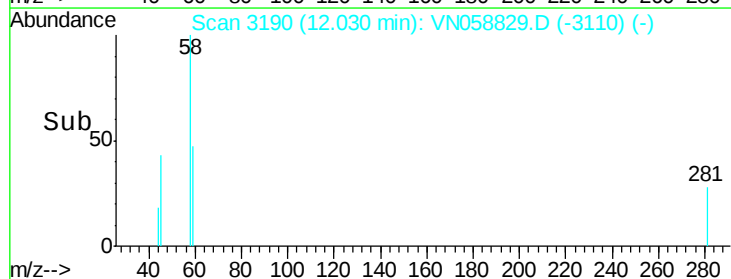
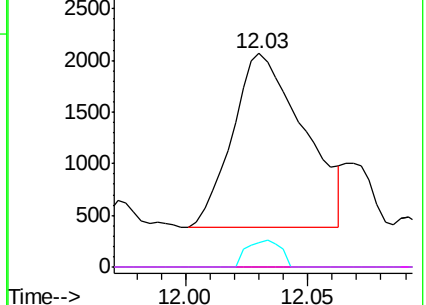


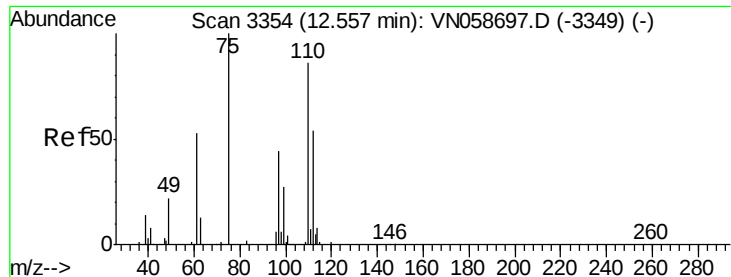
Abundance Ion 43.00 (42.70 to 43.70): V

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: 29.357 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

Instrument :

MSVOA_N

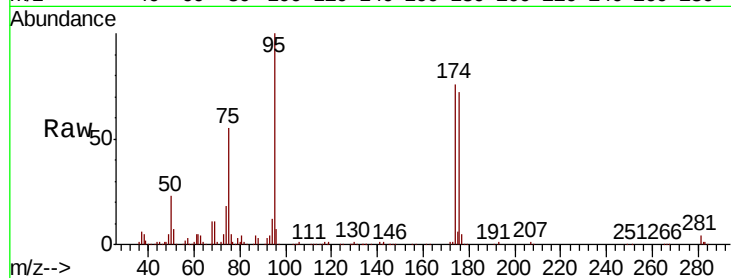
ClientSampled :

Tot Ion: 75 Resp: 140552

Ion Ratio Lower Upper

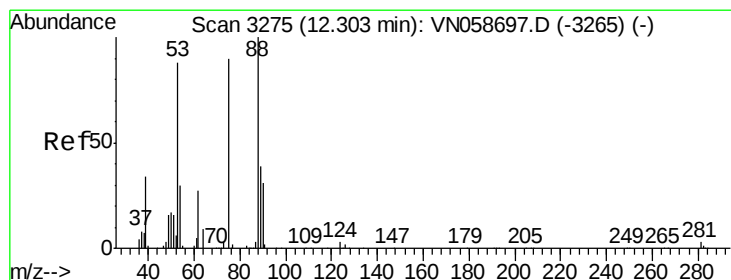
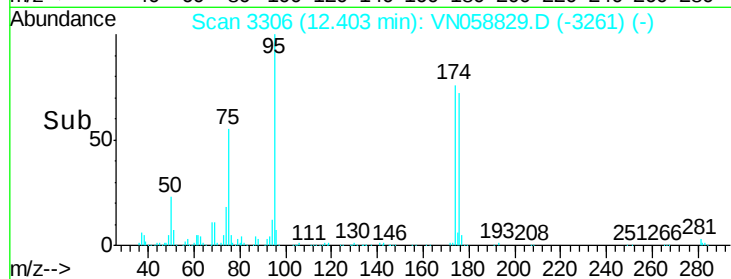
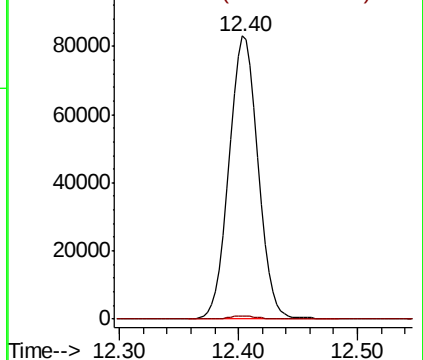
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 78.637 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058829.D

Acq: 17 Oct 2019 15:52

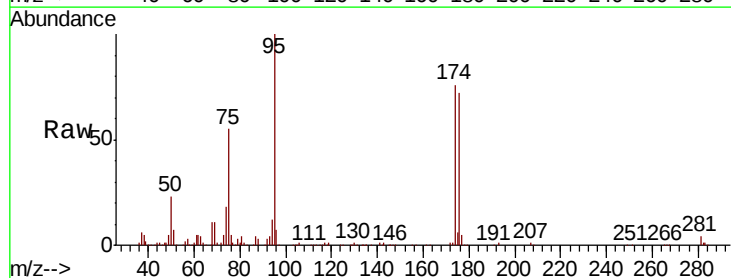
Tgt Ion: 75 Resp: 140552

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

