

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060647.D
 Acq On : 20 Mar 2020 12:52
 Operator : JC/MD
 Sample : VN0320WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:22:47 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	171066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	278072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	247574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	96959	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	108355	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	7.56	113	83875	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.08	98	340016	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.40	95	115362	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

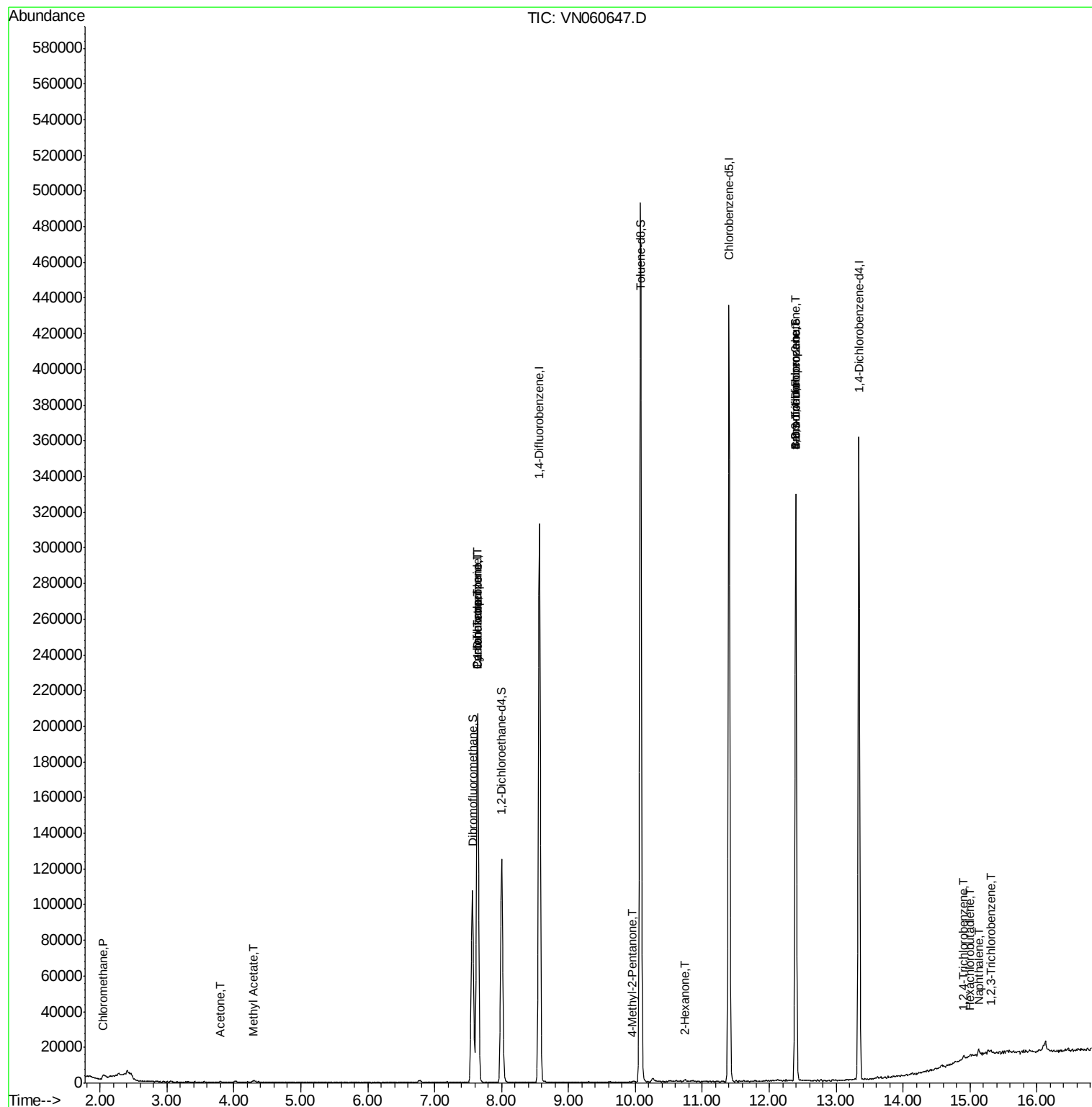
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1072	0.347	ug/l	92
16) Acetone	3.79	43	245	0.295	ug/l #	43
18) Methyl Acetate	4.30	43	1572	0.671	ug/l #	54
31) Cyclohexane	7.64	56	3621	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13507	5.016	ug/l #	45
38) Carbon Tetrachloride	7.64	117	16315	6.761	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	648	0.237	ug/l #	37
59) 2-Hexanone	10.74	43	1323	0.673	ug/l #	36
71) Bromoform	12.39	173	222	1.826	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	58033	27.738	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58033	71.240	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	709	0.390	ug/l	91
94) Hexachlorobutadiene	15.00	225	358	0.402	ug/l #	74
95) Naphthalene	15.13	128	3375	0.618	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	910	0.509	ug/l	93

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

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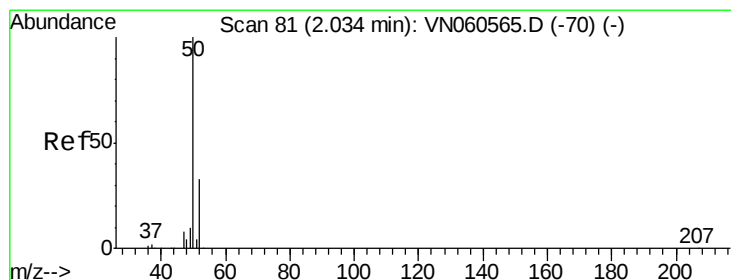
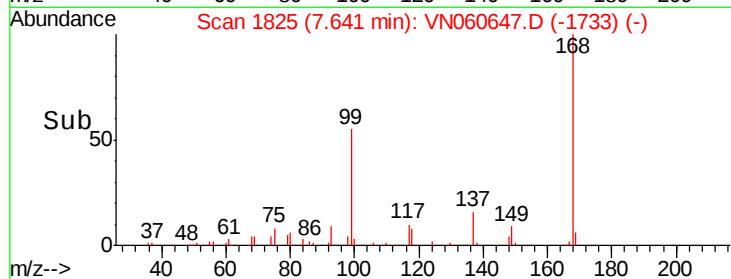
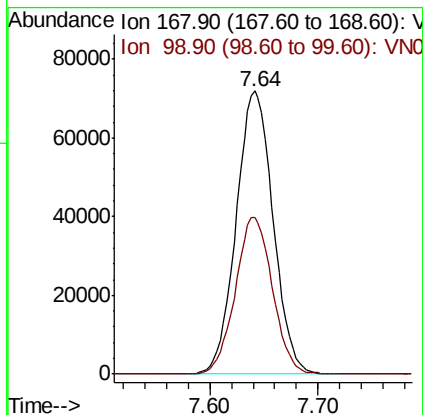
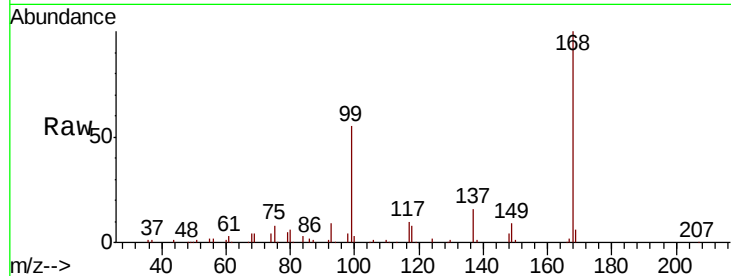




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

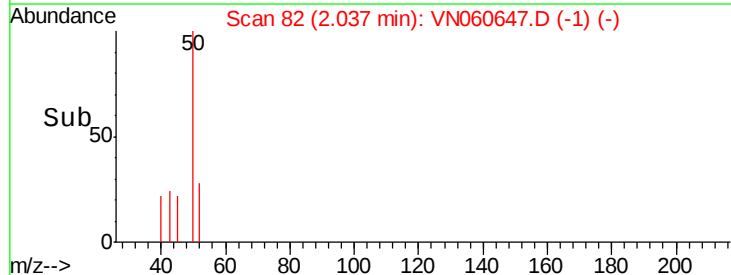
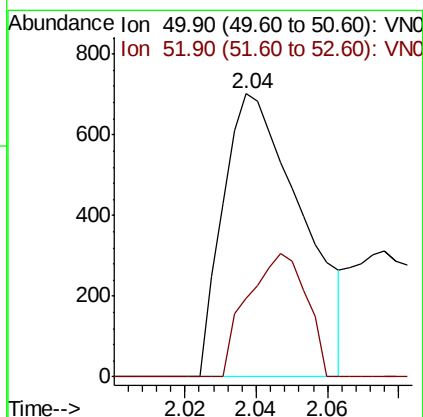
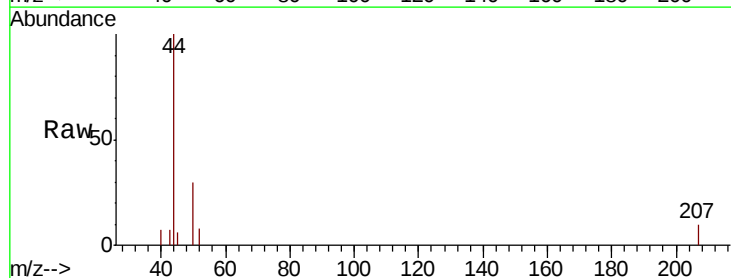
Instrument :
MSVOA_N
ClientSampled :

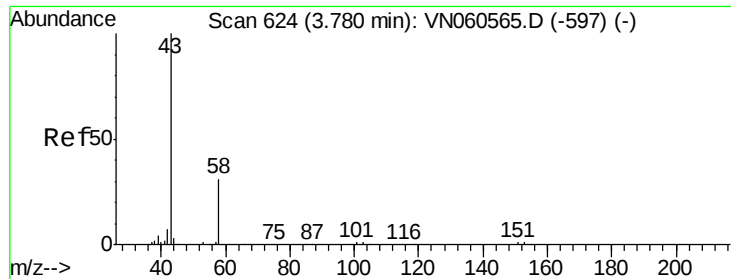
Tot Ion:168 Resp: 171066
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#3
Chloromethane
Concen: 0.347 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Tgt Ion: 50 Resp: 1072
Ion Ratio Lower Upper
50 100
52 27.9 26.2 39.2





#16

Acetone

Concen: 0.295 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060647.D

Acq: 20 Mar 2020 12:52

Instrument :

MSVOA_N

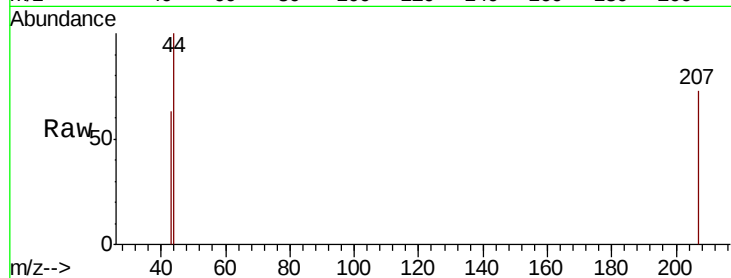
ClientSampleId :

Tot Ion: 43 Resp: 245

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

250

200

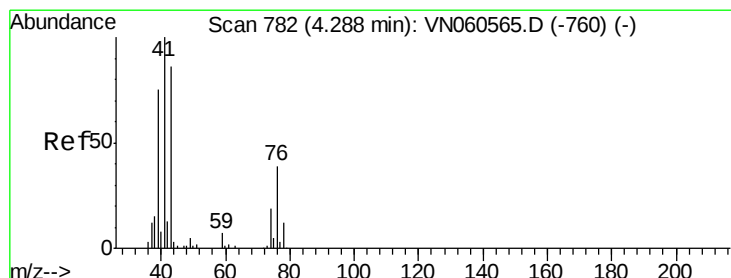
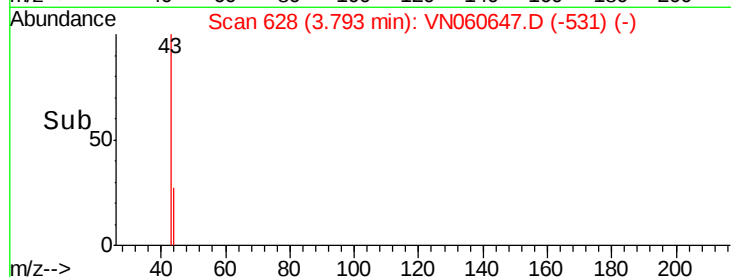
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.671 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060647.D

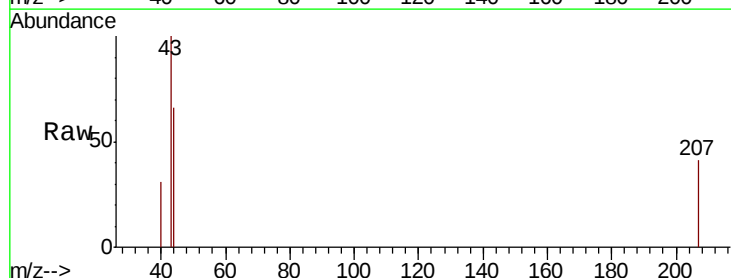
Acq: 20 Mar 2020 12:52

Tgt Ion: 43 Resp: 1572

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

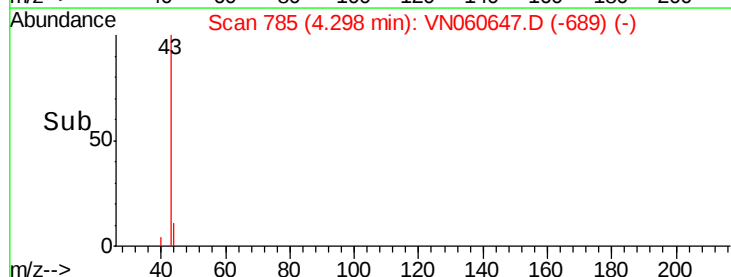
600

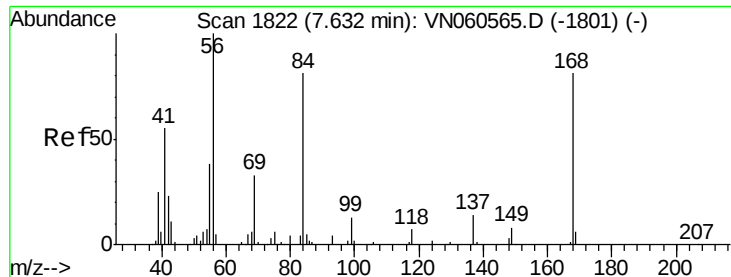
400

200

0

Time-->

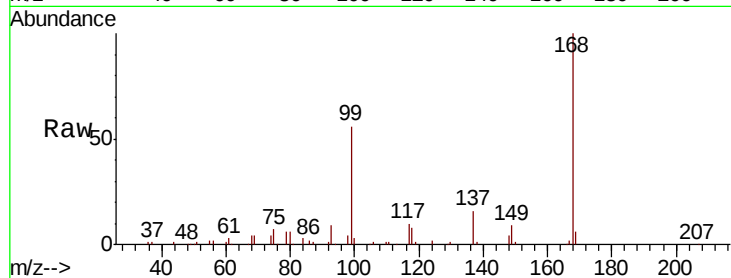




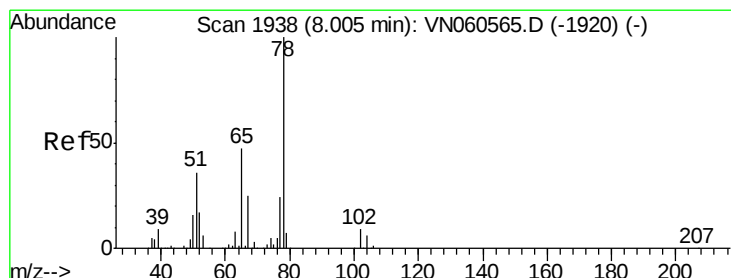
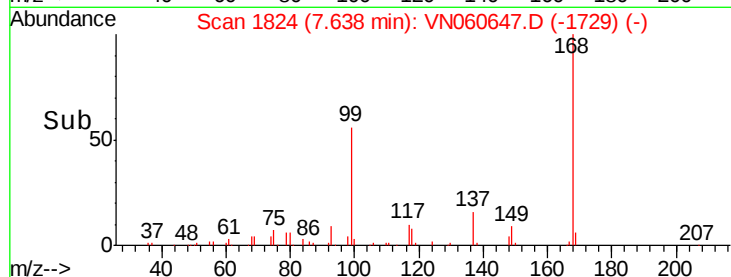
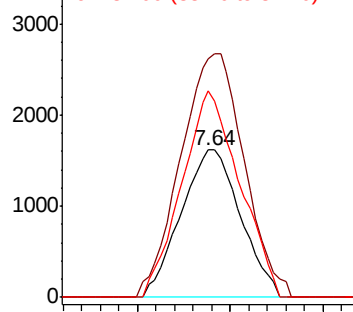
#31
Cyclohexane
Concen: 0.957 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 161.8 26.6 40.0#
84 140.4 64.3 96.5#

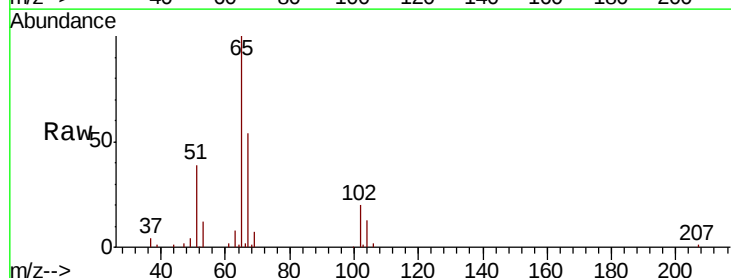


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

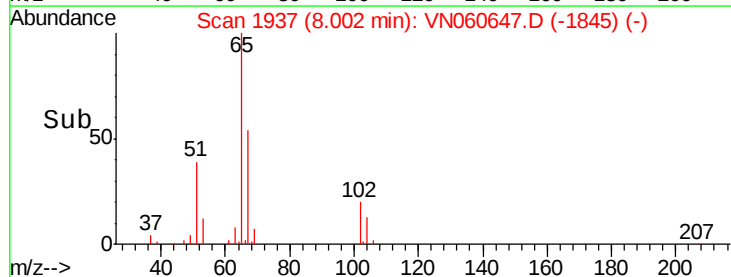
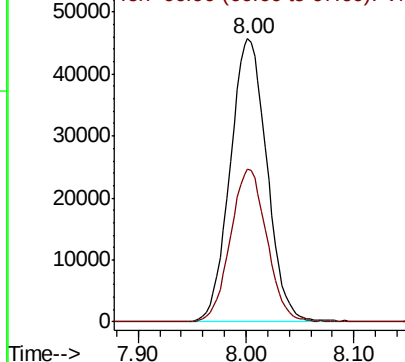


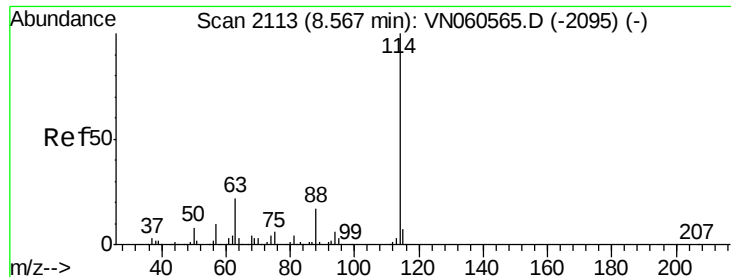
#33
1,2-Dichloroethane-d4
Concen: 46.141 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Tgt Ion: 65 Resp: 108355
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

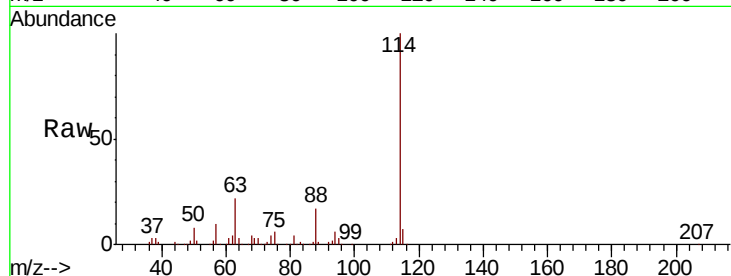




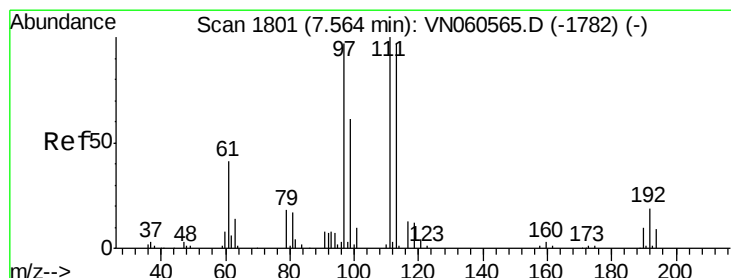
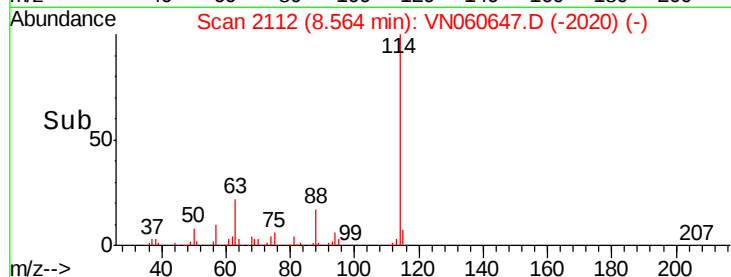
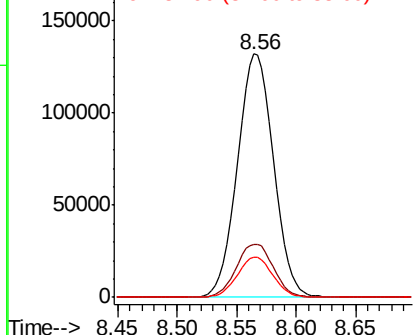
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060647.D
 Acq: 20 Mar 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 278072
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.5 0.0 33.0

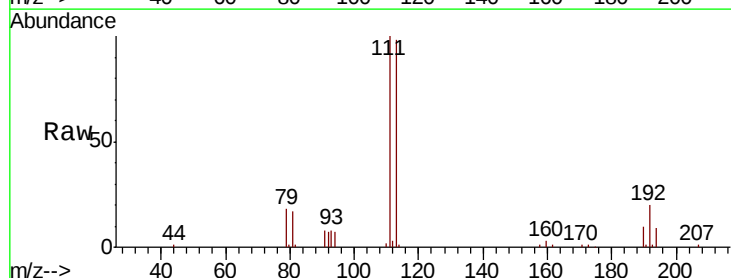


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

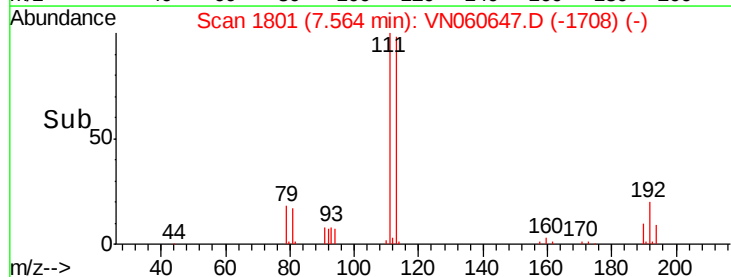
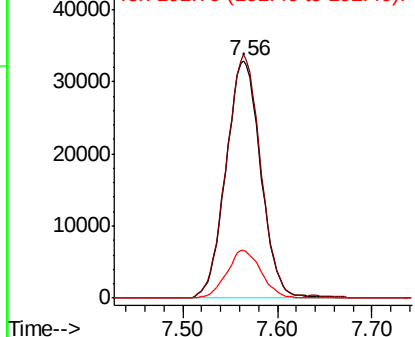


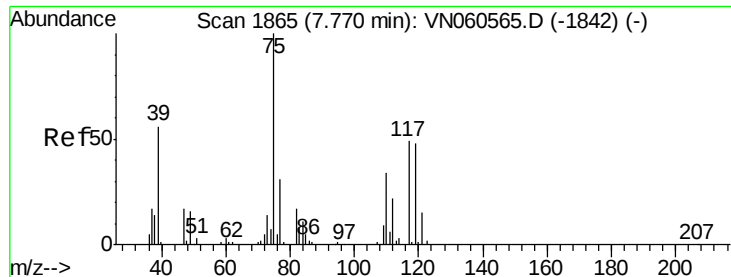
#35
 Dibromofluoromethane
 Concen: 49.884 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060647.D
 Acq: 20 Mar 2020 12:52

Tgt Ion:113 Resp: 83875
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 19.7 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

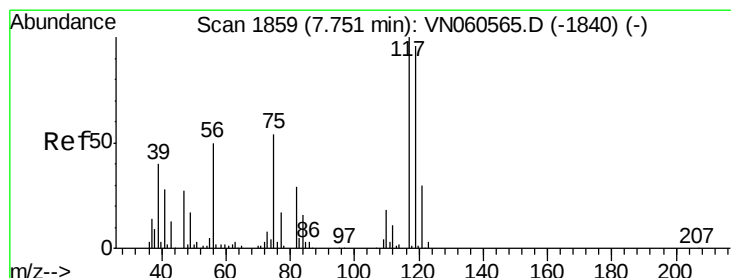
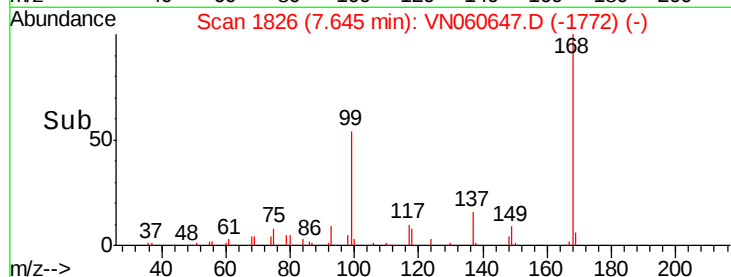
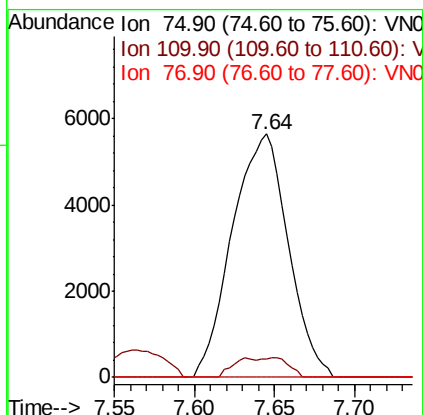
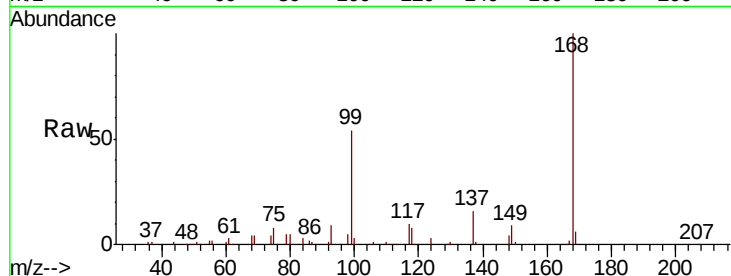




#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060647.D
 Acq: 20 Mar 2020 12:52

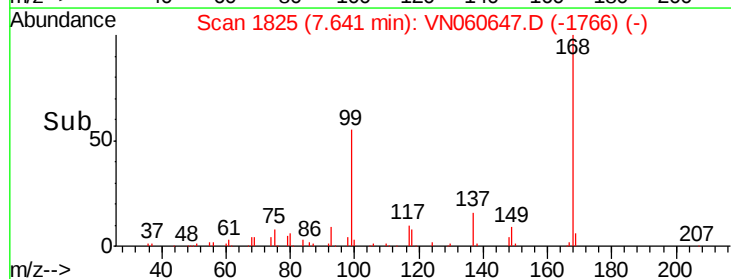
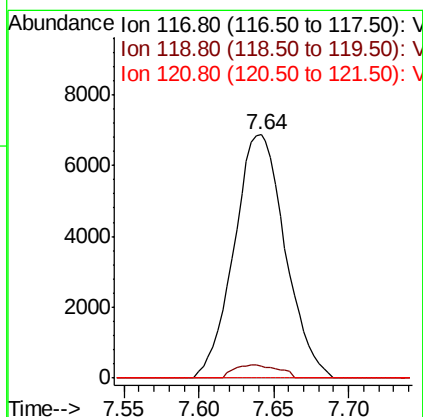
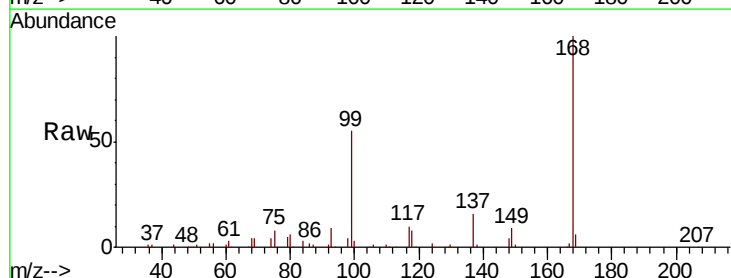
Instrument :
 MSVOA_N
 ClientSampled :

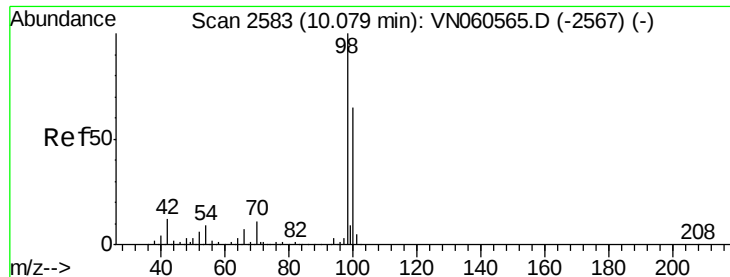
Tot Ion	75	Resp	13507
Ion Ratio	Lower	Upper	
75	100		
110	3.4	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.761 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060647.D
 Acq: 20 Mar 2020 12:52

Tgt Ion	117	Resp	16315
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.508 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060647.D

Acq: 20 Mar 2020 12:52

Instrument :

MSVOA_N

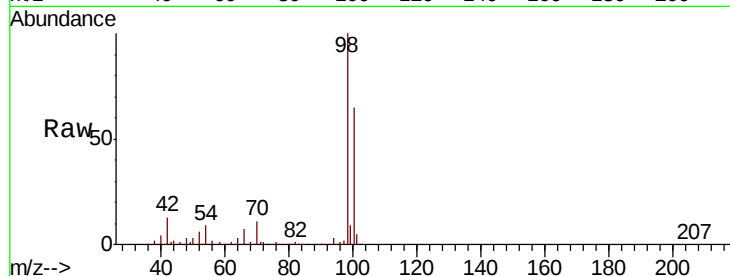
ClientSampleId :

Tot Ion: 98 Resp: 340016

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060565.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060565.D (-2567) (-)

10.08

200000

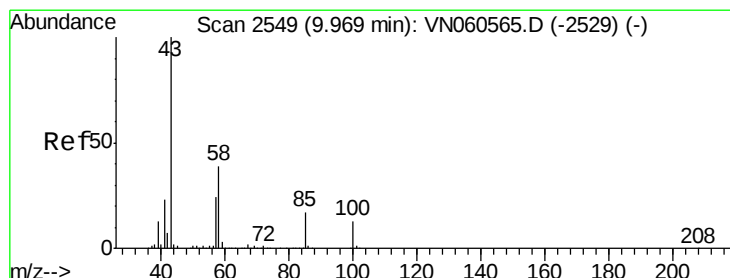
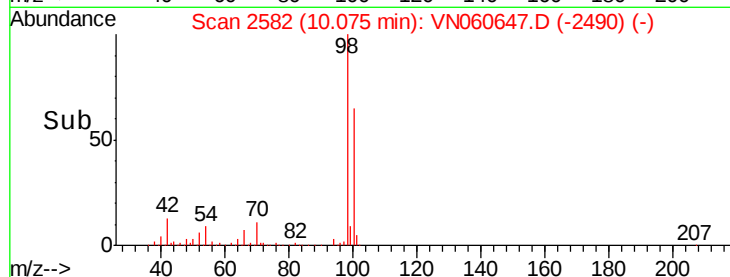
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.237 ug/l

RT: 9.96 min Scan# 2547

Delta R.T. -0.01 min

Lab File: VN060647.D

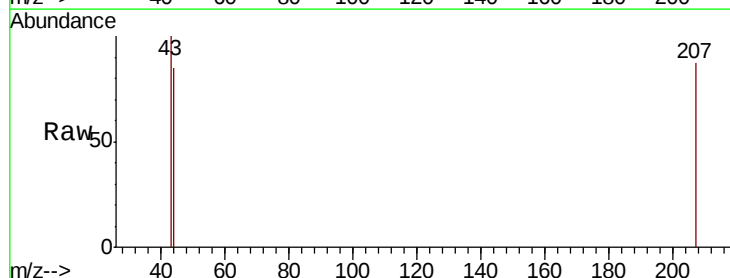
Acq: 20 Mar 2020 12:52

Tgt Ion: 43 Resp: 648

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.96

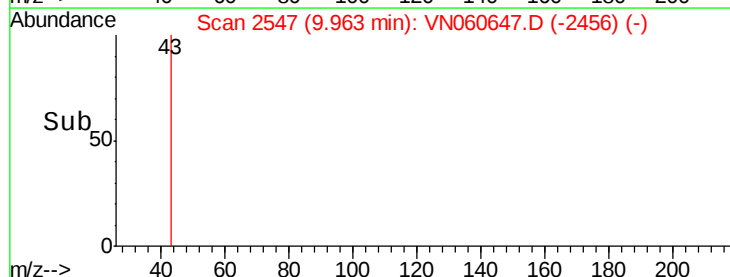
300

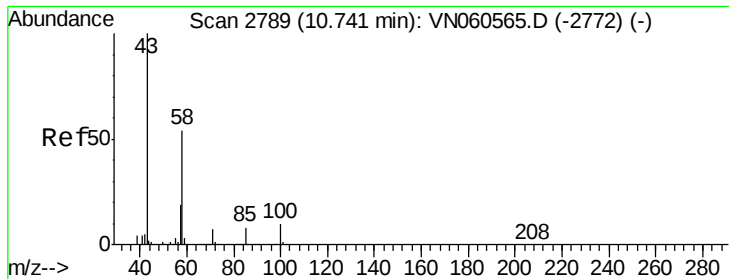
200

100

0

Time-->

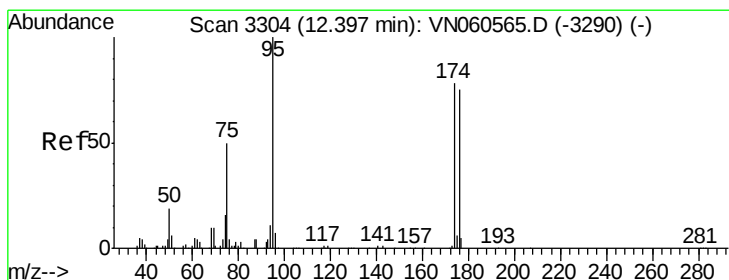
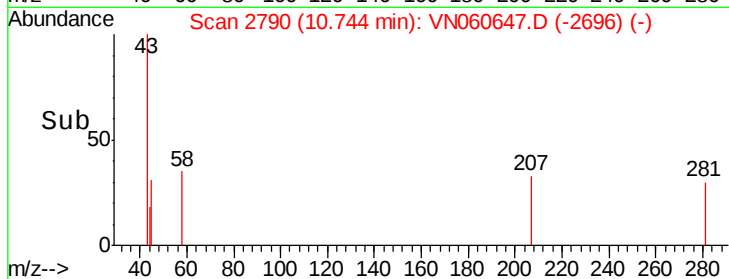
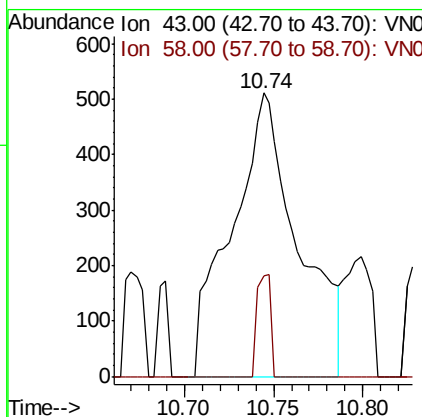
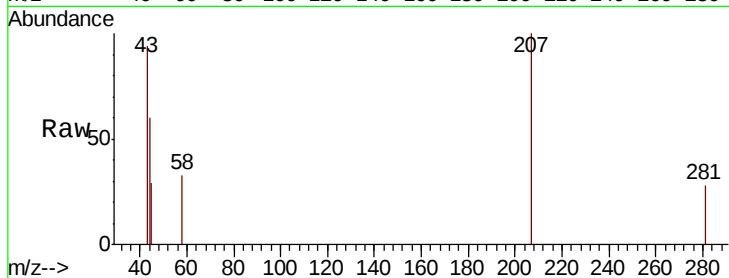




#59
2-Hexanone
Concen: 0.673 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

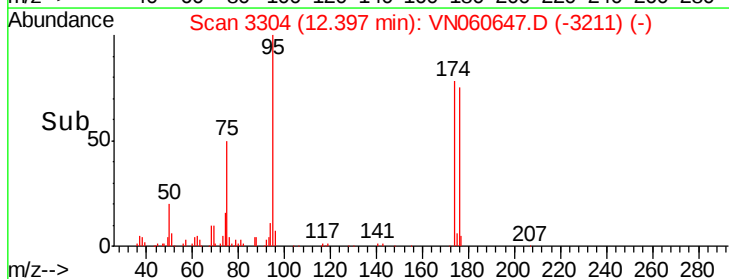
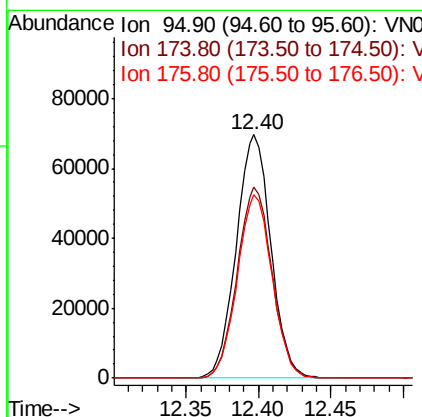
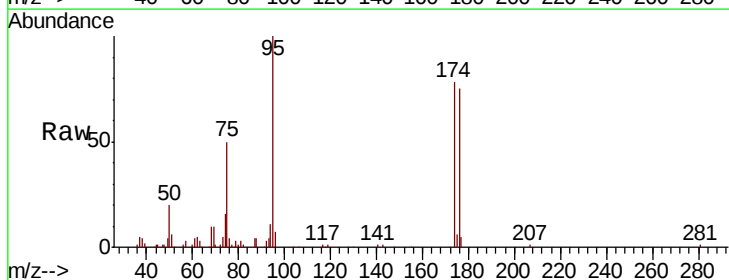
Instrument :
MSVOA_N
ClientSampled :

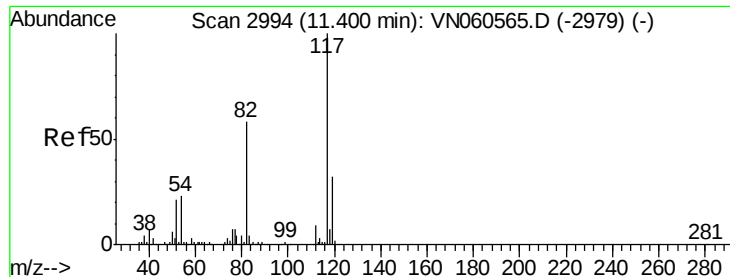
Tot Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 7.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 45.833 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Tgt Ion: 95 Resp: 115362
Ion Ratio Lower Upper
95 100
174 78.9 0.0 157.6
176 75.9 0.0 150.6

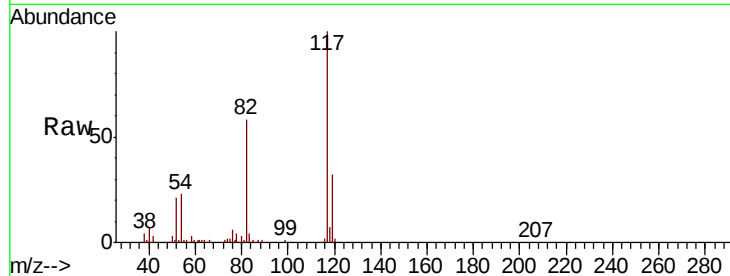




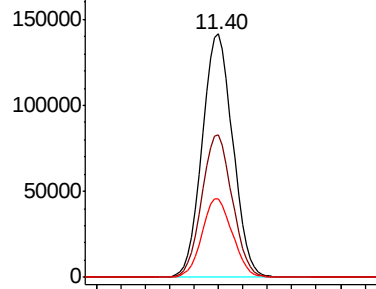
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :

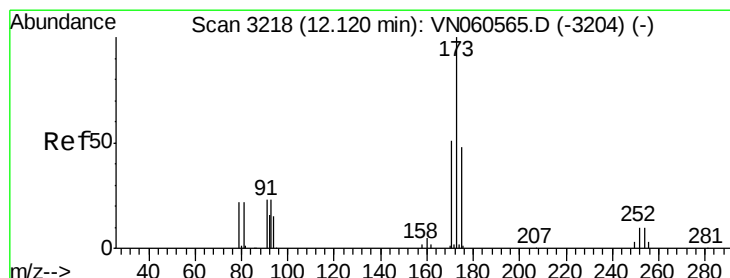
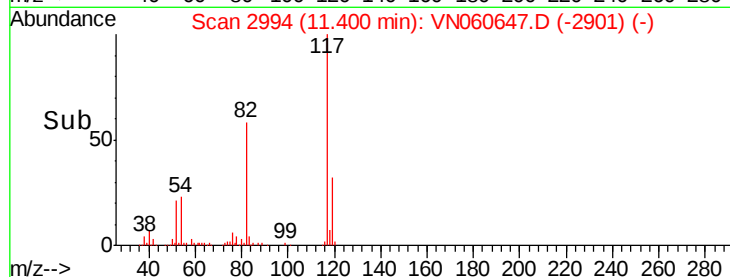
Tot Ion:117 Resp: 247574
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 32.3 25.5 38.3



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

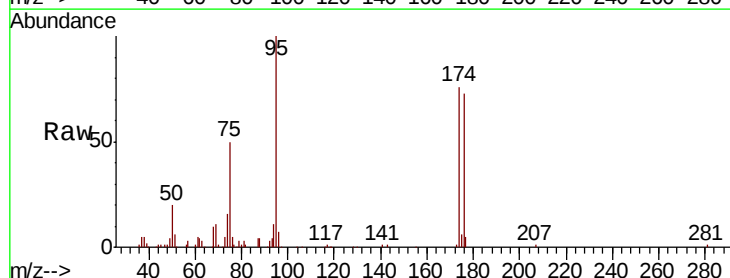


Time--> 11.30 11.40 11.50

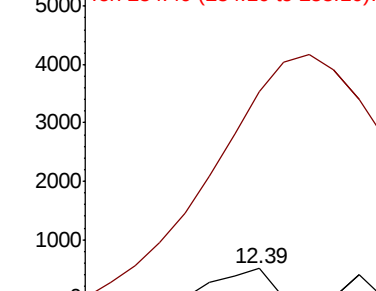


#71
Bromoform
Concen: 1.826 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

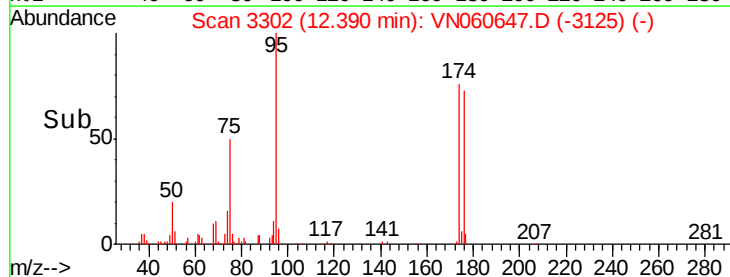
Tgt Ion:173 Resp: 222
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

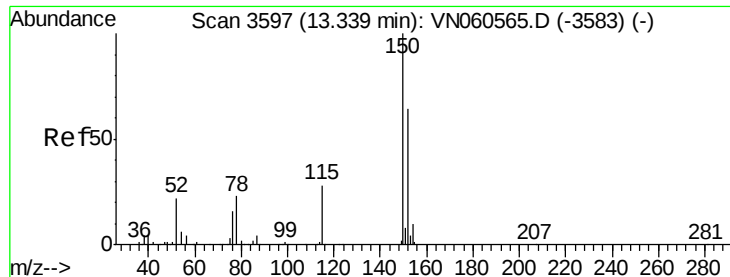


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time--> 12.37 12.38 12.39 12.40



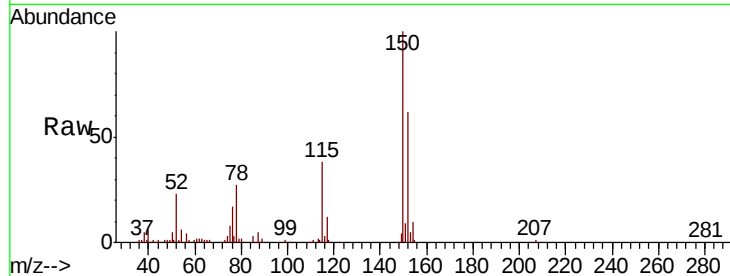


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	157.3	0.0	350.2

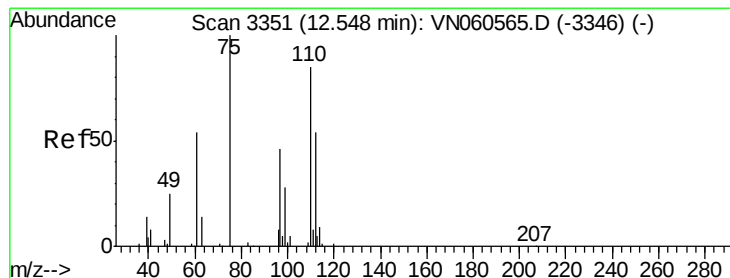
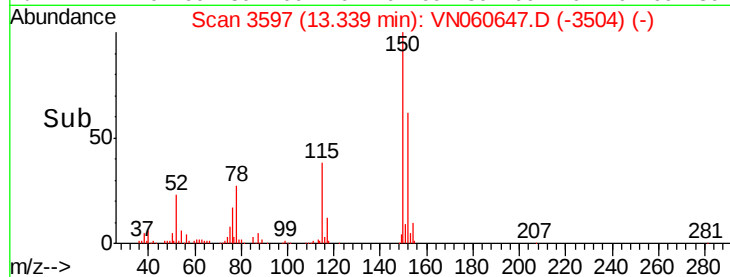
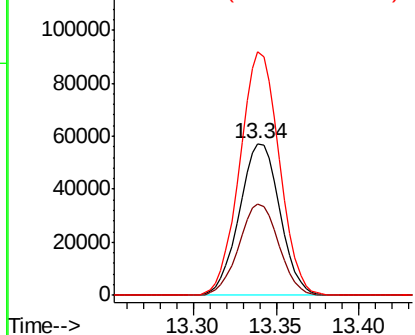


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

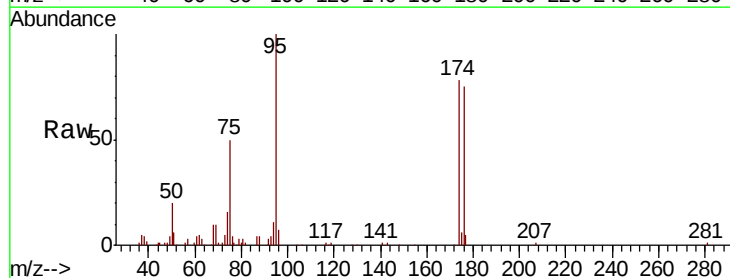
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 27.738 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060647.D
Acq: 20 Mar 2020 12:52

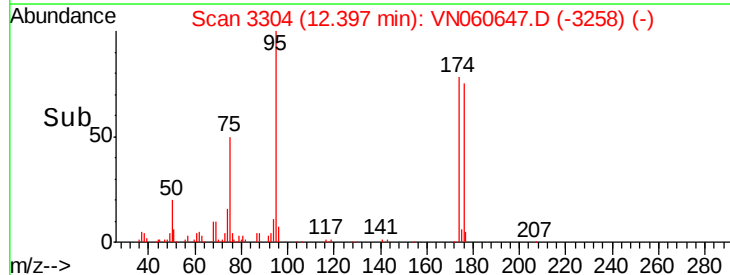
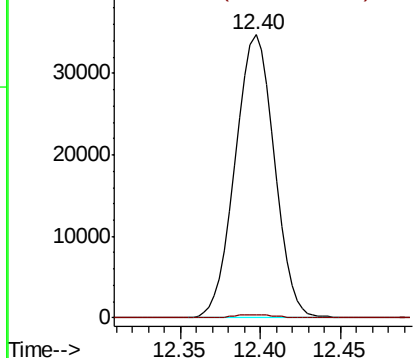
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

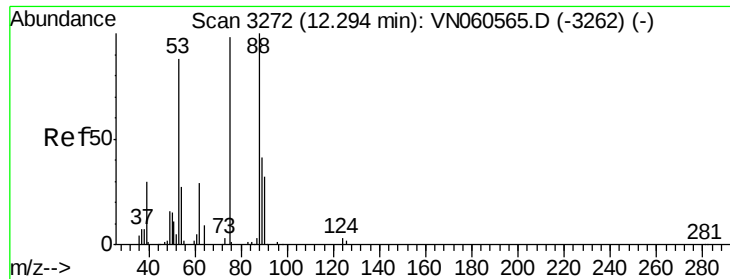


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.240 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060647.D

Acq: 20 Mar 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

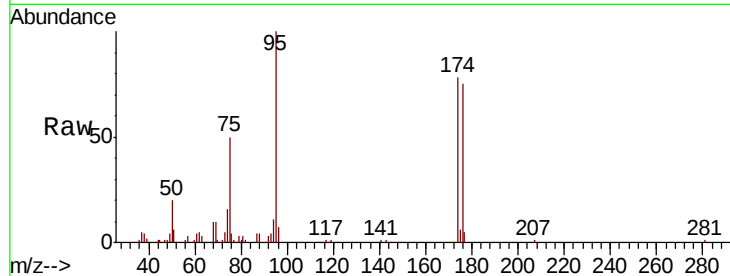
Tot Ion: 75 Resp: 58033

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

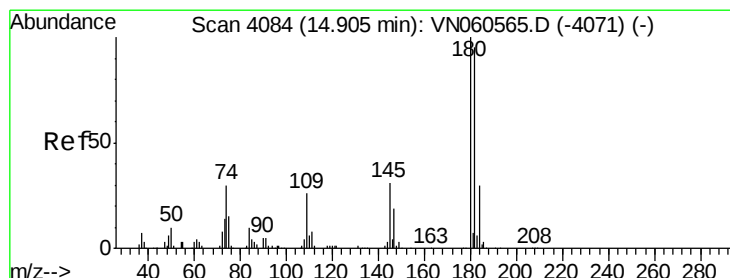
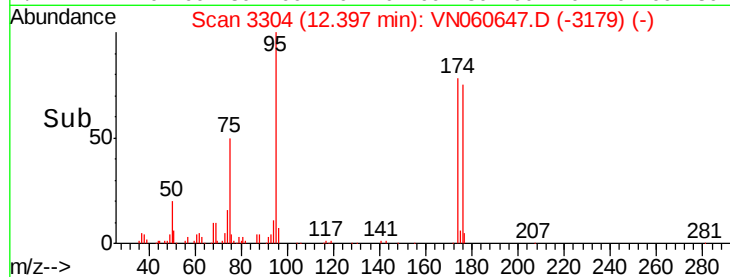
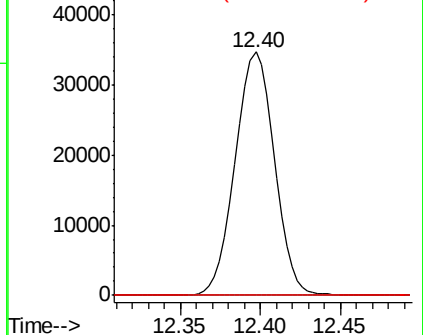
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060647.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060647.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060647.D (-3179) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.390 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060647.D

Acq: 20 Mar 2020 12:52

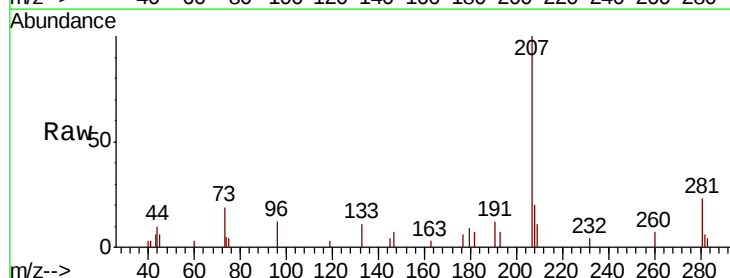
Tgt Ion: 180 Resp: 709

Ion Ratio Lower Upper

180 100

182 87.2 47.9 143.8

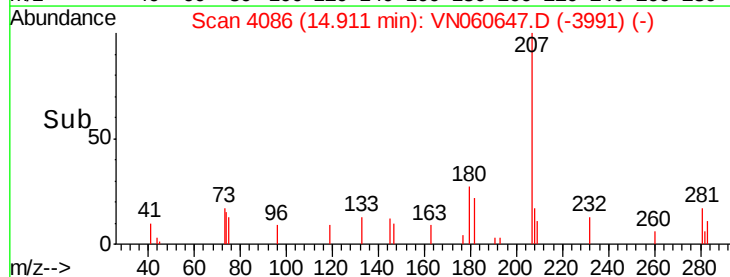
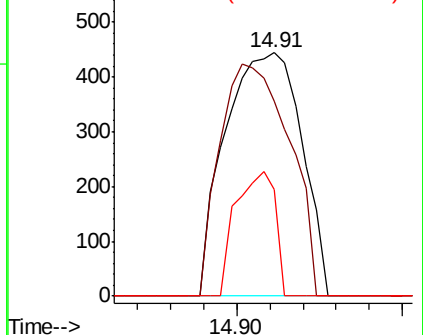
145 26.7 15.4 46.2

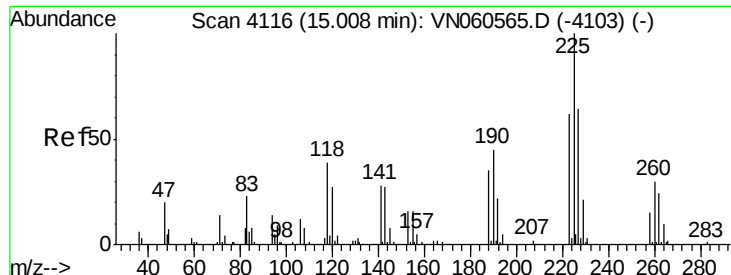


Abundance Ion 179.80 (179.50 to 180.50): VN060647.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060647.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060647.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.402 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060647.D

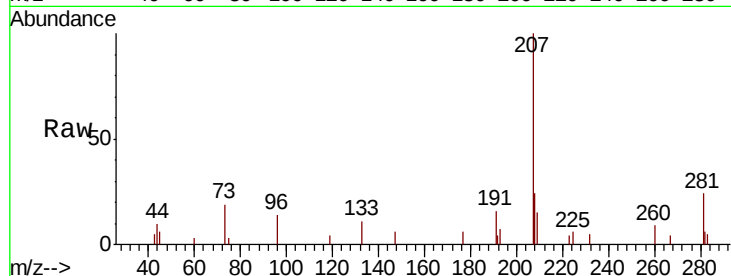
Acq: 20 Mar 2020 12:52

Instrument :

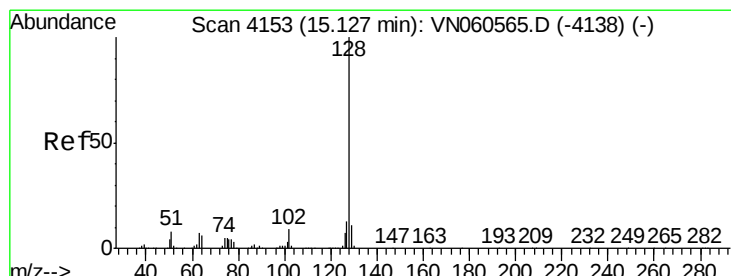
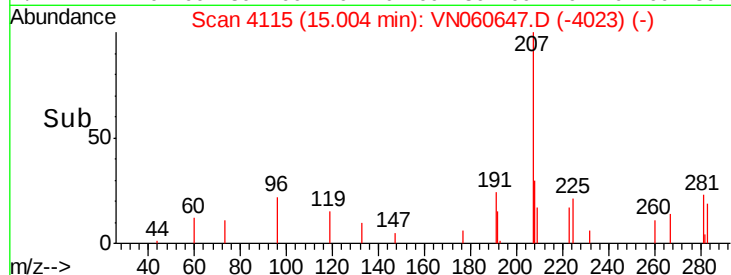
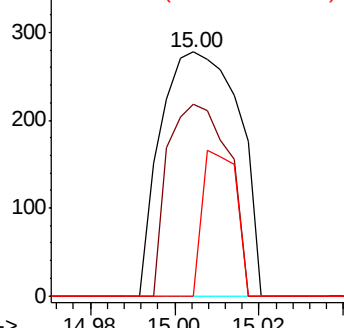
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	358
Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.6	95.0
227	25.7	32.3	96.8#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.618 ug/l

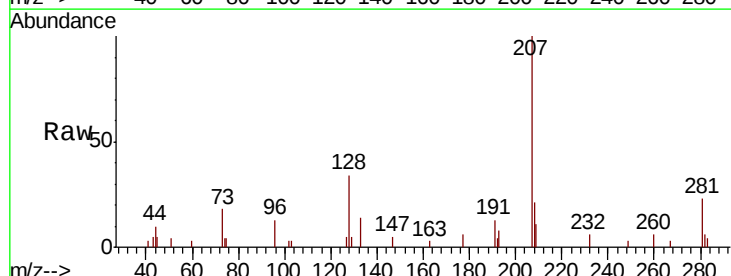
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

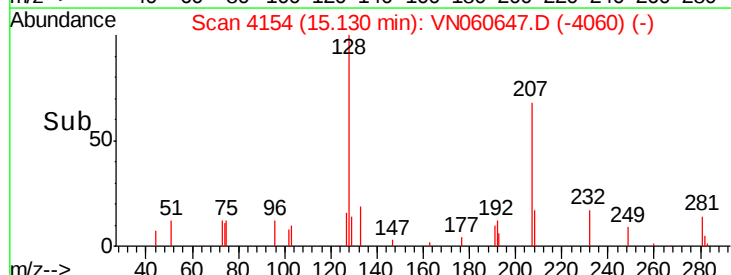
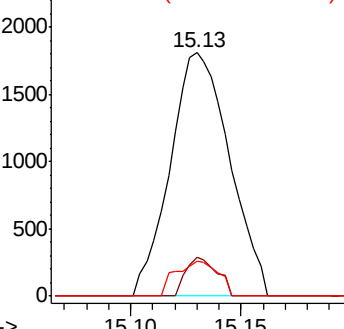
Lab File: VN060647.D

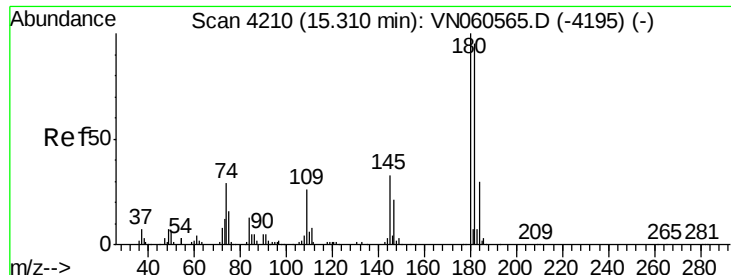
Acq: 20 Mar 2020 12:52

Tgt Ion:	128	Resp:	3375
Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.2	15.2#
129	10.4	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

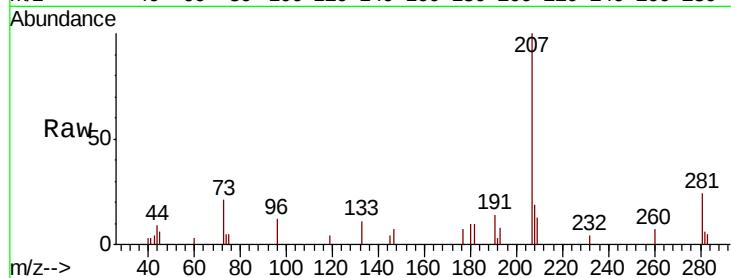




#96
 1,2,3-Trichlorobenzene
 Concen: 0.509 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060647.D
 Acq: 20 Mar 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.5	142.6
145	22.6	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

