

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058663.D
 Acq On : 9 Oct 2019 23:56
 Operator : JC/SP
 Sample : K5261-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0556

Quant Time: Oct 10 04:44:37 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	468843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	742920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	647473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261314	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	335467	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	7.57	113	240855	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	10.08	98	927569	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.40	95	306700	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

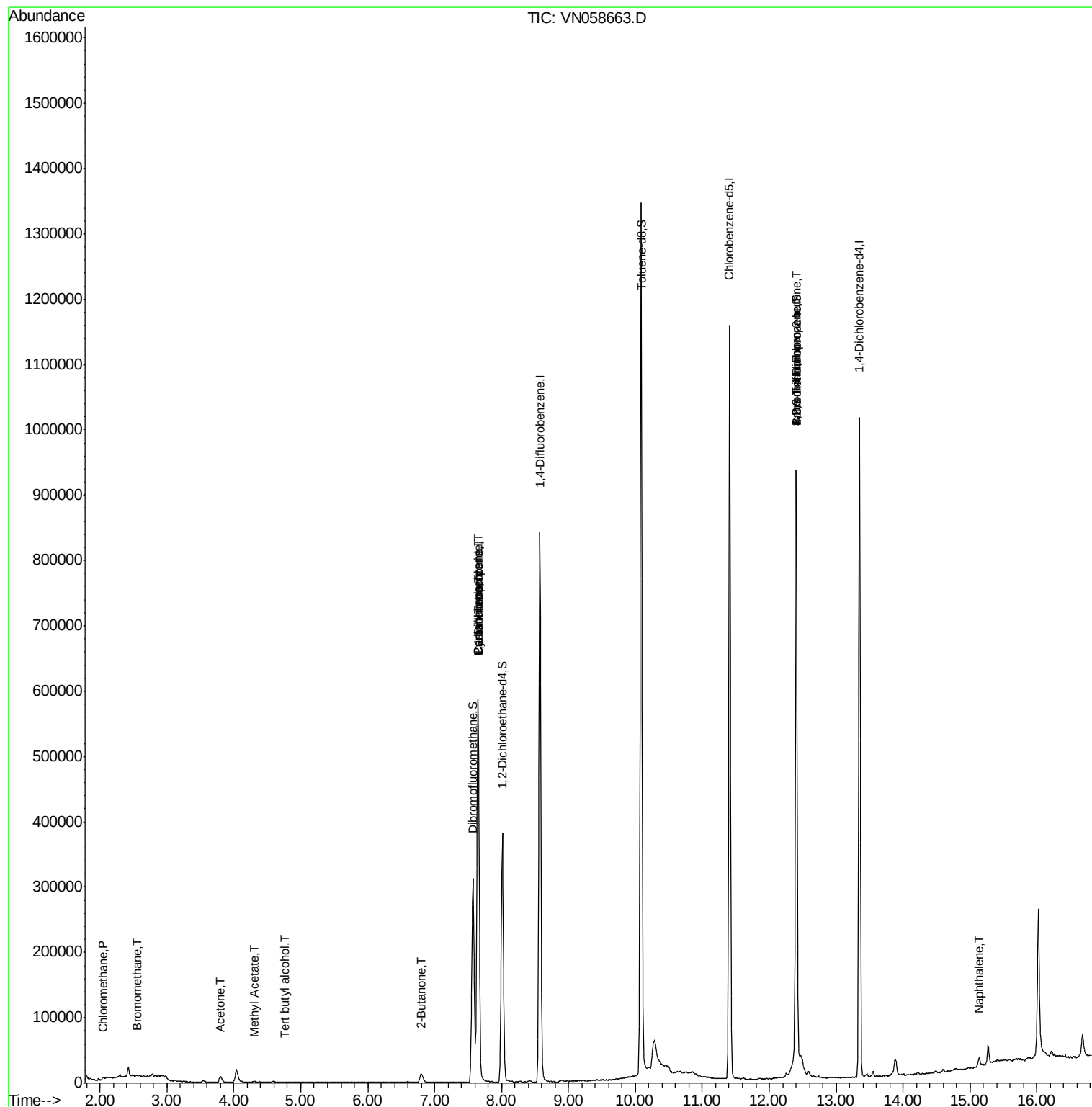
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2614	0.463	ug/l #	87
5) Bromomethane	2.55	94	743	0.253	ug/l #	35
11) Tert butyl alcohol	4.75	59	435	0.572	ug/l #	71
16) Acetone	3.80	43	14969	6.409	ug/l	96
18) Methyl Acetate	4.31	43	2172	0.370	ug/l #	53
25) 2-Butanone	6.81	43	814	0.254	ug/l #	50
31) Cyclohexane	7.65	56	10140	1.069	ug/l #	17
36) 1,1-Dichloropropene	7.65	75	38425	5.409	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45897	7.158	ug/l #	16
71) Bromoform	12.41	173	1720	1.261	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	163839	34.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163839	104.255	ug/l #	7
95) Naphthalene	15.14	128	5767	0.423	ug/l #	91

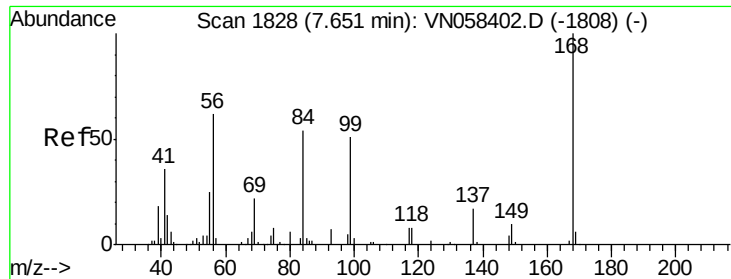
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
Data File : VN058663.D
Acq On : 9 Oct 2019 23:56
Operator : JC/SP
Sample : K5261-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S49-0556

Quant Time: Oct 10 04:44:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 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: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

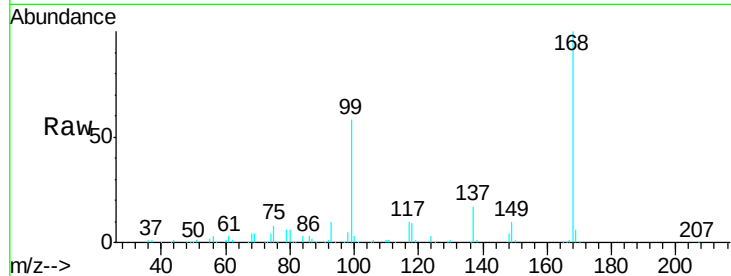
S49-0556

Tgt Ion:168 Resp: 468843

Ion Ratio Lower Upper

168 100

99 58.0 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

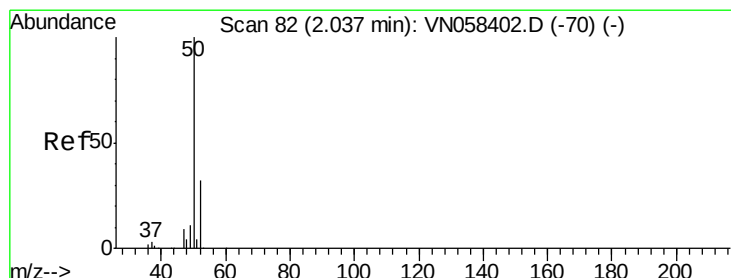
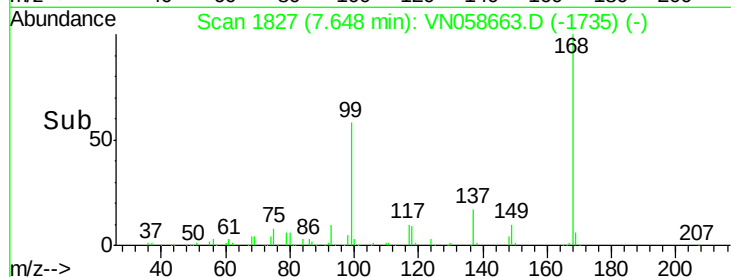
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.463 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058663.D

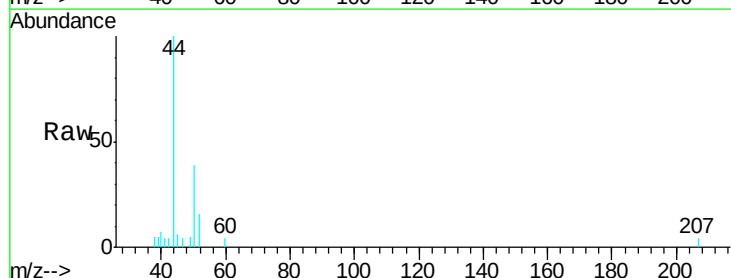
Acq: 9 Oct 2019 23:56

Tgt Ion: 50 Resp: 2614

Ion Ratio Lower Upper

50 100

52 39.5 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

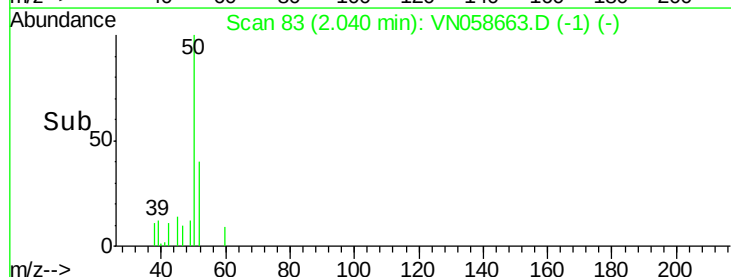
1000

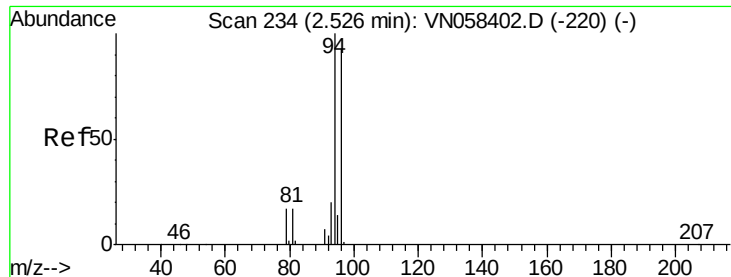
500

0

2.00 2.05

Time-->





#5

Bromomethane

Concen: 0.253 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

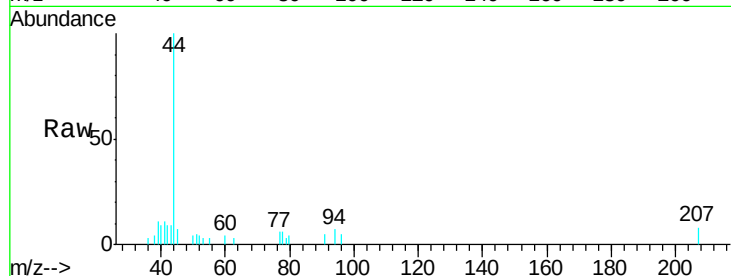
S49-0556

Tgt Ion: 94 Resp: 743

Ion Ratio Lower Upper

94 100

96 31.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

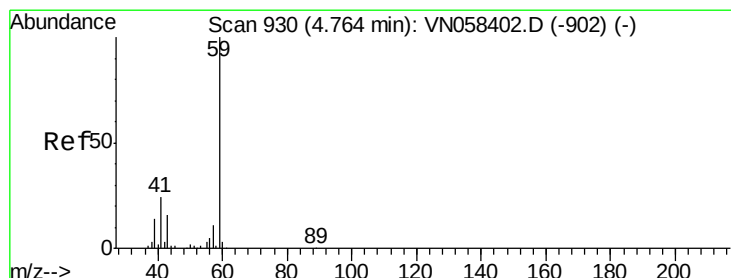
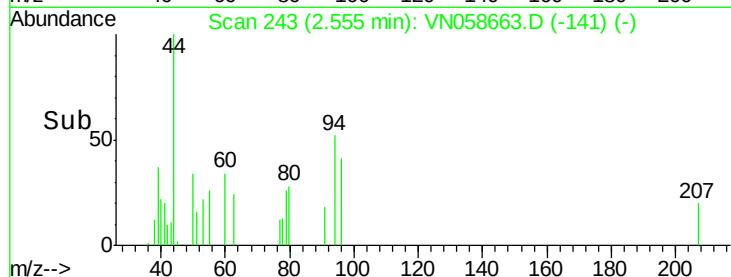
300

200

100

0

Time--> 2.50 2.52 2.54 2.56 2.58



#11

Tert butyl alcohol

Concen: 0.572 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058663.D

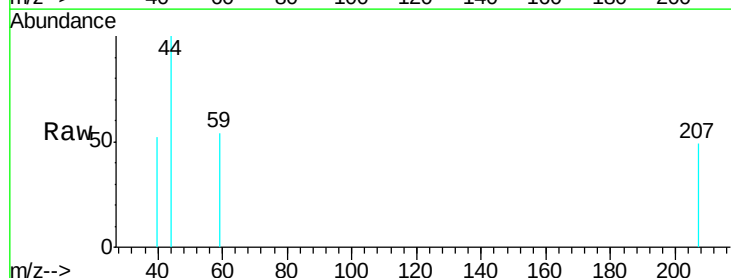
Acq: 9 Oct 2019 23:56

Tgt Ion: 59 Resp: 435

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

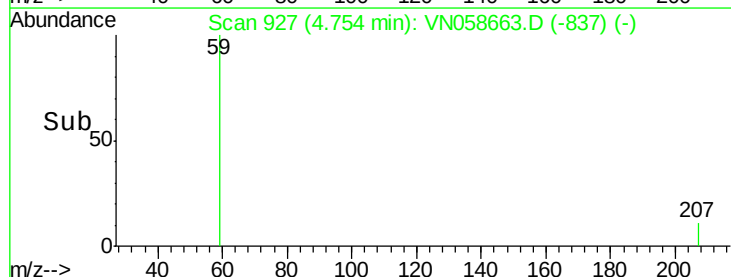
300

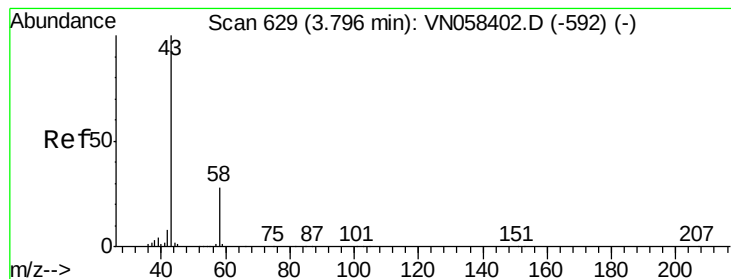
200

100

0

Time--> 4.74 4.76 4.78





#16

Acetone

Concen: 6.409 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

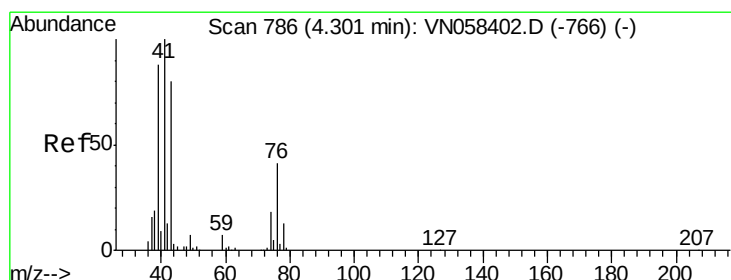
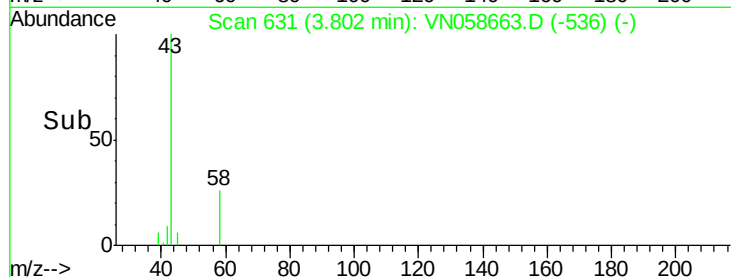
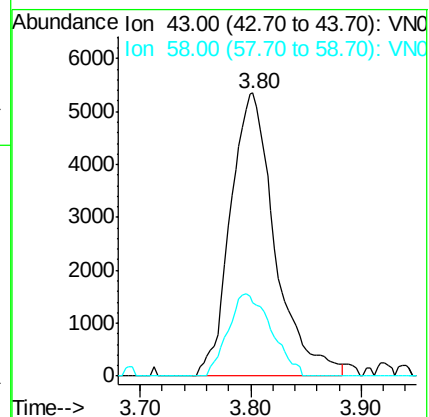
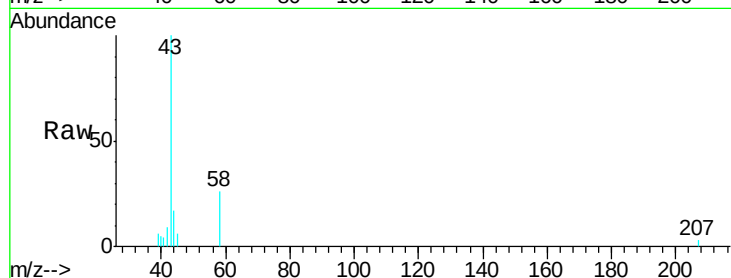
S49-0556

Tgt Ion: 43 Resp: 14969

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6



#18

Methyl Acetate

Concen: 0.370 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN058663.D

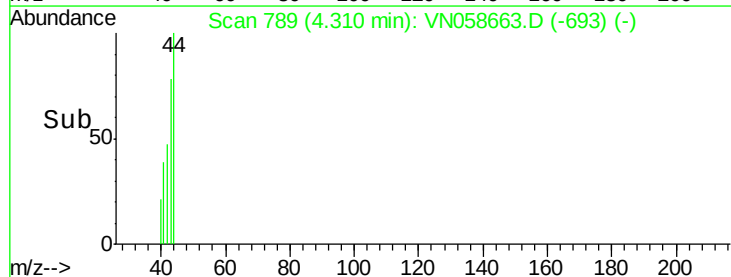
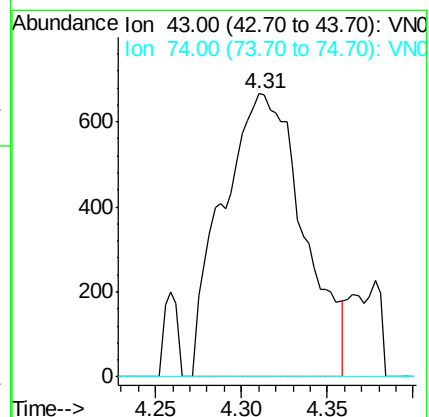
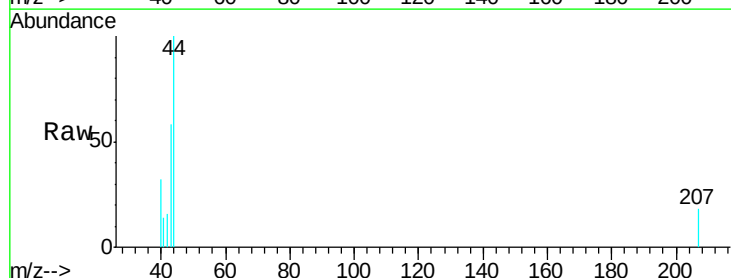
Acq: 9 Oct 2019 23:56

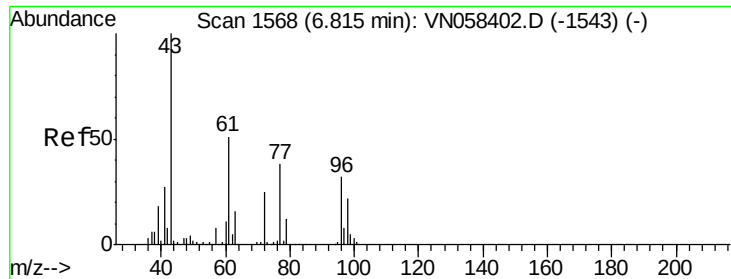
Tgt Ion: 43 Resp: 2172

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#





#25

2-Butanone

Concen: 0.254 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

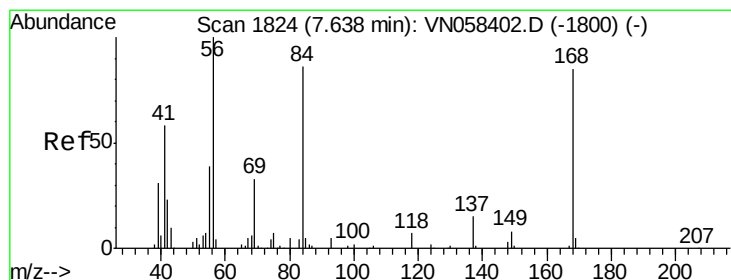
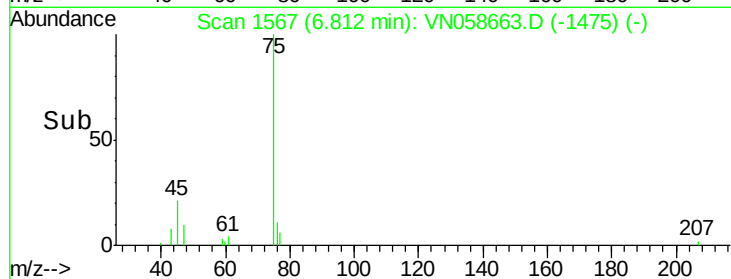
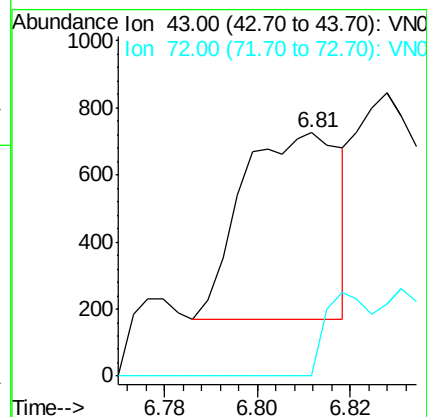
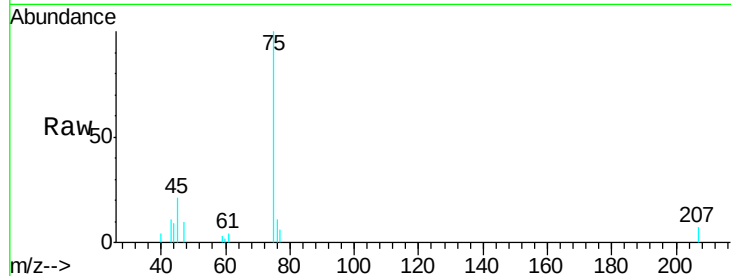
S49-0556

Tgt Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

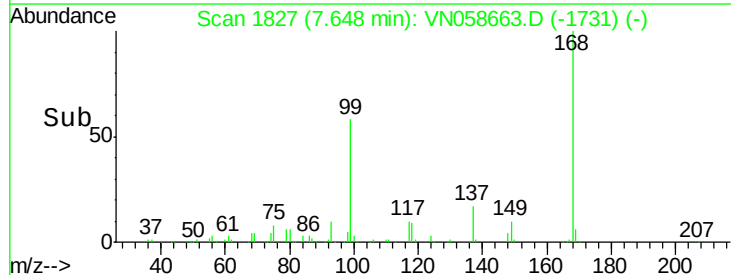
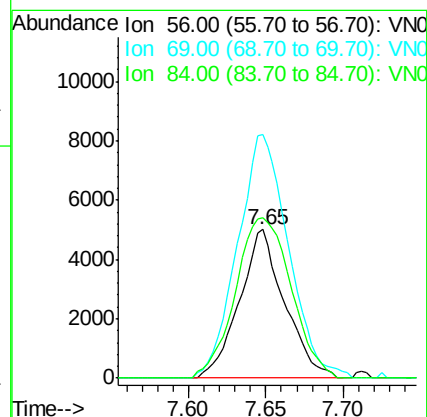
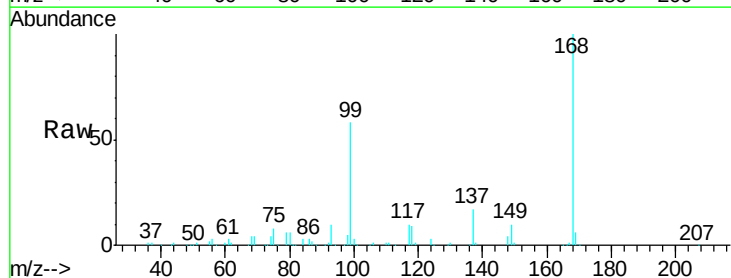
Tgt Ion: 56 Resp: 10140

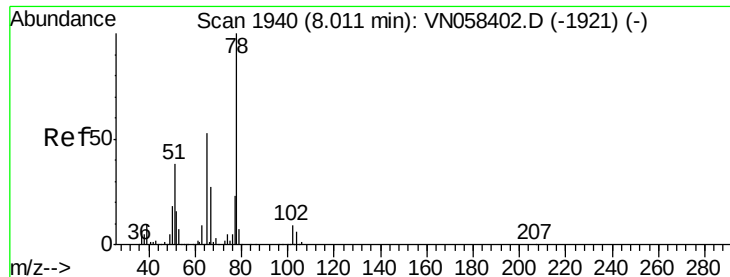
Ion Ratio Lower Upper

56 100

69 163.8 26.2 39.4#

84 107.7 67.6 101.4#

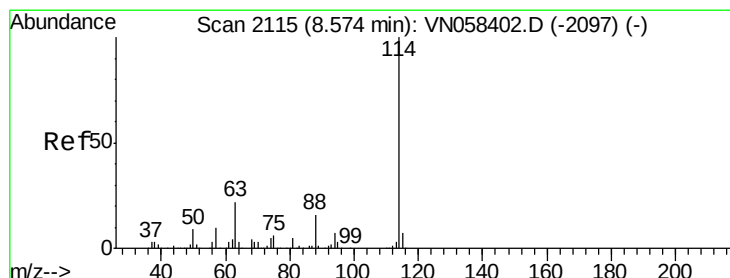
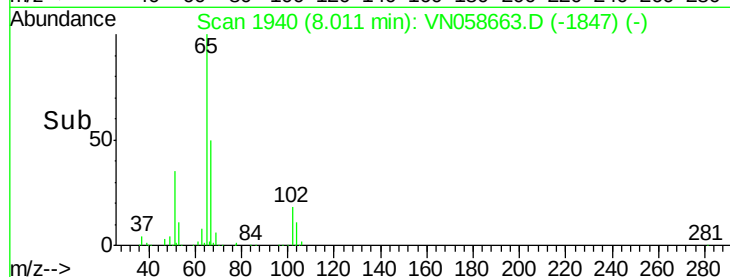
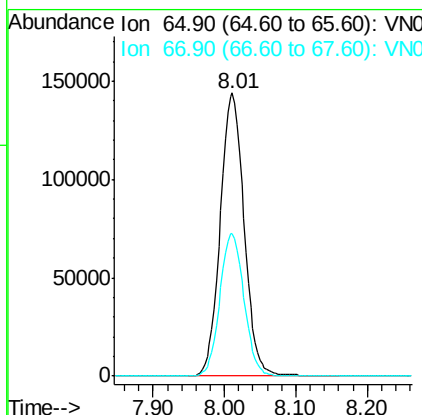
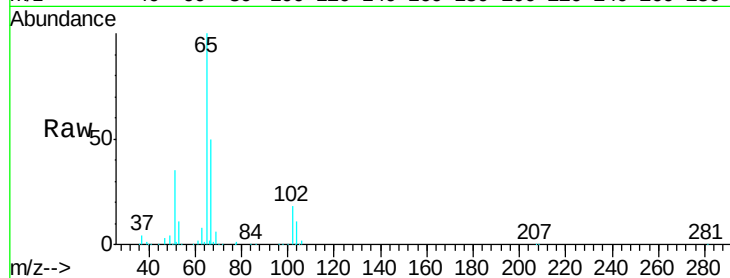




#33
 1,2-Dichloroethane-d4
 Concen: 48.963 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058663.D
 Acq: 9 Oct 2019 23:56

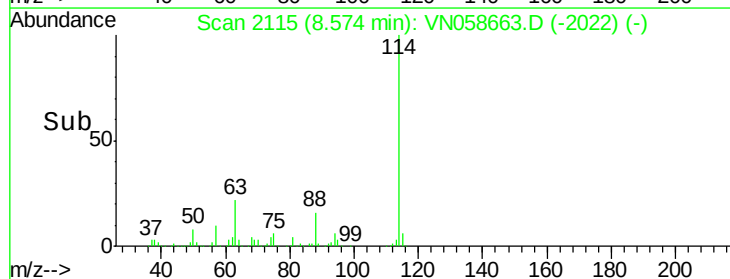
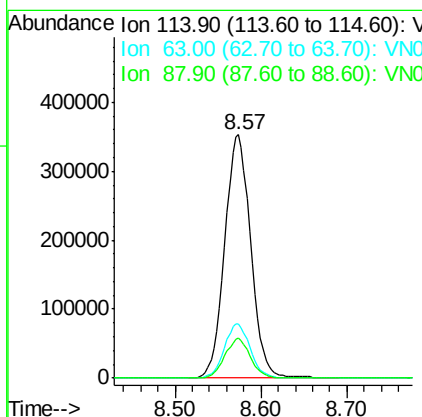
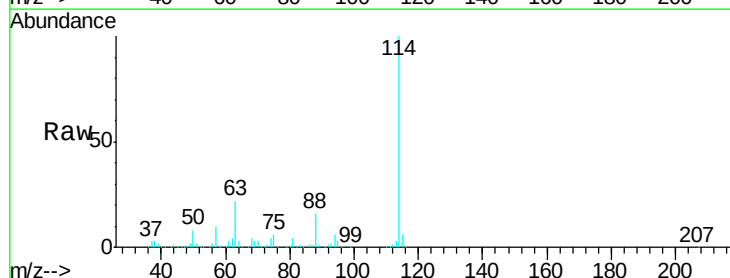
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0556

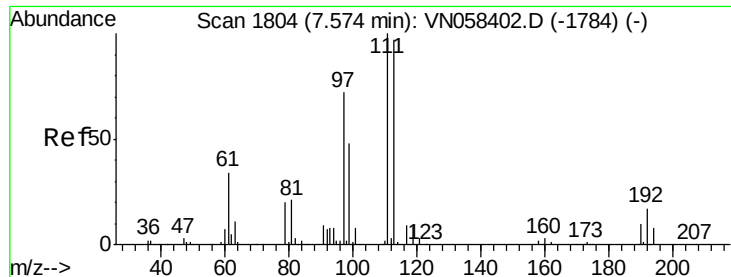
Tgt Ion: 65 Resp: 335467
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058663.D
 Acq: 9 Oct 2019 23:56

Tgt Ion: 114 Resp: 742920
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.2 0.0 32.2

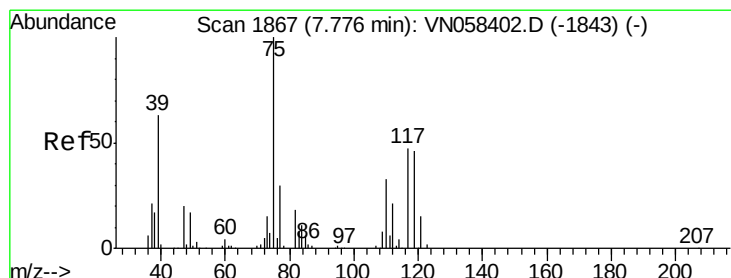
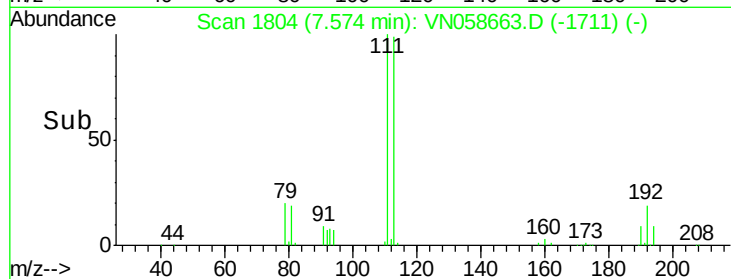
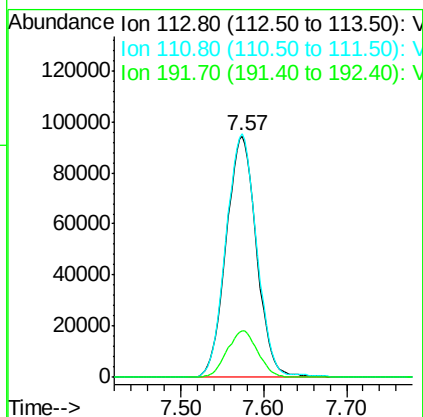
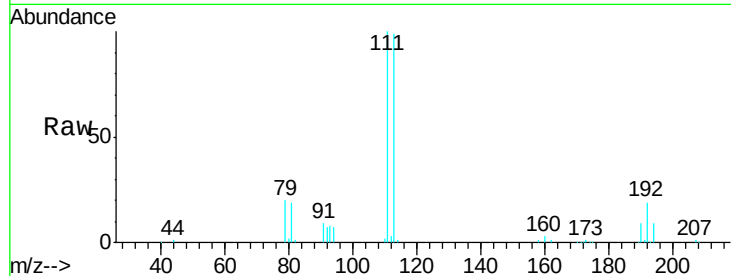




#35
 Dibromofluoromethane
 Concen: 52.897 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058663.D
 Acq: 9 Oct 2019 23:56

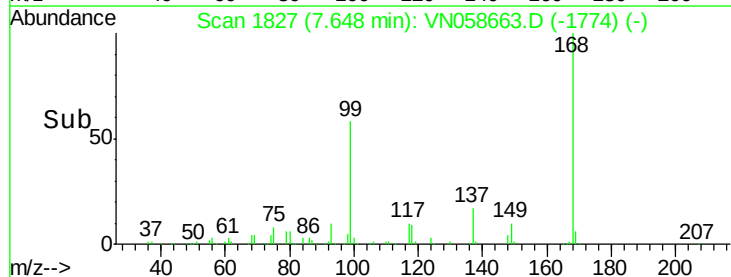
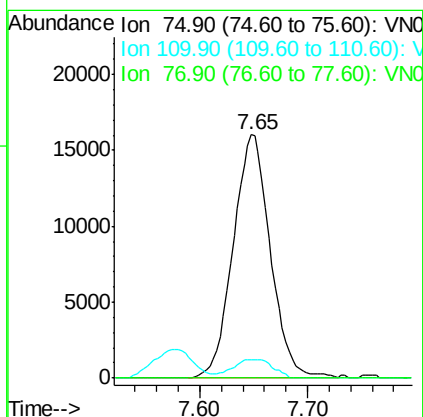
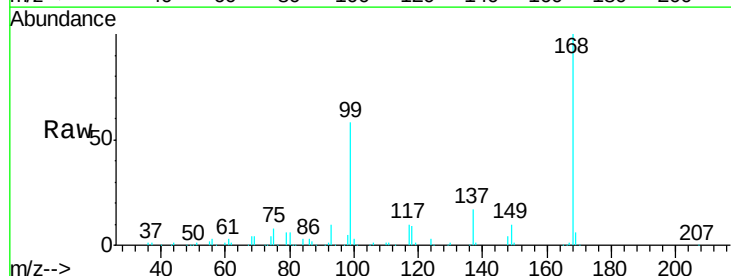
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0556

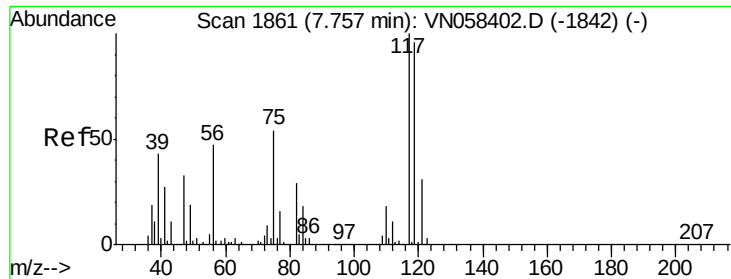
Tgt Ion: 113 Resp: 240855
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.4 125.2
 192 19.6 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.409 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058663.D
 Acq: 9 Oct 2019 23:56

Tgt Ion: 75 Resp: 38425
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.4 49.2#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.158 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

S49-0556

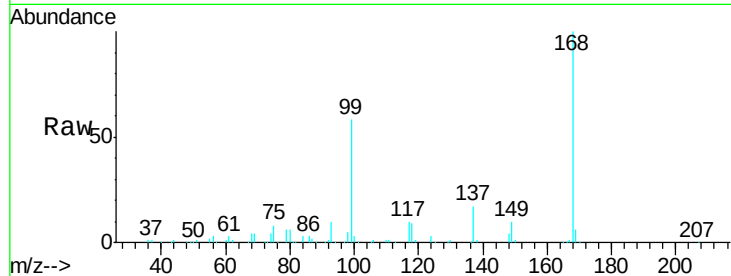
Tgt Ion:117 Resp: 45897

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

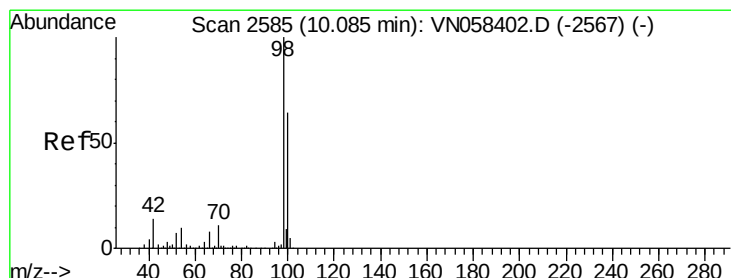
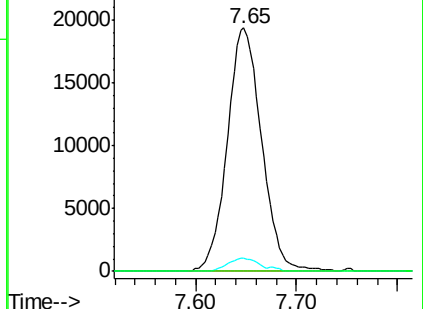
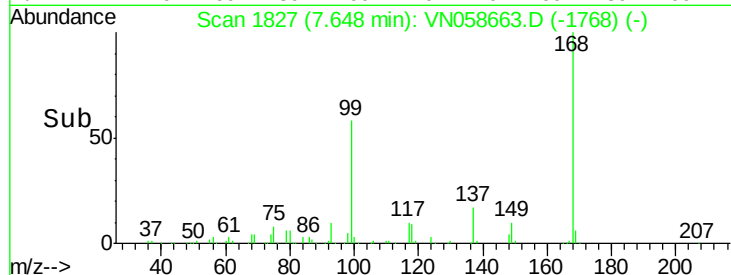
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 52.002 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058663.D

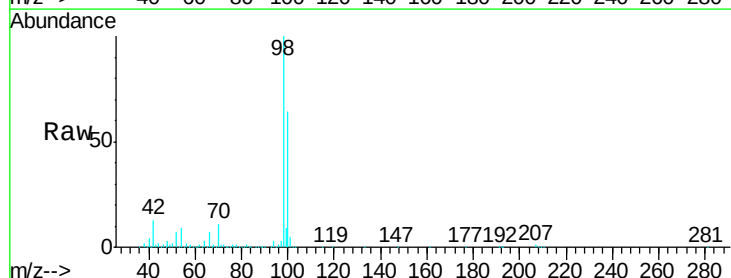
Acq: 9 Oct 2019 23:56

Tgt Ion: 98 Resp: 927569

Ion Ratio Lower Upper

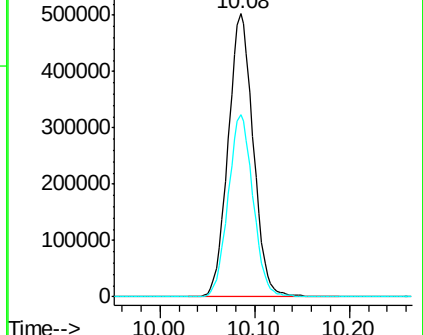
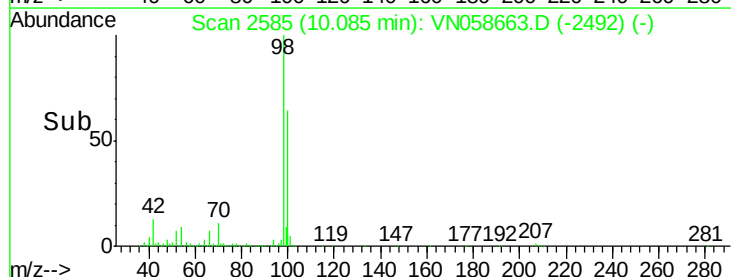
98 100

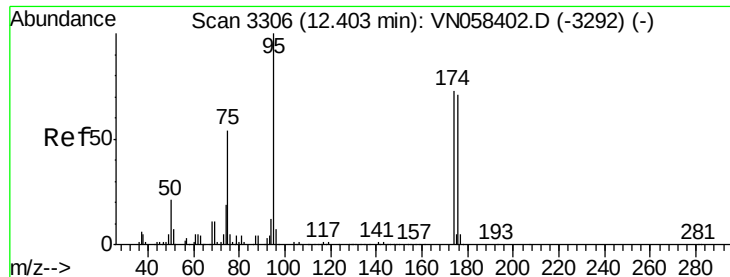
100 64.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.554 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

S49-0556

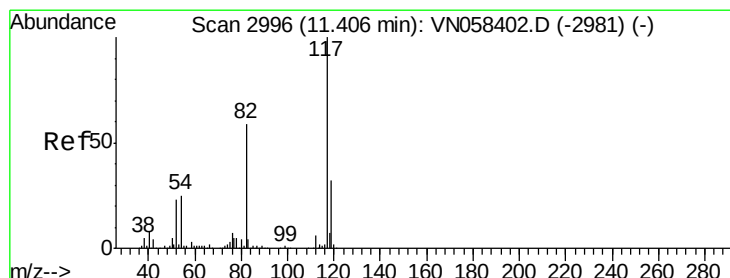
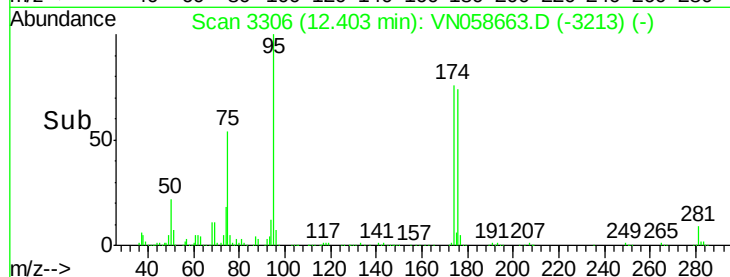
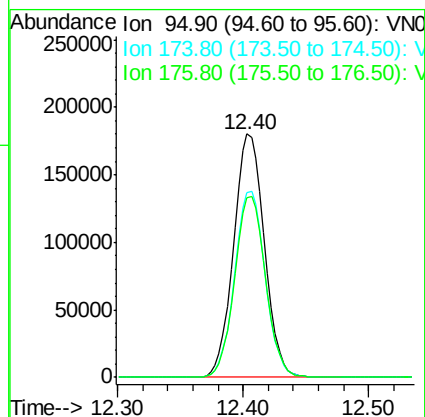
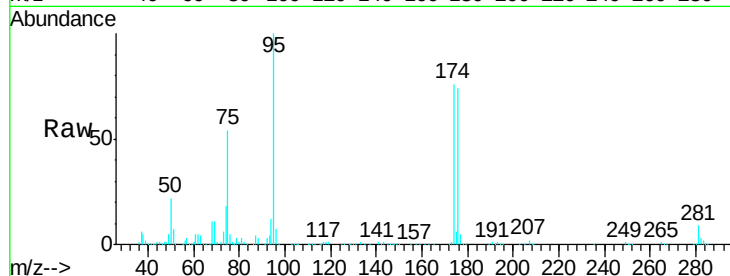
Tgt Ion: 95 Resp: 306700

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.6

176 74.7 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: VN058663.D

Acq: 9 Oct 2019 23:56

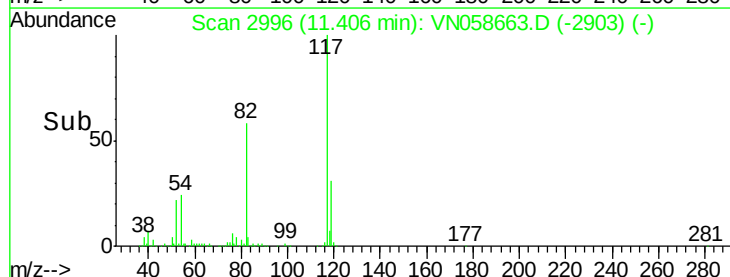
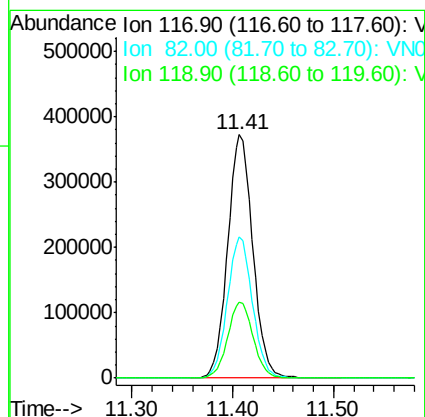
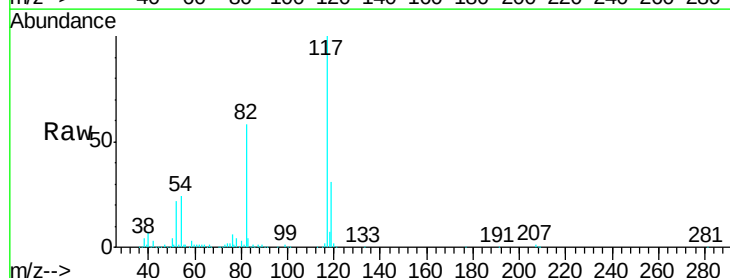
Tgt Ion: 117 Resp: 647473

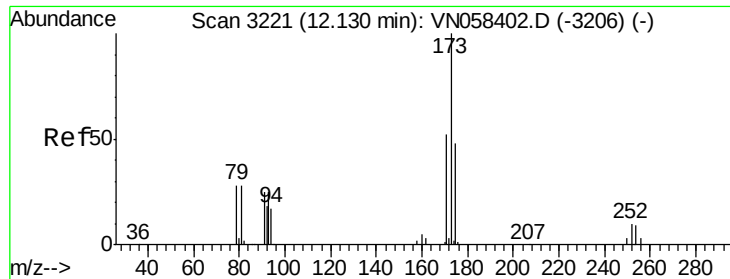
Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.0

119 31.3 25.5 38.3





#71

Bromoform

Concen: 1.261 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

S49-0556

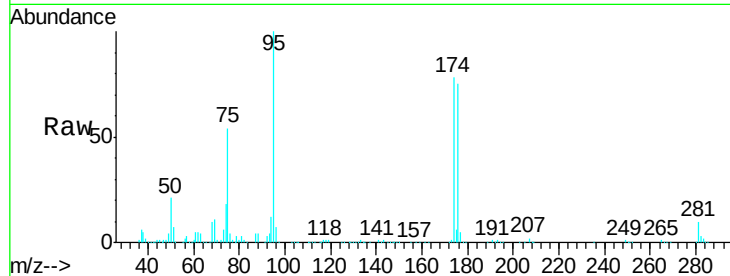
Tgt Ion:173 Resp: 1720

Ion Ratio Lower Upper

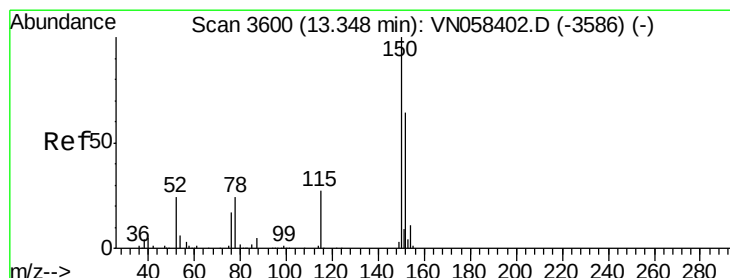
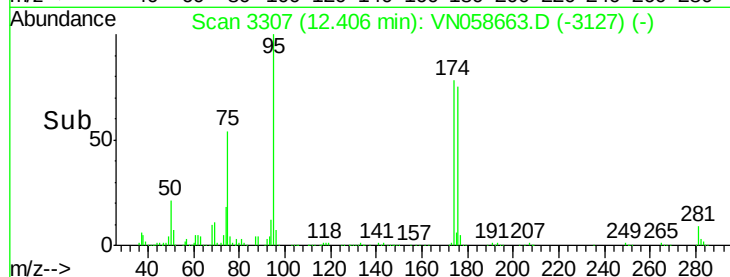
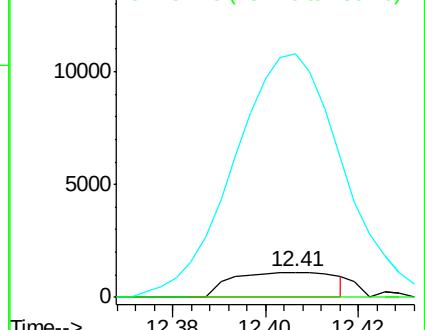
173 100

175 900.2 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: VN058663.D

Acq: 9 Oct 2019 23:56

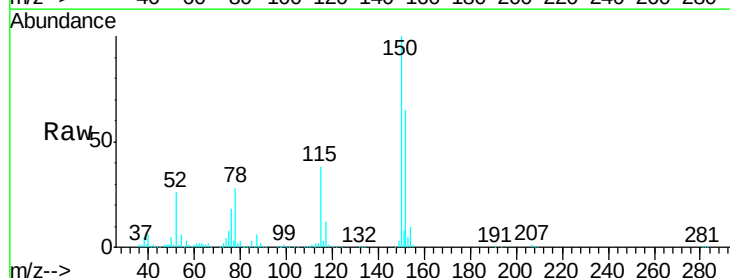
Tgt Ion:152 Resp: 261314

Ion Ratio Lower Upper

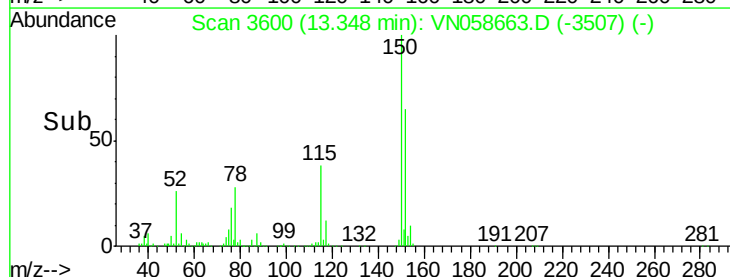
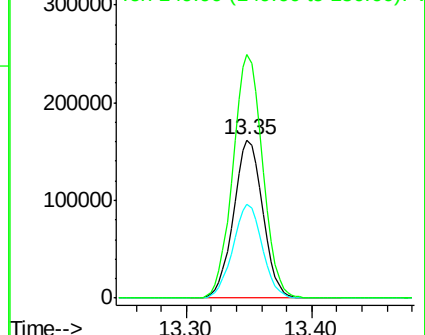
152 100

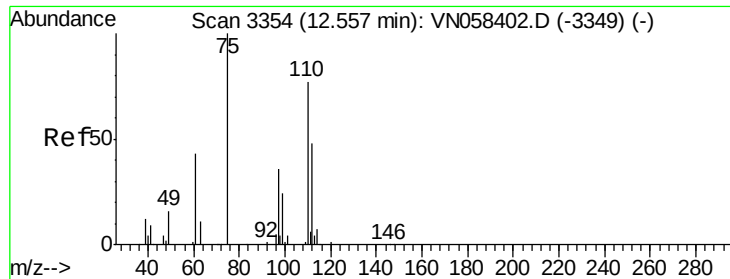
115 59.7 30.0 90.0

150 156.8 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: 34.327 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

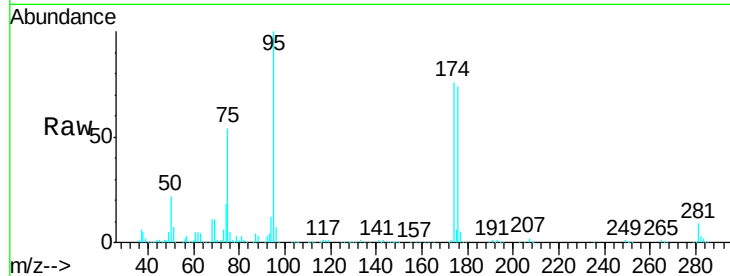
S49-0556

Tgt Ion: 75 Resp: 163839

Ion Ratio Lower Upper

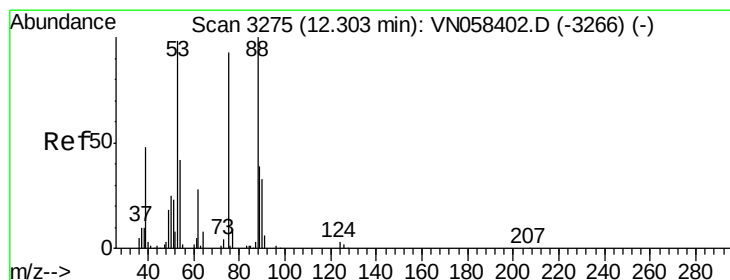
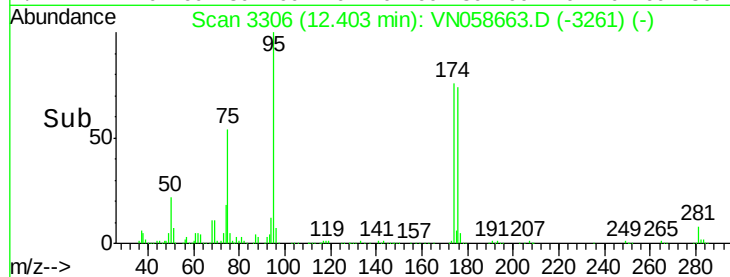
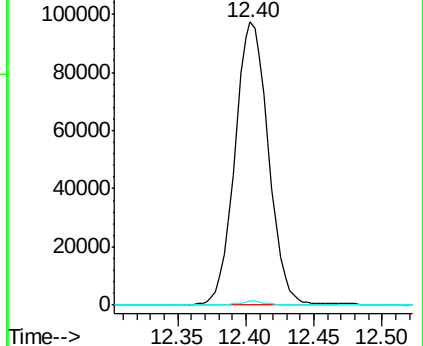
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 104.255 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

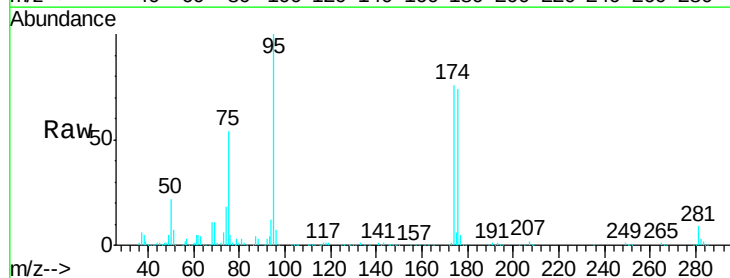
Tgt Ion: 75 Resp: 163839

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

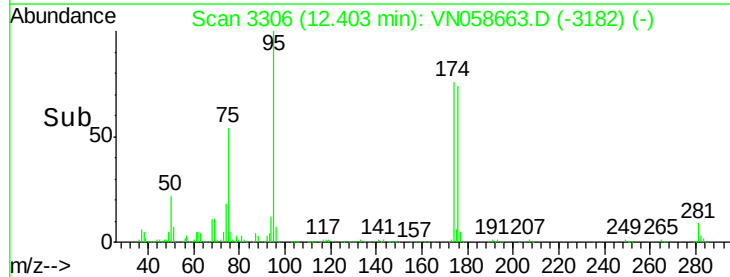
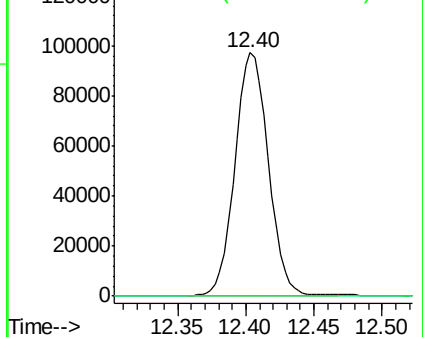
89 0.1 35.0 52.4#

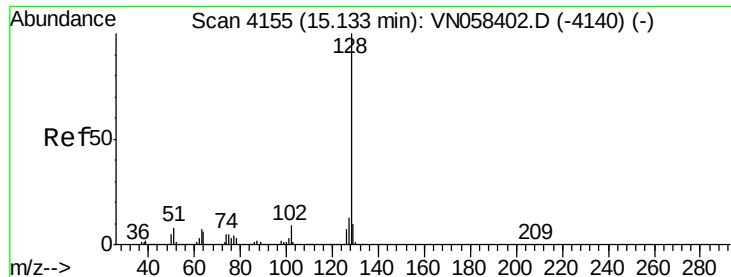


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

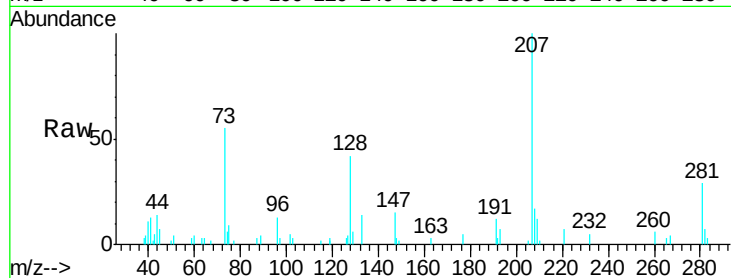




#95
Naphthalene
Concen: 0.423 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058663.D
Acq: 9 Oct 2019 23:56

Instrument :
MSVOA_N
ClientSampleId :
S49-0556

Tgt Ion:128 Resp: 5767
Ion Ratio Lower Upper
128 100
127 7.2 10.2 15.4#
129 11.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

