

Data File : VN060448.D
Acq On : 11 Mar 2020 14:26
Operator : JC/MD
Sample : L1859-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-7-DA

Quant Time: Mar 12 03:37:51 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	201715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129766	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.57	113	97604	63.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.96%	
50) Toluene-d8	10.08	98	406778	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	151393	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

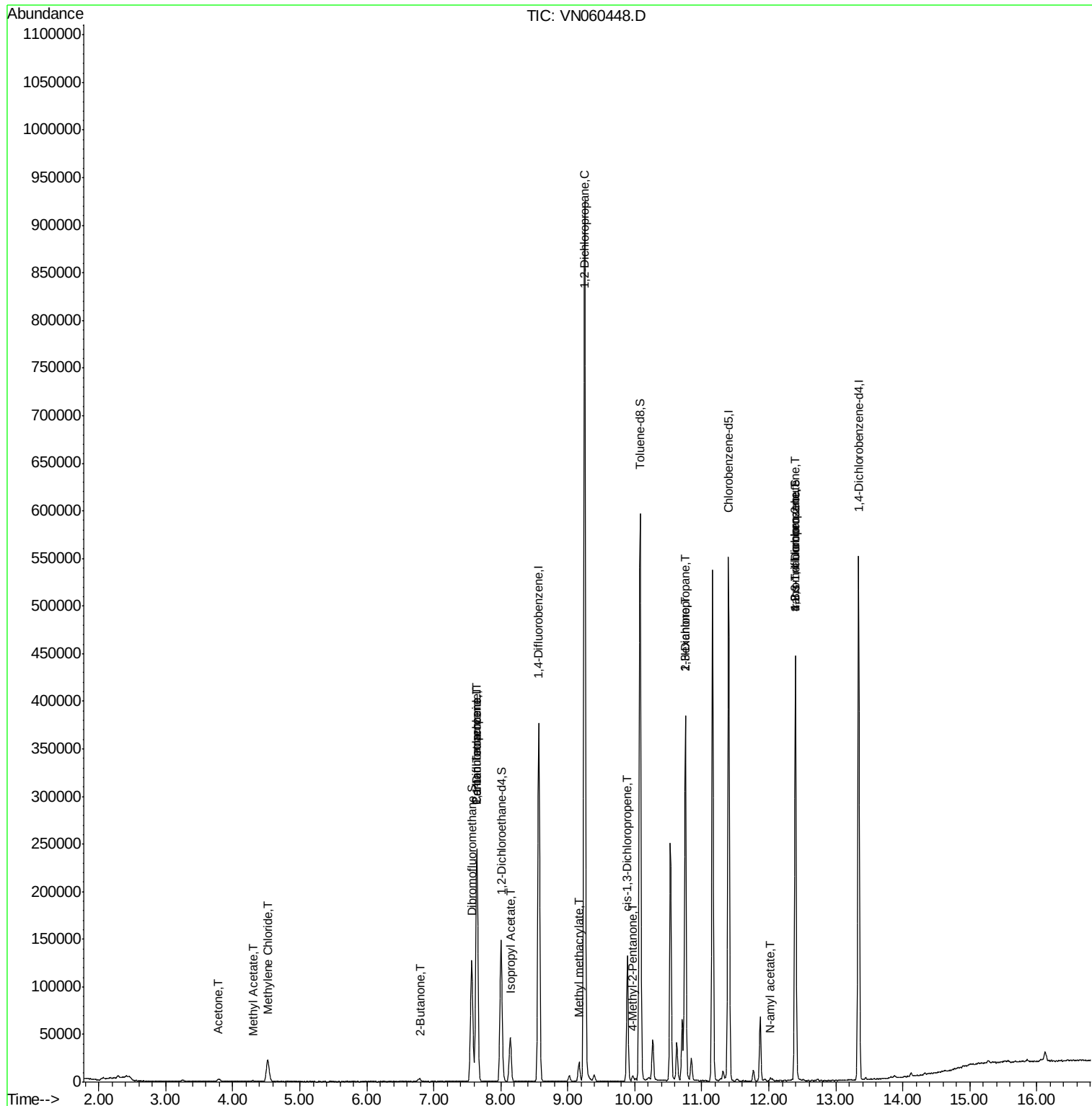
						Qvalue
16) Acetone	3.79	43	5351	6.403	ug/l	92
18) Methyl Acetate	4.30	43	1677	0.601	ug/l #	52
20) Methylene Chloride	4.53	84	17524	7.635	ug/l	93
25) 2-Butanone	6.81	43	1170	0.867	ug/l #	49
31) Cyclohexane	7.64	56	4303	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15566	4.931	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19557	6.363	ug/l #	16
43) Isopropyl Acetate	8.14	43	55452	10.596	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1058	0.440	ug/l #	44
48) Methyl methacrylate	9.16	41	2985	1.251	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3838	1.293	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	23274	5.782	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3917	1.035	ug/l #	42
59) 2-Hexanone	10.75	43	56937	26.135	ug/l #	52
74) N-amyl acetate	12.02	43	3631	0.780	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77107	24.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77107	67.513	ug/l #	8
95) Naphthalene	15.13	128	249	Below Cal	#	69

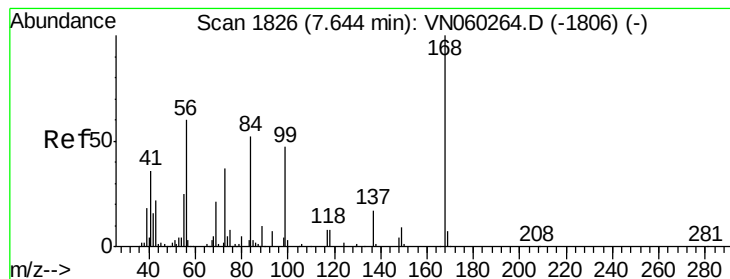
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

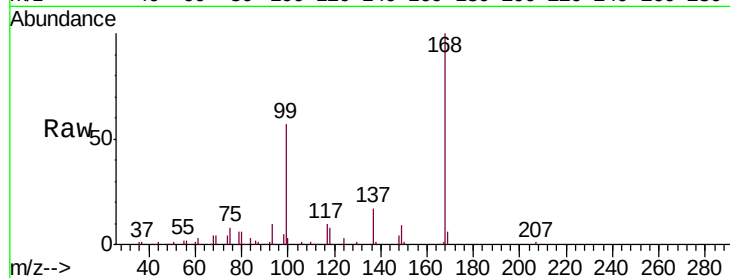
TP-7-DA

Tgt Ion:168 Resp: 201715

Ion Ratio Lower Upper

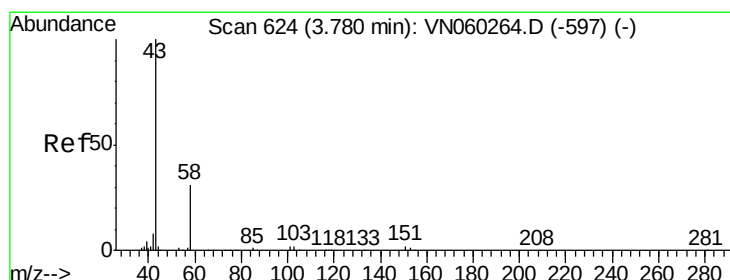
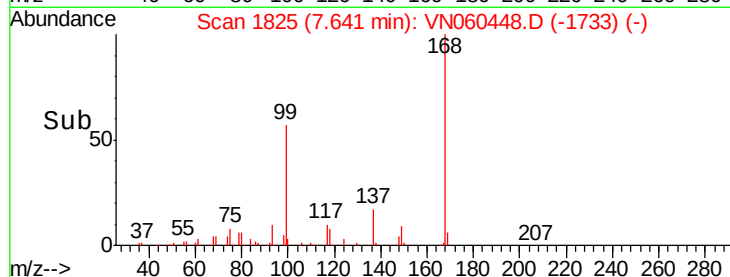
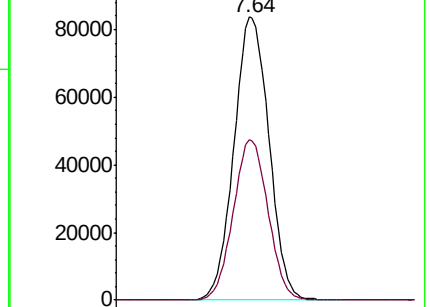
168 100

99 56.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.403 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060448.D

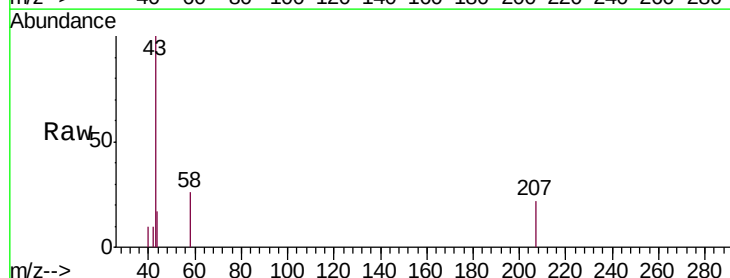
Acq: 11 Mar 2020 14:26

Tgt Ion: 43 Resp: 5351

Ion Ratio Lower Upper

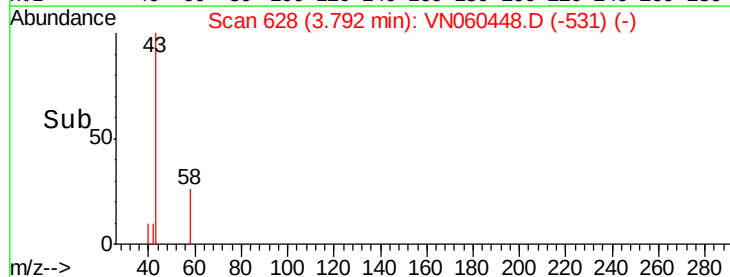
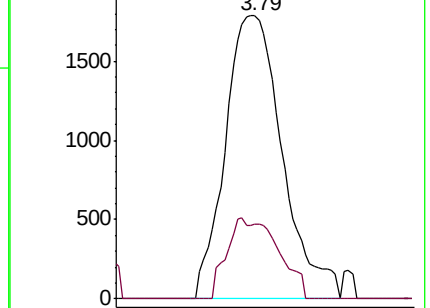
43 100

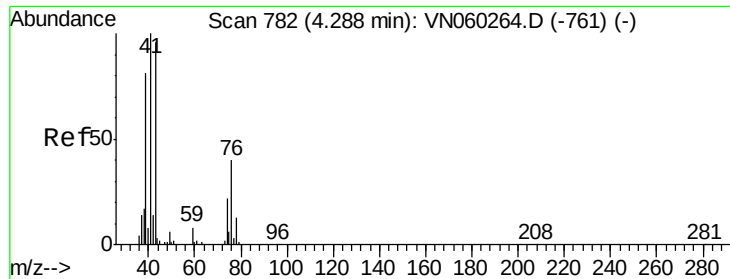
58 26.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

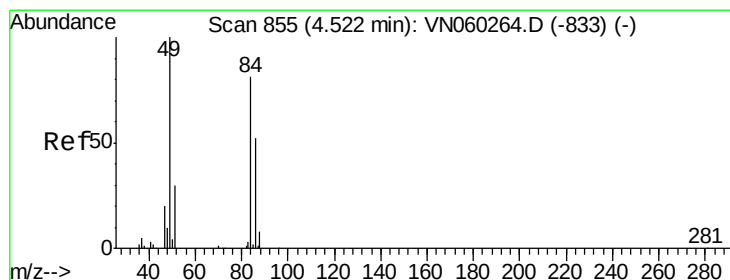
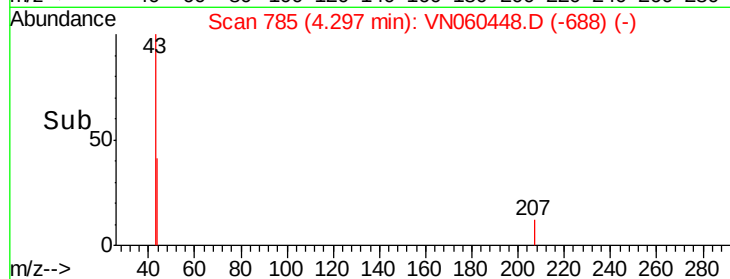
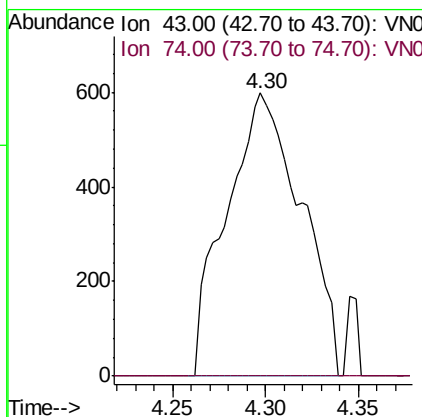
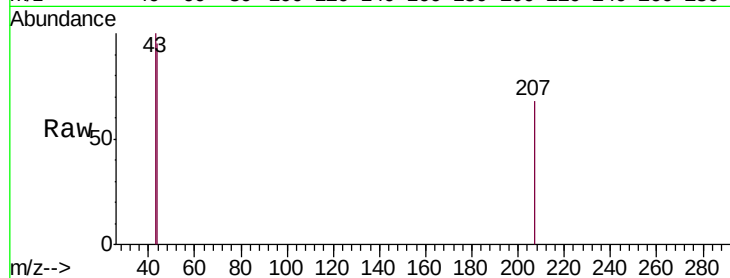




#18
Methyl Acetate
Concen: 0.601 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060448.D
Acq: 11 Mar 2020 14:26

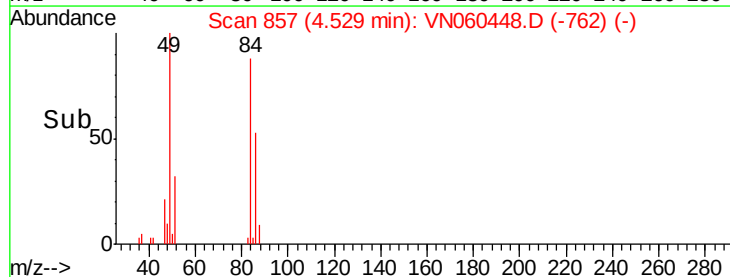
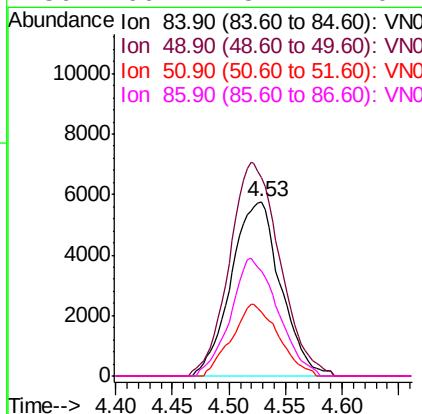
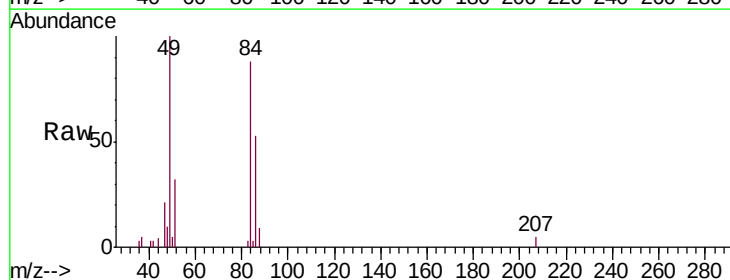
Instrument :
MSVOA_N
ClientSampleId :
TP-7-DA

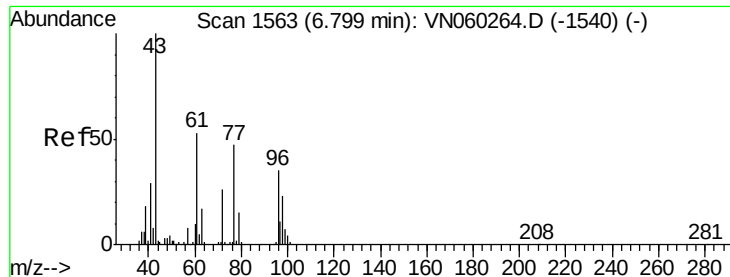
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 7.635 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060448.D
Acq: 11 Mar 2020 14:26

Tgt Ion: 84 Resp: 17524
Ion Ratio Lower Upper
84 100
49 113.6 99.3 148.9
51 36.8 30.1 45.1
86 60.2 51.1 76.7

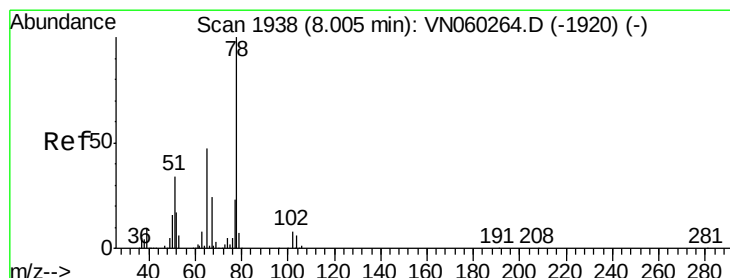
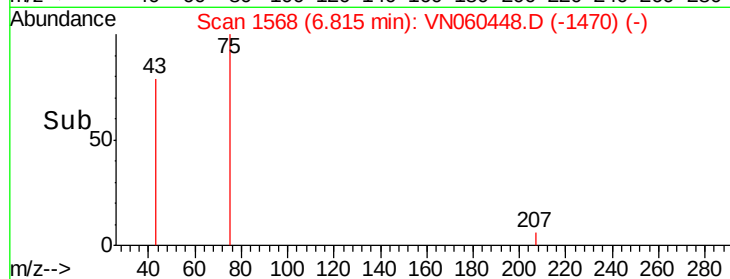
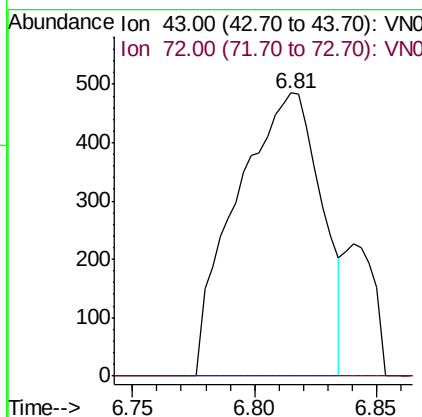
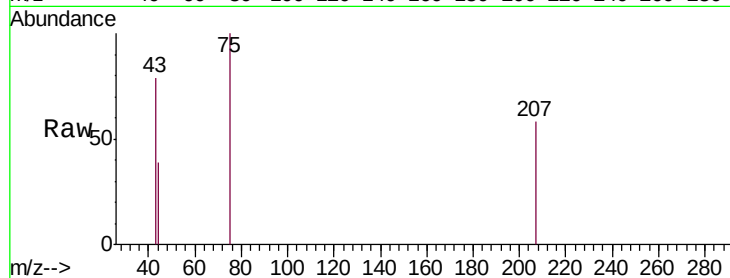




#25
 2-Butanone
 Concen: 0.867 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

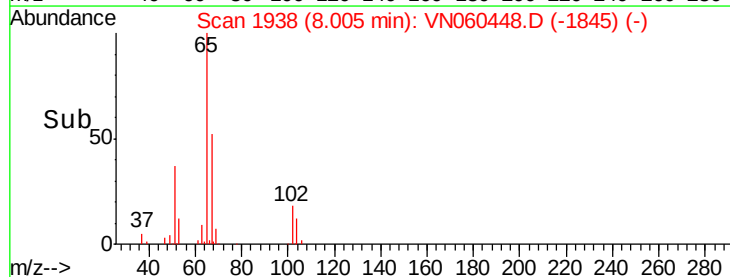
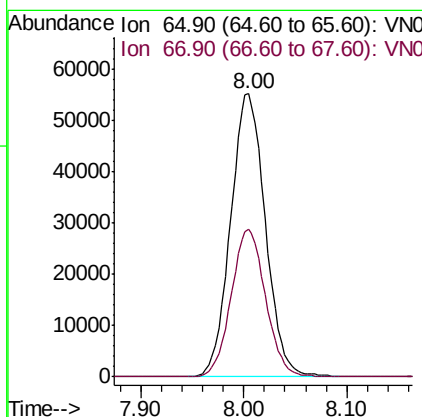
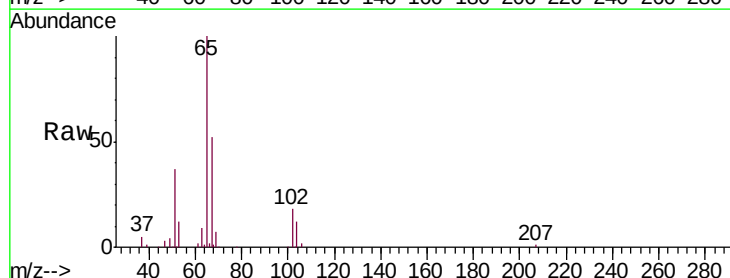
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7-DA

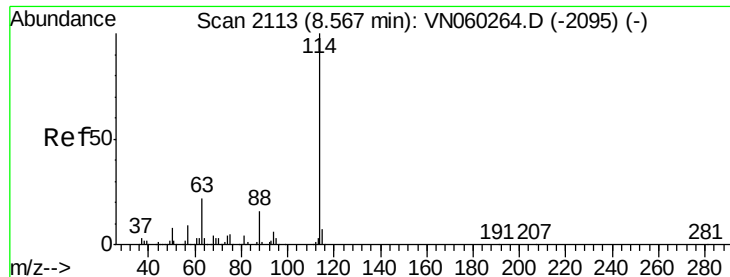
Tgt Ion: 43 Resp: 1170
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.141 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

Tgt Ion: 65 Resp: 129766
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8

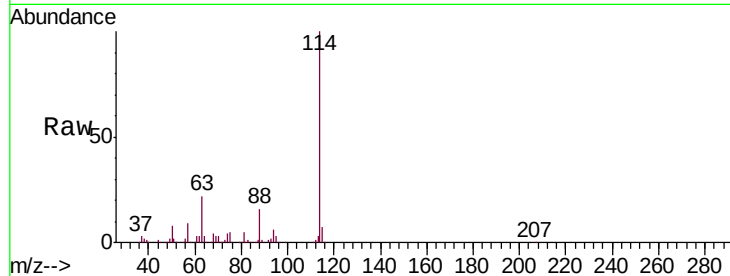




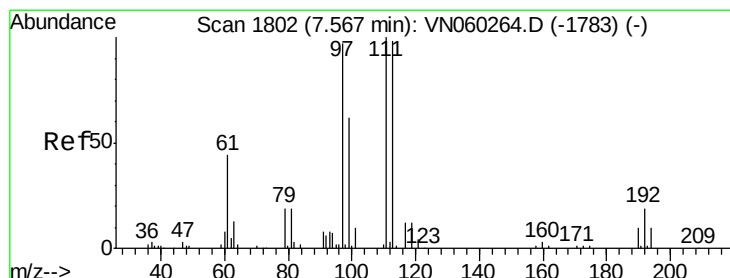
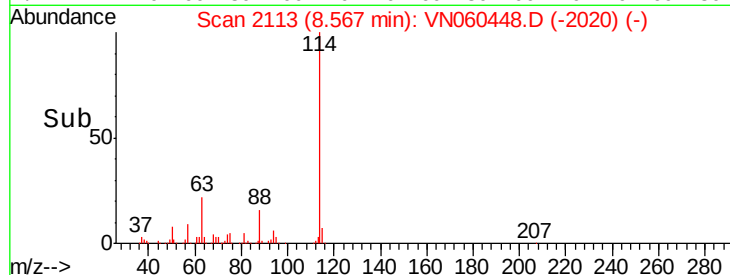
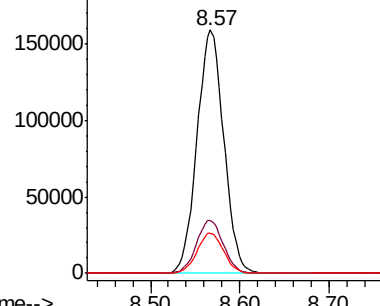
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7-DA

Tgt Ion:114 Resp: 331258
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.4 0.0 31.6

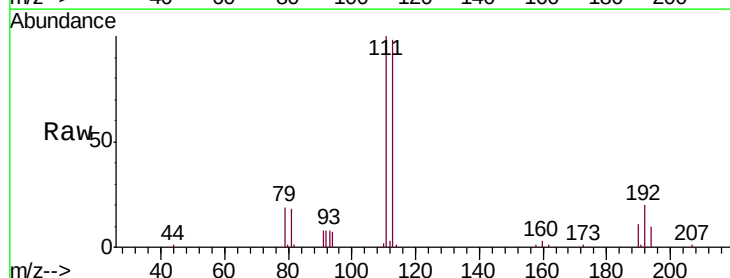


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

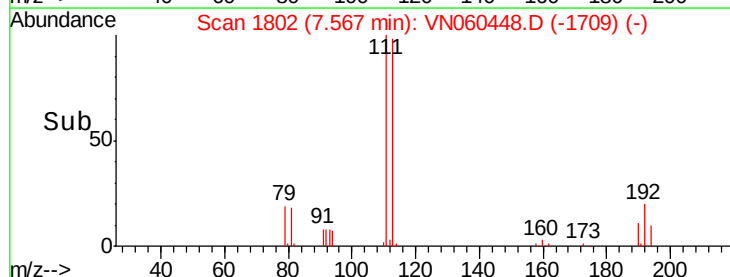
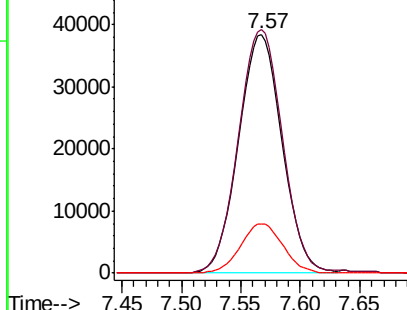


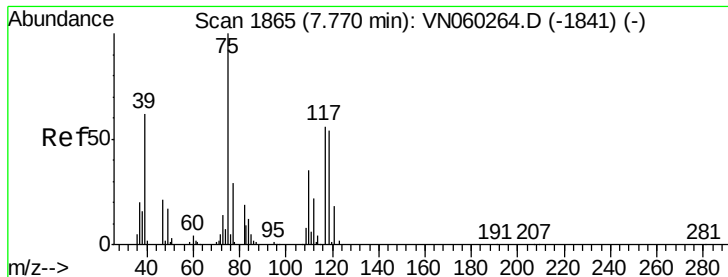
#35
 Dibromofluoromethane
 Concen: 63.478 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

Tgt Ion:113 Resp: 97604
 Ion Ratio Lower Upper
 113 100
 111 103.8 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: 4.931 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

TP-7-DA

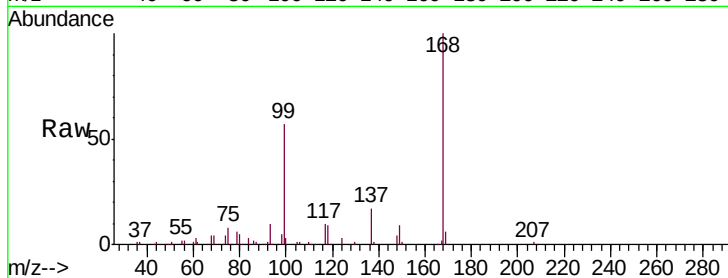
Tgt Ion: 75 Resp: 15566

Ion Ratio Lower Upper

75 100

110 7.2 17.3 52.0#

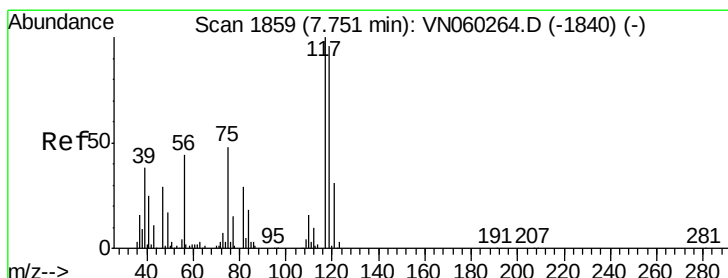
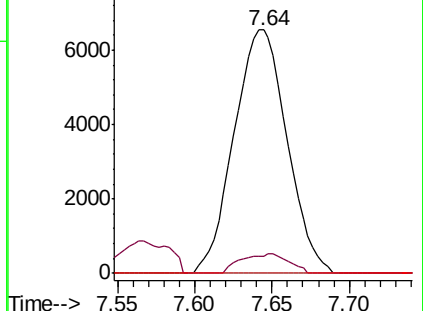
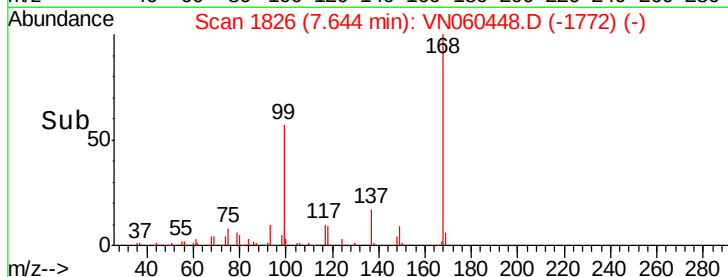
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060448.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060448.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060448.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.363 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

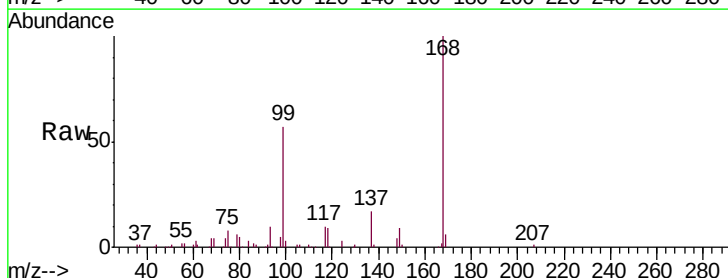
Tgt Ion: 117 Resp: 19557

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

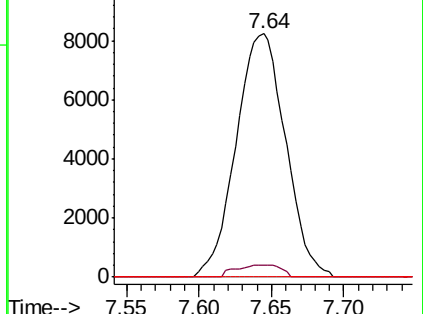
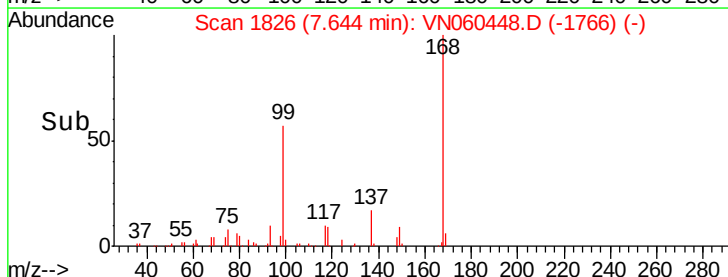
121 0.0 24.5 36.7#

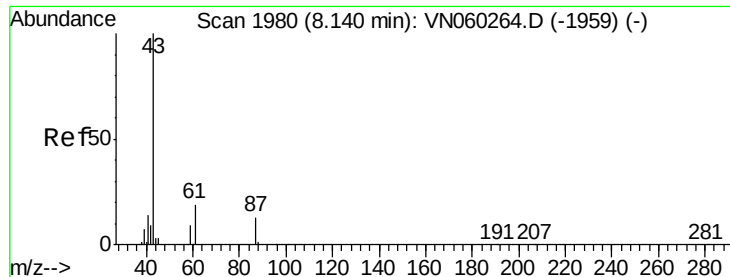


Abundance Ion 116.80 (116.50 to 117.50): VN060448.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060448.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060448.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.596 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

TP-7-DA

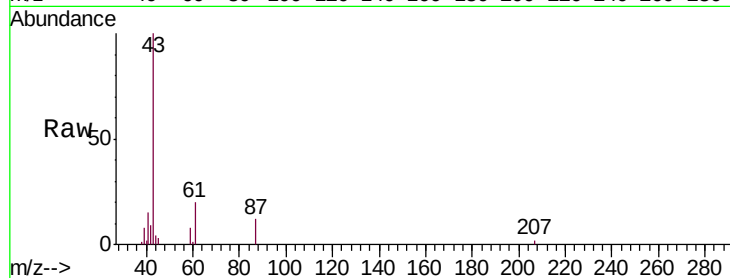
Tgt Ion: 43 Resp: 55452

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

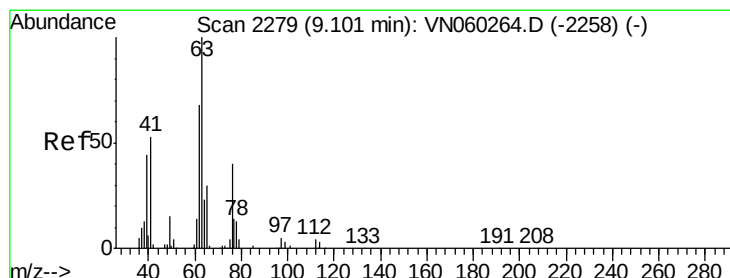
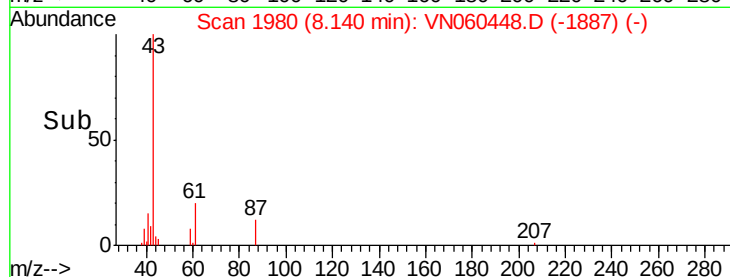
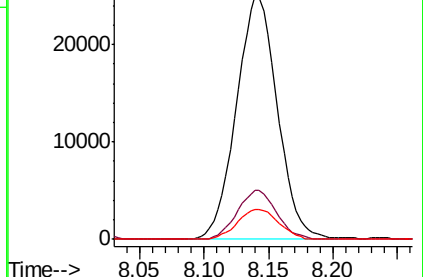
87 12.3 10.6 16.0



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: 0.440 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060448.D

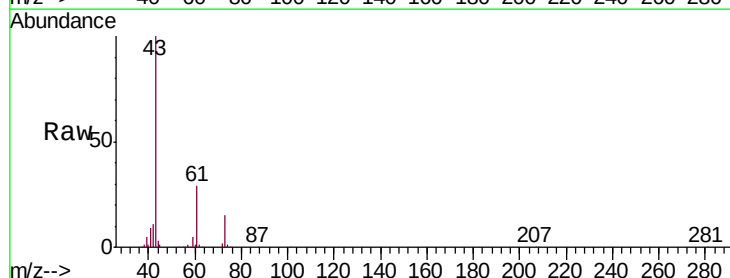
Acq: 11 Mar 2020 14:26

Tgt Ion: 63 Resp: 1058

Ion Ratio Lower Upper

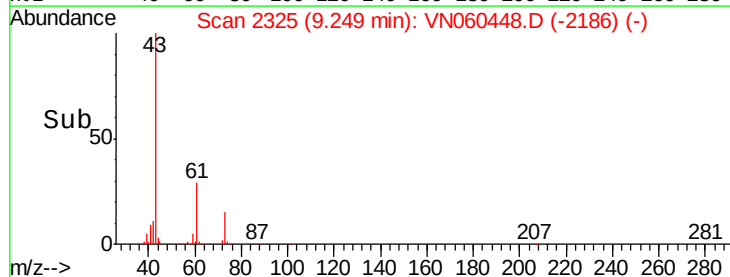
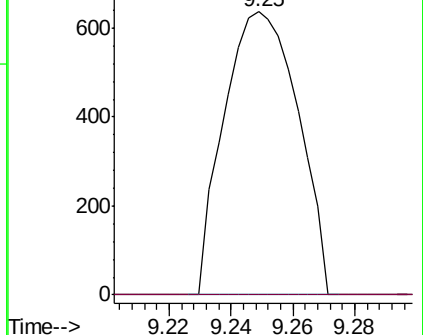
63 100

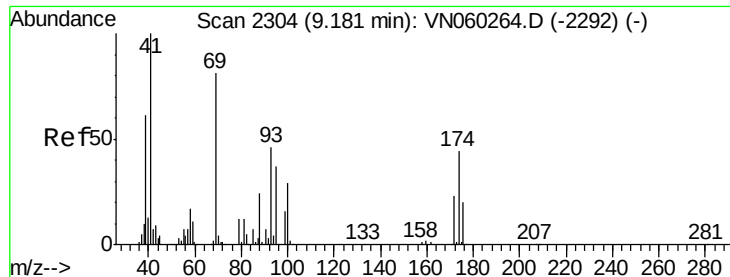
65 0.0 24.4 36.6#



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

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

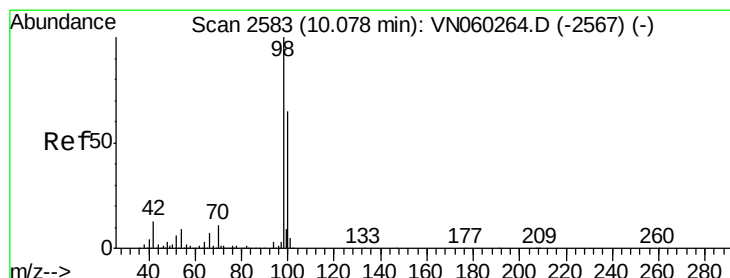
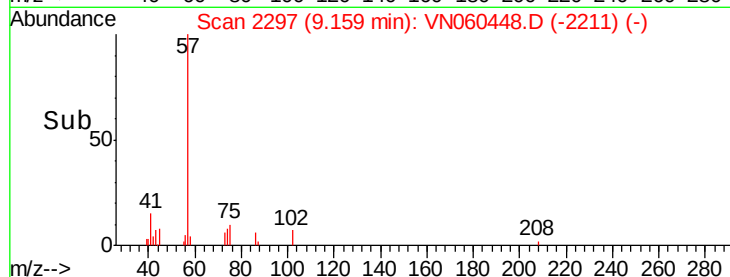
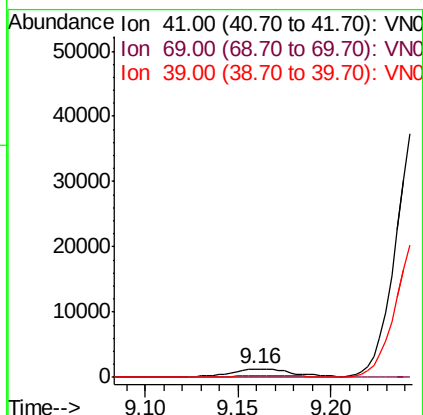
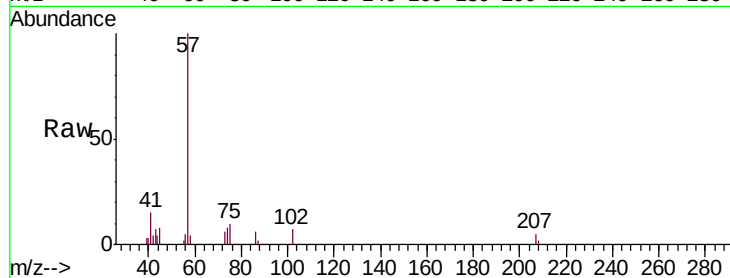




#48
Methyl methacrylate
Concen: 1.251 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060448.D
Acq: 11 Mar 2020 14:26

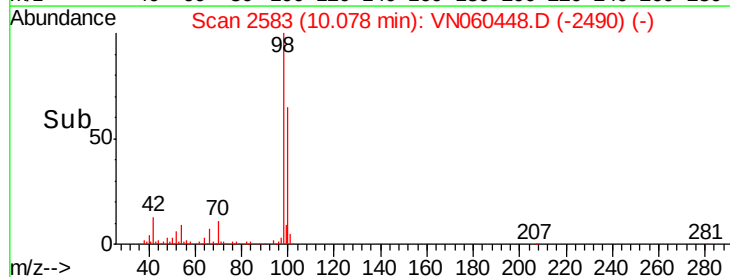
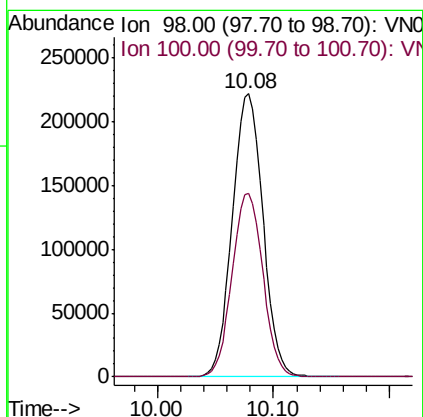
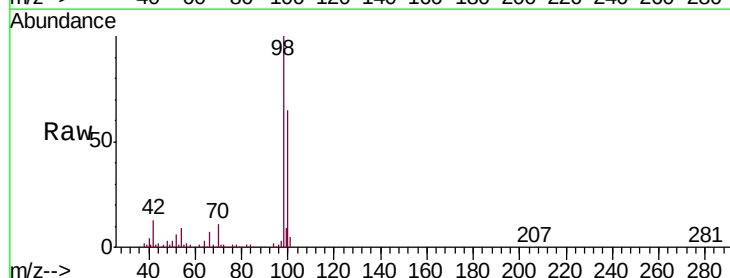
Instrument :
MSVOA_N
ClientSampleId :
TP-7-DA

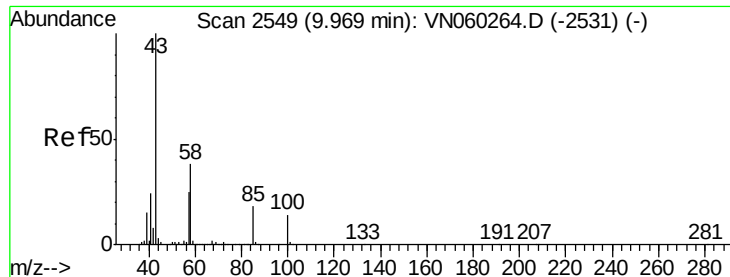
Tgt Ion: 41 Resp: 2985
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060448.D
Acq: 11 Mar 2020 14:26

Tgt Ion: 98 Resp: 406778
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.293 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

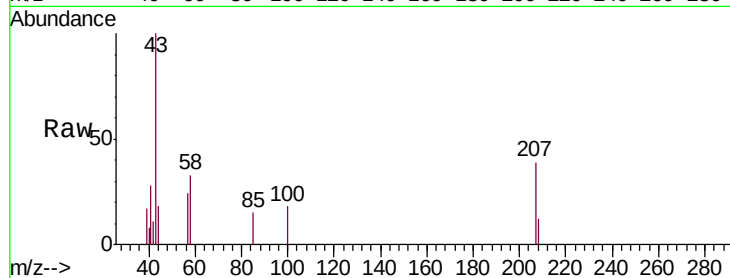
TP-7-DA

Tgt Ion: 43 Resp: 3838

Ion Ratio Lower Upper

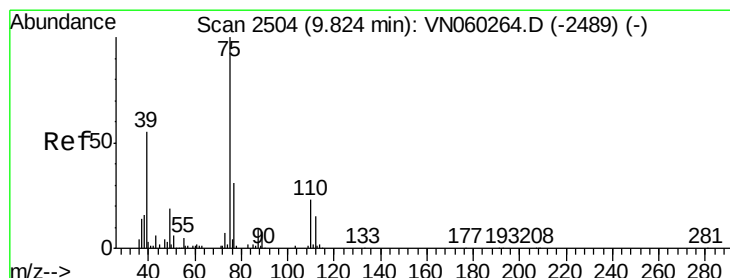
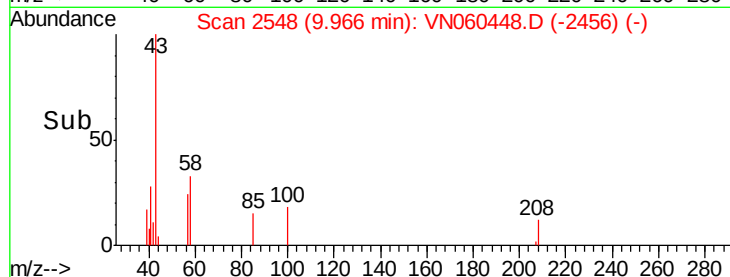
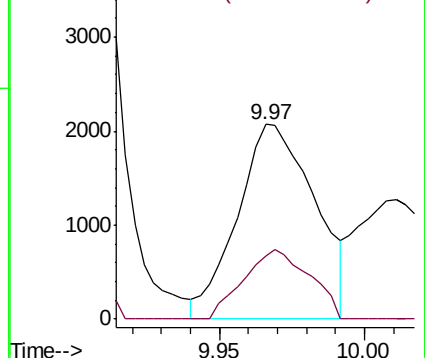
43 100

58 30.5 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.782 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

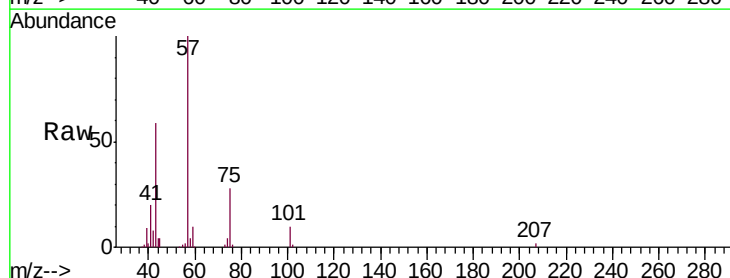
Tgt Ion: 75 Resp: 23274

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

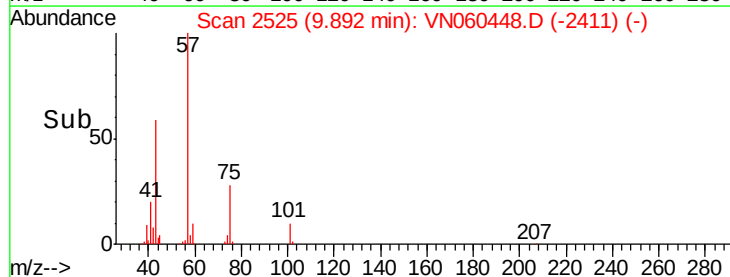
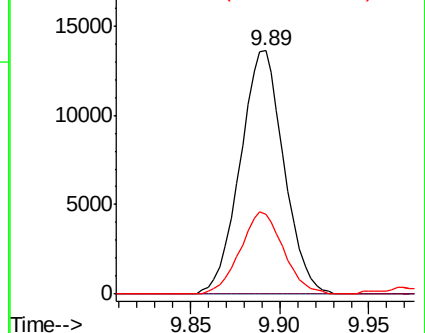
39 32.7 43.8 65.8#

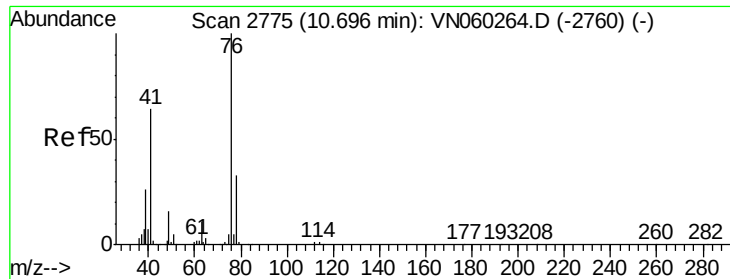


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

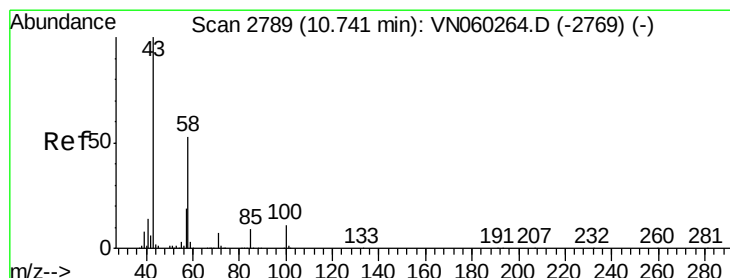
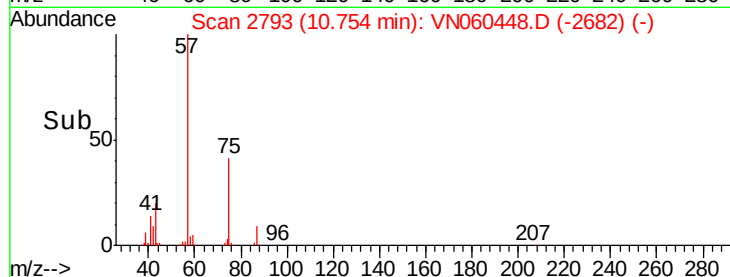
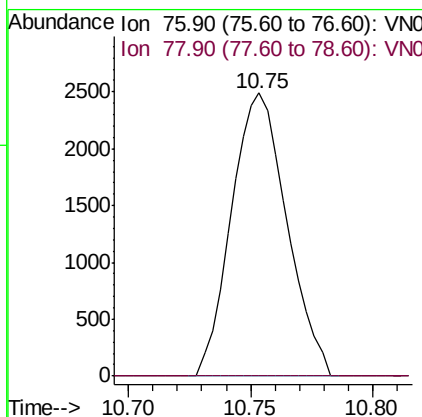
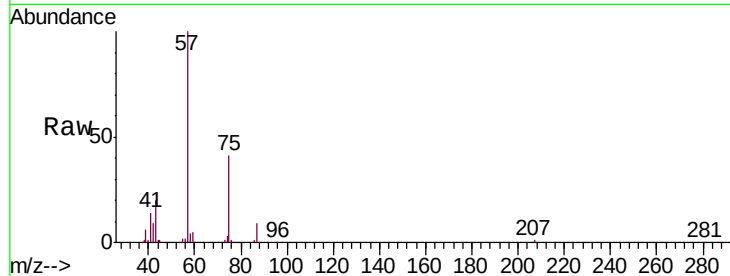




#57
 1,3-Dichloropropane
 Concen: 1.035 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

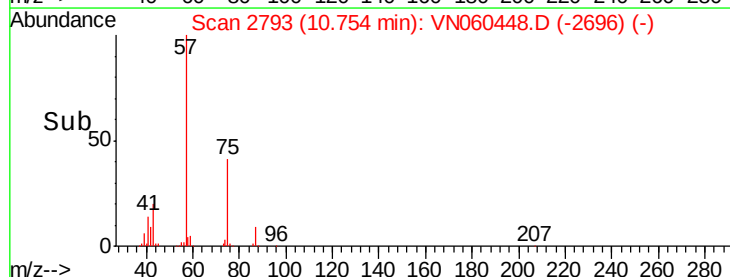
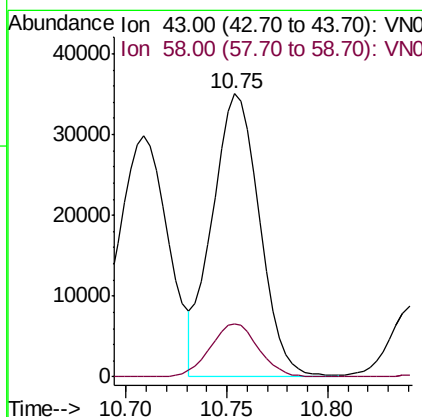
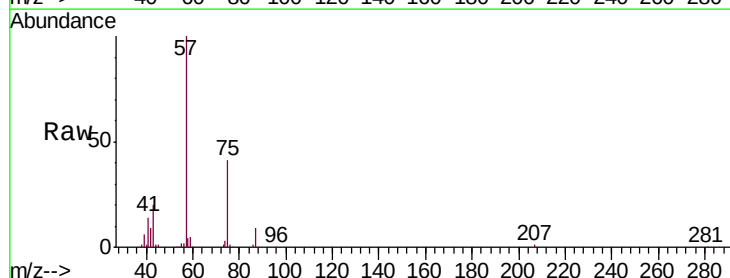
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7-DA

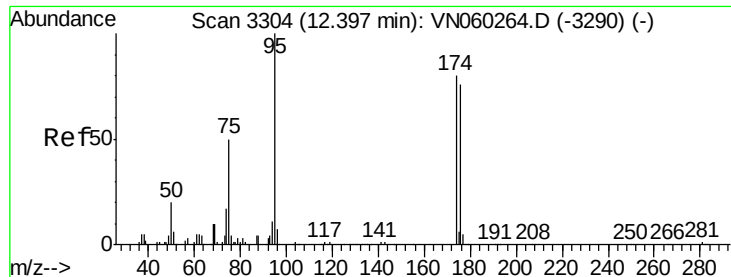
Tgt Ion: 76 Resp: 3917
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 26.135 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060448.D
 Acq: 11 Mar 2020 14:26

Tgt Ion: 43 Resp: 56937
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.321 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

TP-7-DA

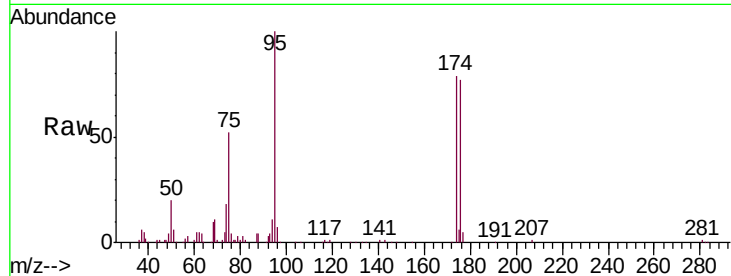
Tgt Ion: 95 Resp: 151393

Ion Ratio Lower Upper

95 100

174 78.8 0.0 159.2

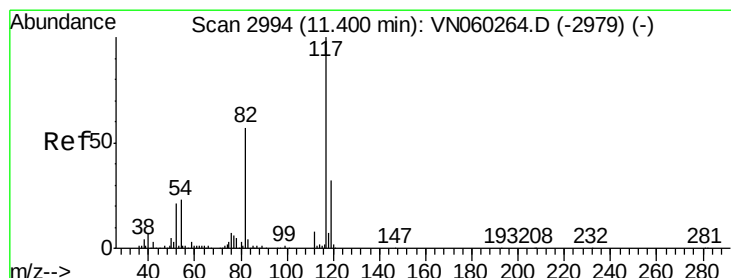
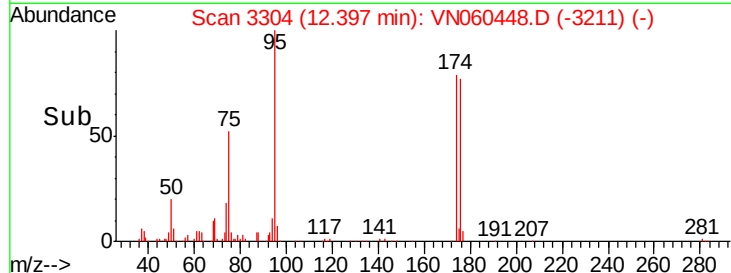
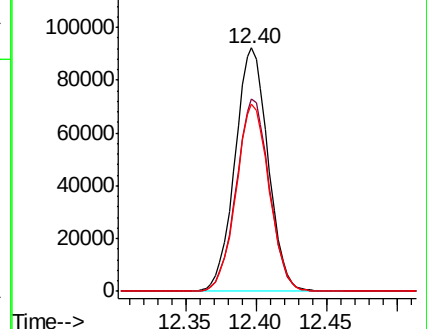
176 76.8 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060448.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060448.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060448.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

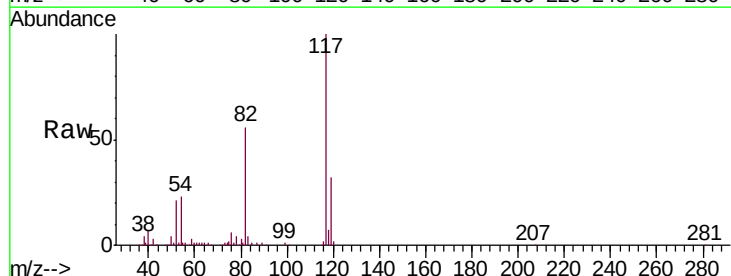
Tgt Ion: 117 Resp: 308796

Ion Ratio Lower Upper

117 100

82 56.2 45.8 68.6

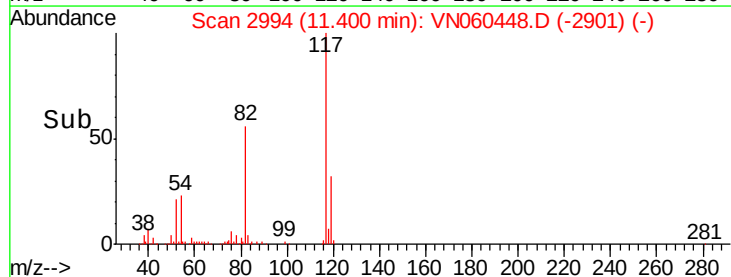
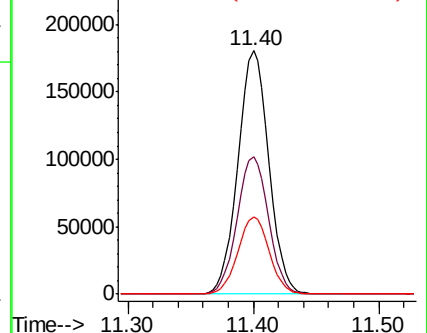
119 31.7 25.8 38.8

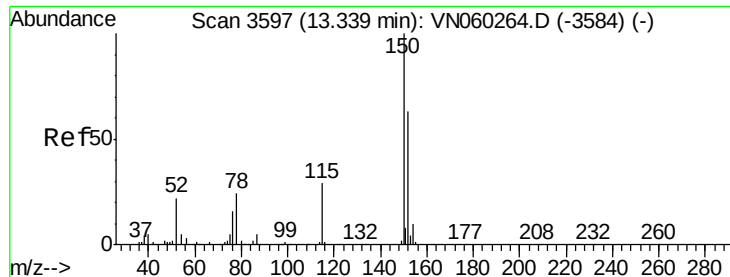


Abundance Ion 116.90 (116.60 to 117.60): VN060448.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060448.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060448.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

TP-7-DA

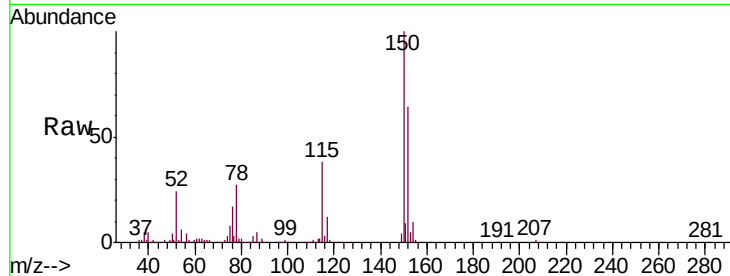
Tgt Ion:152 Resp: 143699

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

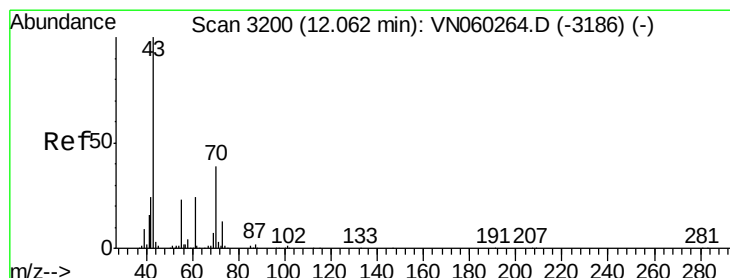
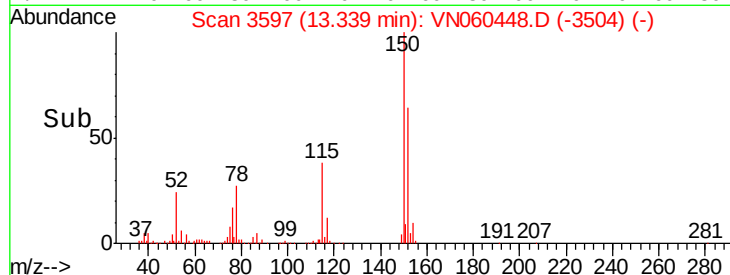
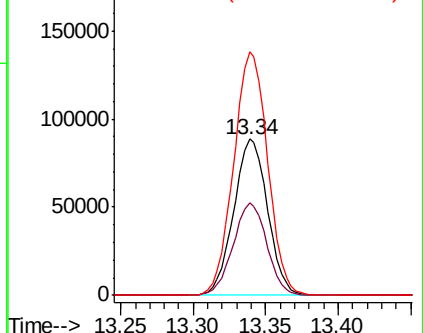
150 156.8 0.0 349.6



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: 0.780 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Tgt Ion: 43 Resp: 3631

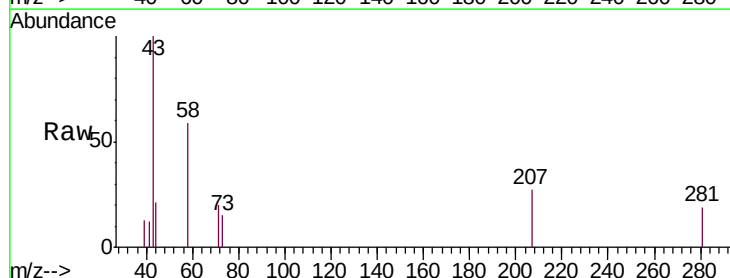
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

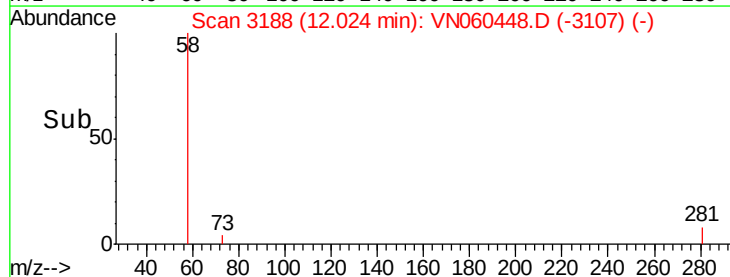
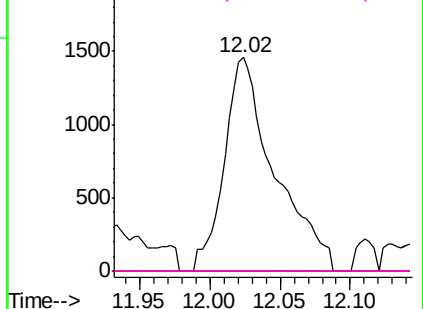


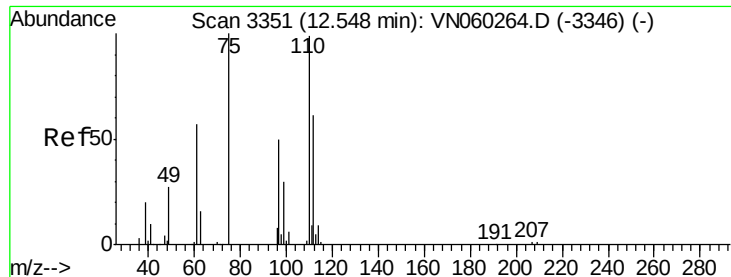
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.457 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

Instrument :

MSVOA_N

ClientSampled :

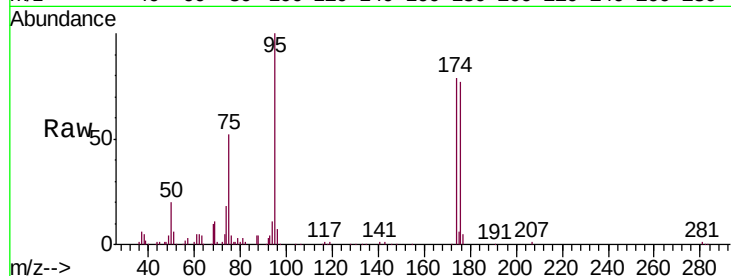
TP-7-DA

Tgt Ion: 75 Resp: 77107

Ion Ratio Lower Upper

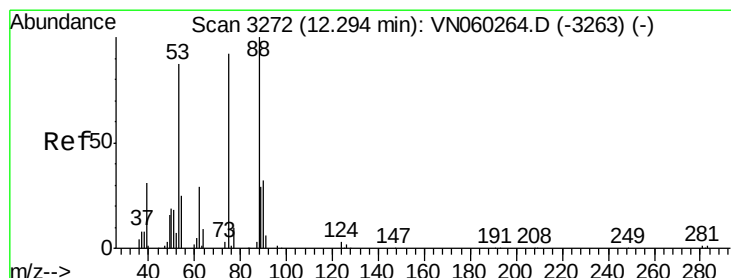
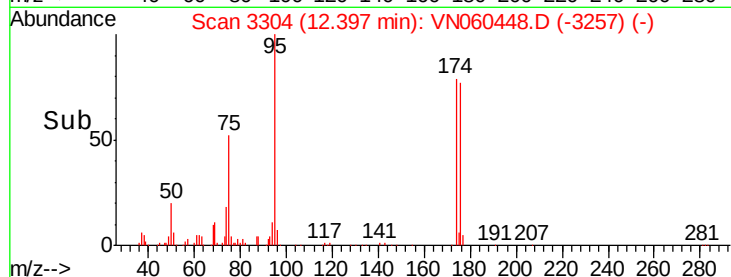
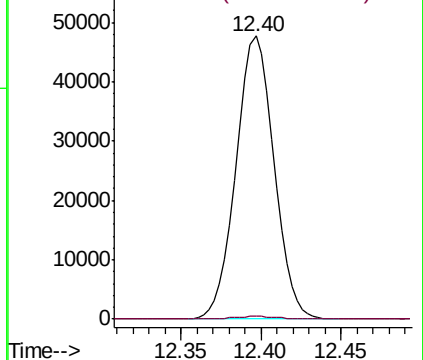
75 100

77 1.1 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: 67.513 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060448.D

Acq: 11 Mar 2020 14:26

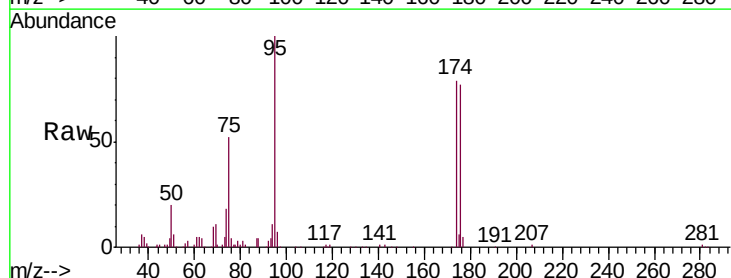
Tgt Ion: 75 Resp: 77107

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

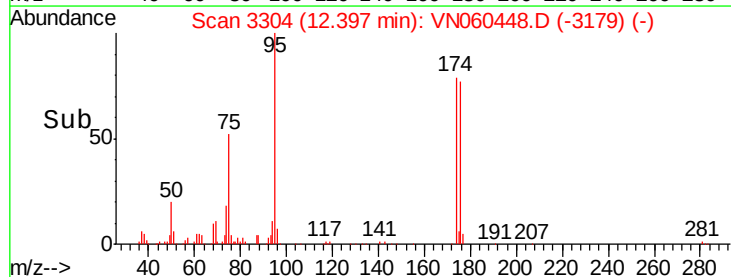
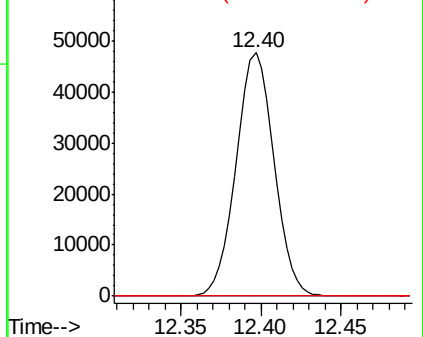
89 0.0 57.1 85.7#

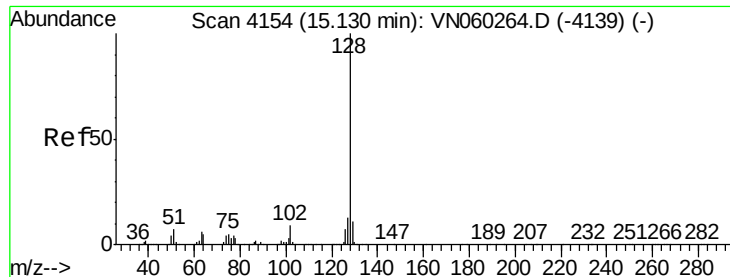


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

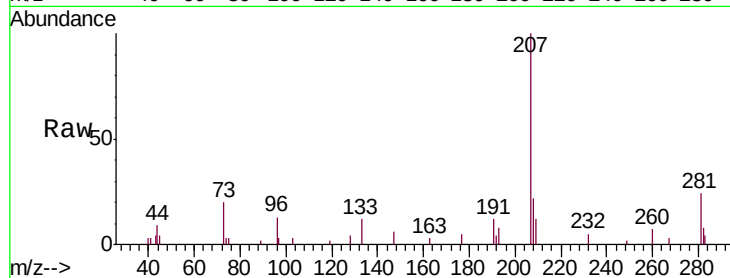




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060448.D
Acq: 11 Mar 2020 14:26

Instrument :
MSVOA_N
ClientSampleId :
TP-7-DA

Tgt 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

