

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058664.D
 Acq On : 10 Oct 2019 00:18
 Operator : JC/SP
 Sample : K5261-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0552

Quant Time: Oct 10 04:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	726192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245737	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	324131	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.57	113	235336	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
50) Toluene-d8	10.09	98	912206	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.40	95	298899	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

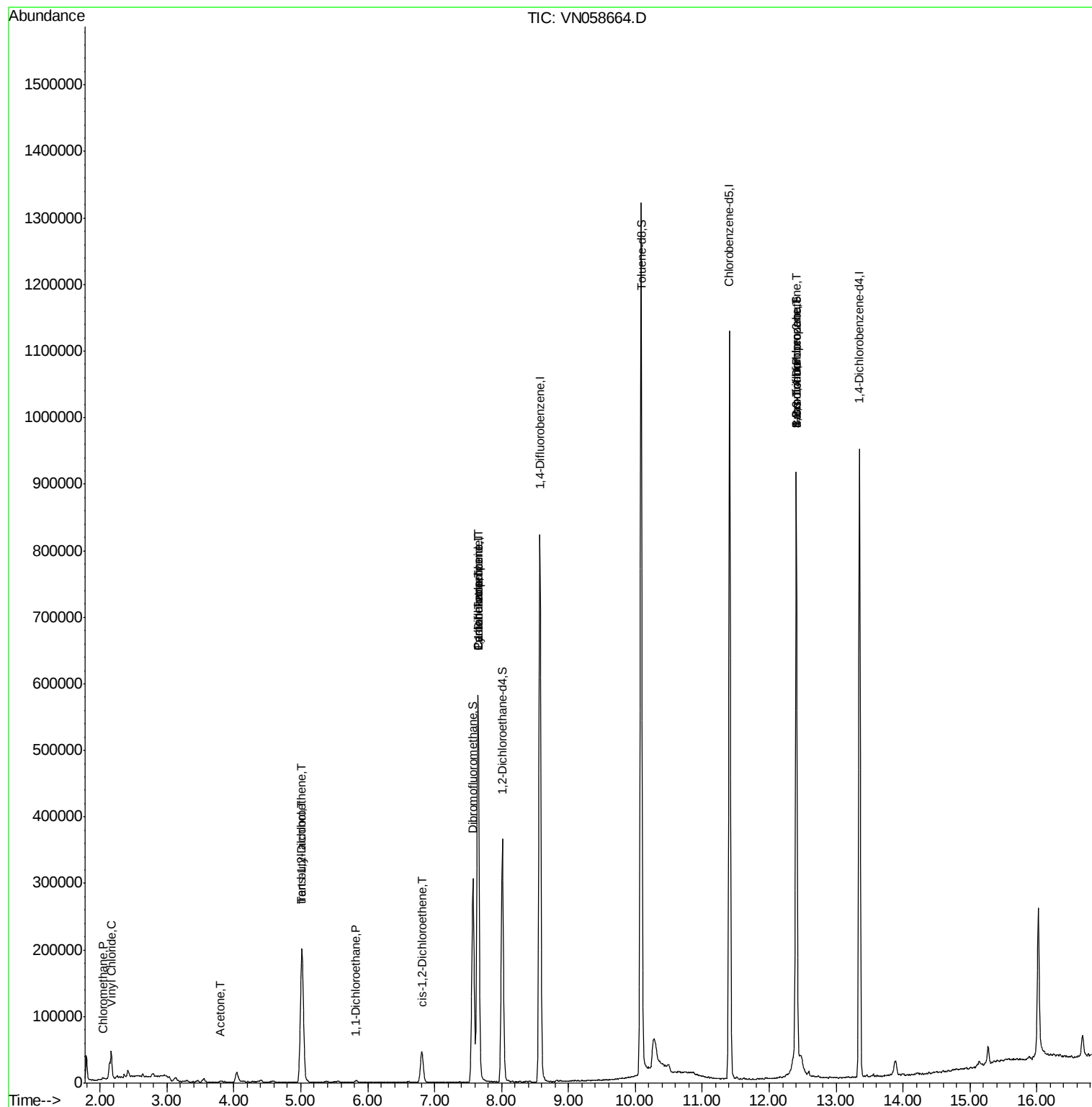
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2806	0.495	ug/l #	84
4) Vinyl Chloride	2.17	62	28296	5.097	ug/l	98
11) Tert butyl alcohol	5.01	59	6430	8.426	ug/l #	89
16) Acetone	3.79	43	1070	0.457	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	129753	26.313	ug/l	98
24) 1,1-Dichloroethane	5.82	63	4548	0.465	ug/l #	85
27) cis-1,2-Dichloroethene	6.81	96	29341	5.091	ug/l	87
31) Cyclohexane	7.65	56	10459	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	37993	5.471	ug/l #	51
38) Carbon Tetrachloride	7.65	117	46408	7.404	ug/l #	15
60) Dibromochloromethane	10.63	129	126	Below Cal	#	11
71) Bromoform	12.40	173	643	0.913	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	158157	35.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158157	107.018	ug/l #	7

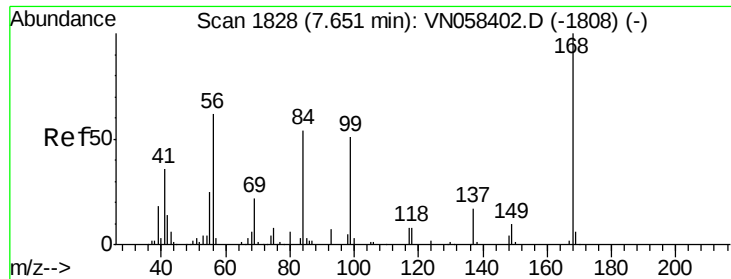
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

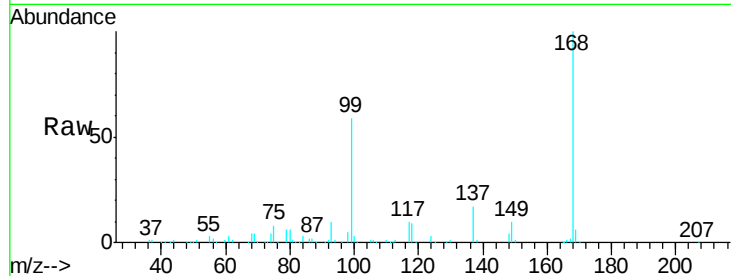
S49-0552

Tgt Ion:168 Resp: 470067

Ion Ratio Lower Upper

168 100

99 58.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

200000

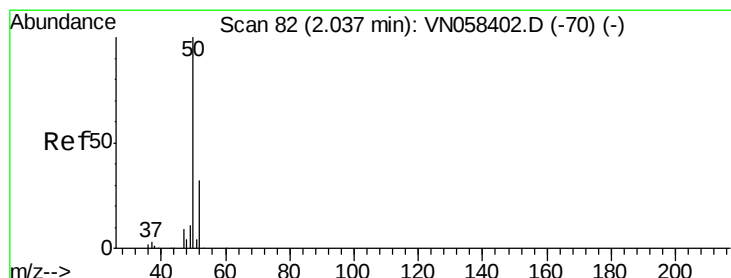
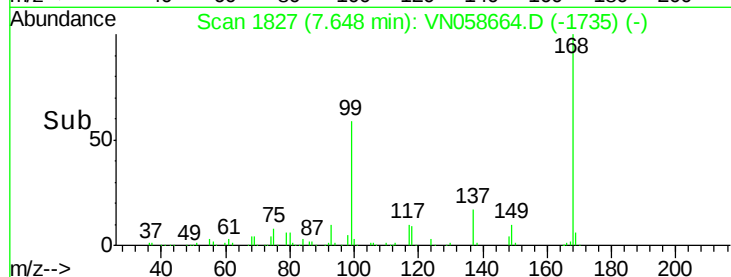
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.495 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058664.D

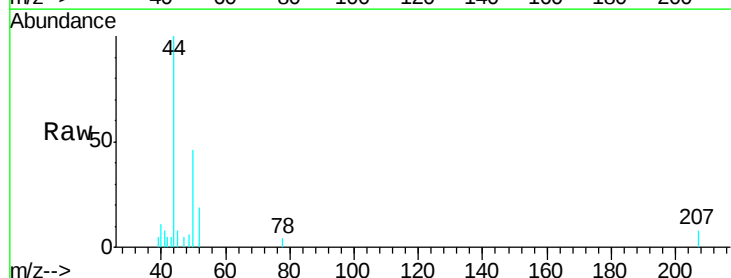
Acq: 10 Oct 2019 00:18

Tgt Ion: 50 Resp: 2806

Ion Ratio Lower Upper

50 100

52 41.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN058402.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058402.D (-70) (-)

2.04

2000

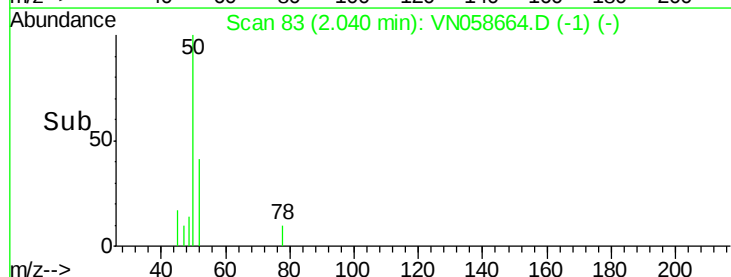
1500

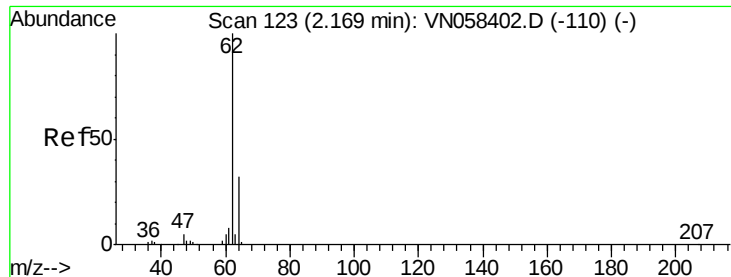
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 5.097 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

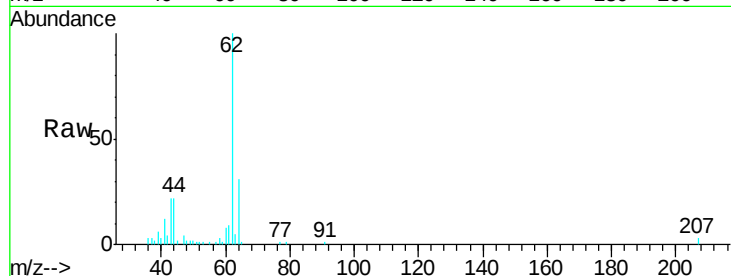
S49-0552

Tgt Ion: 62 Resp: 28296

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

20000

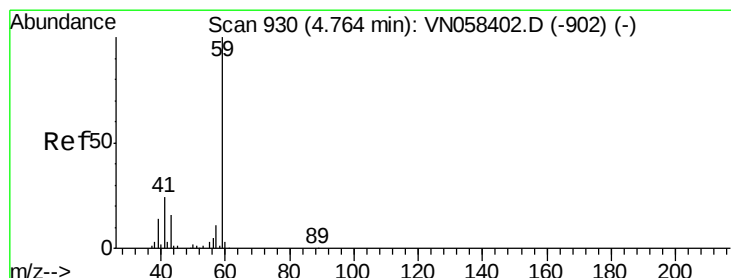
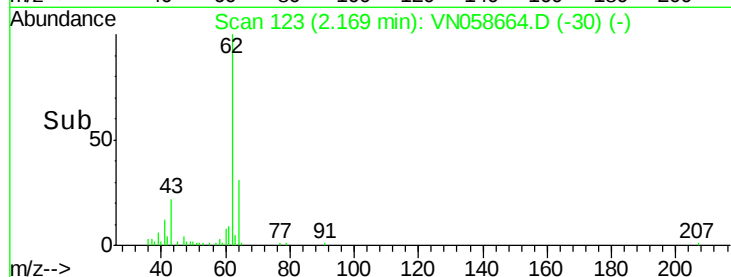
15000

10000

5000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.426 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.24 min

Lab File: VN058664.D

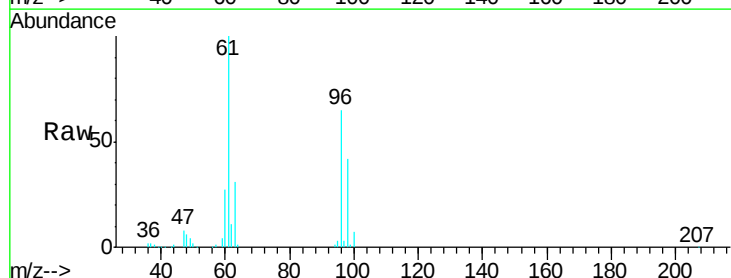
Acq: 10 Oct 2019 00:18

Tgt Ion: 59 Resp: 6430

Ion Ratio Lower Upper

59 100

57 7.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.01

2500

2000

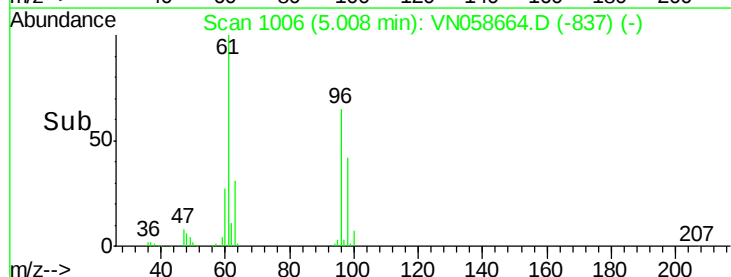
1500

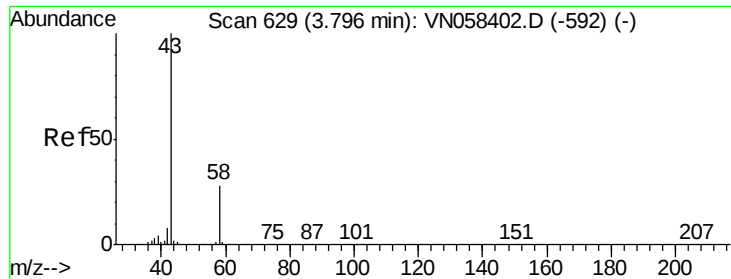
1000

500

0

Time-->

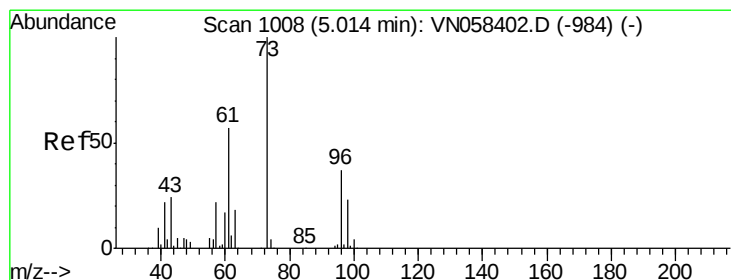
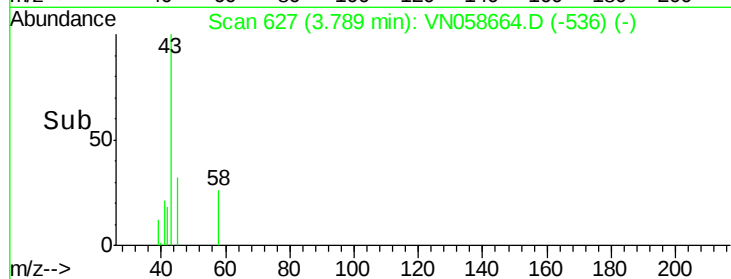
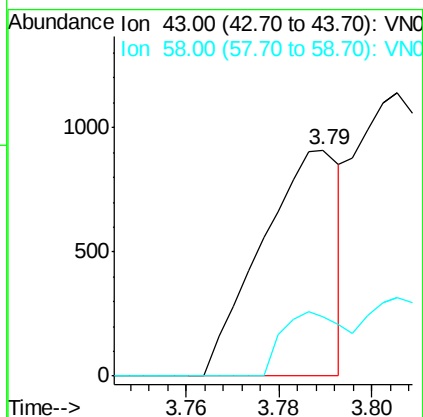
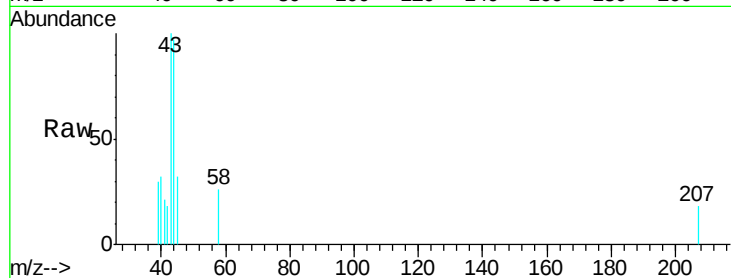




#16
Acetone
Concen: 0.457 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN058664.D
Acq: 10 Oct 2019 00:18

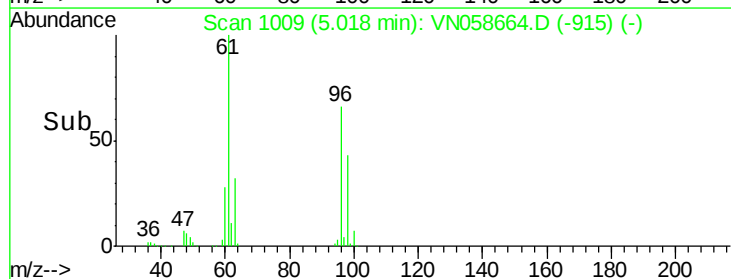
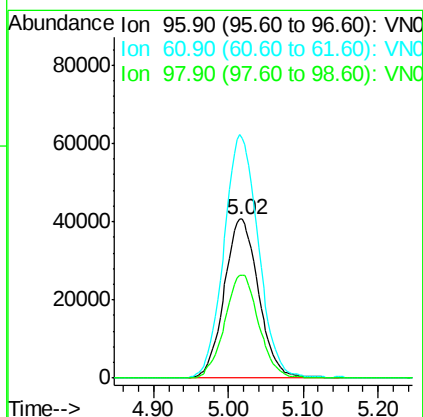
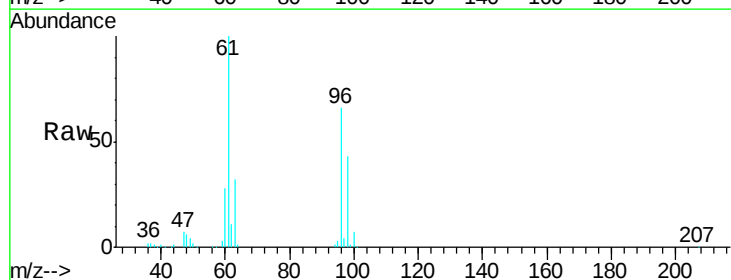
Instrument :
MSVOA_N
ClientSampled :
S49-0552

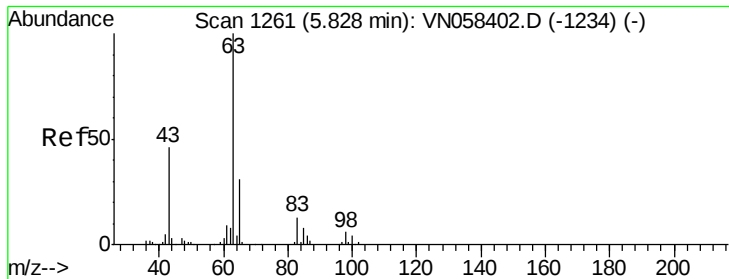
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6



#21
trans-1,2-Dichloroethene
Concen: 26.313 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058664.D
Acq: 10 Oct 2019 00:18

Tgt Ion: 96 Resp: 129753
Ion Ratio Lower Upper
96 100
61 150.5 121.9 182.9
98 64.9 49.3 73.9





#24

1,1-Dichloroethane

Concen: 0.465 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

S49-0552

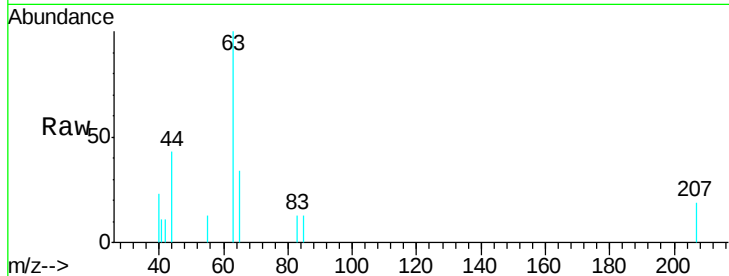
Tgt Ion: 63 Resp: 4548

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

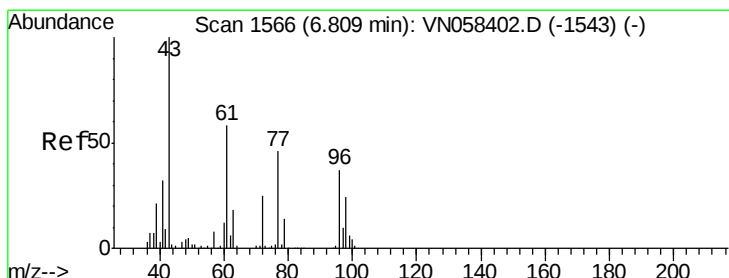
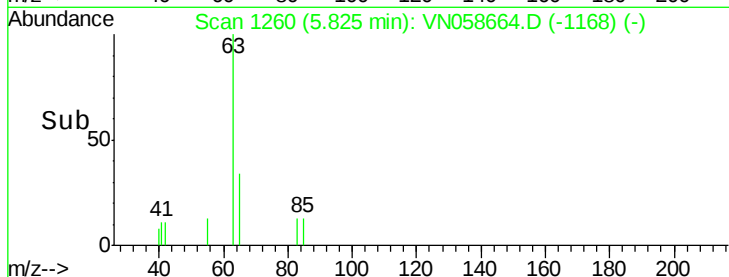
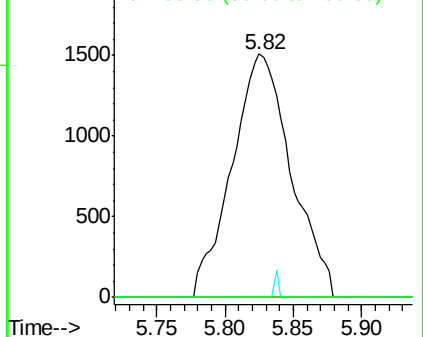
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

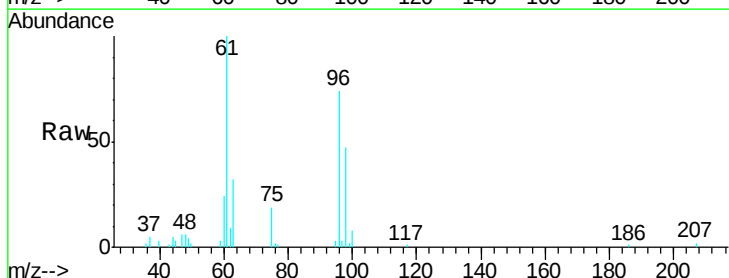
Tgt Ion: 96 Resp: 29341

Ion Ratio Lower Upper

96 100

61 137.4 0.0 318.8

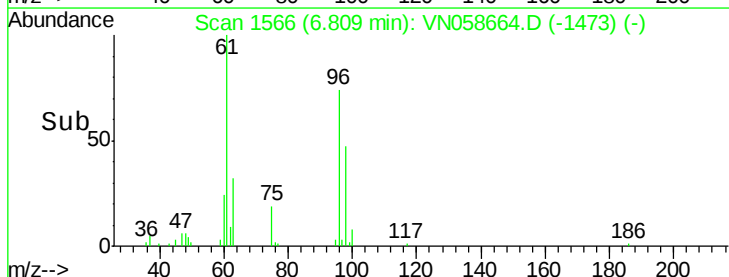
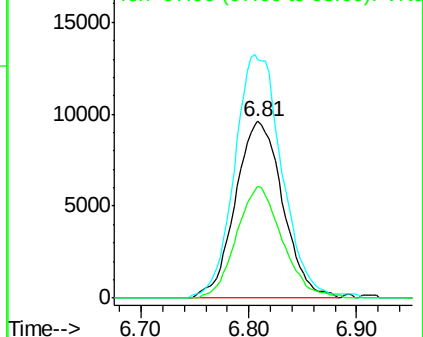
98 61.0 0.0 129.8

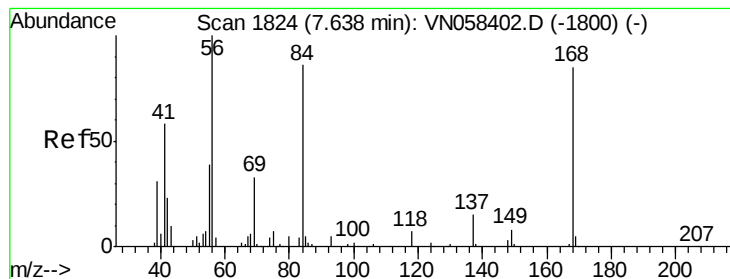


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampled :

S49-0552

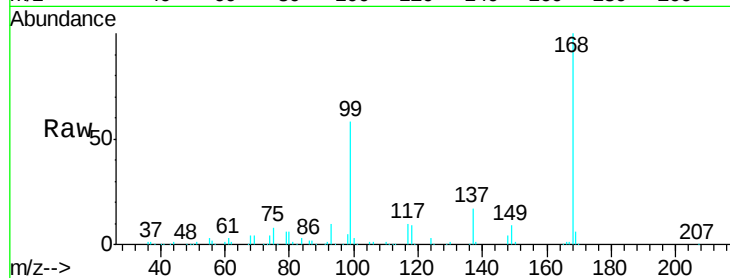
Tgt Ion: 56 Resp: 10459

Ion Ratio Lower Upper

56 100

69 178.9 26.2 39.4#

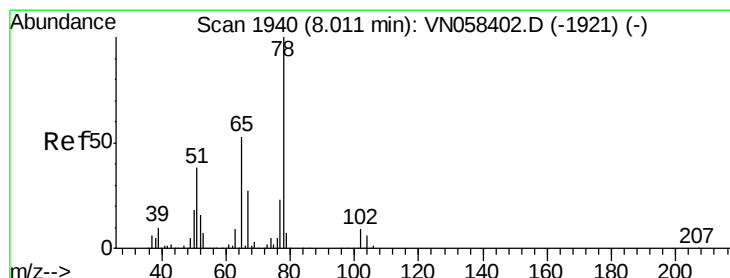
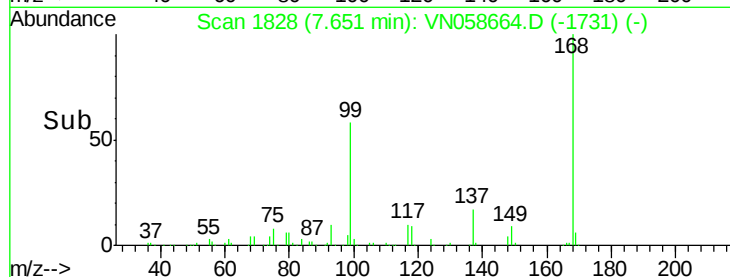
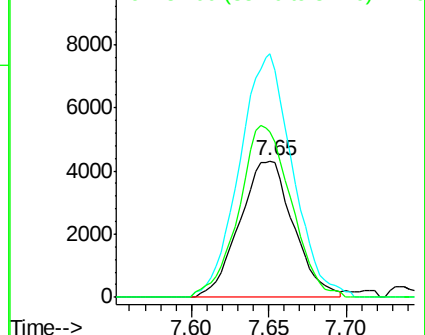
84 121.5 67.6 101.4#



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: 47.186 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058664.D

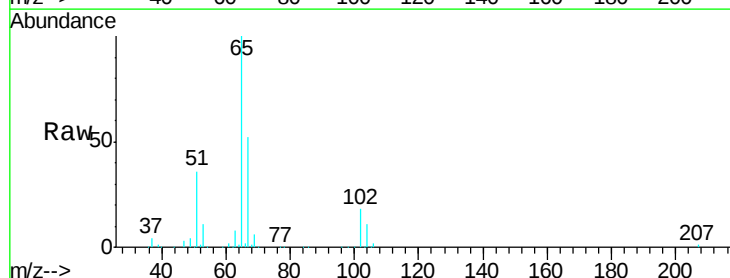
Acq: 10 Oct 2019 00:18

Tgt Ion: 65 Resp: 324131

Ion Ratio Lower Upper

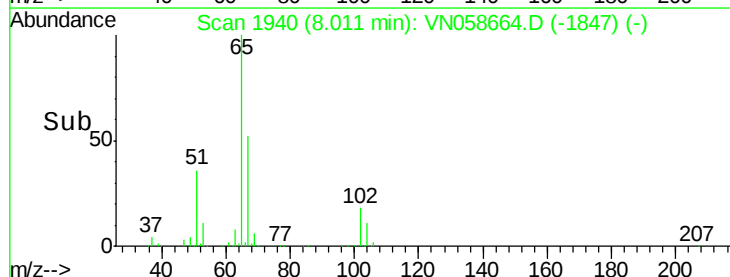
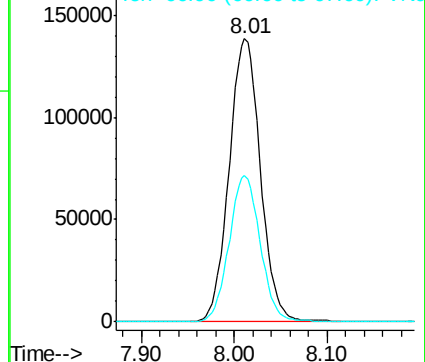
65 100

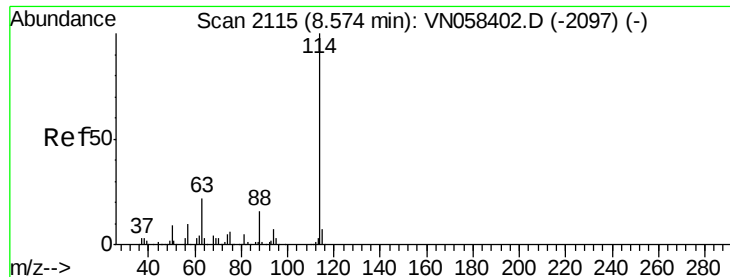
67 51.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

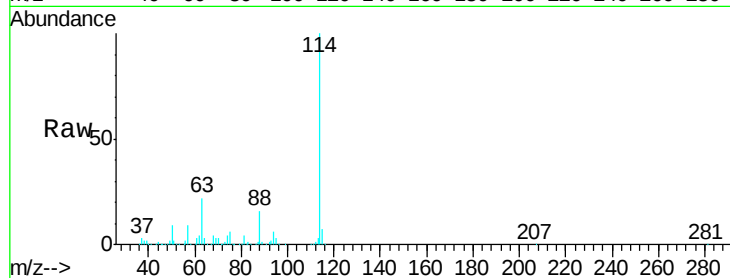




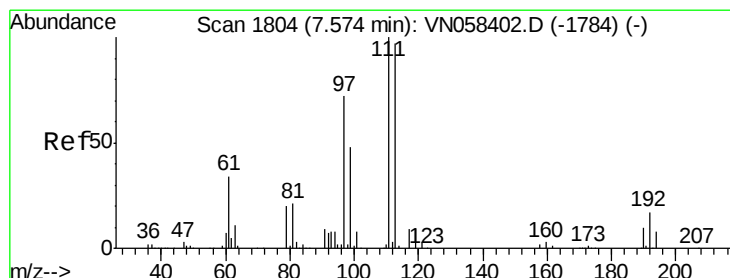
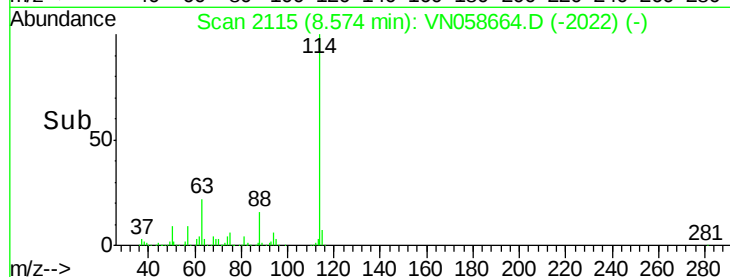
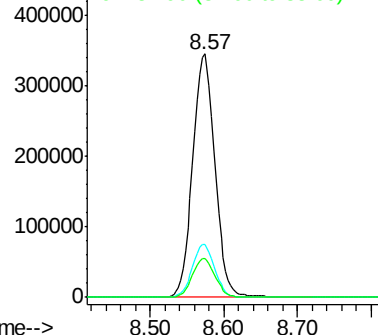
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058664.D
Acq: 10 Oct 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :
S49-0552

Tgt Ion:114 Resp: 726192
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.0
88 15.9 0.0 32.2

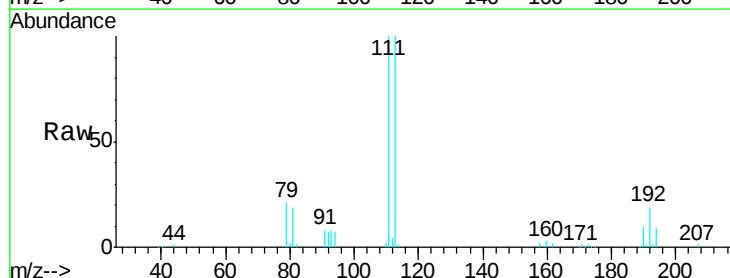


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

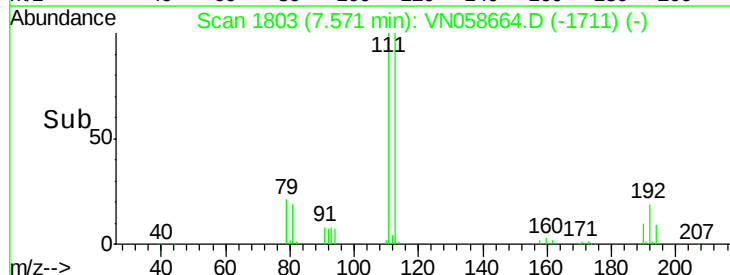
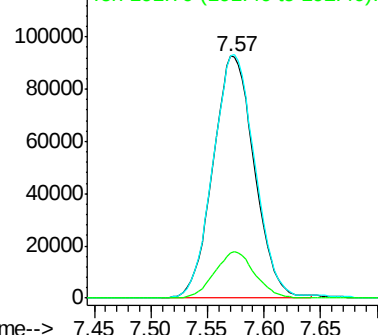


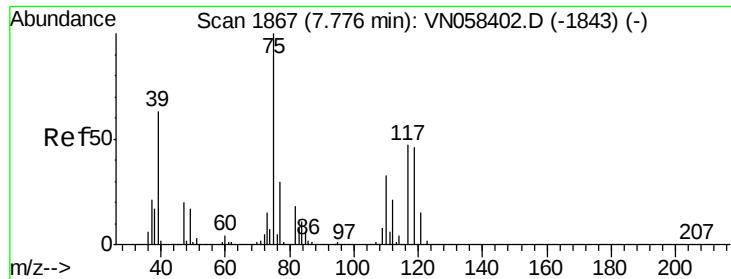
#35
Dibromofluoromethane
Concen: 52.876 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN058664.D
Acq: 10 Oct 2019 00:18

Tgt Ion:113 Resp: 235336
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.2
192 18.6 14.9 22.3



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

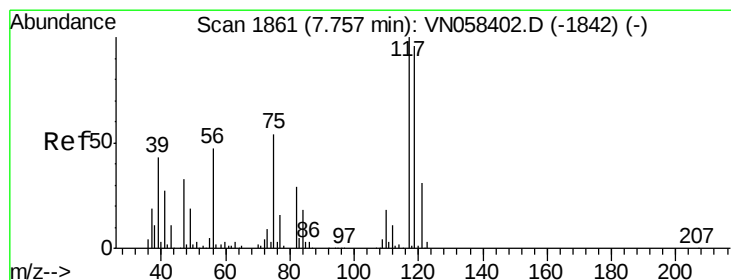
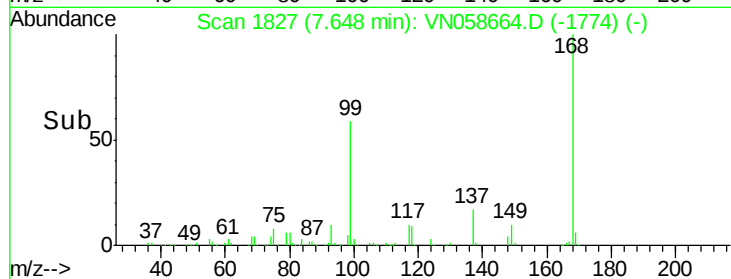
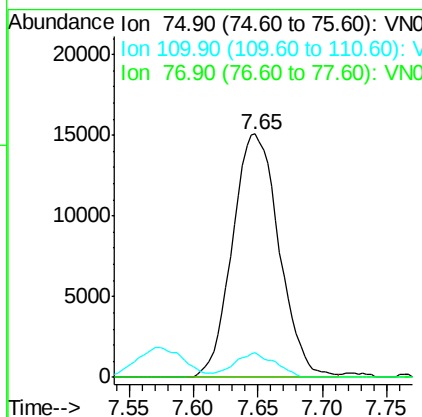
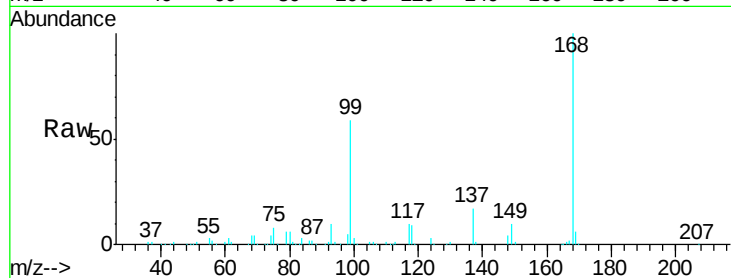




#36
 1,1-Dichloropropene
 Concen: 5.471 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058664.D
 Acq: 10 Oct 2019 00:18

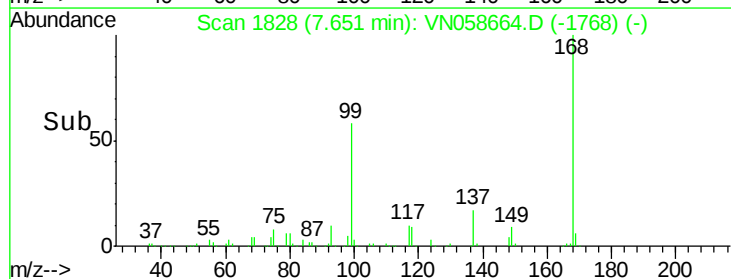
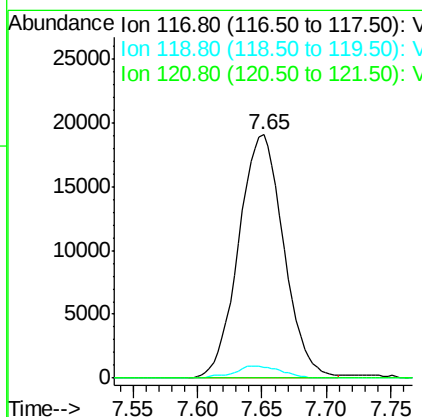
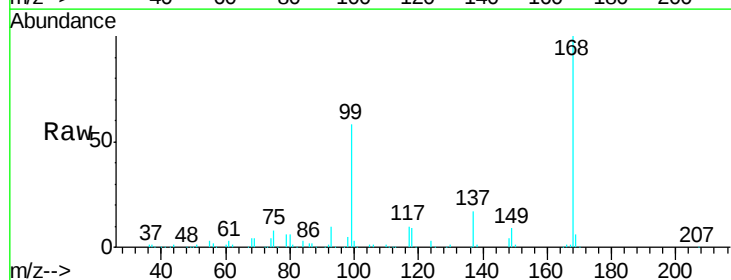
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0552

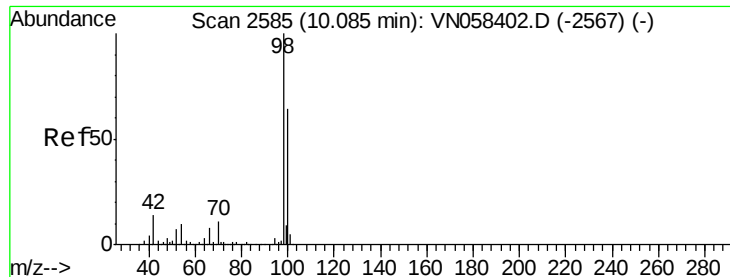
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.404 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058664.D
 Acq: 10 Oct 2019 00:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.319 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

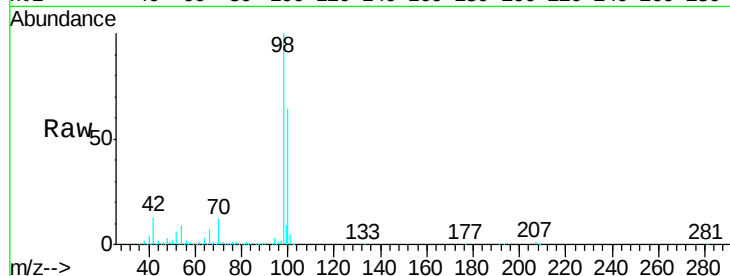
S49-0552

Tgt Ion: 98 Resp: 912206

Ion Ratio Lower Upper

98 100

100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.09

500000

400000

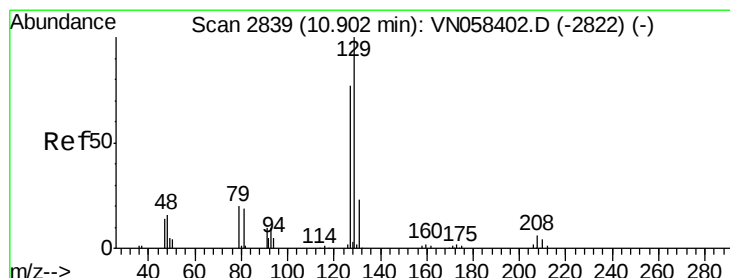
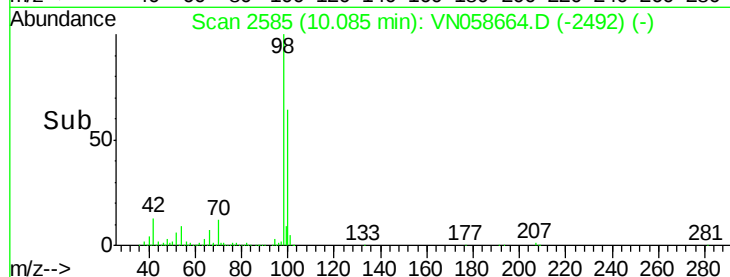
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058664.D

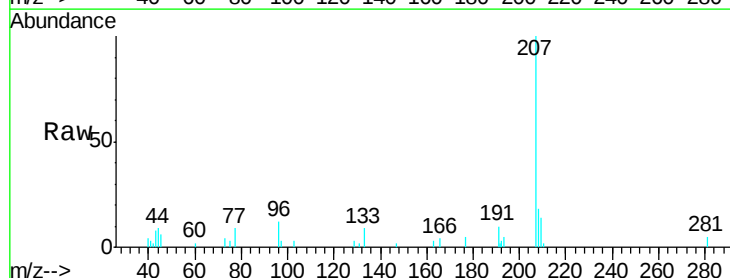
Acq: 10 Oct 2019 00:18

Tgt Ion: 129 Resp: 126

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VN058402.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN058402.D (-2822) (-)

10.63

250

200

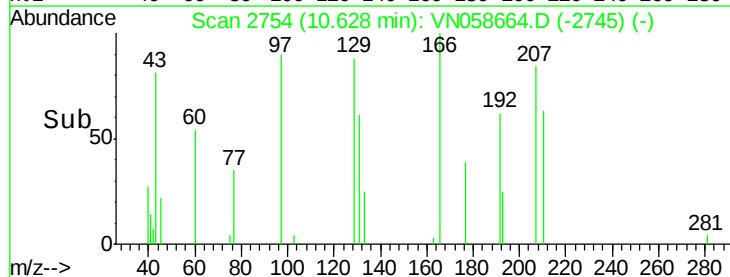
150

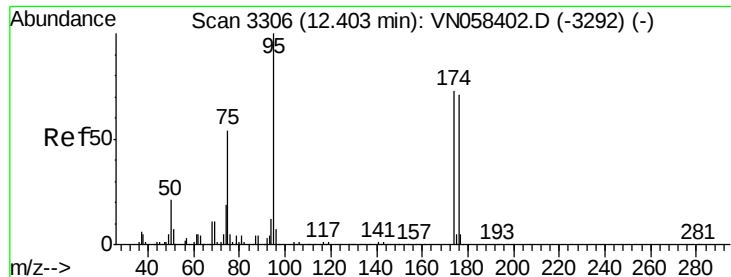
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.412 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

S49-0552

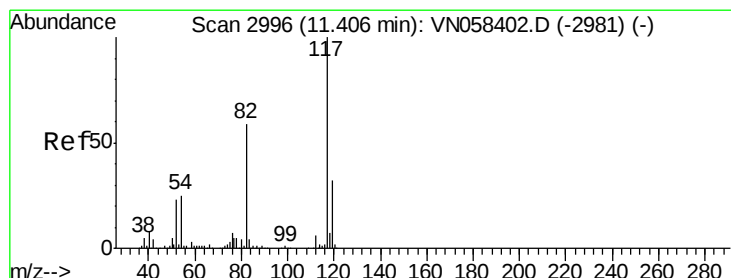
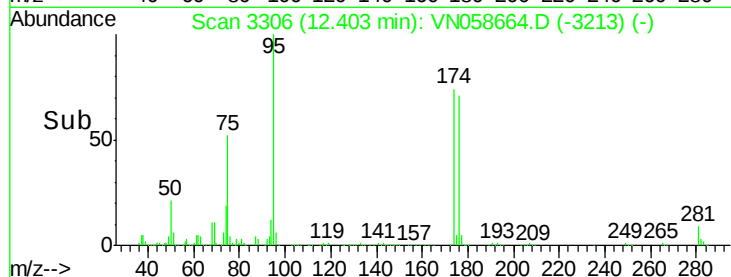
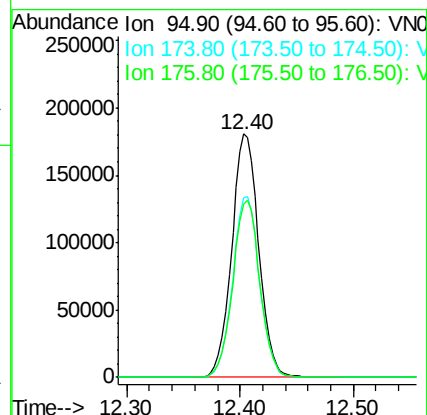
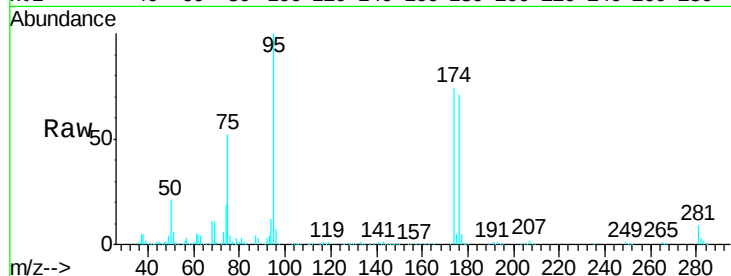
Tgt Ion: 95 Resp: 298899

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.6

176 73.1 0.0 146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

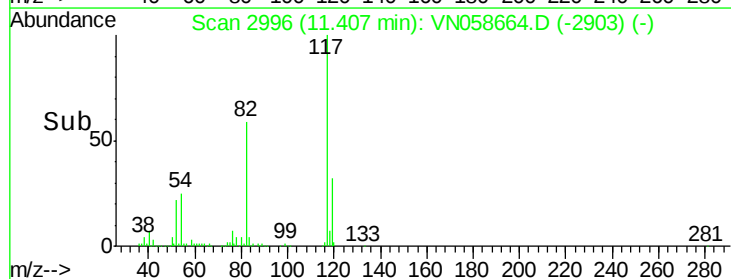
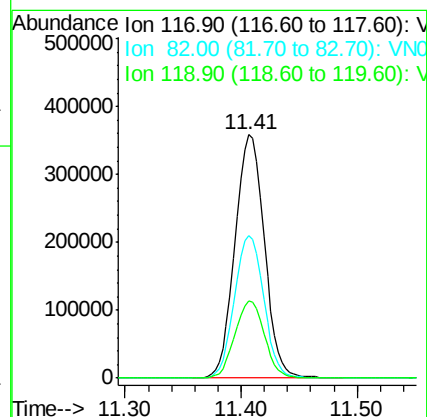
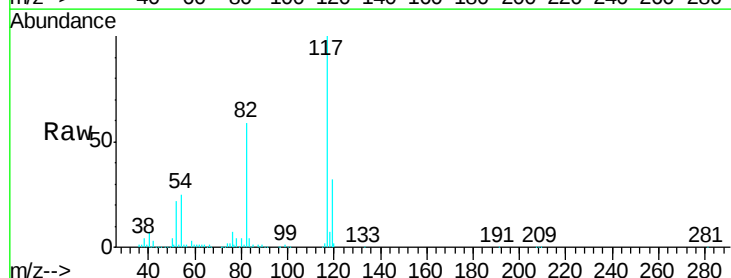
Tgt Ion: 117 Resp: 627433

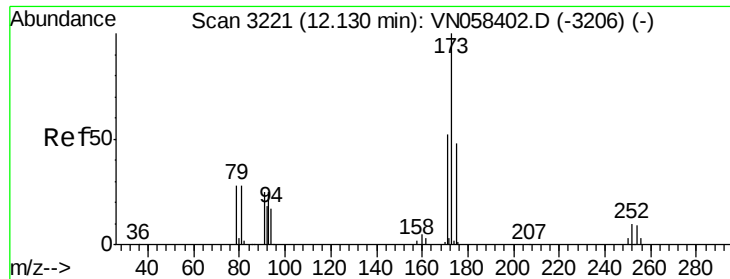
Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

119 31.6 25.5 38.3





#71

Bromoform

Concen: 0.913 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampled :

S49-0552

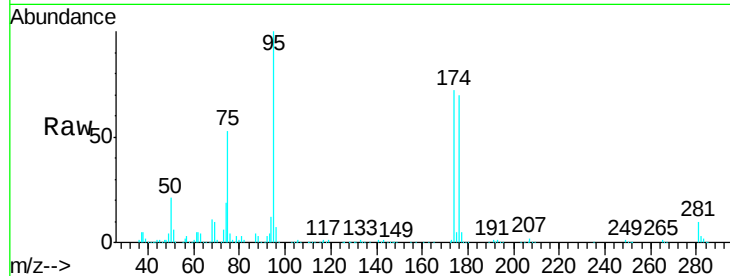
Tgt Ion:173 Resp: 643

Ion Ratio Lower Upper

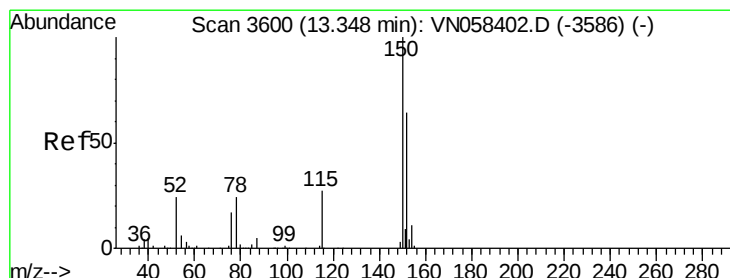
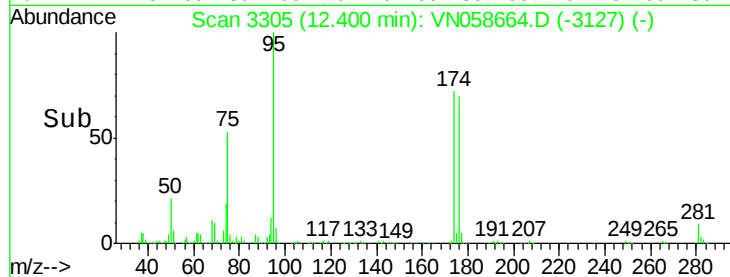
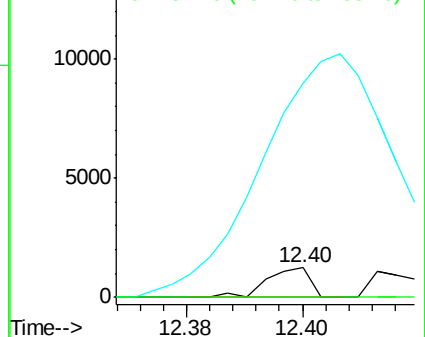
173 100

175 2276.8 24.3 73.0#

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

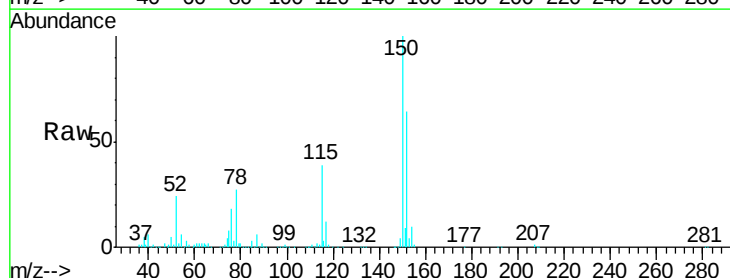
Tgt Ion:152 Resp: 245737

Ion Ratio Lower Upper

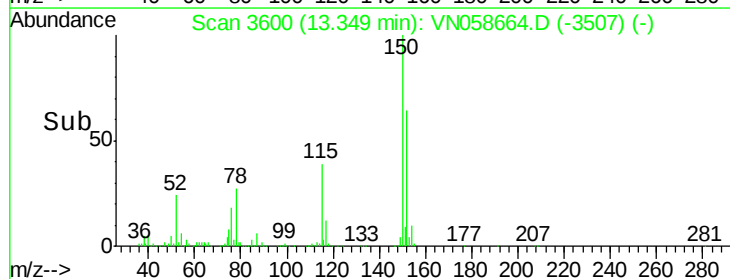
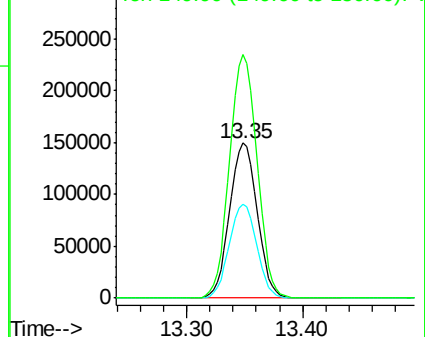
152 100

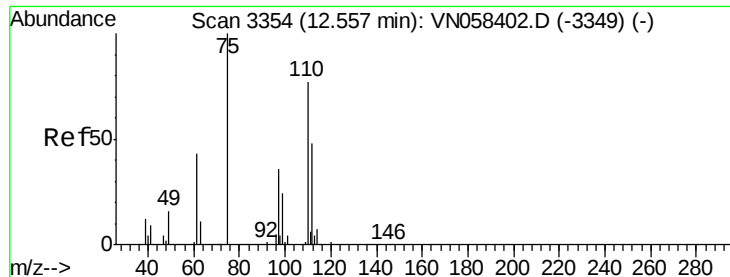
115 60.4 30.0 90.0

150 156.6 0.0 348.2



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: 35.237 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

Instrument :

MSVOA_N

ClientSampled :

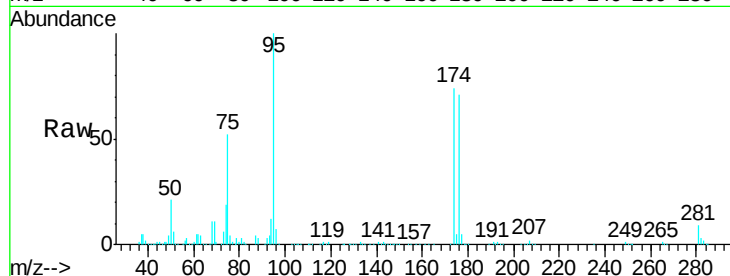
S49-0552

Tgt Ion: 75 Resp: 158157

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

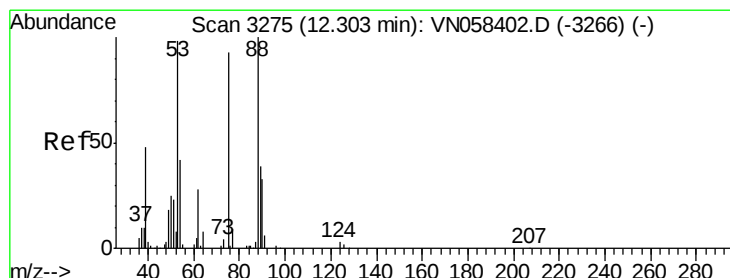
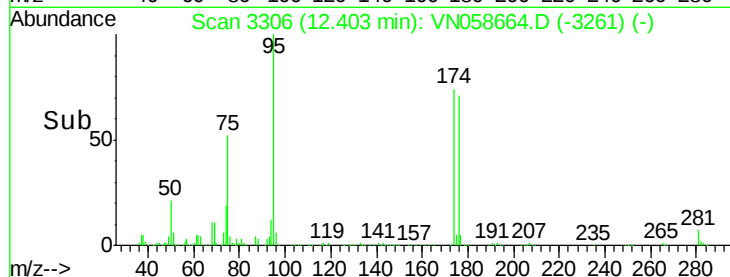
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 107.018 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058664.D

Acq: 10 Oct 2019 00:18

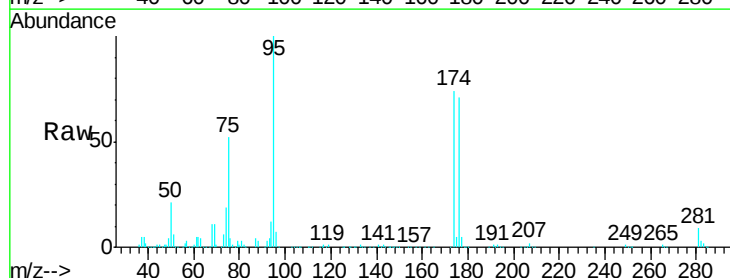
Tgt Ion: 75 Resp: 158157

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



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

12.40

120000

100000

80000

60000

40000

20000

0

Time--> 12.30 12.40 12.50

