

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058817.D
 Acq On : 17 Oct 2019 11:29
 Operator : JC/SP
 Sample : K5396-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:24:54 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	404853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	647417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	205728	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	298011	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	7.57	113	214528	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.08	98	803406	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	254270	42.01	ug/l	0.00
Spiked Amount			Recovery	=	84.02%	

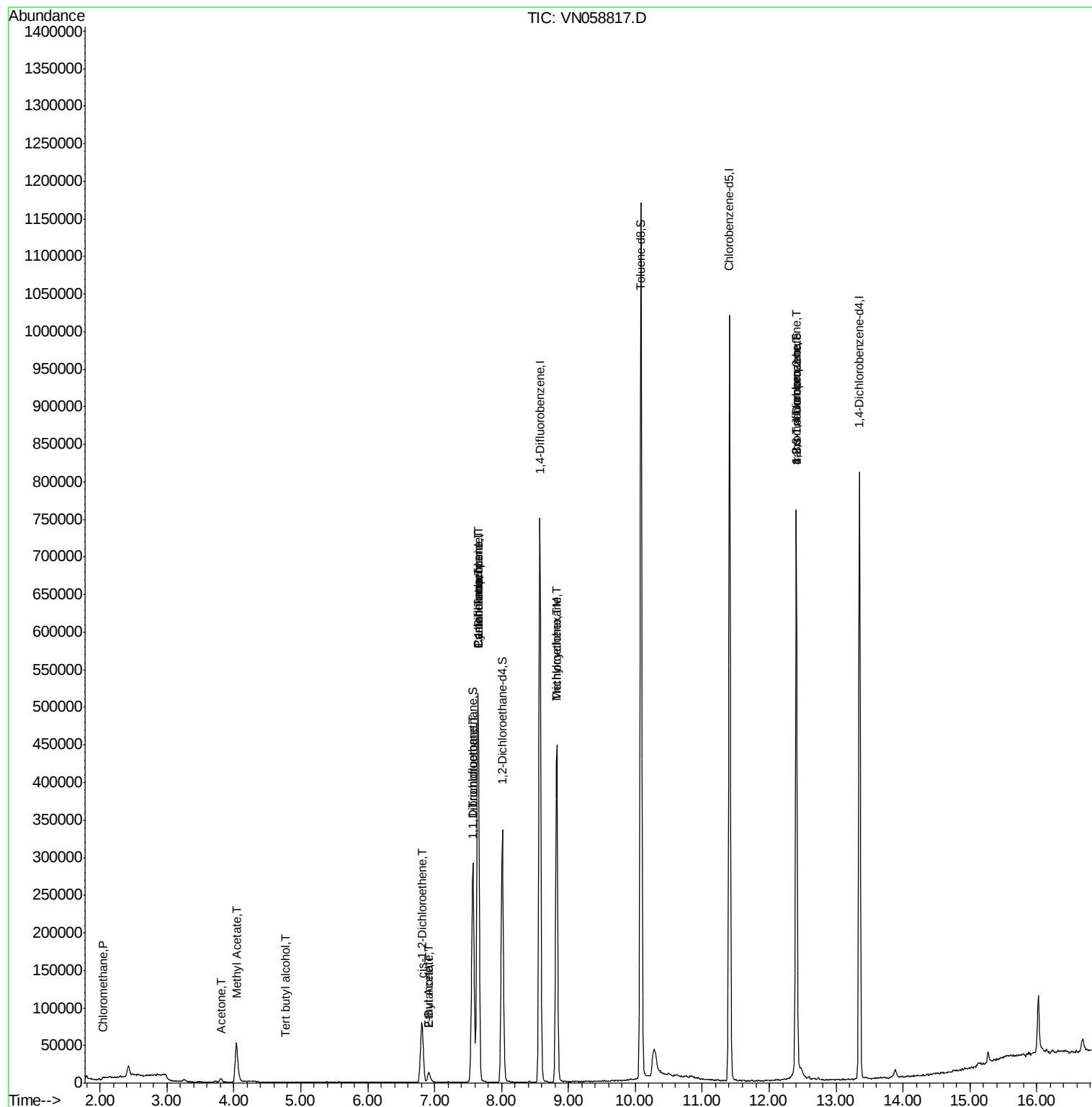
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1808	0.302	ug/l #	80
11) Tert butyl alcohol	4.76	59	456	0.497	ug/l #	72
16) Acetone	3.80	43	8320	3.546	ug/l	91
18) Methyl Acetate	4.04	43	18267	3.069	ug/l #	54
25) 2-Butanone	6.91	43	22543	6.647	ug/l #	50
27) cis-1,2-Dichloroethene	6.81	96	50801	10.017	ug/l	89
31) Cyclohexane	7.65	56	9697	1.166	ug/l #	8
32) 1,1,1-Trichloroethane	7.55	97	19373	2.602	ug/l	99
36) 1,1-Dichloropropene	7.65	75	34620	5.289	ug/l #	50
37) Ethyl Acetate	6.91	43	22543	3.405	ug/l #	94
38) Carbon Tetrachloride	7.65	117	41052	6.435	ug/l #	17
39) Methylcyclohexane	8.82	83	2189	0.288	ug/l #	1
44) Trichloroethene	8.82	130	156956	33.620	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	134868	29.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134868	80.048	ug/l #	11

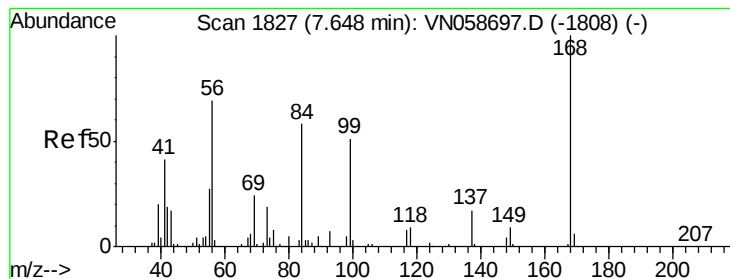
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101719\
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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: VN058817.D

Acq: 17 Oct 2019 11:29

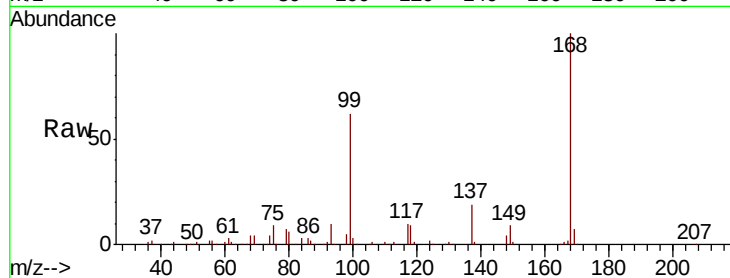
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 404853

Ion Ratio Lower Upper

168 100

99 62.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

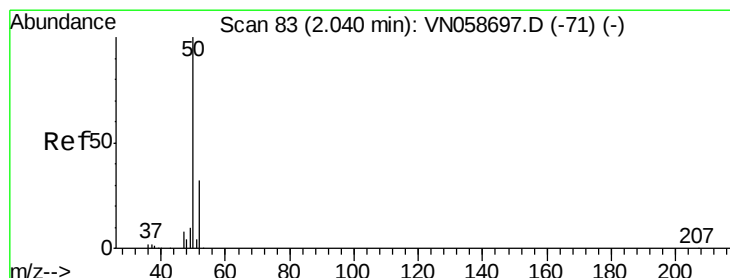
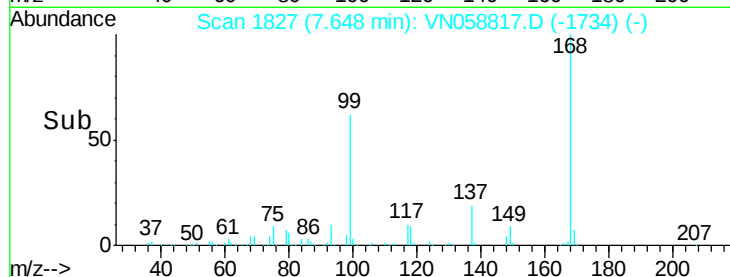
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.302 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058817.D

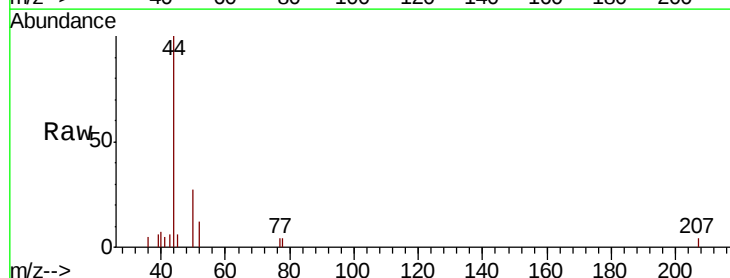
Acq: 17 Oct 2019 11:29

Tgt Ion: 50 Resp: 1808

Ion Ratio Lower Upper

50 100

52 43.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

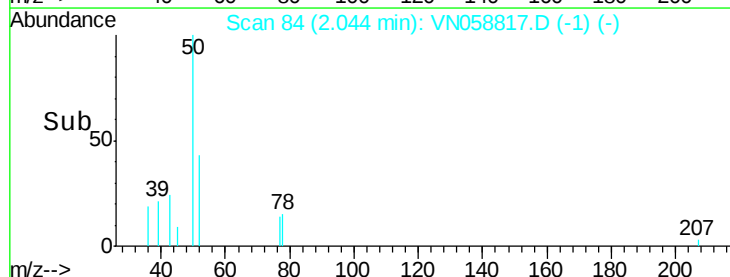
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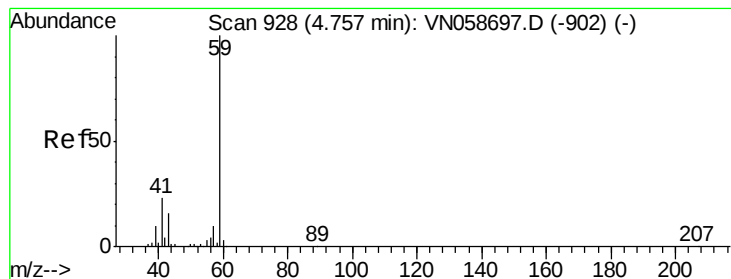
500

0

2.00 2.05 2.10

Time-->



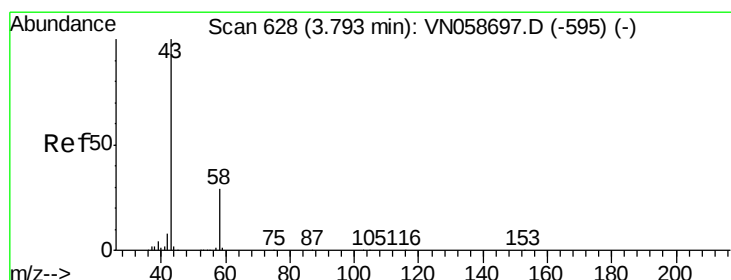
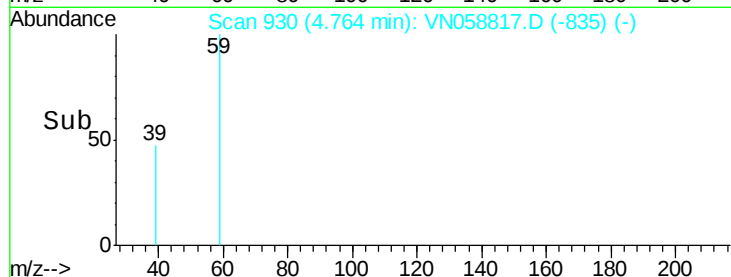
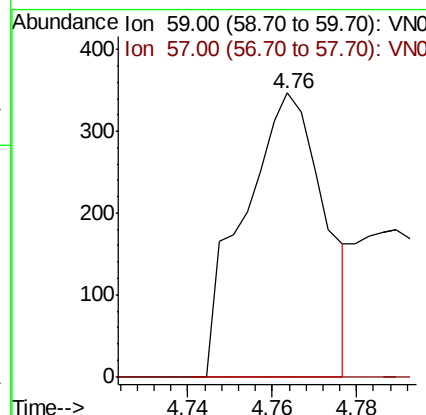
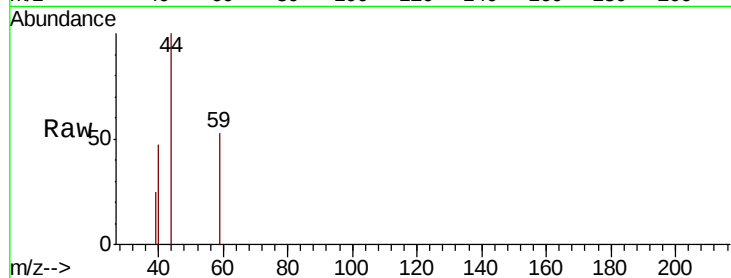


#11

Tert butyl alcohol
 Concen: 0.497 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :

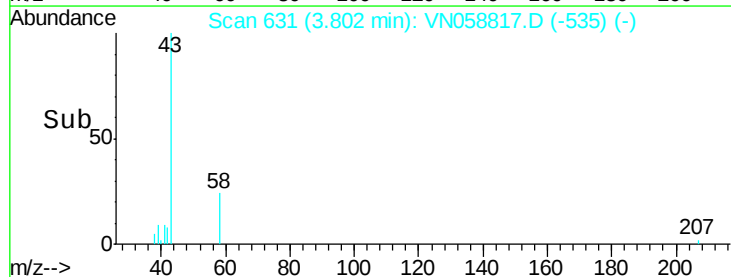
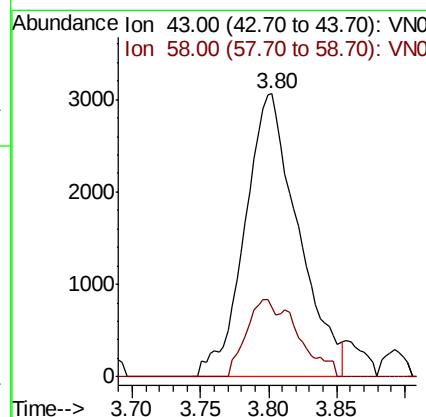
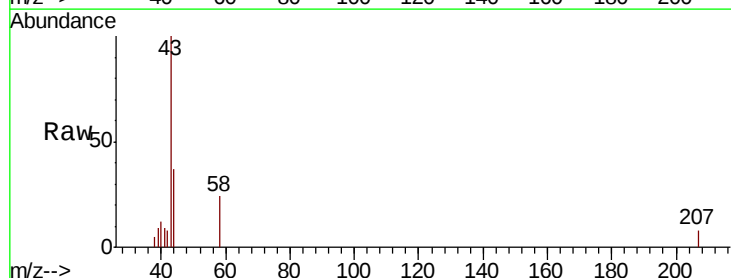
Tot Ion: 59 Resp: 456
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

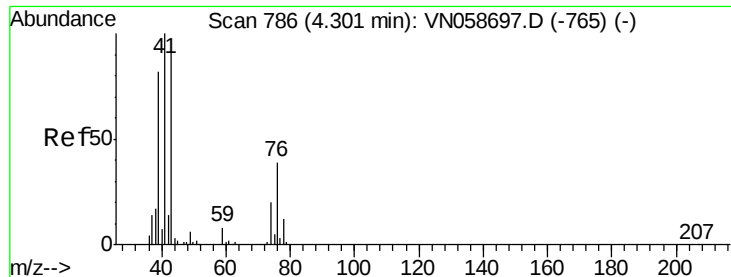


#16

Acetone
 Concen: 3.546 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

Tgt Ion: 43 Resp: 8320
 Ion Ratio Lower Upper
 43 100
 58 24.5 23.3 34.9

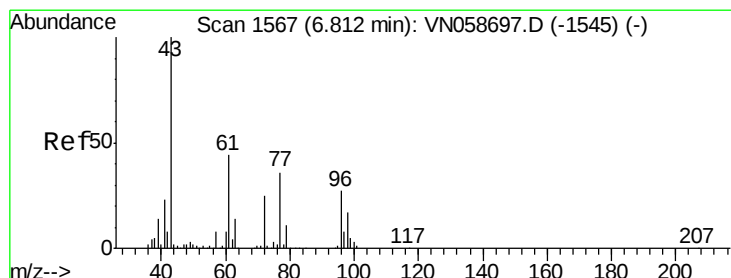
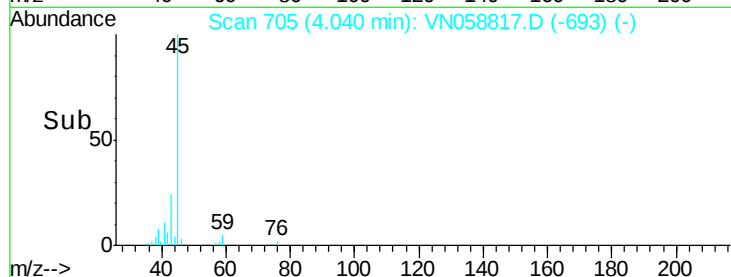
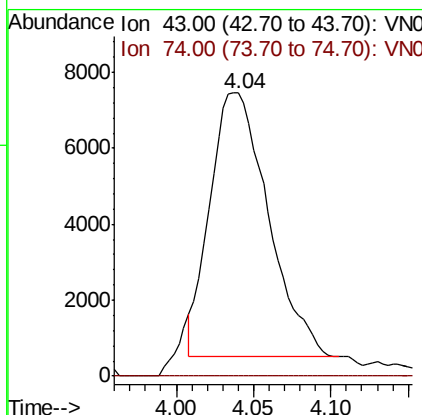
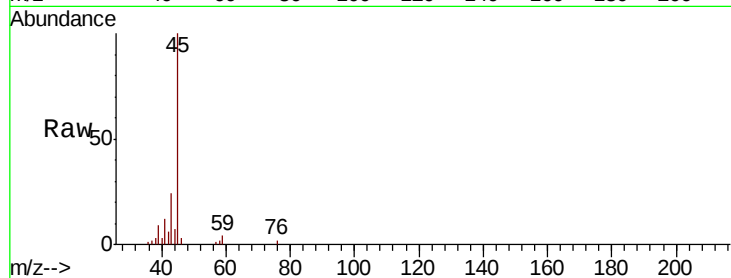




#18
Methvl Acetate
Concen: 3.069 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.26 min
Lab File: VN058817.D
Acq: 17 Oct 2019 11:29

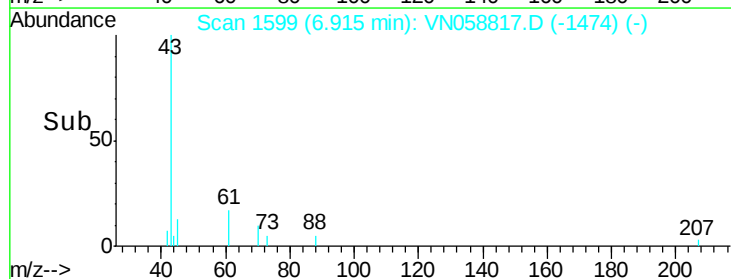
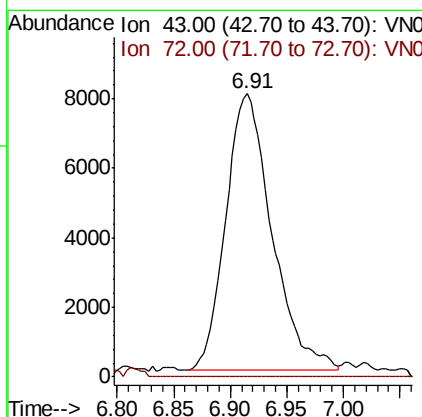
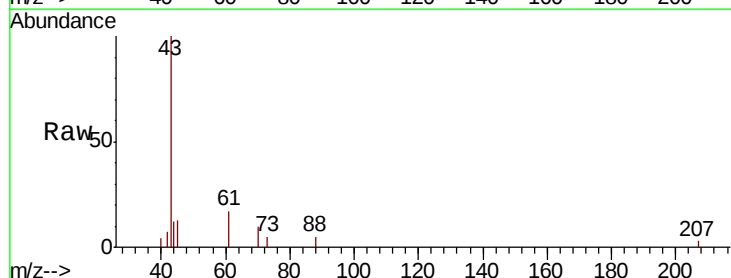
Instrument :
MSVOA_N
ClientSampleId :

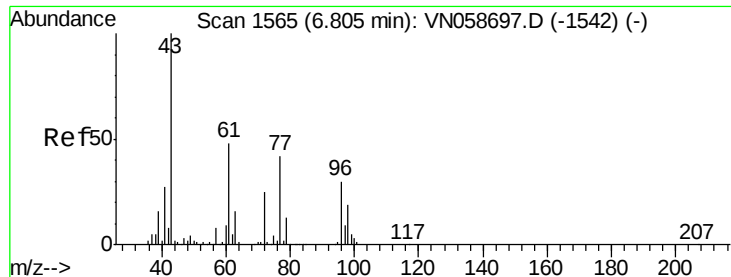
Tot Ion: 43 Resp: 18267
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#25
2-Butanone
Concen: 6.647 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.10 min
Lab File: VN058817.D
Acq: 17 Oct 2019 11:29

Tgt Ion: 43 Resp: 22543
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 10.017 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :
MSVOA_N
ClientSampleId :

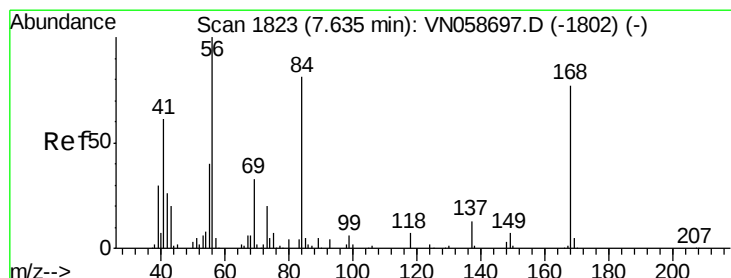
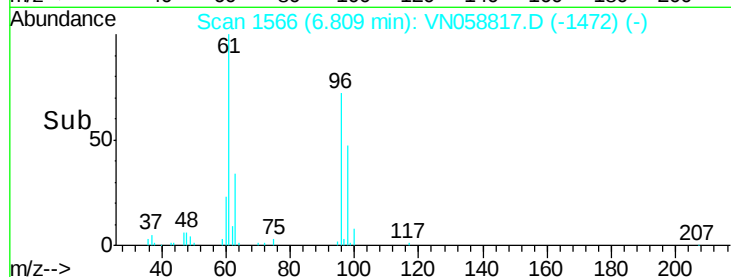
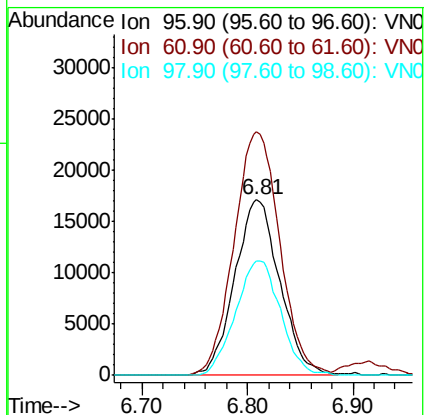
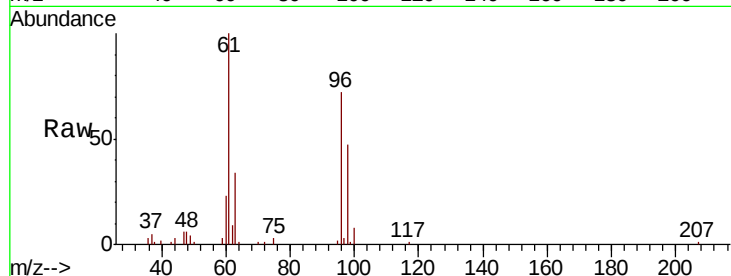
Tot Ion: 96 Resp: 50801

Ion Ratio Lower Upper

96 100

61 141.1 0.0 324.8

98 64.7 0.0 129.2



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

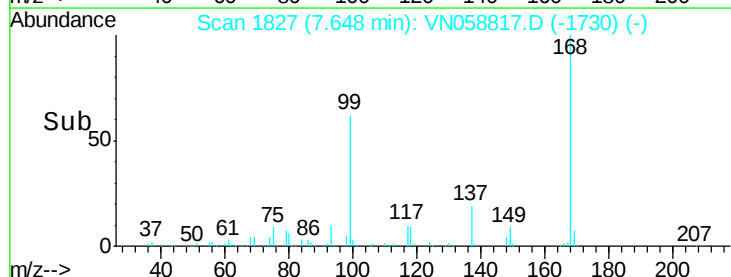
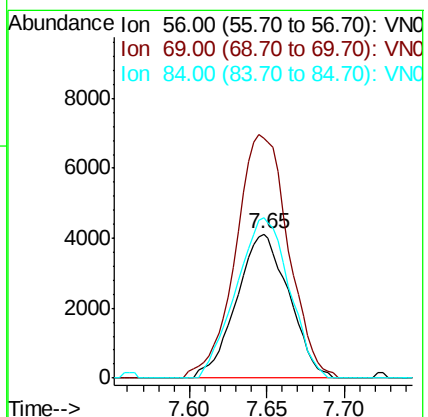
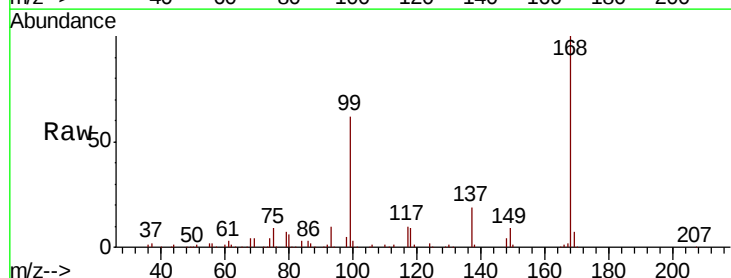
Tgt Ion: 56 Resp: 9697

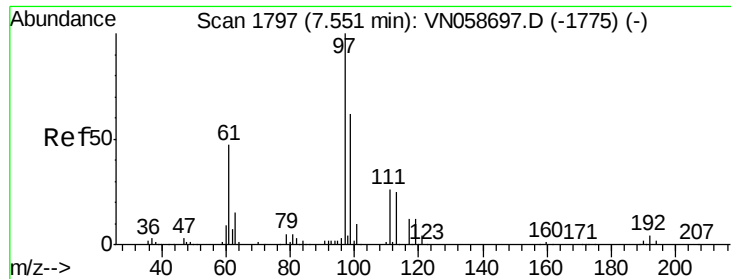
Ion Ratio Lower Upper

56 100

69 166.0 26.2 39.4#

84 111.5 64.9 97.3#





#32

1,1,1-Trichloroethane

Concen: 2.602 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :

MSVOA_N

ClientSampled :

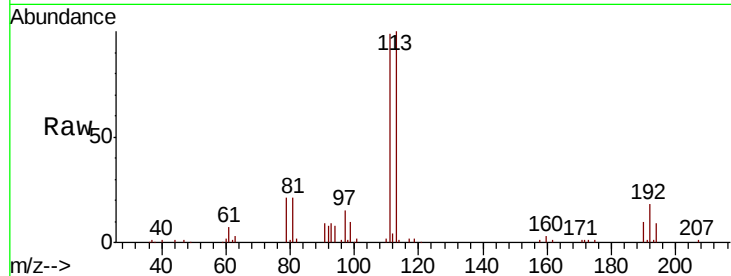
Tot Ion: 97 Resp: 19373

Ion Ratio Lower Upper

97 100

99 63.3 50.8 76.2

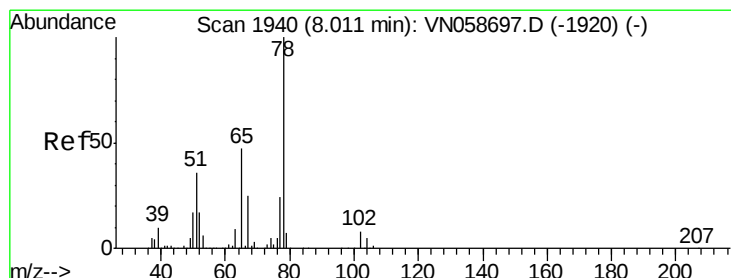
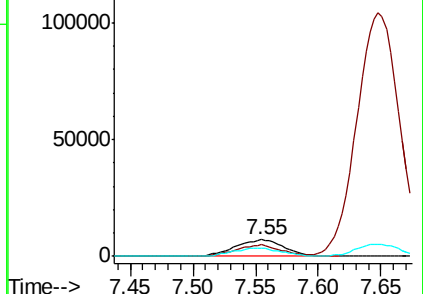
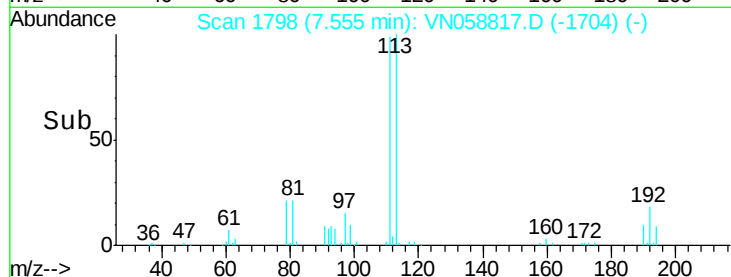
61 49.0 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VN058817.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058817.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058817.D (-1775) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.579 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058817.D

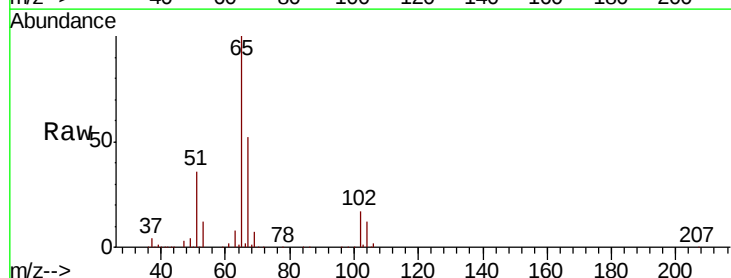
Acq: 17 Oct 2019 11:29

Tgt Ion: 65 Resp: 298011

Ion Ratio Lower Upper

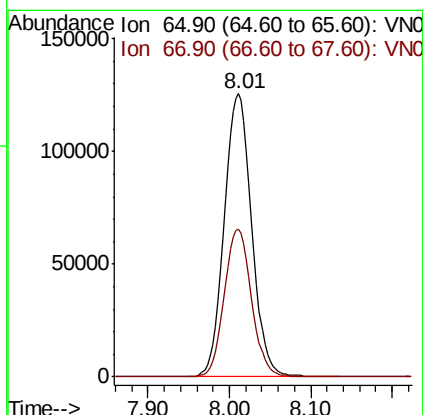
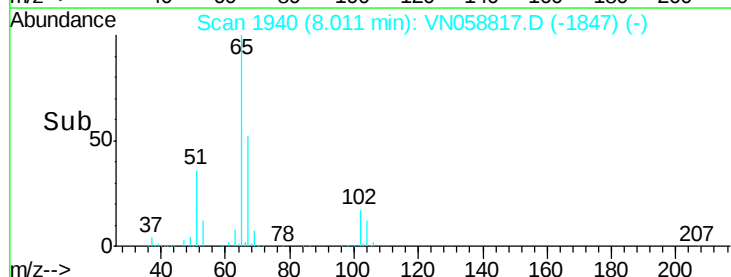
65 100

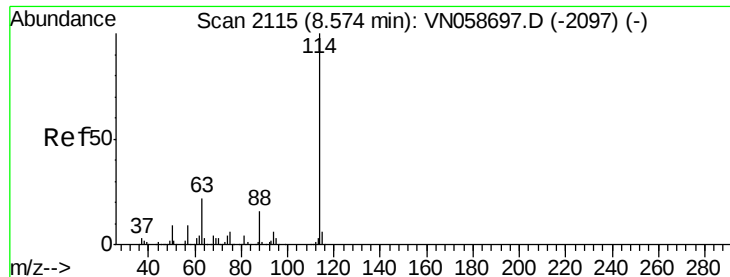
67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058817.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058817.D (-1847) (-)

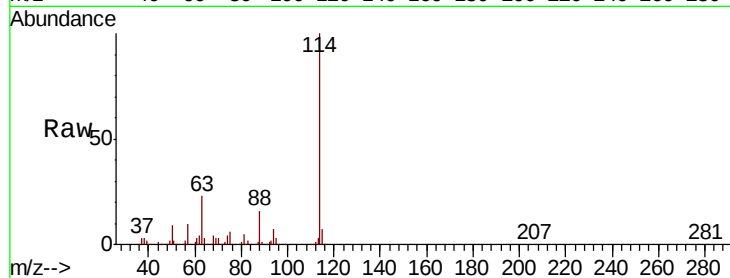




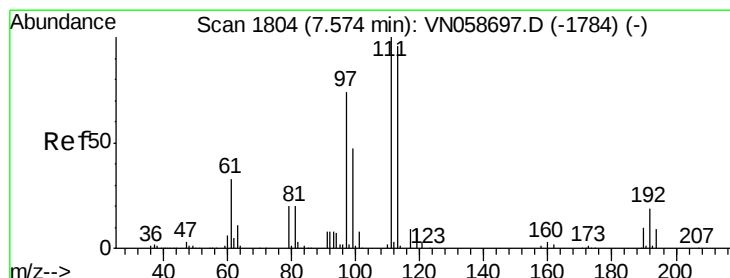
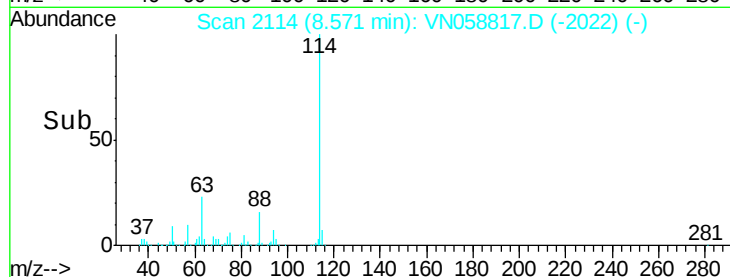
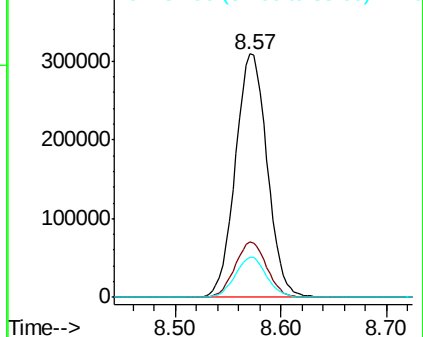
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 647417
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.4 0.0 32.0

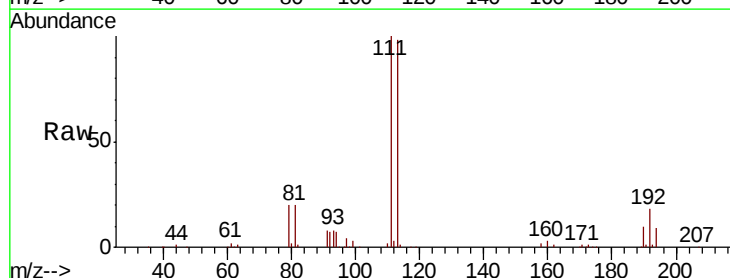


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

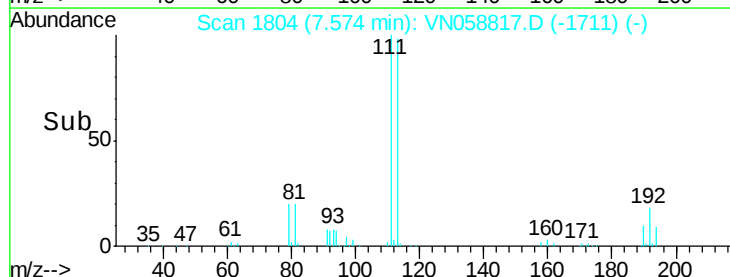
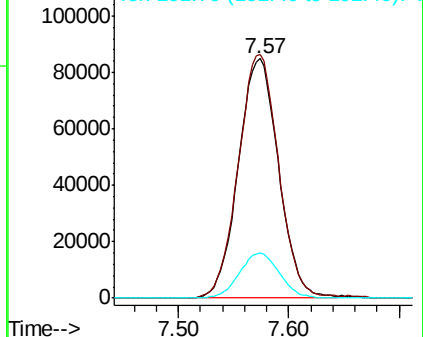


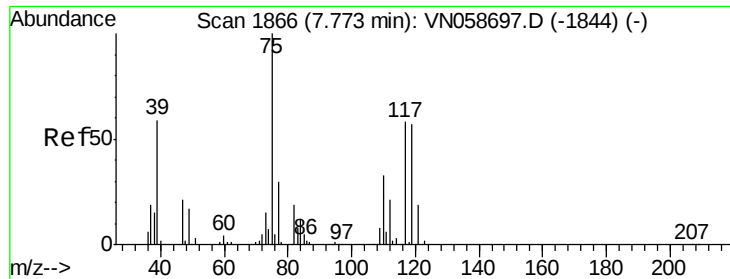
#35
 Dibromofluoromethane
 Concen: 53.646 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

Tgt Ion:113 Resp: 214528
 Ion Ratio Lower Upper
 113 100
 111 101.8 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

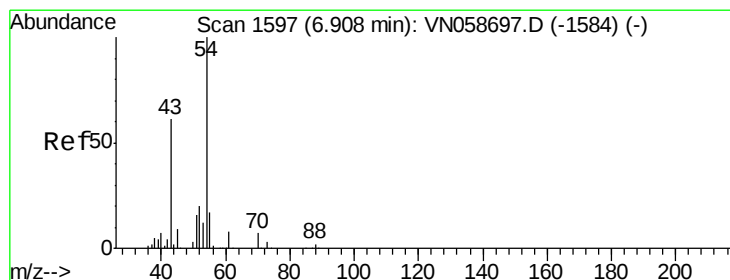
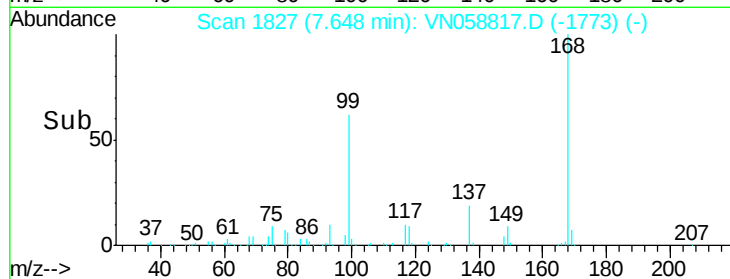
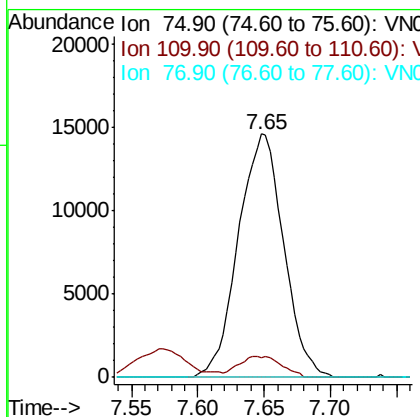
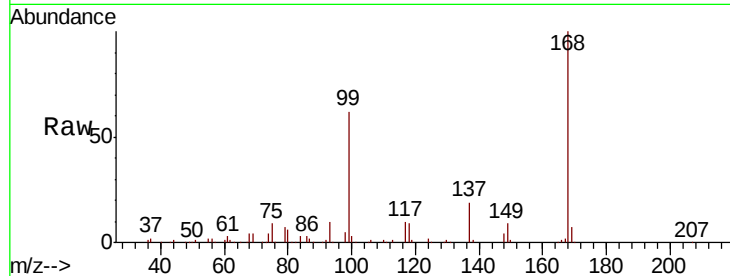




#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

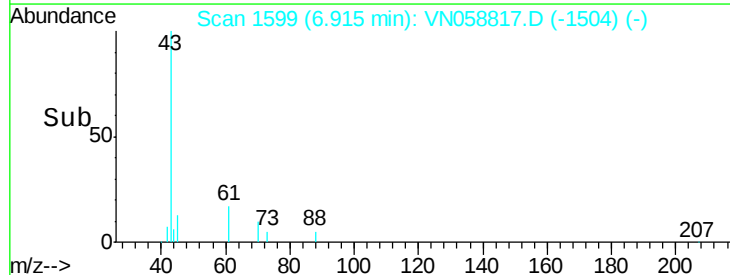
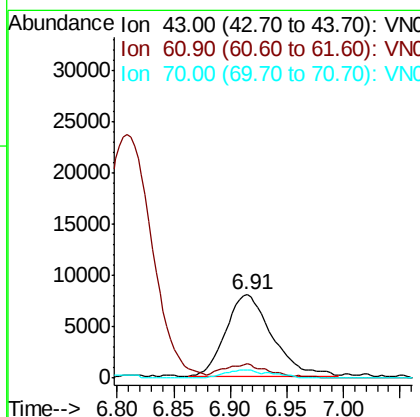
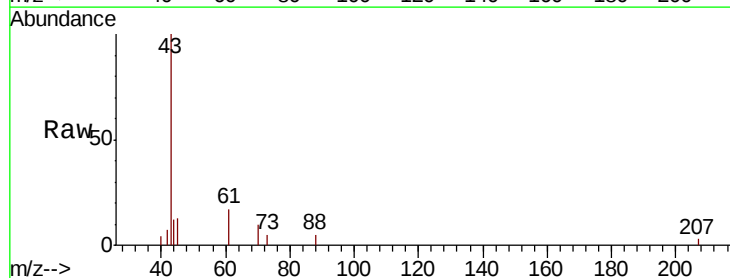
Instrument :
 MSVOA_N
 ClientSampleId :

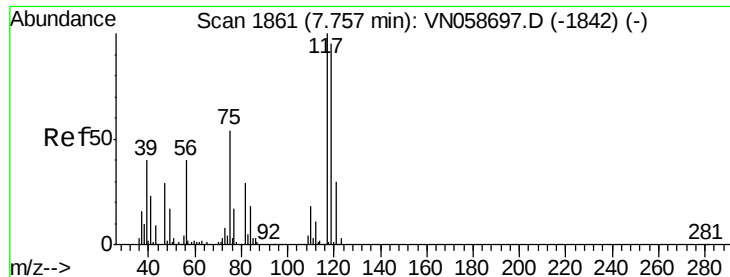
Tot Ion	75	Resp	34620
Ion Ratio	Lower	Upper	
75	100		
110	8.3	16.6	49.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 3.405 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058817.D
 Acq: 17 Oct 2019 11:29

Tgt Ion	43	Resp	22543
Ion Ratio	Lower	Upper	
43	100		
61	17.8	11.3	16.9#
70	9.7	7.2	10.8





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

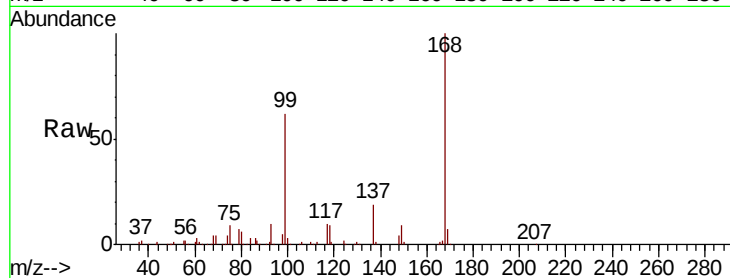
Tot Ion:117 Resp: 41052

Ion Ratio Lower Upper

117 100

119 5.4 75.7 113.5#

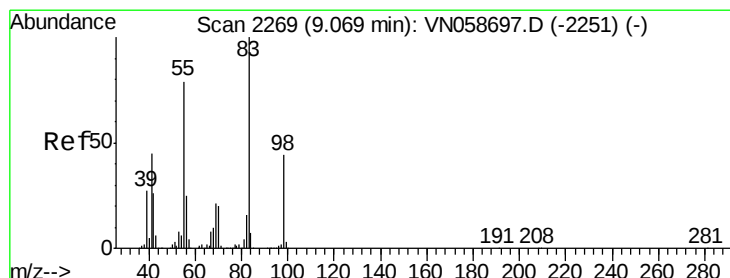
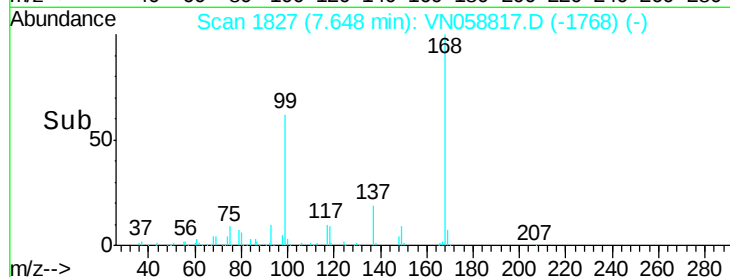
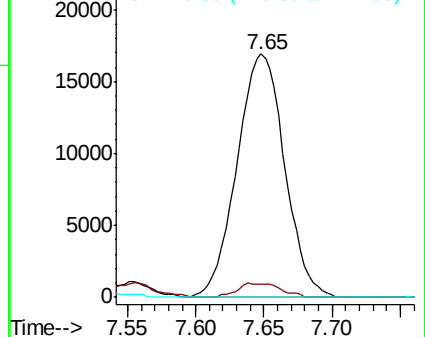
121 0.0 23.9 35.9#



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



#39

Methylcyclohexane

Concen: 0.288 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

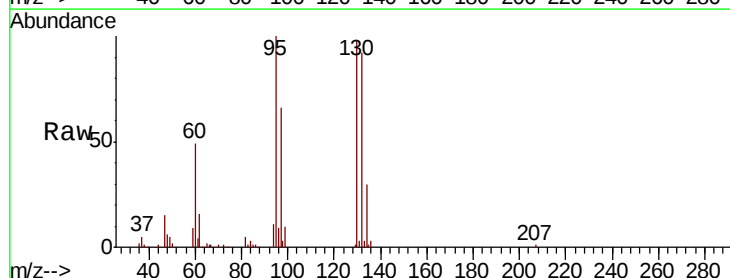
Tgt Ion: 83 Resp: 2189

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

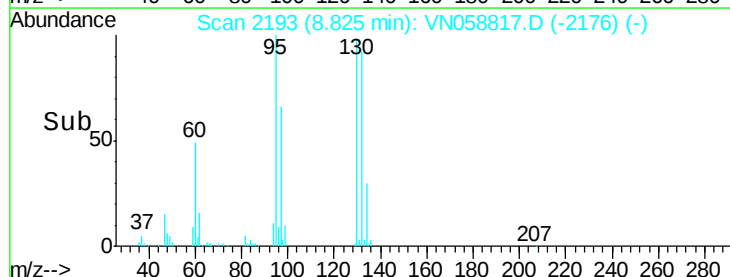
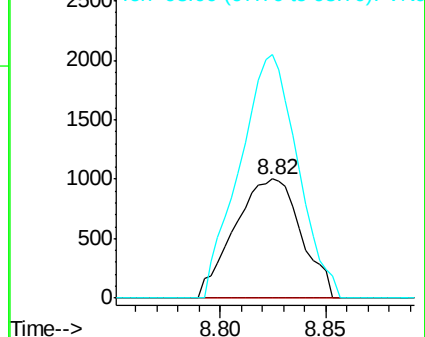
98 204.7 35.1 52.7#

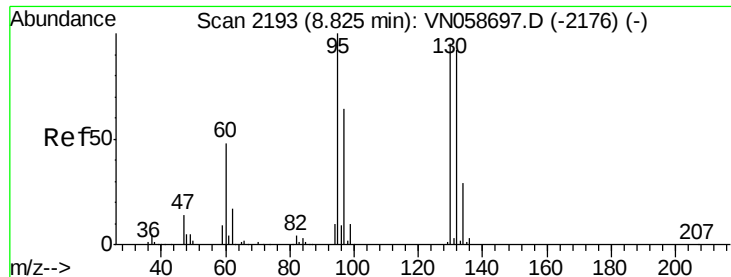


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 33.620 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :

MSVOA_N

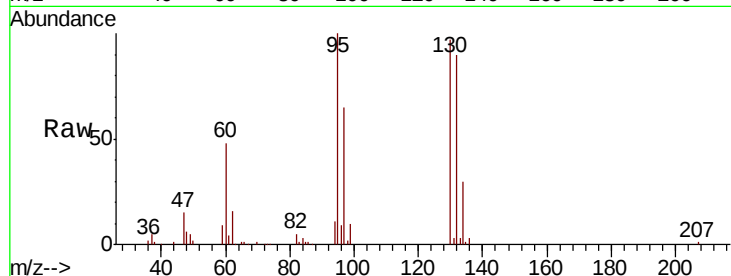
ClientSampleId :

Tot Ion:130 Resp: 156956

Ion Ratio Lower Upper

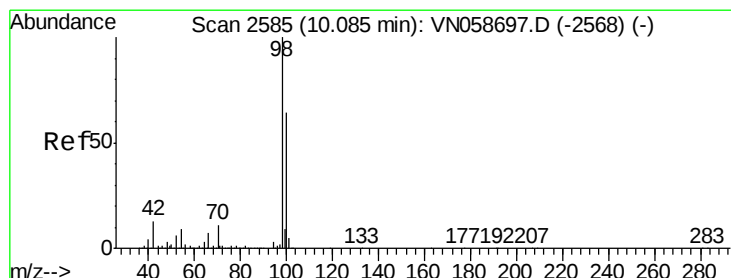
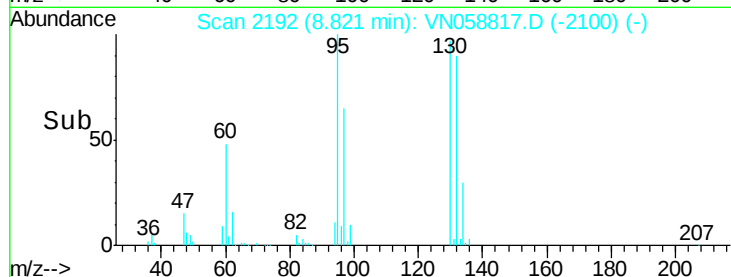
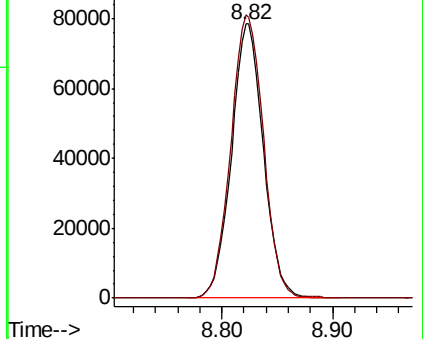
130 100

95 103.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058817.D (-2192) (-)

Ion 94.90 (94.60 to 95.60): VN058817.D (-2192) (-)



#50

Toluene-d8

Concen: 50.240 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058817.D

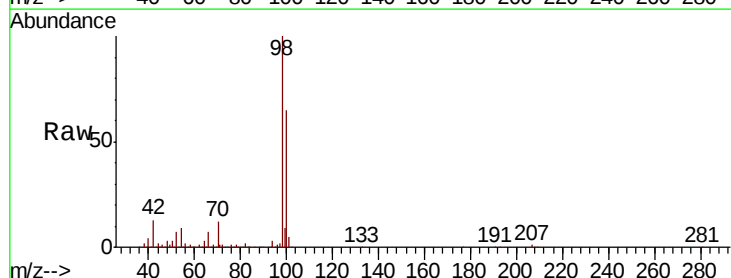
Acq: 17 Oct 2019 11:29

Tgt Ion: 98 Resp: 803406

Ion Ratio Lower Upper

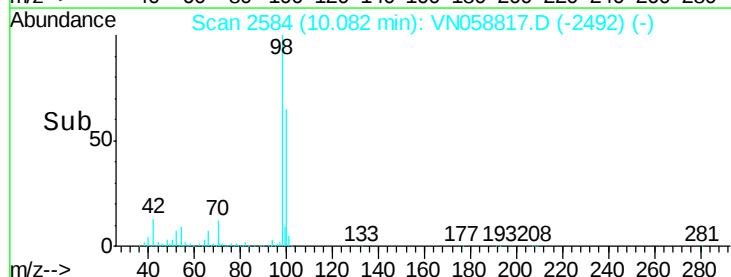
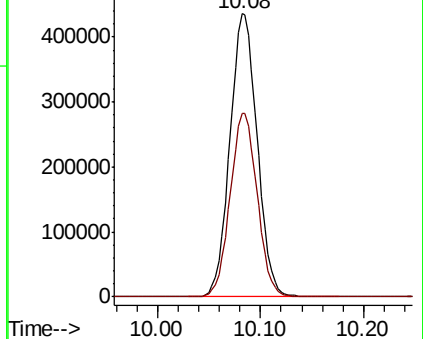
98 100

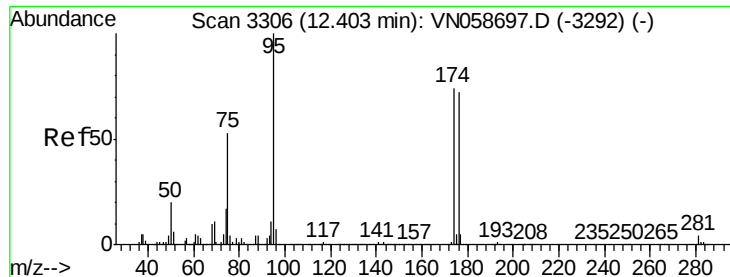
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058817.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058817.D (-2492) (-)

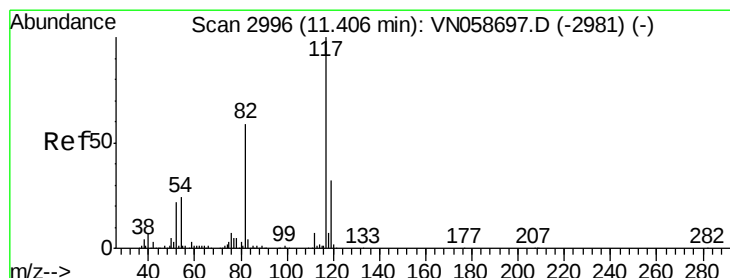
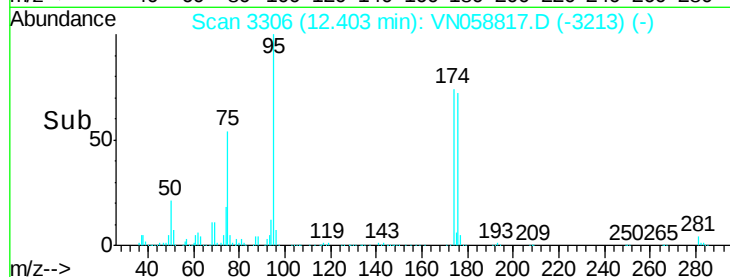
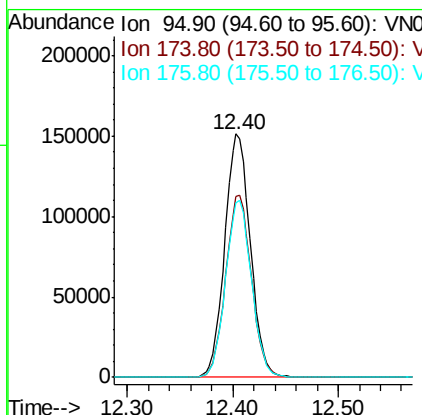
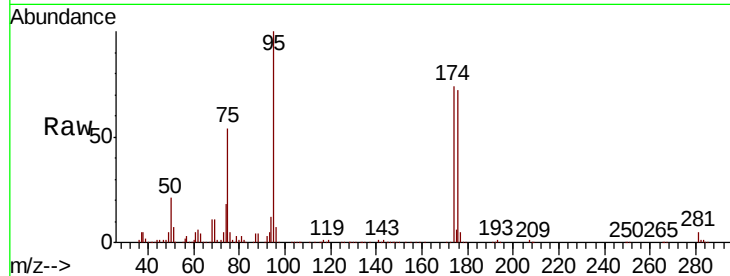




#62
4-Bromofluorobenzene
Concen: 42.006 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058817.D
Acq: 17 Oct 2019 11:29

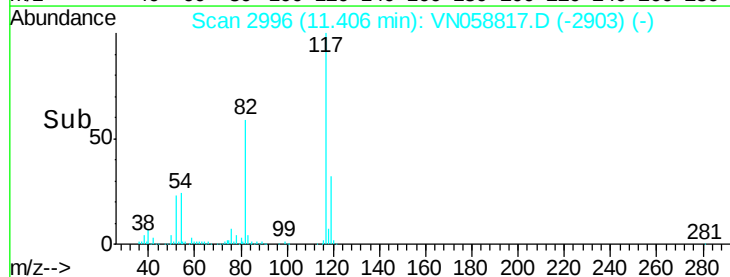
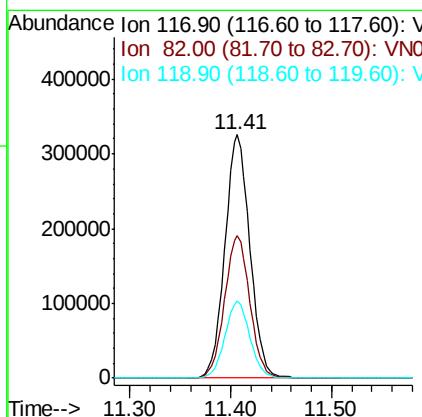
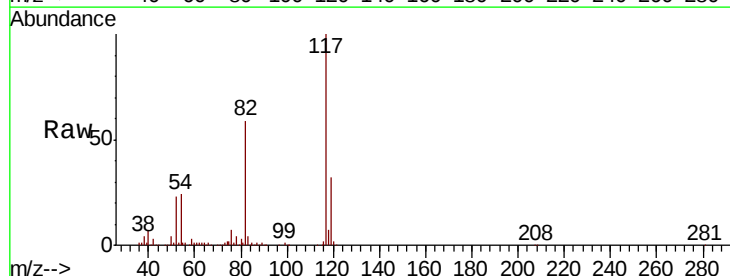
Instrument :
MSVOA_N
ClientSampleId :

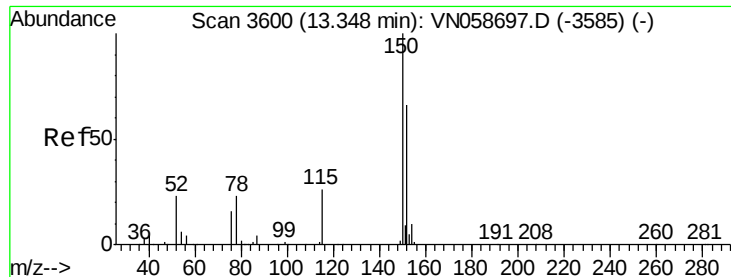
Tot Ion: 95 Resp: 254270
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.4
176 73.5 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058817.D
Acq: 17 Oct 2019 11:29

Tgt Ion: 117 Resp: 562643
Ion Ratio Lower Upper
117 100
82 58.6 47.0 70.4
119 31.6 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: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

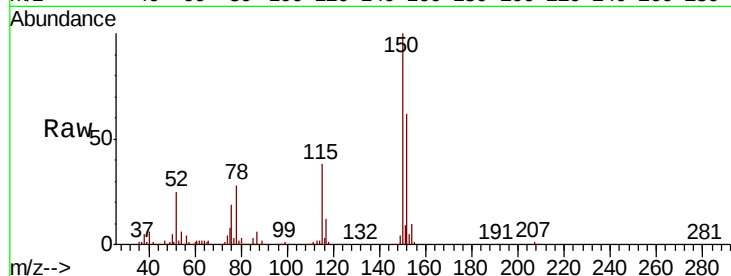
Tot Ion:152 Resp: 205728

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.2

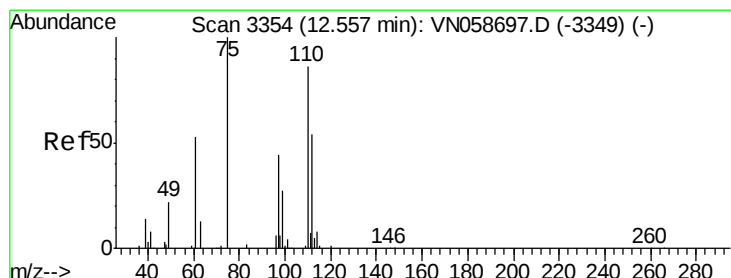
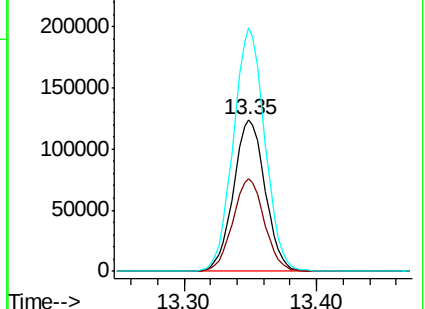
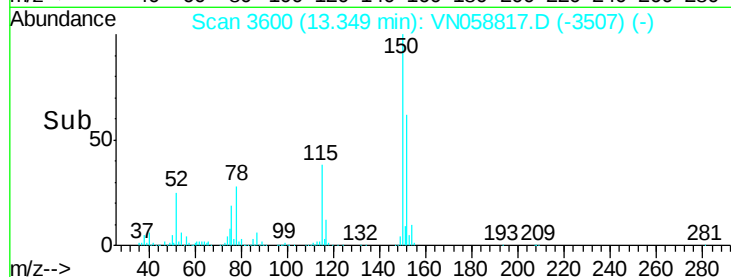
150 159.5 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 29.883 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058817.D

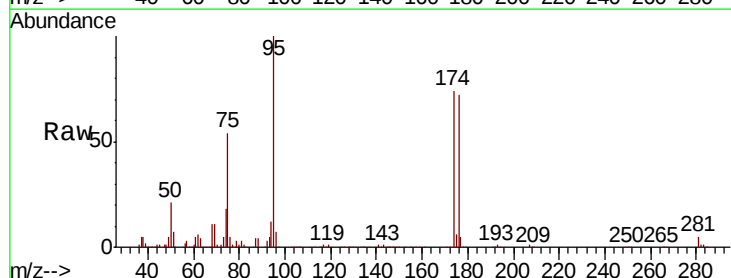
Acq: 17 Oct 2019 11:29

Tgt Ion: 75 Resp: 134868

Ion Ratio Lower Upper

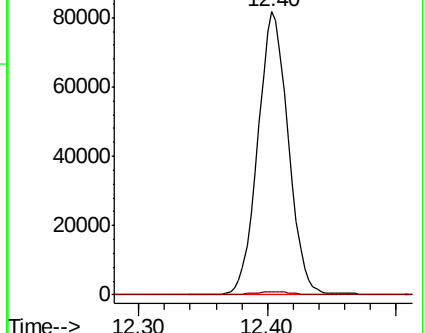
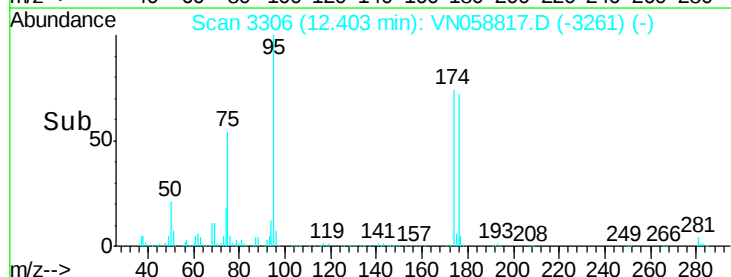
75 100

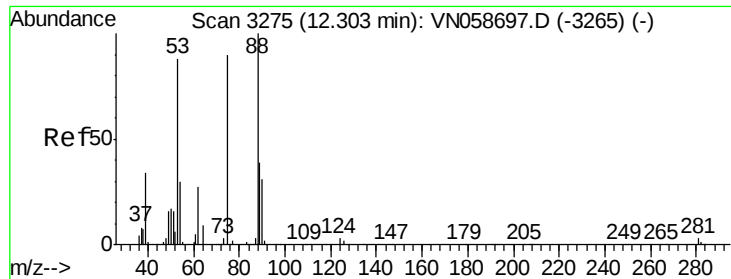
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.048 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058817.D

Acq: 17 Oct 2019 11:29

Instrument :

MSVOA_N

ClientSampleId :

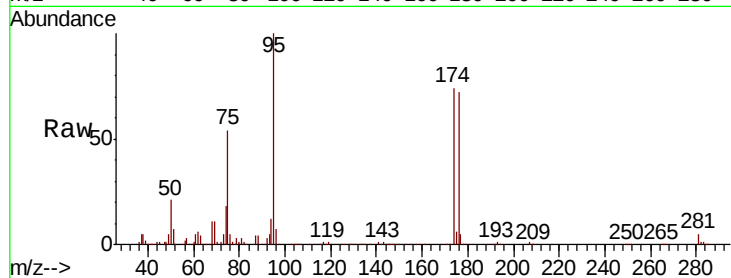
Tot Ion: 75 Resp: 134868

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

