

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060326.D
 Acq On : 3 Mar 2020 13:56
 Operator : JC/MD
 Sample : PB127227ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:13:59 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	193198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134148	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	122956	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.57	113	86177	59.73	ug/l	0.00
Spiked Amount			Recovery	=	119.46%	
50) Toluene-d8	10.08	98	384510	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.40	95	141151	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

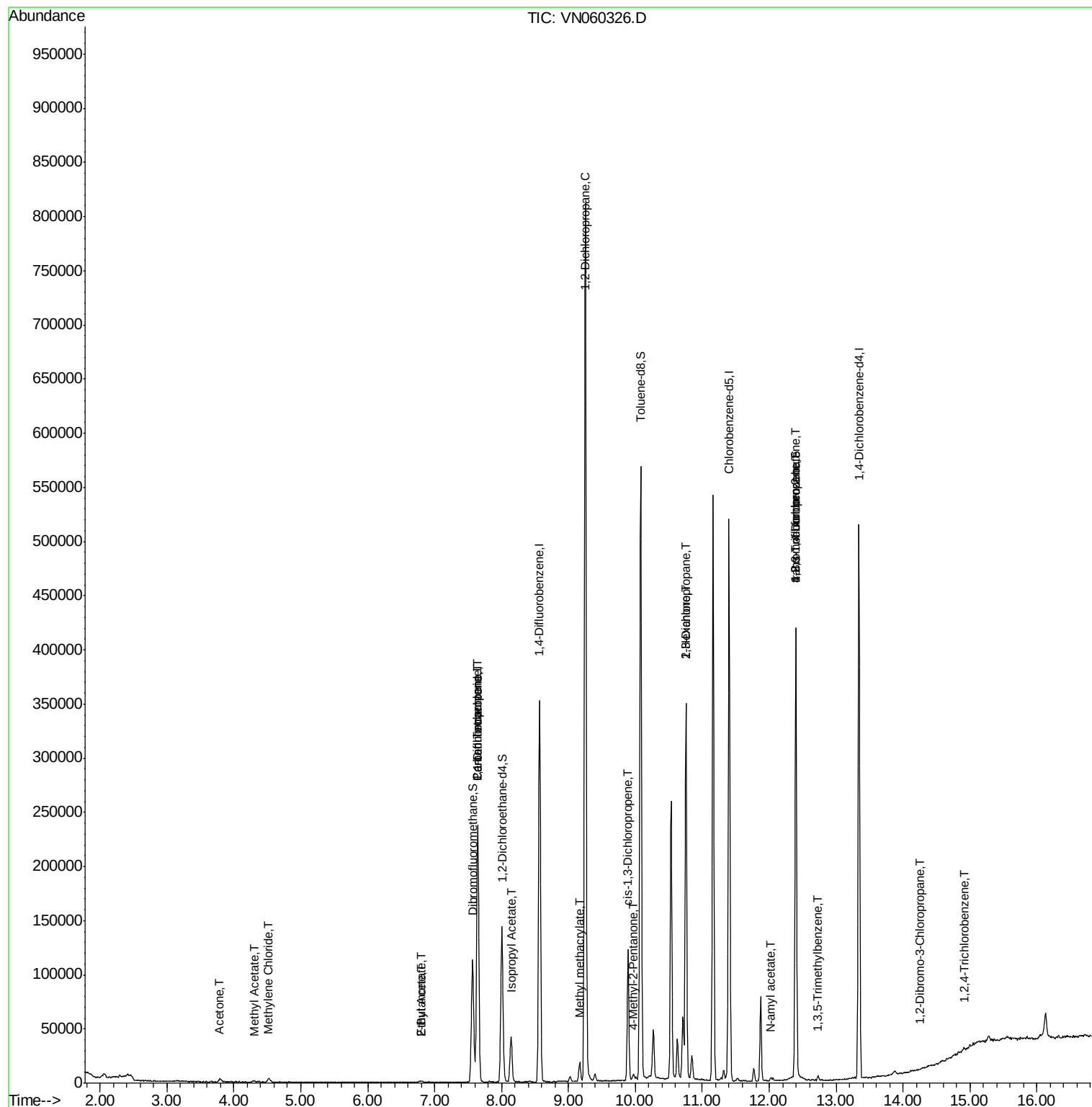
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5414	6.764	ug/l	100
17) Carbon Disulfide	4.04	76	439	Below Cal	#	75
18) Methyl Acetate	4.30	43	1353	0.506	ug/l #	56
20) Methylene Chloride	4.52	84	1690	0.769	ug/l	96
25) 2-Butanone	6.81	43	716	0.554	ug/l #	49
31) Cyclohexane	7.64	56	3985	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15339	5.178	ug/l #	49
37) Ethyl Acetate	6.81	43	716	0.255	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18915	6.559	ug/l #	16
43) Isopropyl Acetate	8.14	43	50026	10.188	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	876	0.389	ug/l #	44
48) Methyl methacrylate	9.17	41	2531	1.130	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4033	1.449	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	21534	5.701	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3714	1.046	ug/l #	42
59) 2-Hexanone	10.75	43	52380	25.625	ug/l #	53
74) N-amyl acetate	12.02	43	3340	0.769	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74831	25.425	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2604	0.311	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	74831	70.185	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	336	Below Cal	#	61
88) 1,4-Dichlorobenzene	13.36	146	426	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	396	0.647	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	455	0.256	ug/l	84
95) Naphthalene	15.13	128	1382	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	277	Below Cal		94

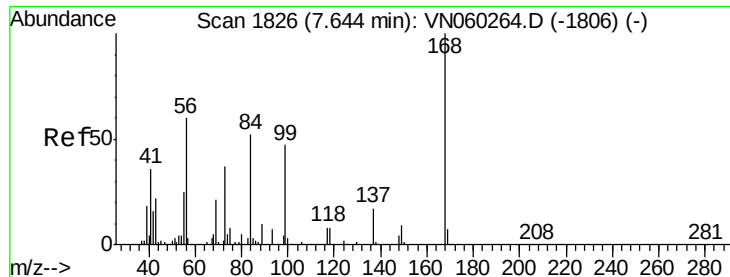
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030320\
Data File : VN060326.D
Acq On : 3 Mar 2020 13:56
Operator : JC/MD
Sample : PB127227ZHE#12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 04 01:13:59 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: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

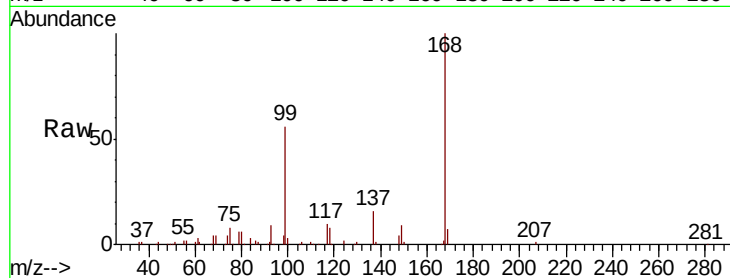
ClientSampled :

Tot Ion:168 Resp: 193198

Ion Ratio Lower Upper

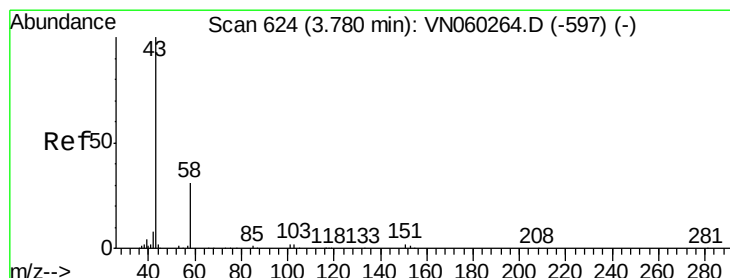
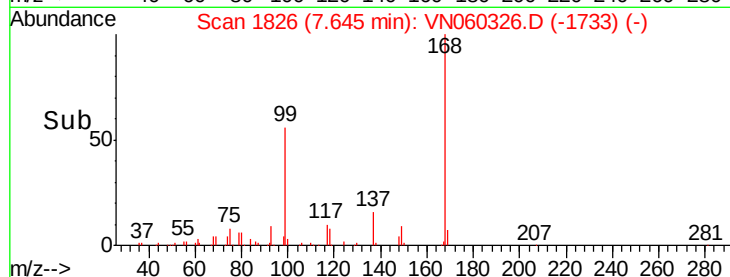
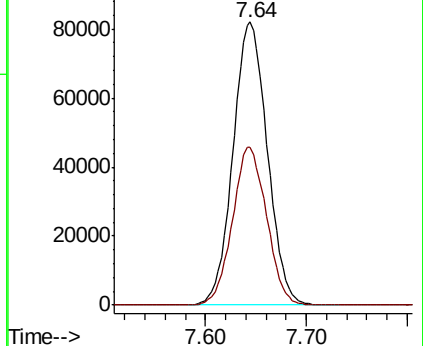
168 100

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): VN



#16

Acetone

Concen: 6.764 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060326.D

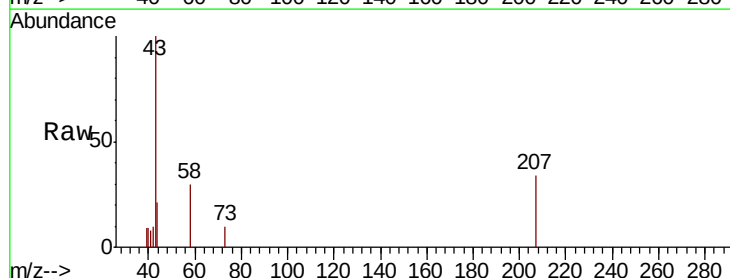
Acq: 3 Mar 2020 13:56

Tgt Ion: 43 Resp: 5414

Ion Ratio Lower Upper

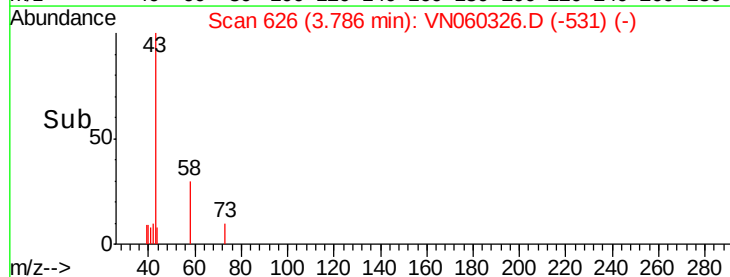
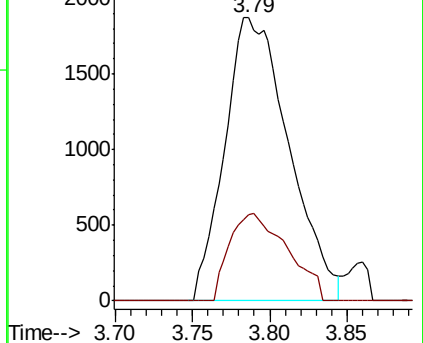
43 100

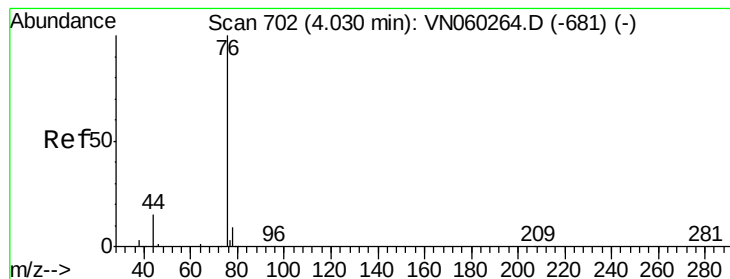
58 30.5 24.6 36.8



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: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

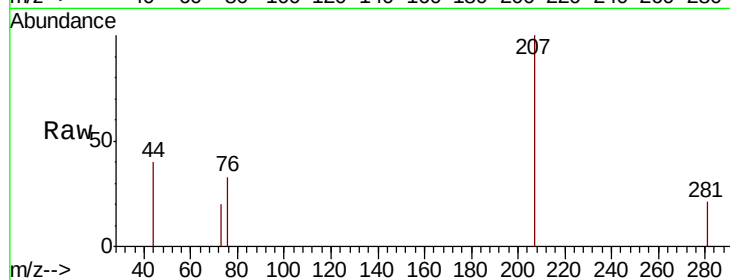
ClientSampled :

Tot Ion: 76 Resp: 439

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250

200

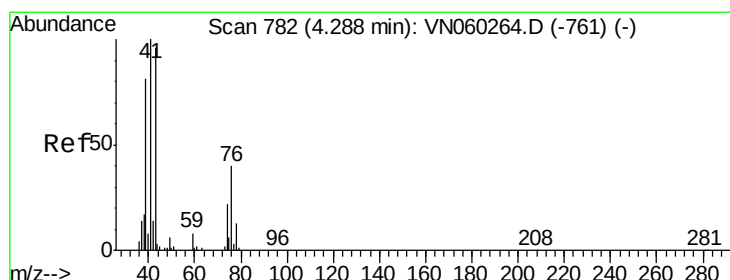
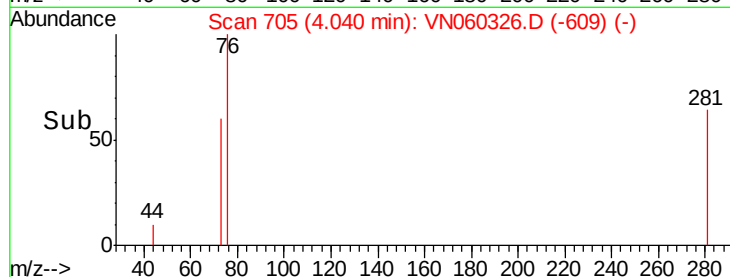
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.506 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060326.D

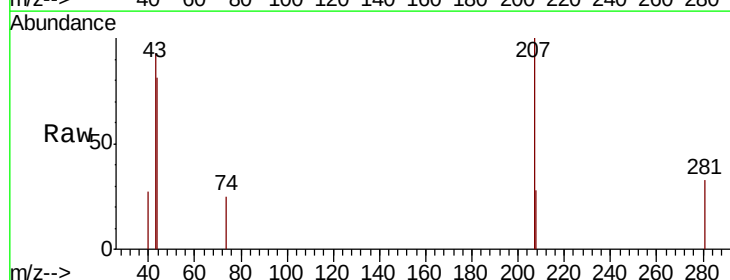
Acq: 3 Mar 2020 13:56

Tgt Ion: 43 Resp: 1353

Ion Ratio Lower Upper

43 100

74 2.1 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

600

500

400

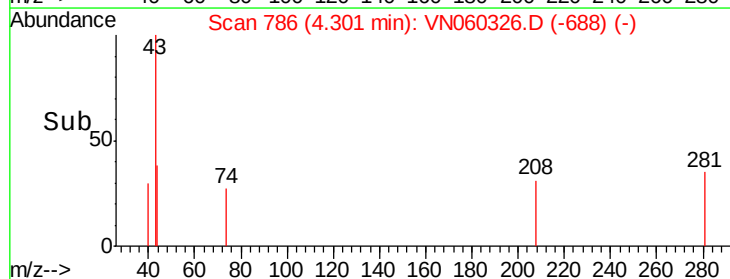
300

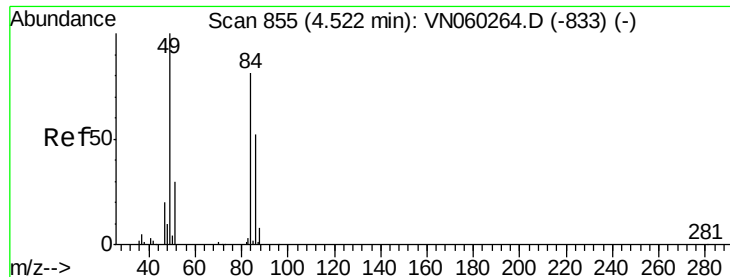
200

100

0

Time-->

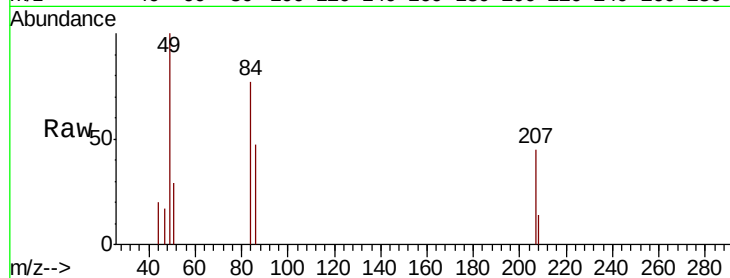




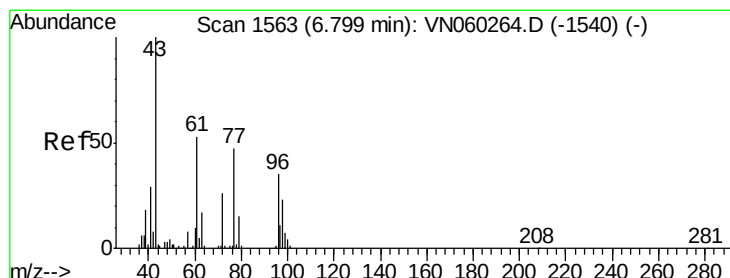
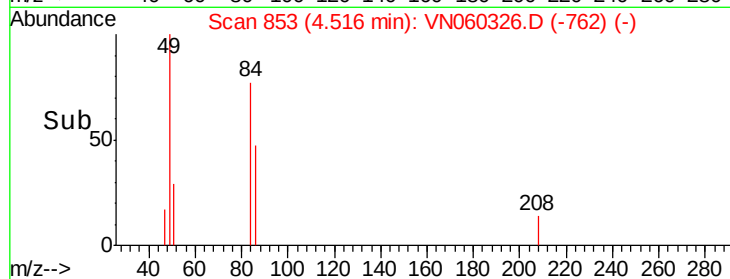
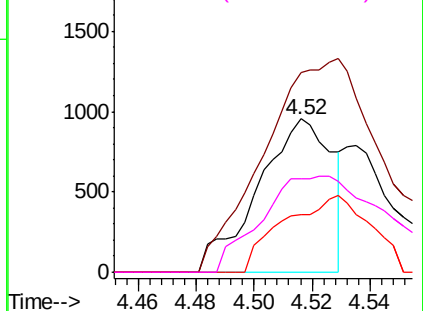
#20
Methylene Chloride
Concen: 0.769 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 1690
Ion Ratio Lower Upper
84 100
49 130.2 99.3 148.9
51 37.8 30.1 45.1
86 61.2 51.1 76.7

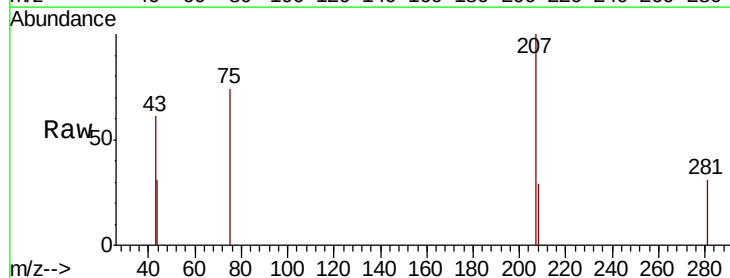


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

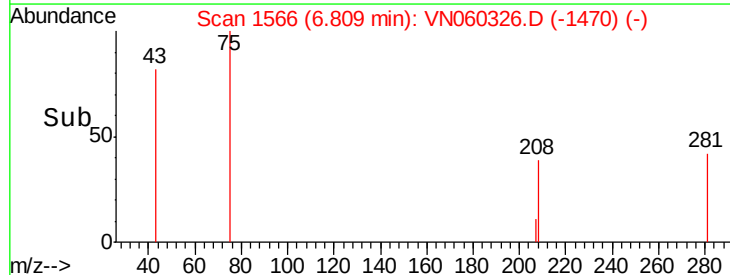
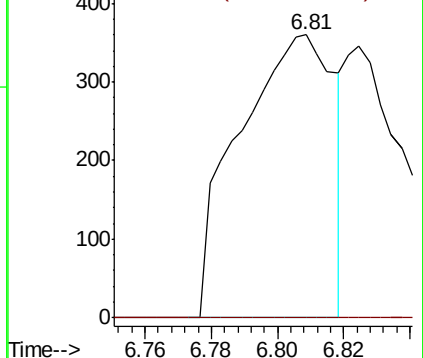


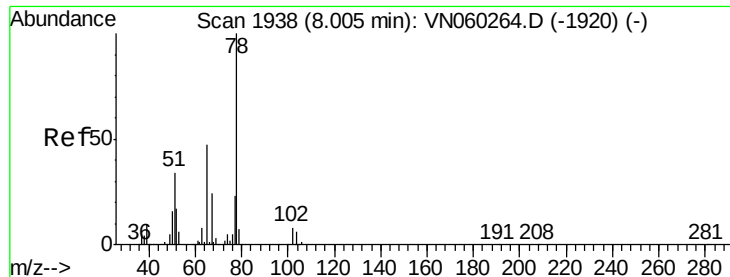
#25
2-Butanone
Concen: 0.554 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Tgt Ion: 43 Resp: 716
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

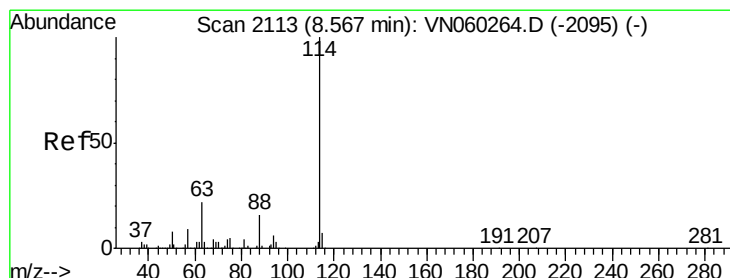
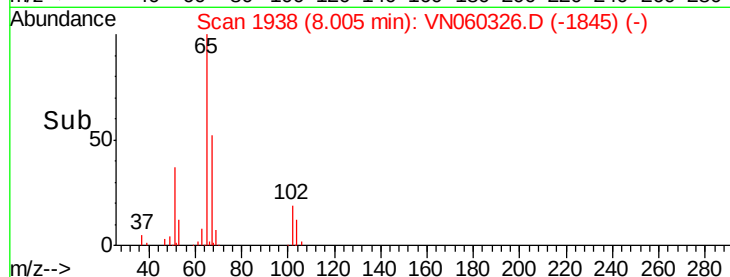
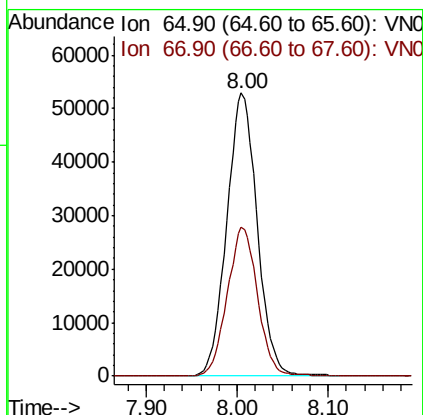
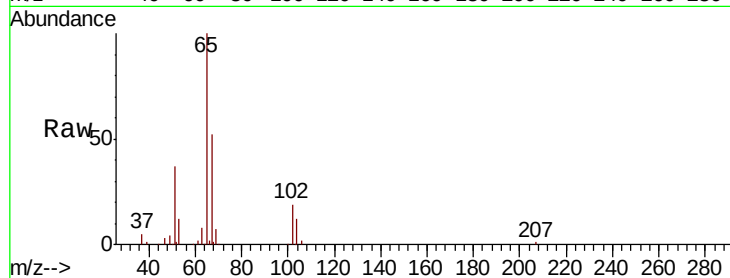




#33
 1,2-Dichloroethane-d4
 Concen: 49.604 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

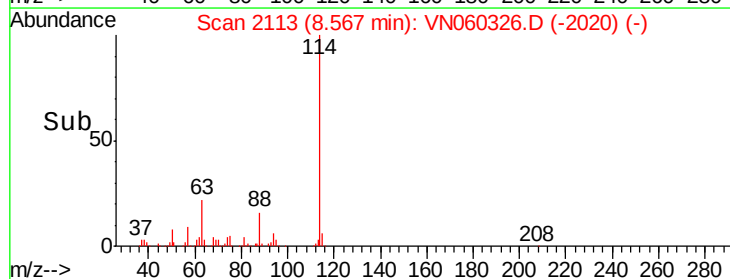
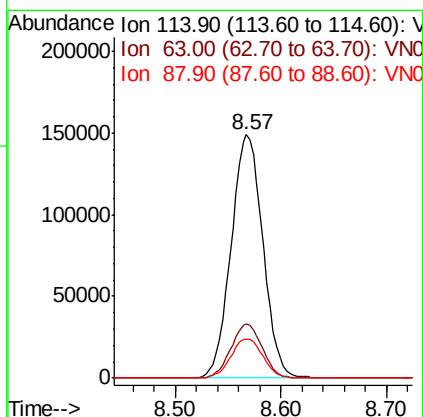
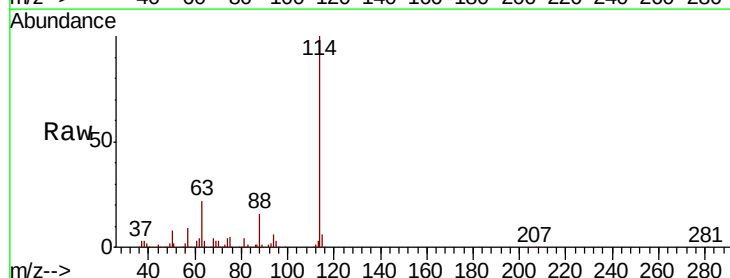
Instrument :
 MSVOA_N
 ClientSampled :

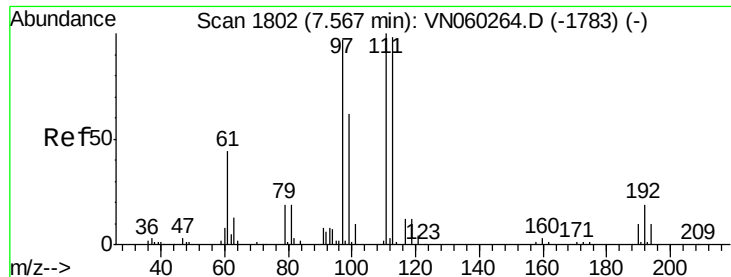
Tot Ion: 65 Resp: 122956
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Tgt Ion: 114 Resp: 310807
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.1 0.0 31.6

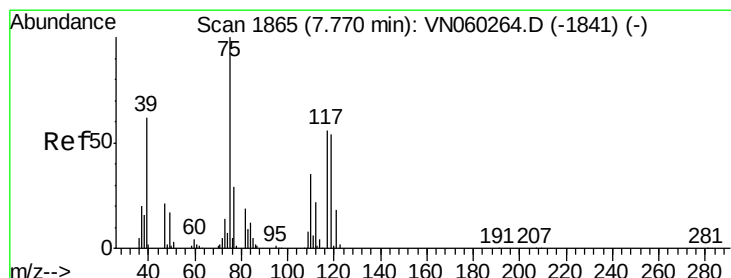
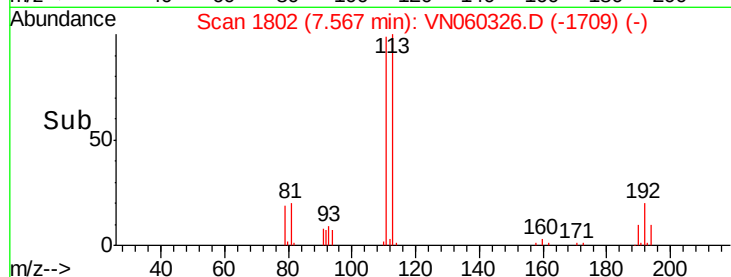
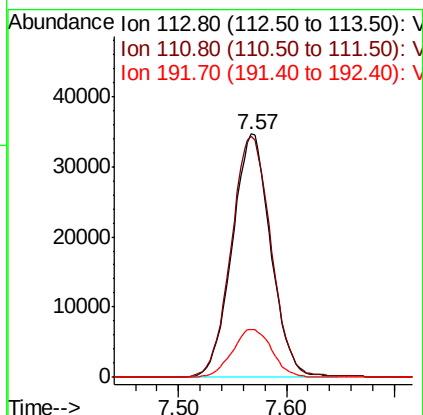
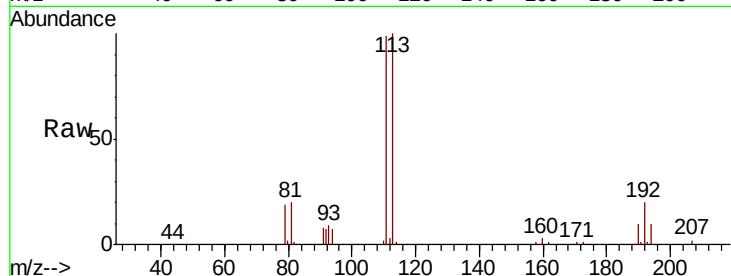




#35
 Dibromofluoromethane
 Concen: 59.735 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

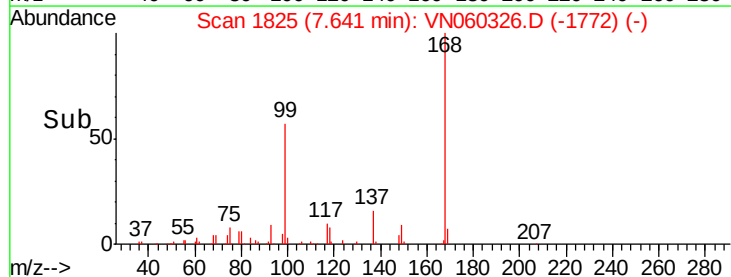
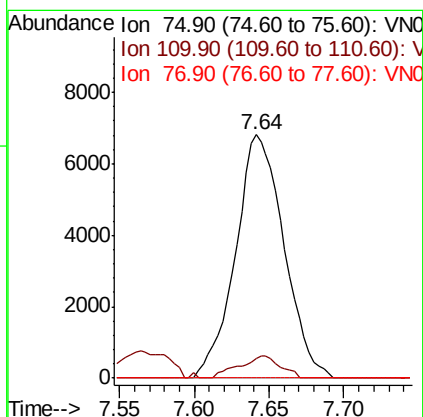
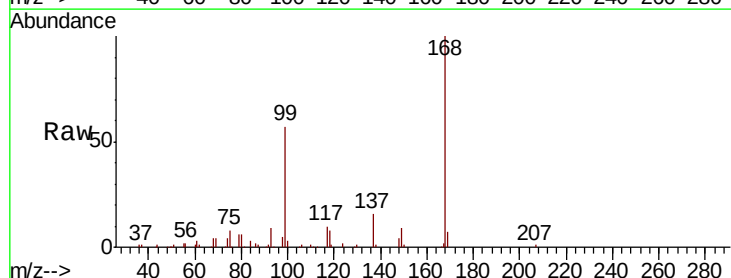
Instrument :
 MSVOA_N
 ClientSampleId :

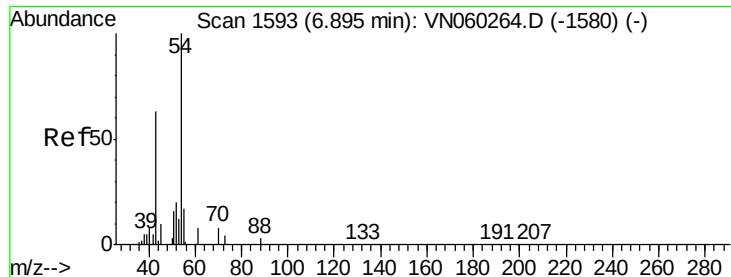
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.178 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.3	52.0#
77	0.0	24.2	36.2#

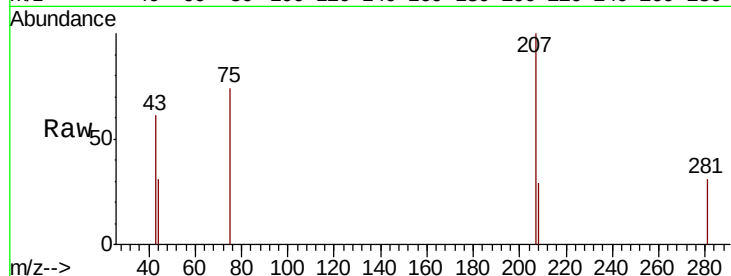




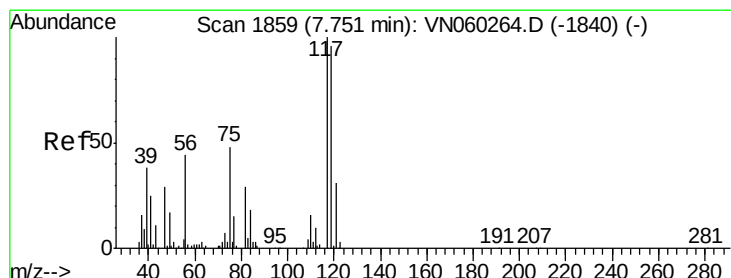
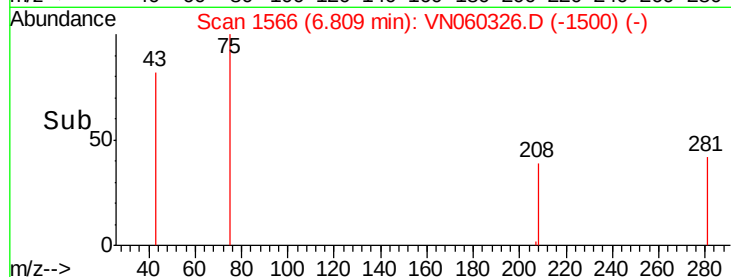
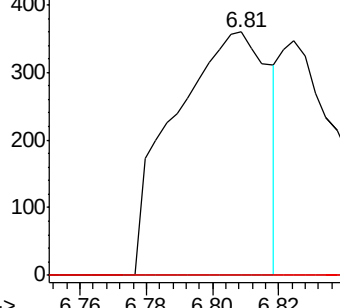
#37
Ethyl Acetate
Concen: 0.255 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

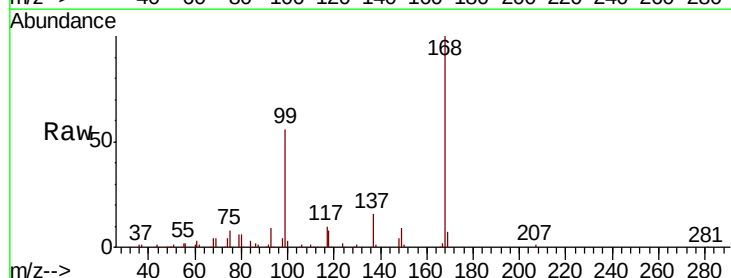


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

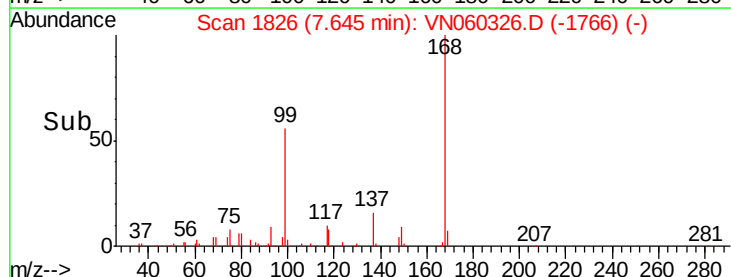
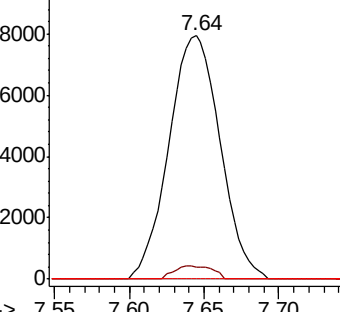


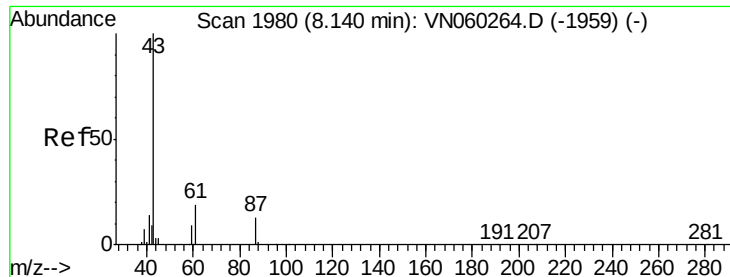
#38
Carbon Tetrachloride
Concen: 6.559 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Tgt Ion: 117 Resp: 18915
Ion Ratio Lower Upper
117 100
119 5.1 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: 10.188 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

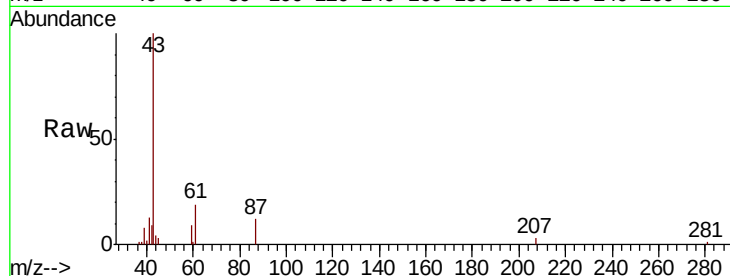
Tot Ion: 43 Resp: 50026

Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

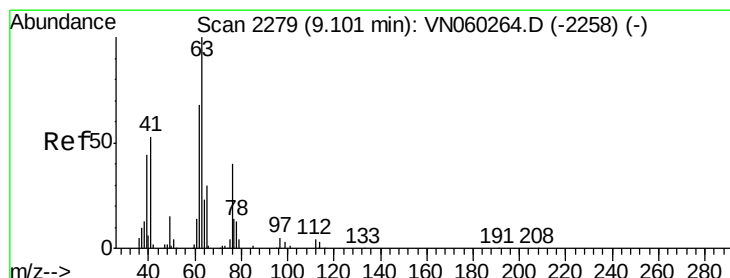
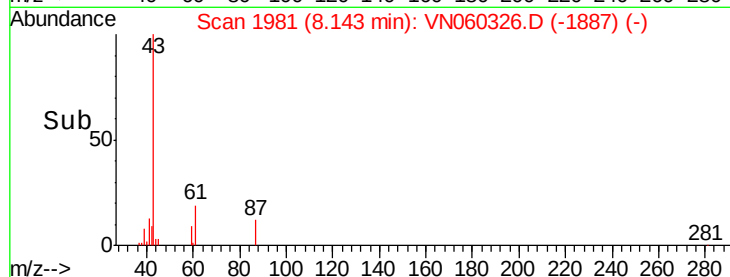
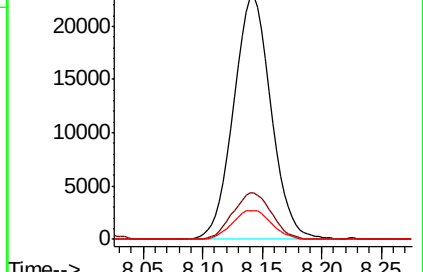
87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060326.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060326.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060326.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.389 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060326.D

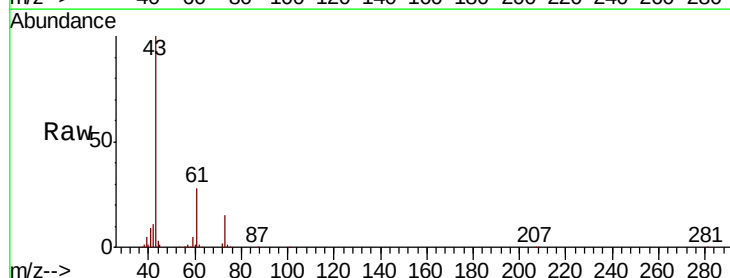
Acq: 3 Mar 2020 13:56

Tgt Ion: 63 Resp: 876

Ion Ratio Lower Upper

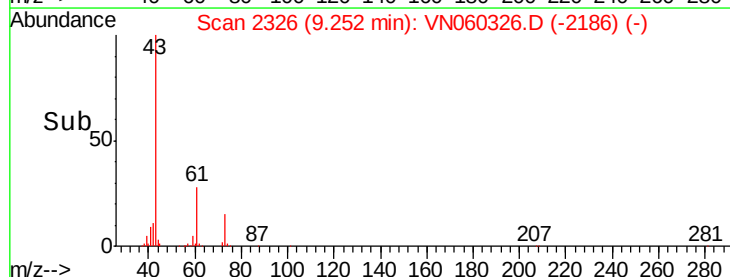
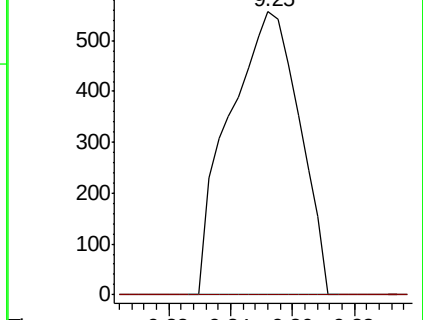
63 100

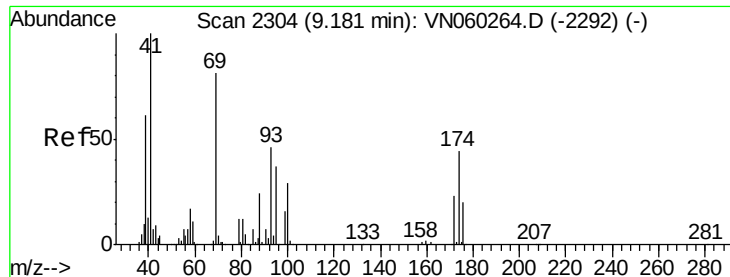
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060326.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060326.D (-2258) (-)

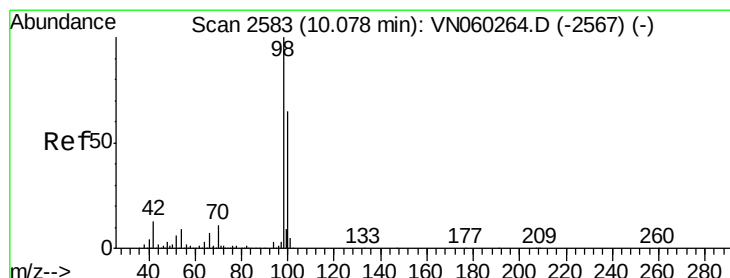
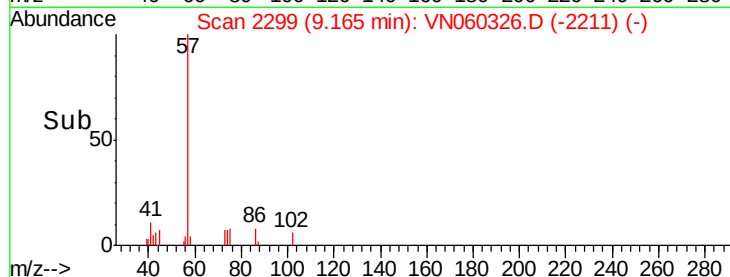
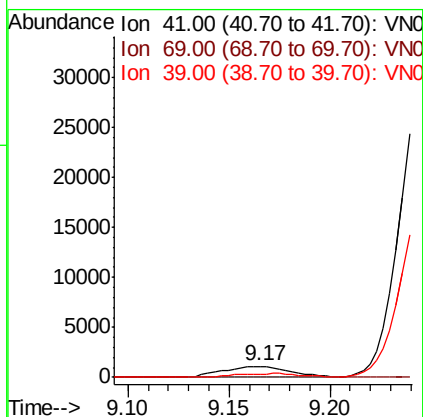
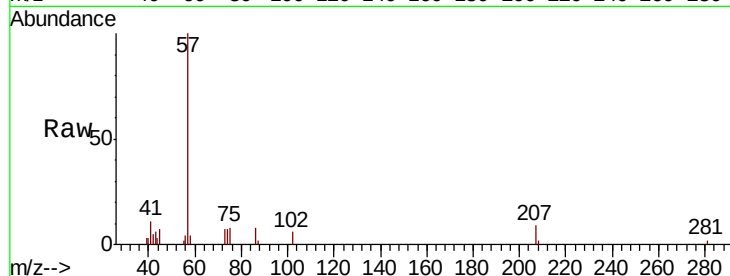




#48
Methvl methacrylate
Concen: 1.130 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

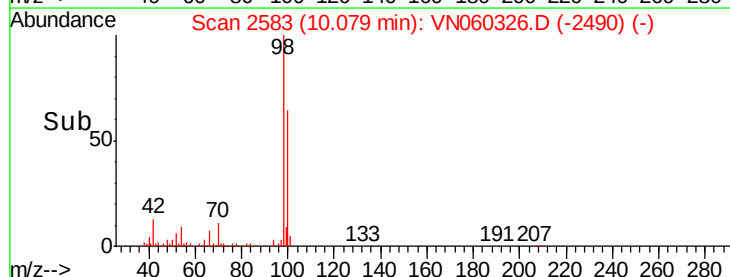
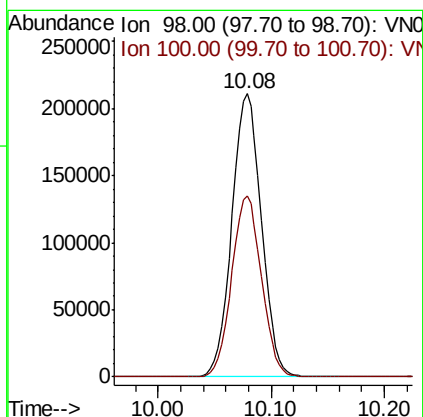
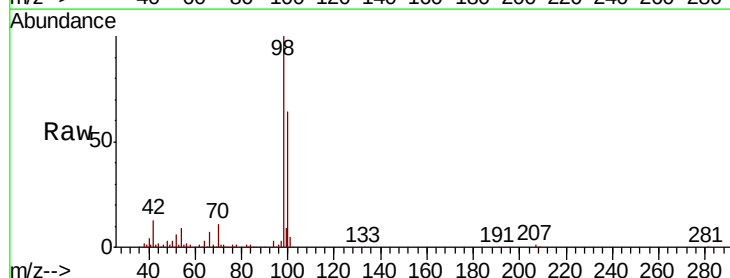
Instrument :
MSVOA_N
ClientSampleId :

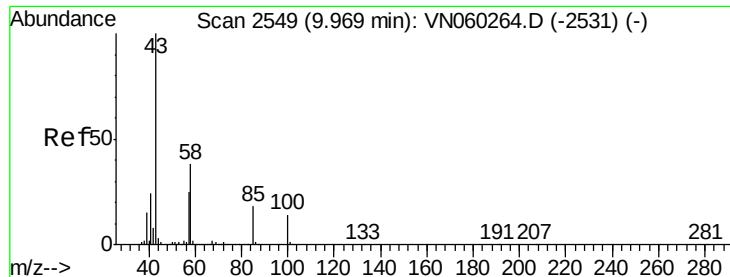
Tot Ion: 41 Resp: 2531
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.662 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Tgt Ion: 98 Resp: 384510
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

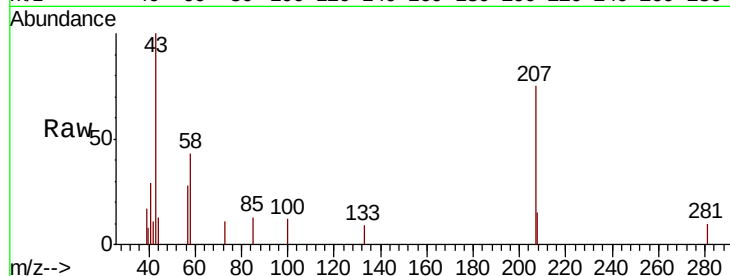




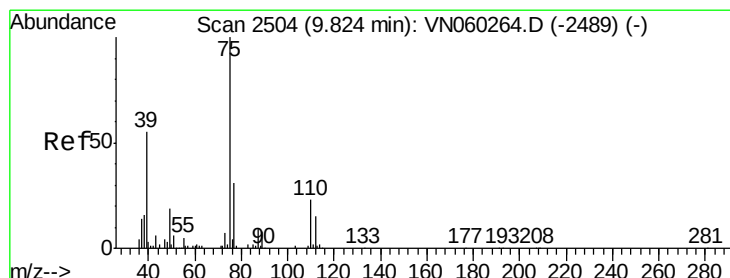
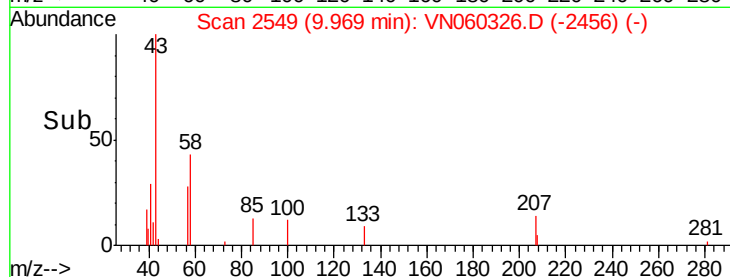
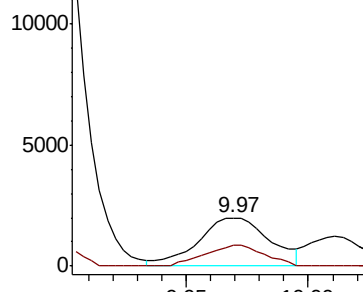
#51
 4-Methyl-2-Pentanone
 Concen: 1.449 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 4033
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.9 46.3

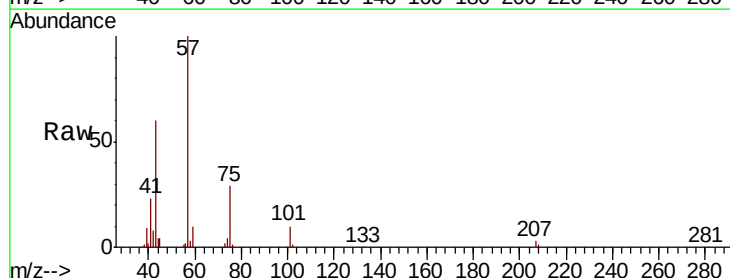


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

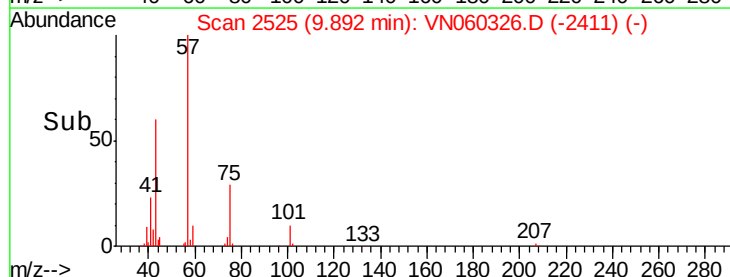
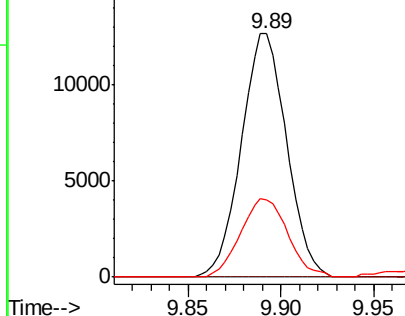


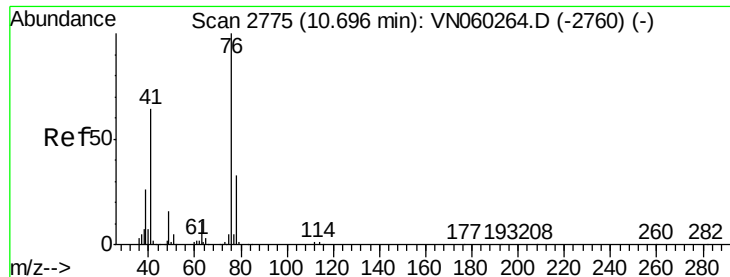
#54
 cis-1,3-Dichloropropene
 Concen: 5.701 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Tgt Ion: 75 Resp: 21534
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.0 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.046 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

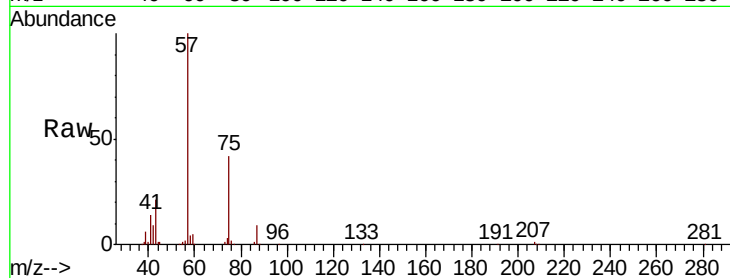
ClientSampled :

Tot Ion: 76 Resp: 3714

Ion Ratio Lower Upper

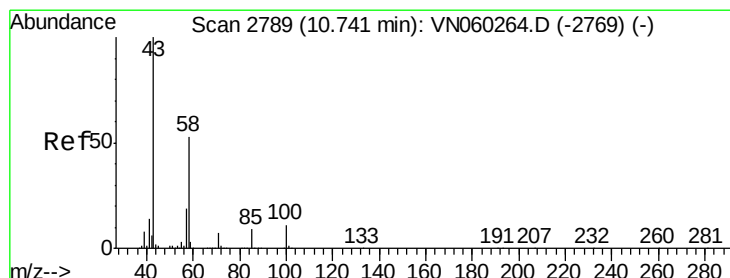
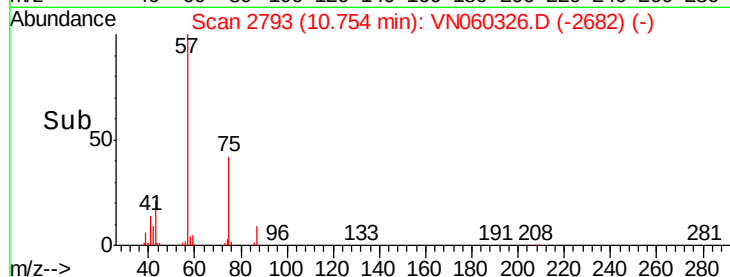
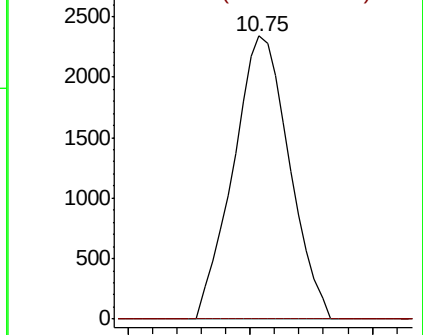
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.625 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060326.D

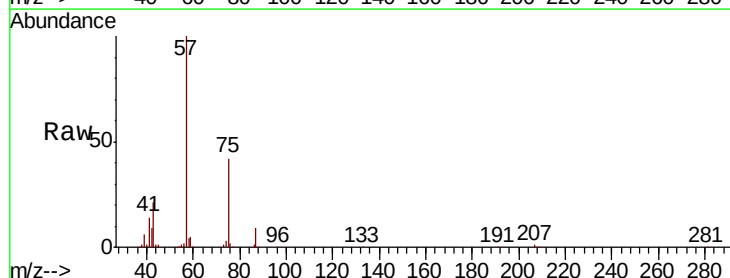
Acq: 3 Mar 2020 13:56

Tgt Ion: 43 Resp: 52380

Ion Ratio Lower Upper

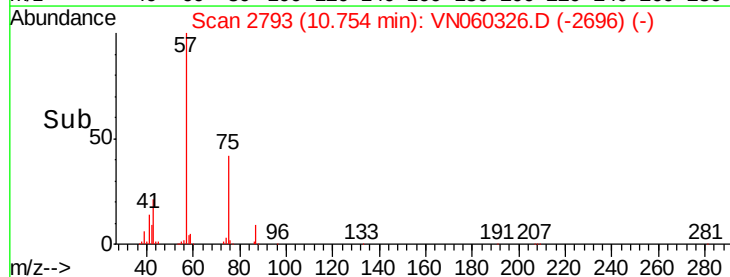
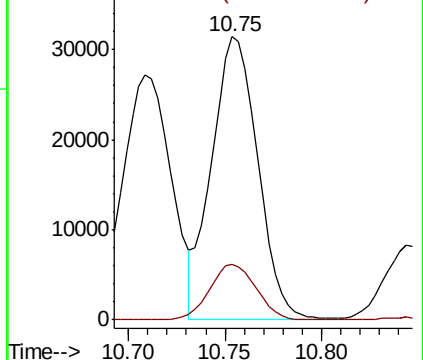
43 100

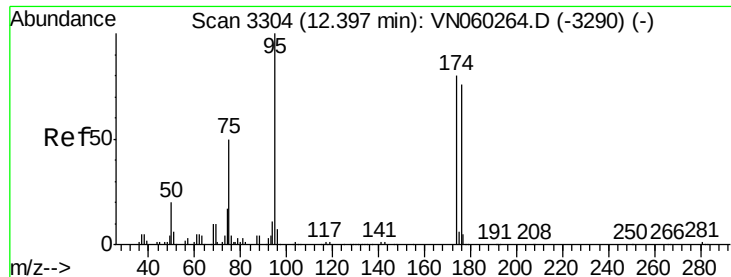
58 19.5 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

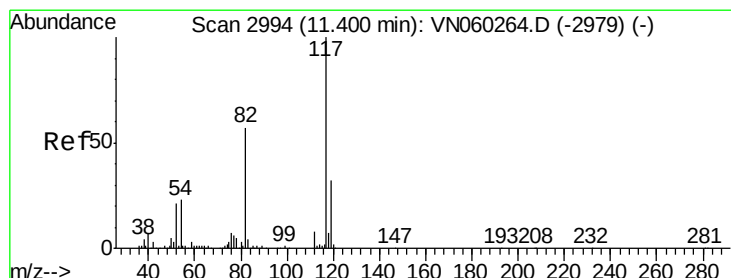
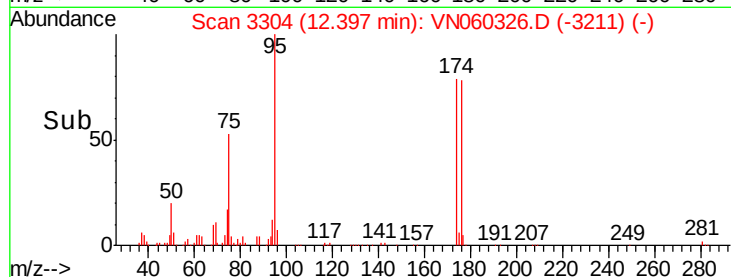
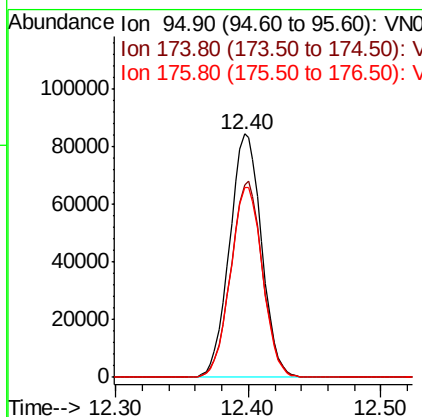
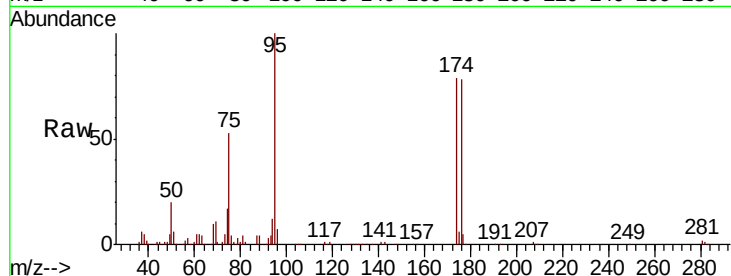




#62
4-Bromofluorobenzene
Concen: 50.997 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

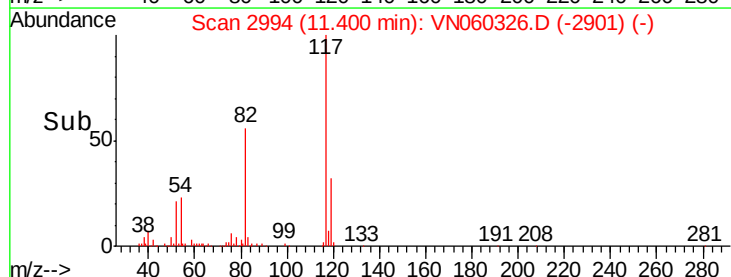
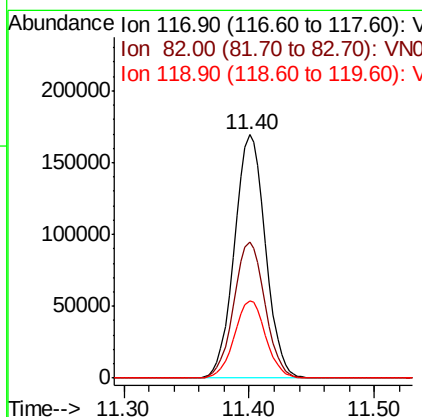
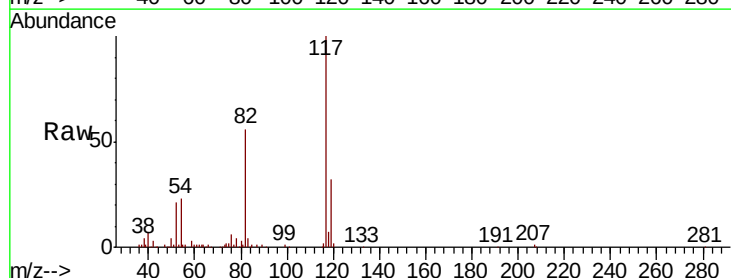
Instrument :
MSVOA_N
ClientSampled :

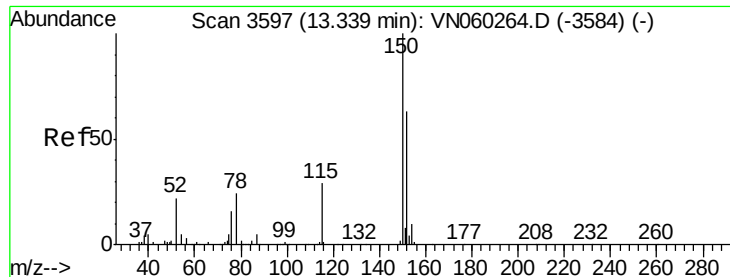
Tot Ion: 95 Resp: 141151
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.2
176 78.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060326.D
Acq: 3 Mar 2020 13:56

Tgt Ion: 117 Resp: 291258
Ion Ratio Lower Upper
117 100
82 56.0 45.8 68.6
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

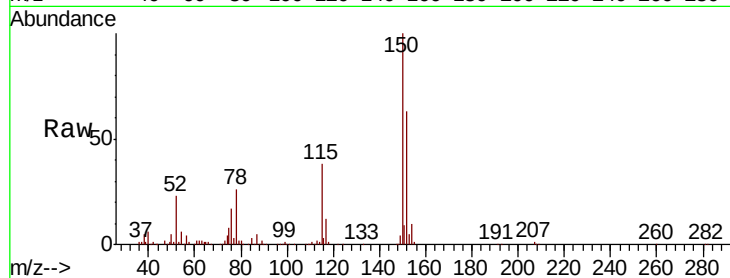
Tot Ion:152 Resp: 134148

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

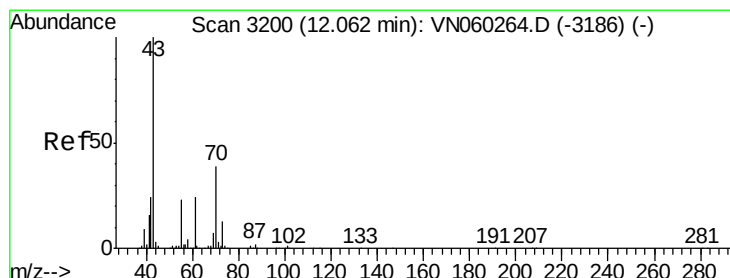
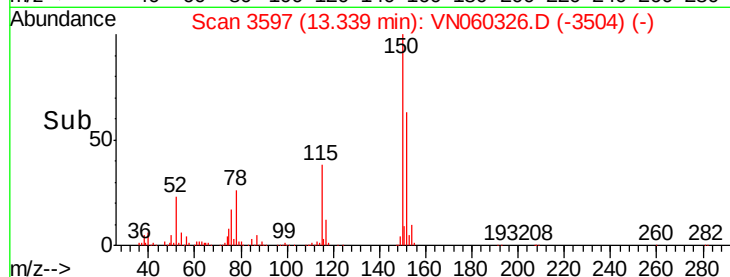
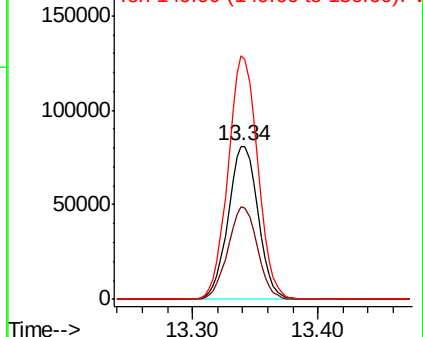
150 157.4 0.0 349.6



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: 0.769 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Tgt Ion: 43 Resp: 3340

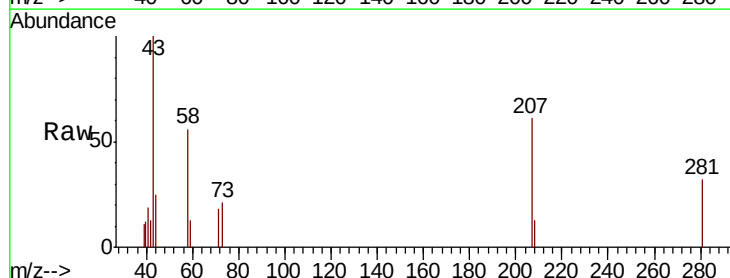
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

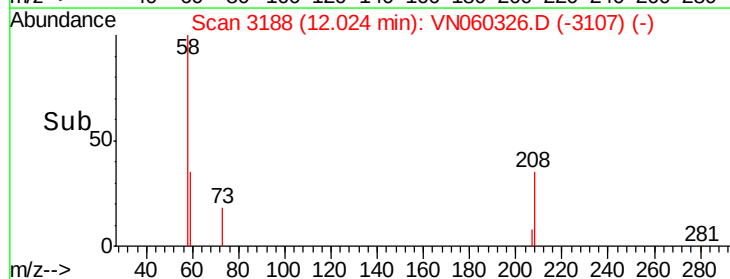
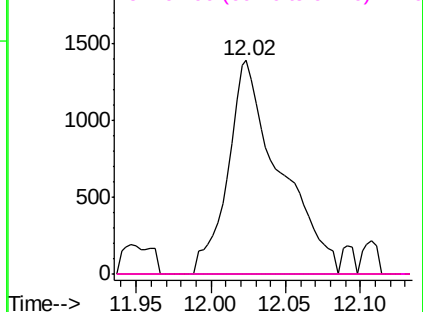


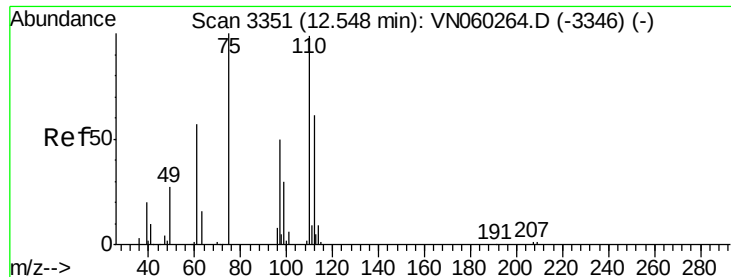
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.425 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

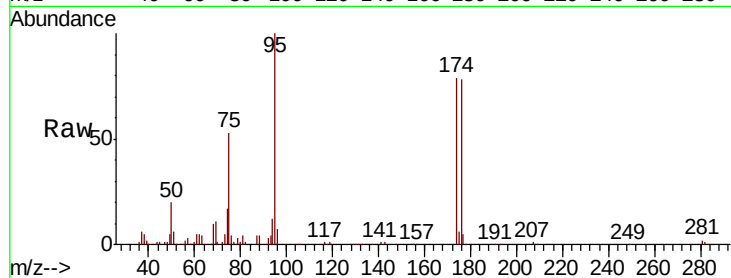
ClientSampled :

Tot Ion: 75 Resp: 74831

Ion Ratio Lower Upper

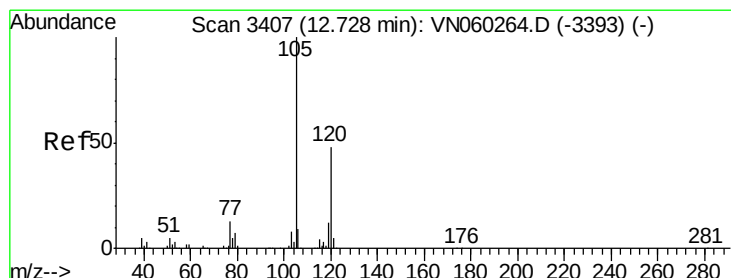
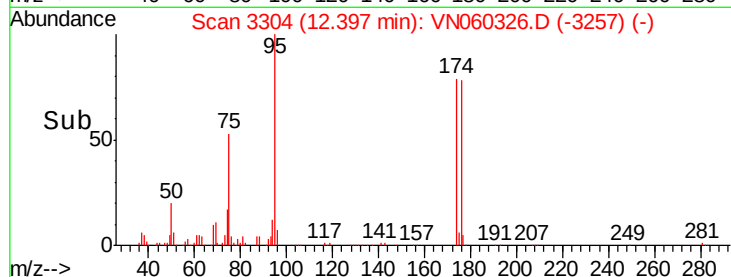
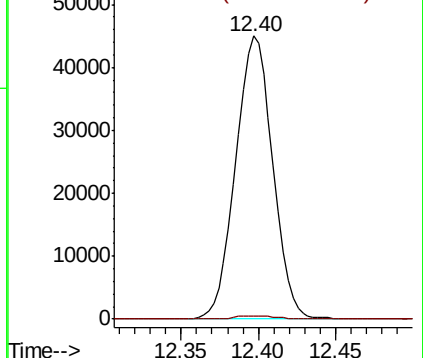
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.311 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060326.D

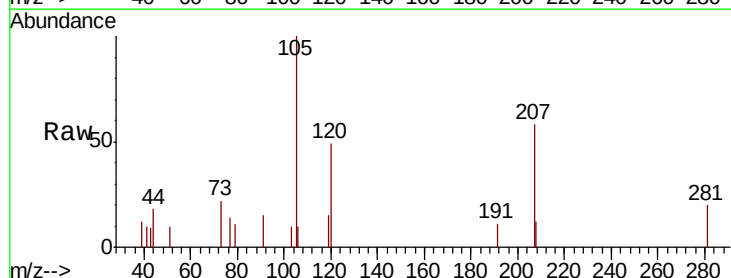
Acq: 3 Mar 2020 13:56

Tgt Ion: 105 Resp: 2604

Ion Ratio Lower Upper

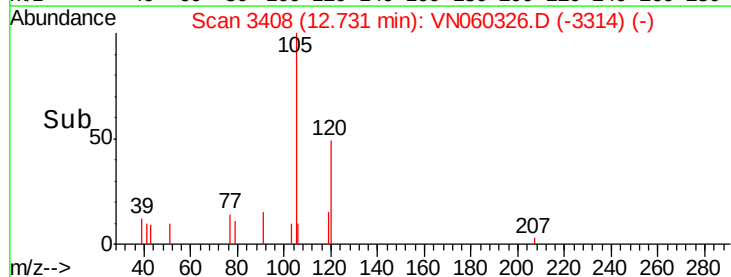
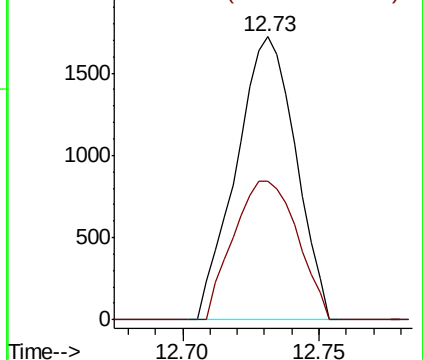
105 100

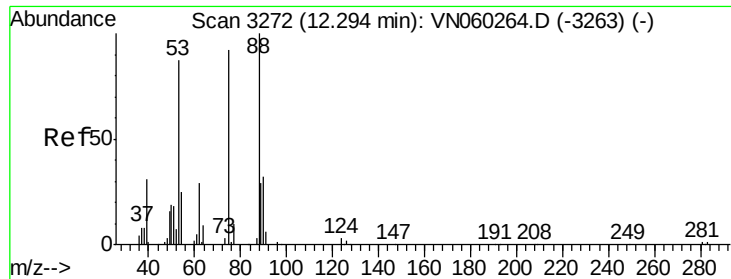
120 52.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.185 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampled :

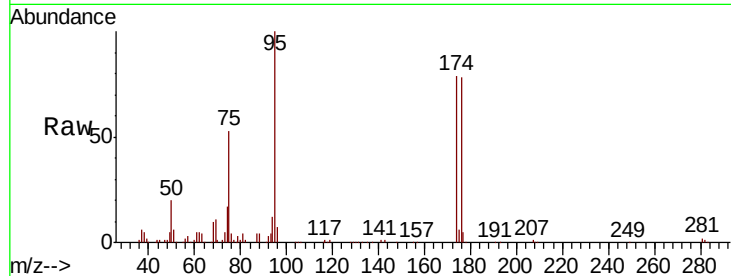
Tot Ion: 75 Resp: 74831

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

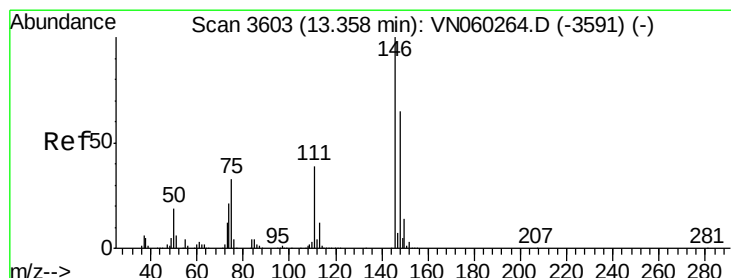
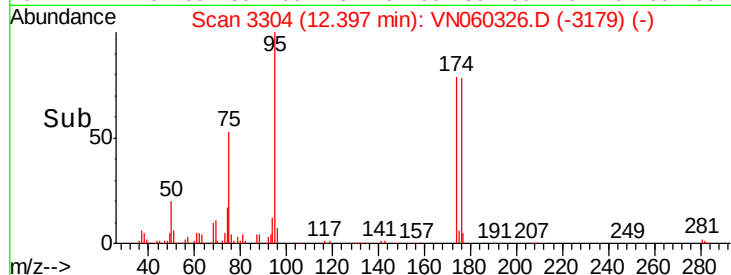
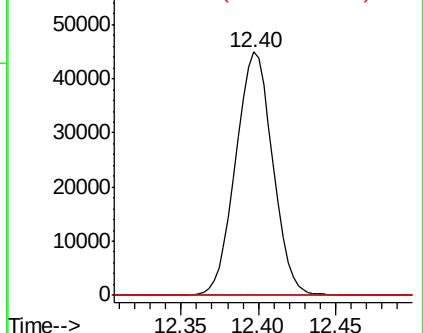
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060326.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060326.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060326.D (-3179) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060326.D

Acq: 3 Mar 2020 13:56

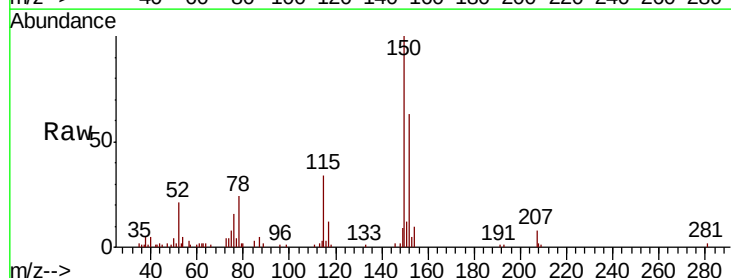
Tgt Ion: 146 Resp: 426

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

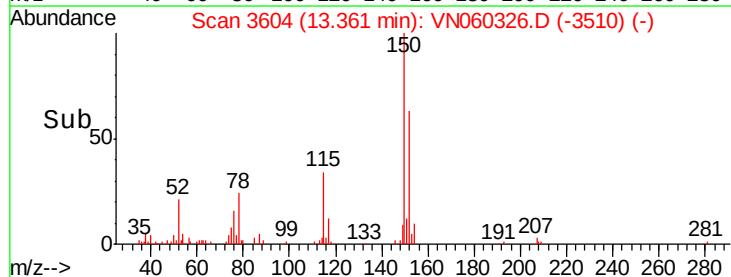
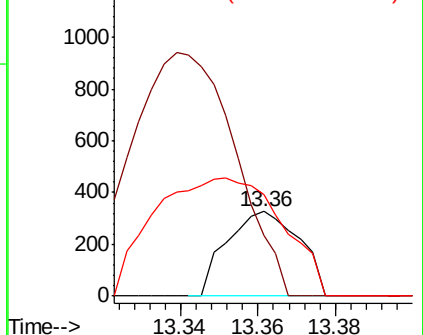
148 245.3 32.3 96.9#

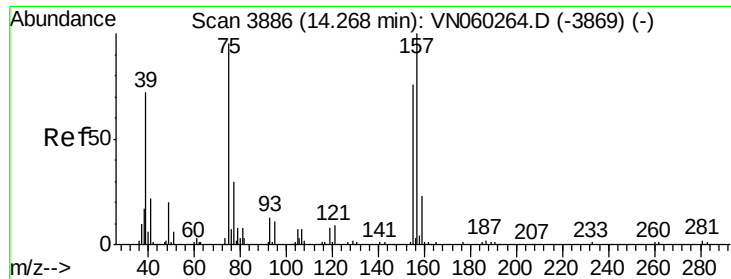


Abundance Ion 145.90 (145.60 to 146.60): VN060326.D (-3510) (-)

Ion 110.90 (110.60 to 111.60): VN060326.D (-3510) (-)

Ion 147.90 (147.60 to 148.60): VN060326.D (-3510) (-)

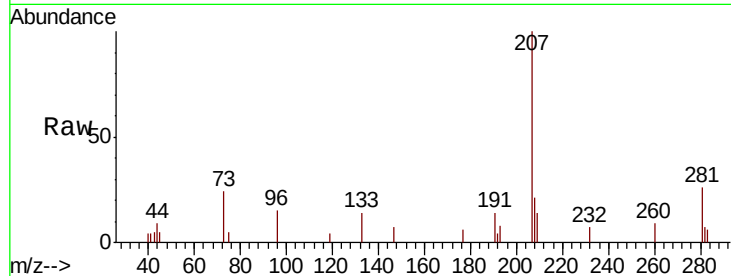




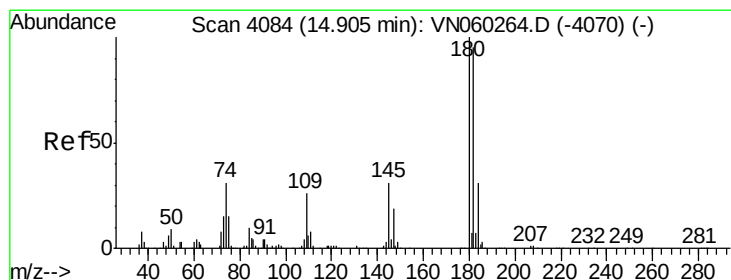
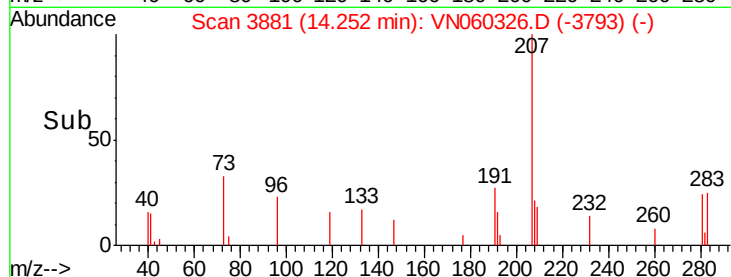
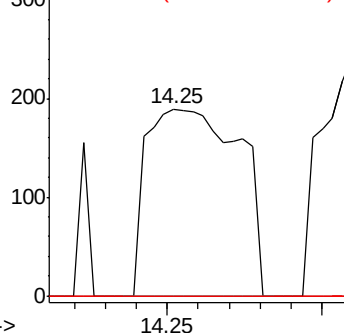
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.647 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 396
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#

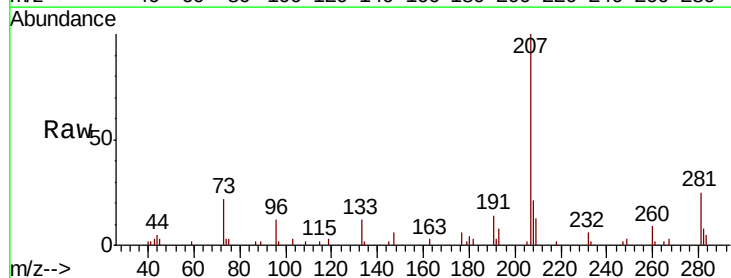


Abundance Ion 74.90 (74.60 to 75.60): VN060326.D (-3869) (-)
 Ion 154.80 (154.50 to 155.50): VN060326.D (-3869) (-)
 Ion 156.80 (156.50 to 157.50): VN060326.D (-3869) (-)



#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060326.D
 Acq: 3 Mar 2020 13:56

Tgt Ion: 180 Resp: 455
 Ion Ratio Lower Upper
 180 100
 182 80.4 47.8 143.3
 145 20.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): VN060326.D (-4070) (-)
 Ion 181.80 (181.50 to 182.50): VN060326.D (-4070) (-)
 Ion 144.80 (144.50 to 145.50): VN060326.D (-4070) (-)

