

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060525.D
 Acq On : 16 Mar 2020 16:00
 Operator : JC/MD
 Sample : L1942-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10-DA

Quant Time: Mar 17 08:45:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	326001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	136710	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	102770	63.56	ug/l	0.00
Spiked Amount			Recovery	=	127.12%	
50) Toluene-d8	10.08	98	430433	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.40	95	160935	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	

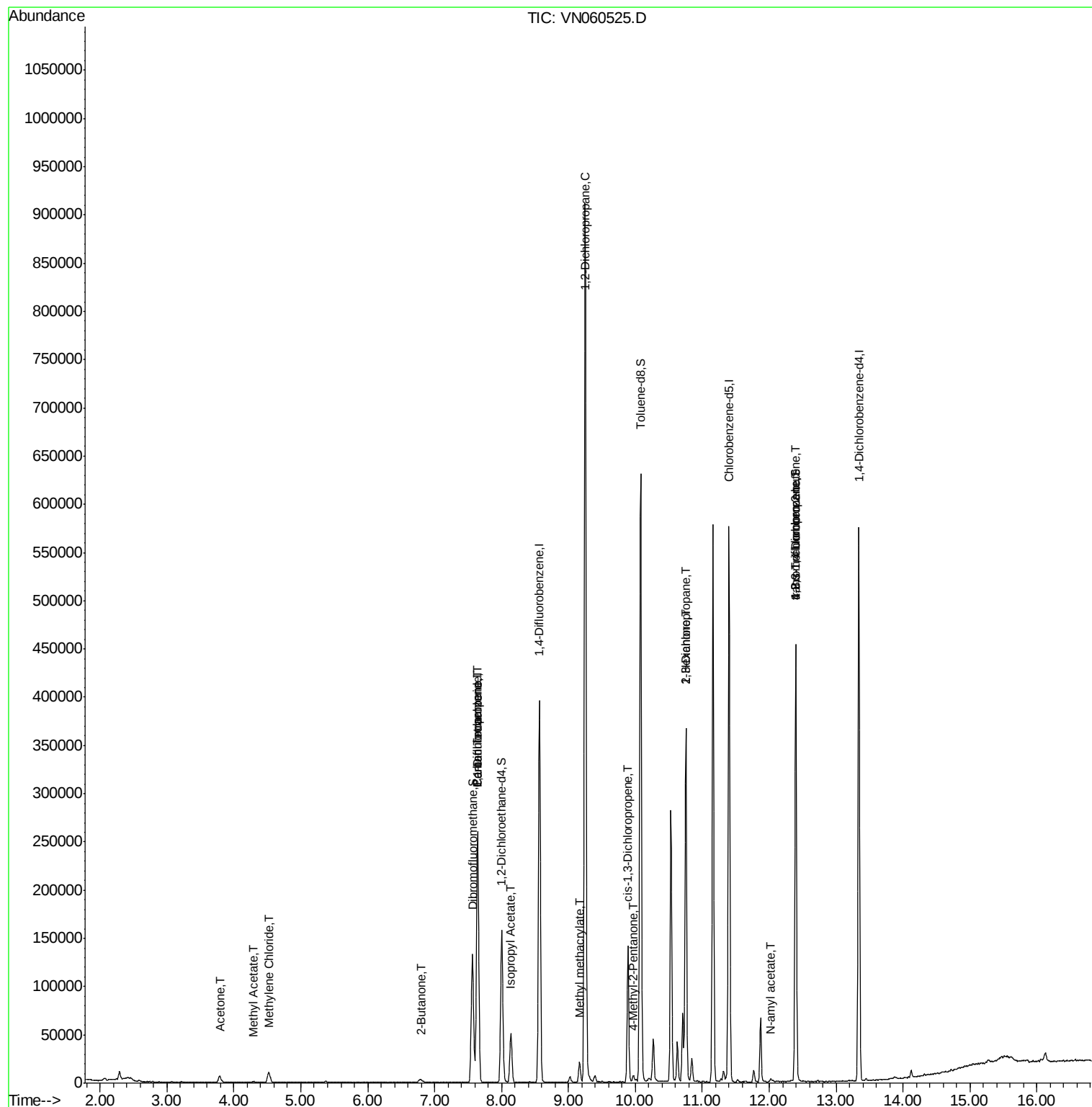
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12781	14.551	ug/l	95
18) Methyl Acetate	4.29	43	1003	0.342	ug/l #	71
20) Methylene Chloride	4.53	84	8245	3.418	ug/l	97
25) 2-Butanone	6.80	43	2955	2.083	ug/l #	87
31) Cyclohexane	7.64	56	4296	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16304	4.911	ug/l #	49
38) Carbon Tetrachloride	7.64	117	20184	6.244	ug/l #	15
43) Isopropyl Acetate	8.14	43	61295	11.137	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1160	0.459	ug/l #	44
48) Methyl methacrylate	9.16	41	3321	1.323	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5152	1.651	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	25351	5.988	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3614	0.908	ug/l #	42
59) 2-Hexanone	10.75	43	55525	24.235	ug/l #	53
74) N-amyl acetate	12.02	43	3783	0.788	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79949	24.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79949	67.871	ug/l #	8
95) Naphthalene	15.13	128	383	Below Cal	#	69

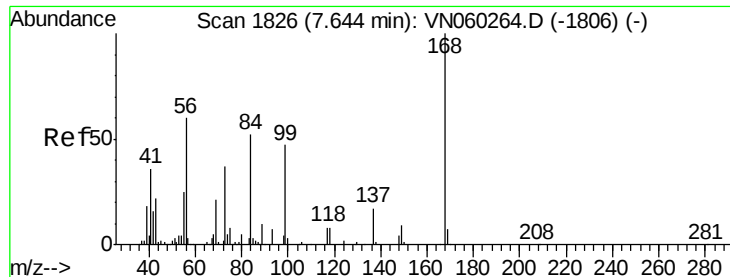
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampled :

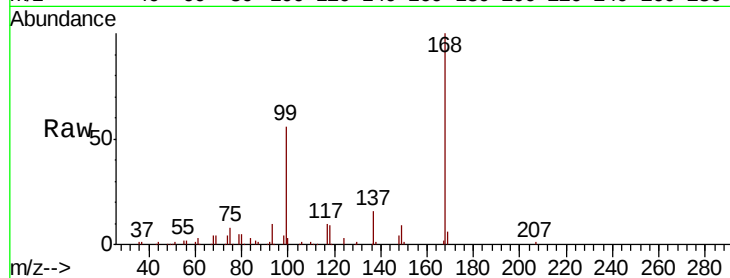
TP-10-DA

Tot Ion:168 Resp: 211996

Ion Ratio Lower Upper

168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

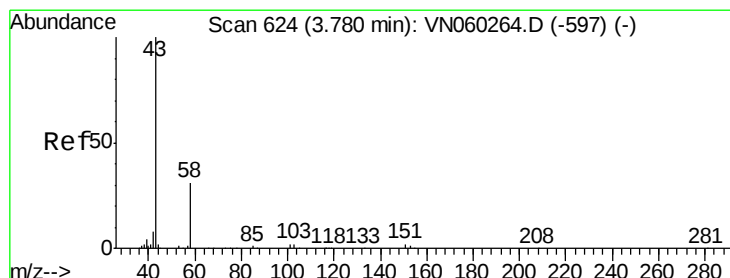
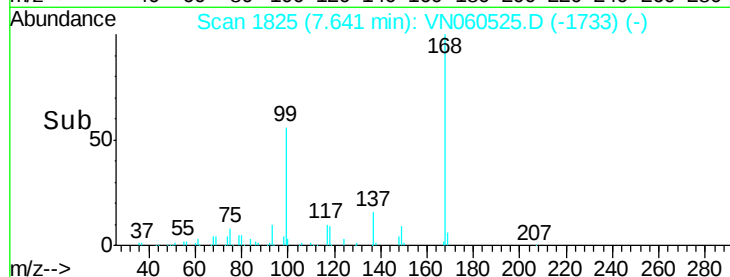
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 14.551 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060525.D

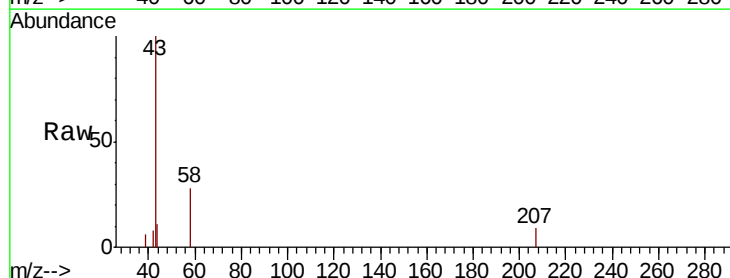
Acq: 16 Mar 2020 16:00

Tgt Ion: 43 Resp: 12781

Ion Ratio Lower Upper

43 100

58 27.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

5000

4000

3000

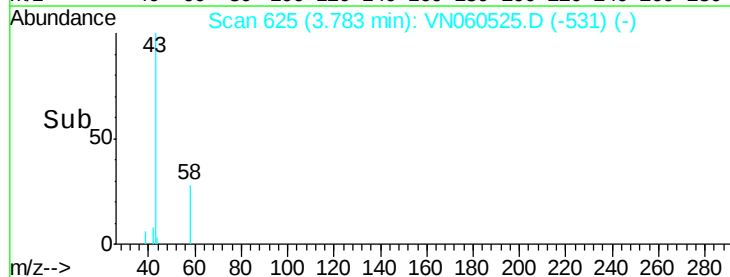
2000

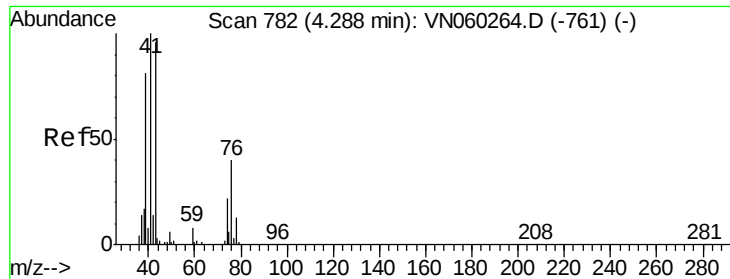
1000

0

3.70 3.80 3.90

Time-->

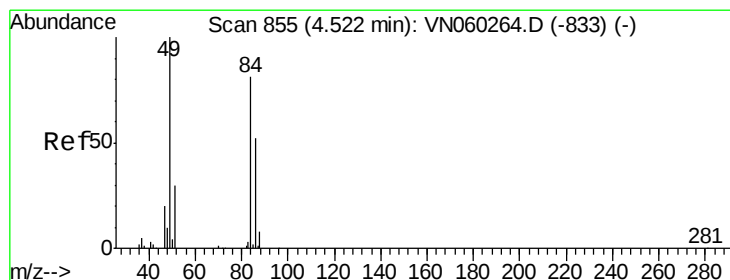
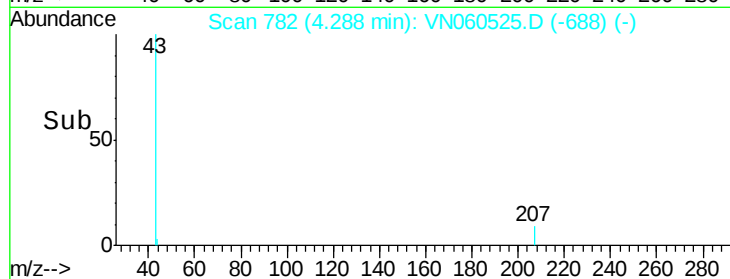
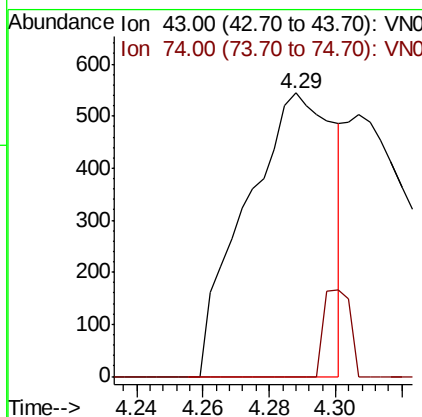
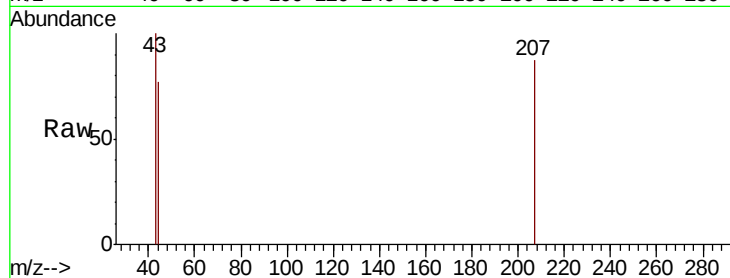




#18
Methvl Acetate
Concen: 0.342 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060525.D
Acq: 16 Mar 2020 16:00

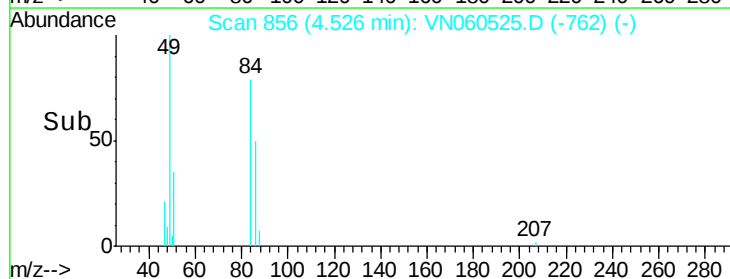
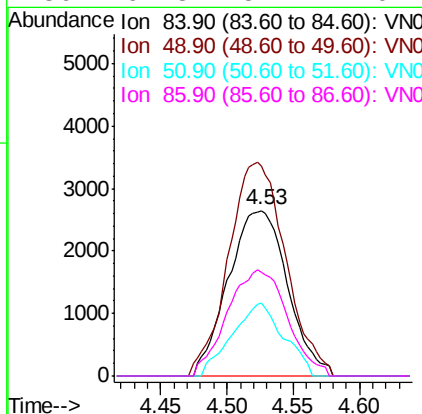
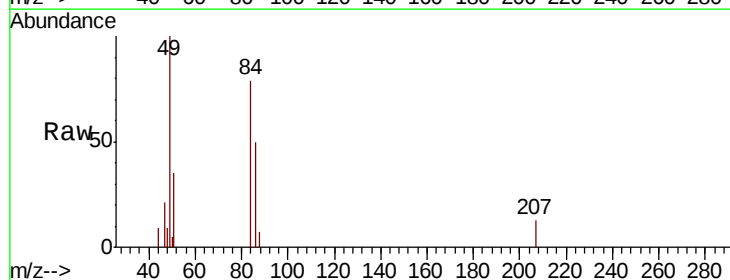
Instrument :
MSVOA_N
ClientSampled :
TP-10-DA

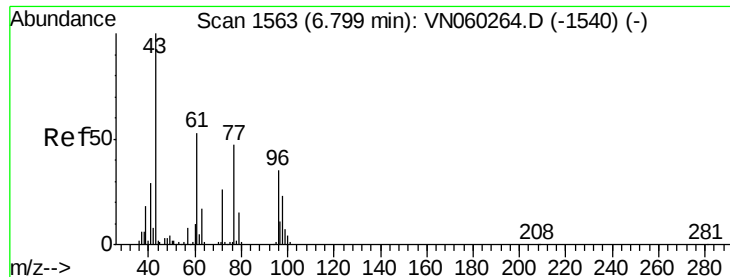
Tot Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
74 9.3 18.8 28.2#



#20
Methylene Chloride
Concen: 3.418 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060525.D
Acq: 16 Mar 2020 16:00

Tgt Ion: 84 Resp: 8245
Ion Ratio Lower Upper
84 100
49 126.5 99.3 148.9
51 43.8 30.1 45.1
86 62.8 51.1 76.7





#25

2-Butanone

Concen: 2.083 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampled :

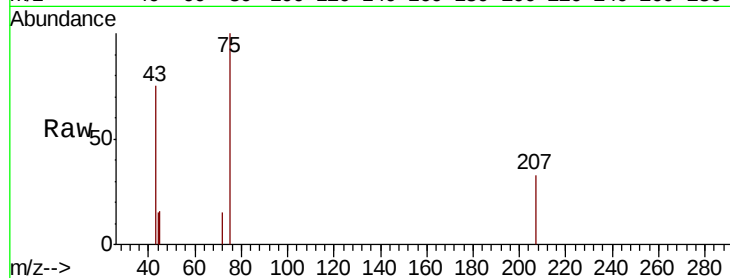
TP-10-DA

Tot Ion: 43 Resp: 2955

Ion Ratio Lower Upper

43 100

72 19.6 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1540) (-)

6.80

800

600

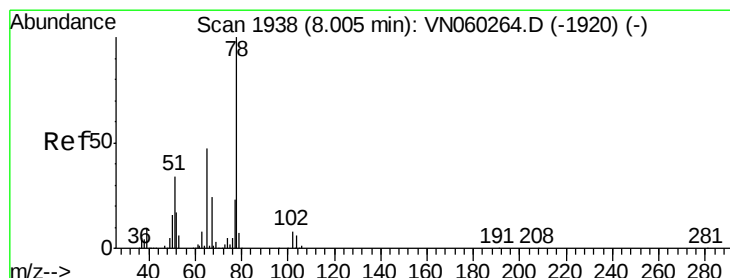
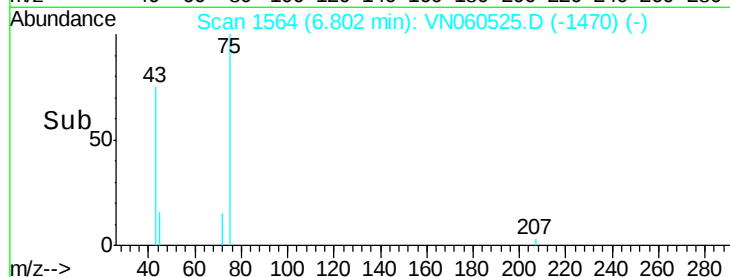
400

200

0

6.75 6.80 6.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060525.D

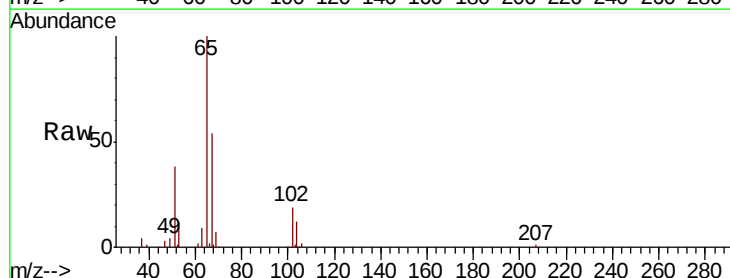
Acq: 16 Mar 2020 16:00

Tgt Ion: 65 Resp: 136710

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

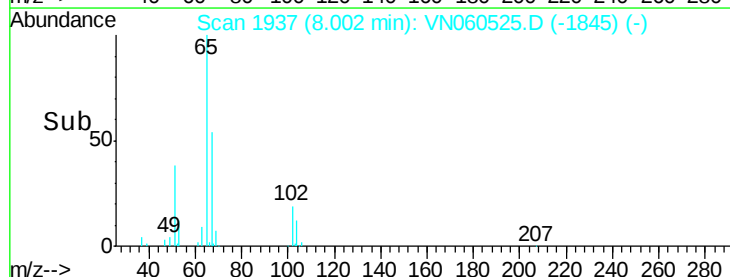
40000

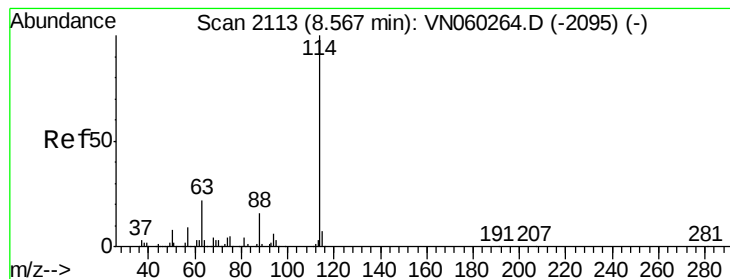
20000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

TP-10-DA

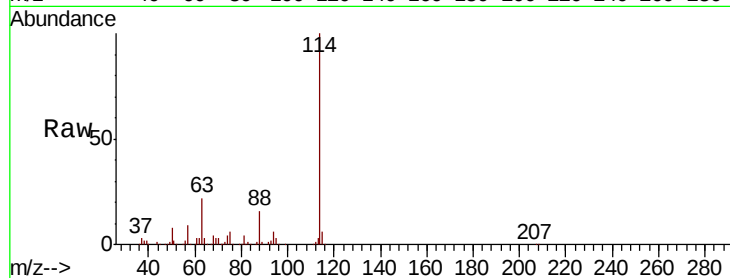
Tot Ion:114 Resp: 348365

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

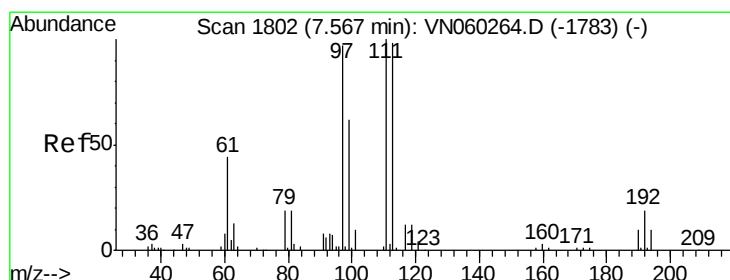
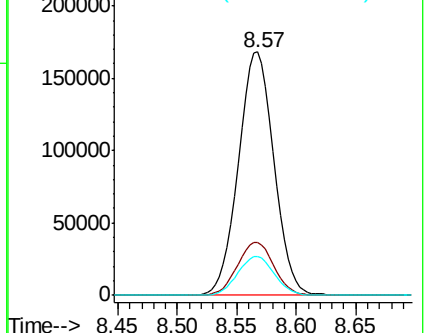
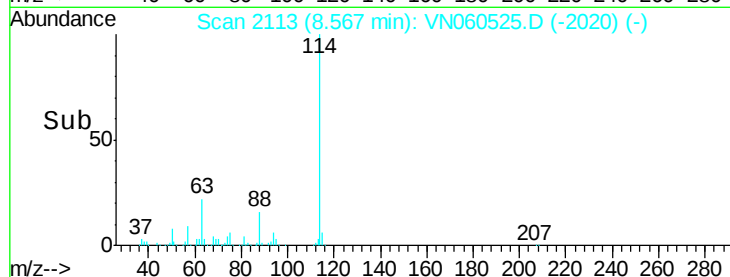
88 16.2 0.0 31.6



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: 63.556 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

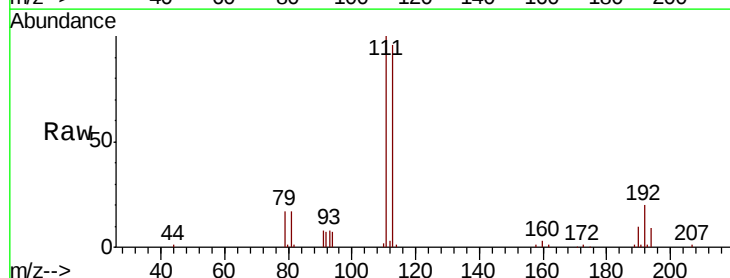
Tgt Ion:113 Resp: 102770

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

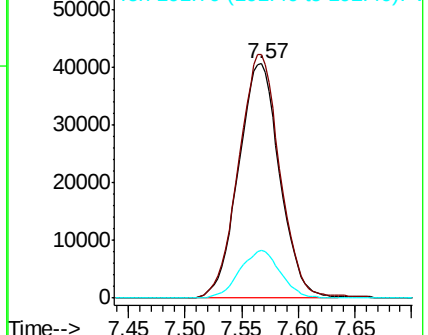
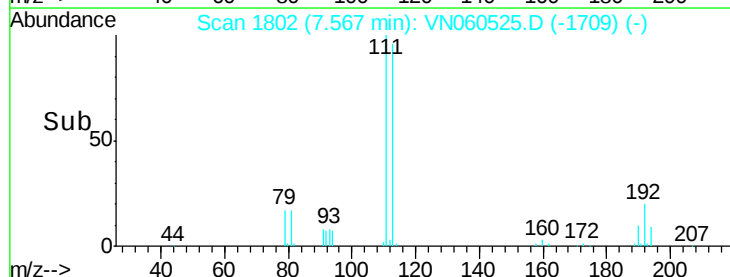
192 20.1 16.2 24.2

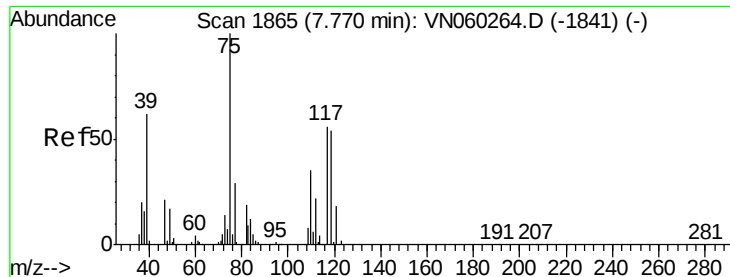


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

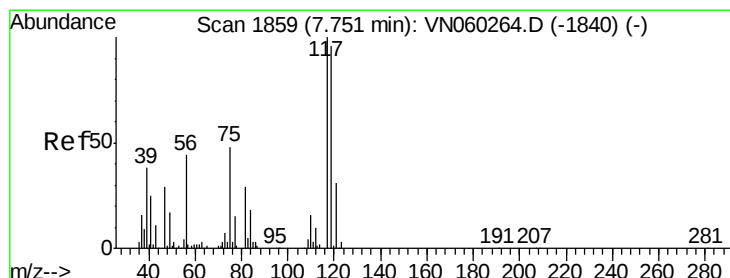
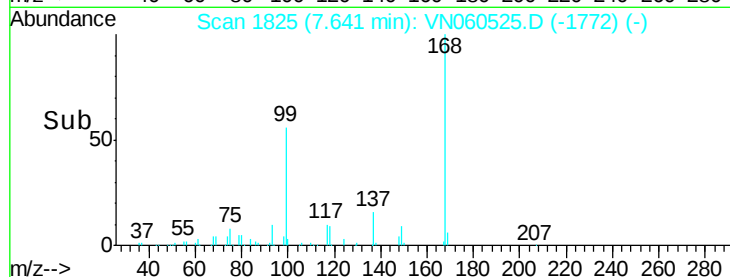
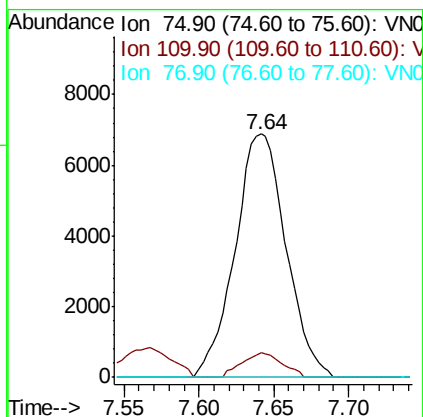
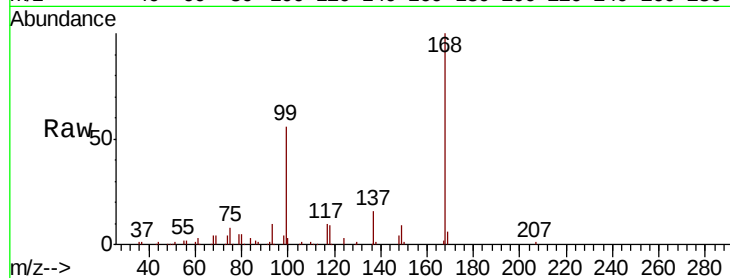




#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060525.D
 Acq: 16 Mar 2020 16:00

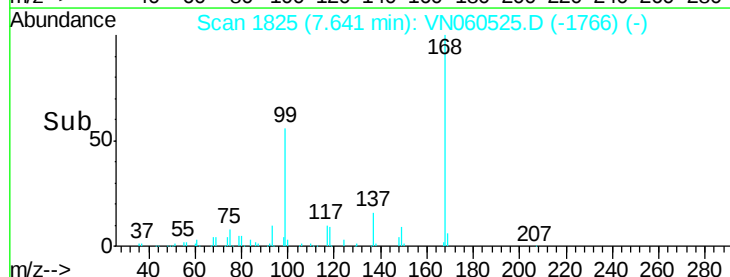
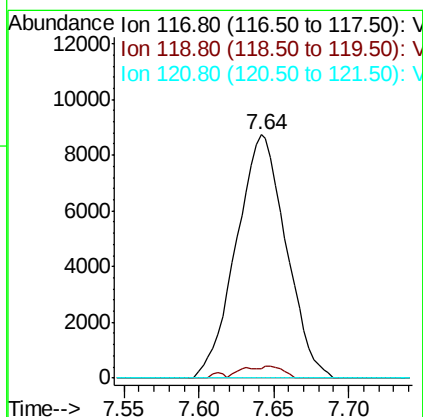
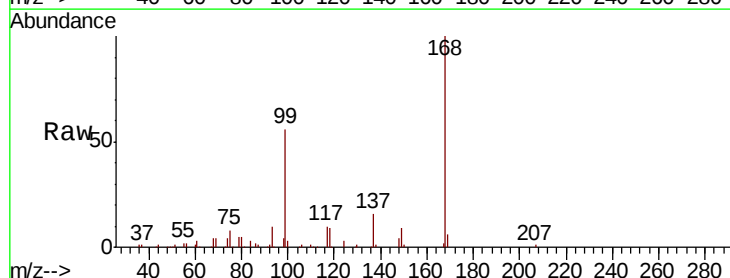
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10-DA

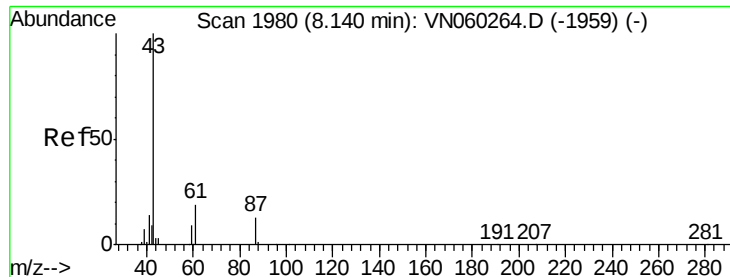
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.244 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060525.D
 Acq: 16 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.7	115.1#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 11.137 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

TP-10-DA

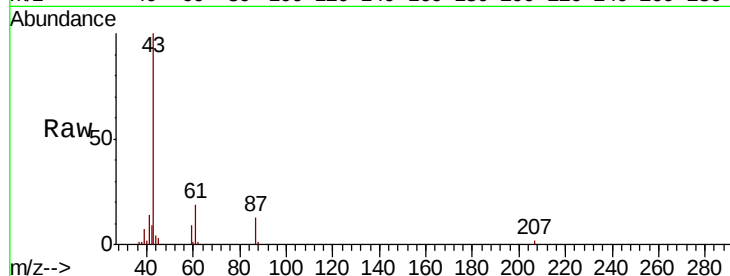
Tot Ion: 43 Resp: 61295

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

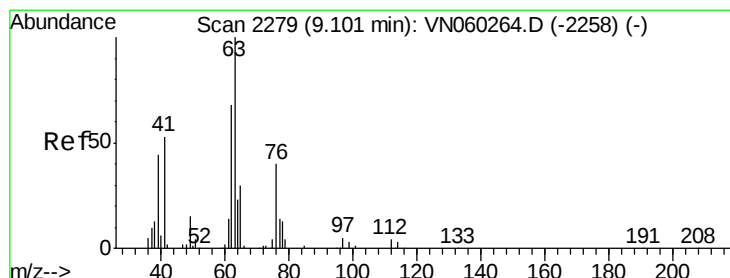
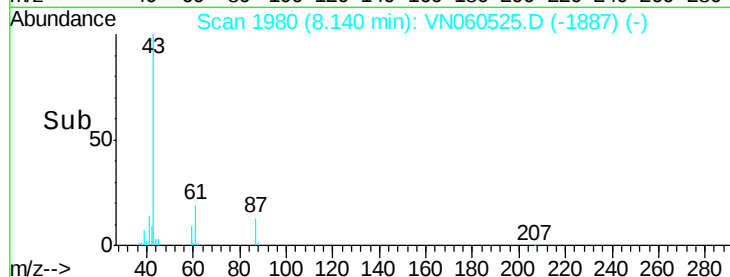
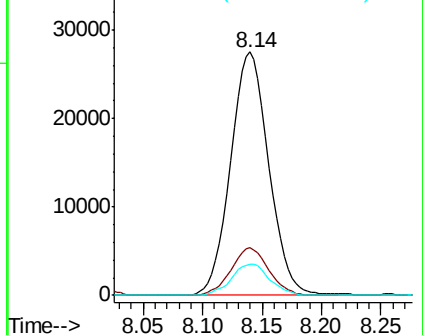
87 12.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060525.D

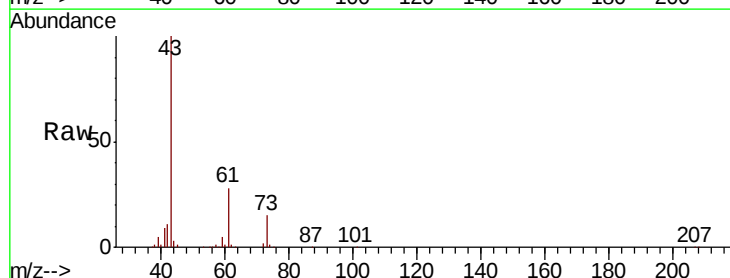
Acq: 16 Mar 2020 16:00

Tgt Ion: 63 Resp: 1160

Ion Ratio Lower Upper

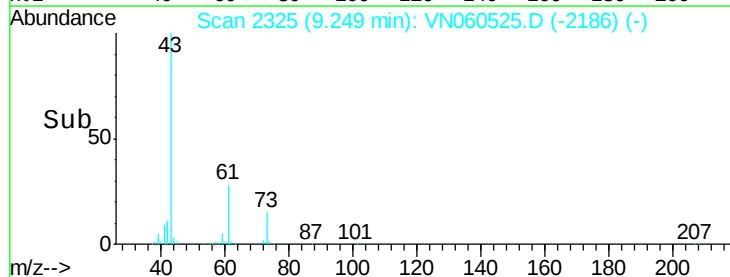
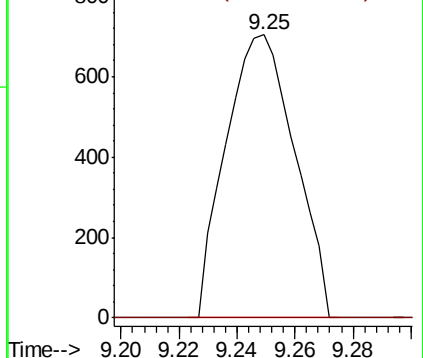
63 100

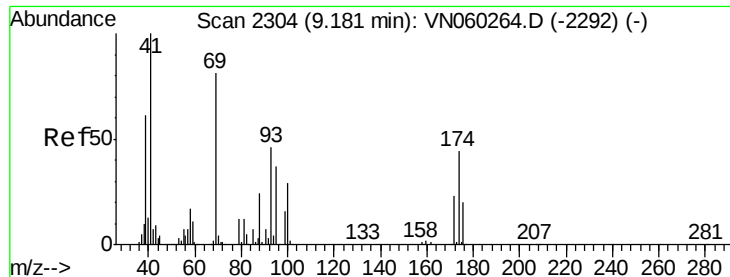
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

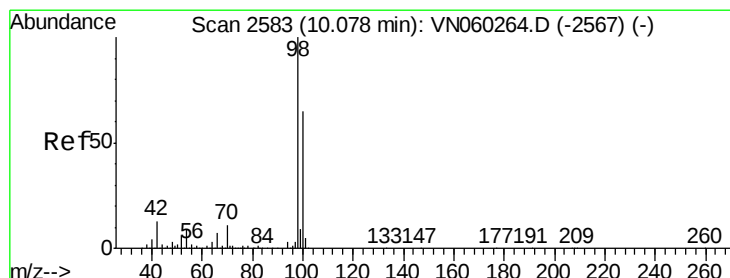
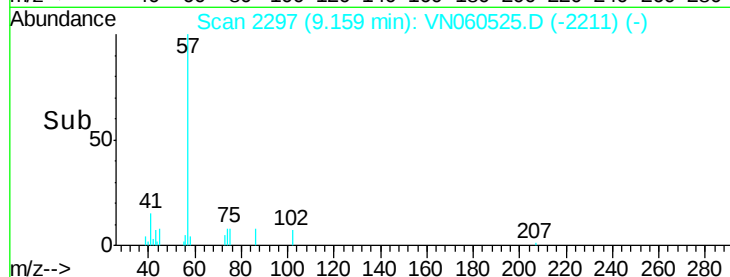
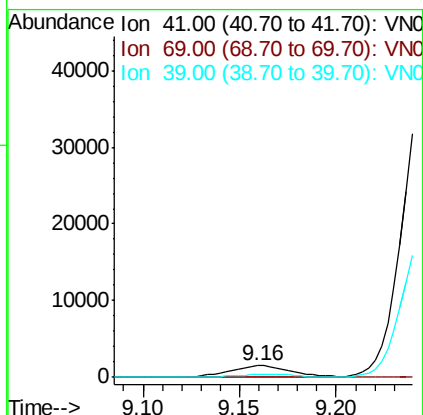
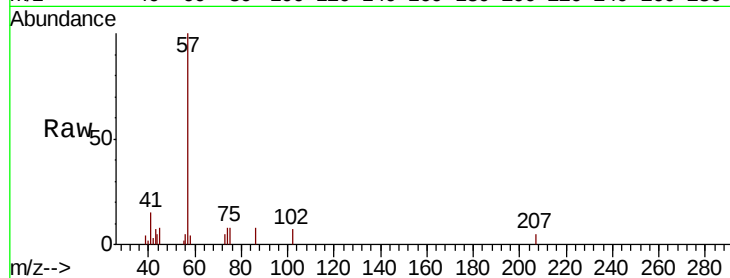




#48
Methvl methacrylate
Concen: 1.323 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060525.D
Acq: 16 Mar 2020 16:00

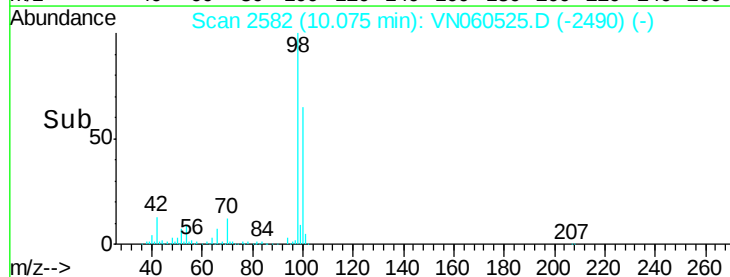
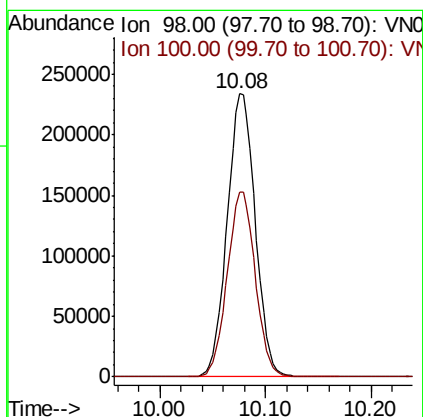
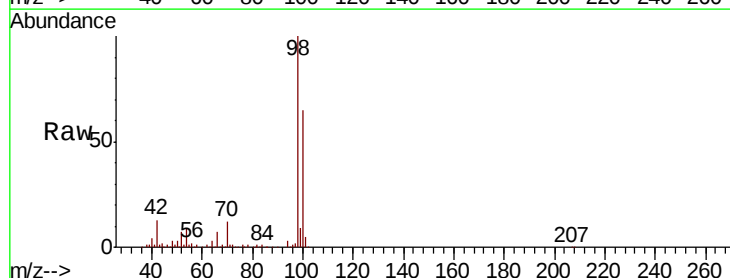
Instrument :
MSVOA_N
ClientSampleId :
TP-10-DA

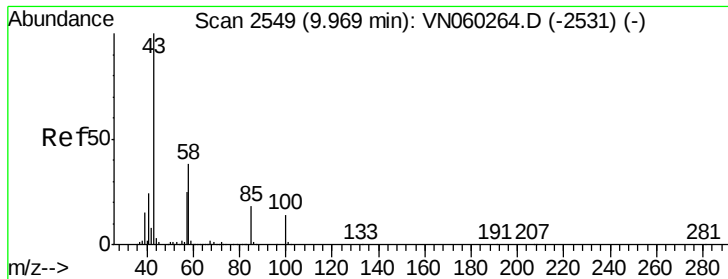
Tot Ion: 41 Resp: 3321
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.595 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060525.D
Acq: 16 Mar 2020 16:00

Tgt Ion: 98 Resp: 430433
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

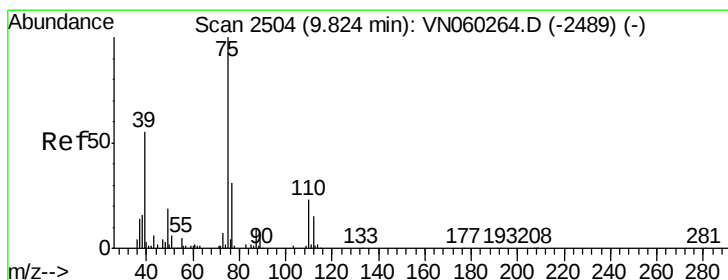
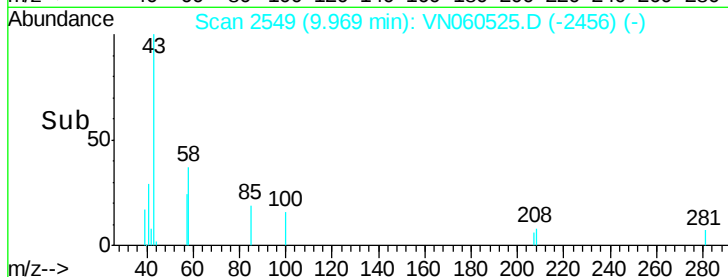
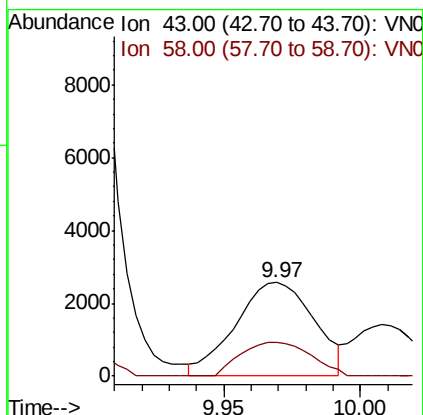
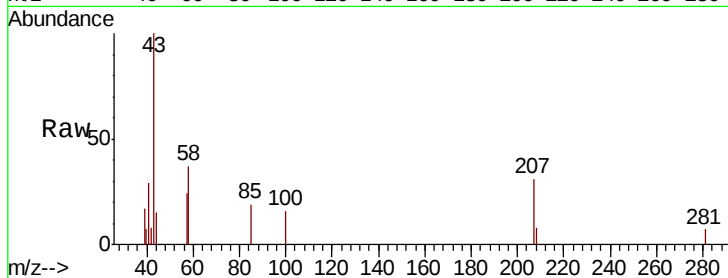




#51
 4-Methyl-2-Pentanone
 Concen: 1.651 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060525.D
 Acq: 16 Mar 2020 16:00

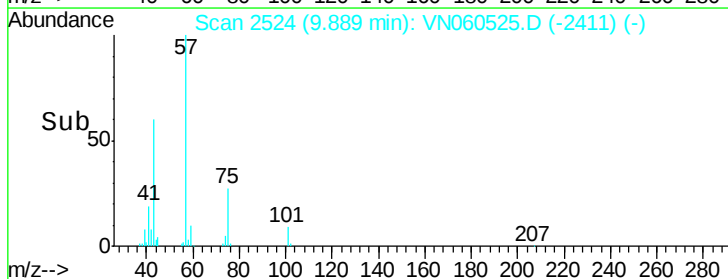
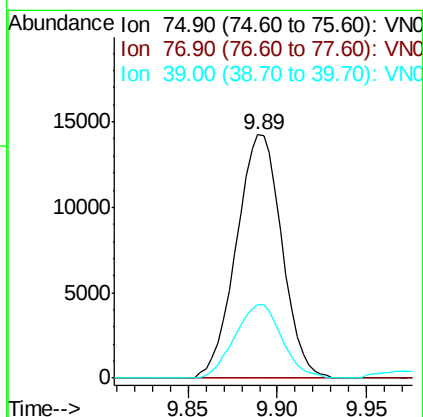
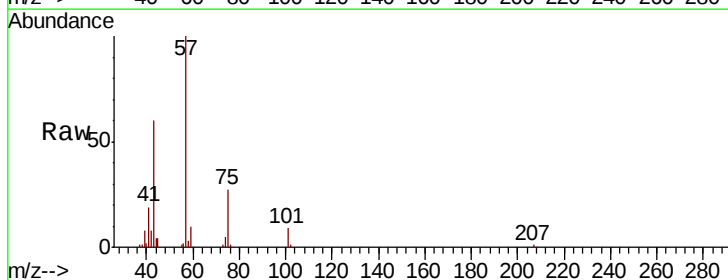
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10-DA

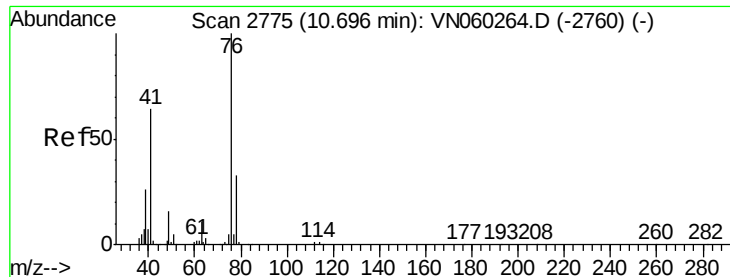
Tot Ion: 43 Resp: 5152
 Ion Ratio Lower Upper
 43 100
 58 32.4 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 5.988 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060525.D
 Acq: 16 Mar 2020 16:00

Tgt Ion: 75 Resp: 25351
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 30.2 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 0.908 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampled :

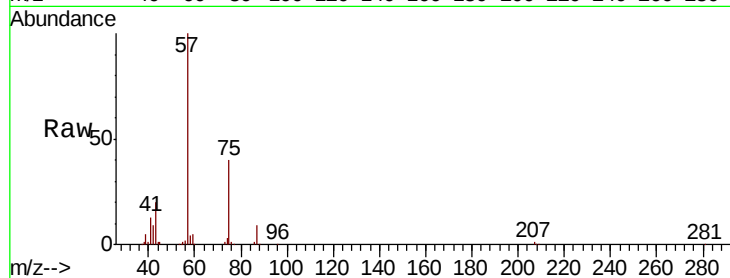
TP-10-DA

Tot Ion: 76 Resp: 3614

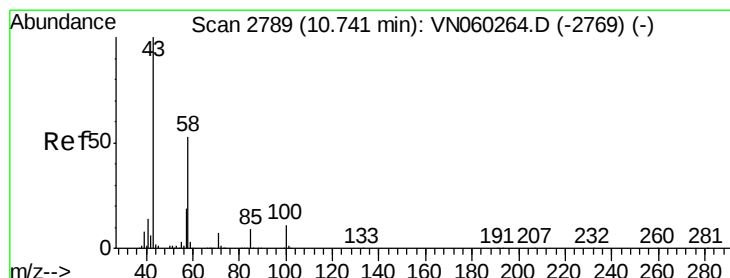
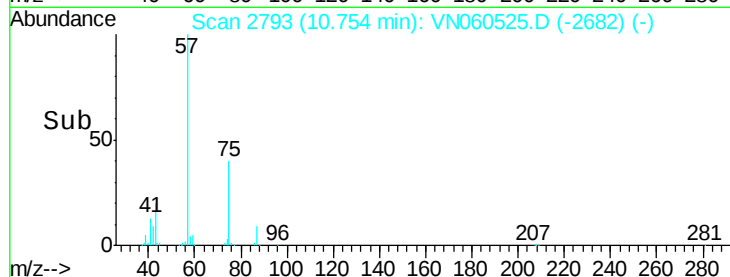
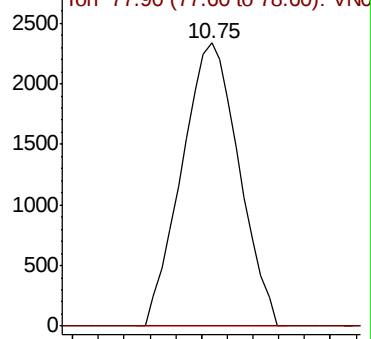
Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060525.D (-2682) (-)



#59

2-Hexanone

Concen: 24.235 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060525.D

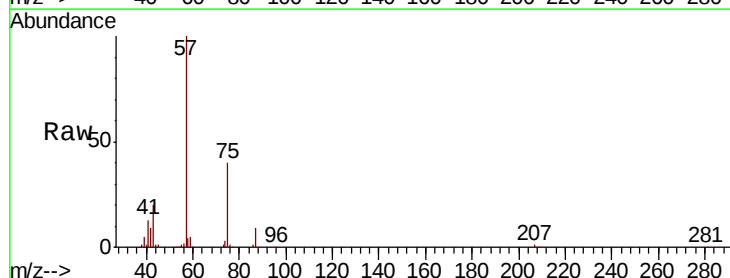
Acq: 16 Mar 2020 16:00

Tgt Ion: 43 Resp: 55525

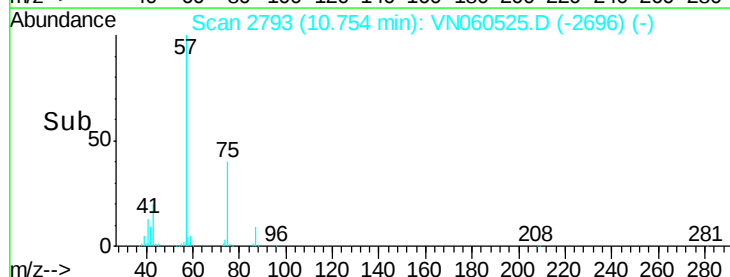
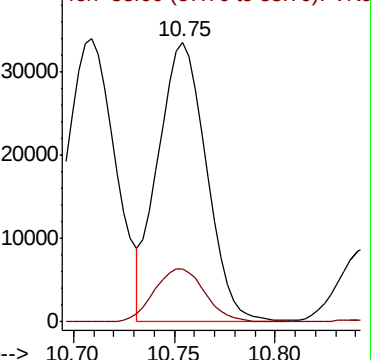
Ion Ratio Lower Upper

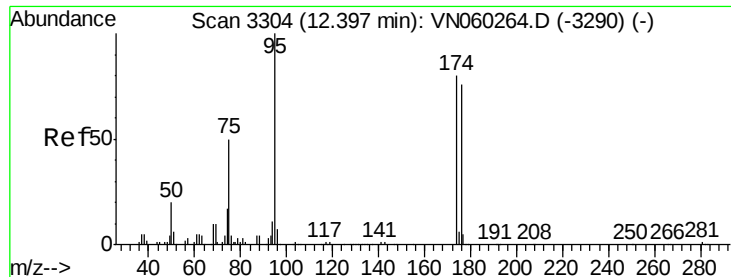
43 100

58 19.8 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060525.D (-2696) (-)





#62

4-Bromofluorobenzene

Concen: 51.876 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

TP-10-DA

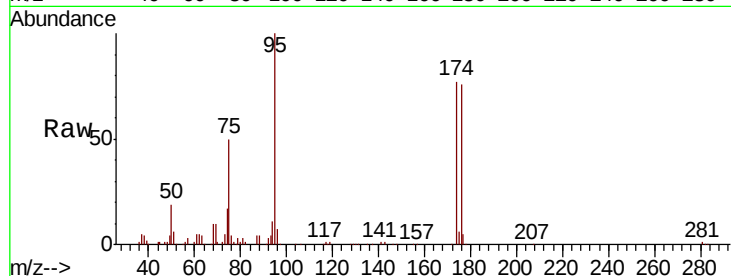
Tot Ion: 95 Resp: 160935

Ion Ratio Lower Upper

95 100

174 77.0 0.0 159.2

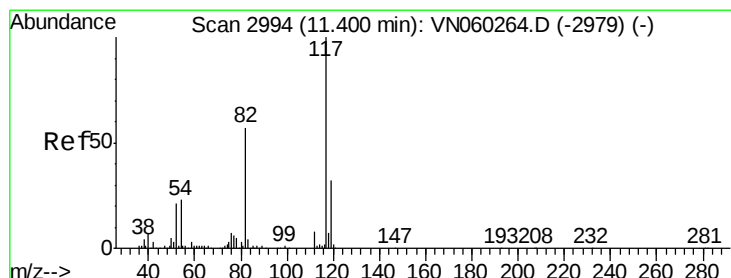
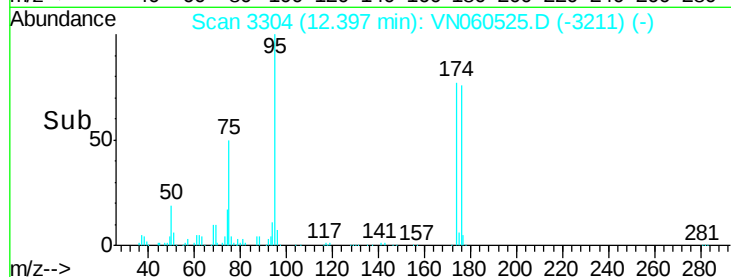
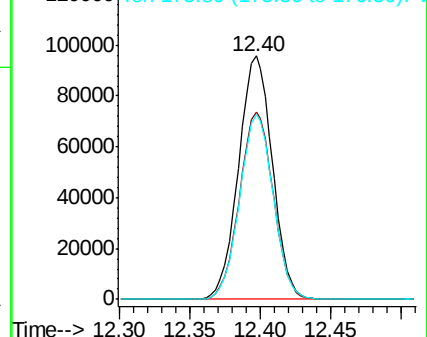
176 75.6 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060525.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060525.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060525.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

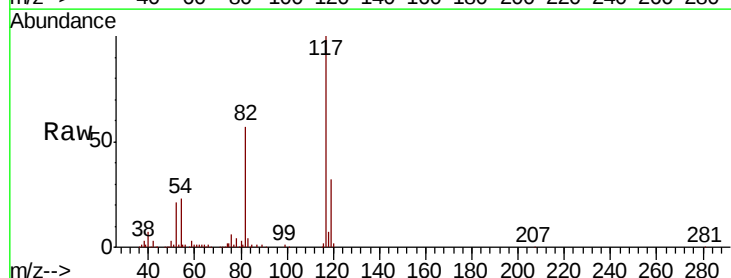
Tgt Ion: 117 Resp: 326001

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

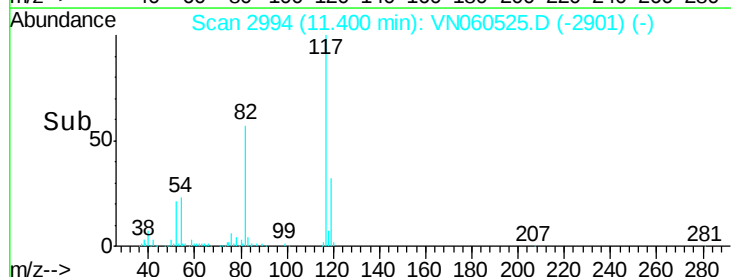
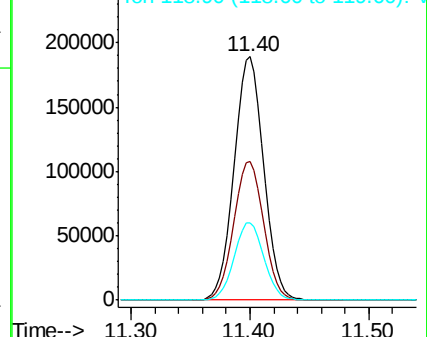
119 32.0 25.8 38.8

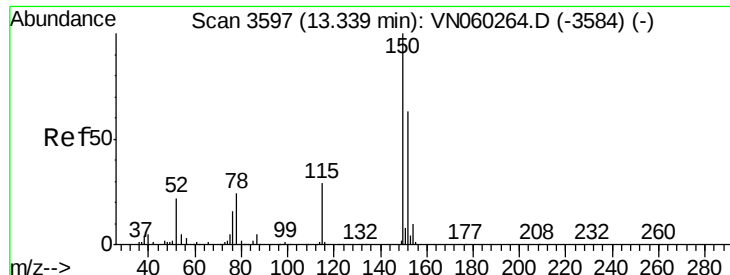


Abundance Ion 116.90 (116.60 to 117.60): VN060525.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060525.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060525.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

TP-10-DA

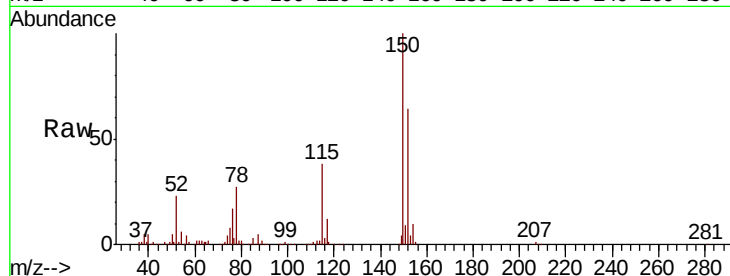
Tot Ion:152 Resp: 148208

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 157.0 0.0 349.6

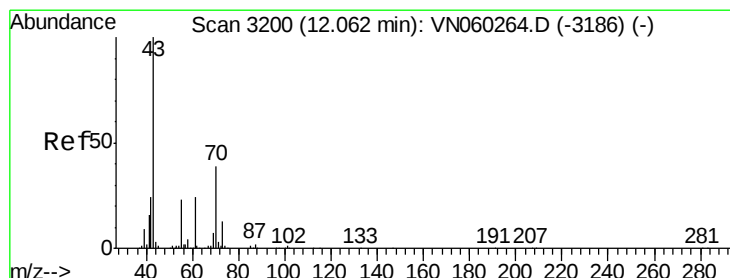
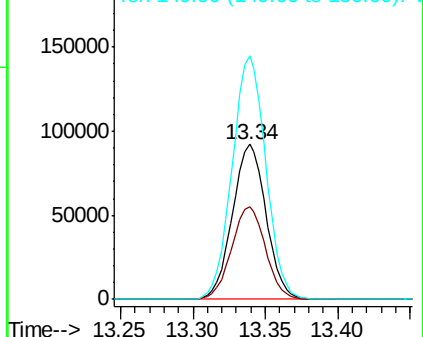
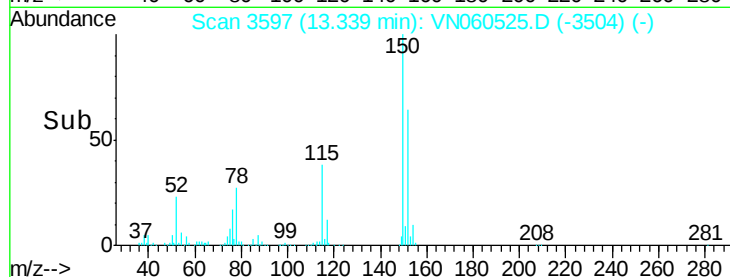


Abundance

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: 0.788 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Tgt Ion: 43 Resp: 3783

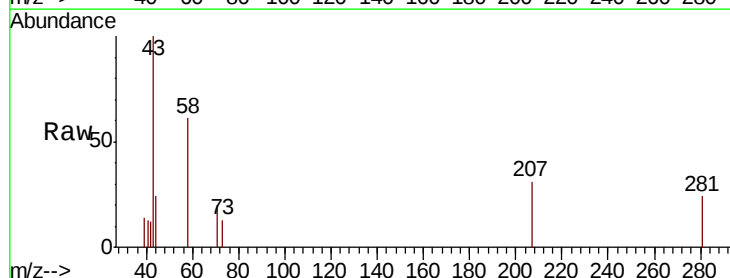
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



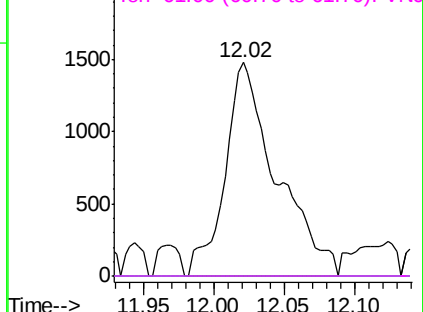
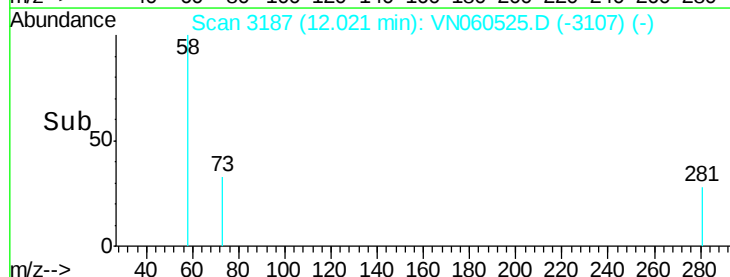
Abundance

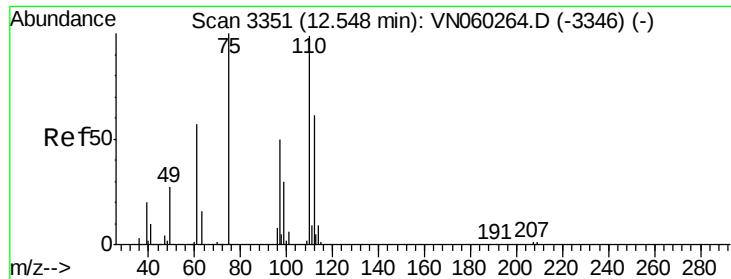
Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 24.587 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

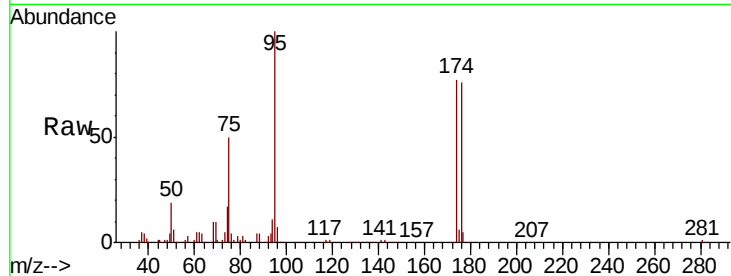
TP-10-DA

Tot Ion: 75 Resp: 79949

Ion Ratio Lower Upper

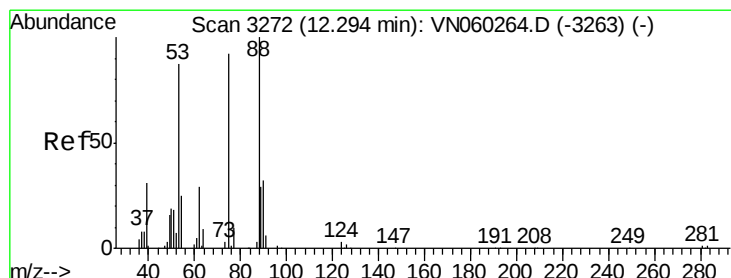
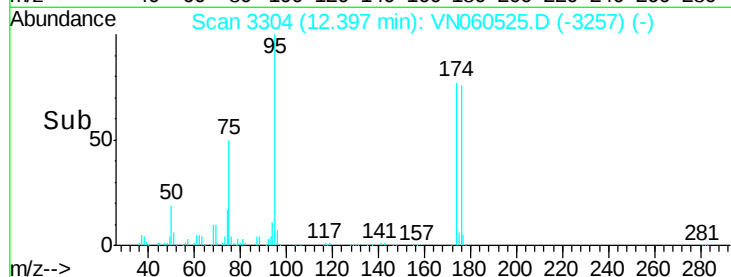
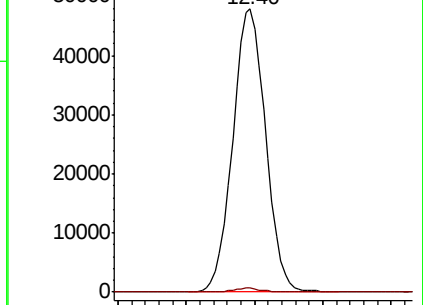
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060525.D (-3179) (-)

Ion 77.00 (76.70 to 77.70): VN060525.D (-3179) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 67.871 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

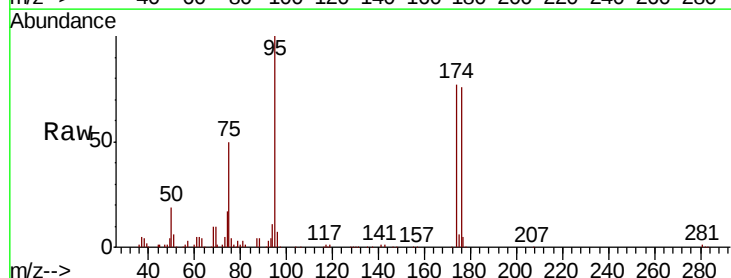
Tgt Ion: 75 Resp: 79949

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

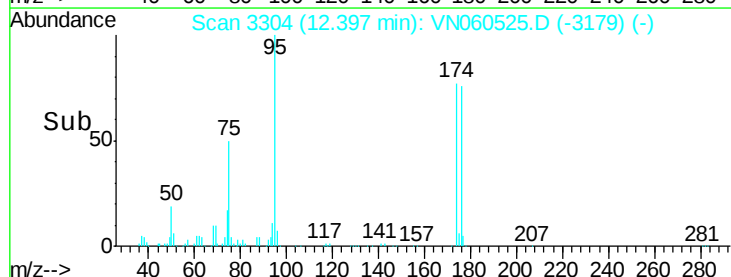
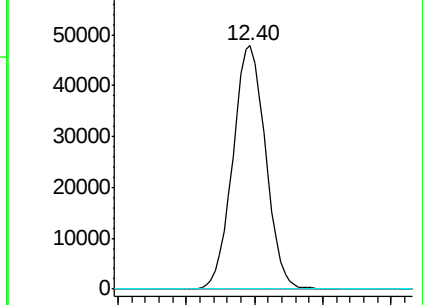
89 0.0 57.1 85.7#

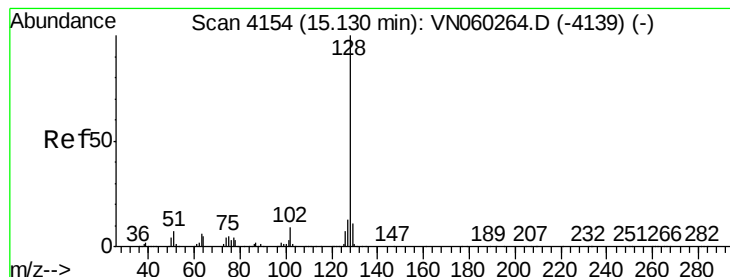


Abundance Ion 74.90 (74.60 to 75.60): VN060525.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060525.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060525.D (-3179) (-)





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060525.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

TP-10-DA

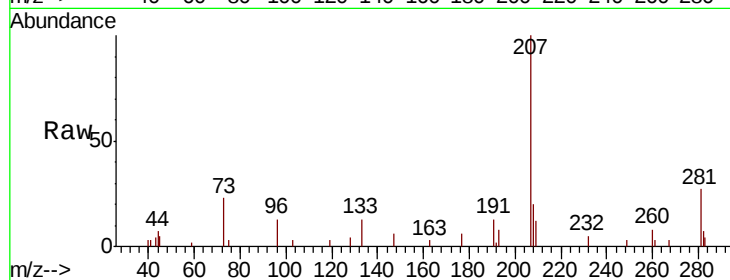
Tot Ion:128 Resp: 383

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

