

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060431.D
 Acq On : 10 Mar 2020 20:41
 Operator : JC/MD
 Sample : L1852-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-D

Quant Time: Mar 11 06:44:23 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	196170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140268	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	127261	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
35) Dibromofluoromethane	7.57	113	95549	63.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.86%	
50) Toluene-d8	10.08	98	402331	53.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	148373	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	

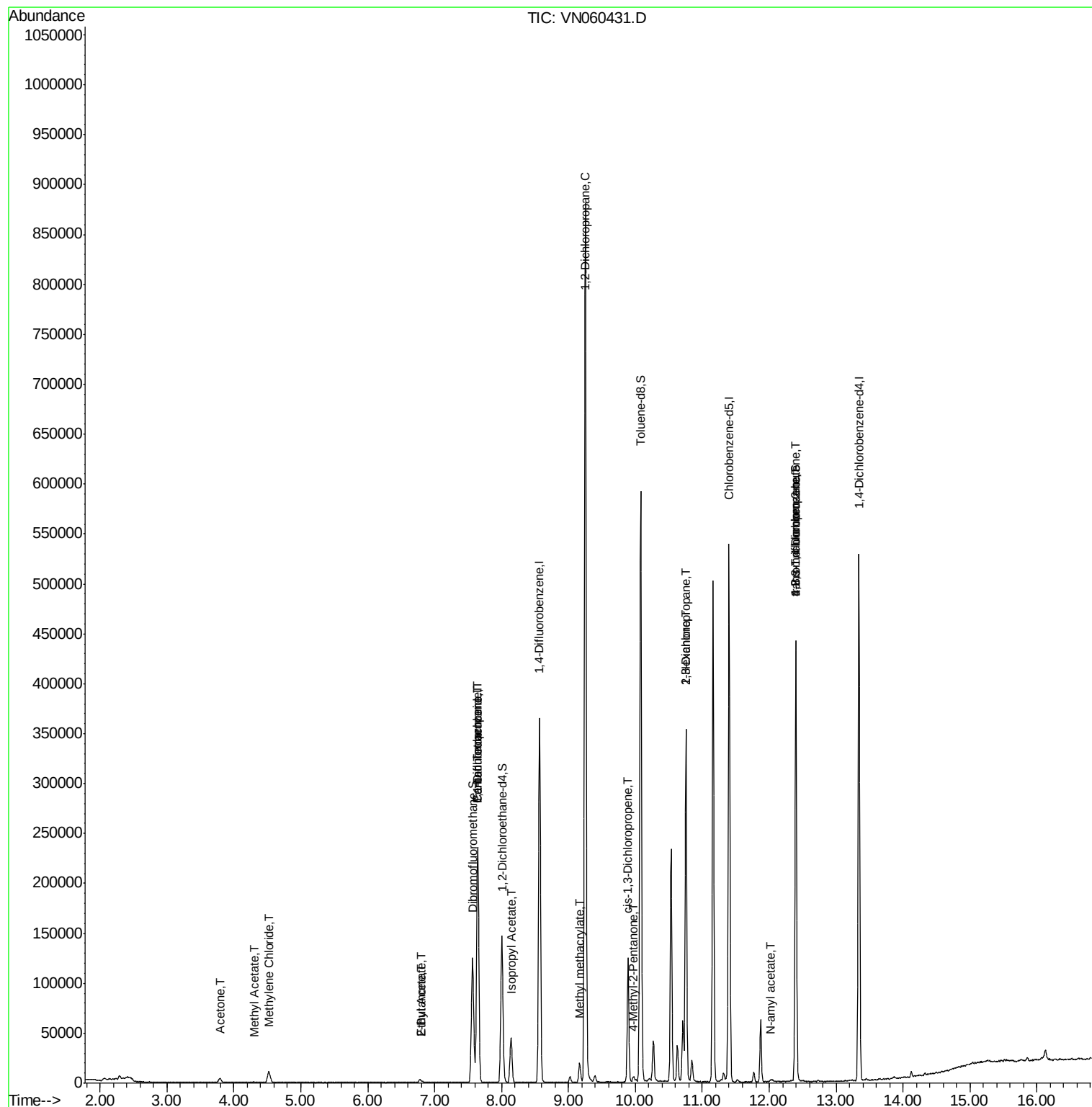
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8599	10.580	ug/l	100
17) Carbon Disulfide	4.03	76	335	Below Cal	#	75
18) Methyl Acetate	4.31	43	1605	0.592	ug/l #	59
20) Methylene Chloride	4.53	84	8435	3.779	ug/l	96
25) 2-Butanone	6.81	43	1482	1.129	ug/l #	49
31) Cyclohexane	7.64	56	4089	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15265	4.974	ug/l #	49
37) Ethyl Acetate	6.81	43	1482	0.510	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18873	6.317	ug/l #	16
43) Isopropyl Acetate	8.14	43	52766	10.373	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	983	0.421	ug/l #	44
48) Methyl methacrylate	9.16	41	2905	1.252	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4176	1.448	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	21920	5.602	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3582	0.973	ug/l #	42
59) 2-Hexanone	10.75	43	53586	25.304	ug/l #	52
74) N-amyl acetate	12.02	43	1950	0.429	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76459	24.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76459	68.583	ug/l #	8
95) Naphthalene	15.13	128	71	Below Cal	#	69

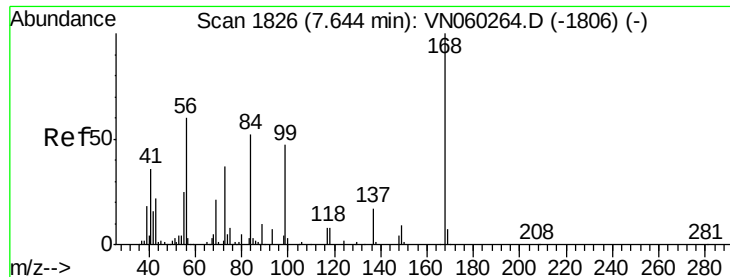
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

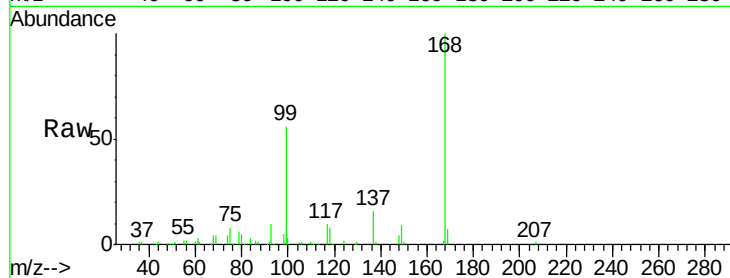
TP-3-D

Tgt Ion:168 Resp: 196170

Ion Ratio Lower Upper

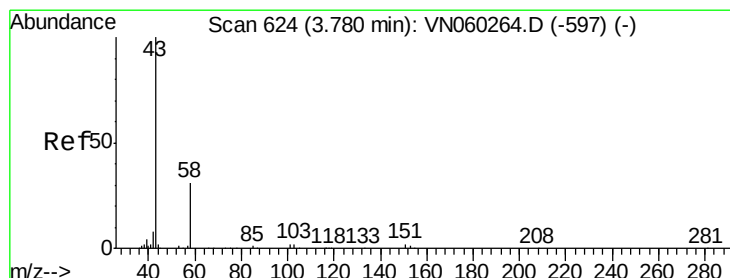
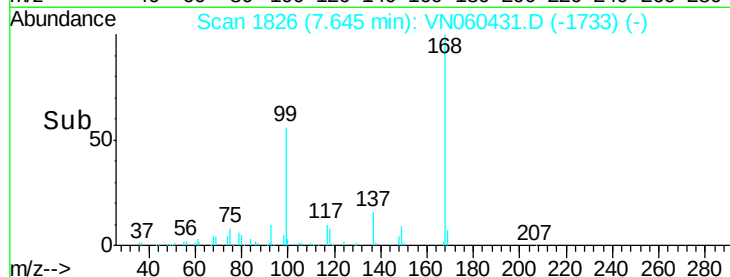
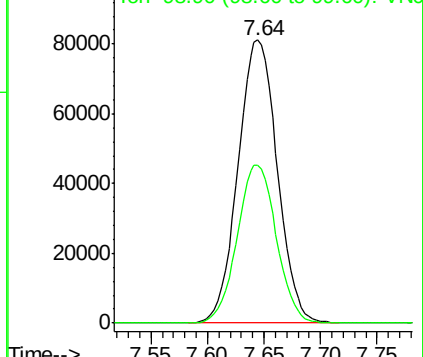
168 100

99 55.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 10.580 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060431.D

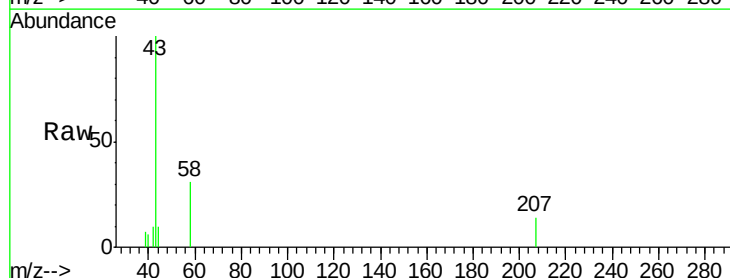
Acq: 10 Mar 2020 20:41

Tgt Ion: 43 Resp: 8599

Ion Ratio Lower Upper

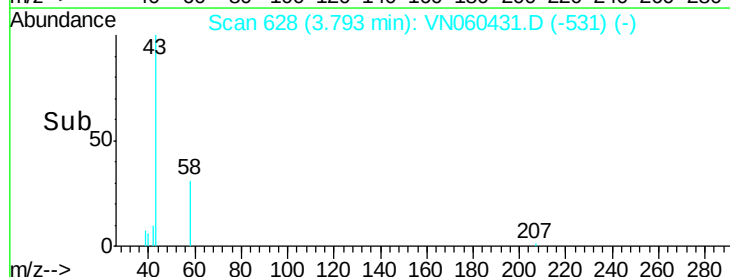
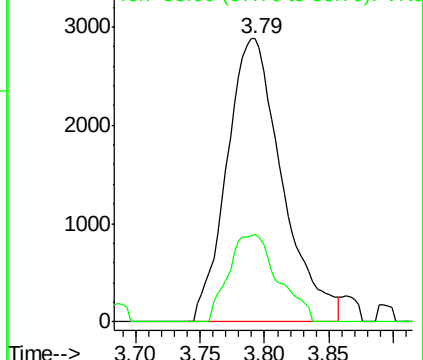
43 100

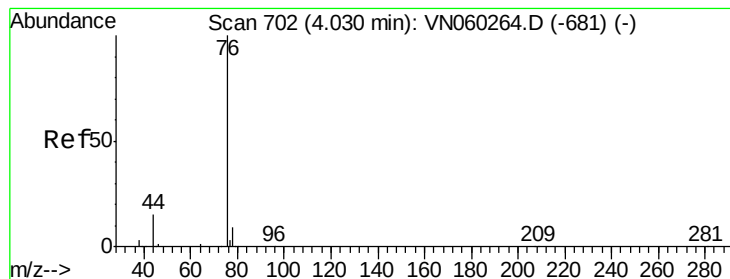
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

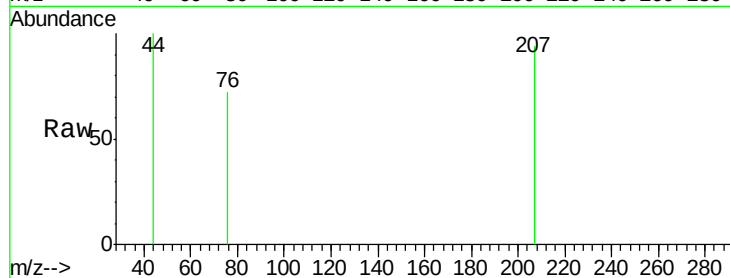
TP-3-D

Tgt Ion: 76 Resp: 335

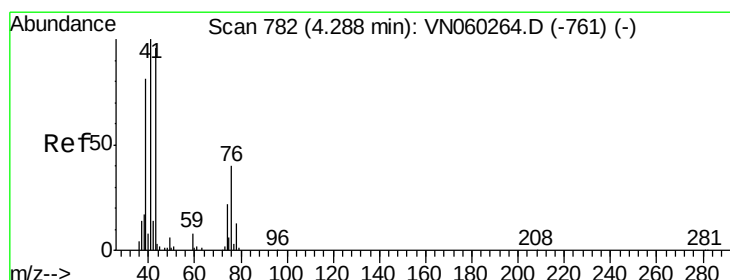
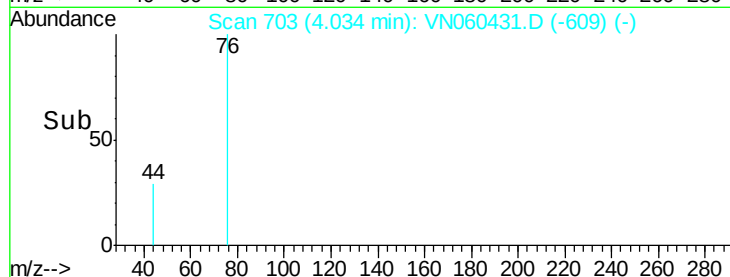
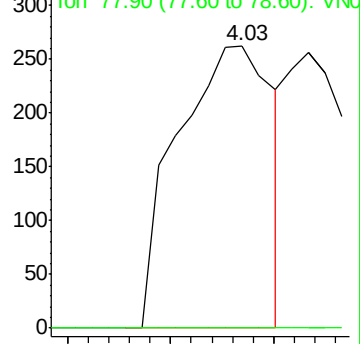
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060431.D (-609) (-)



#18

Methyl Acetate

Concen: 0.592 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060431.D

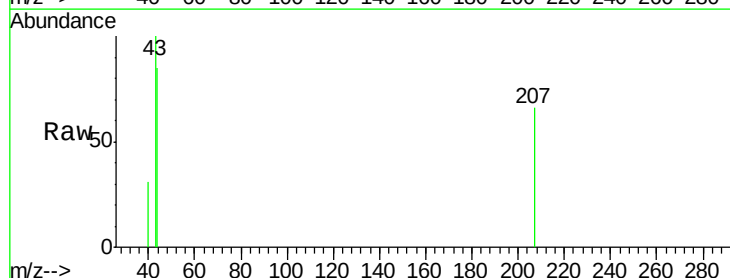
Acq: 10 Mar 2020 20:41

Tgt Ion: 43 Resp: 1605

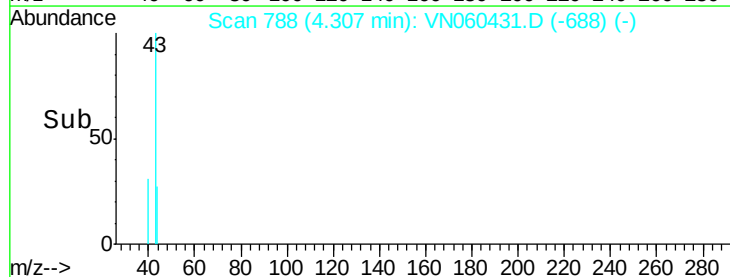
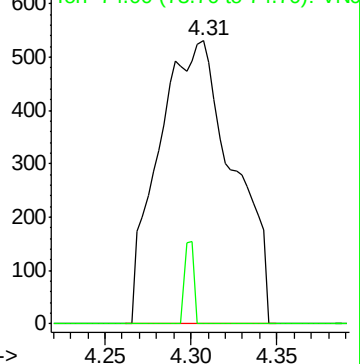
Ion Ratio Lower Upper

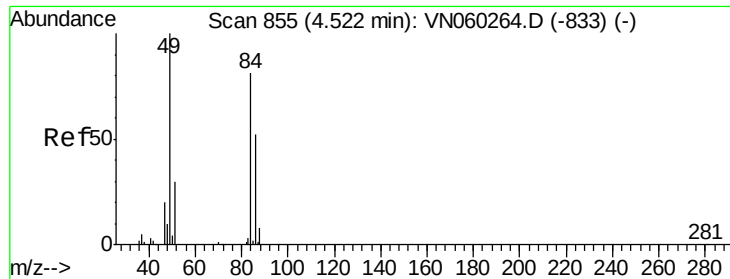
43 100

74 3.7 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060431.D (-688) (-)

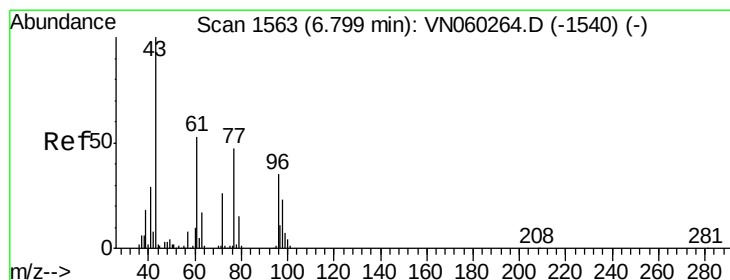
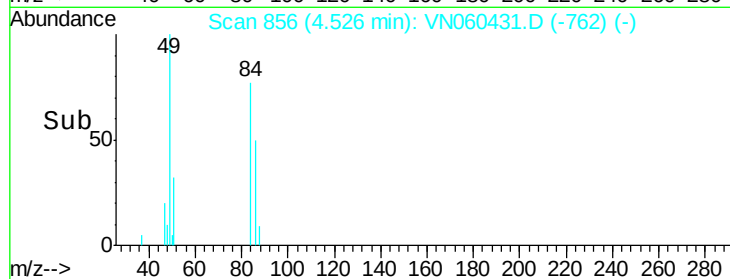
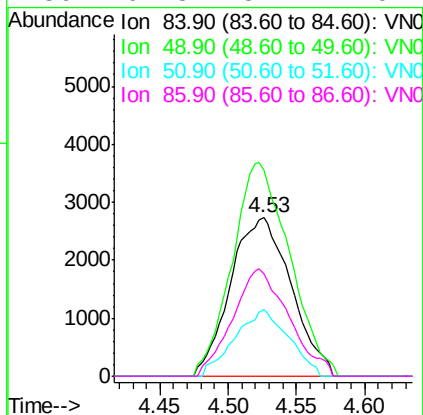
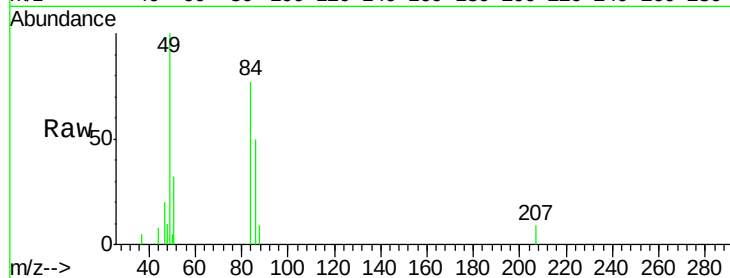




#20
Methylene Chloride
Concen: 3.779 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

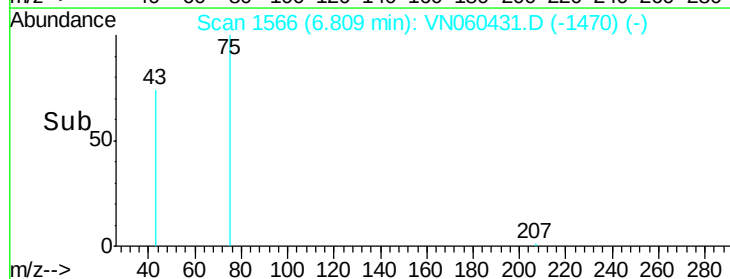
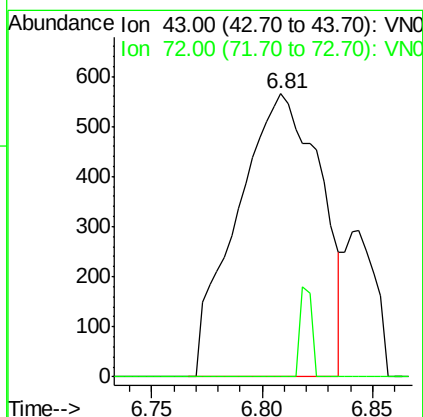
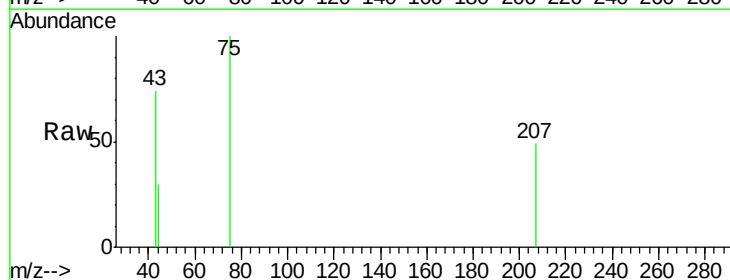
Instrument :
MSVOA_N
ClientSampled :
TP-3-D

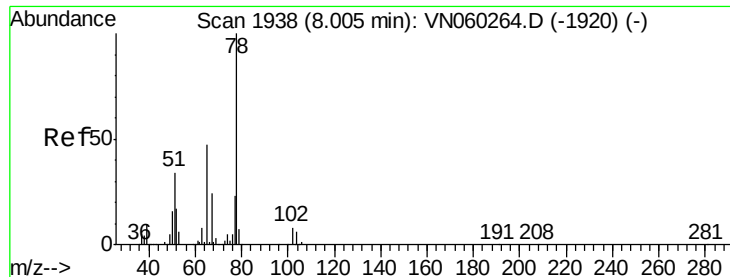
Tgt Ion:	84	Resp:	8435
Ion	Ratio	Lower	Upper
84	100		
49	130.0	99.3	148.9
51	41.7	30.1	45.1
86	64.8	51.1	76.7



#25
2-Butanone
Concen: 1.129 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

Tgt Ion:	43	Resp:	1482
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

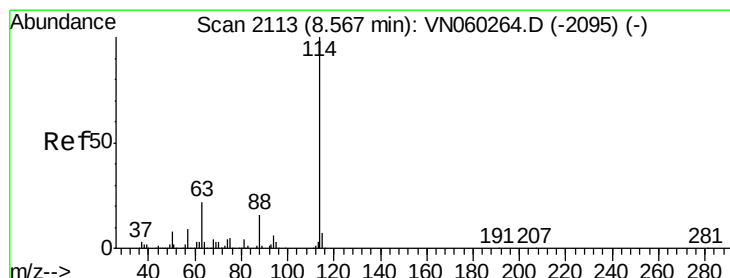
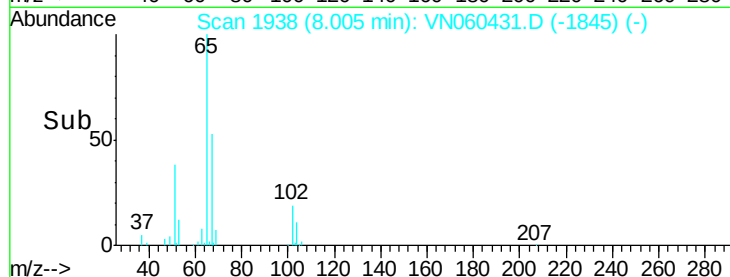
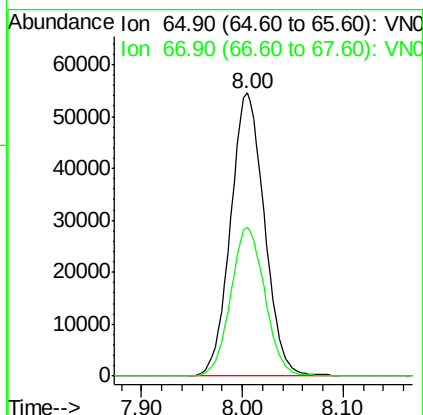
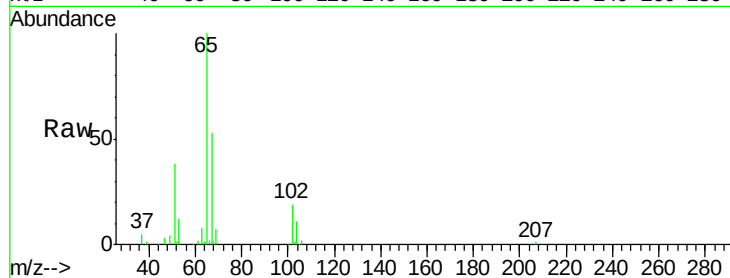




#33
 1,2-Dichloroethane-d4
 Concen: 50.563 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

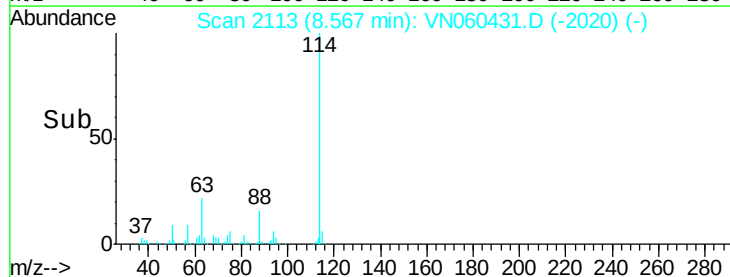
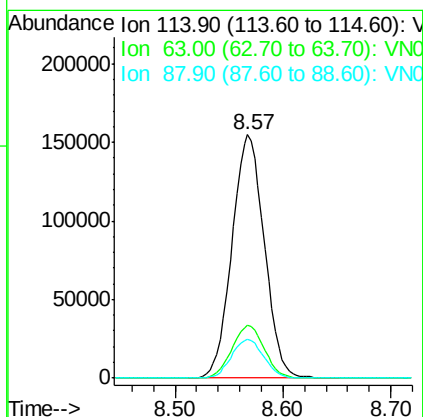
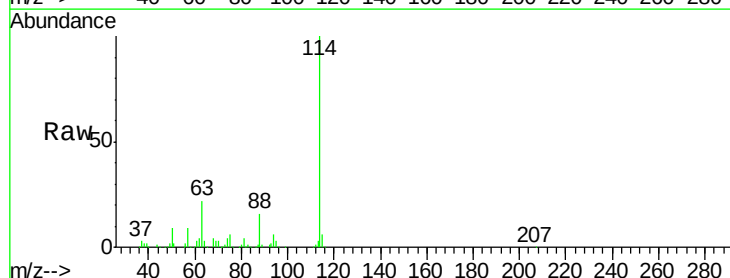
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-D

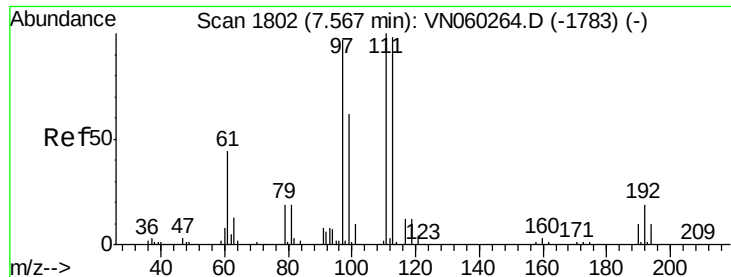
Tgt Ion: 65 Resp: 127261
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

Tgt Ion: 114 Resp: 321998
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.0 0.0 31.6

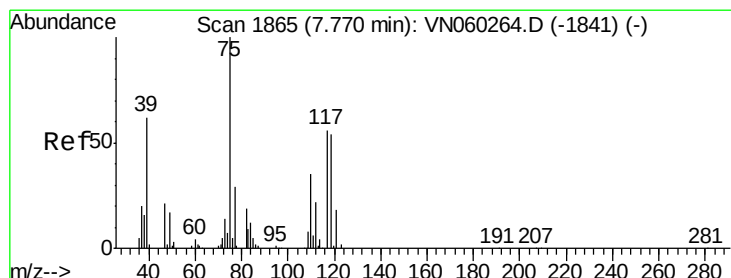
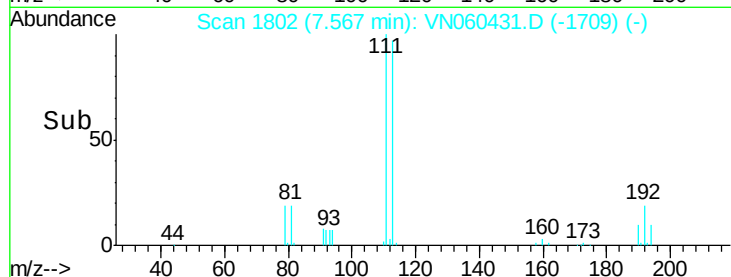
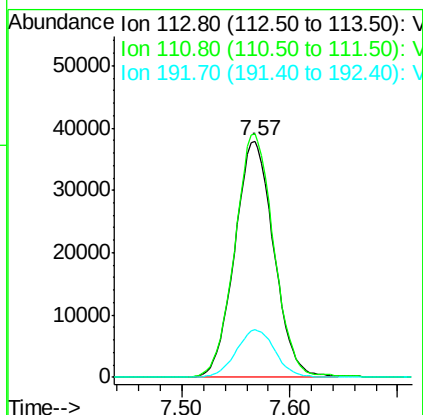
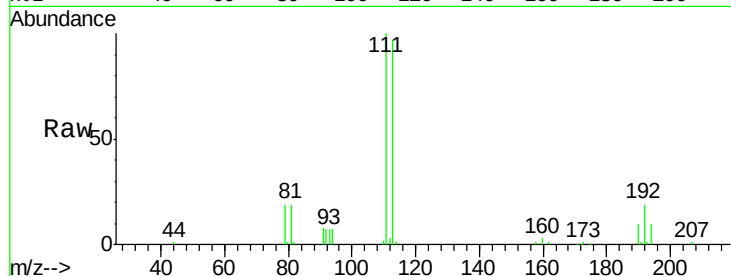




#35
 Dibromofluoromethane
 Concen: 63.929 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

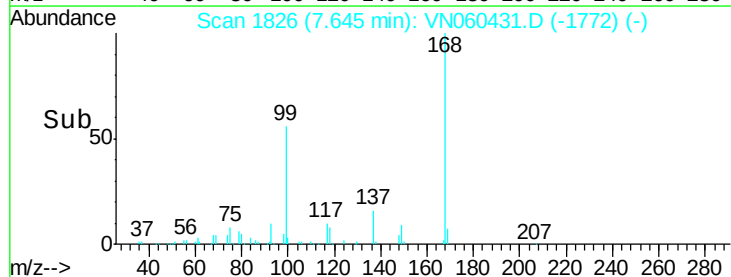
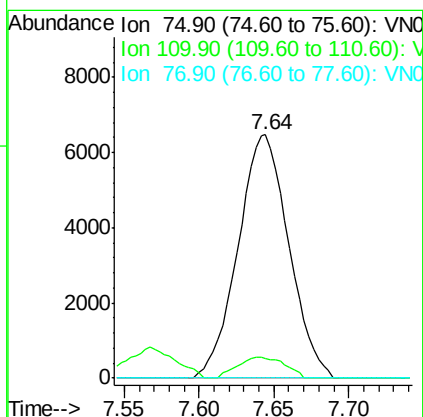
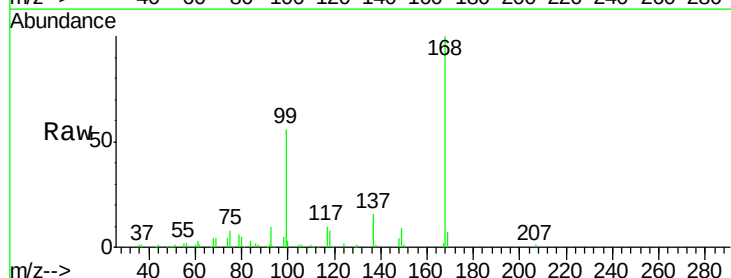
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-D

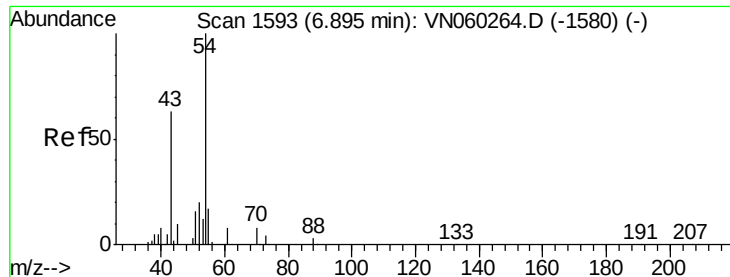
Tgt Ion:113 Resp: 95549
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

Tgt Ion: 75 Resp: 15265
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.3 52.0#
 77 0.0 24.2 36.2#

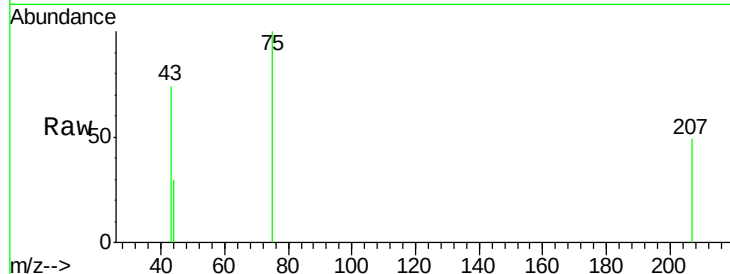




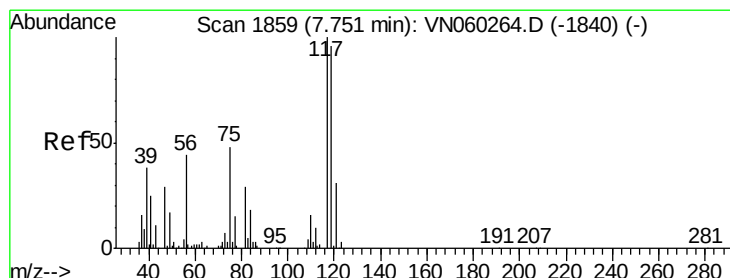
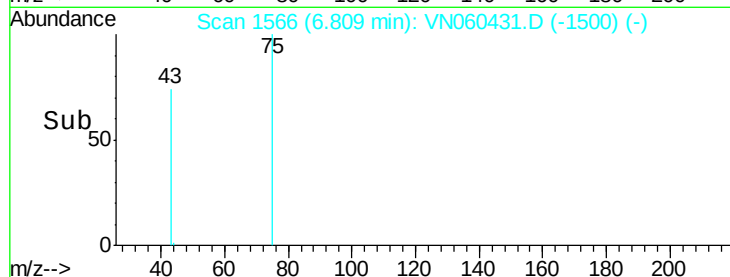
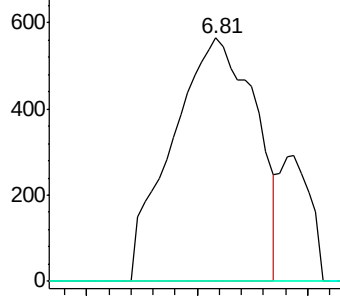
#37
 Ethyl Acetate
 Concen: 0.510 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-D

Tgt Ion: 43 Resp: 1482
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 8.4 12.6#

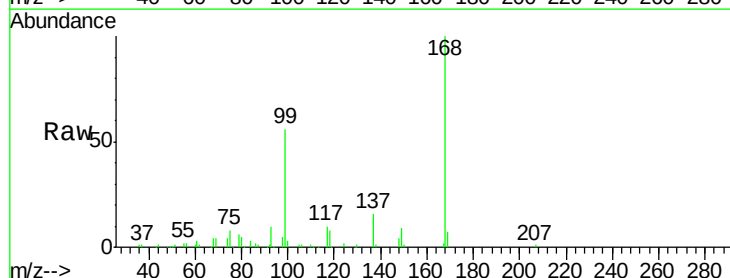


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

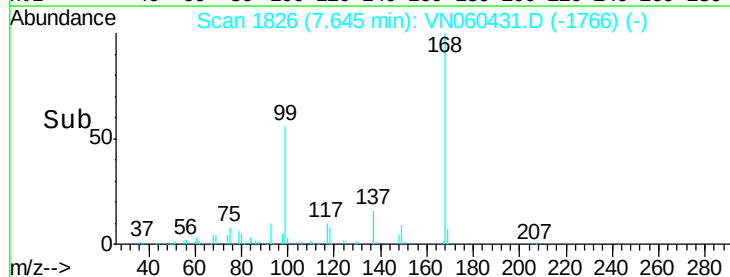
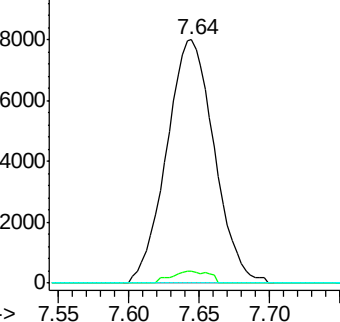


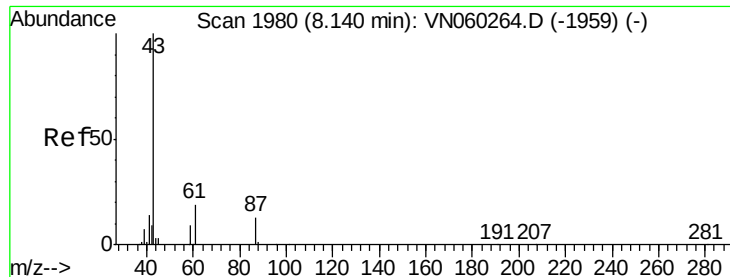
#38
 Carbon Tetrachloride
 Concen: 6.317 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

Tgt Ion: 117 Resp: 18873
 Ion Ratio Lower Upper
 117 100
 119 4.7 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: 10.373 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

TP-3-D

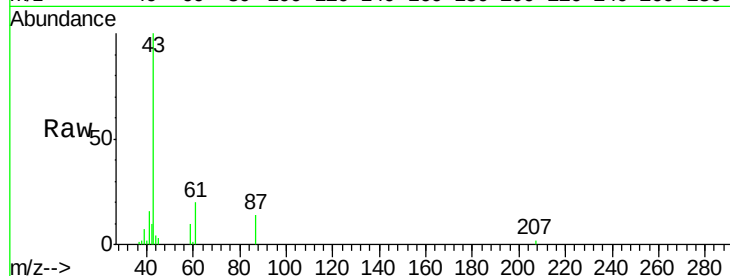
Tgt Ion: 43 Resp: 52766

Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

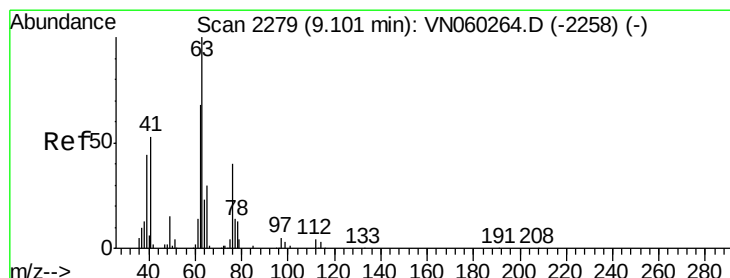
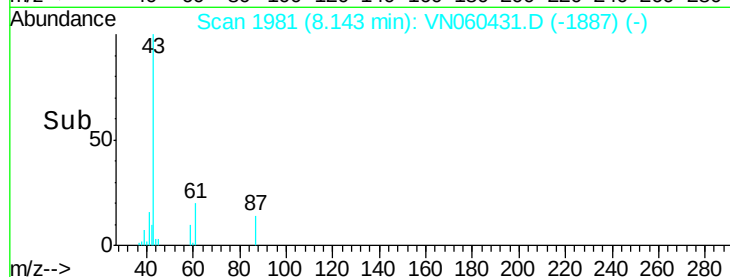
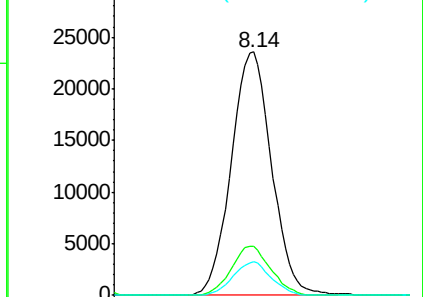
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.421 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060431.D

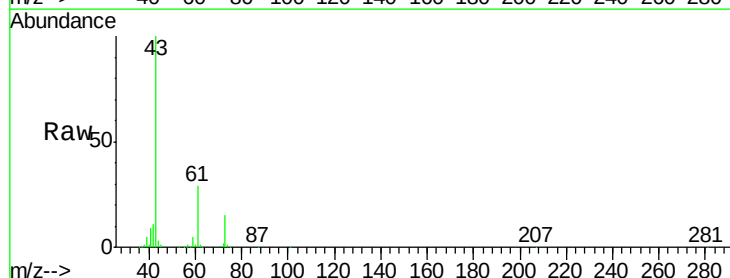
Acq: 10 Mar 2020 20:41

Tgt Ion: 63 Resp: 983

Ion Ratio Lower Upper

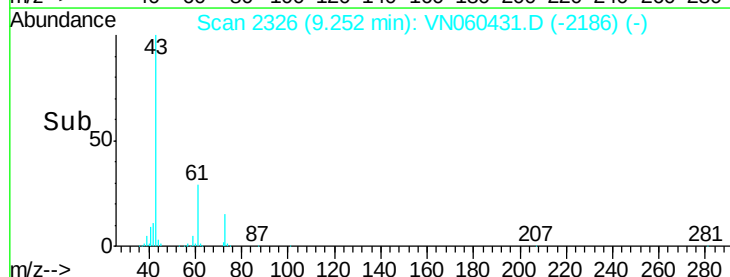
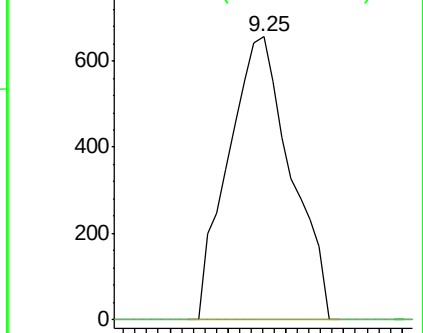
63 100

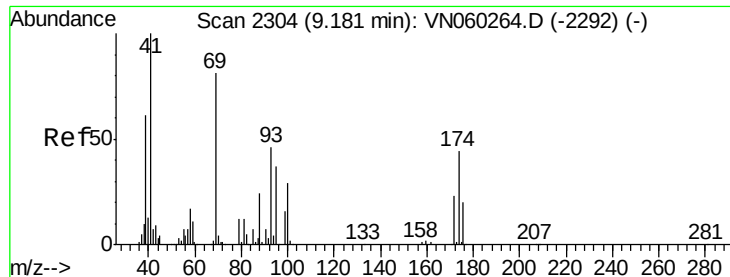
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

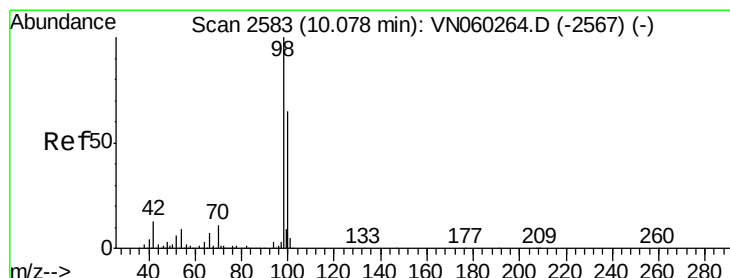
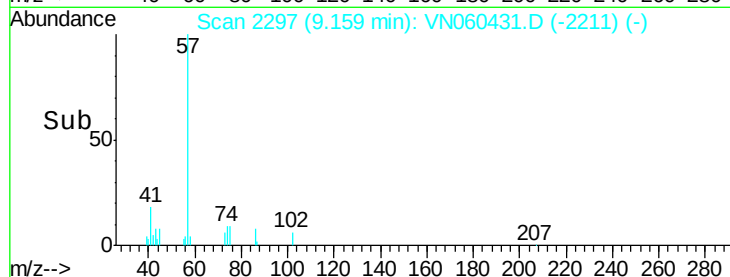
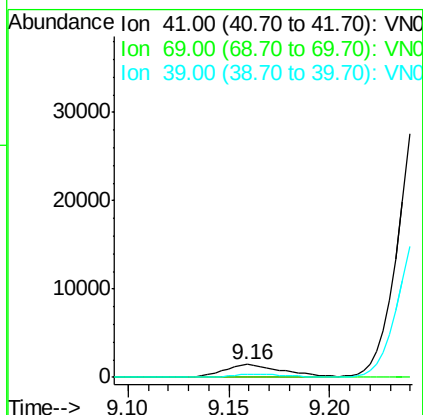
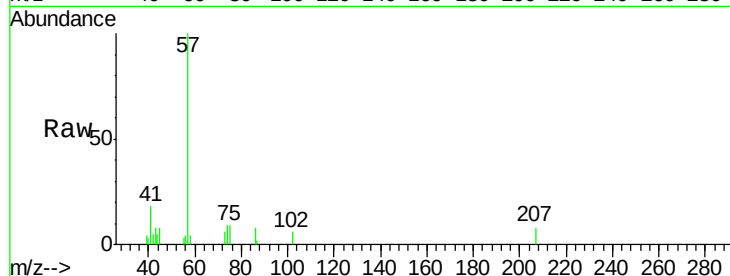




#48
Methyl methacrylate
Concen: 1.252 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

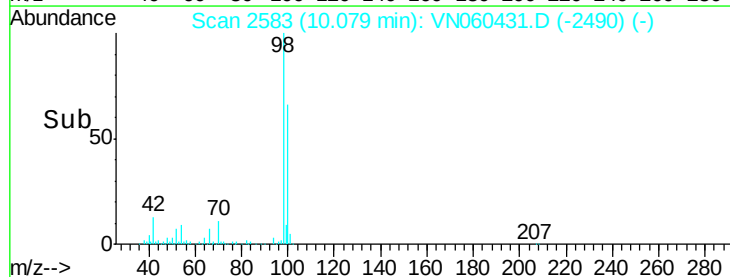
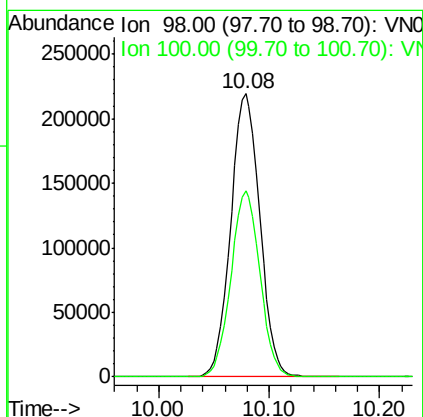
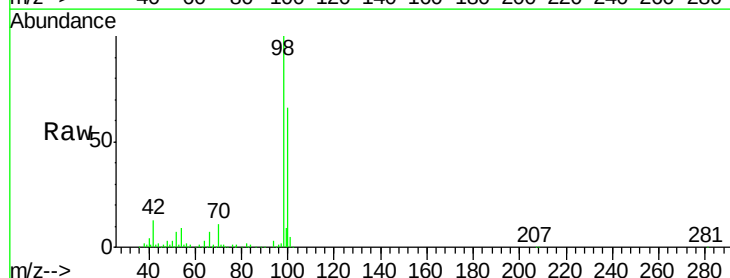
Instrument :
MSVOA_N
ClientSampled :
TP-3-D

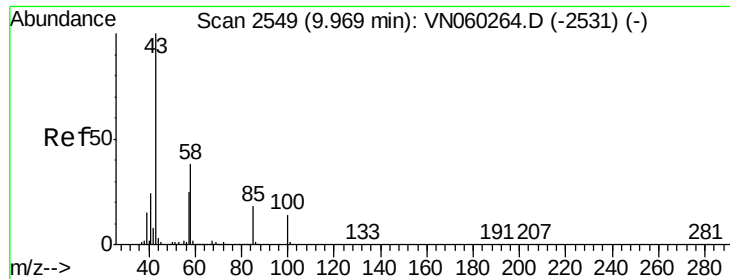
Tgt Ion: 41 Resp: 2905
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 53.187 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

Tgt Ion: 98 Resp: 402331
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

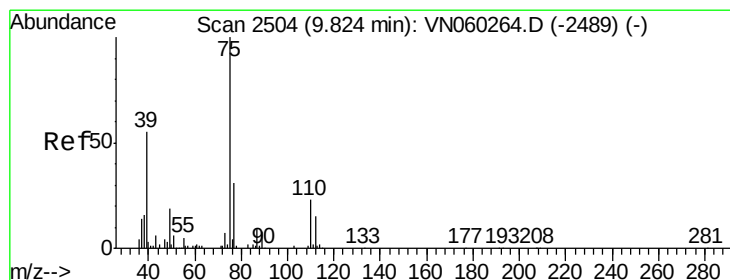
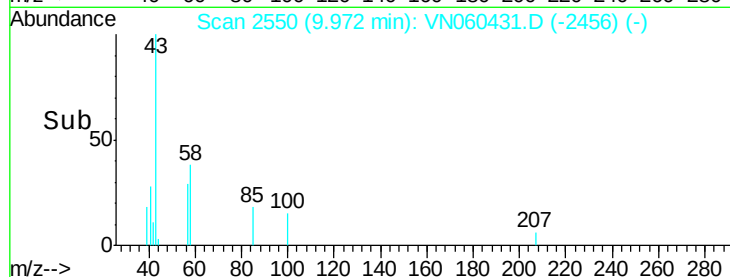
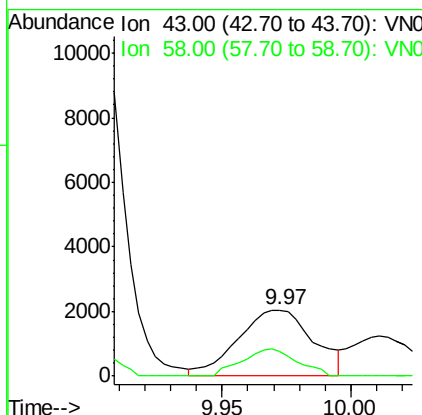
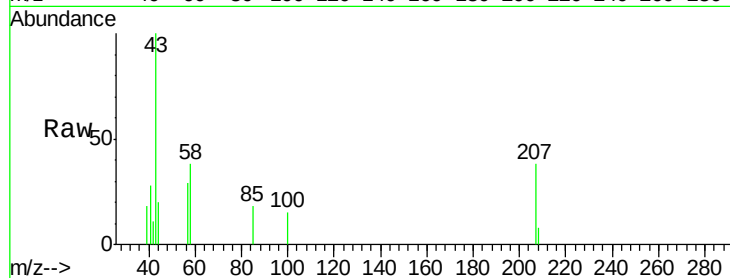




#51
 4-Methyl-2-Pentanone
 Concen: 1.448 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

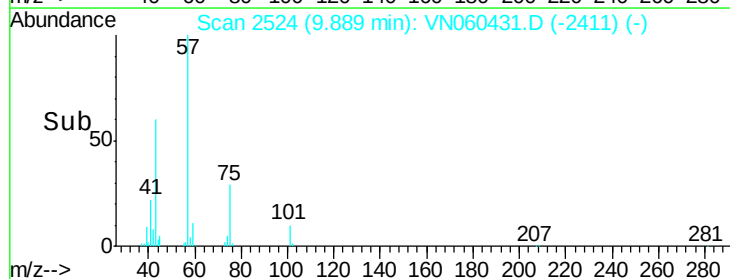
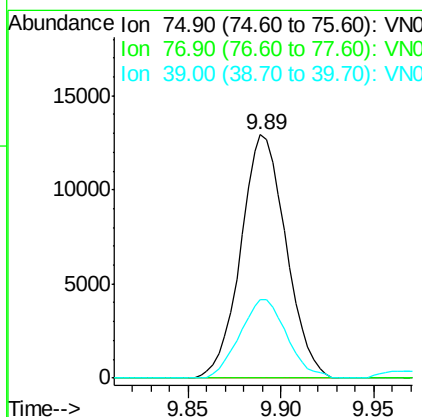
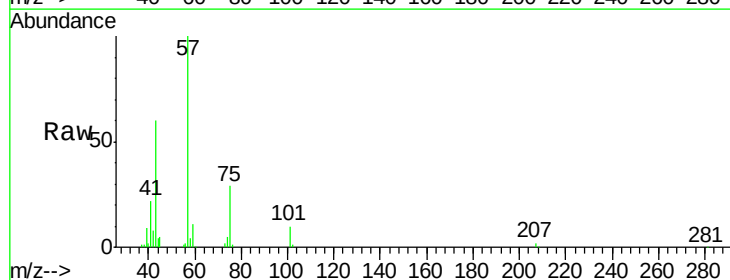
Instrument :
 MSVOA_N
 ClientSampleID :
 TP-3-D

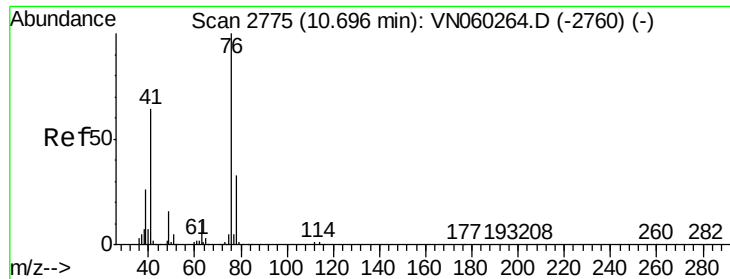
Tgt Ion: 43 Resp: 4176
 Ion Ratio Lower Upper
 43 100
 58 30.4 30.9 46.3#



#54
 cis-1,3-Dichloropropene
 Concen: 5.602 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060431.D
 Acq: 10 Mar 2020 20:41

Tgt Ion: 75 Resp: 21920
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.2 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 0.973 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

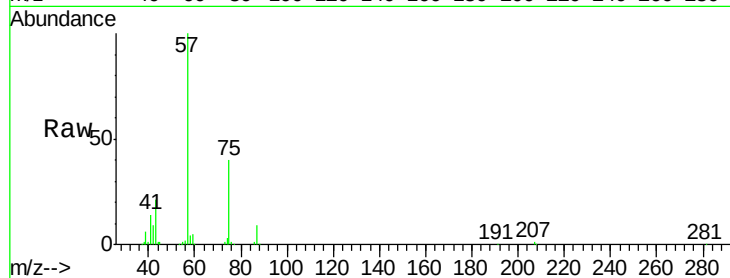
TP-3-D

Tgt Ion: 76 Resp: 3582

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060431.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060431.D (-2682) (-)

10.75

2500

2000

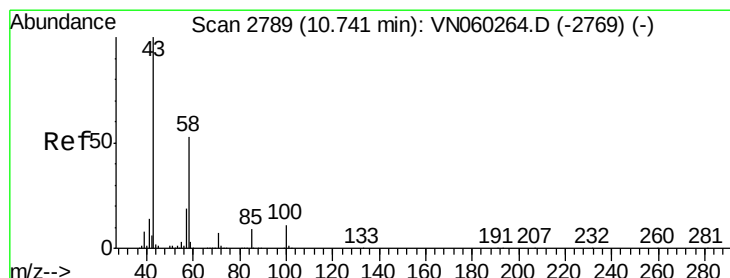
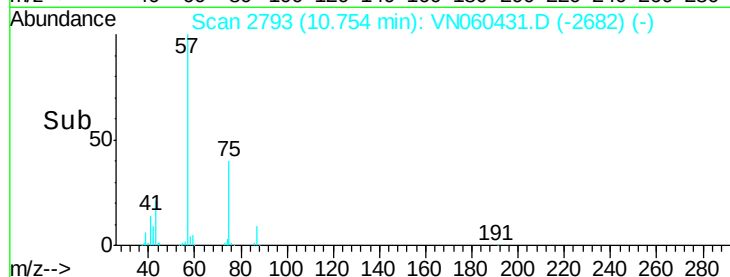
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 25.304 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060431.D

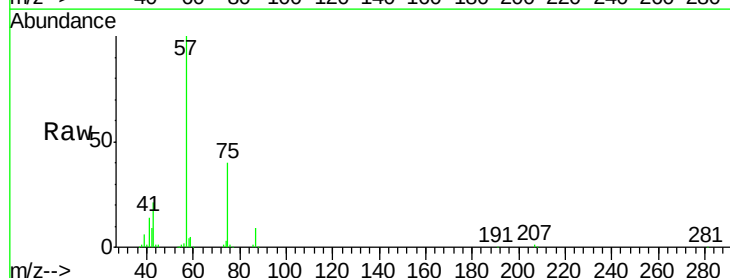
Acq: 10 Mar 2020 20:41

Tgt Ion: 43 Resp: 53586

Ion Ratio Lower Upper

43 100

58 18.7 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060431.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060431.D (-2696) (-)

10.75

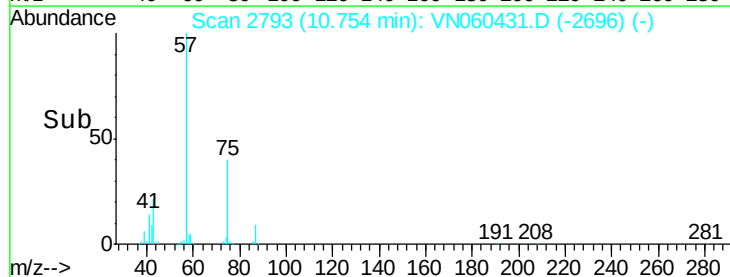
30000

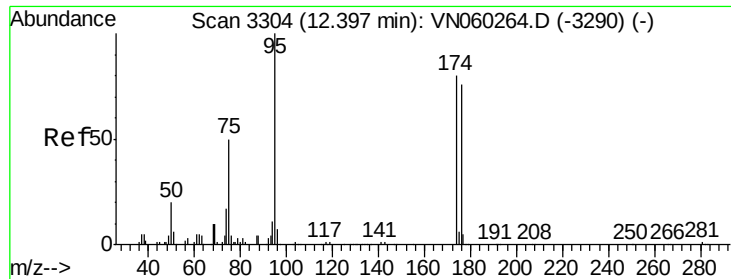
20000

10000

0

Time--> 10.70 10.75 10.80

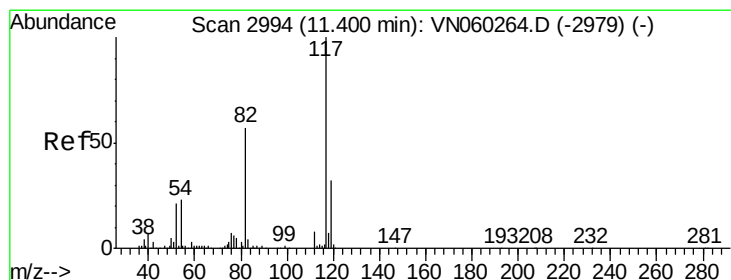
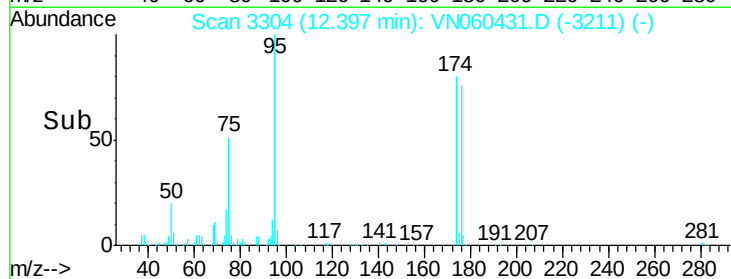
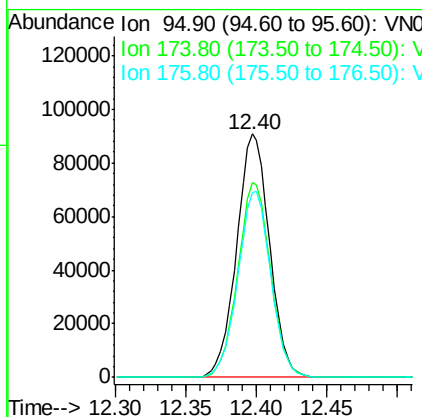
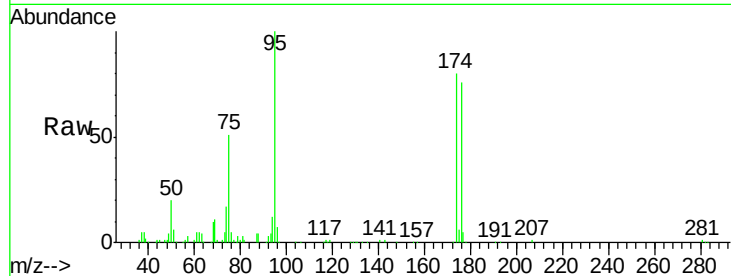




#62
4-Bromofluorobenzene
Concen: 51.743 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

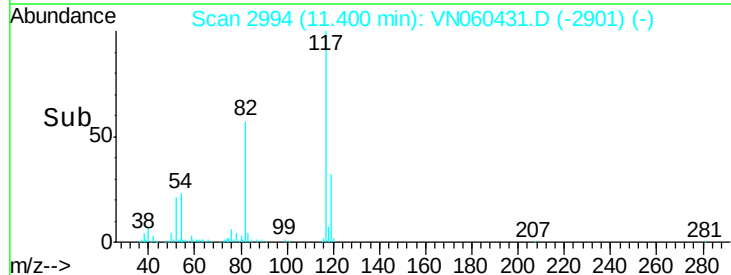
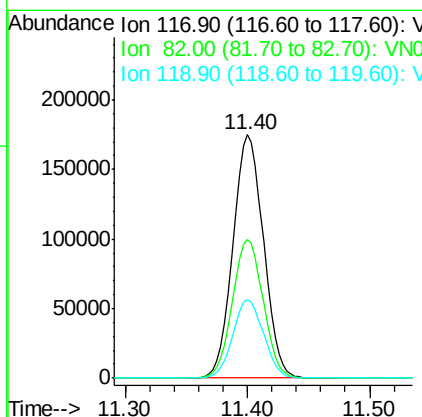
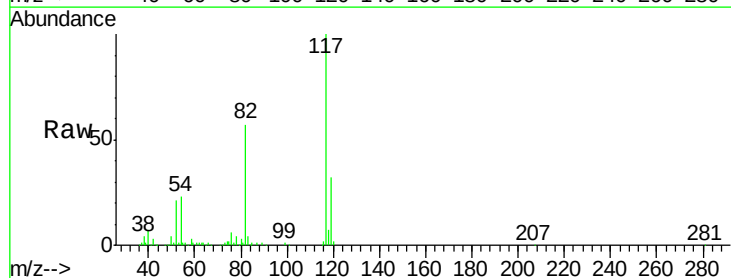
Instrument :
MSVOA_N
ClientSampleId :
TP-3-D

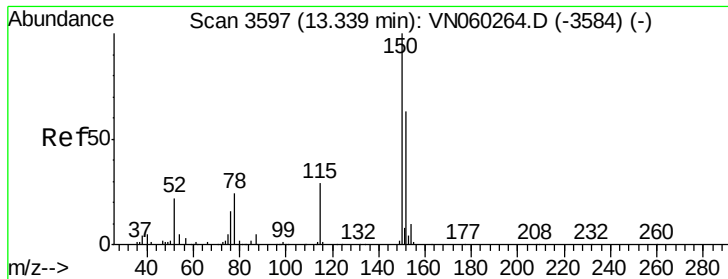
Tgt Ion: 95 Resp: 148373
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.2
176 76.5 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

Tgt Ion: 117 Resp: 303653
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

TP-3-D

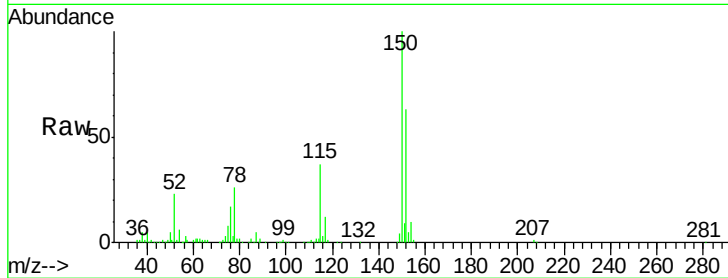
Tgt Ion:152 Resp: 140268

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

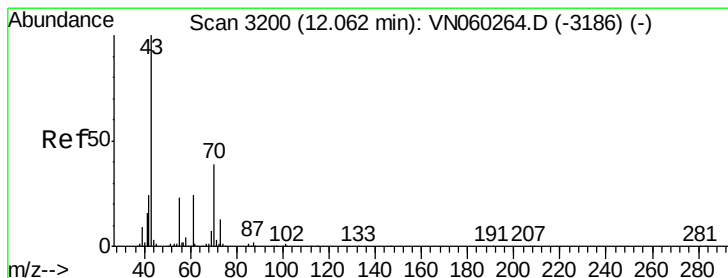
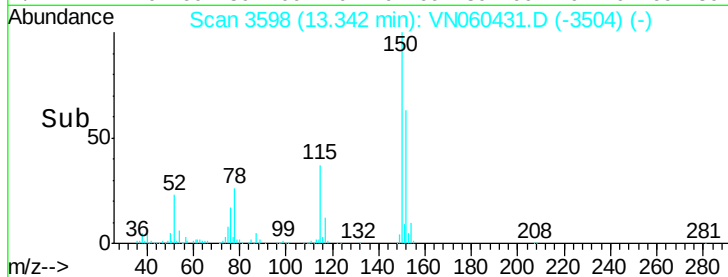
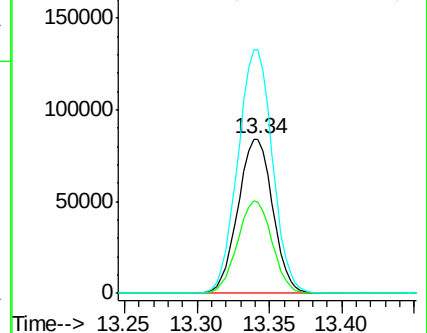
150 157.4 0.0 349.6



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: 0.429 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Tgt Ion: 43 Resp: 1950

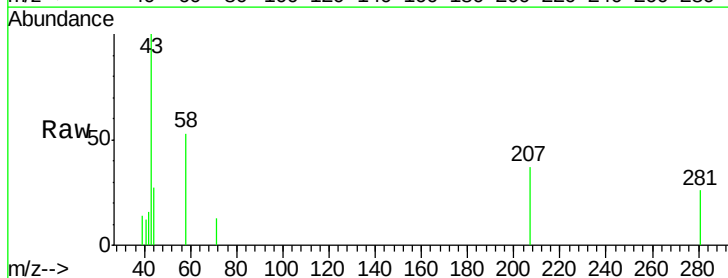
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

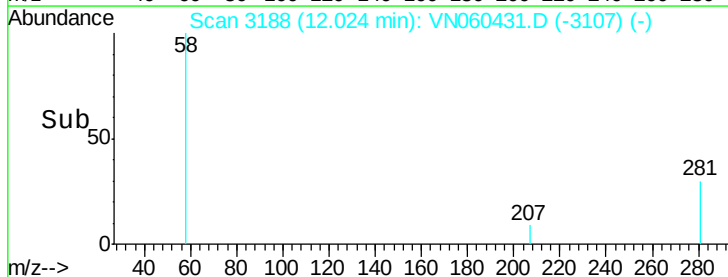
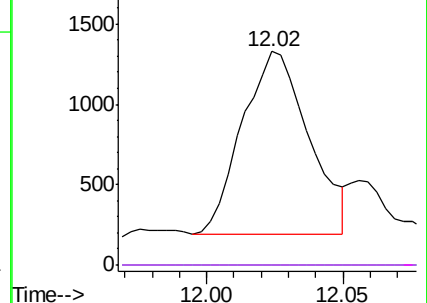


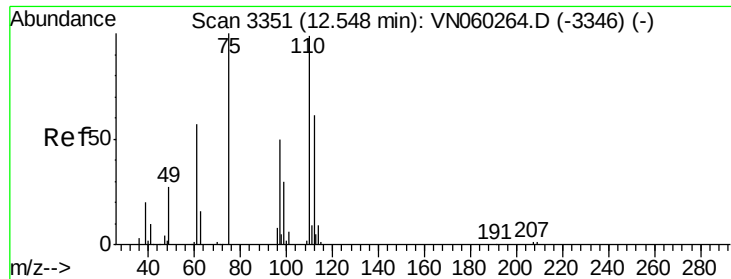
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.845 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

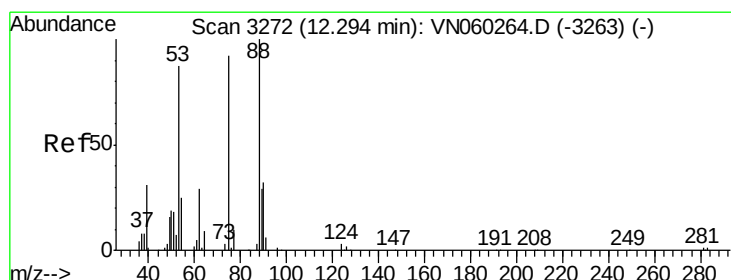
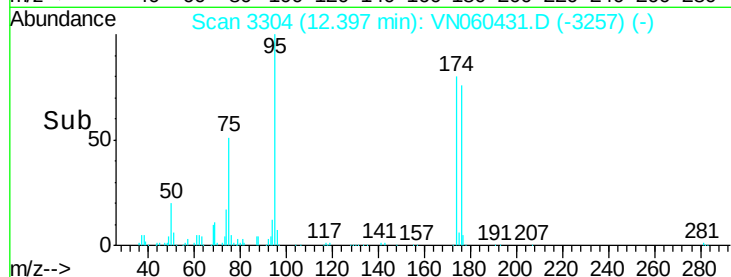
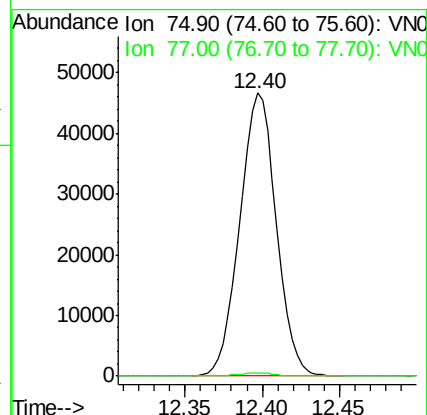
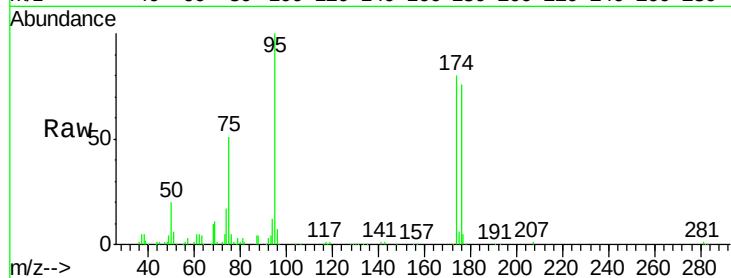
TP-3-D

Tgt Ion: 75 Resp: 76459

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.583 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060431.D

Acq: 10 Mar 2020 20:41

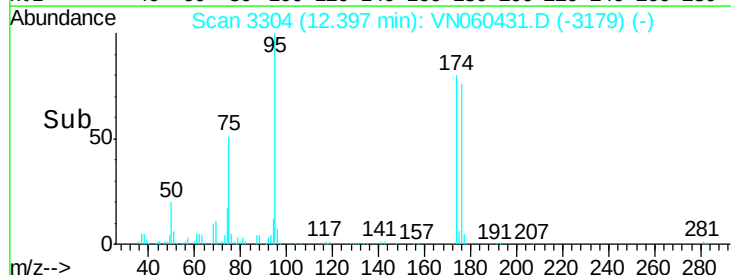
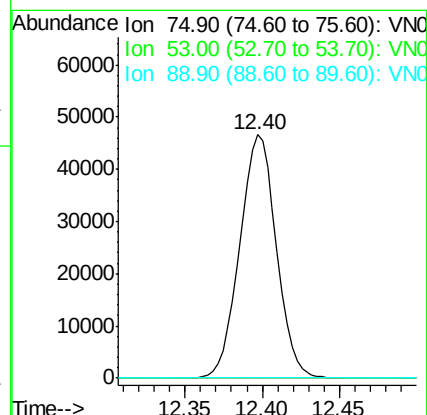
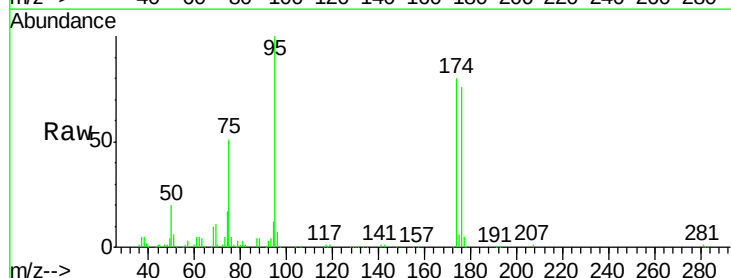
Tgt Ion: 75 Resp: 76459

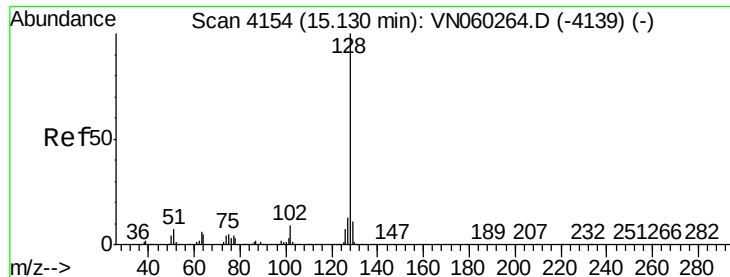
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#





#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060431.D
Acq: 10 Mar 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
TP-3-D

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

