

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060964.D
 Acq On : 15 Apr 2020 16:14
 Operator : JC/MD
 Sample : L2245-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:35:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105550	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	99645	47.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.20%	
35) Dibromofluoromethane	7.56	113	76665	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
50) Toluene-d8	10.08	98	320317	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	118361	50.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.84%	

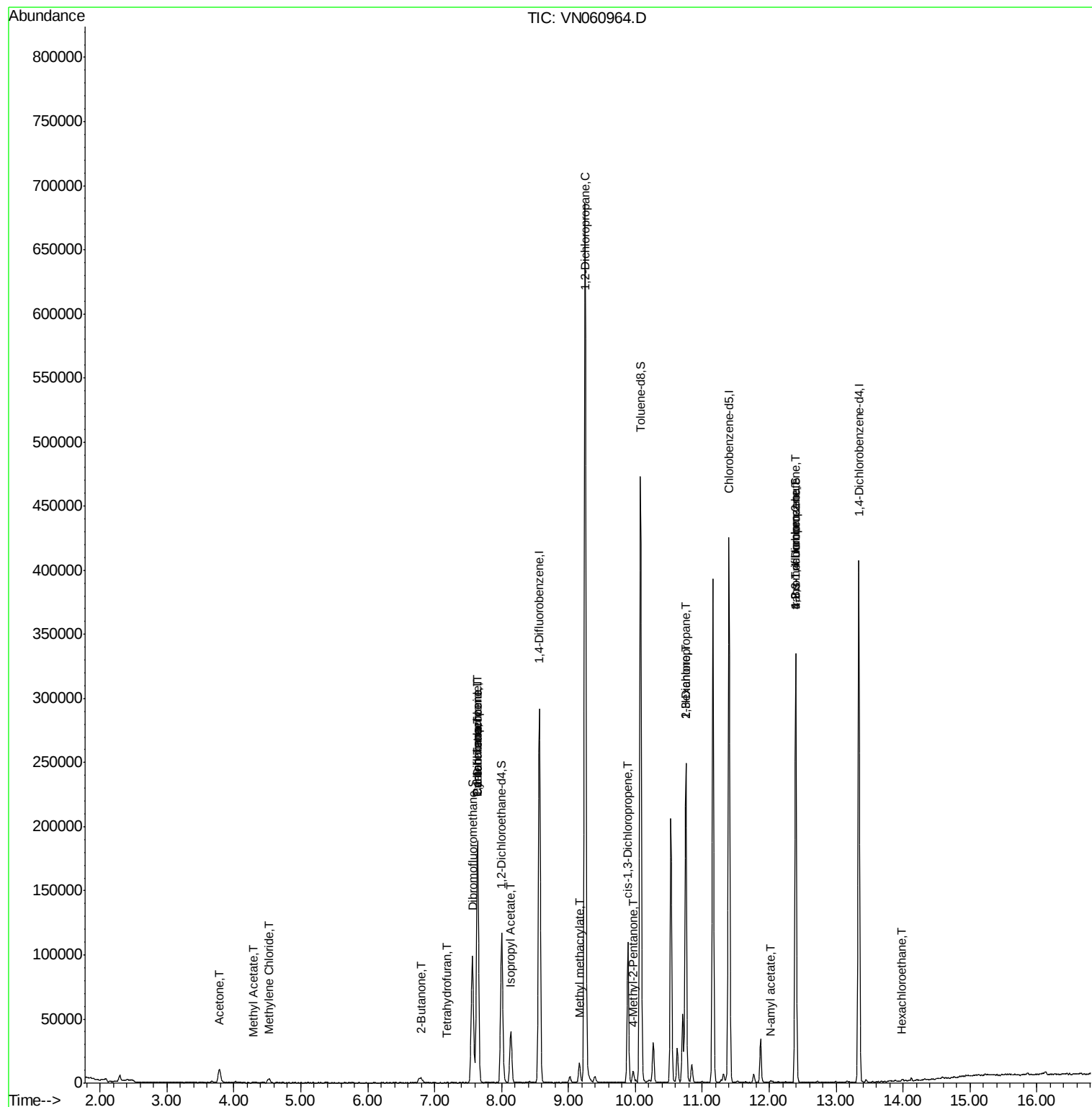
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	19279	26.002	ug/l	100
18) Methyl Acetate	4.29	43	1501	0.719	ug/l #	54
20) Methylene Chloride	4.52	84	2497	1.369	ug/l	89
25) 2-Butanone	6.80	43	5674	4.729	ug/l	97
29) Tetrahydrofuran	7.18	42	210	0.247	ug/l #	35
31) Cyclohexane	7.64	56	3312	0.982	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12152	4.887	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14702	6.597	ug/l #	17
43) Isopropyl Acetate	8.14	43	48376	10.917	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	796	0.402	ug/l #	43
48) Methyl methacrylate	9.16	41	2279	1.155	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6912	2.741	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	18963	6.047	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2495	0.824	ug/l #	42
59) 2-Hexanone	10.75	43	37451	20.618	ug/l #	51
74) N-amyl acetate	12.02	43	1745	0.477	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	60659	26.633	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60659	68.403	ug/l #	13
90) Hexachloroethane	13.99	117	1042	1.064	ug/l #	8

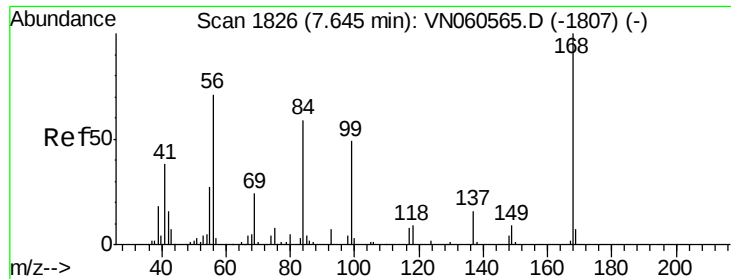
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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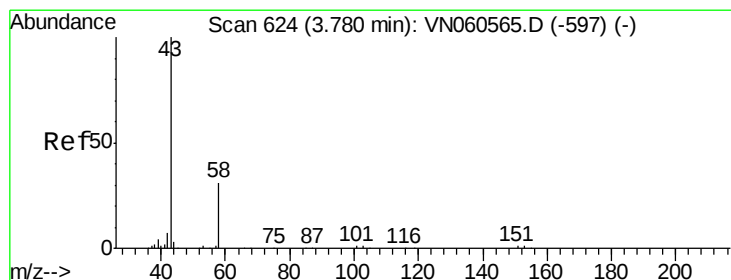
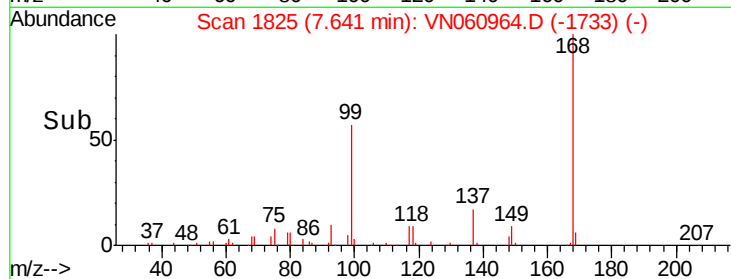
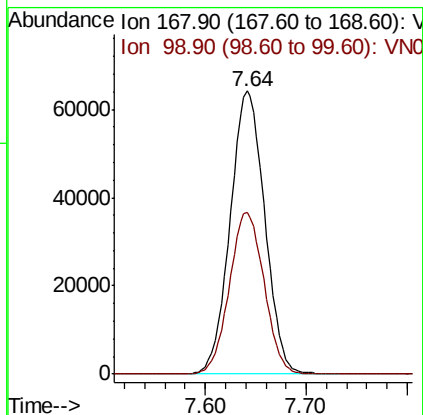
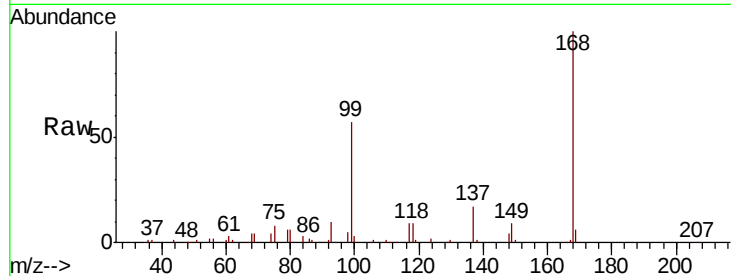




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

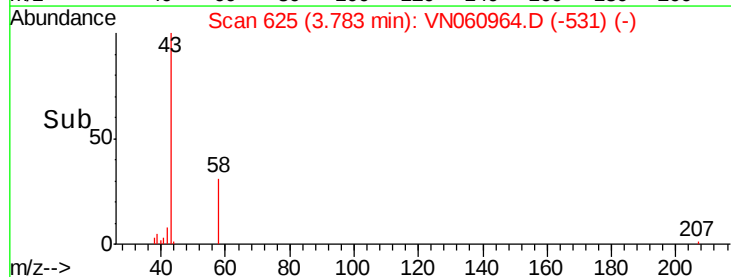
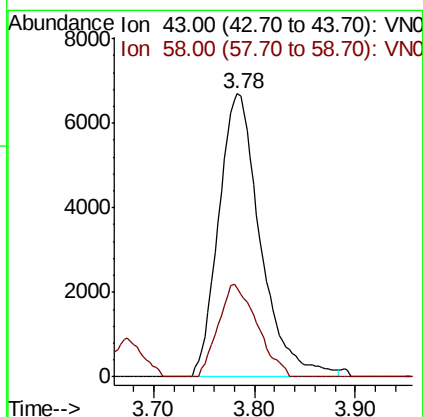
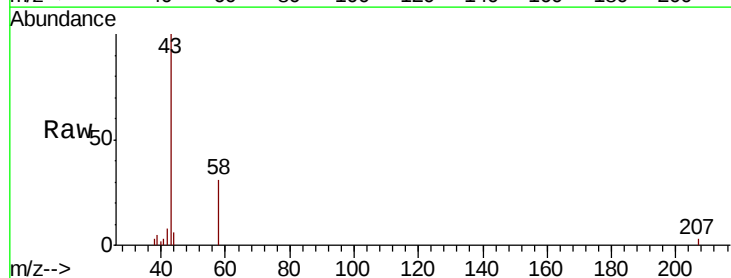
Instrument :
MSVOA_N
ClientSampleId :

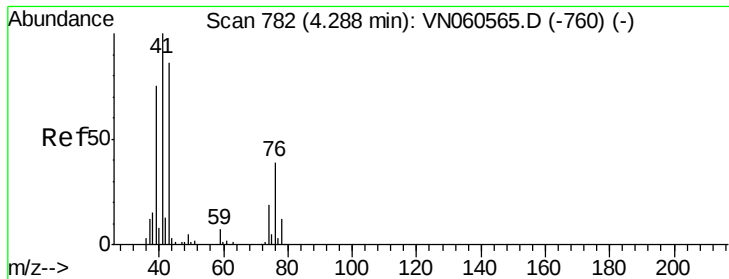
Tot Ion:168 Resp: 152480
Ion Ratio Lower Upper
168 100
99 57.3 44.0 66.0



#16
Acetone
Concen: 26.002 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Tgt Ion: 43 Resp: 19279
Ion Ratio Lower Upper
43 100
58 31.3 25.1 37.7

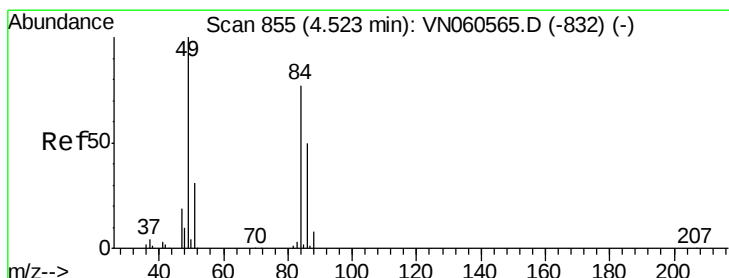
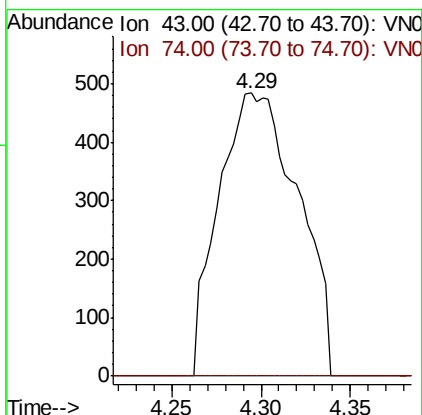
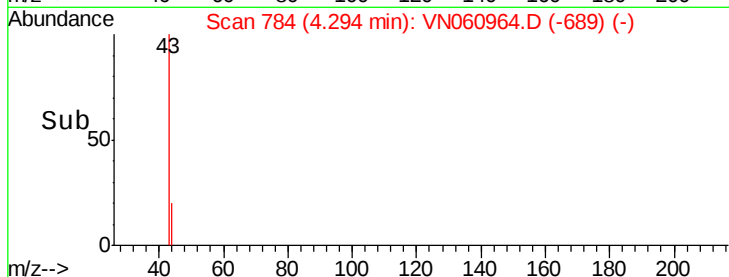
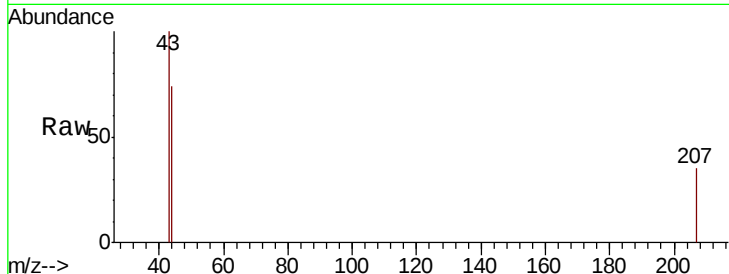




#18
Methyl Acetate
Concen: 0.719 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

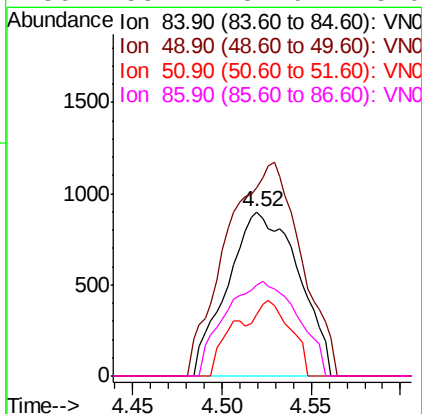
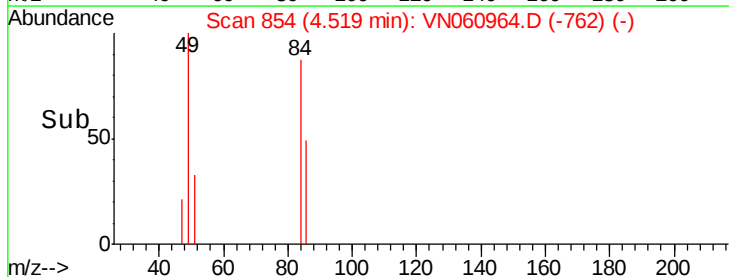
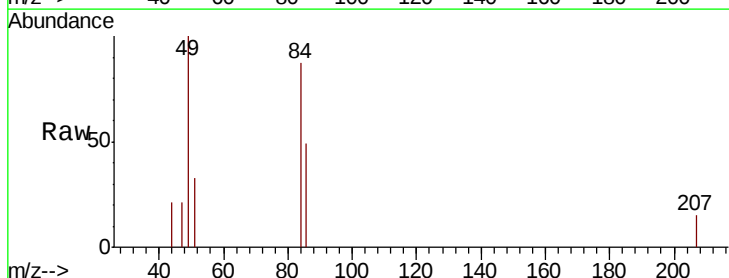
Instrument :
MSVOA_N
ClientSampled :

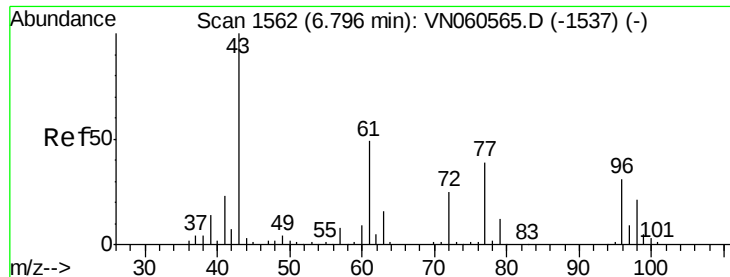
Tot Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.369 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Tgt Ion: 84 Resp: 2497
Ion Ratio Lower Upper
84 100
49 114.8 103.3 154.9
51 37.4 31.6 47.4
86 55.7 52.0 78.0

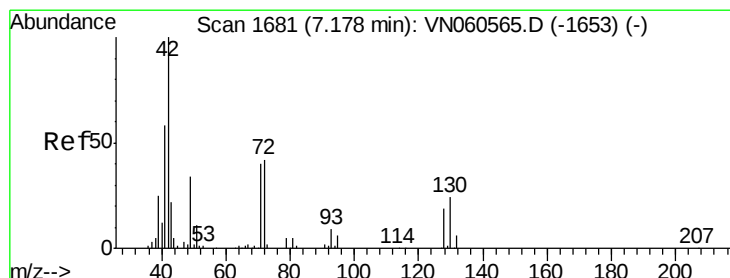
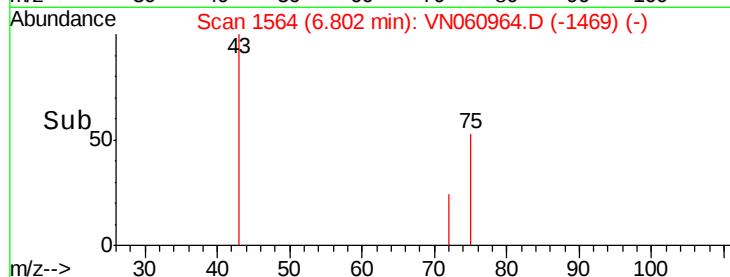
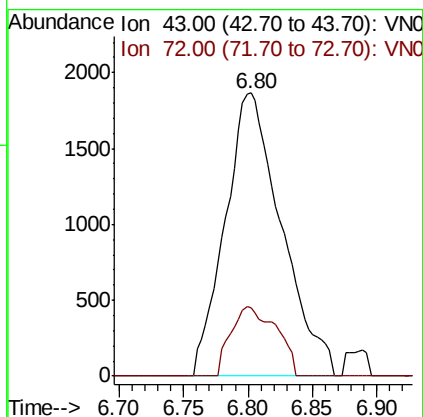
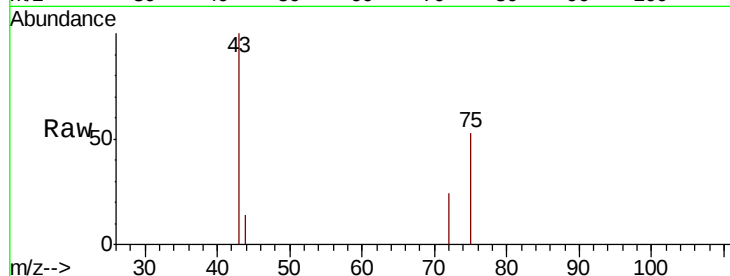




#25
2-Butanone
Concen: 4.729 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

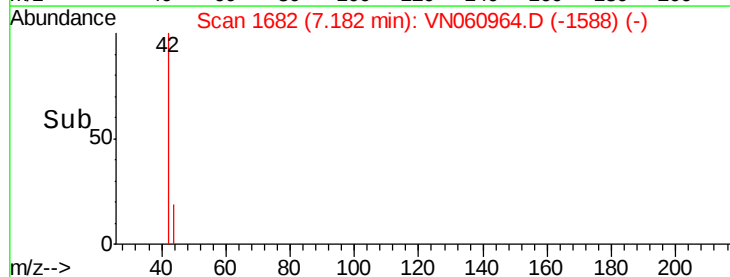
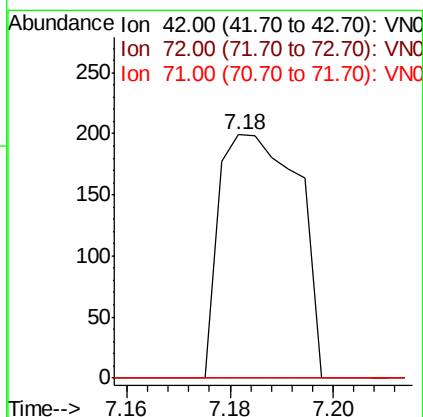
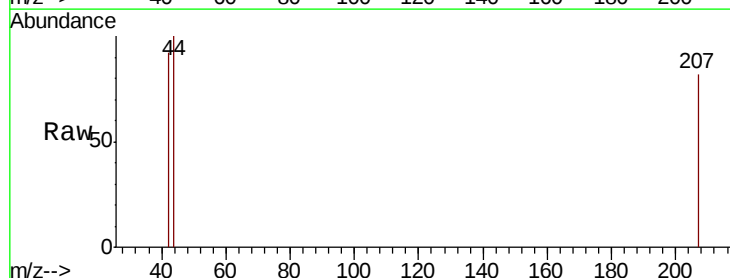
Instrument :
MSVOA_N
ClientSampled :

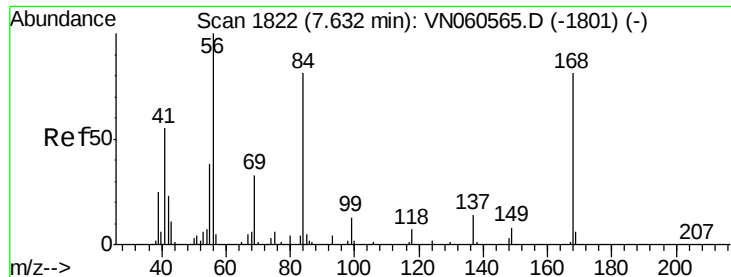
Tot Ion: 43 Resp: 5674
Ion Ratio Lower Upper
43 100
72 24.2 20.4 30.6



#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Tgt Ion: 42 Resp: 210
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 0.982 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :
MSVOA_N
ClientSampled :

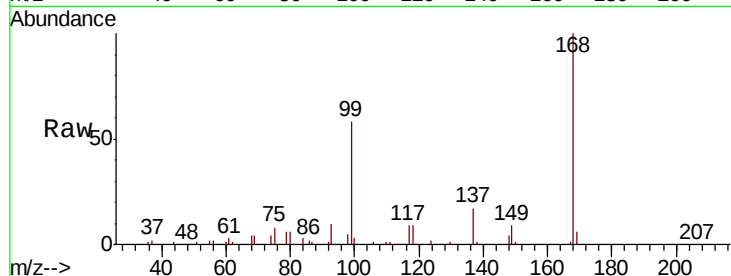
Tot Ion: 56 Resp: 3312

Ion Ratio Lower Upper

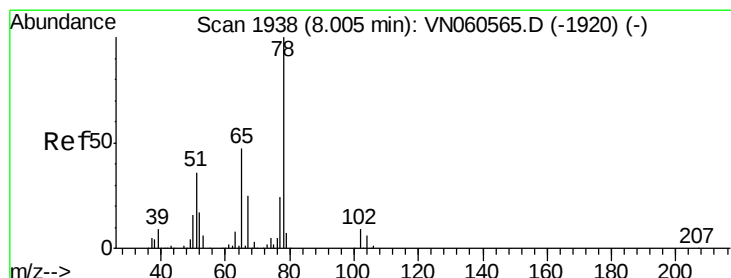
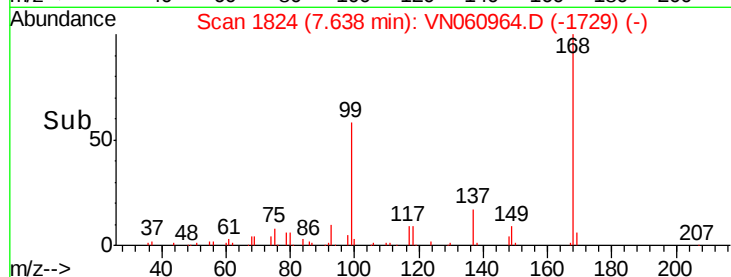
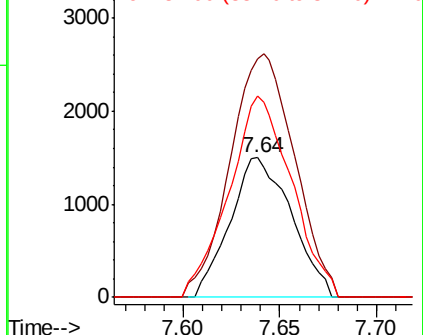
56 100

69 171.0 26.6 40.0#

84 144.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.604 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060964.D

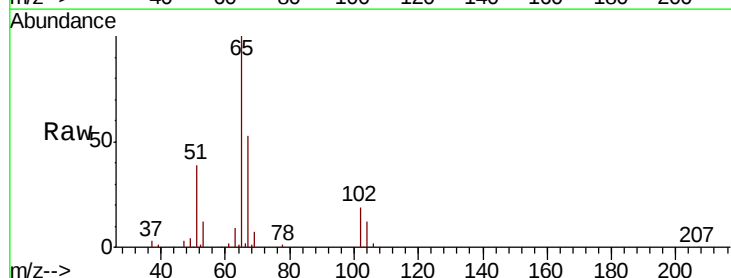
Acq: 15 Apr 2020 16:14

Tgt Ion: 65 Resp: 99645

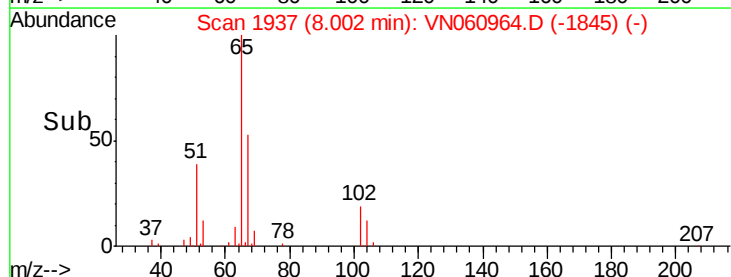
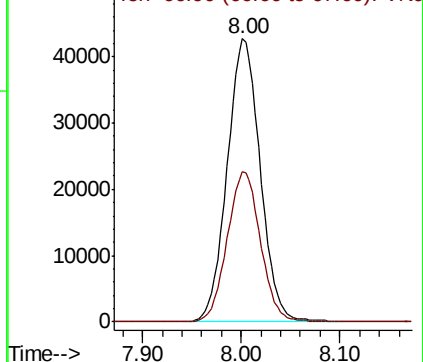
Ion Ratio Lower Upper

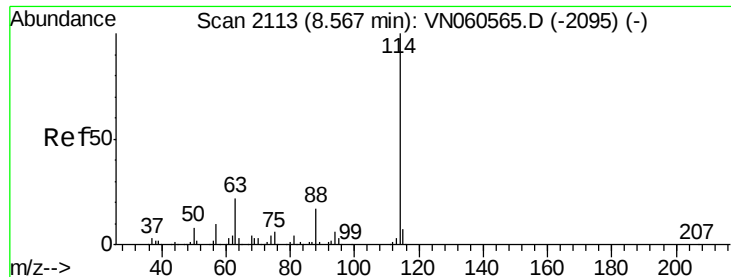
65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

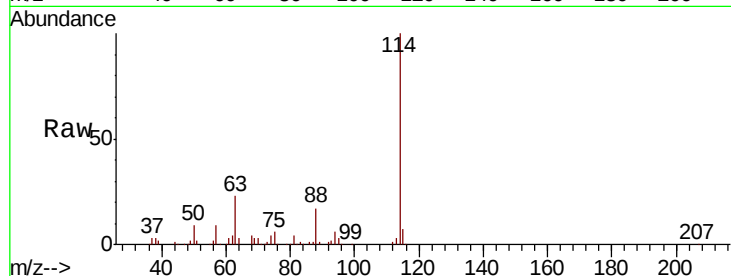
Tot Ion:114 Resp: 256813

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

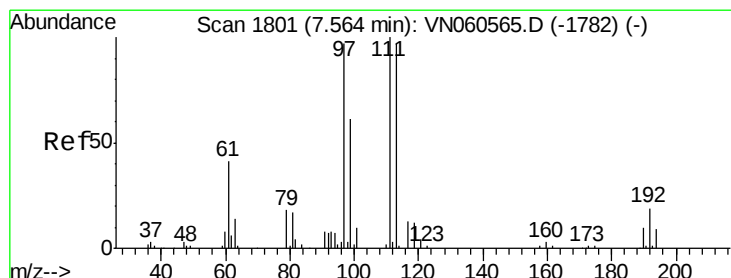
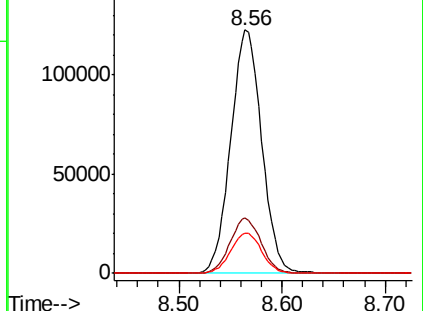
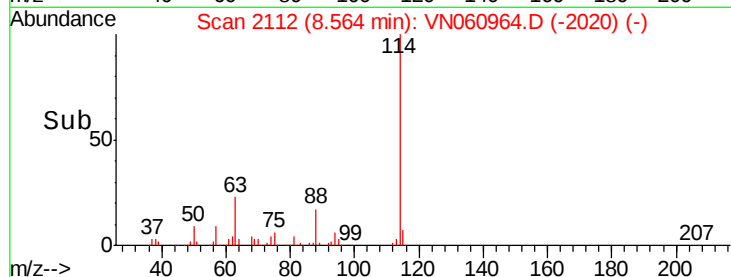
88 16.7 0.0 33.0



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: 49.370 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

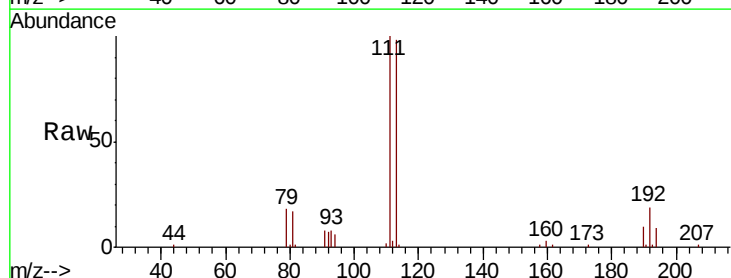
Tgt Ion:113 Resp: 76665

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

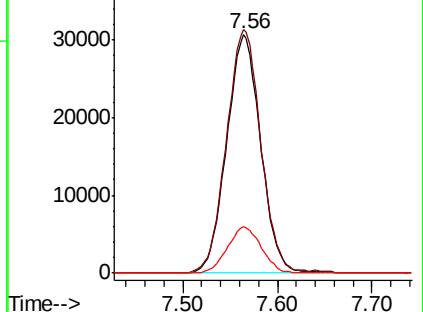
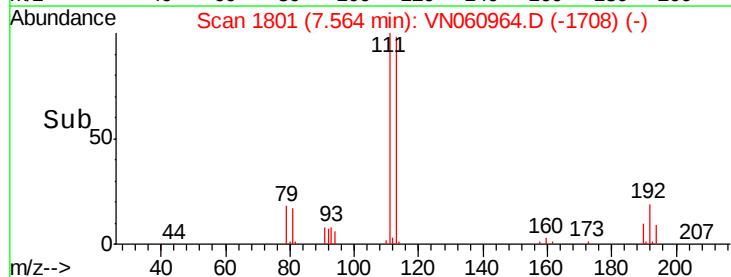
192 19.2 15.8 23.8

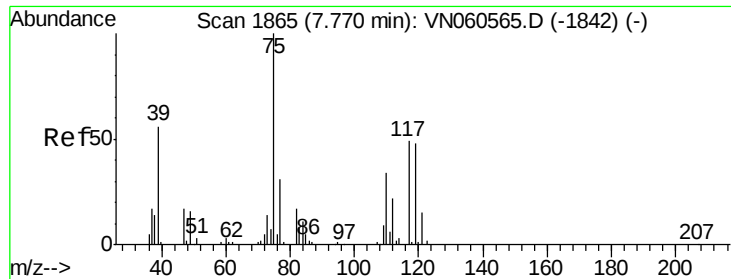


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

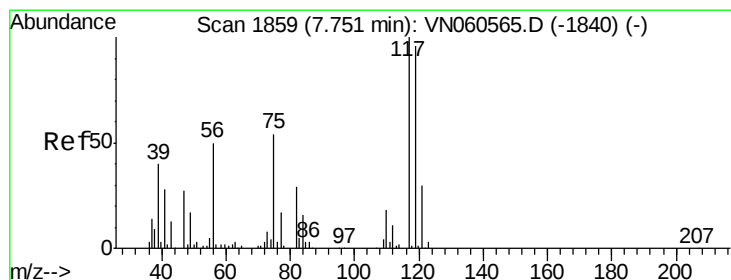
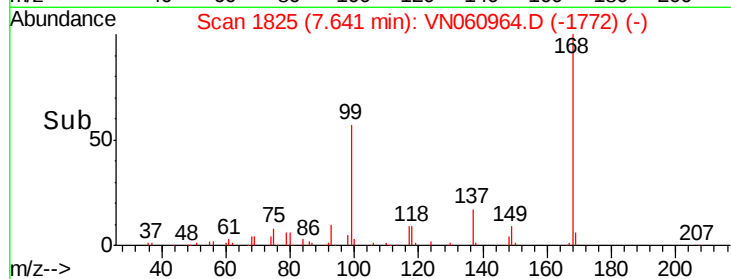
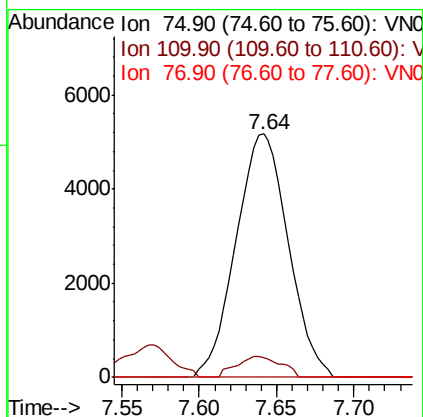
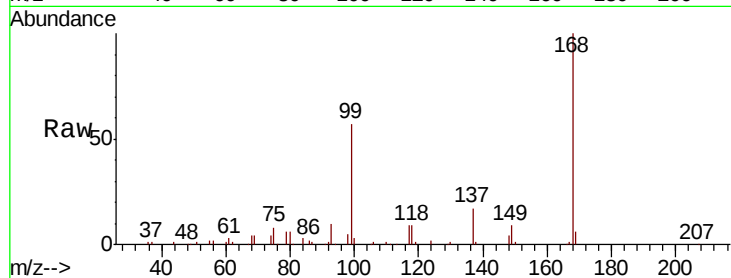




#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060964.D
 Acq: 15 Apr 2020 16:14

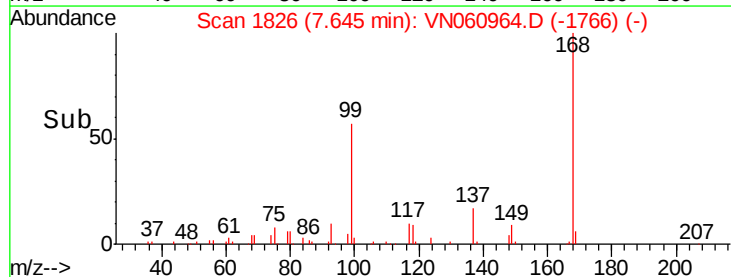
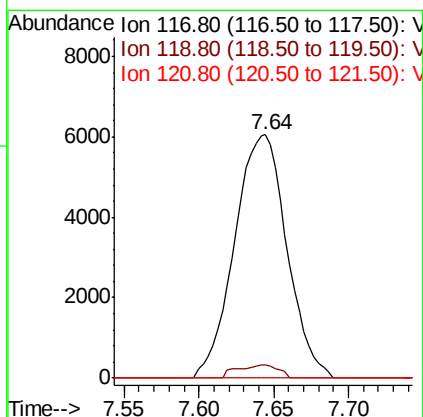
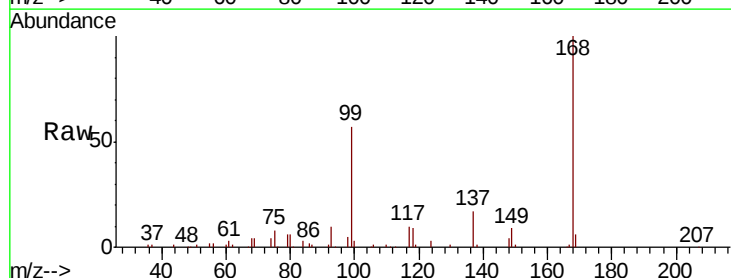
Instrument :
 MSVOA_N
 ClientSampled :

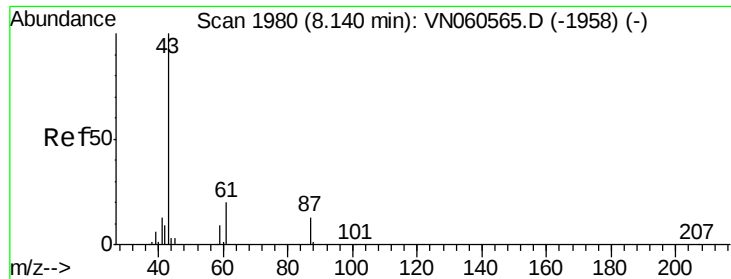
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.597 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060964.D
 Acq: 15 Apr 2020 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 10.917 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

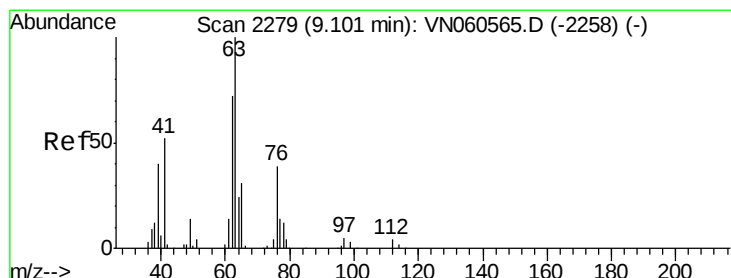
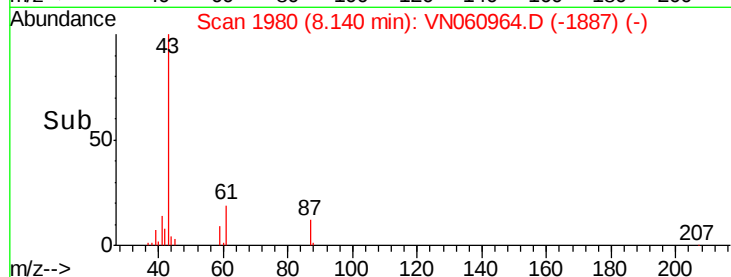
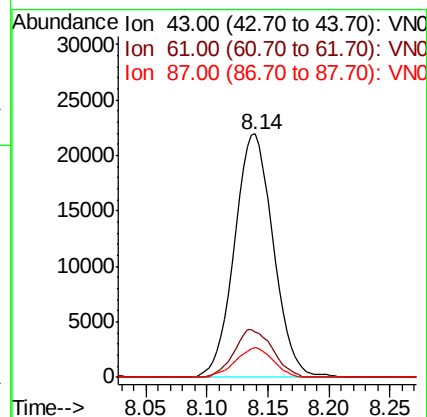
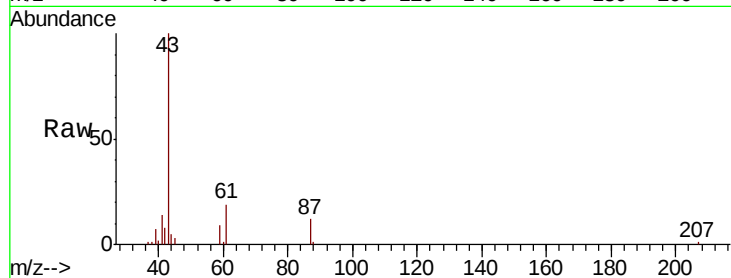
Tot Ion: 43 Resp: 48376

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

87 11.7 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.402 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060964.D

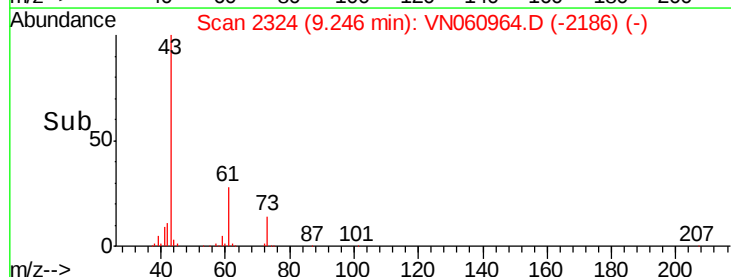
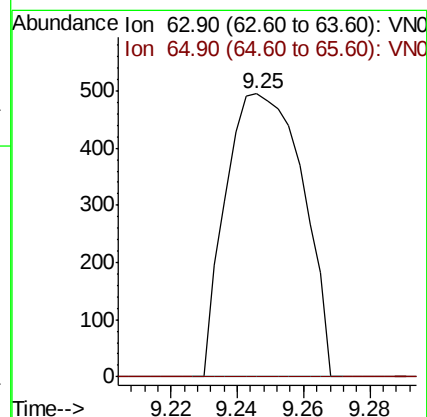
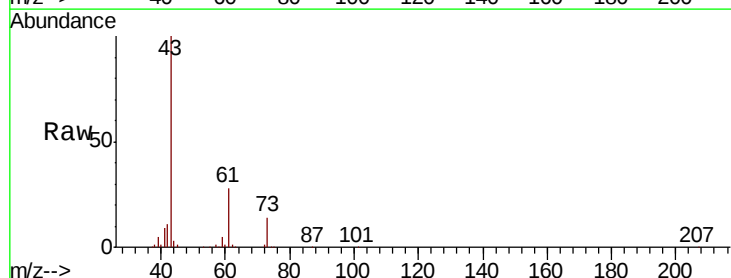
Acq: 15 Apr 2020 16:14

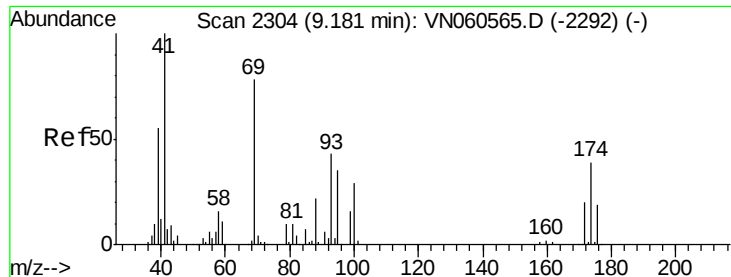
Tgt Ion: 63 Resp: 796

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

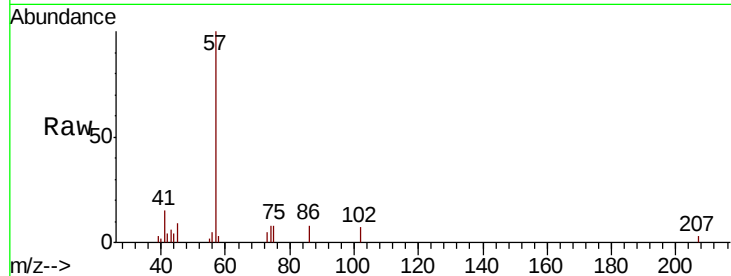




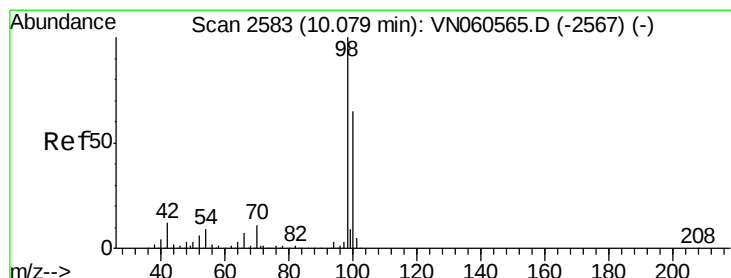
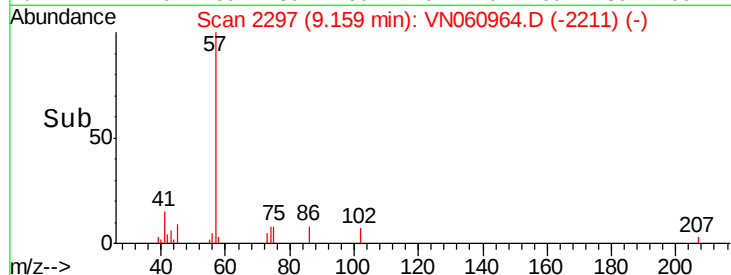
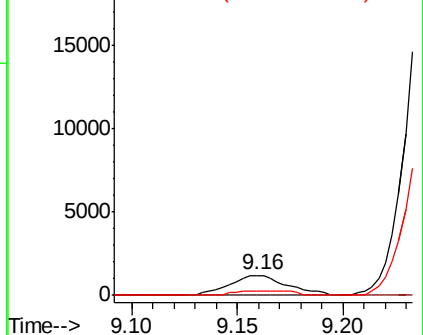
#48
Methvl methacrylate
Concen: 1.155 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2279
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

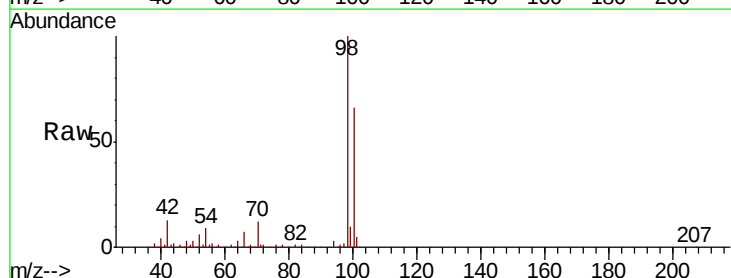


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

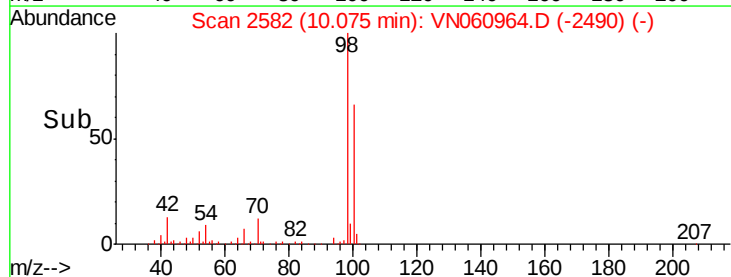
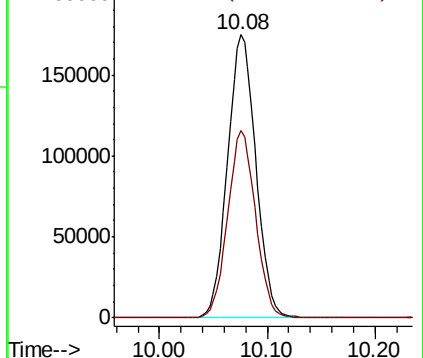


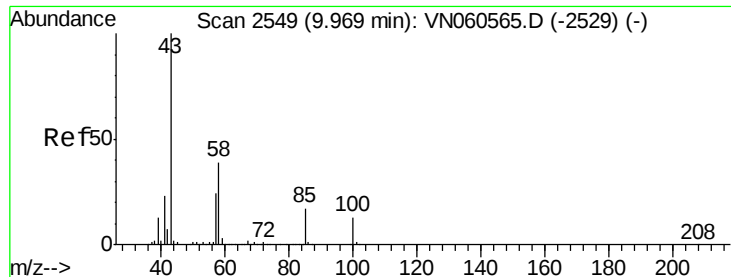
#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Tgt Ion: 98 Resp: 320317
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

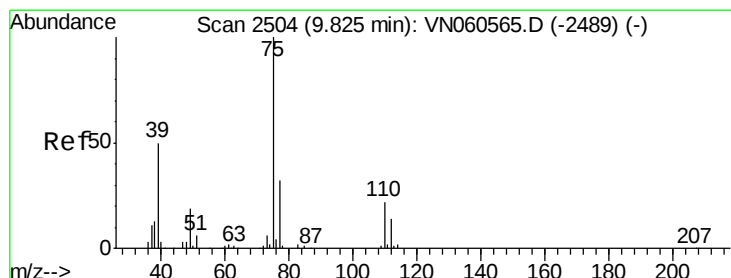
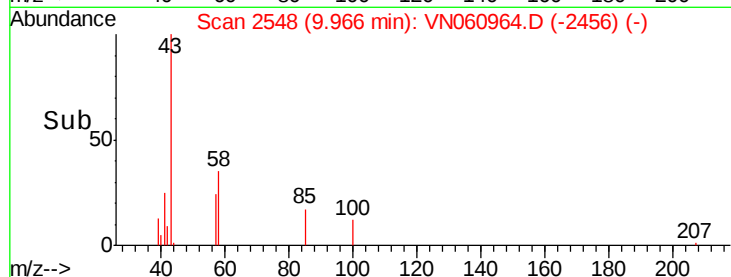
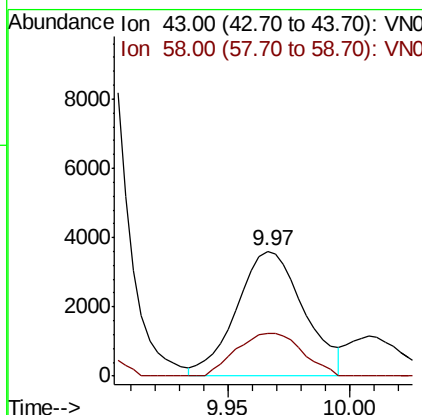
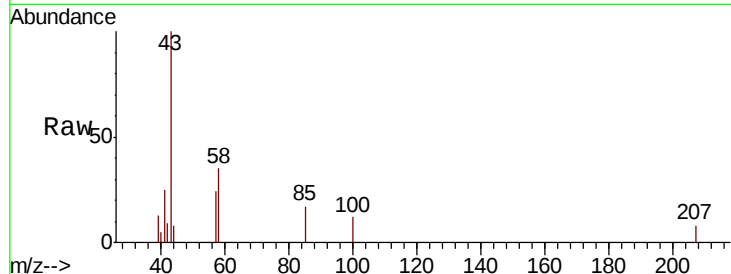




#51
 4-Methyl-2-Pentanone
 Concen: 2.741 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060964.D
 Acq: 15 Apr 2020 16:14

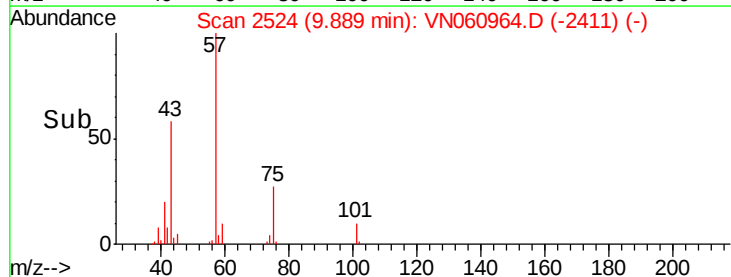
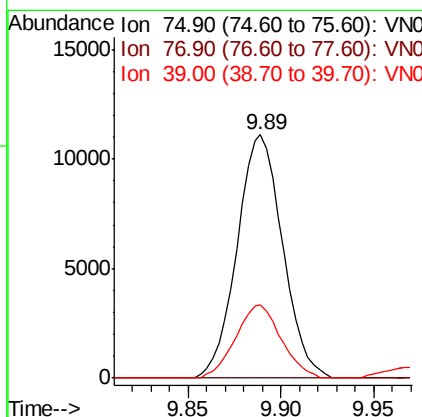
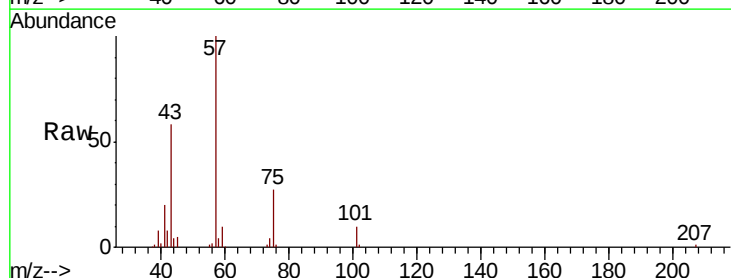
Instrument :
 MSVOA_N
 ClientSampled :

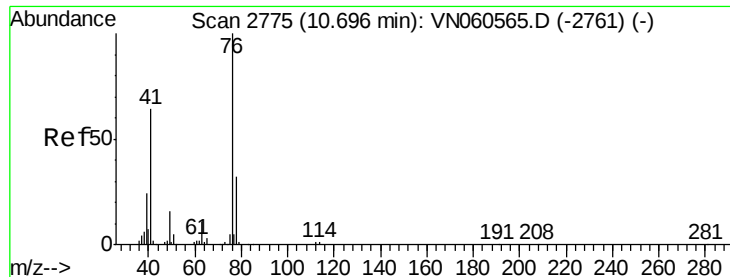
Tot Ion: 43 Resp: 6912
 Ion Ratio Lower Upper
 43 100
 58 33.7 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.047 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060964.D
 Acq: 15 Apr 2020 16:14

Tgt Ion: 75 Resp: 18963
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.3 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.824 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

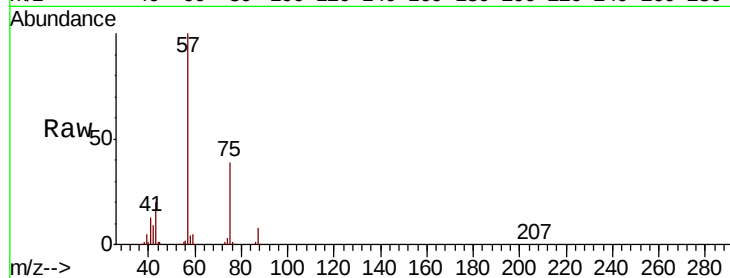
ClientSampleId :

Tot Ion: 76 Resp: 2495

Ion Ratio Lower Upper

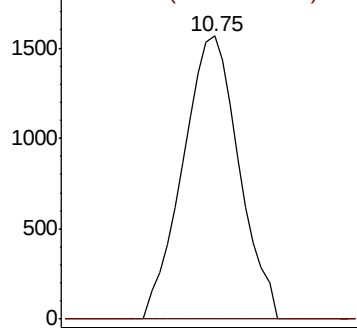
76 100

78 0.0 25.8 38.6#

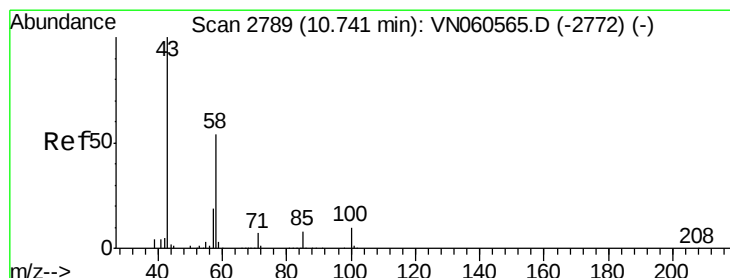
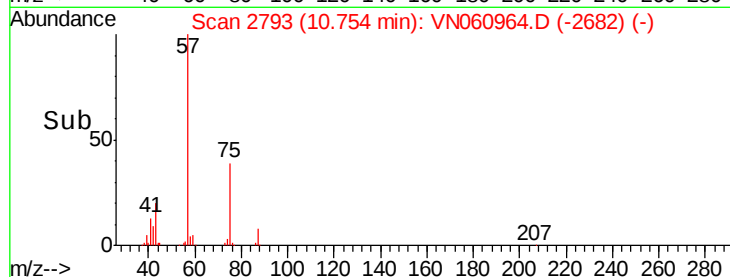


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 20.618 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060964.D

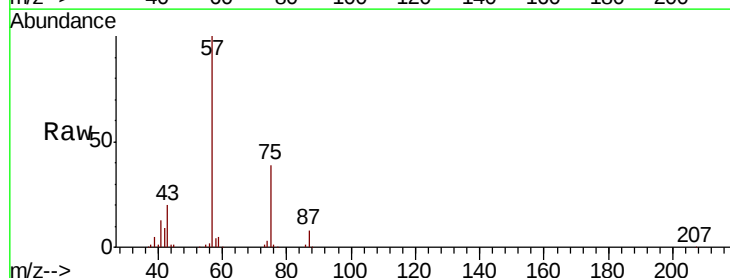
Acq: 15 Apr 2020 16:14

Tgt Ion: 43 Resp: 37451

Ion Ratio Lower Upper

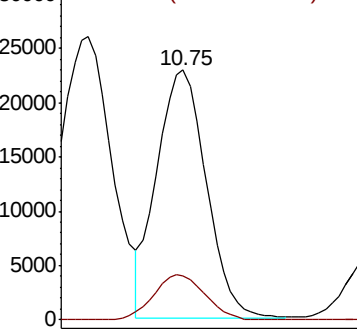
43 100

58 18.7 26.7 80.1#

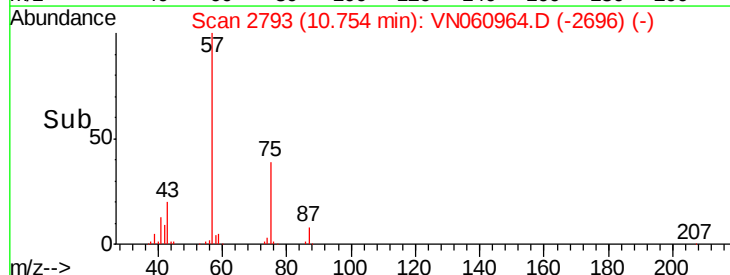


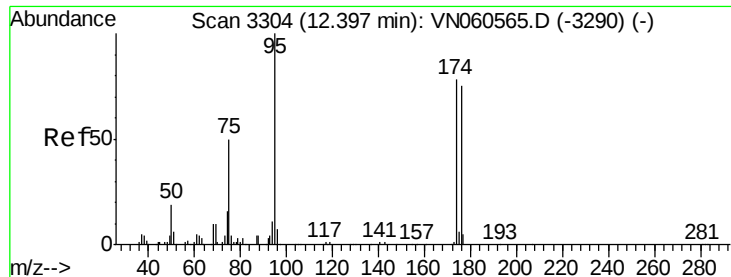
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 50.917 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

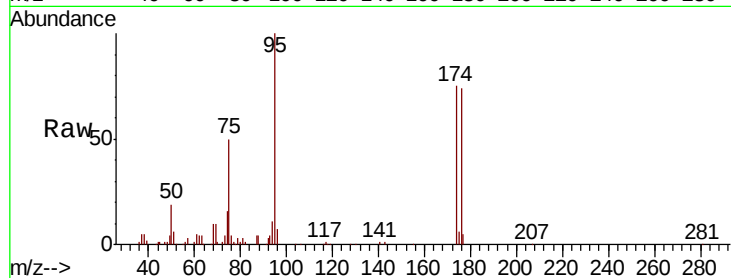
Tot Ion: 95 Resp: 118361

Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.6

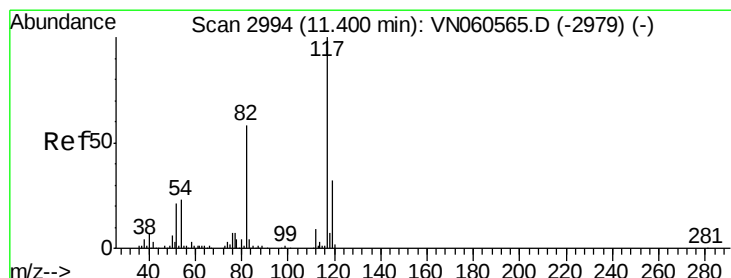
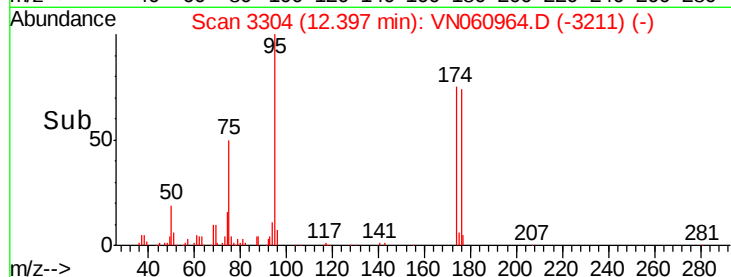
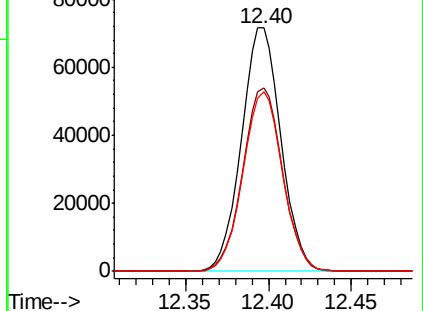
176 74.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060964.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060964.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060964.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

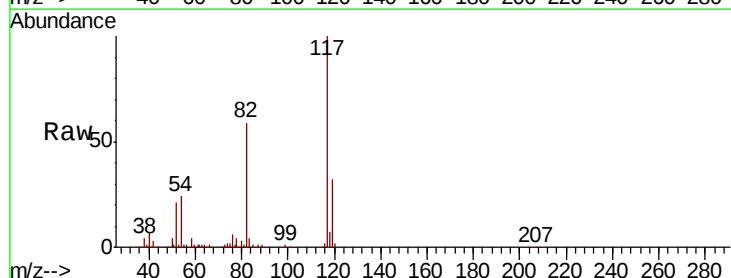
Tgt Ion: 117 Resp: 241538

Ion Ratio Lower Upper

117 100

82 58.6 46.7 70.1

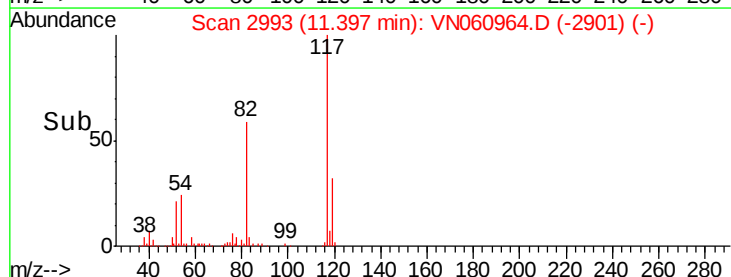
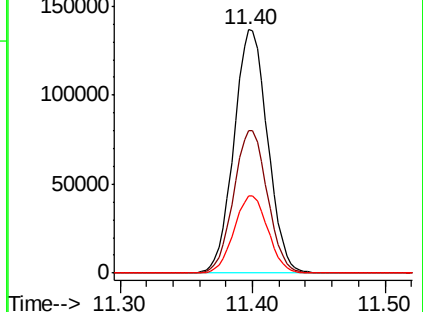
119 31.6 25.5 38.3

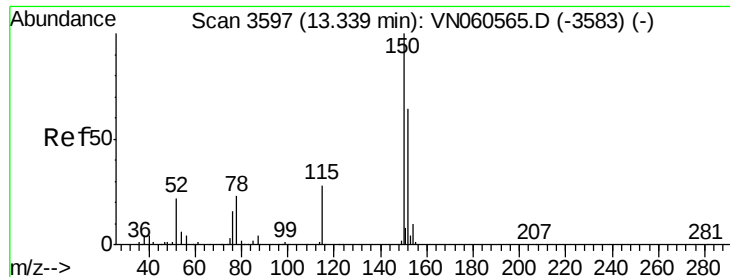


Abundance Ion 116.90 (116.60 to 117.60): VN060964.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060964.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060964.D (-2979) (-)



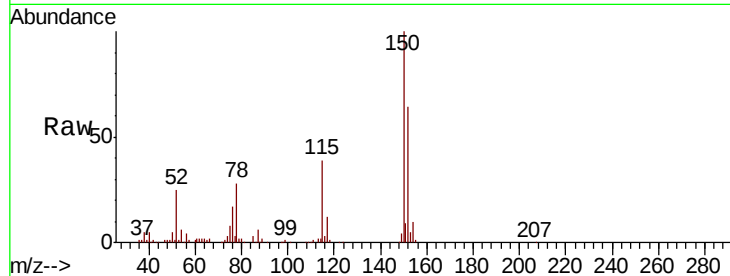


#72

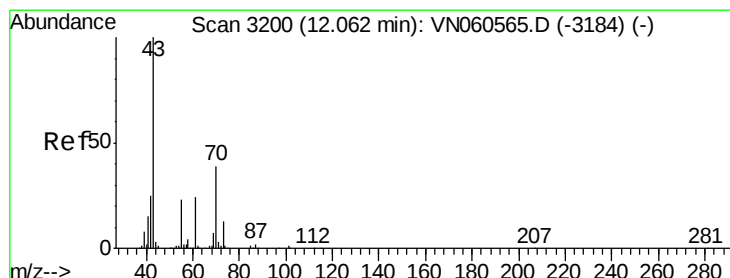
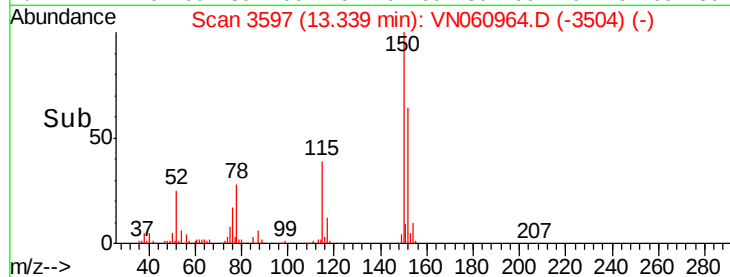
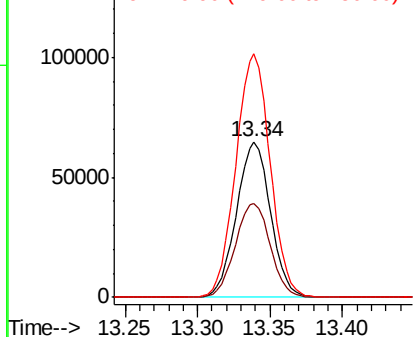
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 105550
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 158.1 0.0 350.2



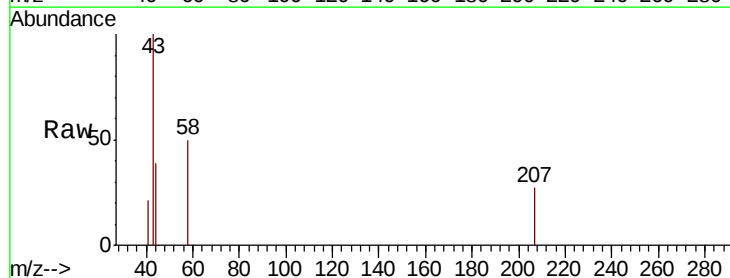
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



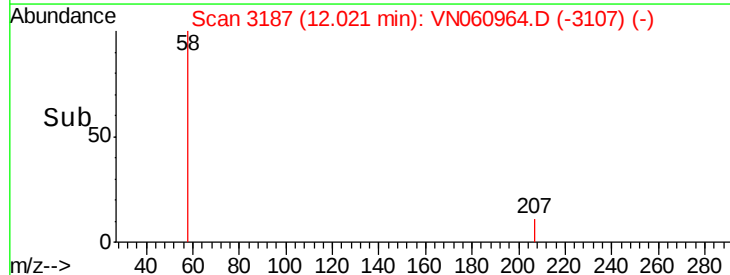
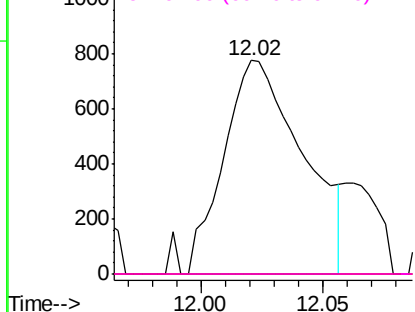
#74

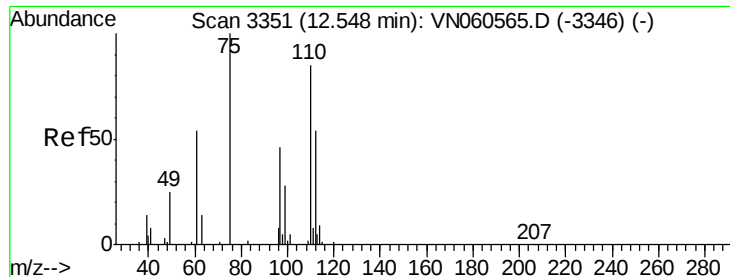
N-ethyl acetate
Concen: 0.477 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060964.D
Acq: 15 Apr 2020 16:14

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.633 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

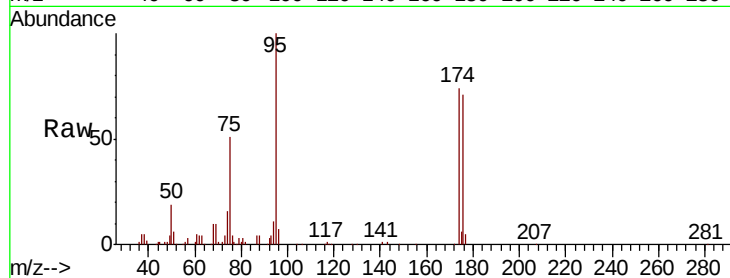
ClientSampled :

Tot Ion: 75 Resp: 60659

Ion Ratio Lower Upper

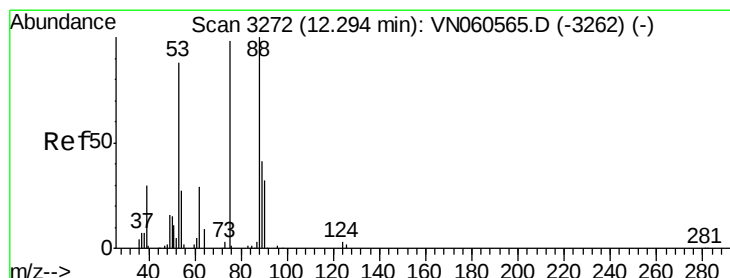
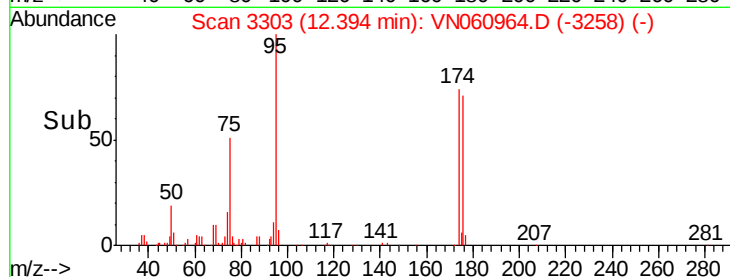
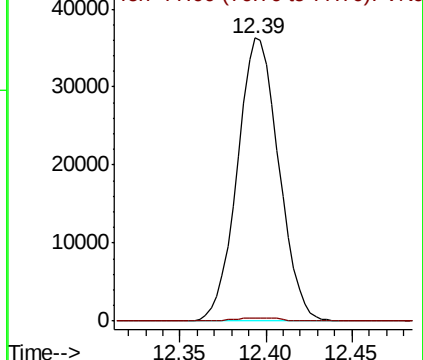
75 100

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: 68.403 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

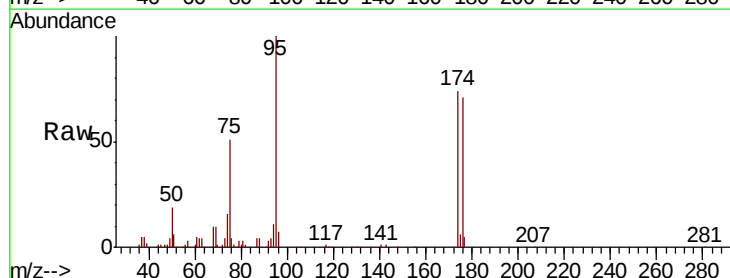
Tgt Ion: 75 Resp: 60659

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

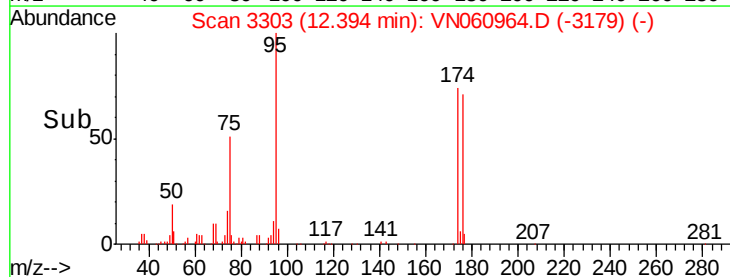
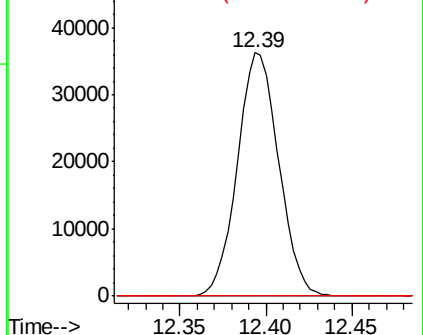
89 0.0 34.8 52.2#

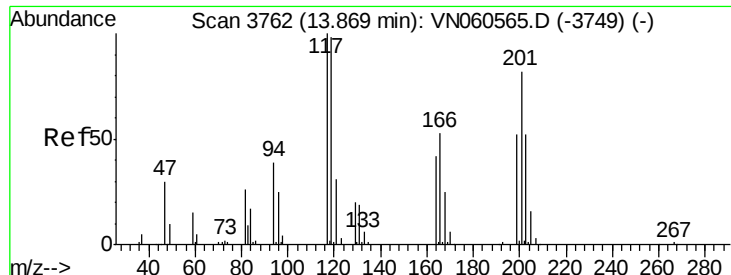


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 1.064 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN060964.D

Acq: 15 Apr 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:117 Resp: 1042

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.5#

