

Data File : VN060436.D
Acq On : 11 Mar 2020 9:33
Operator : JC/MD
Sample : VN0311MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311MBL01

Quant Time: Mar 12 03:31:59 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	187639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112954	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	119528	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	7.56	113	91284	63.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.62%	
50) Toluene-d8	10.08	98	371459	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	129964	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

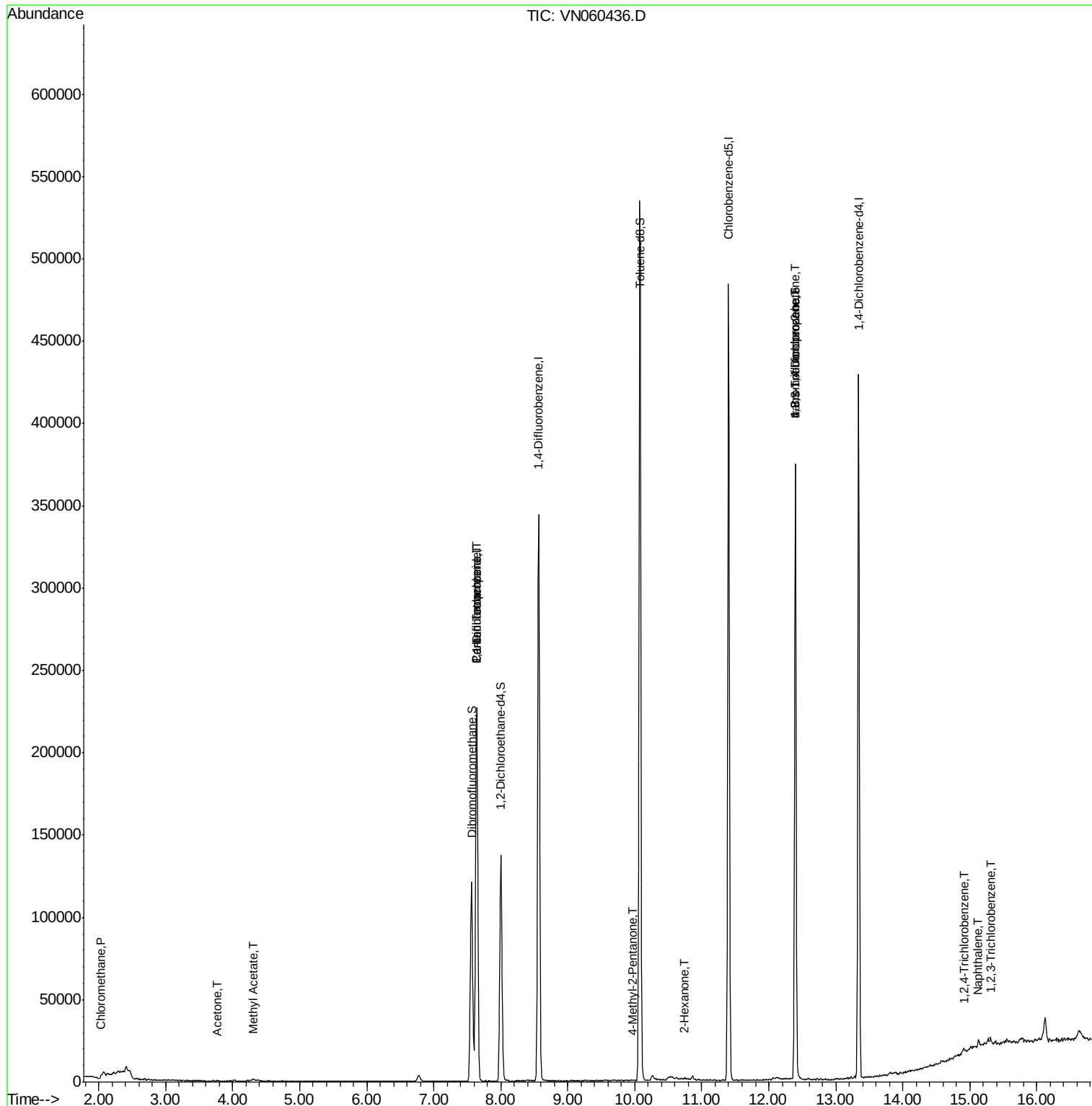
Target Compounds			Qvalue			
3) Chloromethane	2.04	50	1303	0.435 ug/l		99
16) Acetone	3.78	43	216	0.278 ug/l #		44
17) Carbon Disulfide	4.03	76	614	Below Cal #		75
18) Methyl Acetate	4.30	43	2538	0.978 ug/l #		66
31) Cyclohexane	7.64	56	3977	Below Cal #		1
36) 1,1-Dichloropropene	7.64	75	14745	5.020 ug/l #		50
38) Carbon Tetrachloride	7.64	117	18073	6.320 ug/l #		16
51) 4-Methyl-2-Pentanone	9.97	43	554	0.201 ug/l #		36
59) 2-Hexanone	10.75	43	561	0.277 ug/l #		60
76) 1,2,3-Trichloropropane	12.40	75	65925	26.602 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	65925	73.433 ug/l #		8
87) 1,3-Dichlorobenzene	13.28	146	438	Below Cal #		42
88) 1,4-Dichlorobenzene	13.36	146	473	Below Cal #		25
93) 1,2,4-Trichlorobenzene	14.91	180	847	0.458 ug/l		92
94) Hexachlorobutadiene	15.01	225	345	Below Cal #		37
95) Naphthalene	15.13	128	3662	0.274 ug/l #		91
96) 1,2,3-Trichlorobenzene	15.32	180	1200	0.377 ug/l		90

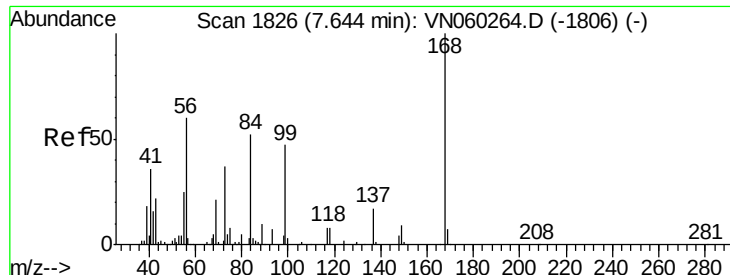
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN060436.D
Acq On : 11 Mar 2020 9:33
Operator : JC/MD
Sample : VN0311MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311MBL01

Quant Time: Mar 12 03:31:59 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

Instrument :

MSVOA_N

ClientSampleId :

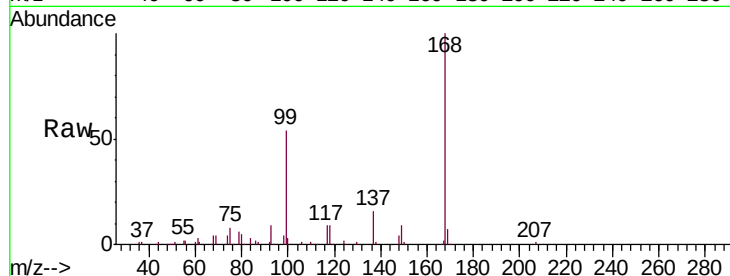
VN0311MBL01

Tgt Ion:168 Resp: 187639

Ion Ratio Lower Upper

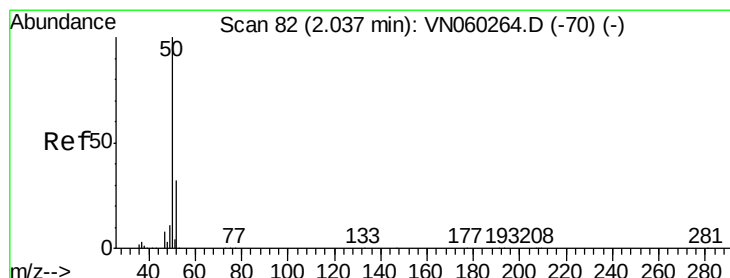
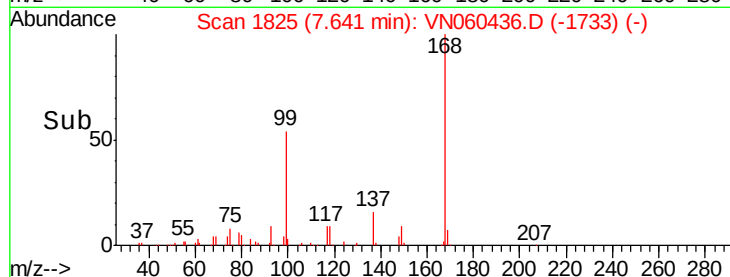
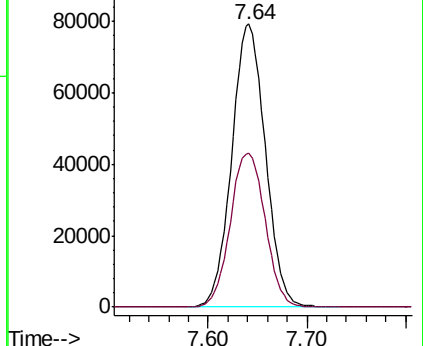
168 100

99 54.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.435 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060436.D

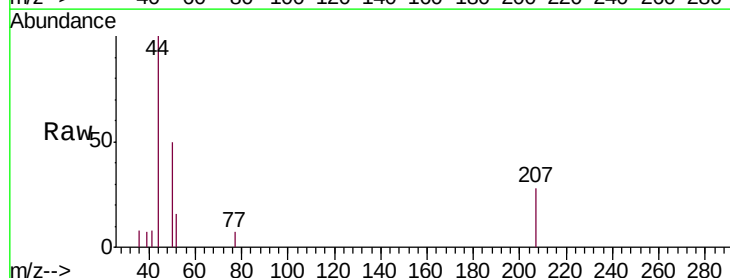
Acq: 11 Mar 2020 9:33

Tgt Ion: 50 Resp: 1303

Ion Ratio Lower Upper

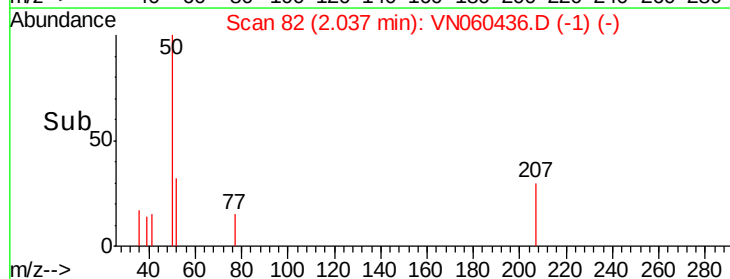
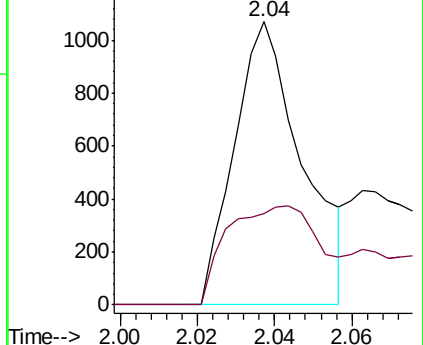
50 100

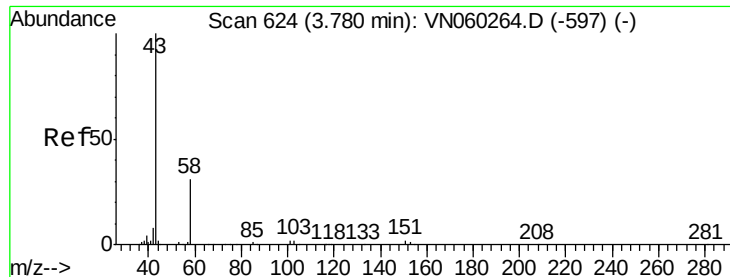
52 32.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 0.278 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

Instrument :

MSVOA_N

ClientSampleId :

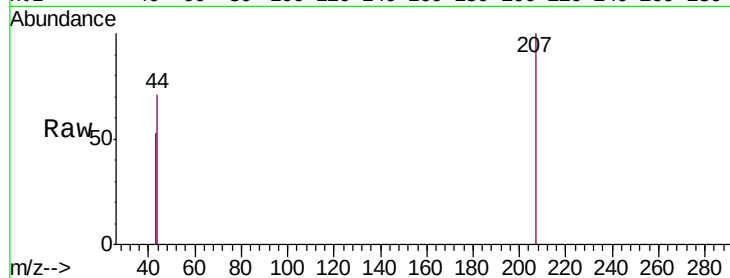
VN0311MBL01

Tgt Ion: 43 Resp: 216

Ion Ratio Lower Upper

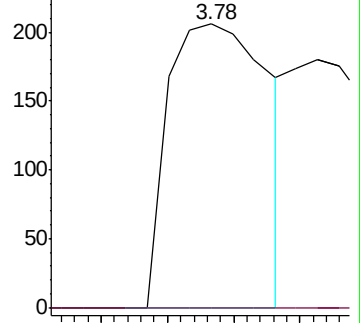
43 100

58 0.0 24.6 36.8#

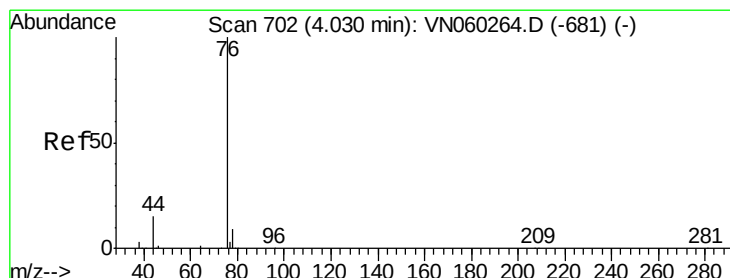
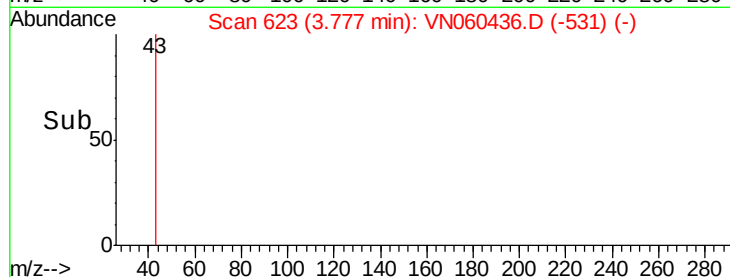


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060436.D

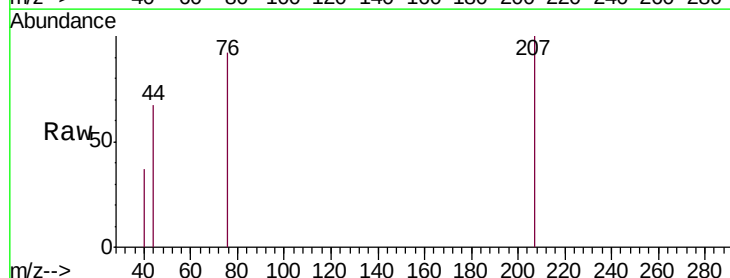
Acq: 11 Mar 2020 9:33

Tgt Ion: 76 Resp: 614

Ion Ratio Lower Upper

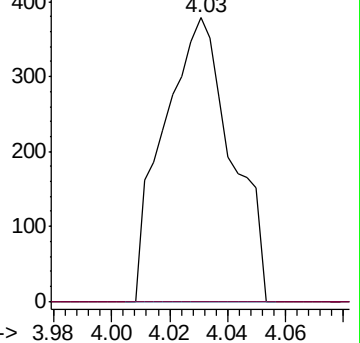
76 100

78 0.0 7.4 11.0#

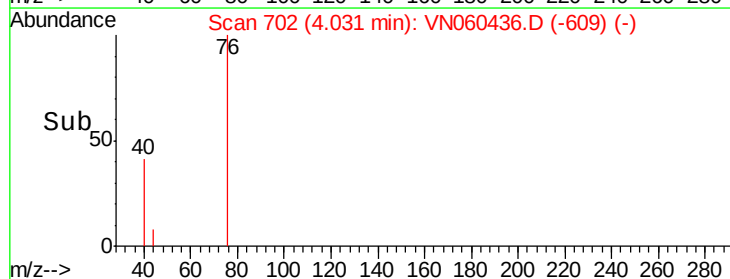


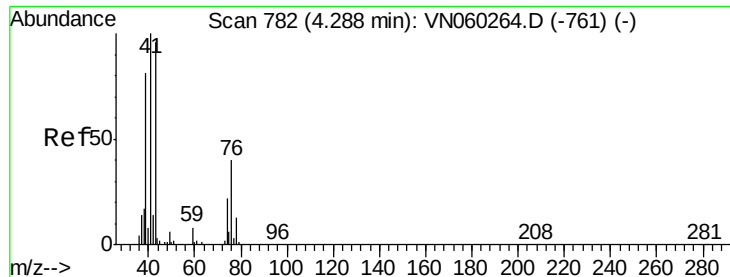
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->

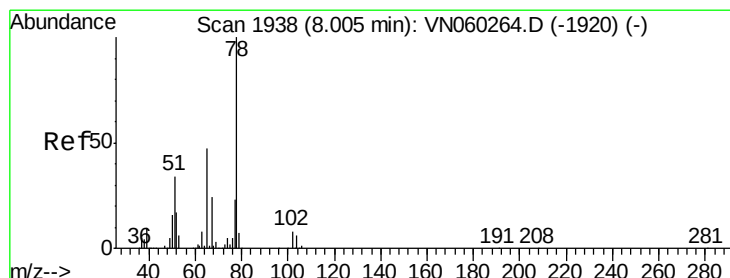
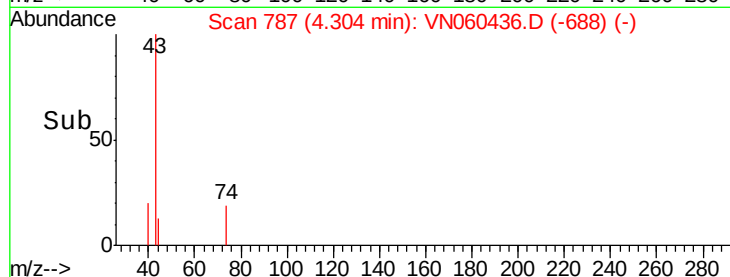
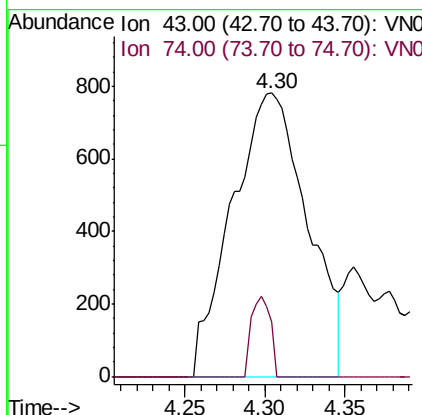
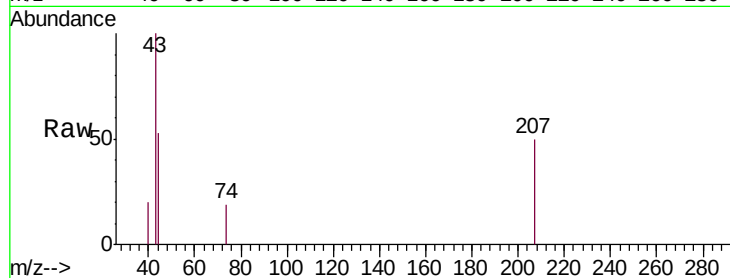




#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

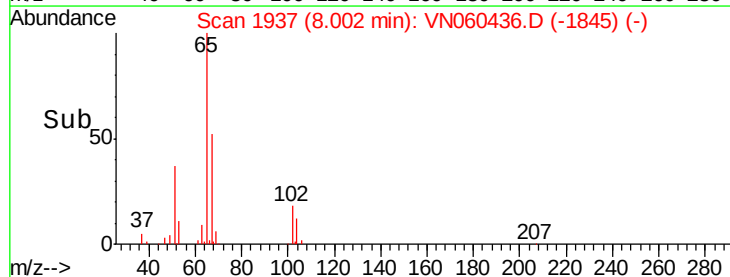
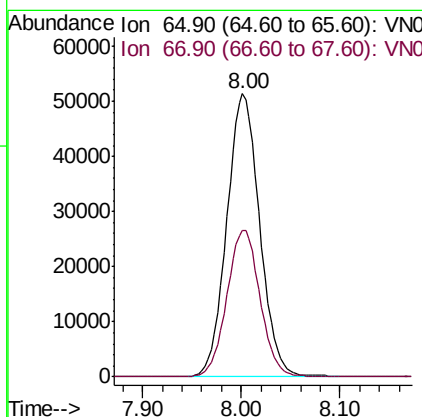
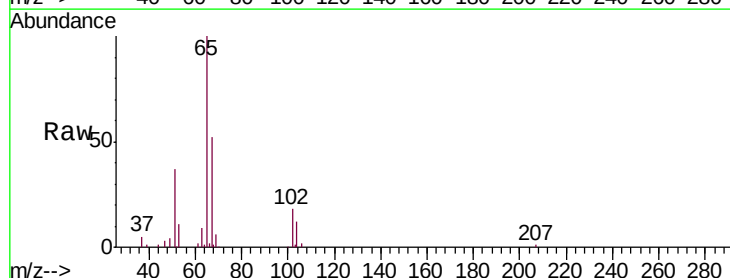
Instrument :
MSVOA_N
ClientSampleId :
VN0311MBL01

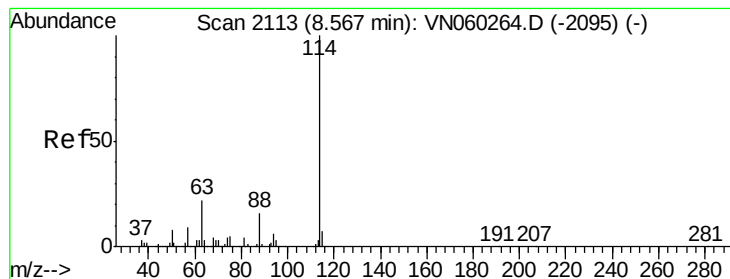
Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
74 7.1 18.8 28.2#



#33
1,2-Dichloroethane-d4
Concen: 49.650 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

Tgt Ion: 65 Resp: 119528
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN0311MBL01

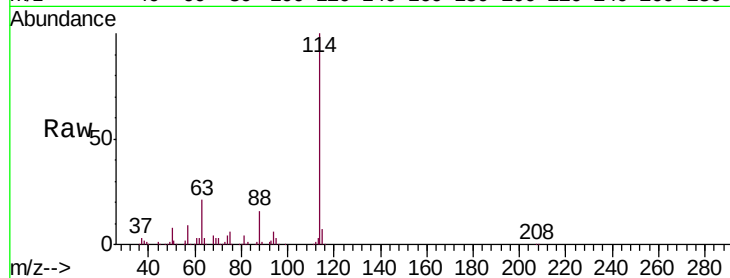
Tgt Ion:114 Resp: 308190

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

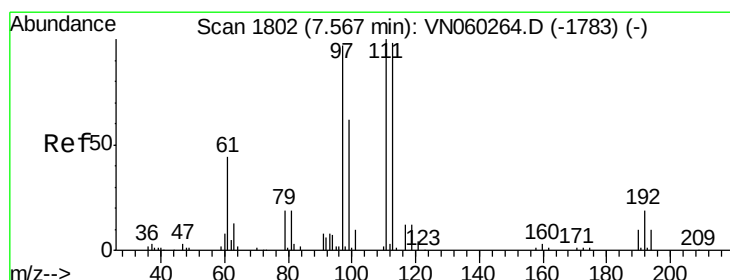
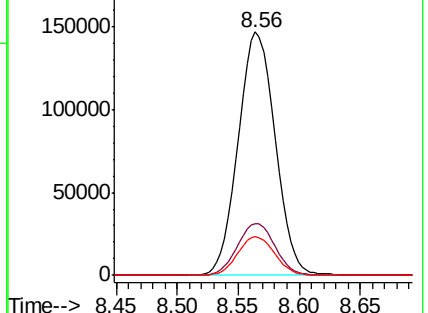
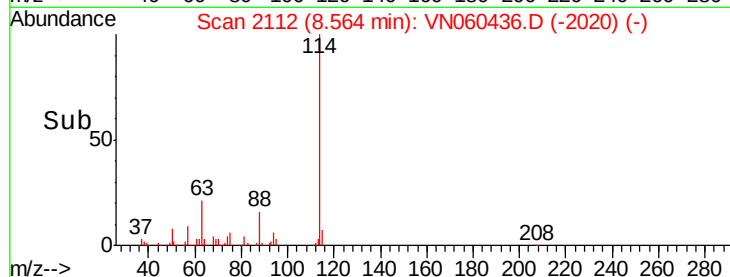
88 15.7 0.0 31.6



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: 63.812 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

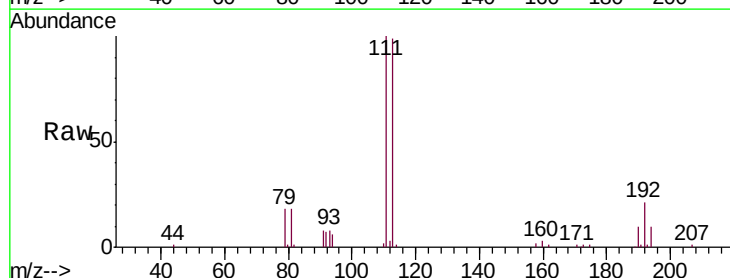
Tgt Ion:113 Resp: 91284

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

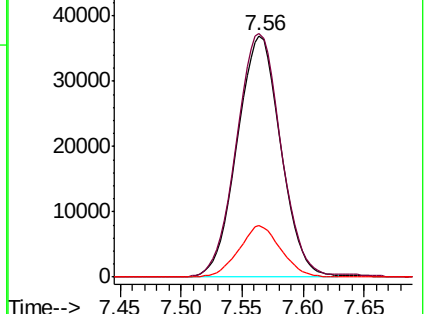
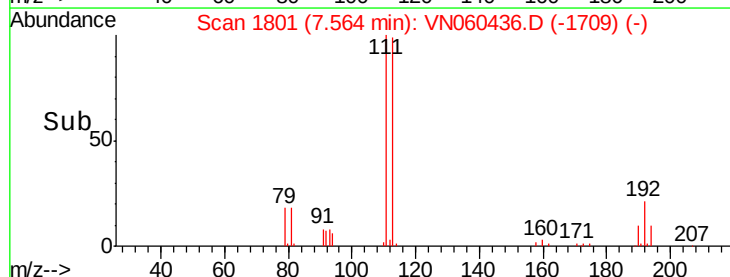
192 20.5 16.2 24.2

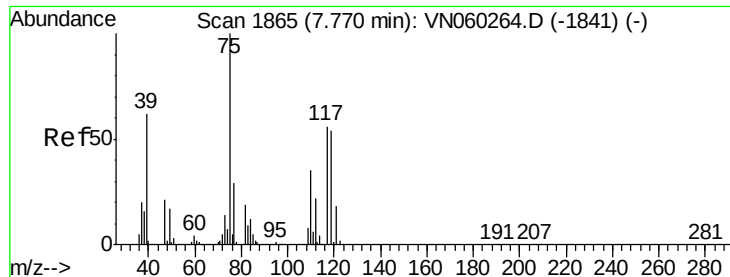


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

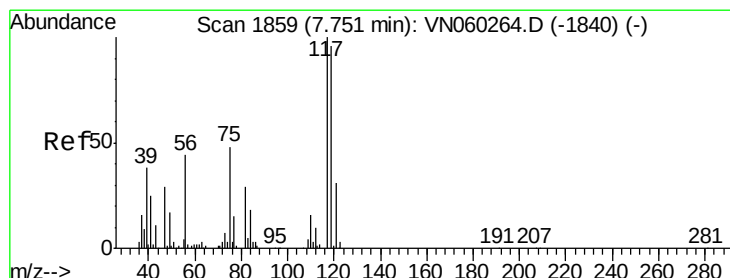
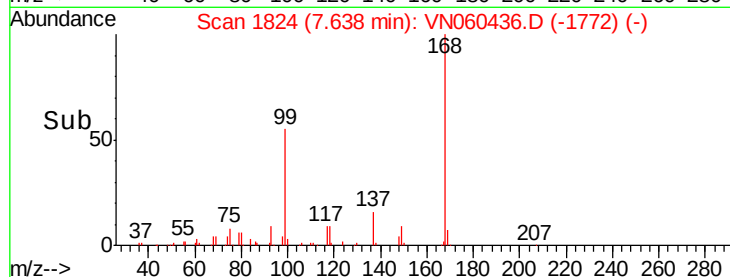
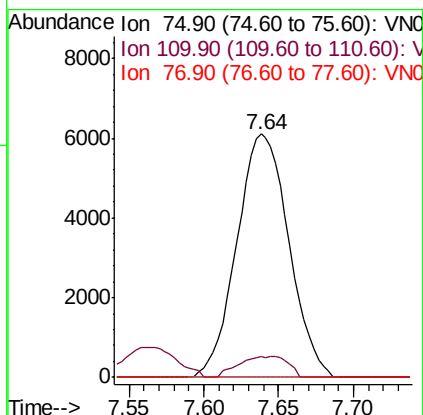
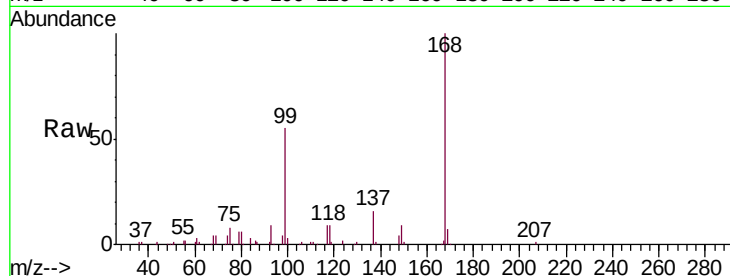




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

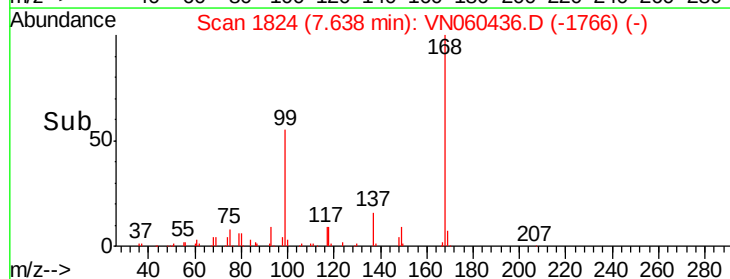
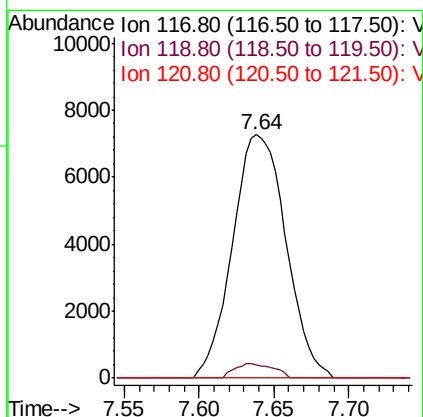
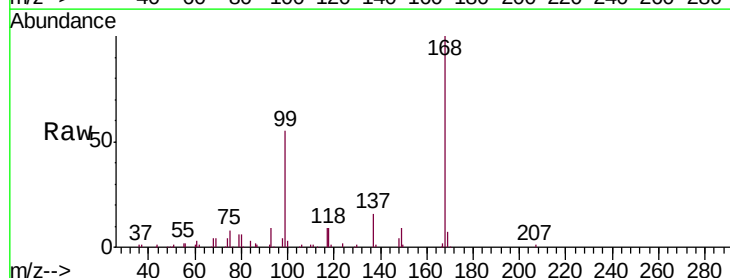
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311MBL01

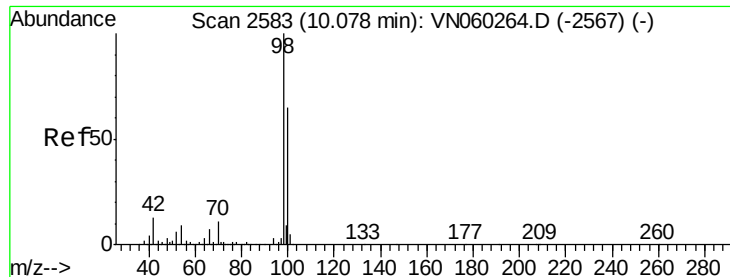
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.320 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.306 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

Instrument :

MSVOA_N

ClientSampled :

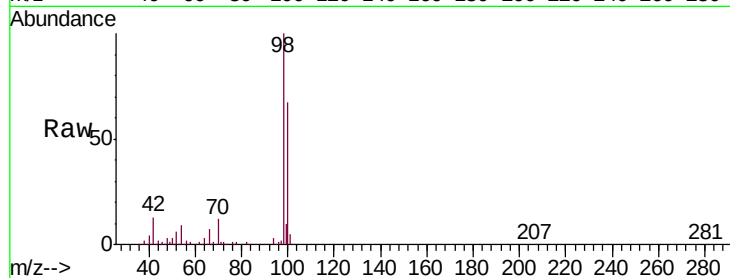
VN0311MBL01

Tgt Ion: 98 Resp: 371459

Ion Ratio Lower Upper

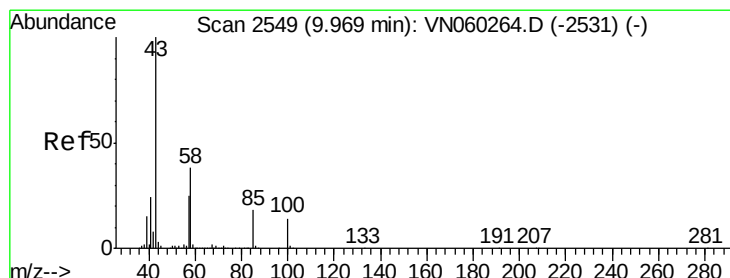
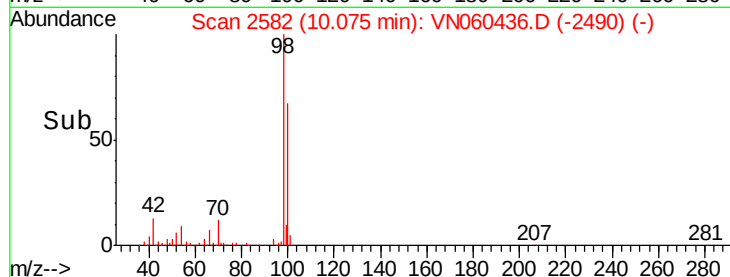
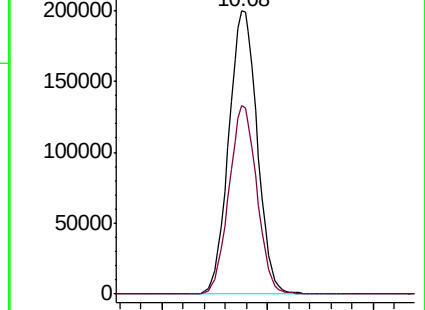
98 100

100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060436.D

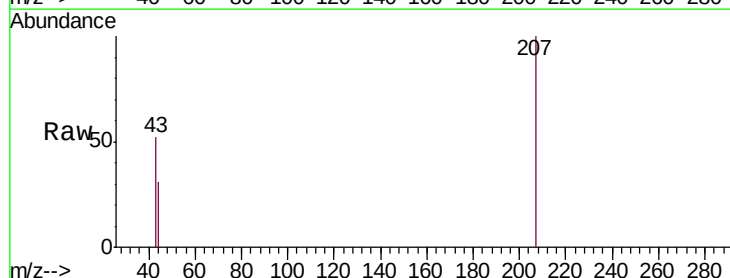
Acq: 11 Mar 2020 9:33

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

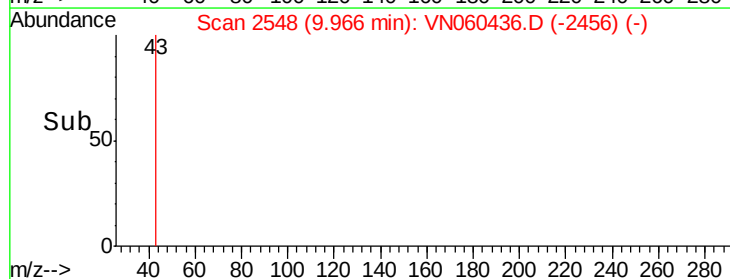
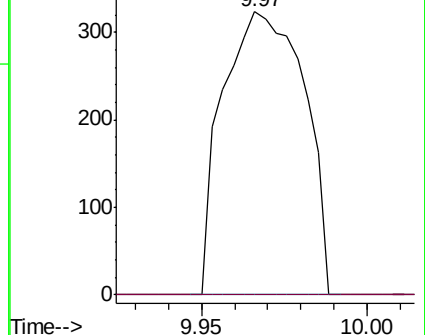
43 100

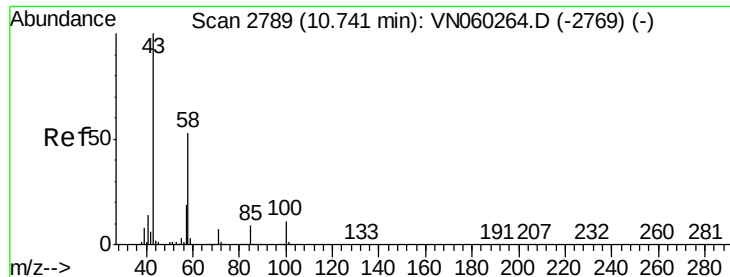
58 0.0 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

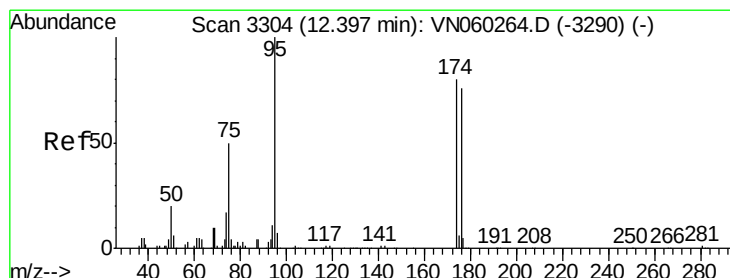
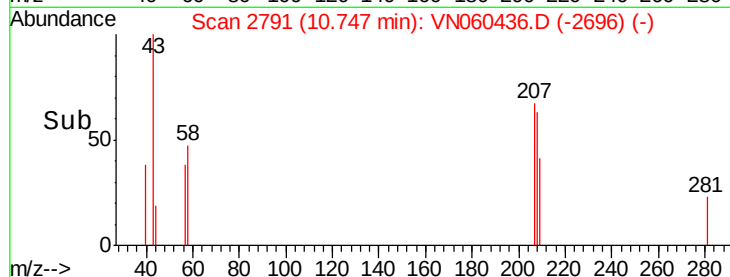
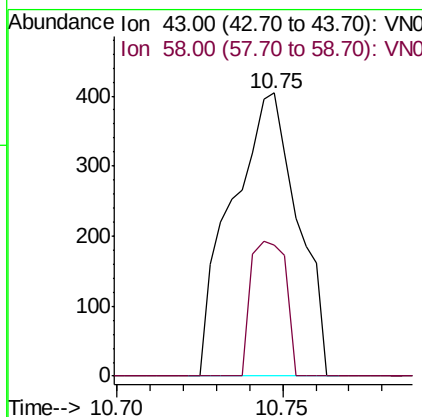
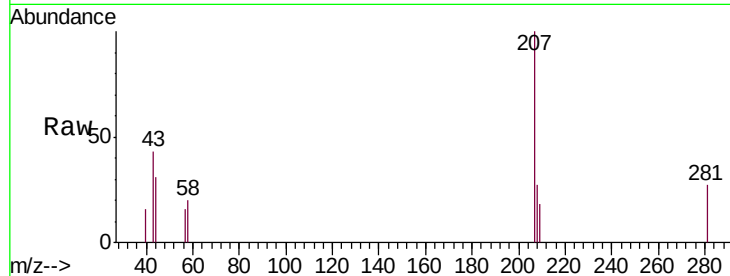




#59
2-Hexanone
Concen: 0.277 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.01 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

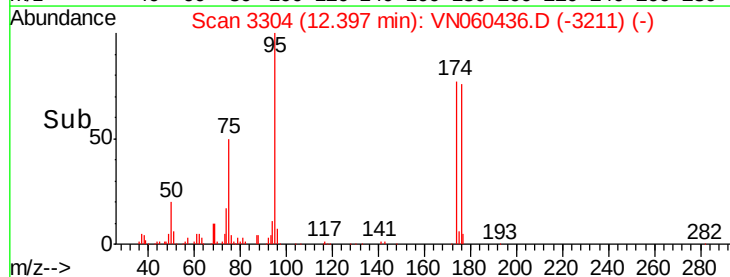
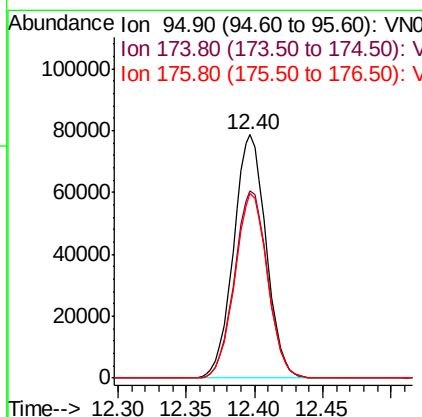
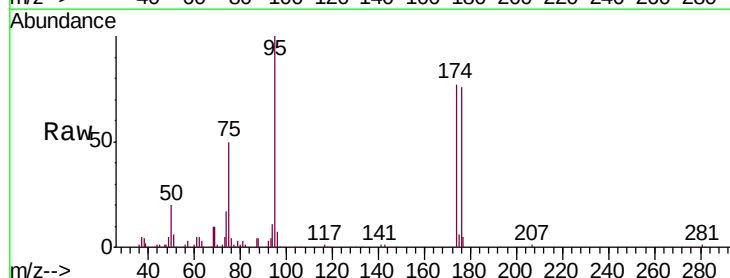
Instrument :
MSVOA_N
ClientSampleId :
VN0311MBL01

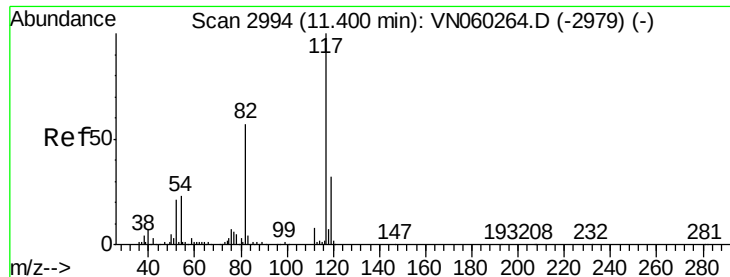
Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
58 25.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 47.354 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

Tgt Ion: 95 Resp: 129964
Ion Ratio Lower Upper
95 100
174 78.2 0.0 159.2
176 76.3 0.0 153.8

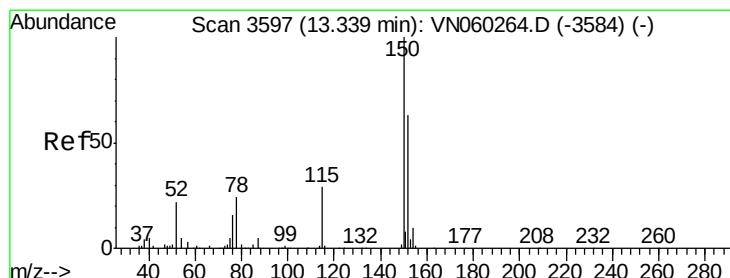
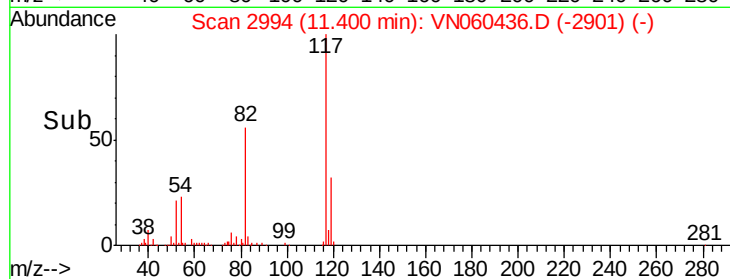
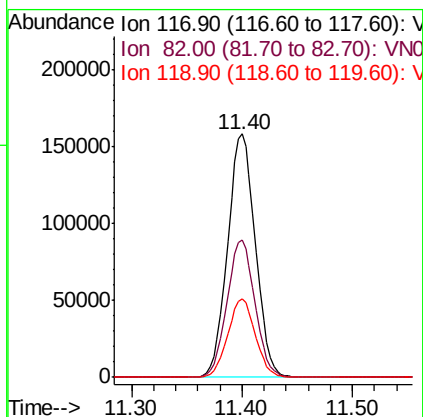
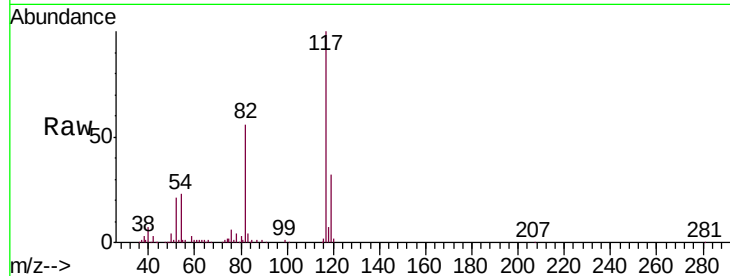




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

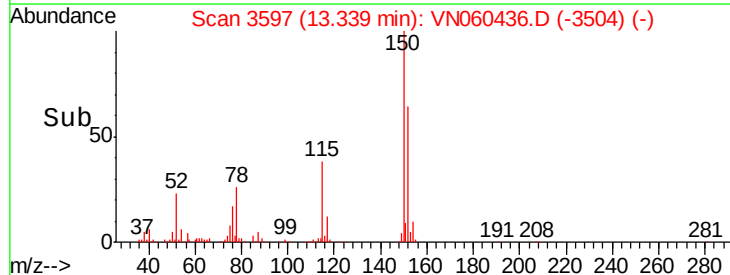
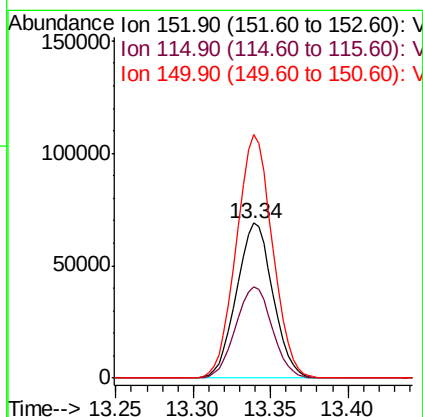
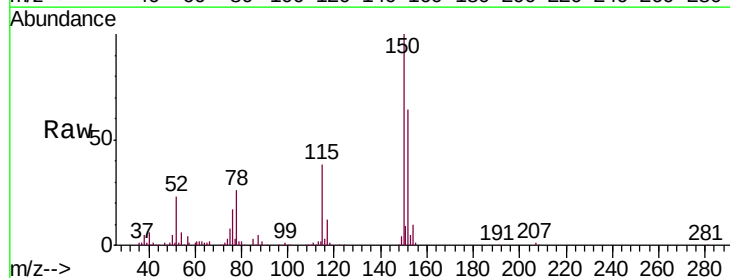
Instrument :
MSVOA_N
ClientSampleId :
VN0311MBL01

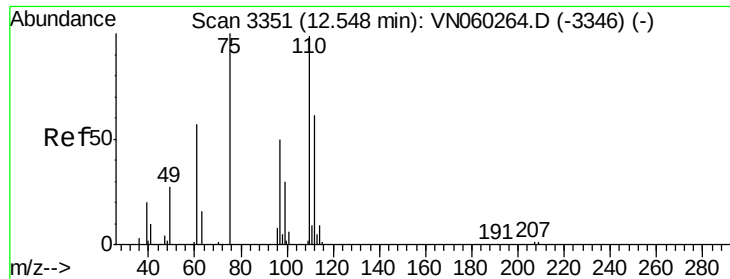
Tgt Ion:117 Resp: 276254
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060436.D
Acq: 11 Mar 2020 9:33

Tgt Ion:152 Resp: 112954
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 156.0 0.0 349.6

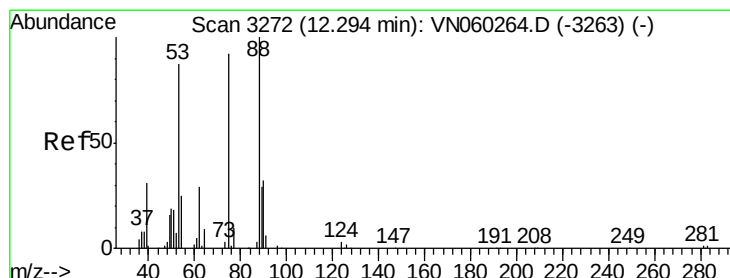
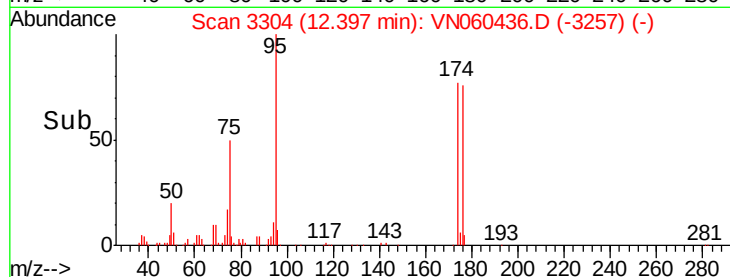
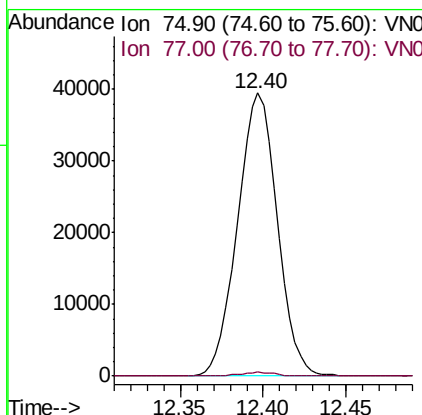
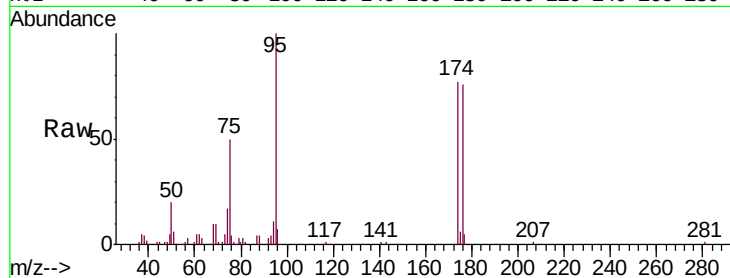




#76
 1,2,3-Trichloropropane
 Concen: 26.602 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

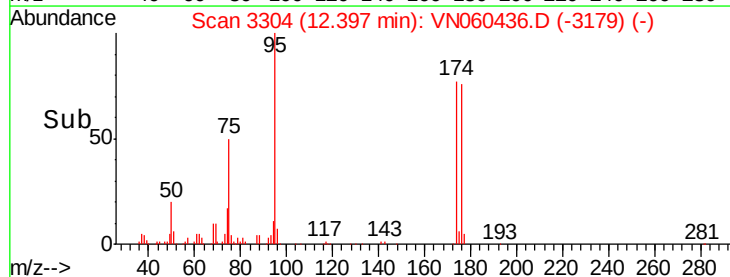
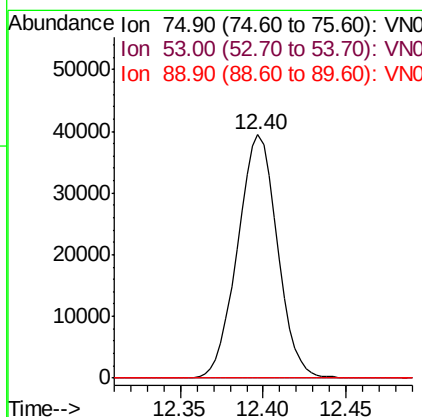
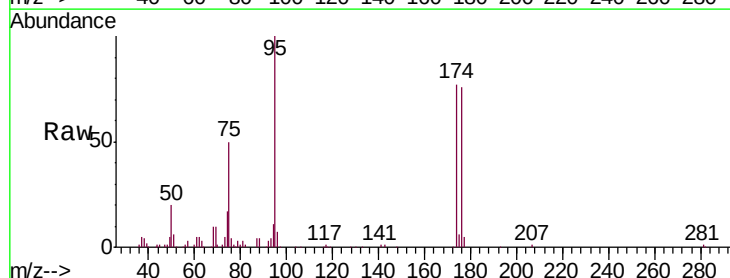
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311MBL01

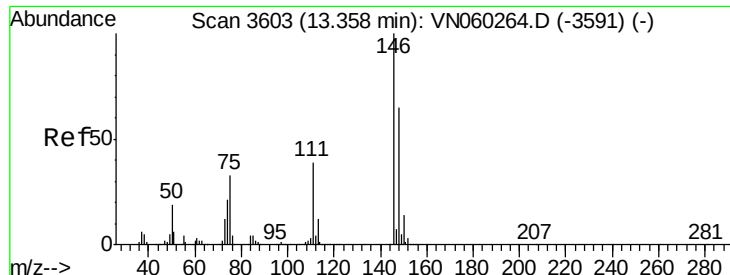
Tgt Ion: 75 Resp: 65925
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.433 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

Tgt Ion: 75 Resp: 65925
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

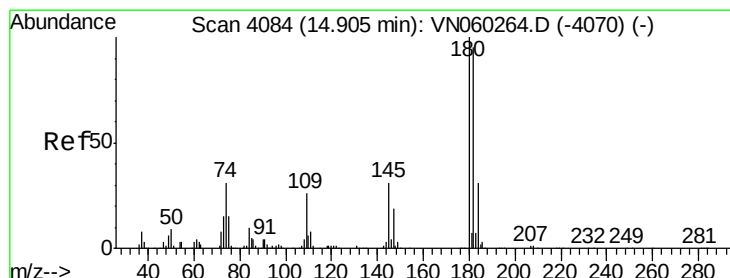
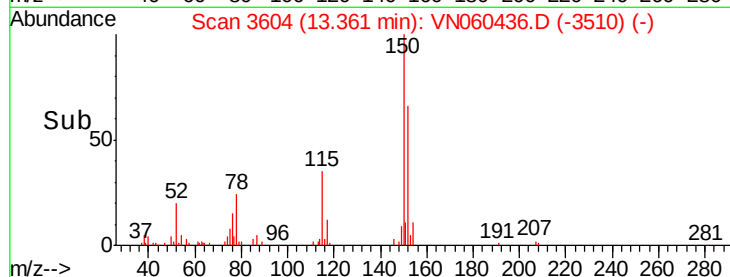
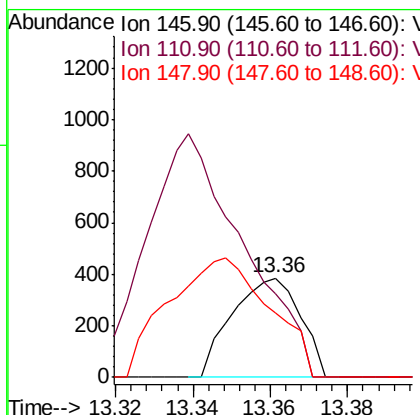
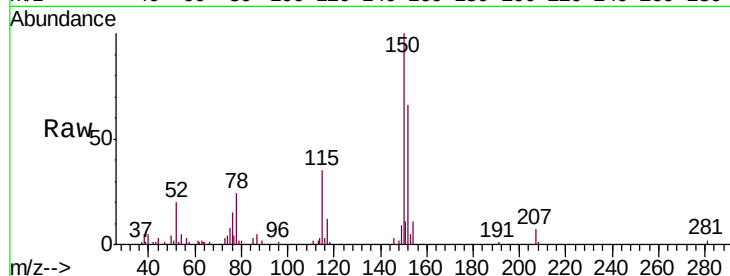




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

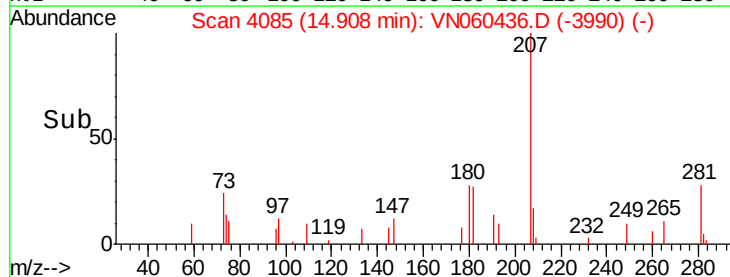
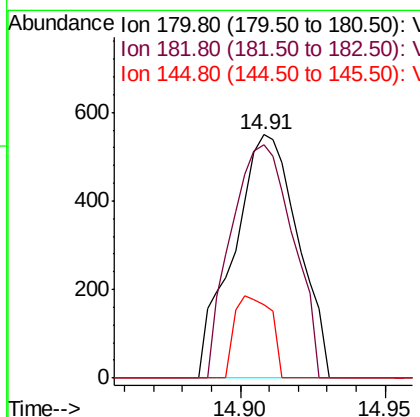
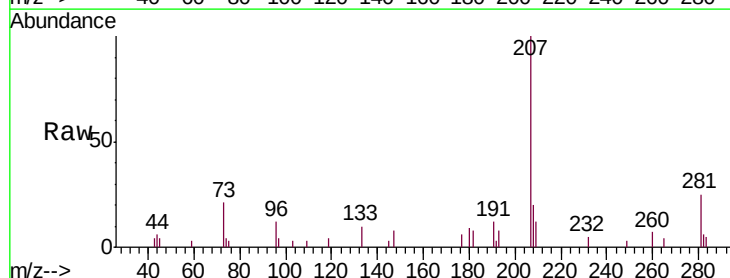
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311MBL01

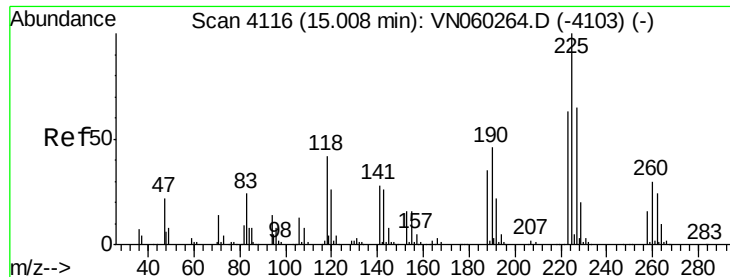
Tgt Ion:146 Resp: 473
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.8 59.4#
 148 0.0 32.3 96.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.458 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

Tgt Ion:180 Resp: 847
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.8 143.3
 145 19.0 15.4 46.1





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060436.D

Acq: 11 Mar 2020 9:33

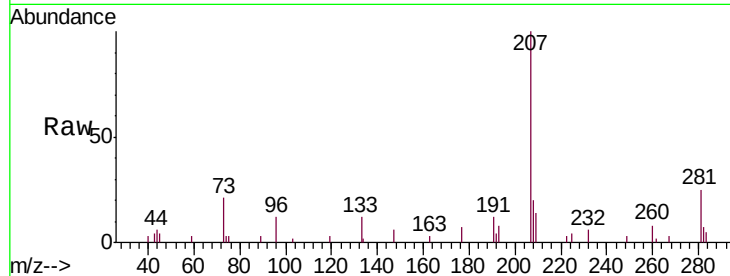
Instrument :

MSVOA_N

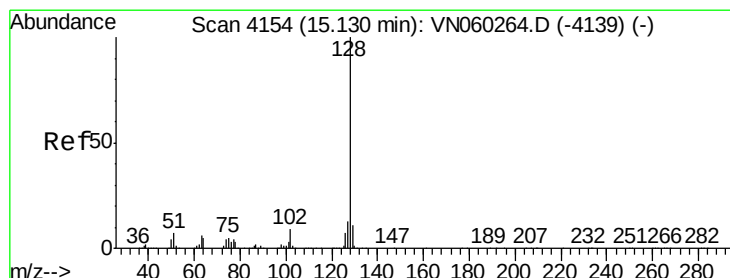
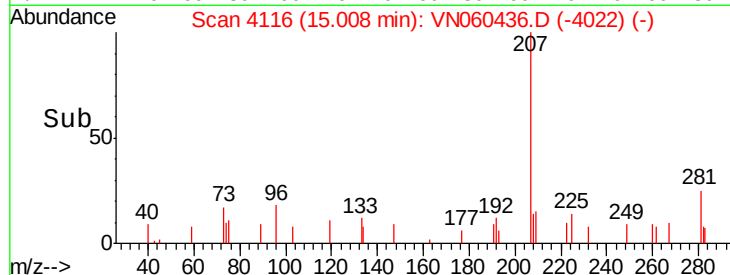
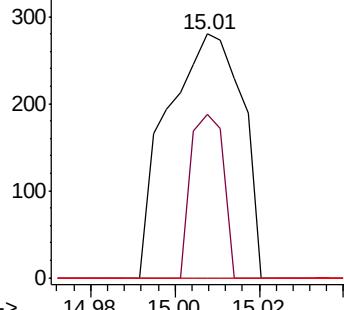
ClientSampleId :

VN0311MBL01

Tgt Ion:	225	Resp:	345
Ion Ratio	Lower	Upper	
225	100		
223	29.6	31.3	93.9#
227	0.0	32.3	96.9#



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: 0.274 ug/l

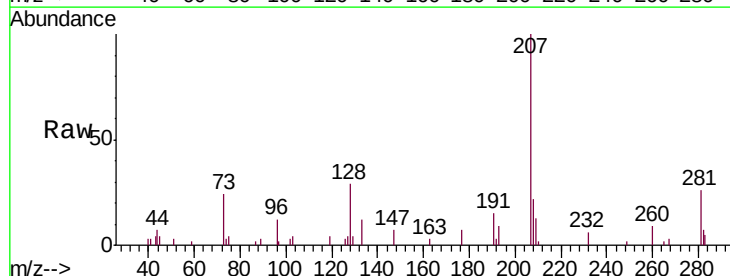
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

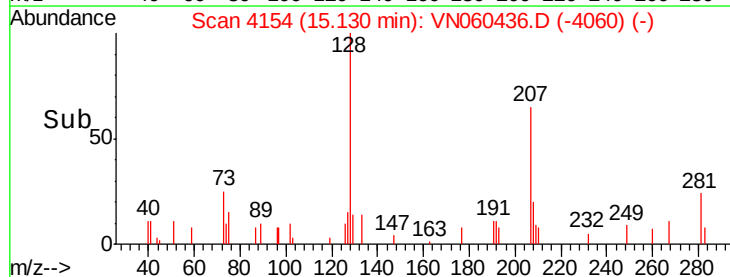
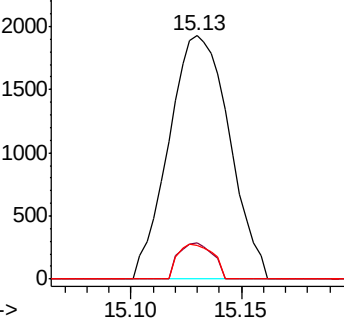
Lab File: VN060436.D

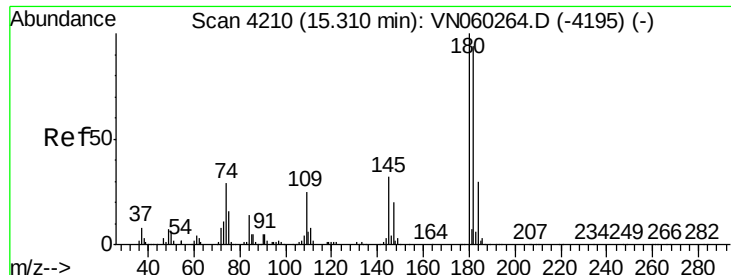
Acq: 11 Mar 2020 9:33

Tgt Ion:	128	Resp:	3662
Ion Ratio	Lower	Upper	
128	100		
127	8.4	10.4	15.6#
129	8.4	8.6	13.0#



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: 0.377 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN060436.D
 Acq: 11 Mar 2020 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.3	142.0
145	22.1	16.2	48.5

