

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060432.D
 Acq On : 10 Mar 2020 21:04
 Operator : JC/MD
 Sample : L1852-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4-S

Quant Time: Mar 11 06:44:37 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	186737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120943	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.57	113	89752	63.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.26%	
50) Toluene-d8	10.08	98	377899	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.40	95	137453	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

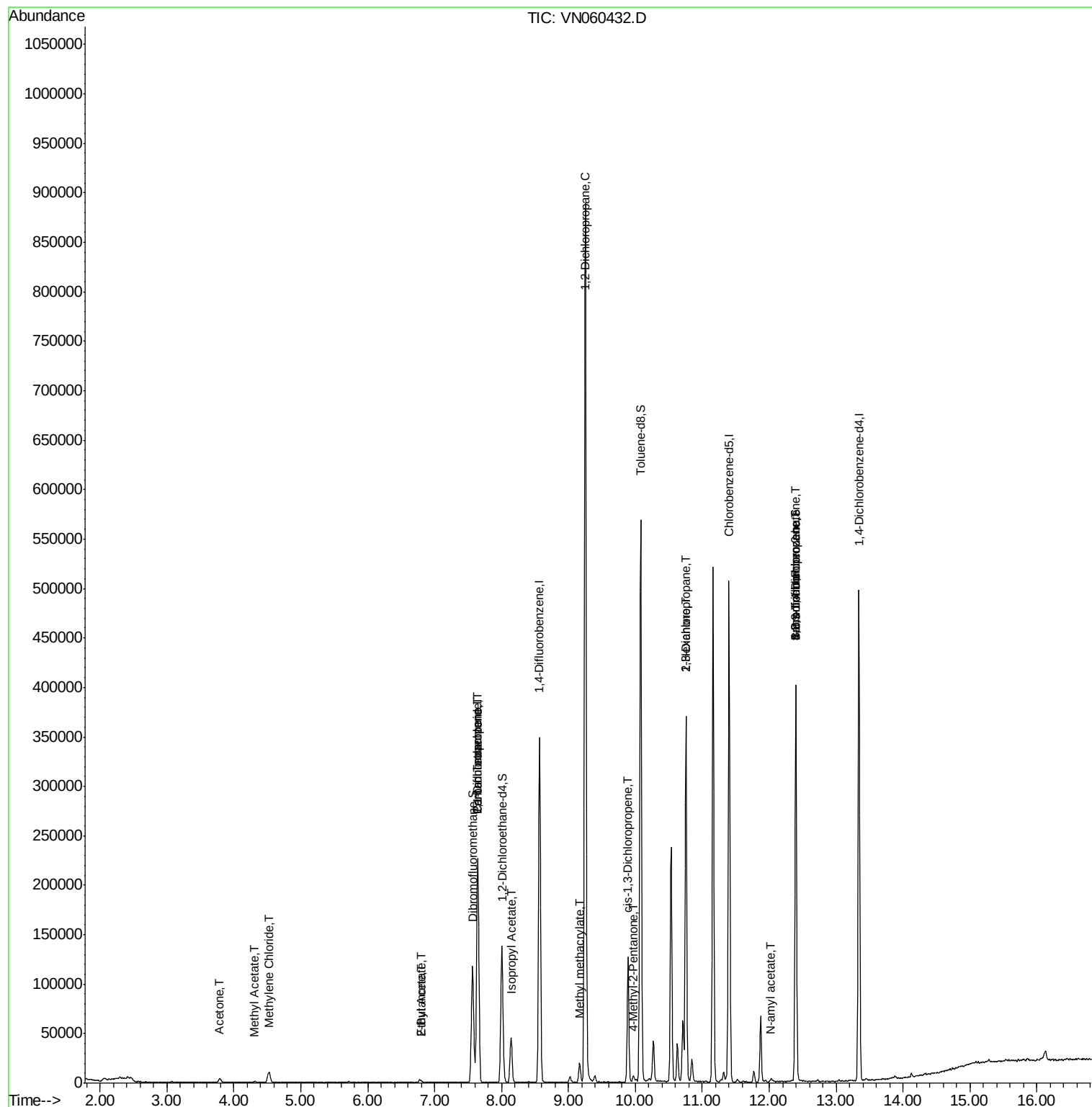
					Qvalue	
16) Acetone	3.79	43	7462	9.645	ug/l	96
18) Methyl Acetate	4.30	43	1510	0.585	ug/l #	61
20) Methylene Chloride	4.53	84	8286	3.900	ug/l	96
25) 2-Butanone	6.81	43	1343	1.075	ug/l #	49
31) Cyclohexane	7.65	56	3914	Below Cal	#	12
36) 1,1-Dichloropropene	7.64	75	14465	4.955	ug/l #	50
37) Ethyl Acetate	6.81	43	1343	0.486	ug/l #	68
38) Carbon Tetrachloride	7.65	117	17782	6.257	ug/l #	16
43) Isopropyl Acetate	8.14	43	54854	11.336	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1069	0.481	ug/l #	44
48) Methyl methacrylate	9.16	41	2766	1.254	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4323	1.576	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	23177	6.227	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	3664	1.047	ug/l #	42
59) 2-Hexanone	10.75	43	54343	26.977	ug/l #	52
71) Bromoform	12.39	173	447	0.290	ug/l #	1
74) N-amyl acetate	12.02	43	3285	0.779	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	70155	24.552	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70155	67.774	ug/l #	8
95) Naphthalene	15.13	128	679	Below Cal	#	69

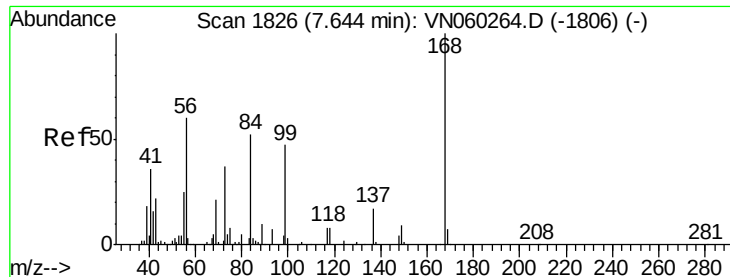
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
Data File : VN060432.D
Acq On : 10 Mar 2020 21:04
Operator : JC/MD
Sample : L1852-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-4-S

Quant Time: Mar 11 06:44:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_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# 1826

Delta R.T. 0.00 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

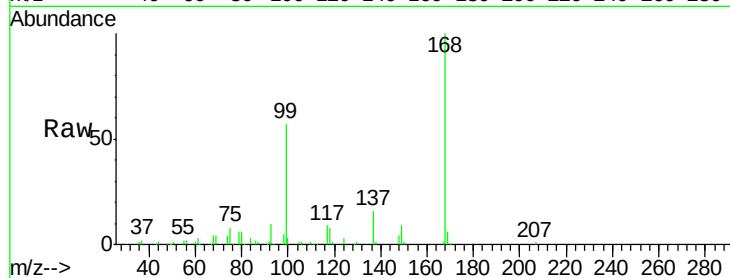
TP-4-S

Tgt Ion:168 Resp: 186737

Ion Ratio Lower Upper

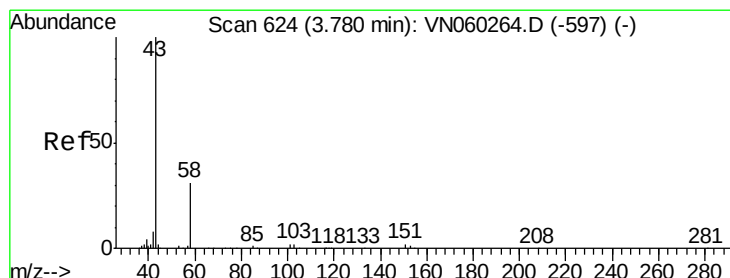
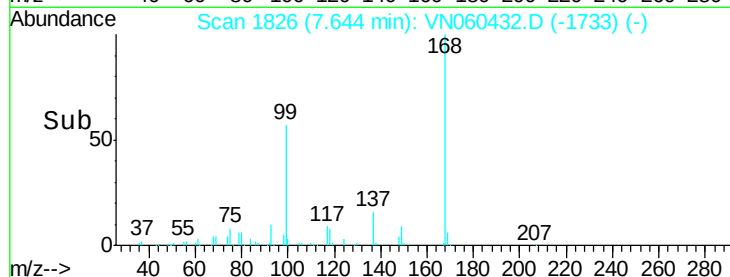
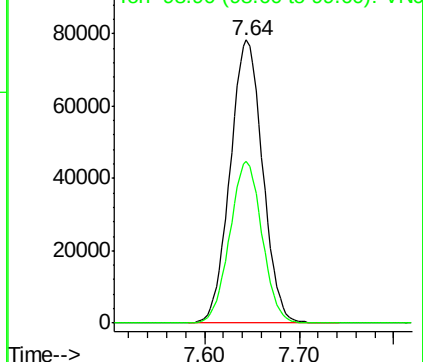
168 100

99 57.0 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: 9.645 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060432.D

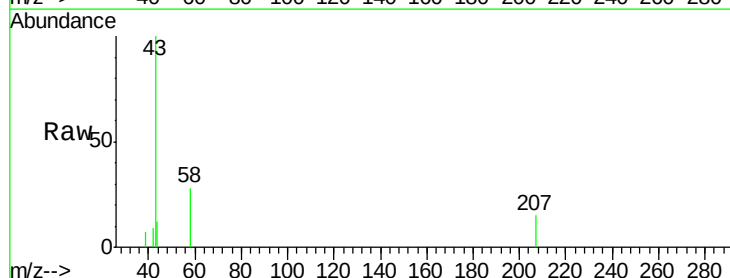
Acq: 10 Mar 2020 21:04

Tgt Ion: 43 Resp: 7462

Ion Ratio Lower Upper

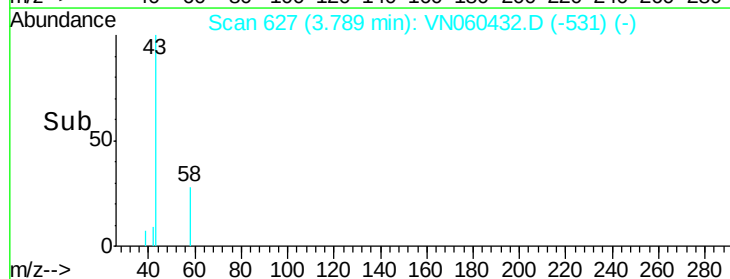
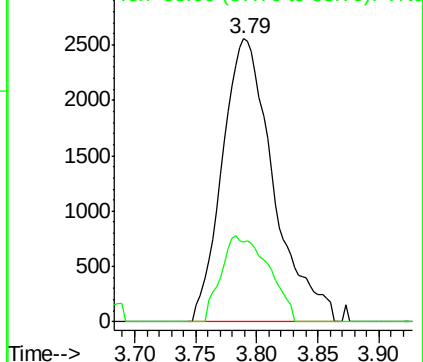
43 100

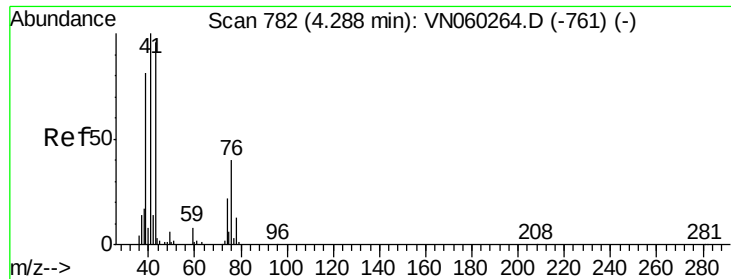
58 28.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

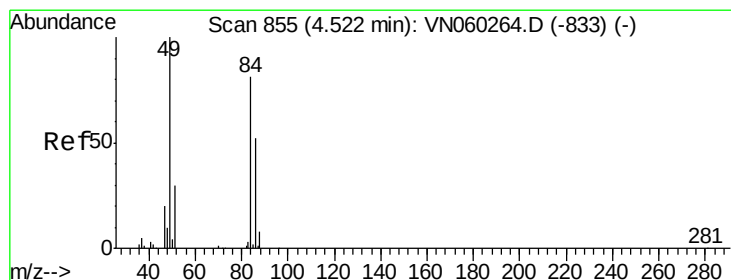
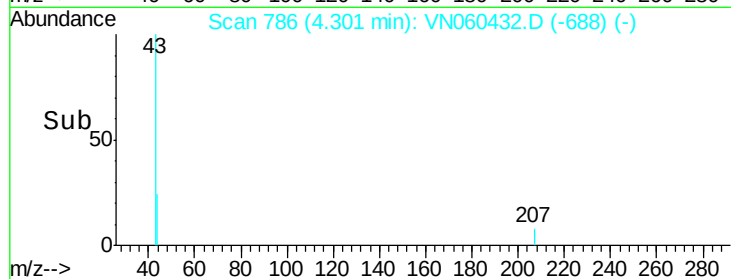
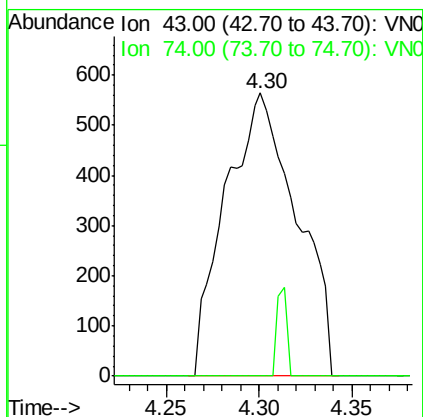
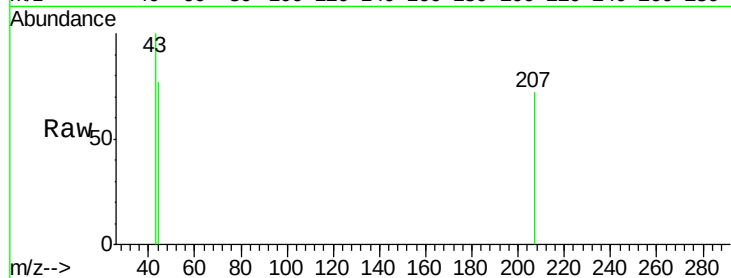




#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

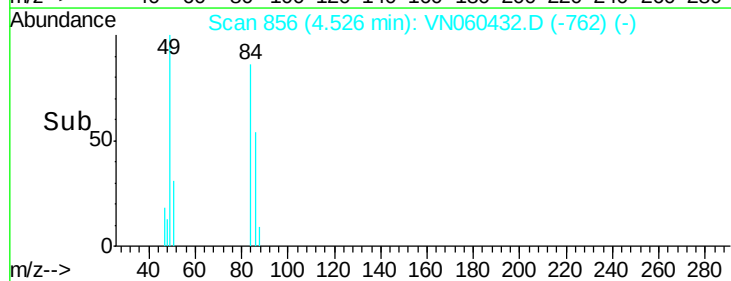
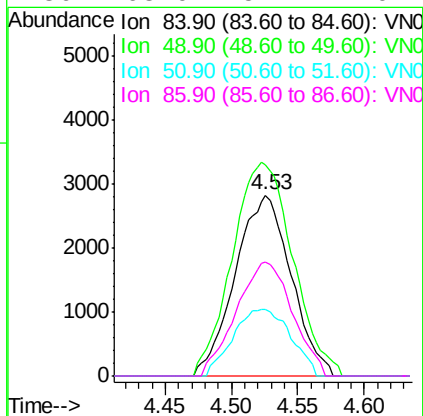
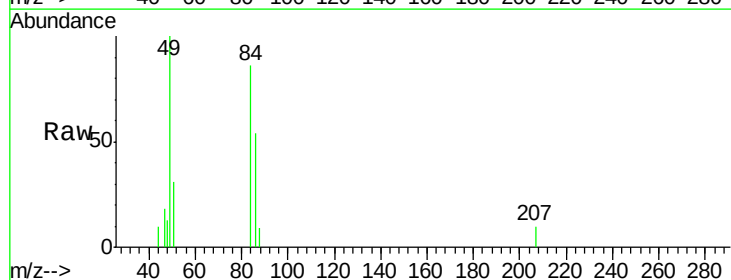
Instrument :
MSVOA_N
ClientSampleId :
TP-4-S

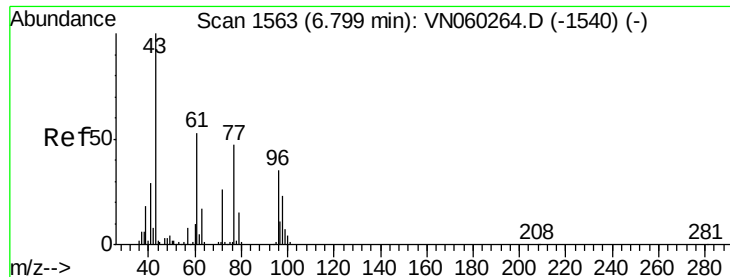
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 4.3 18.8 28.2#



#20
Methylene Chloride
Concen: 3.900 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

Tgt Ion: 84 Resp: 8286
Ion Ratio Lower Upper
84 100
49 116.5 99.3 148.9
51 36.6 30.1 45.1
86 63.0 51.1 76.7





#25

2-Butanone

Concen: 1.075 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampled :

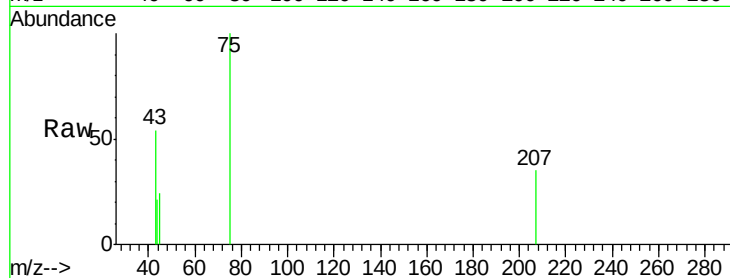
TP-4-S

Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

500

400

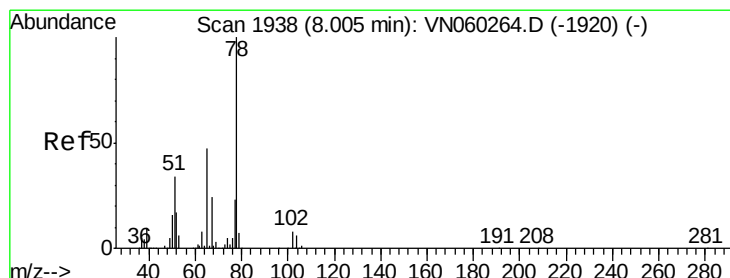
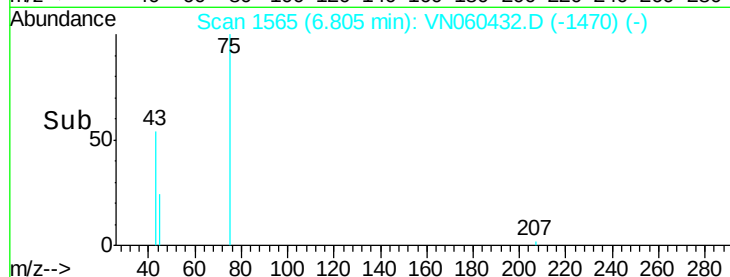
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.480 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060432.D

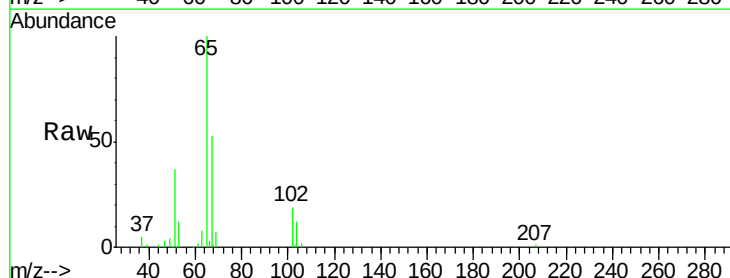
Acq: 10 Mar 2020 21:04

Tgt Ion: 65 Resp: 120943

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

60000

50000

40000

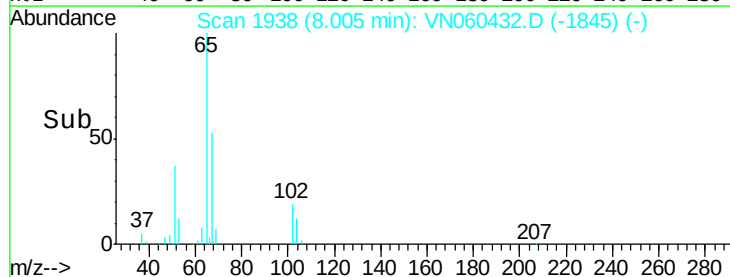
30000

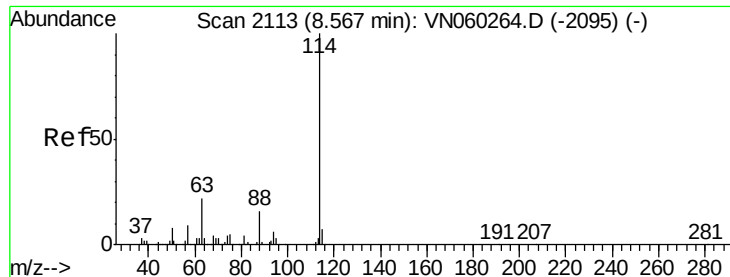
20000

10000

0

Time-->

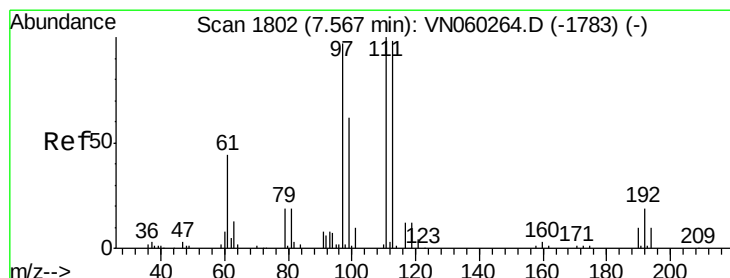
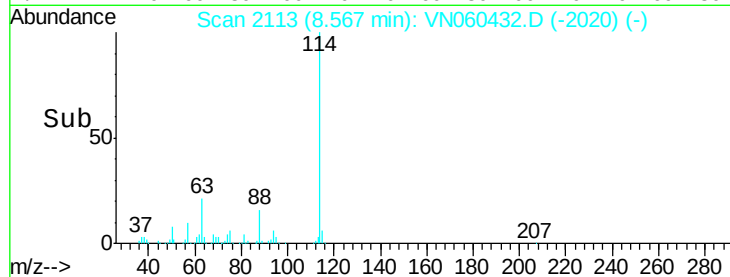
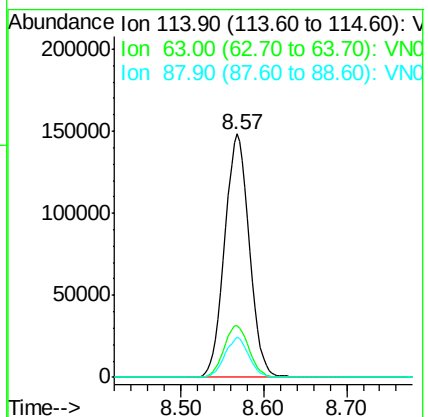
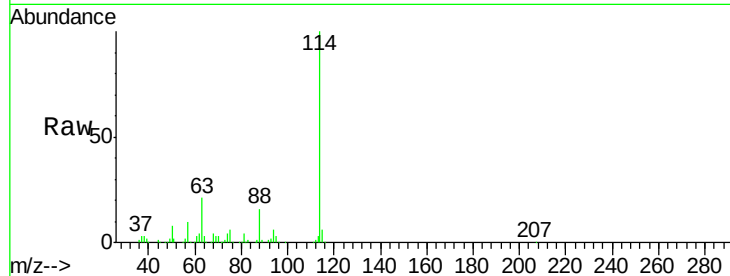




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

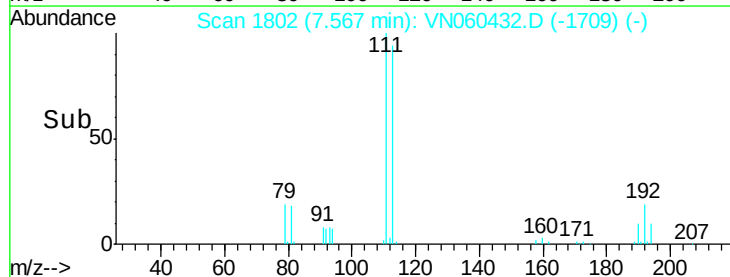
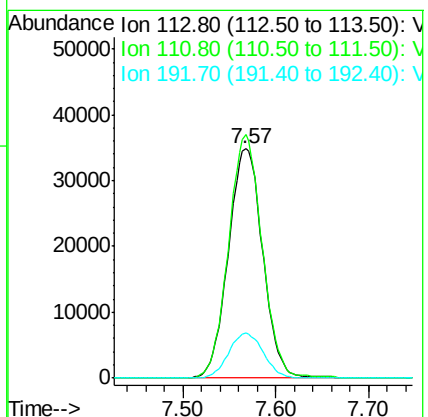
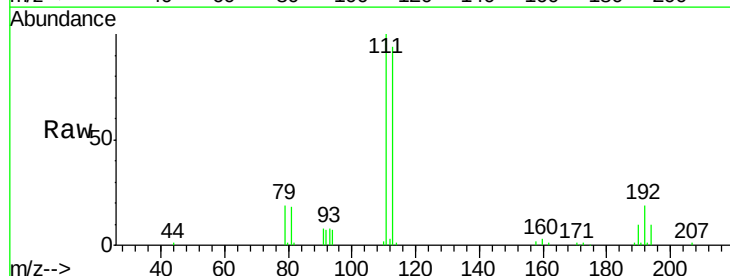
Instrument :
MSVOA_N
ClientSampleId :
TP-4-S

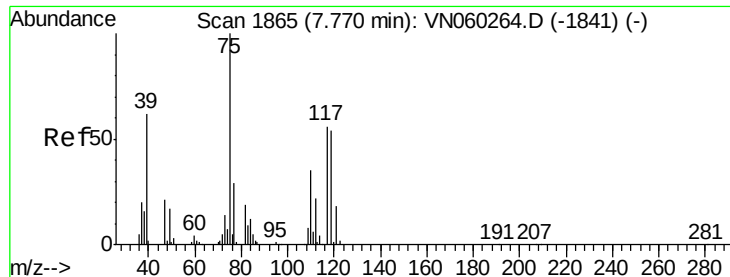
Tgt Ion:114 Resp: 306291
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 63.130 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

Tgt Ion:113 Resp: 89752
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.8 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

TP-4-S

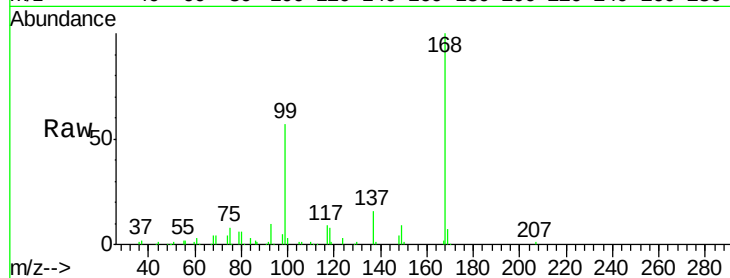
Tgt Ion: 75 Resp: 14465

Ion Ratio Lower Upper

75 100

110 8.2 17.3 52.0#

77 0.0 24.2 36.2#

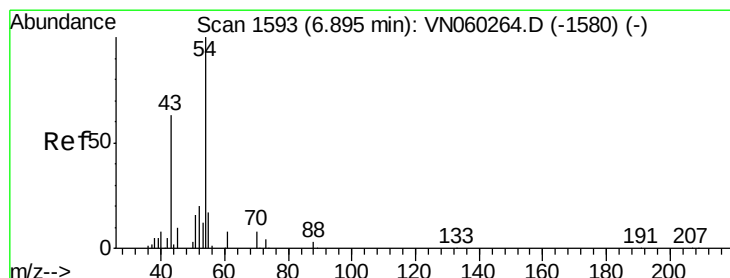
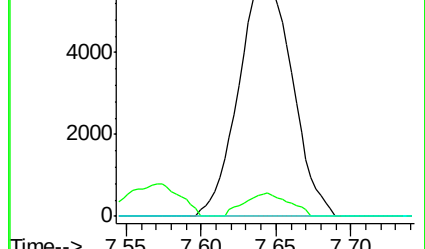
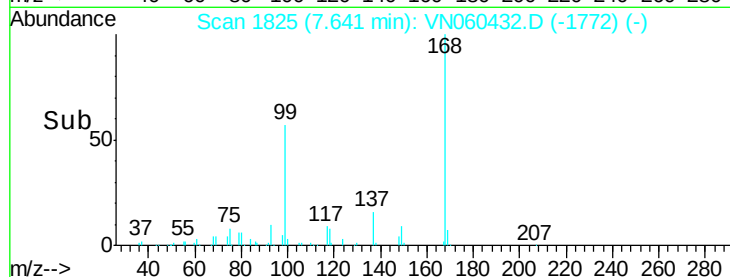


Abundance Ion 74.90 (74.60 to 75.60): VN060432.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060432.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060432.D (-1772) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.486 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

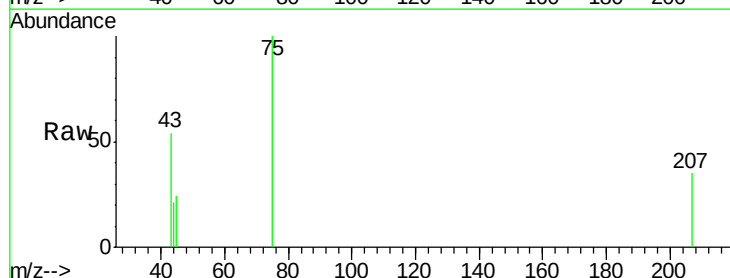
Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#

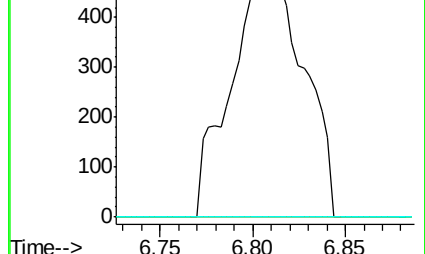
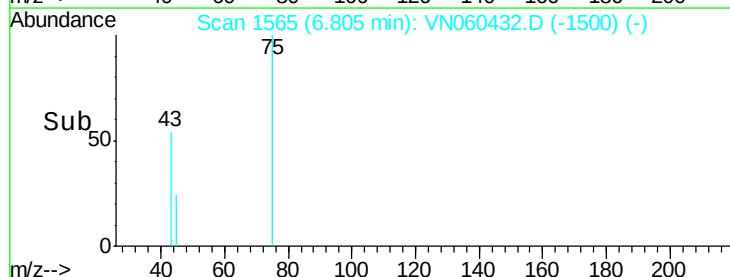


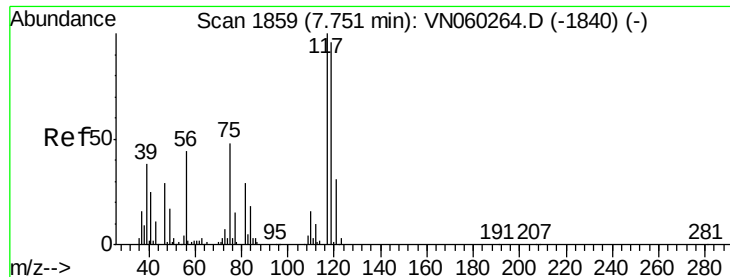
Abundance Ion 43.00 (42.70 to 43.70): VN060432.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060432.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060432.D (-1500) (-)

Time-->





#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.10 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

TP-4-S

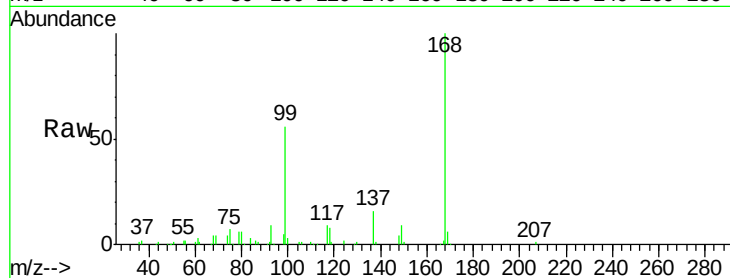
Tgt Ion:117 Resp: 17782

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

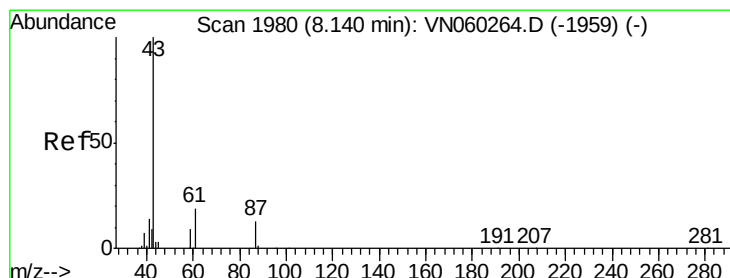
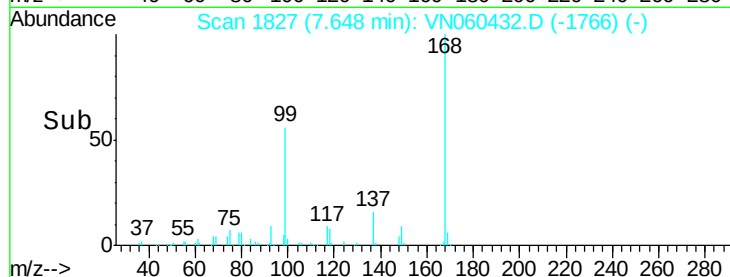
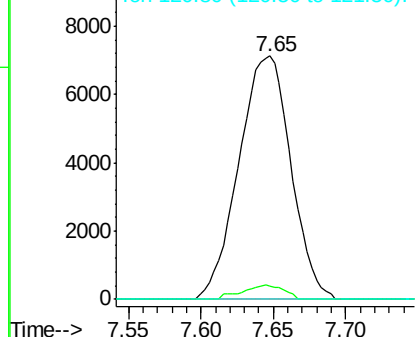
121 0.0 24.5 36.7#



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: 11.336 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

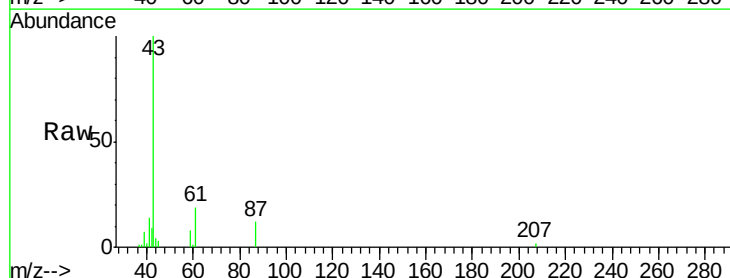
Tgt Ion: 43 Resp: 54854

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

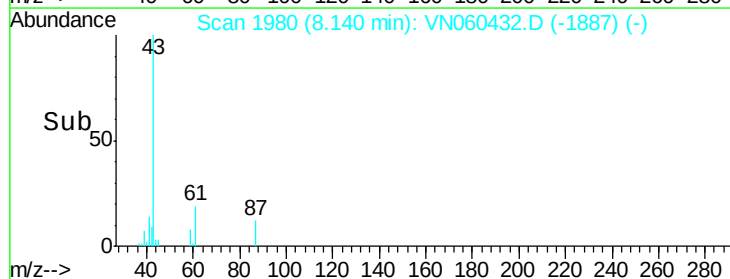
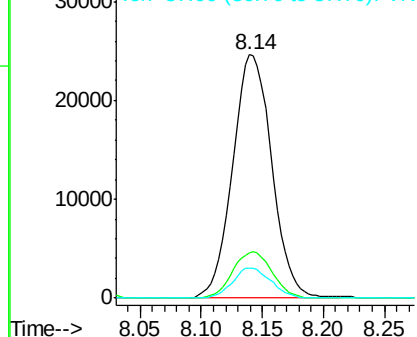
87 12.1 10.6 16.0

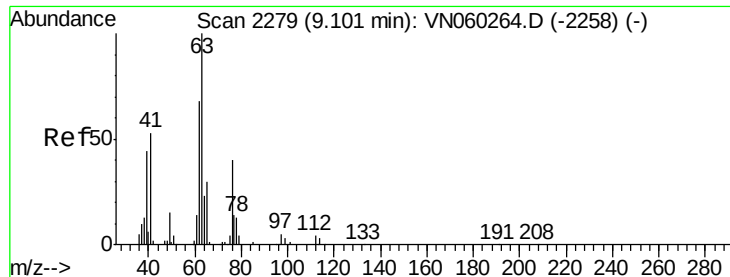


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

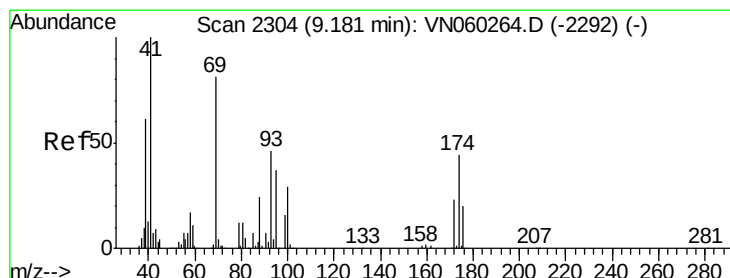
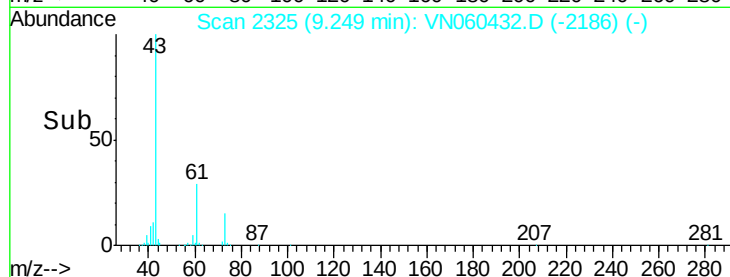
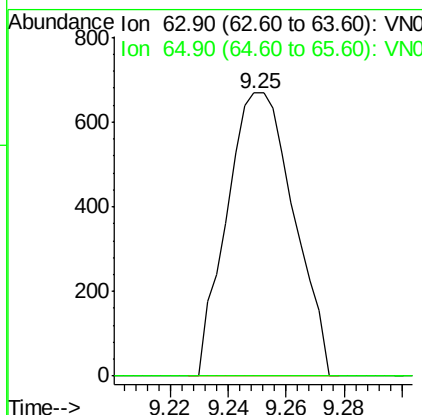
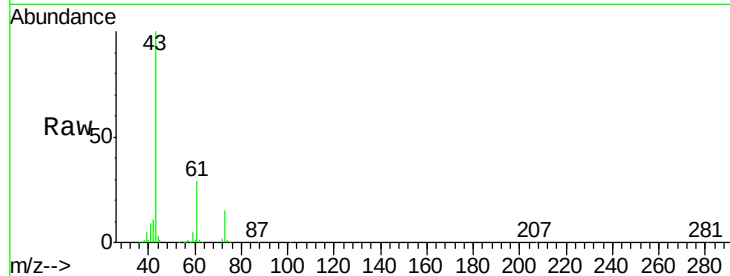




#45
 1,2-Dichloropropane
 Concen: 0.481 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060432.D
 Acq: 10 Mar 2020 21:04

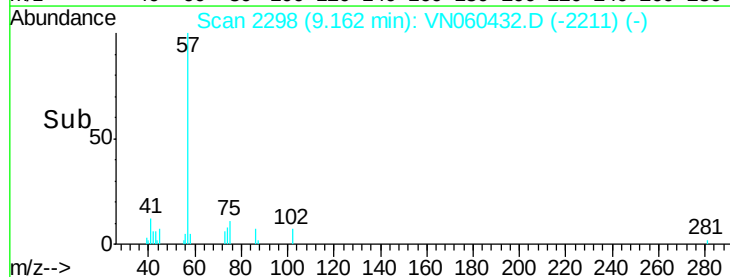
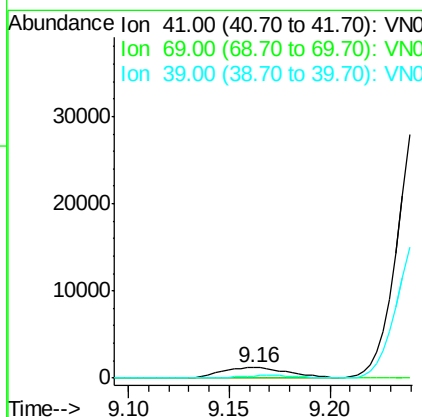
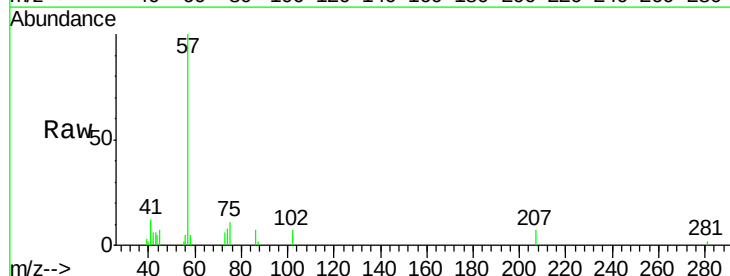
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4-S

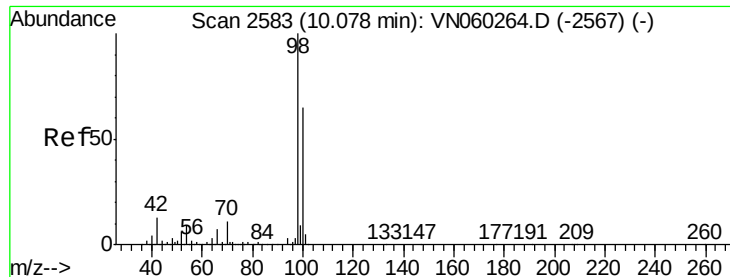
Tgt Ion: 63 Resp: 1069
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.254 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060432.D
 Acq: 10 Mar 2020 21:04

Tgt Ion: 41 Resp: 2766
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.519 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

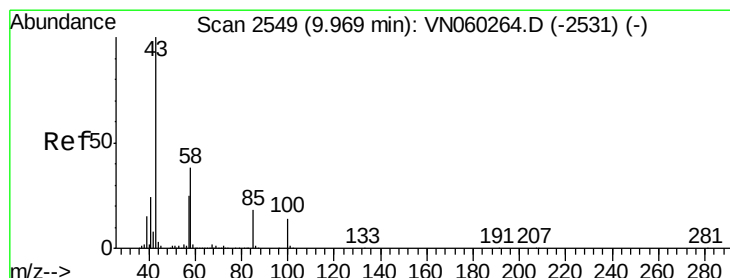
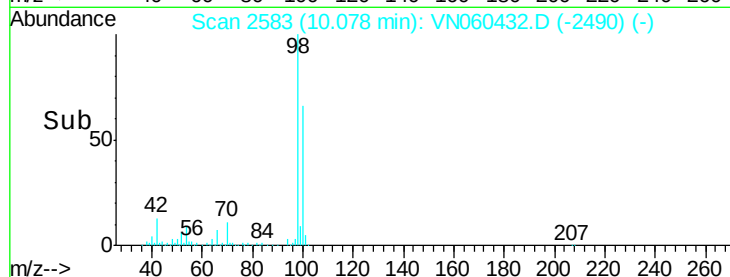
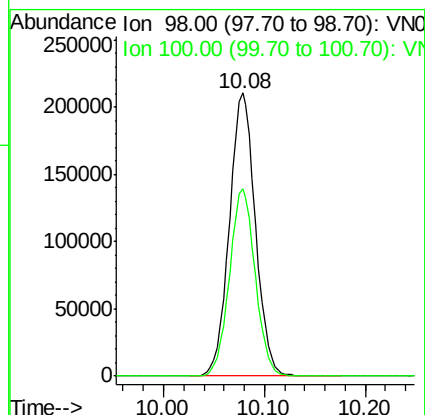
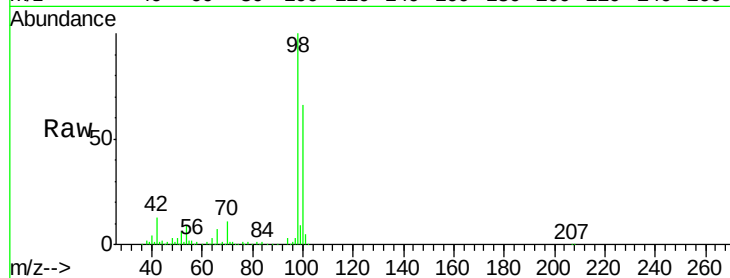
TP-4-S

Tgt Ion: 98 Resp: 377899

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.576 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060432.D

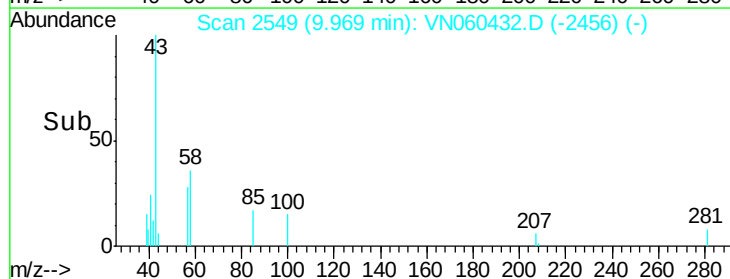
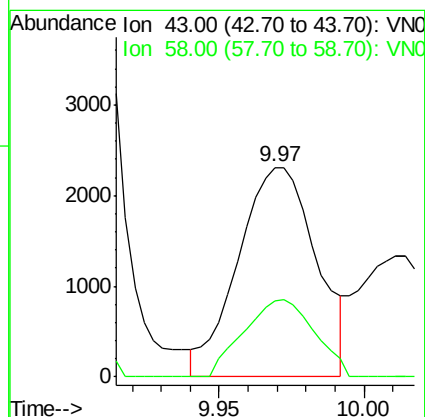
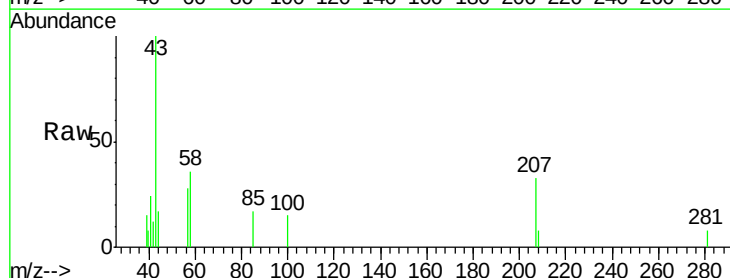
Acq: 10 Mar 2020 21:04

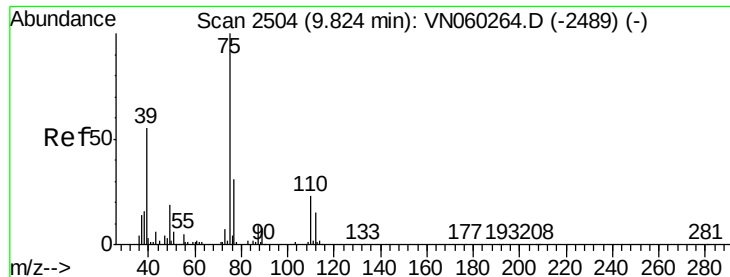
Tgt Ion: 43 Resp: 4323

Ion Ratio Lower Upper

43 100

58 33.2 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.227 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampled :

TP-4-S

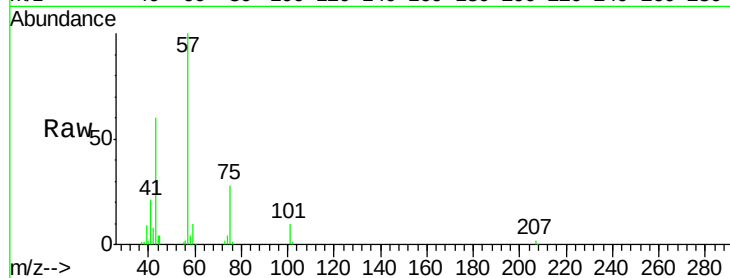
Tgt Ion: 75 Resp: 23177

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

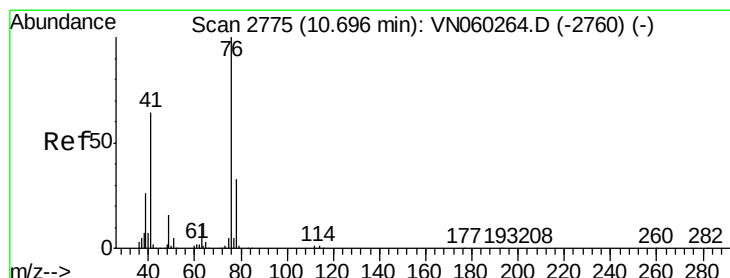
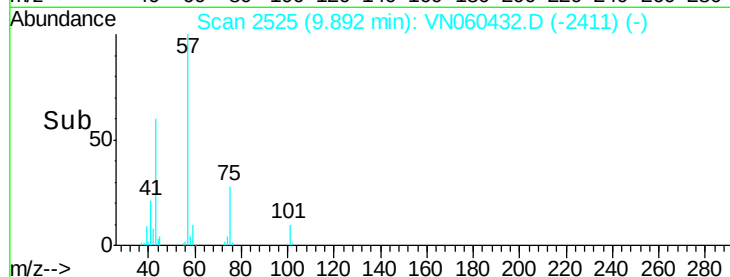
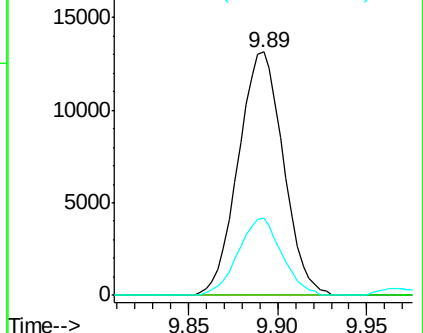
39 31.5 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060432.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060432.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060432.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 1.047 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060432.D

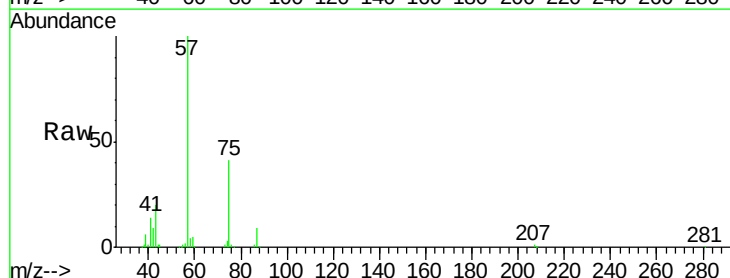
Acq: 10 Mar 2020 21:04

Tgt Ion: 76 Resp: 3664

Ion Ratio Lower Upper

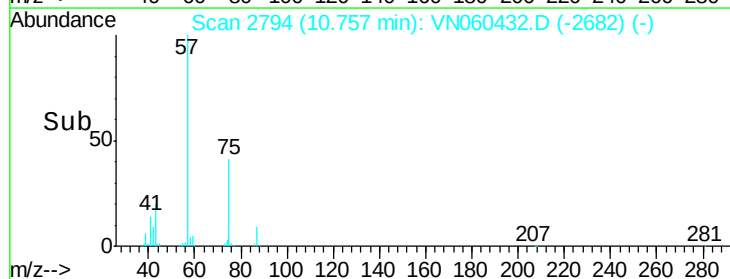
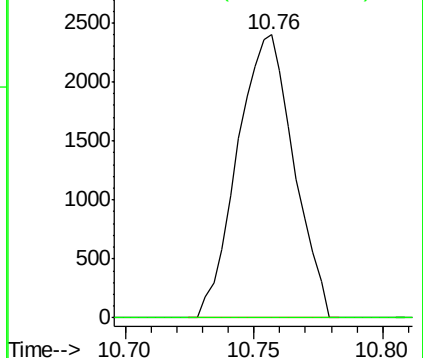
76 100

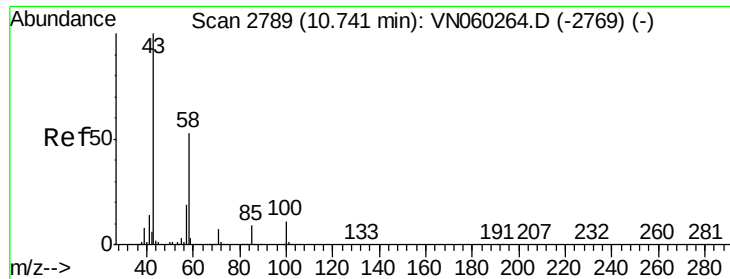
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060432.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060432.D (-2682) (-)

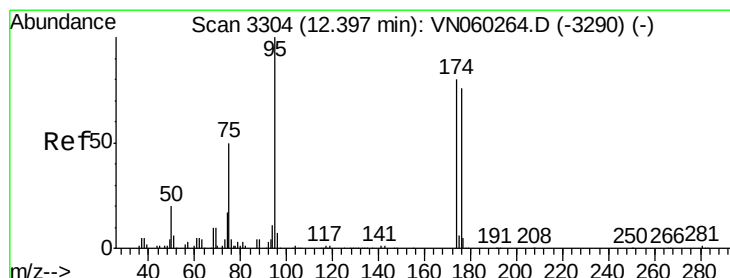
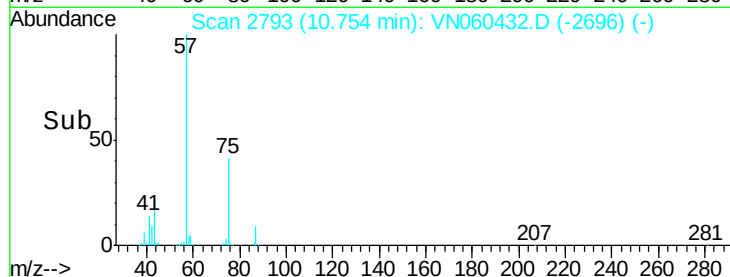
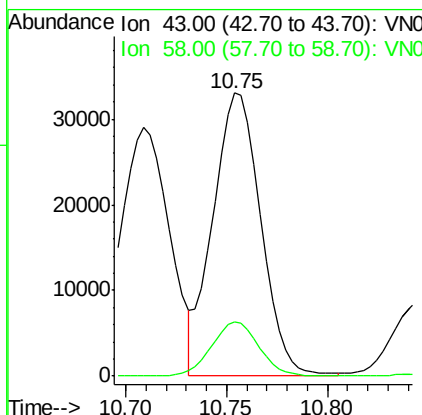
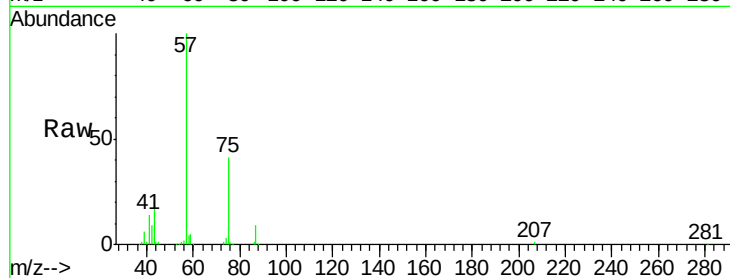




#59
2-Hexanone
Concen: 26.977 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

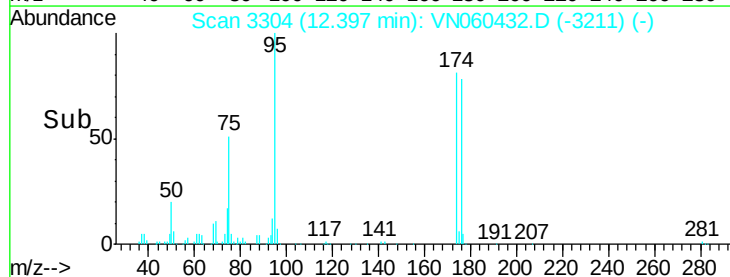
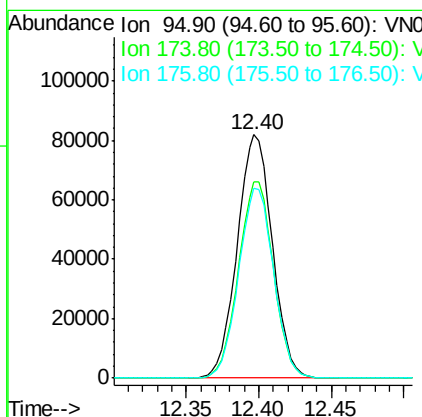
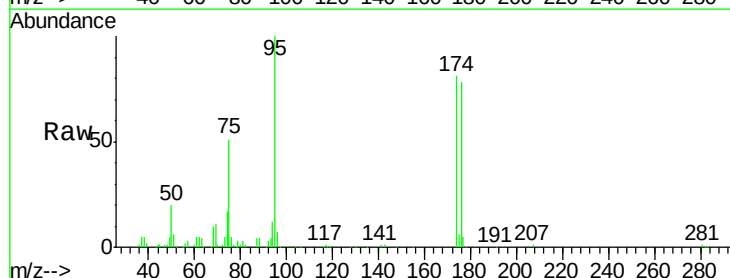
Instrument :
MSVOA_N
ClientSampled :
TP-4-S

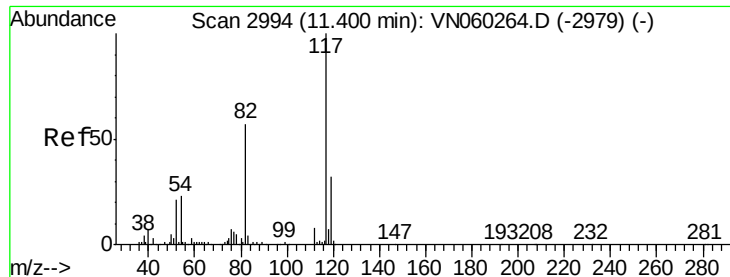
Tgt Ion: 43 Resp: 54343
Ion Ratio Lower Upper
43 100
58 18.9 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 50.393 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

Tgt Ion: 95 Resp: 137453
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.2
176 77.8 0.0 153.8

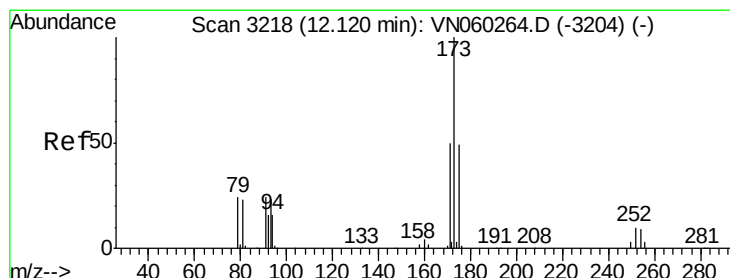
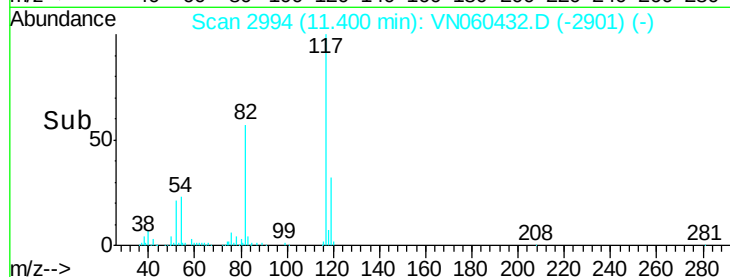
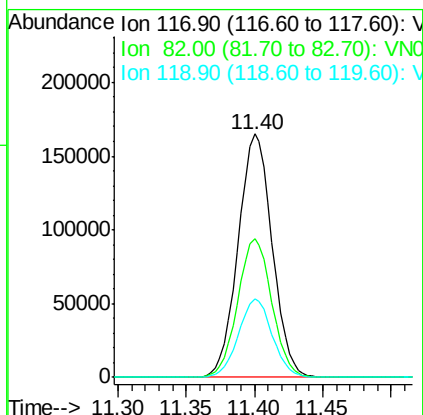
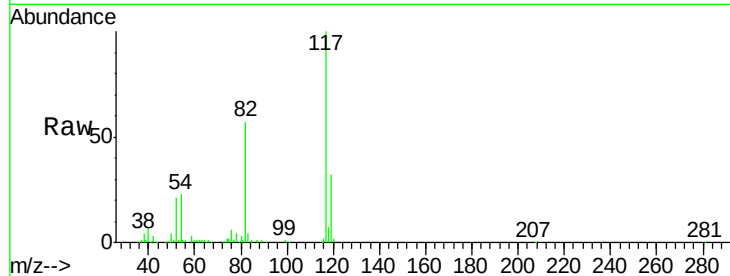




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

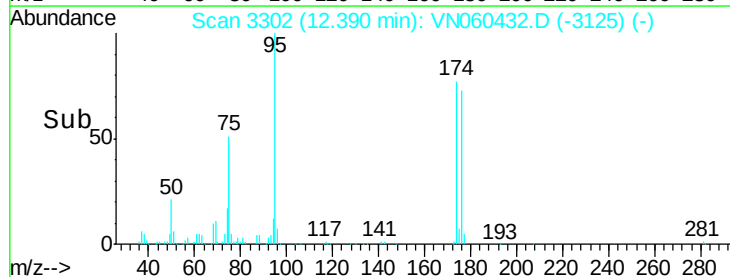
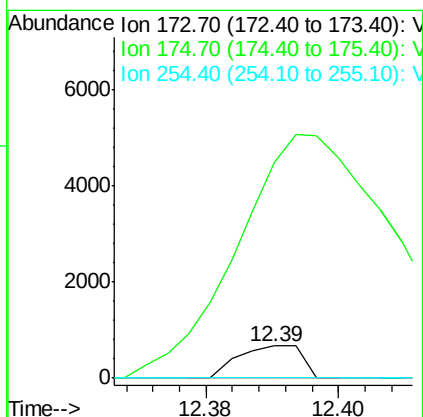
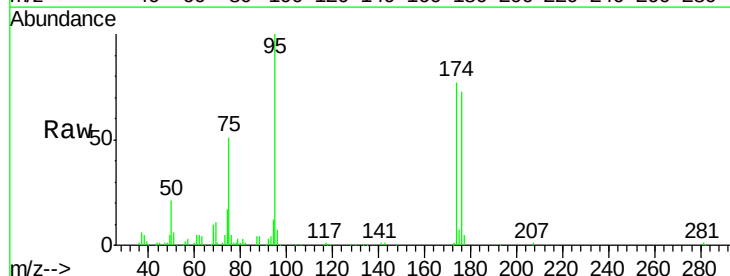
Instrument :
MSVOA_N
ClientSampled :
TP-4-S

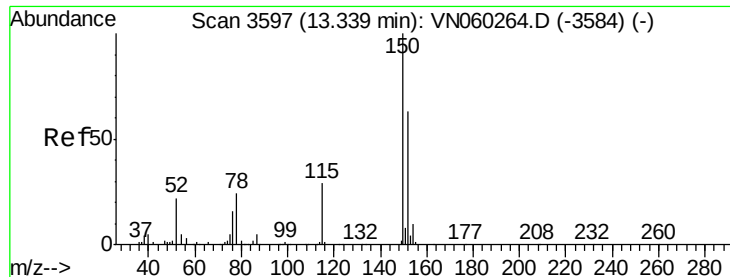
Tgt Ion:117 Resp: 286118
Ion Ratio Lower Upper
117 100
82 57.1 45.8 68.6
119 32.1 25.8 38.8



#71
Bromoform
Concen: 0.290 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060432.D
Acq: 10 Mar 2020 21:04

Tgt Ion:173 Resp: 447
Ion Ratio Lower Upper
173 100
175 1552.3 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

TP-4-S

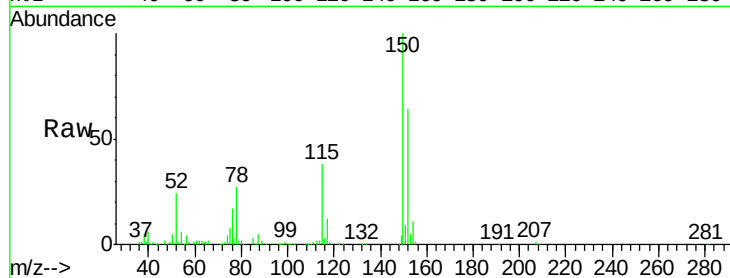
Tgt Ion:152 Resp: 130239

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

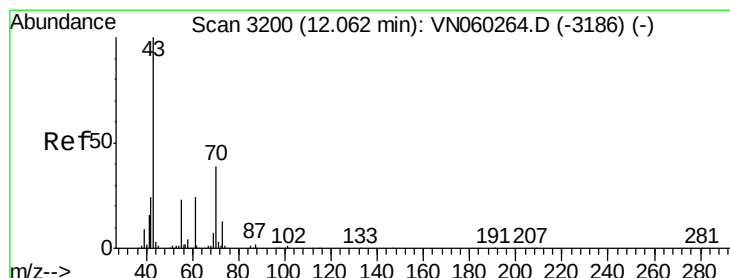
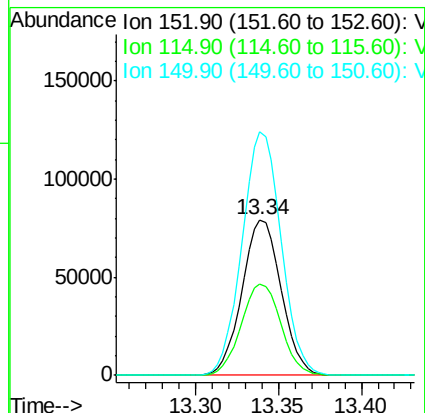
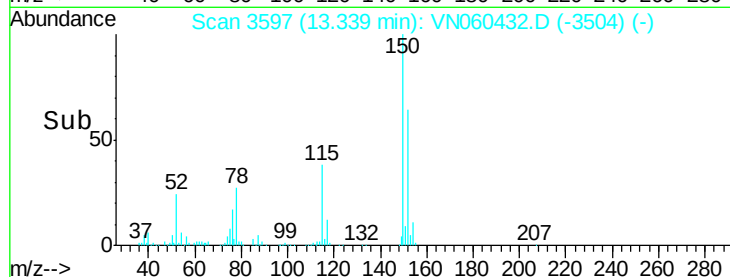
150 156.8 0.0 349.6



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: 0.779 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060432.D

Acq: 10 Mar 2020 21:04

Tgt Ion: 43 Resp: 3285

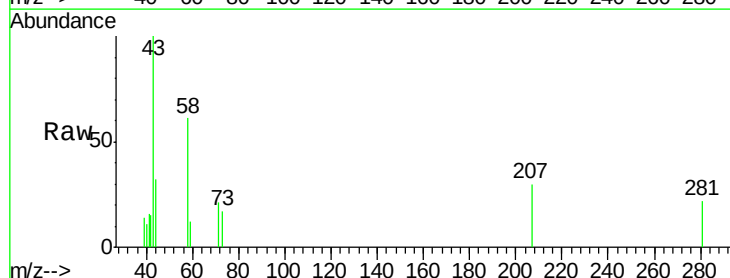
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

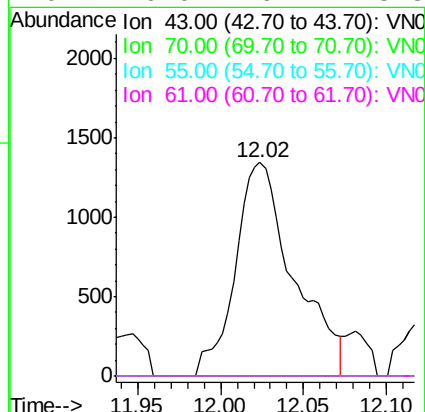
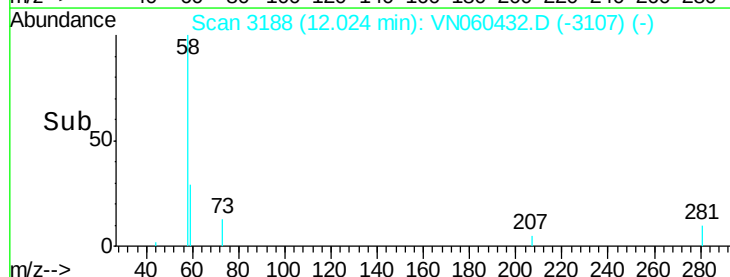


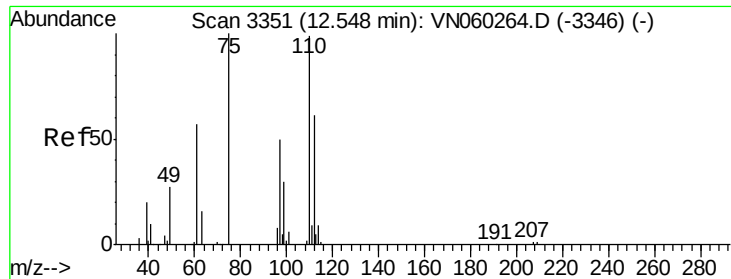
Abundance Ion 43.00 (42.70 to 43.70): V

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

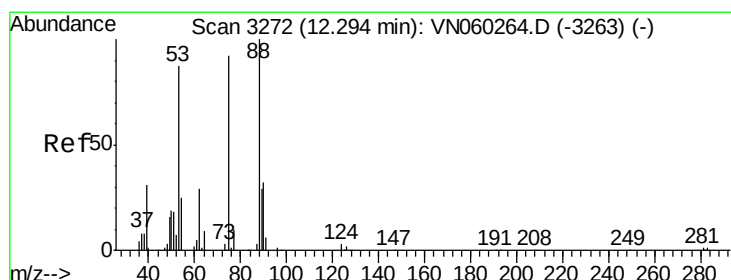
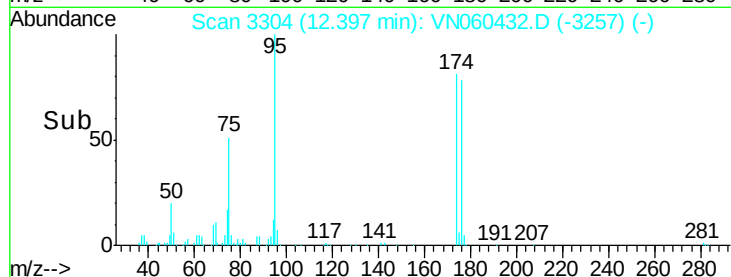
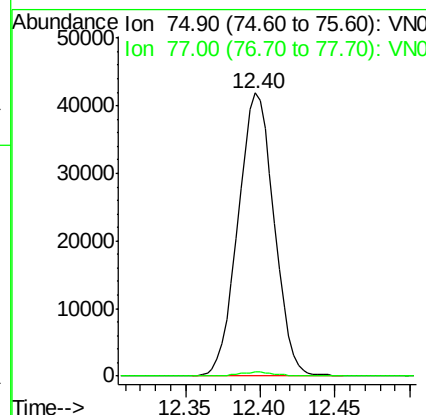
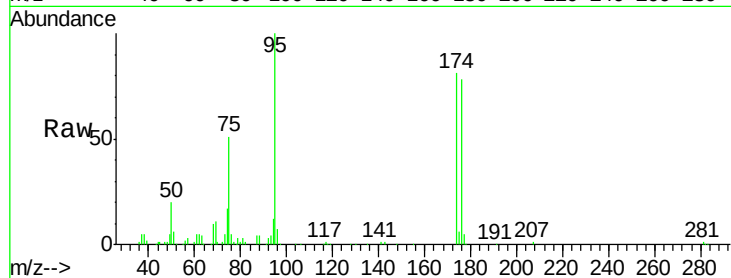




#76
 1,2,3-Trichloropropane
 Concen: 24.552 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060432.D
 Acq: 10 Mar 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4-S

Tgt Ion: 75 Resp: 70155
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.774 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060432.D
 Acq: 10 Mar 2020 21:04

Tgt Ion: 75 Resp: 70155
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

