

Data File : VN060441.D
Acq On : 11 Mar 2020 11:48
Operator : JC/MD
Sample : L1755-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

Quant Time: Mar 12 03:35:20 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	203091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130993	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.57	113	98662	63.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.28%	
50) Toluene-d8	10.08	98	415201	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	153936	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds					Qvalue	
16) Acetone	3.79	43	8207	9.753	ug/l	96
17) Carbon Disulfide	4.02	76	218	Below Cal	#	75
18) Methyl Acetate	4.31	43	1939	0.691	ug/l #	65
20) Methylene Chloride	4.52	84	10101	4.371	ug/l	93
25) 2-Butanone	6.81	43	1546	1.137	ug/l #	49
31) Cyclohexane	7.64	56	4098	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15963	4.976	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19145	6.129	ug/l #	15
43) Isopropyl Acetate	8.14	43	66826	12.566	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1087	0.445	ug/l #	44
48) Methyl methacrylate	9.16	41	3494	1.441	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5297	1.757	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	28411	6.945	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4540	1.180	ug/l #	42
59) 2-Hexanone	10.75	43	66881	30.209	ug/l #	52
74) N-amyl acetate	12.02	43	3052	0.652	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79487	25.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79487	69.147	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	286	Below Cal	#	74
88) 1,4-Dichlorobenzene	13.36	146	545	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	484	0.254	ug/l #	83
95) Naphthalene	15.13	128	1808	Below Cal	#	80
96) 1,2,3-Trichlorobenzene	15.31	180	438	Below Cal	#	80

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

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ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

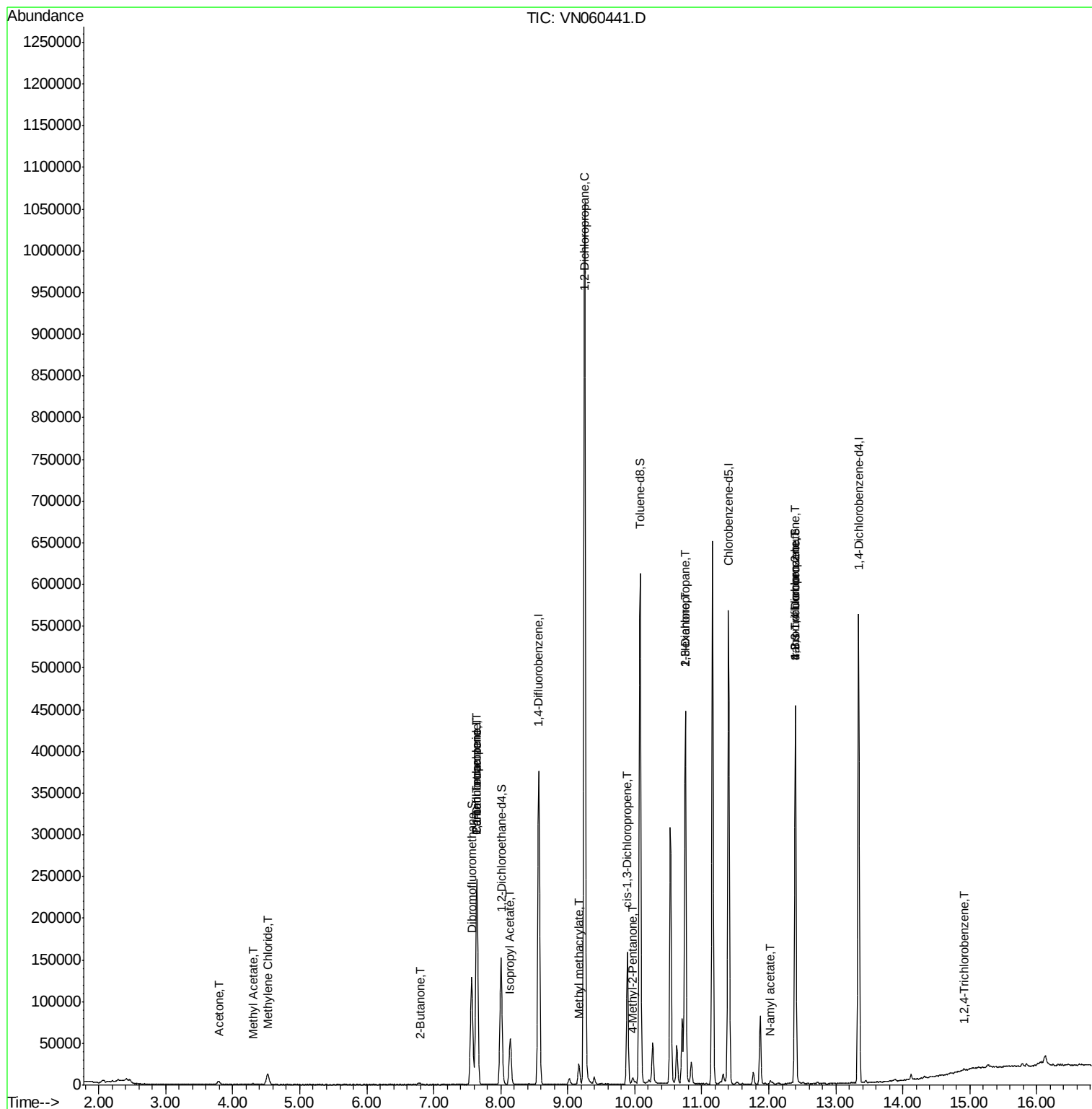
Quant Time: Mar 12 03:35:20 2020

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_N\METHODS\82N022720W.M

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: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

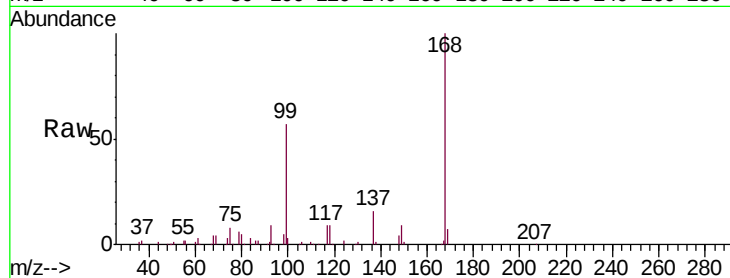
OK-03-031020

Tgt Ion:168 Resp: 203091

Ion Ratio Lower Upper

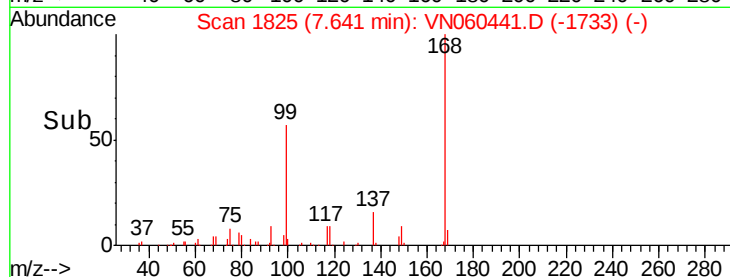
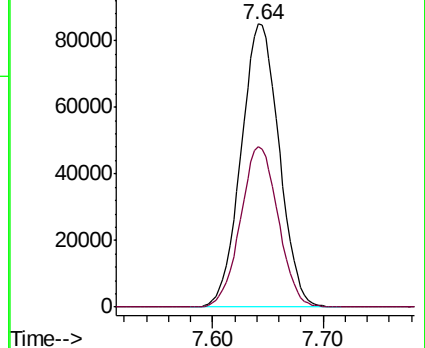
168 100

99 56.8 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: 9.753 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060441.D

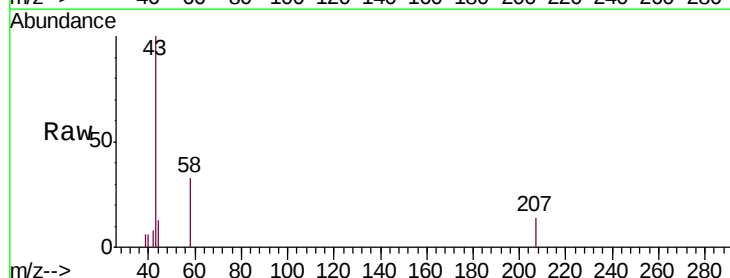
Acq: 11 Mar 2020 11:48

Tgt Ion: 43 Resp: 8207

Ion Ratio Lower Upper

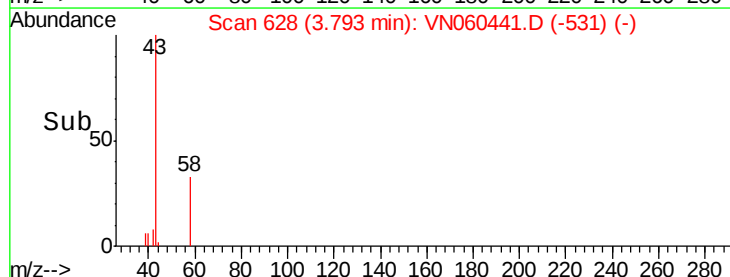
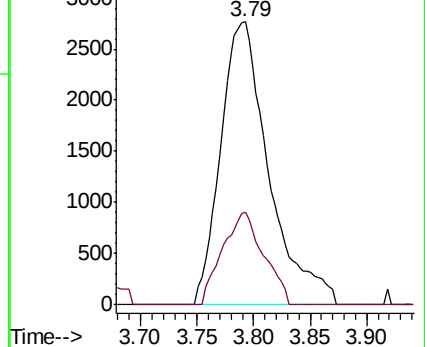
43 100

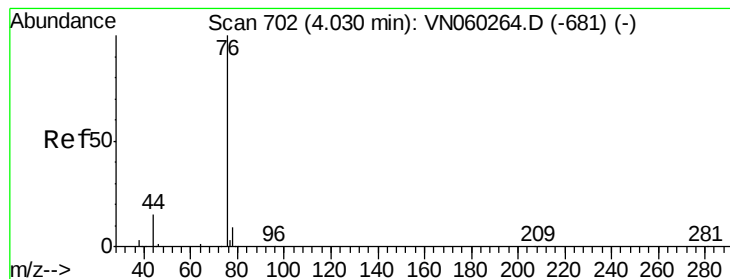
58 32.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

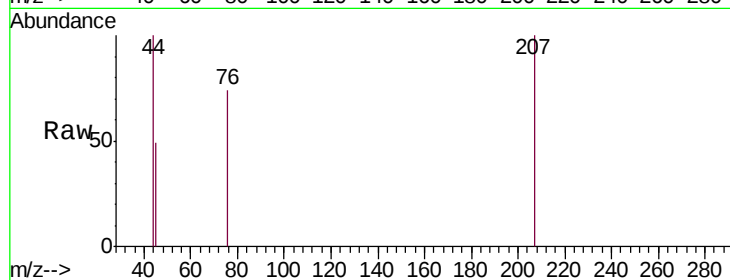
OK-03-031020

Tgt Ion: 76 Resp: 218

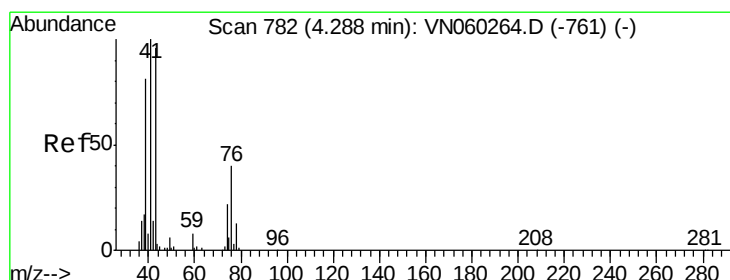
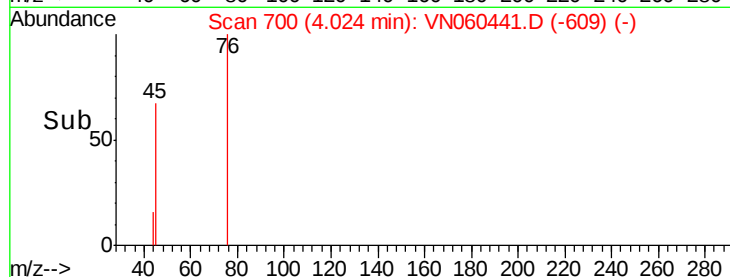
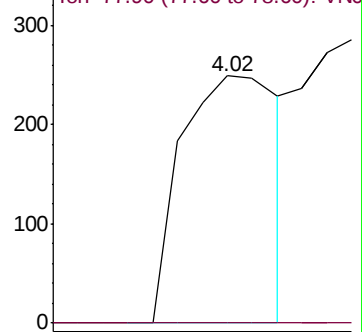
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)



#18

Methyl Acetate

Concen: 0.691 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060441.D

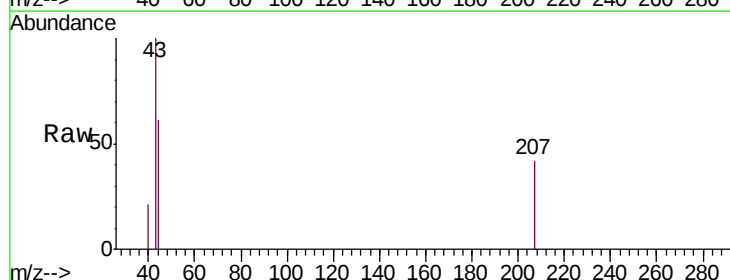
Acq: 11 Mar 2020 11:48

Tgt Ion: 43 Resp: 1939

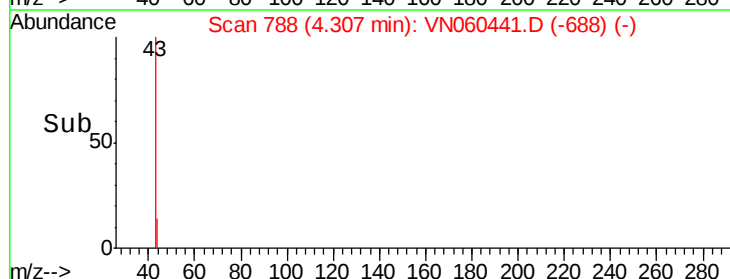
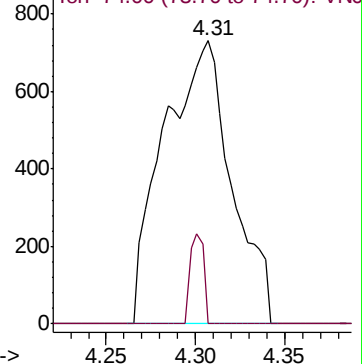
Ion Ratio Lower Upper

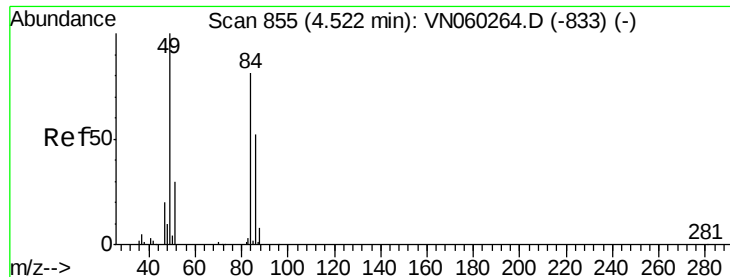
43 100

74 6.3 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-761) (-)

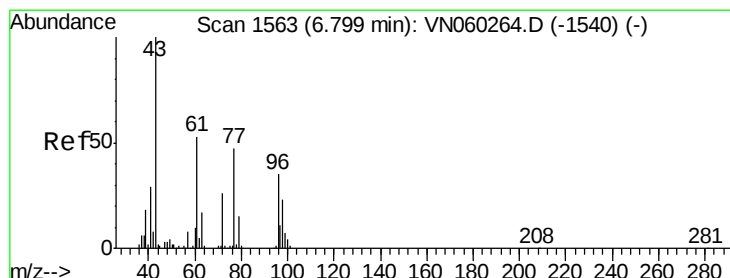
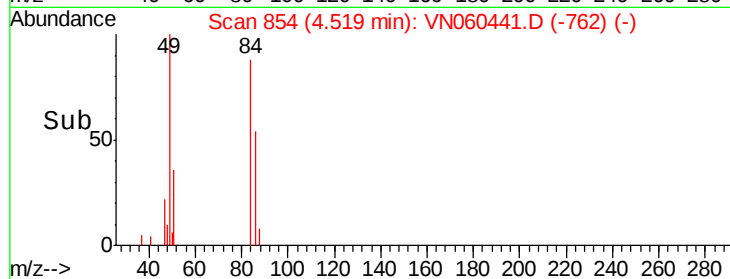
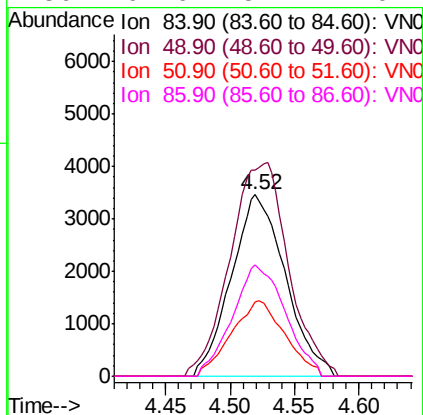
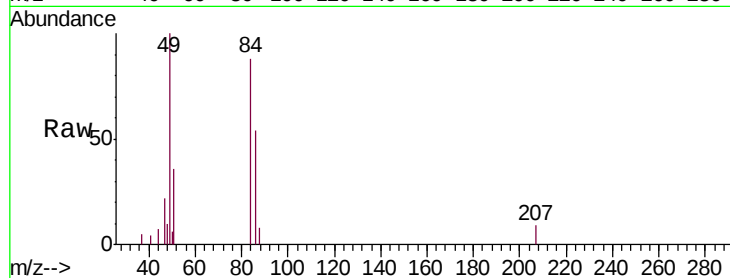




#20
Methylene Chloride
Concen: 4.371 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

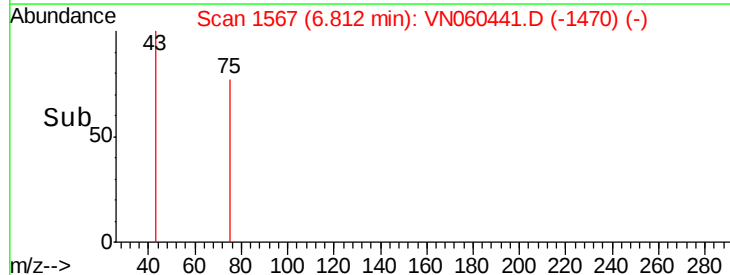
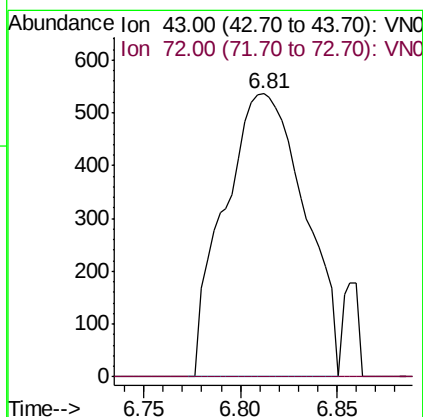
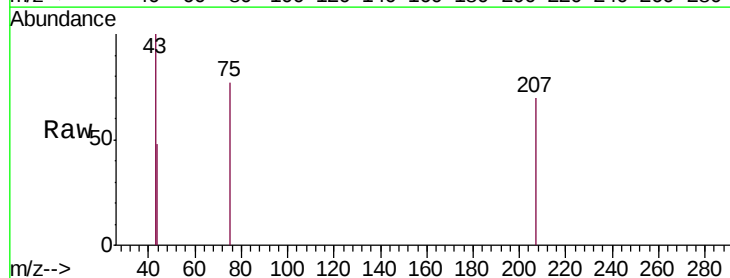
Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

Tgt Ion:	84	Resp:	10101
Ion	Ratio	Lower	Upper
84	100		
49	113.7	99.3	148.9
51	40.8	30.1	45.1
86	61.6	51.1	76.7



#25
2-Butanone
Concen: 1.137 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Tgt Ion:	43	Resp:	1546
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#





#33

1,2-Dichloroethane-d4

Concen: 50.272 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

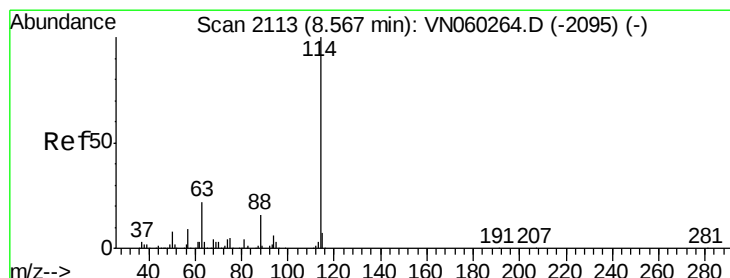
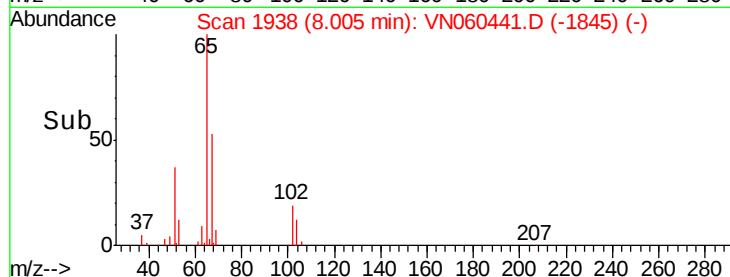
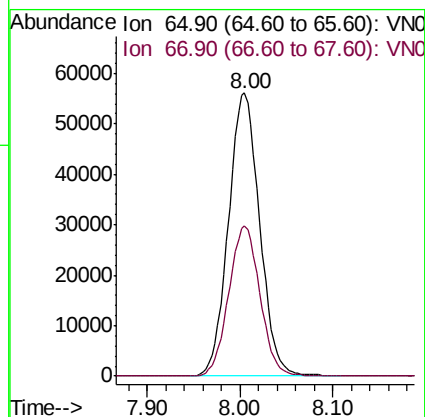
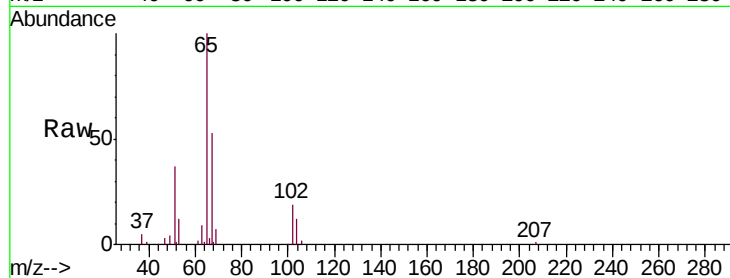
OK-03-031020

Tgt Ion: 65 Resp: 130993

Ion Ratio Lower Upper

65 100

67 53.0 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: VN060441.D

Acq: 11 Mar 2020 11:48

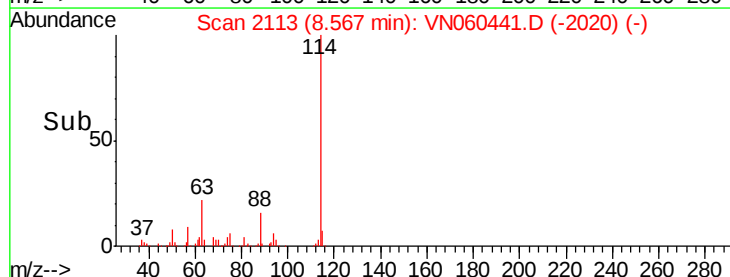
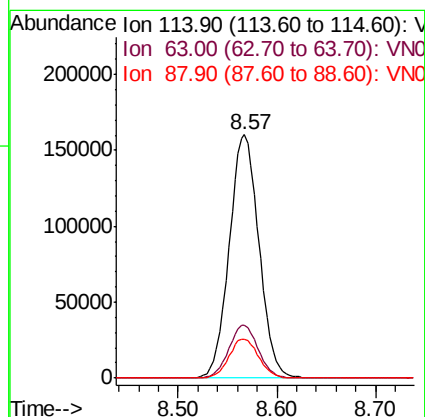
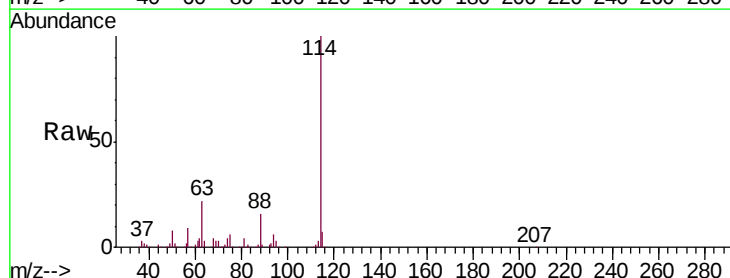
Tgt Ion: 114 Resp: 336628

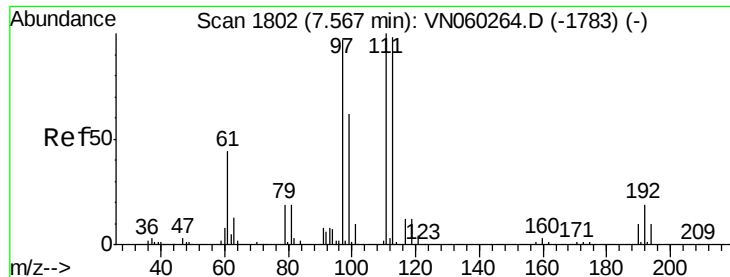
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 15.8 0.0 31.6

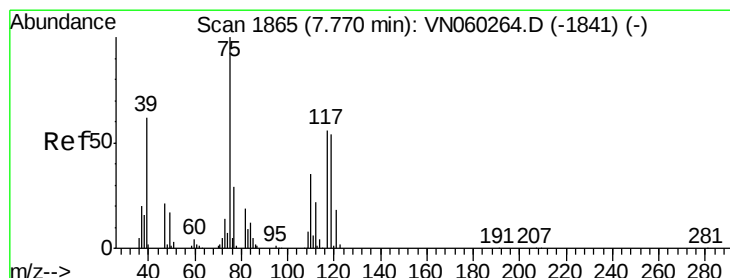
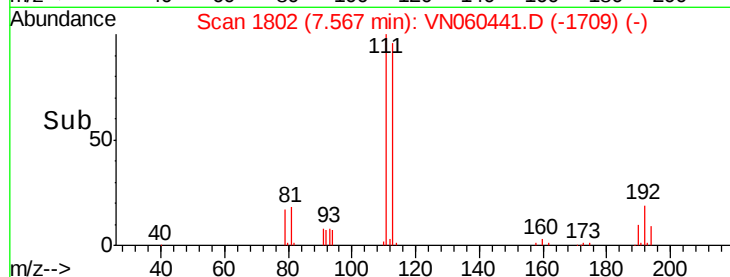
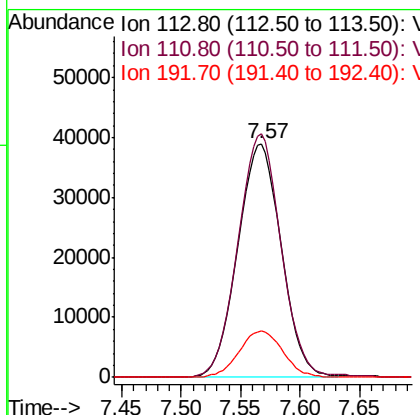
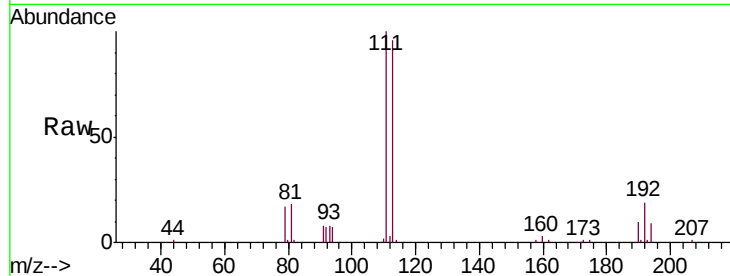




#35
 Dibromofluoromethane
 Concen: 63.143 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060441.D
 Acq: 11 Mar 2020 11:48

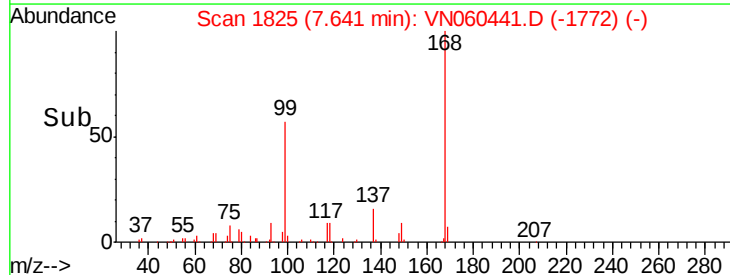
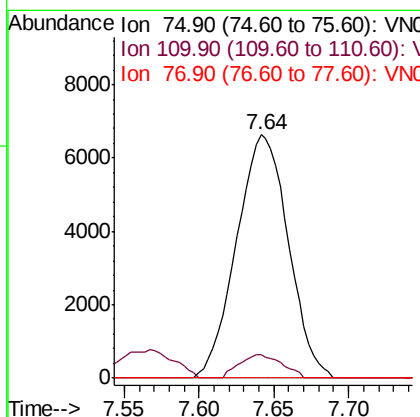
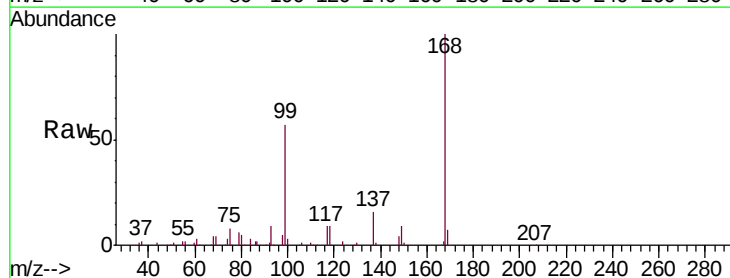
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-031020

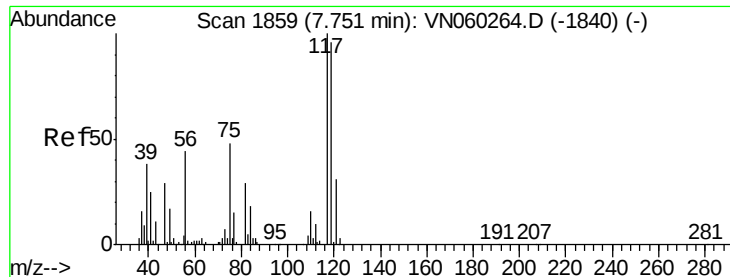
Tgt Ion:113 Resp: 98662
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060441.D
 Acq: 11 Mar 2020 11:48

Tgt Ion: 75 Resp: 15963
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

OK-03-031020

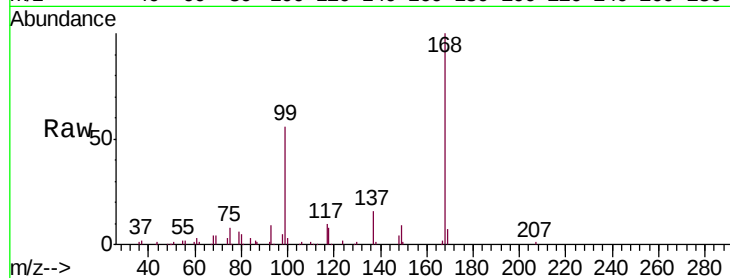
Tgt Ion: 117 Resp: 19145

Ion Ratio Lower Upper

117 100

119 4.1 76.7 115.1#

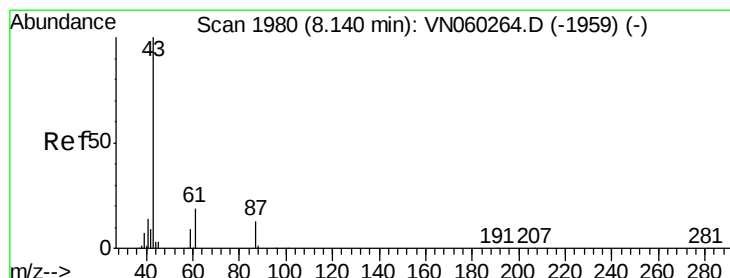
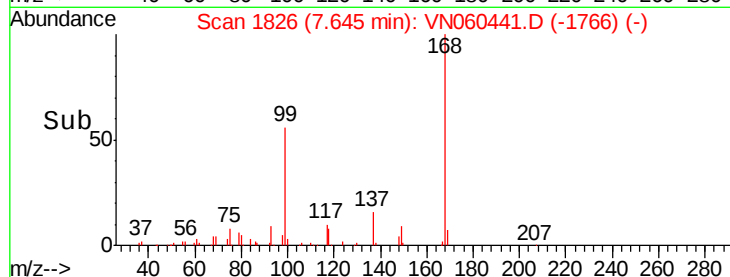
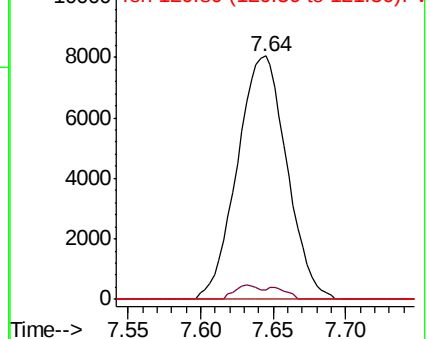
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 12.566 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

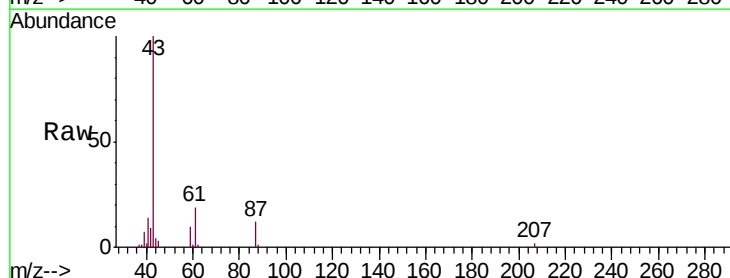
Tgt Ion: 43 Resp: 66826

Ion Ratio Lower Upper

43 100

61 18.9 20.9 31.3#

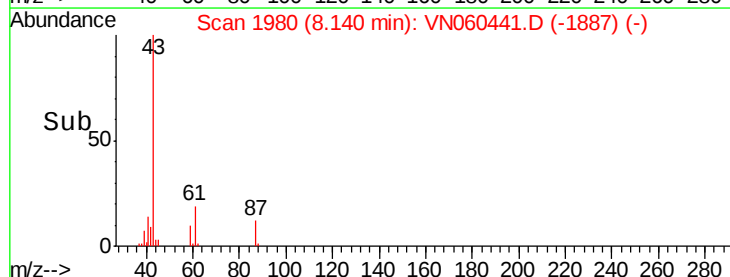
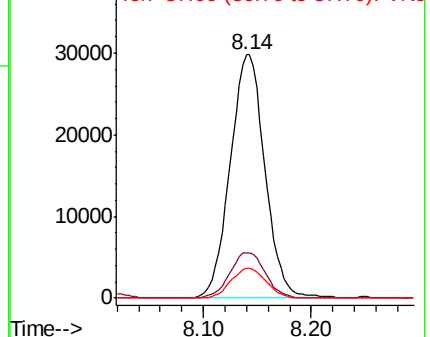
87 12.2 10.6 16.0

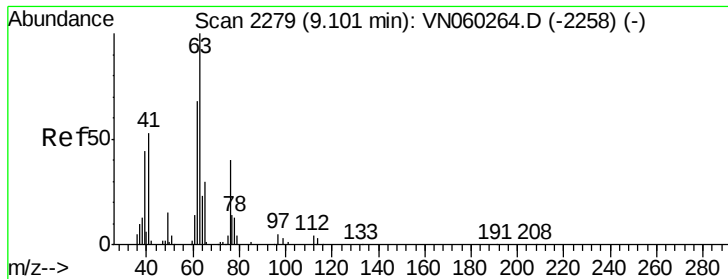


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.445 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

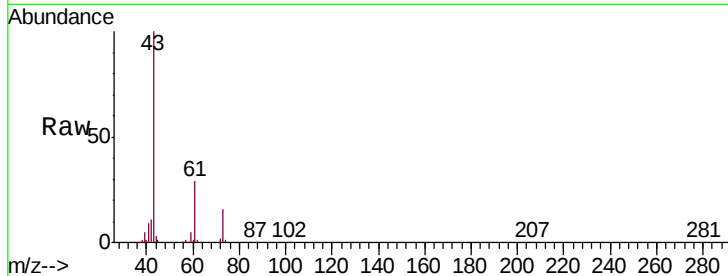
OK-03-031020

Tgt Ion: 63 Resp: 1087

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.25

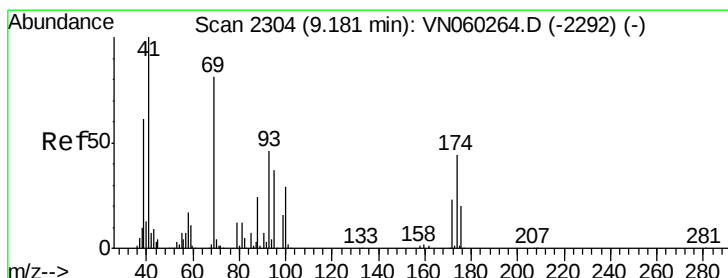
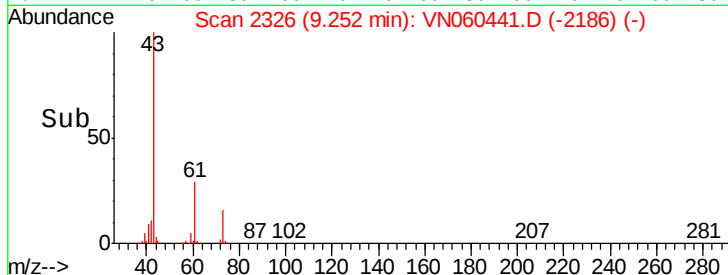
600

400

200

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.441 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

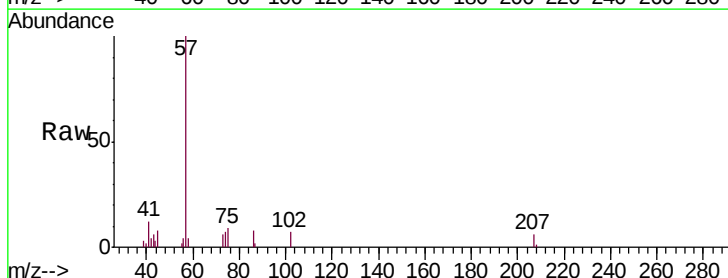
Tgt Ion: 41 Resp: 3494

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

60000

50000

40000

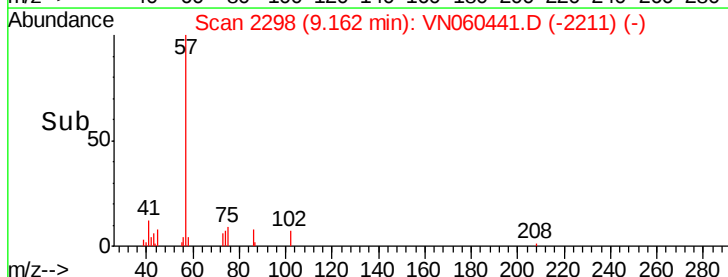
30000

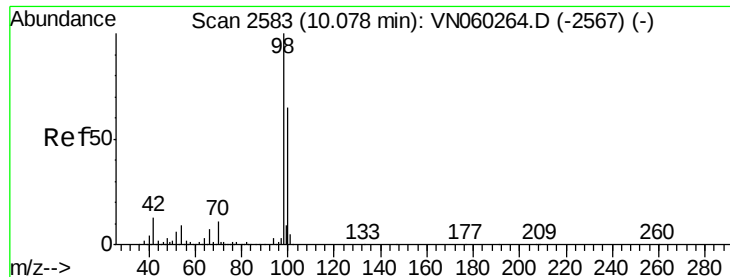
20000

10000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 52.503 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

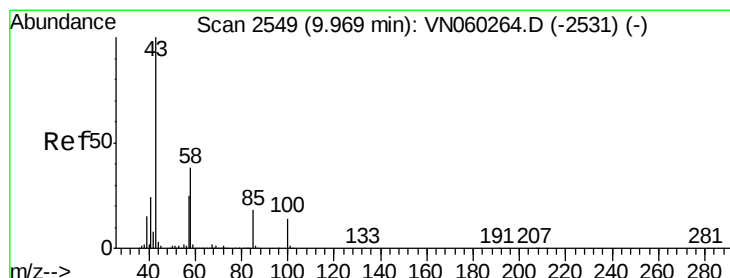
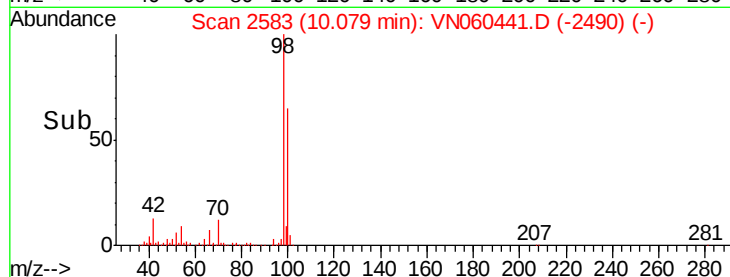
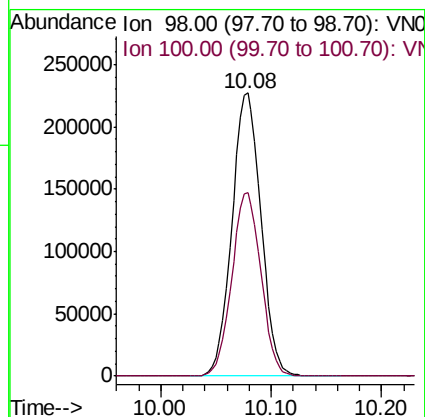
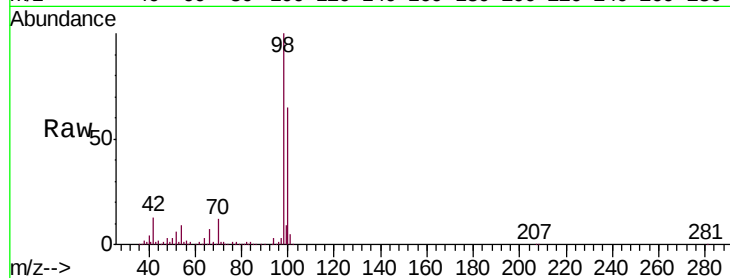
OK-03-031020

Tgt Ion: 98 Resp: 415201

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.757 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060441.D

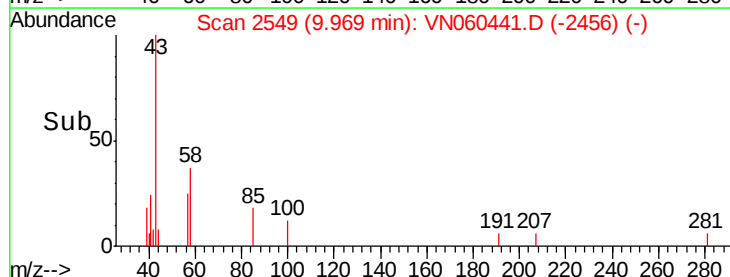
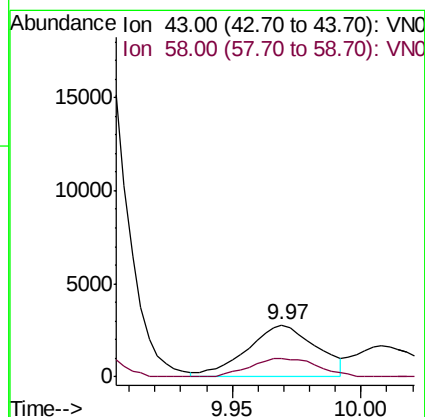
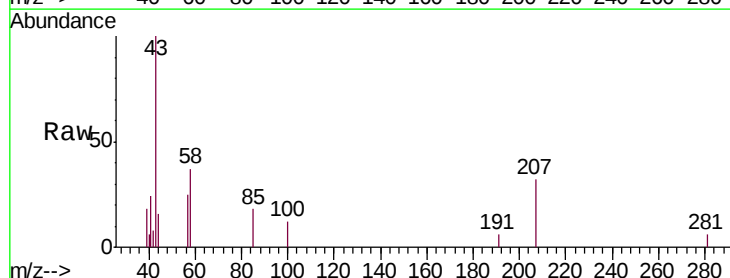
Acq: 11 Mar 2020 11:48

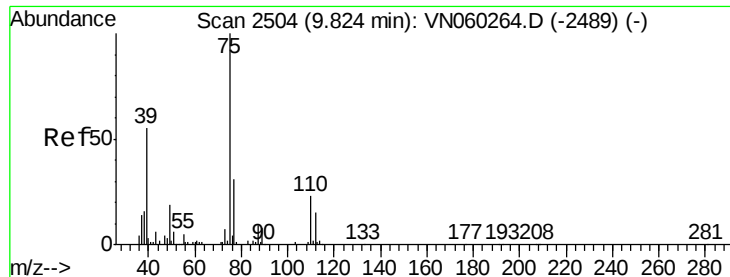
Tgt Ion: 43 Resp: 5297

Ion Ratio Lower Upper

43 100

58 34.1 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.945 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

OK-03-031020

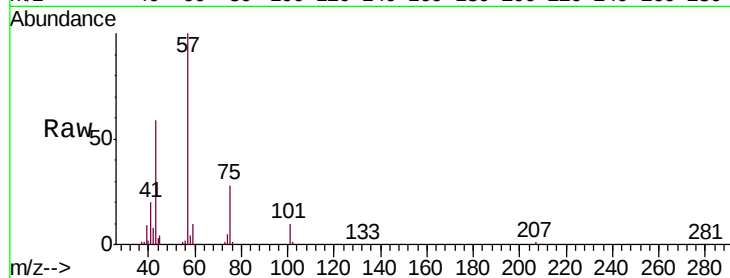
Tgt Ion: 75 Resp: 28411

Ion Ratio Lower Upper

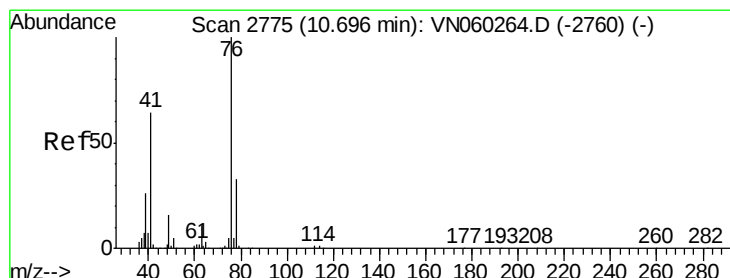
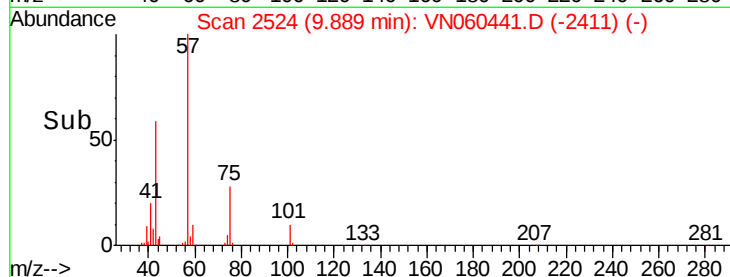
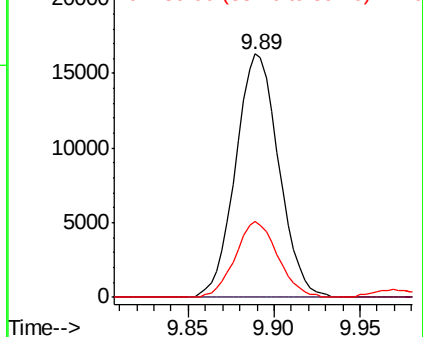
75 100

77 0.0 24.8 37.2#

39 31.1 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.180 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060441.D

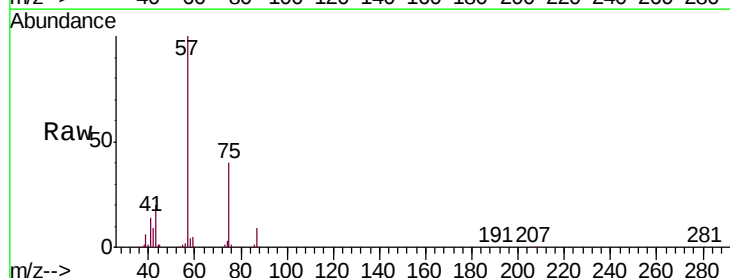
Acq: 11 Mar 2020 11:48

Tgt Ion: 76 Resp: 4540

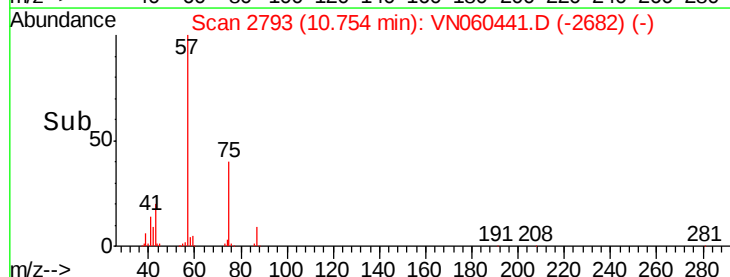
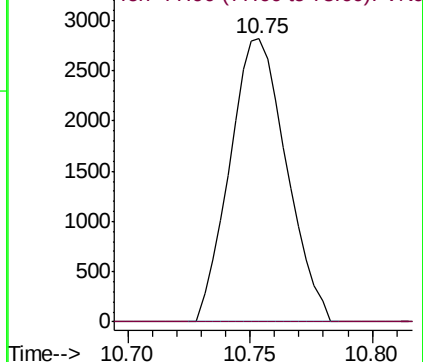
Ion Ratio Lower Upper

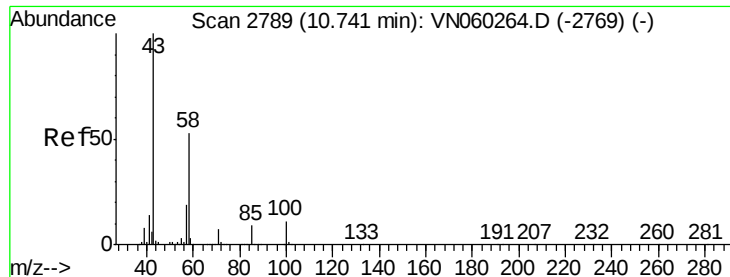
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

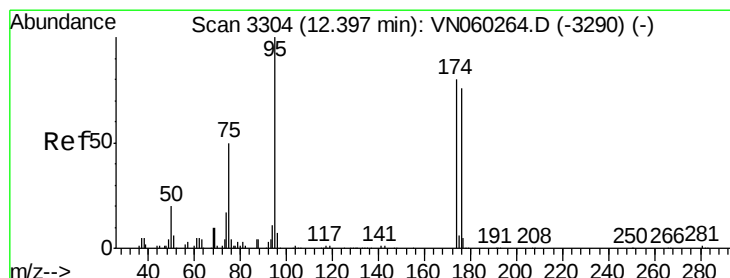
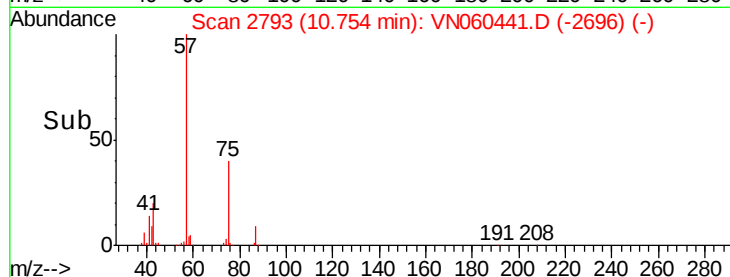
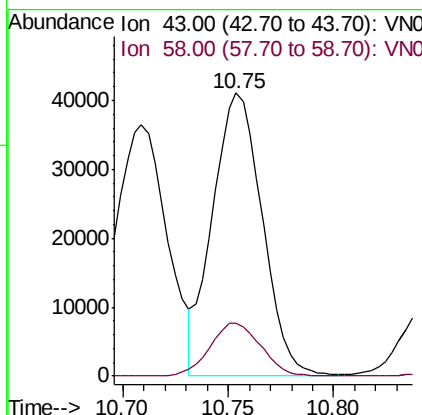
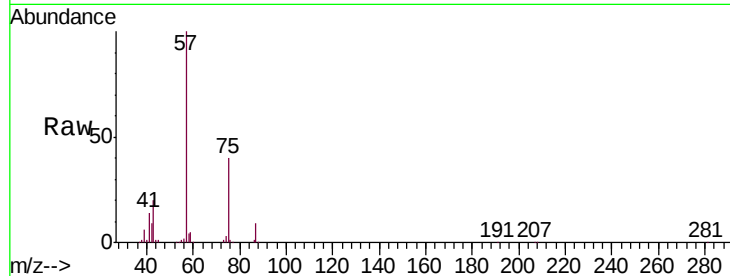




#59
2-Hexanone
Concen: 30.209 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

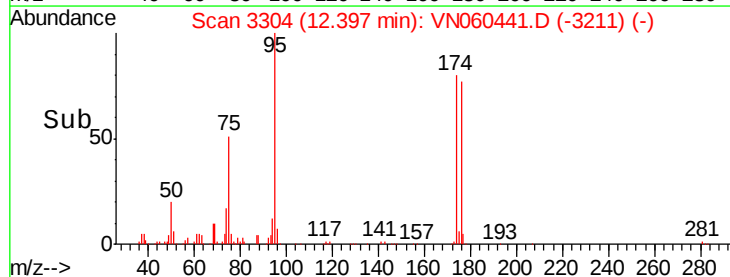
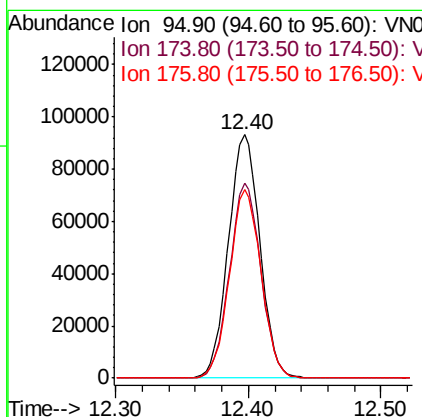
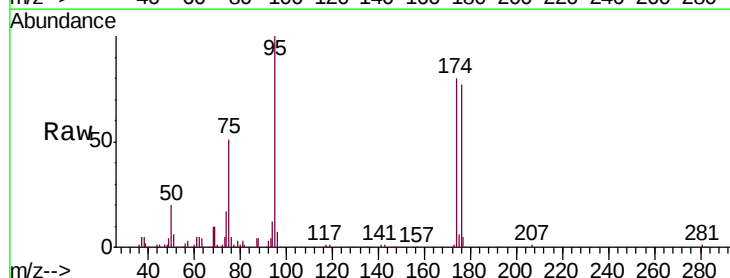
Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

Tgt Ion: 43 Resp: 66881
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.350 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Tgt Ion: 95 Resp: 153936
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 77.5 0.0 153.8

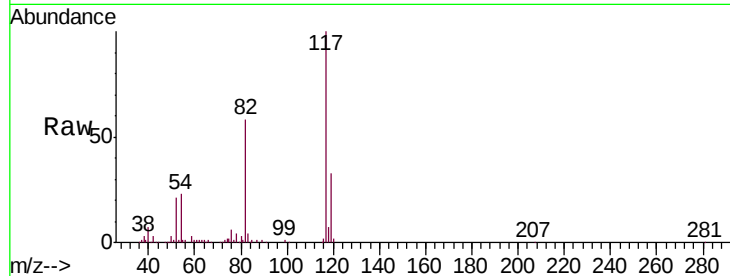




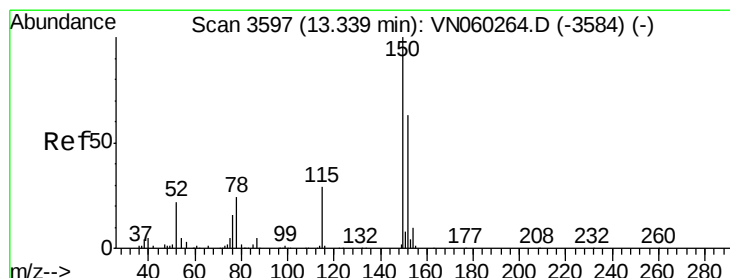
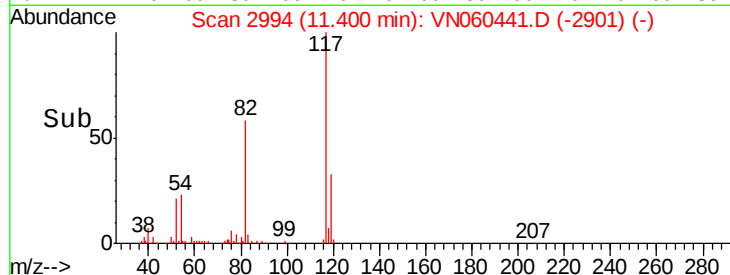
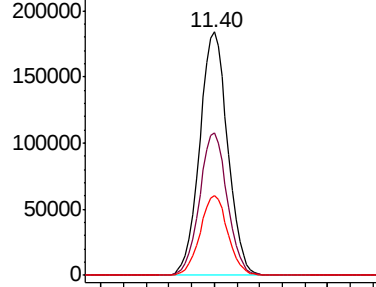
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

Tgt Ion:117 Resp: 316401
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.6
119 32.7 25.8 38.8

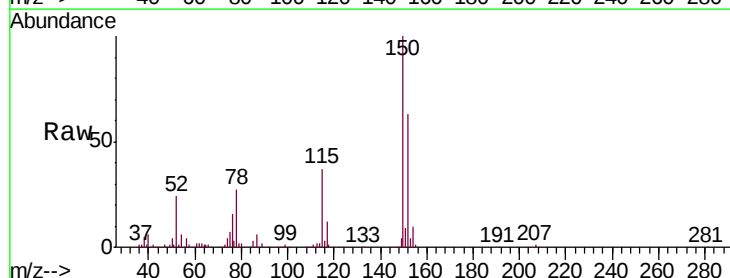


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

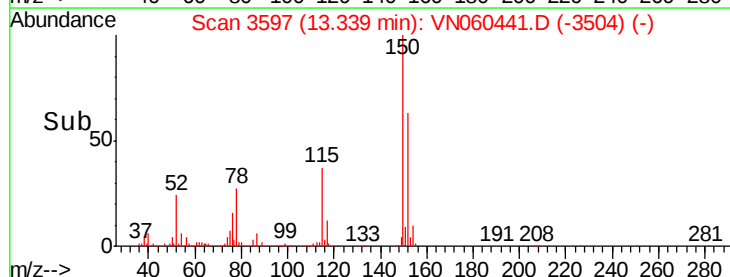
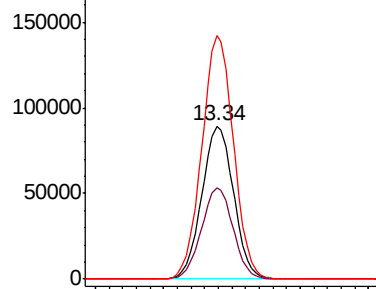


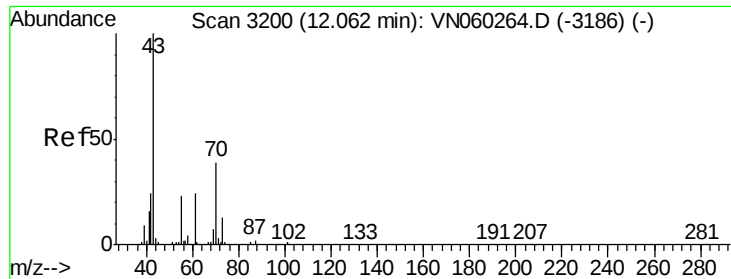
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Tgt Ion:152 Resp: 144633
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 158.2 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

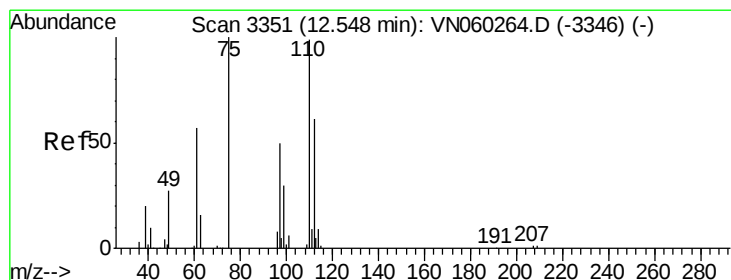
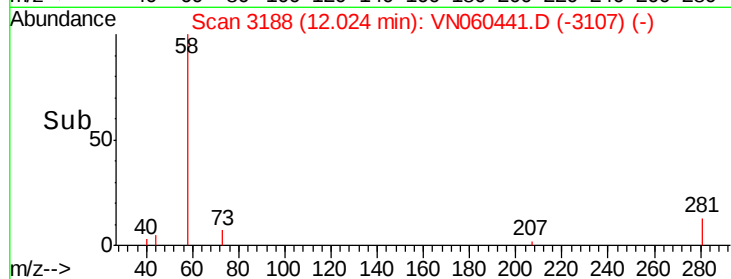
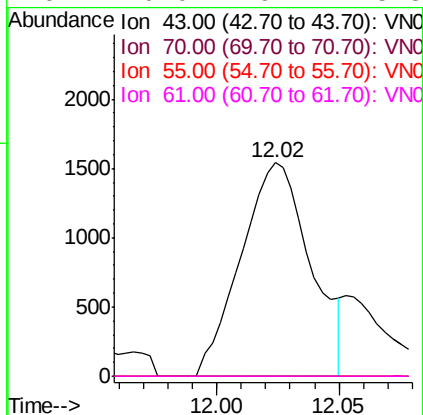
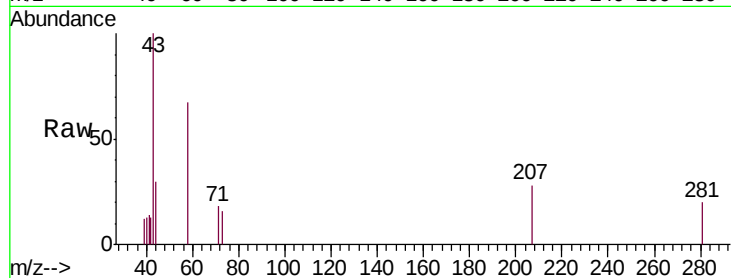




#74
N-amyI acetate
Concen: 0.652 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

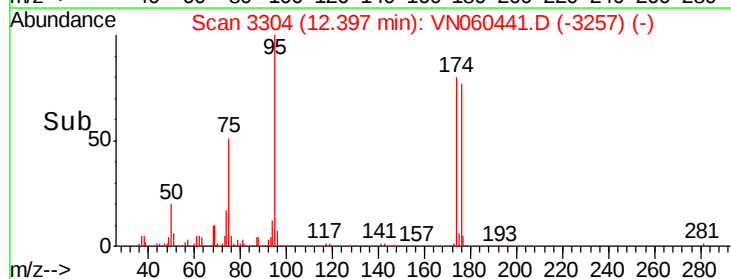
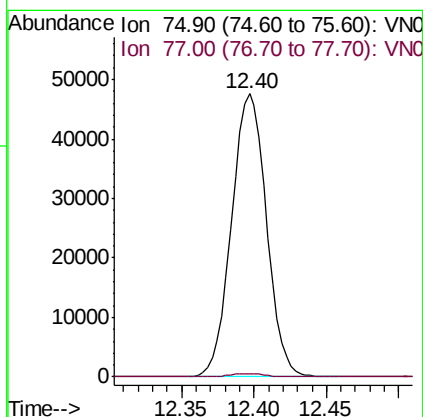
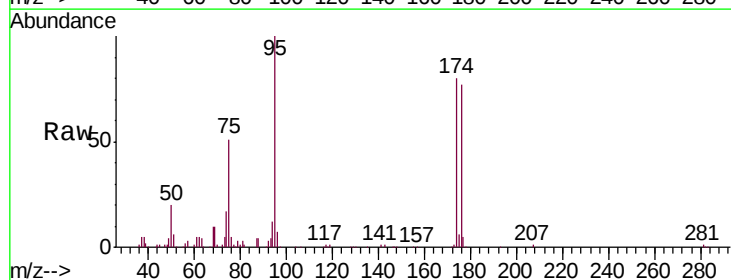
Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

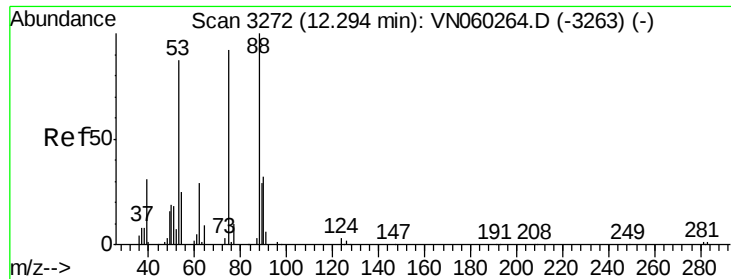
Tgt Ion:	43	Resp:	3052
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	0.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 25.049 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Tgt Ion:	75	Resp:	79487
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

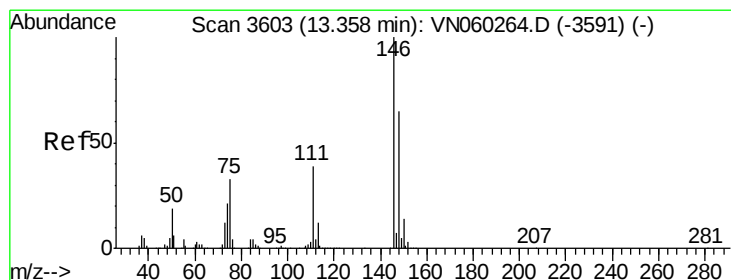
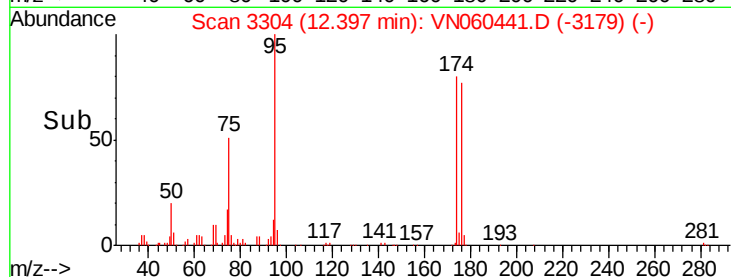
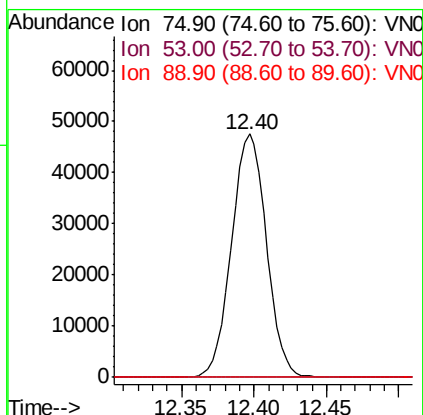
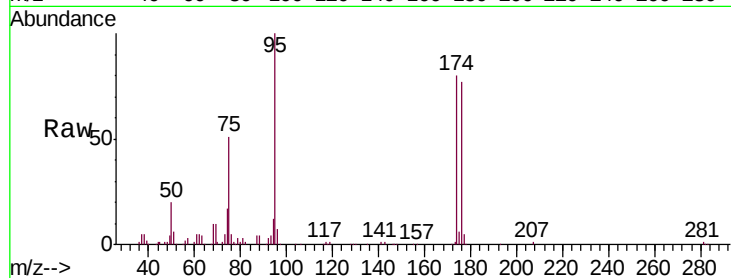




#81
trans-1,4-Dichloro-2-butene
Concen: 69.147 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

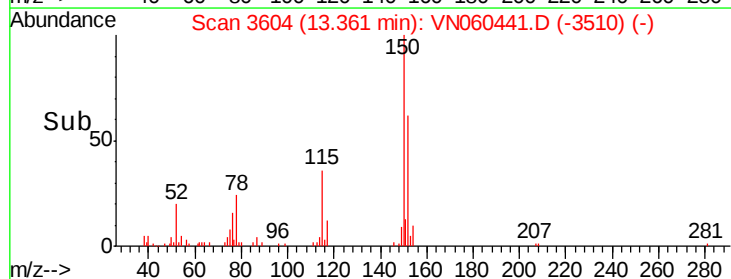
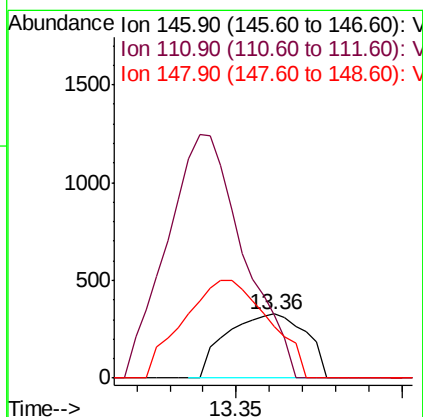
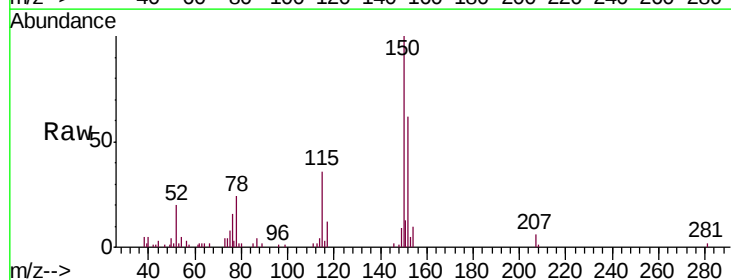
Instrument :
MSVOA_N
ClientSampleId :
OK-03-031020

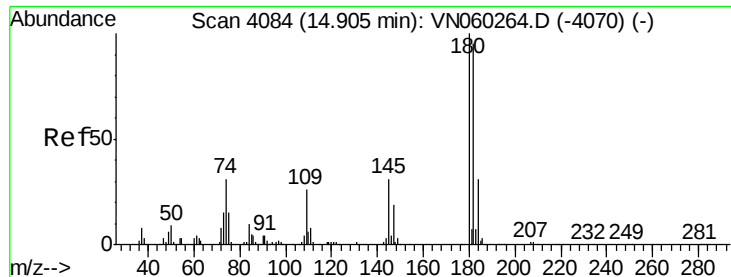
Tgt Ion: 75 Resp: 79487
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060441.D
Acq: 11 Mar 2020 11:48

Tgt Ion: 146 Resp: 545
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060441.D

Acq: 11 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

OK-03-031020

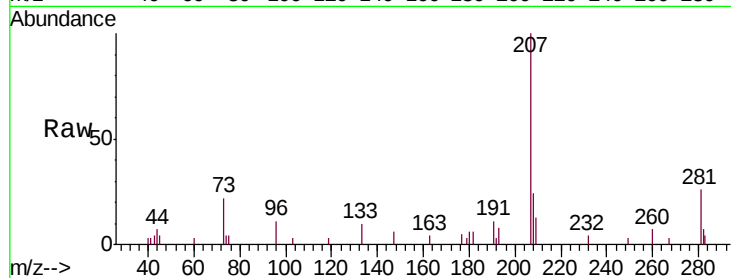
Tgt Ion:180 Resp: 484

Ion Ratio Lower Upper

180 100

182 99.8 47.8 143.3

145 0.0 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

