

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060272.D
 Acq On : 28 Feb 2020 10:09
 Operator : JC/MD
 Sample : VN0228MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:33:31 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

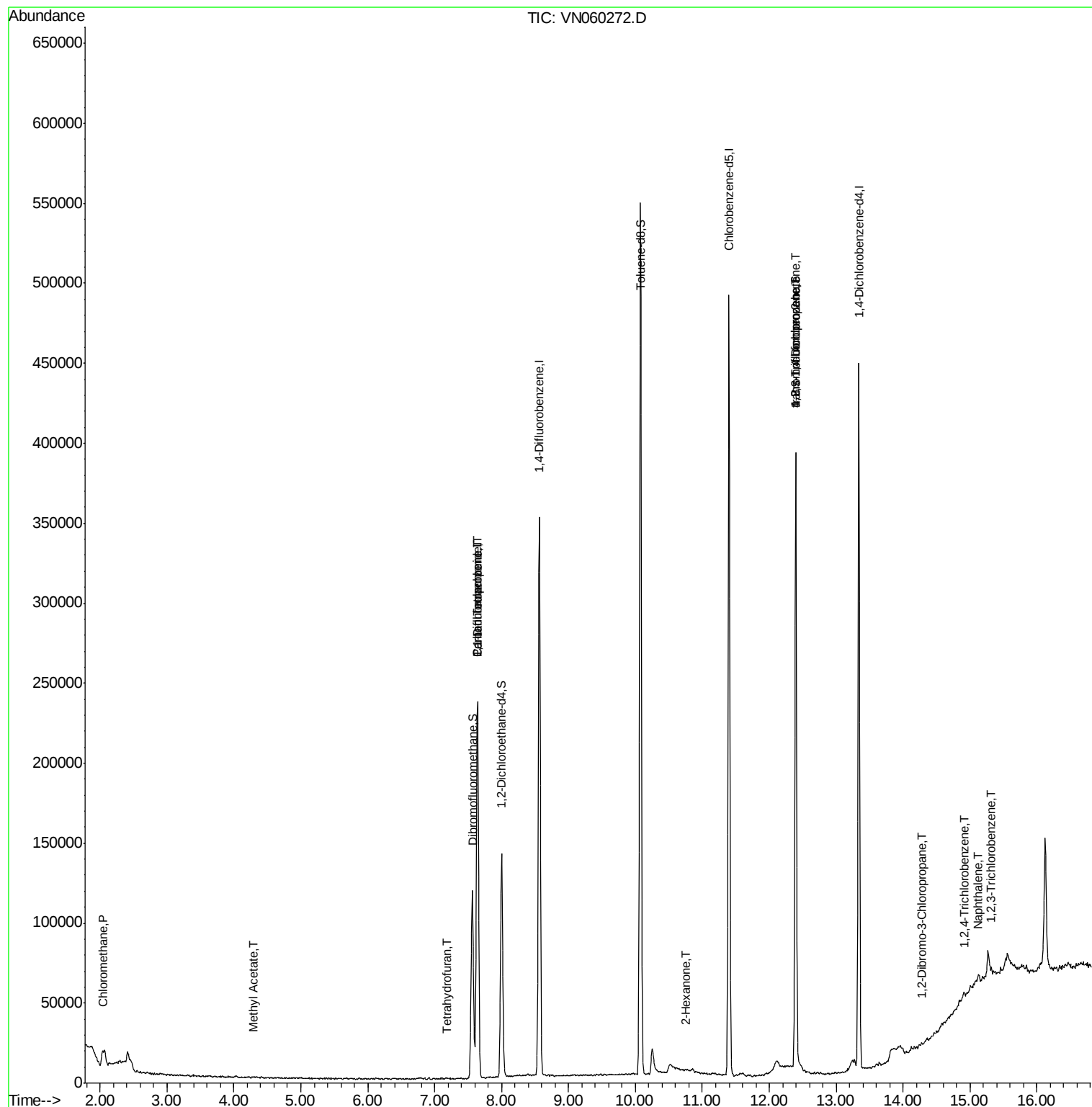
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	313270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	121316	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.56	113	89936	61.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.70%	
50) Toluene-d8	10.08	98	374272	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	131895	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1503	0.481	ug/l	94
5) Bromomethane	2.55	94	60	Below Cal	#	65
12) 1,1-Dichloroethene	3.68	96	94	Below Cal	#	1
17) Carbon Disulfide	4.02	76	1245	Below Cal	#	75
18) Methyl Acetate	4.29	43	878	0.324	ug/l #	66
21) trans-1,2-Dichloroethene	5.02	96	367	Below Cal	#	1
29) Tetrahydrofuran	7.18	42	203	0.223	ug/l #	33
31) Cyclohexane	7.64	56	4053	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15043	5.038	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18899	6.502	ug/l #	16
59) 2-Hexanone	10.74	43	827	0.401	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	67876	26.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	67876	73.750	ug/l #	8
88) 1,4-Dichlorobenzene	13.27	146	860	Below Cal		82
92) 1,2-Dibromo-3-Chloropropan	14.27	75	176	0.333	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	1387	0.679	ug/l	80
94) Hexachlorobutadiene	15.01	225	323	Below Cal	#	57
95) Naphthalene	15.13	128	4470	0.378	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	1747	0.612	ug/l #	80

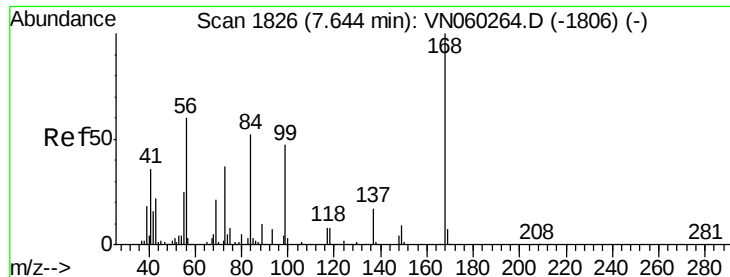
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060272.D

Acq: 28 Feb 2020 10:09

Instrument :

MSVOA_N

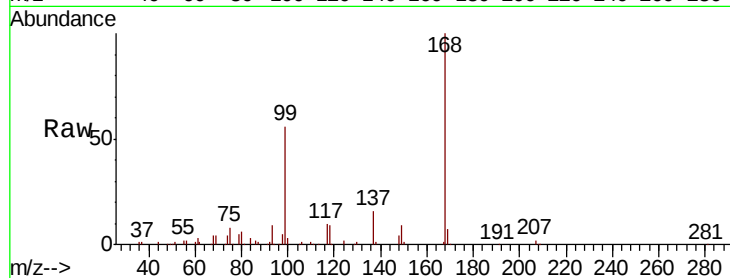
ClientSampled :

Tot Ion:168 Resp: 195698

Ion Ratio Lower Upper

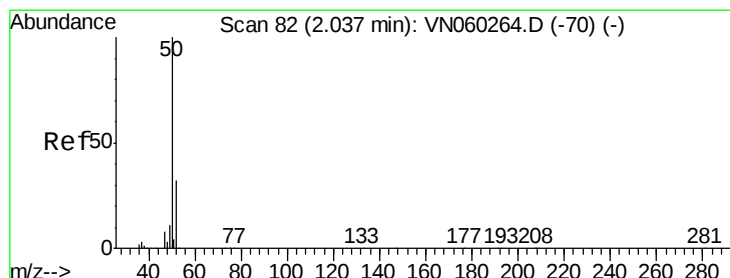
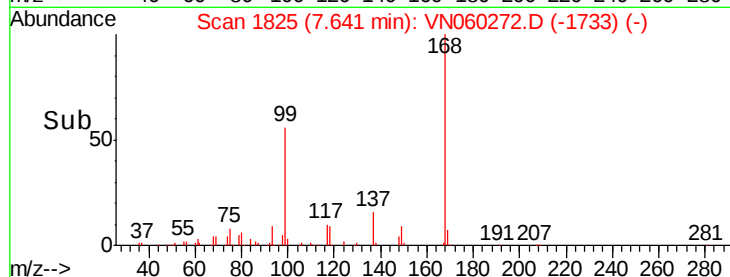
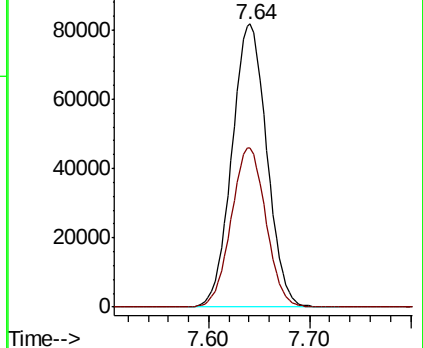
168 100

99 56.3 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: 0.481 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060272.D

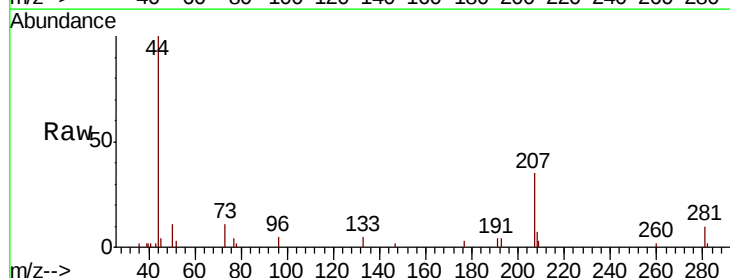
Acq: 28 Feb 2020 10:09

Tgt Ion: 50 Resp: 1503

Ion Ratio Lower Upper

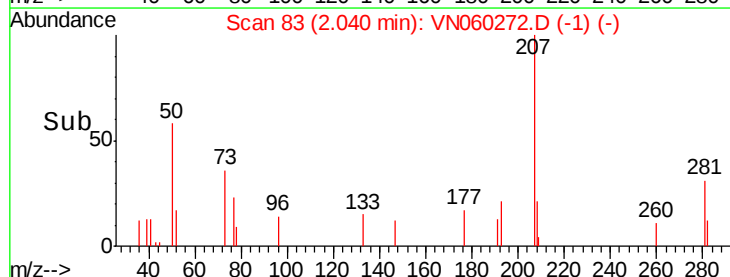
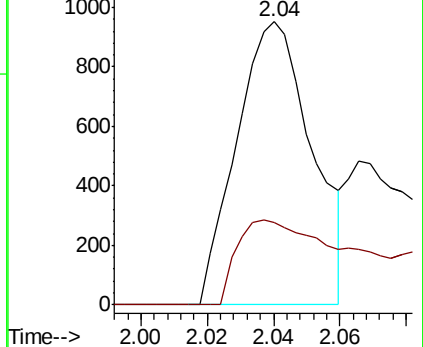
50 100

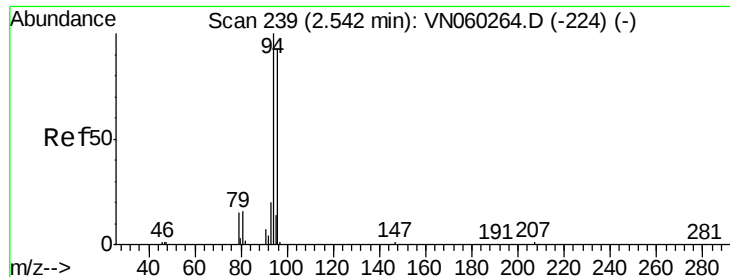
52 28.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN060272.D

Acq: 28 Feb 2020 10:09

Instrument :

MSVOA_N

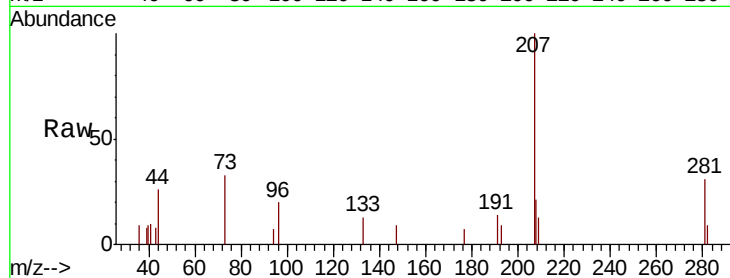
ClientSampled :

Tot Ion: 94 Resp: 60

Ion Ratio Lower Upper

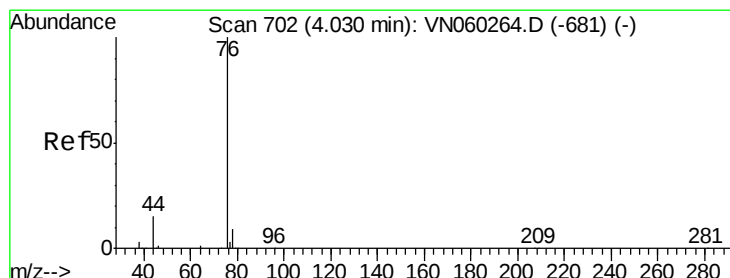
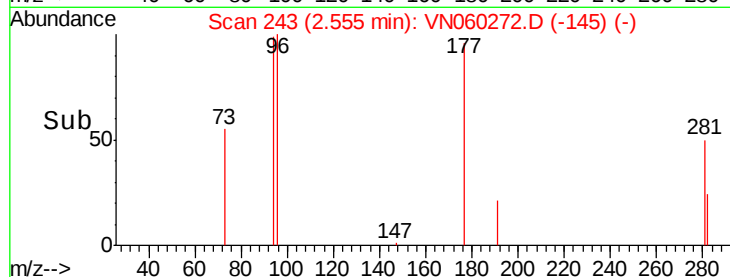
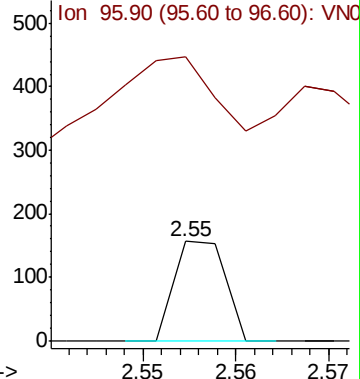
94 100

96 59.6 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060272.D

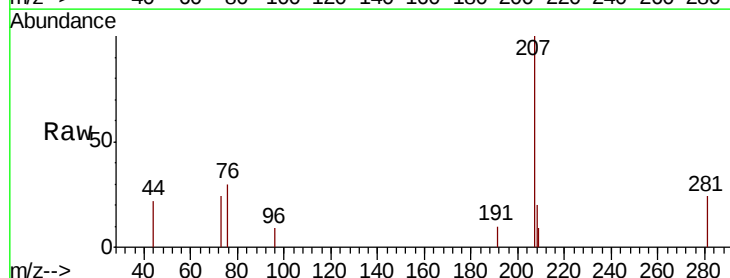
Acq: 28 Feb 2020 10:09

Tgt Ion: 76 Resp: 1245

Ion Ratio Lower Upper

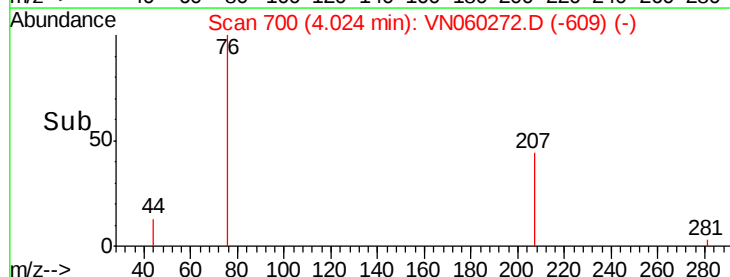
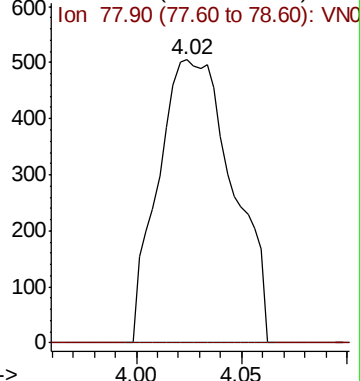
76 100

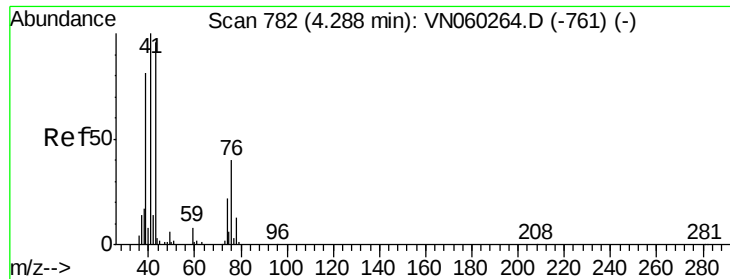
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

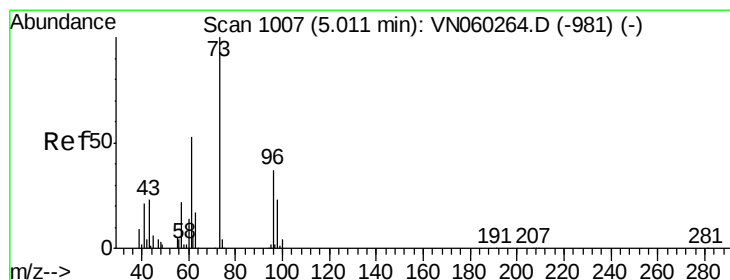
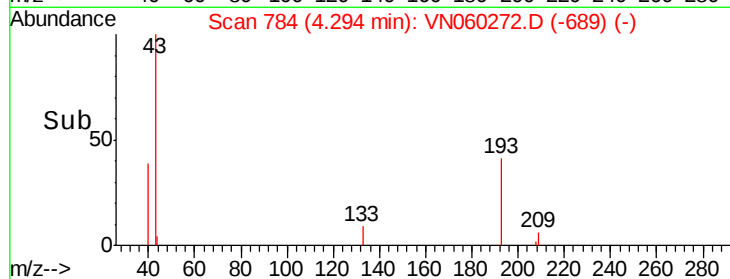
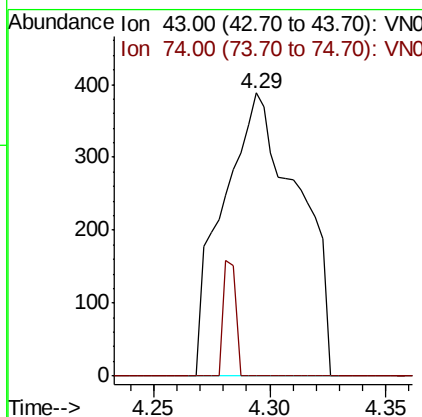
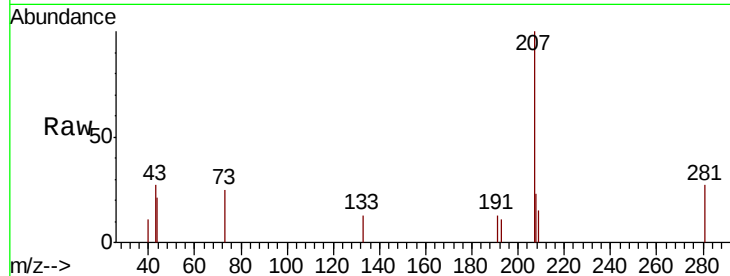




#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

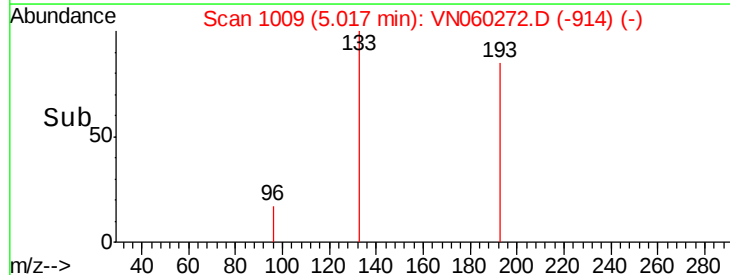
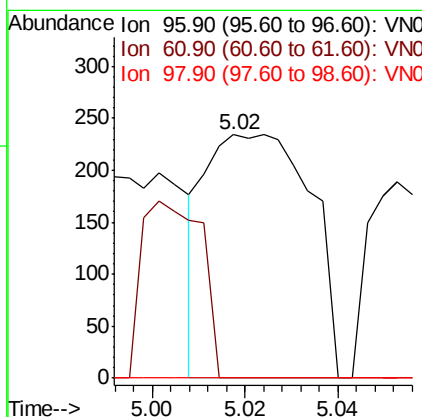
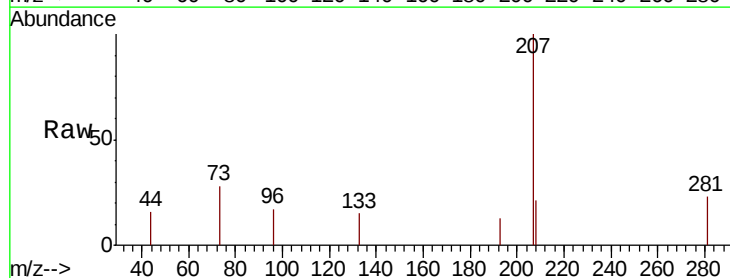
Instrument :
MSVOA_N
ClientSampled :

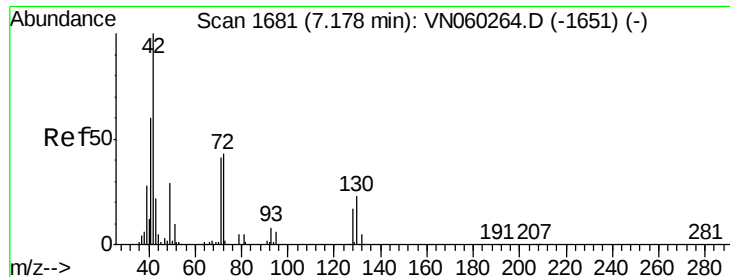
Tot Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
74 6.8 18.8 28.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Tgt Ion: 96 Resp: 367
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#

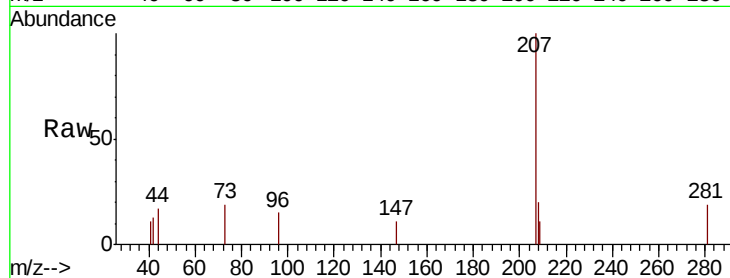




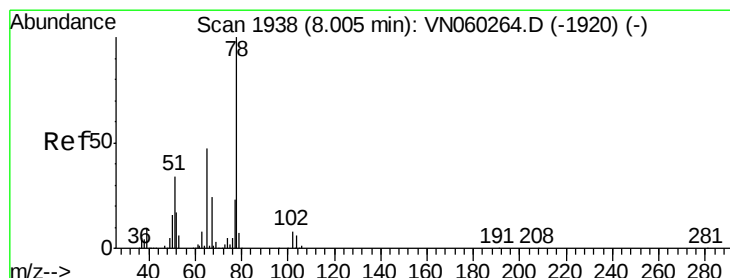
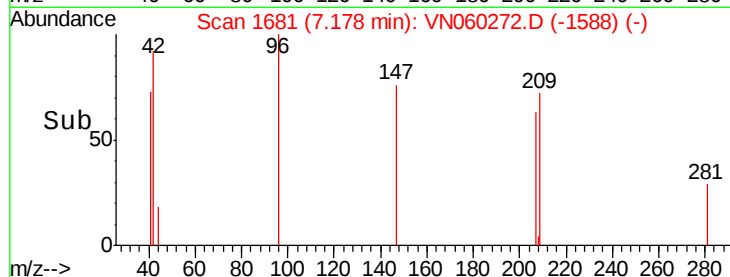
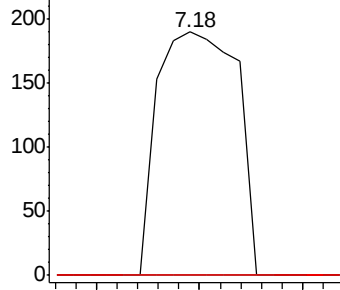
#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 203
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 32.9 49.3#

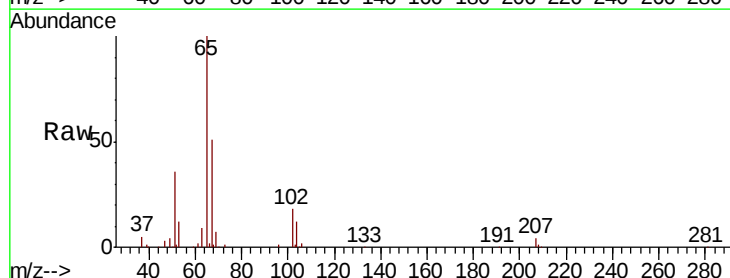


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

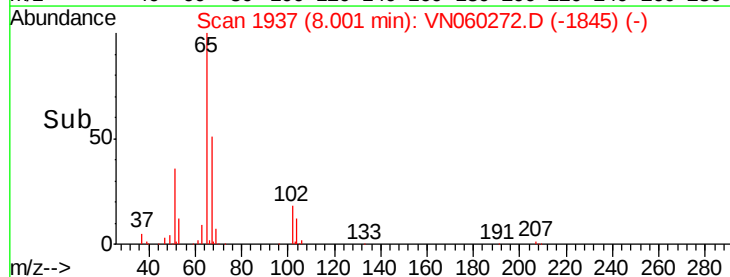
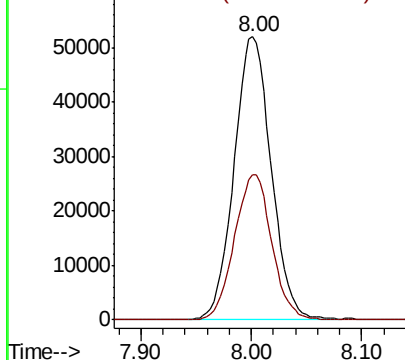


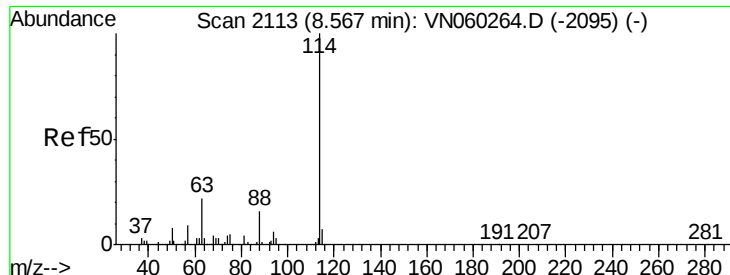
#33
1,2-Dichloroethane-d4
Concen: 48.317 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Tgt Ion: 65 Resp: 121316
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8



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: VN060272.D

Acq: 28 Feb 2020 10:09

Instrument :

MSVOA_N

ClientSampleId :

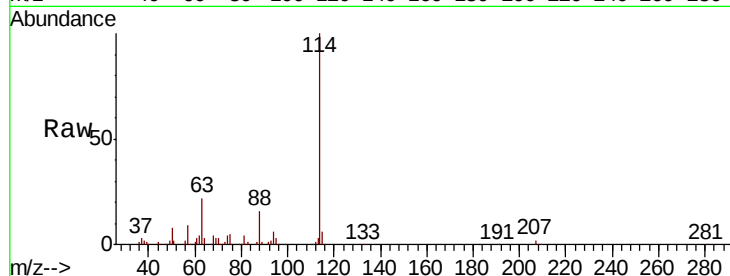
Tot Ion:114 Resp: 313270

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

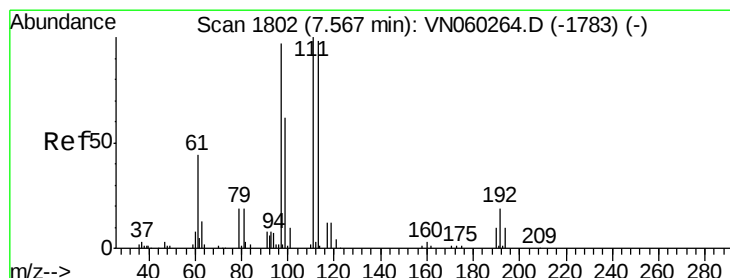
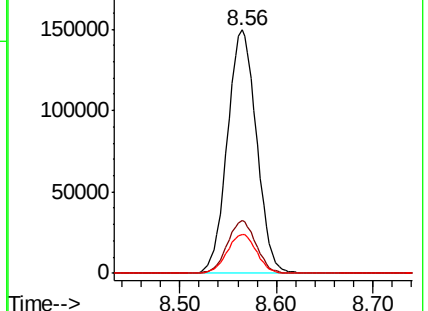
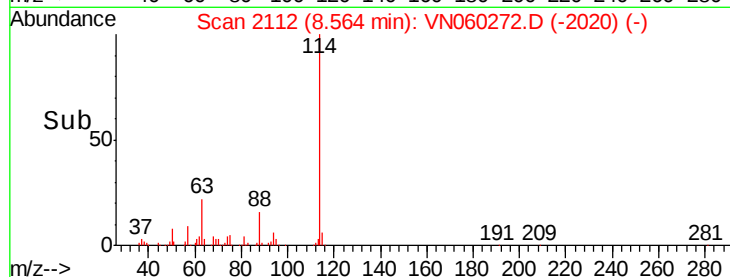
88 16.0 0.0 31.6



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: 61.850 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060272.D

Acq: 28 Feb 2020 10:09

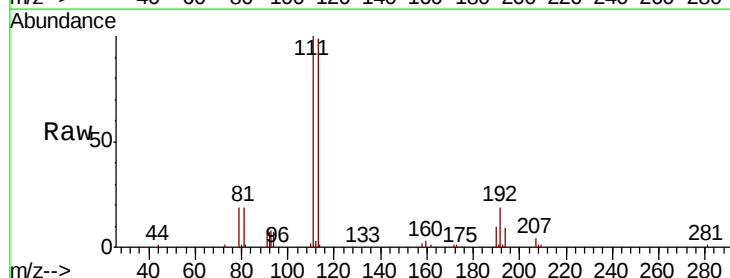
Tgt Ion:113 Resp: 89936

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

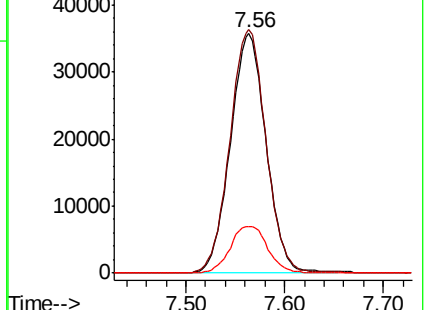
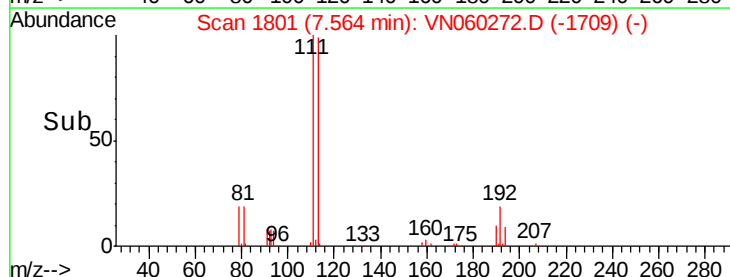
192 20.4 16.2 24.2

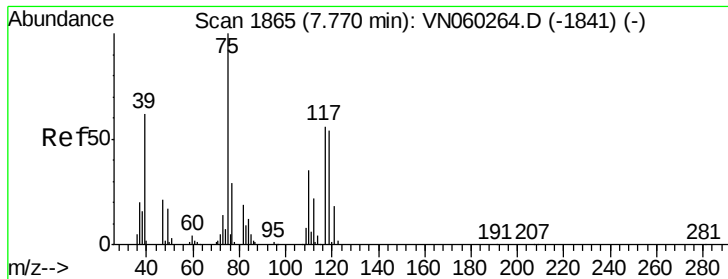


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

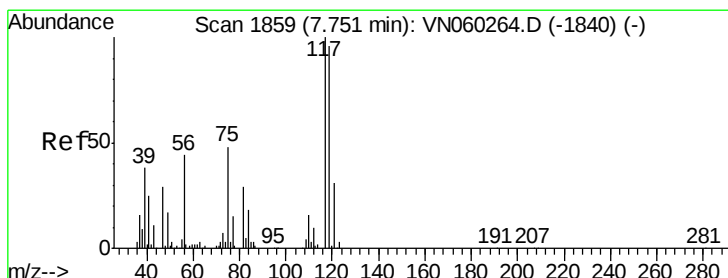
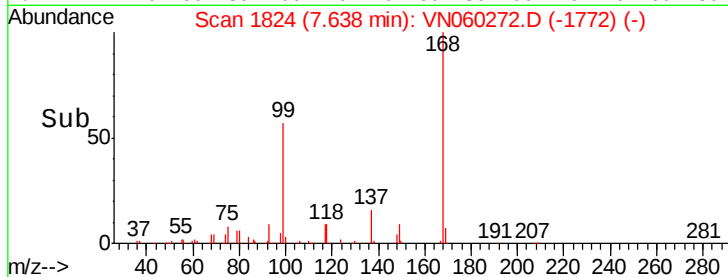
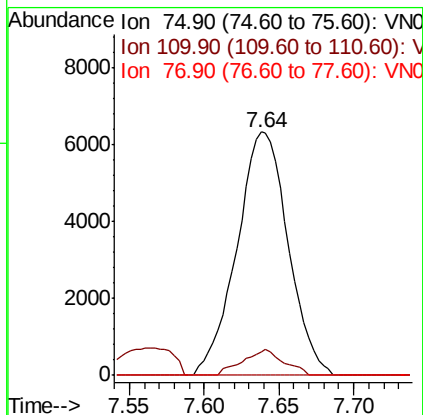
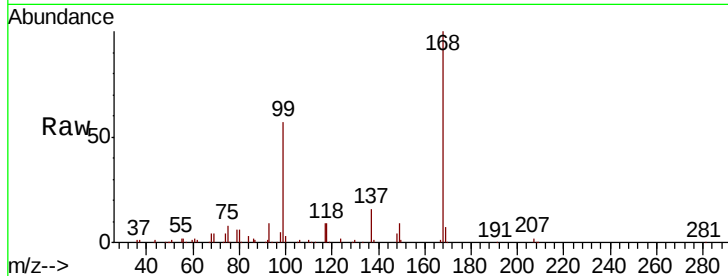




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060272.D
 Acq: 28 Feb 2020 10:09

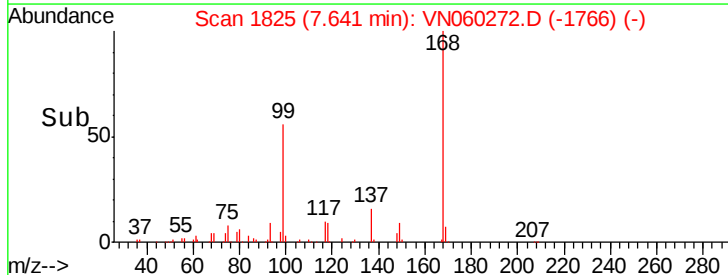
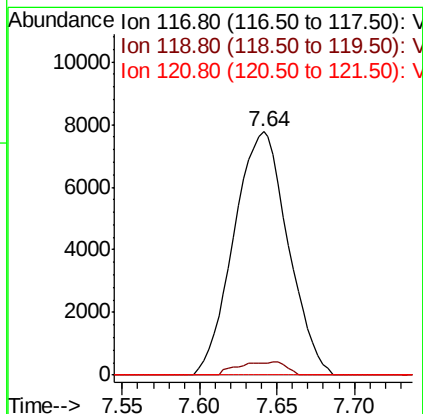
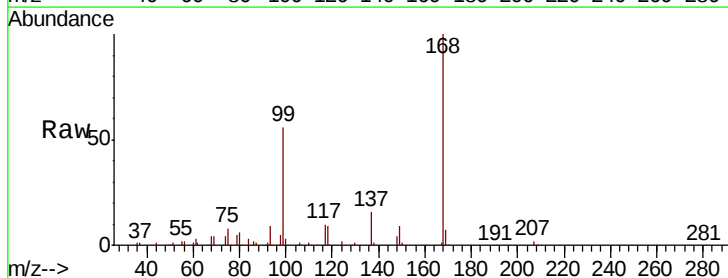
Instrument :
 MSVOA_N
 ClientSampleId :

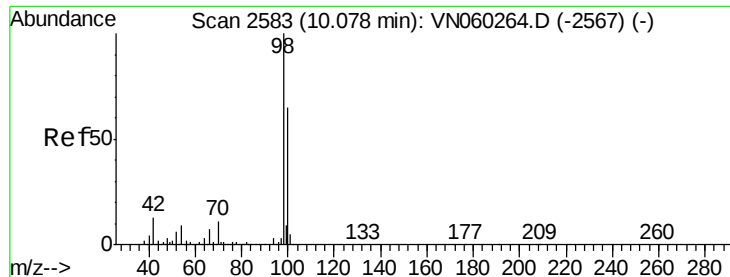
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.502 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060272.D
 Acq: 28 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 50.856 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060272.D

Acq: 28 Feb 2020 10:09

Instrument :

MSVOA_N

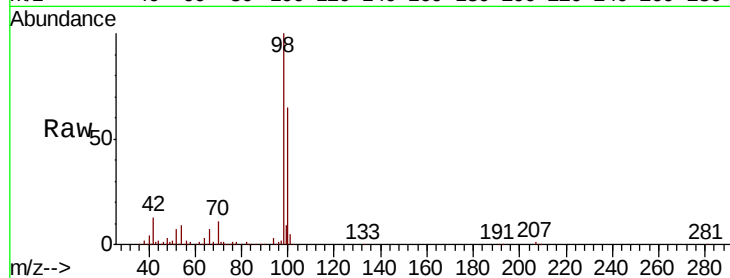
ClientSampleId :

Tot Ion: 98 Resp: 374272

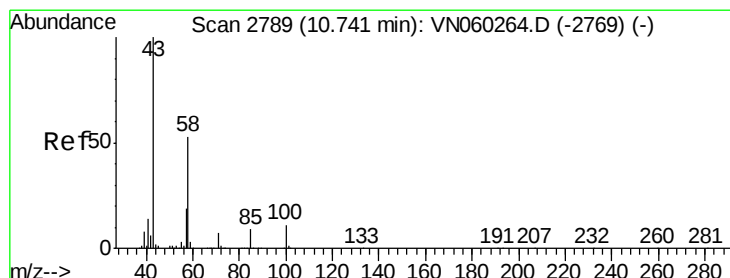
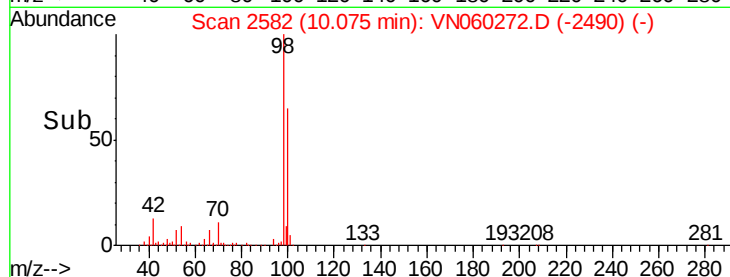
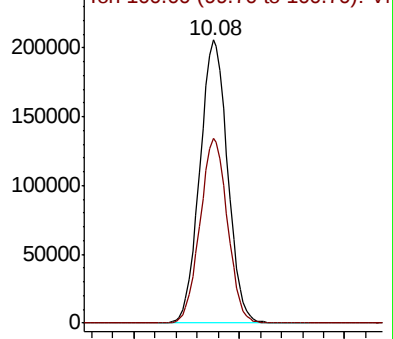
Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



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



#59

2-Hexanone

Concen: 0.401 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060272.D

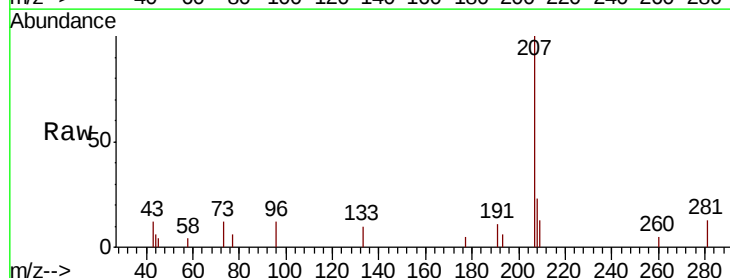
Acq: 28 Feb 2020 10:09

Tgt Ion: 43 Resp: 827

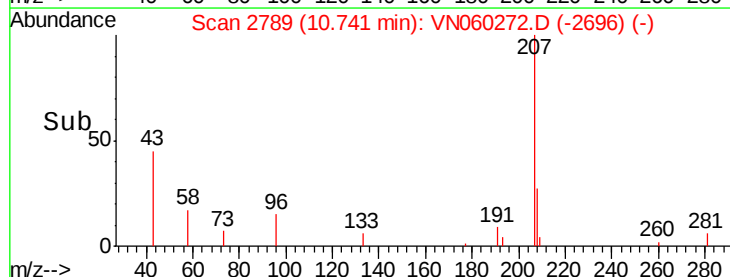
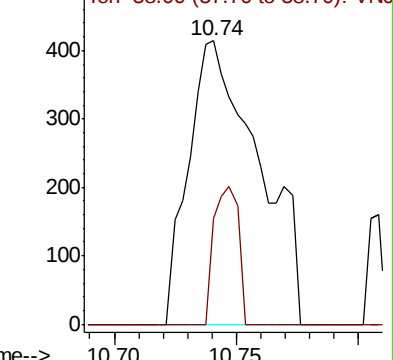
Ion Ratio Lower Upper

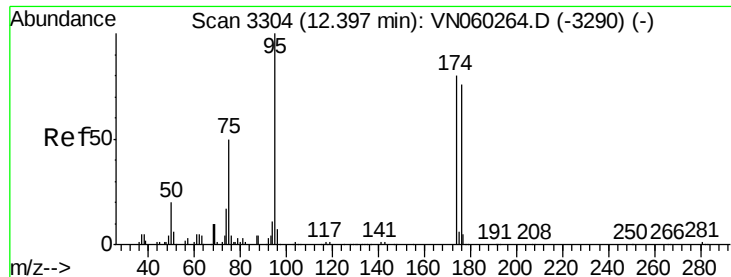
43 100

58 16.7 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2769) (-)

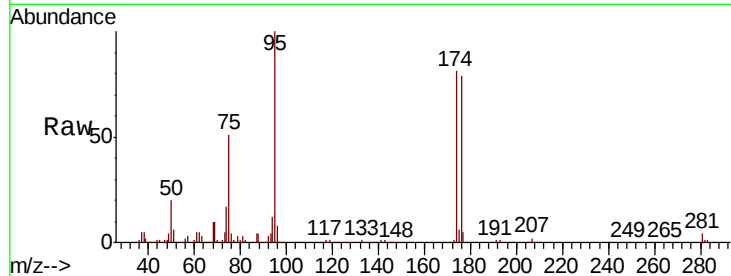




#62
4-Bromofluorobenzene
Concen: 47.278 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

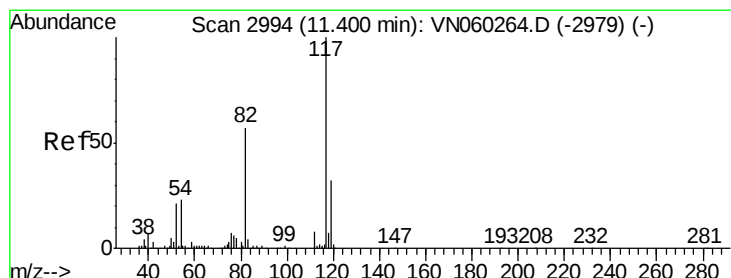
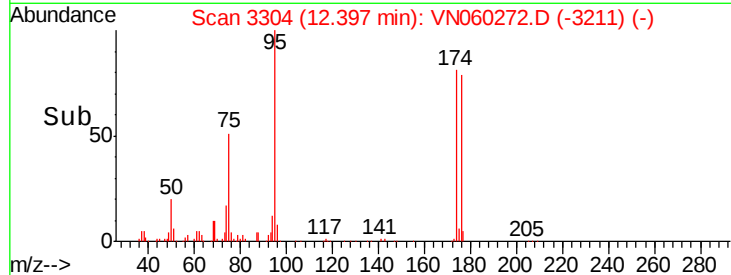
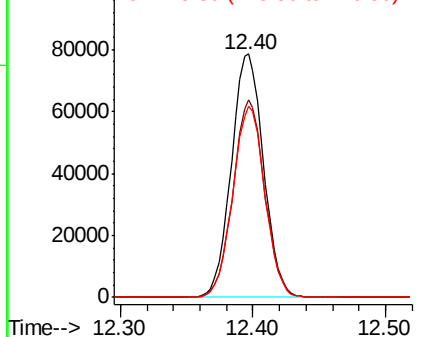
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	159.2
176	78.3	0.0	153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060272.D (-3211) (-)

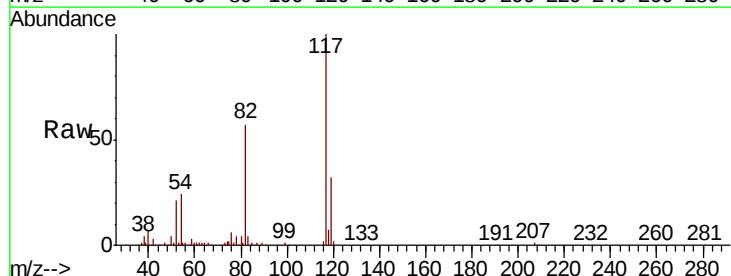
Ion 173.80 (173.50 to 174.50): VN060272.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060272.D (-3211) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

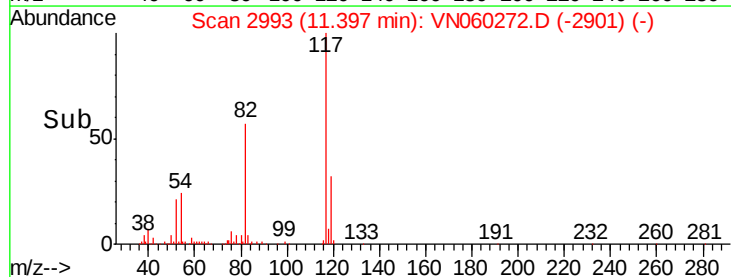
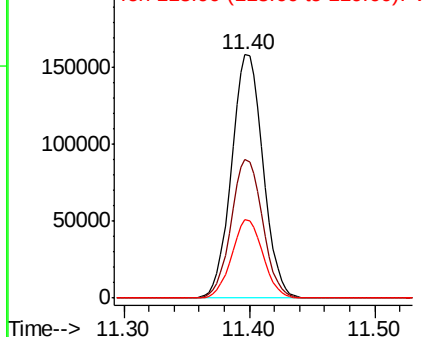
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.6
119	32.1	25.8	38.8

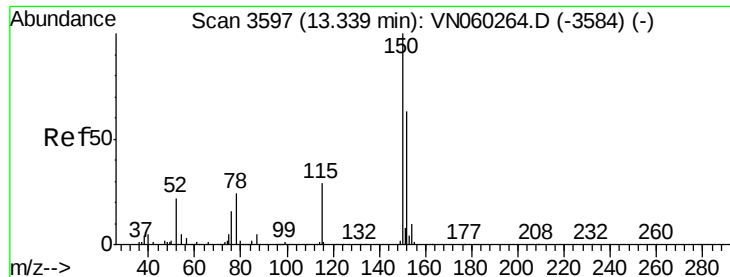


Abundance Ion 116.90 (116.60 to 117.60): VN060272.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060272.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060272.D (-2901) (-)



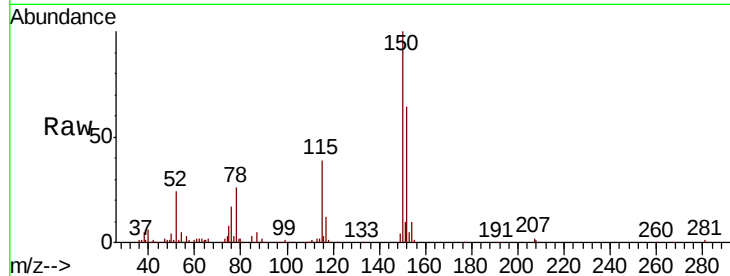


#72

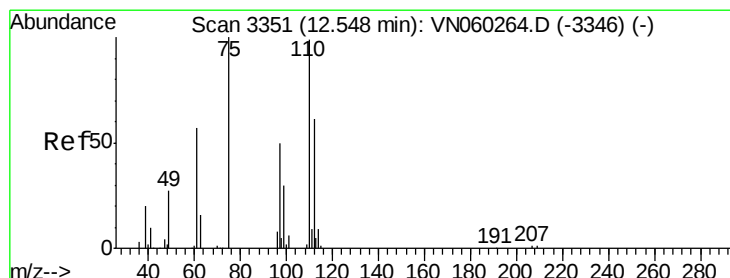
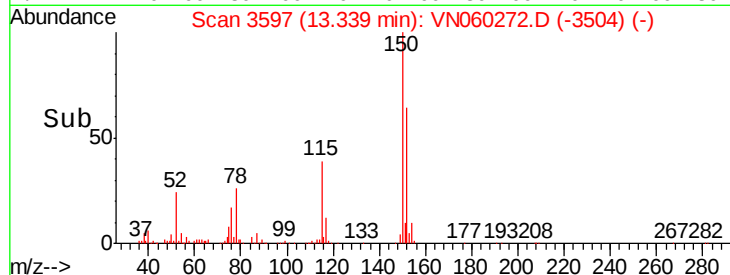
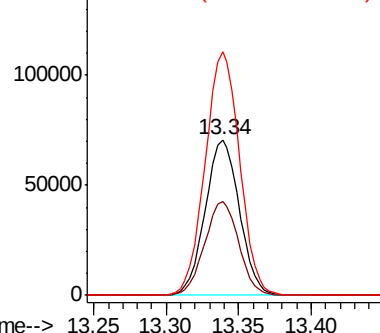
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.0	90.0
150	157.7	0.0	349.6



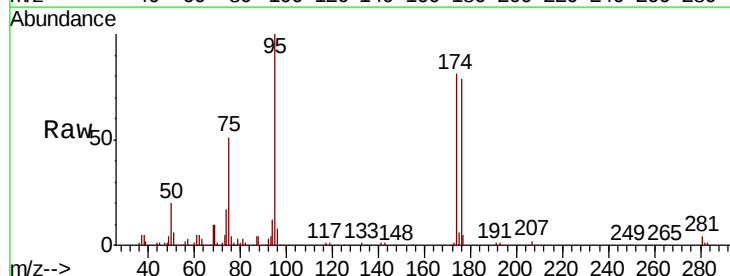
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



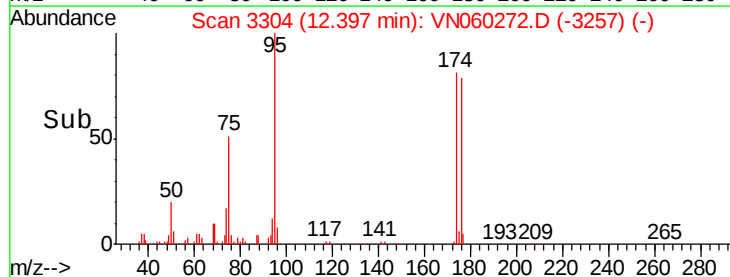
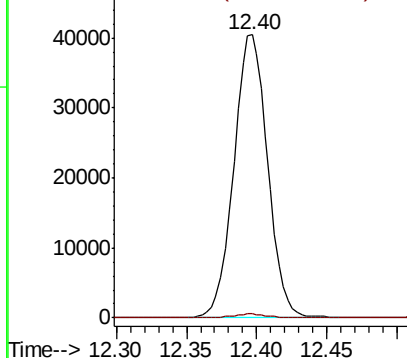
#76

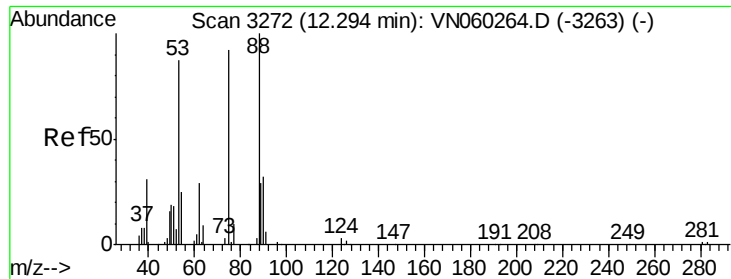
1,2,3-Trichloropropane
Concen: 26.717 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 73.750 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060272.D

Acq: 28 Feb 2020 10:09

Instrument :

MSVOA_N

ClientSampled :

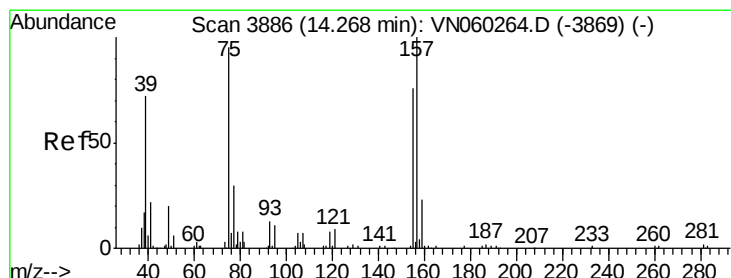
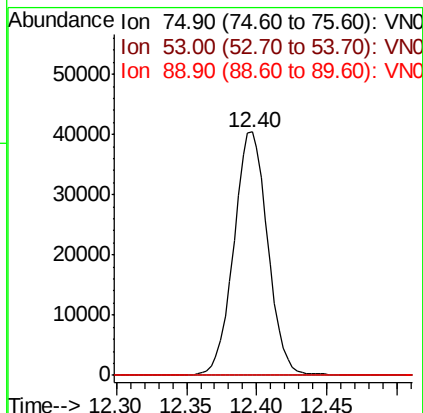
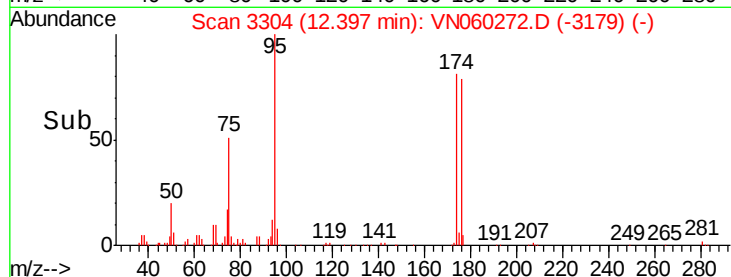
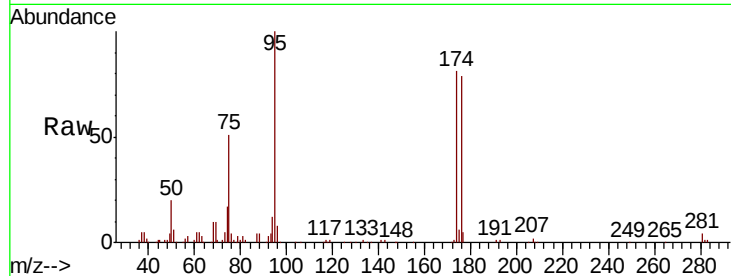
Tot Ion: 75 Resp: 67876

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.333 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN060272.D

Acq: 28 Feb 2020 10:09

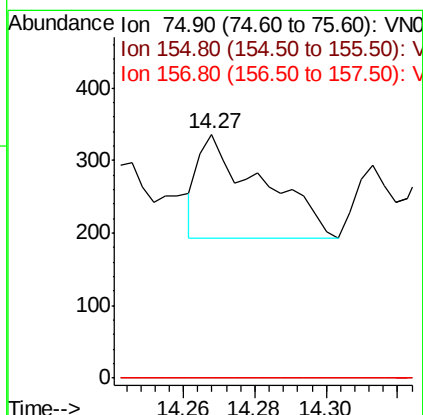
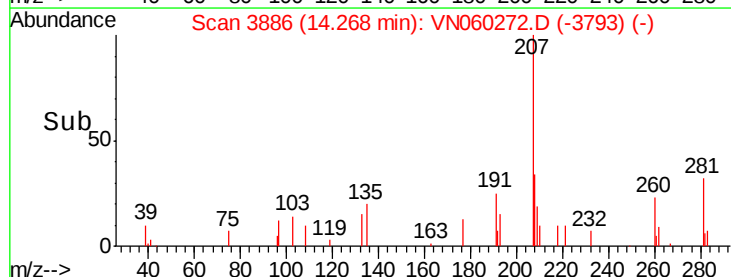
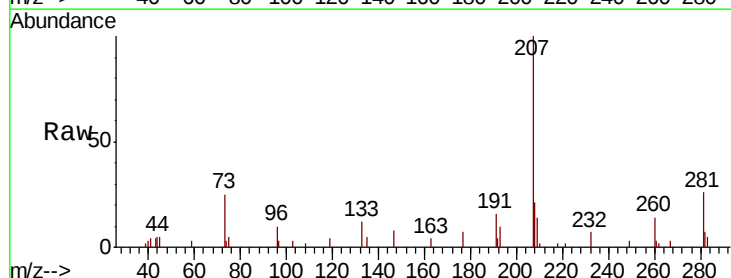
Tgt Ion: 75 Resp: 176

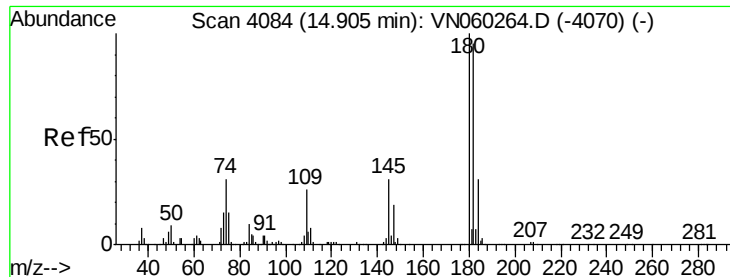
Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

157 0.0 52.5 157.5#

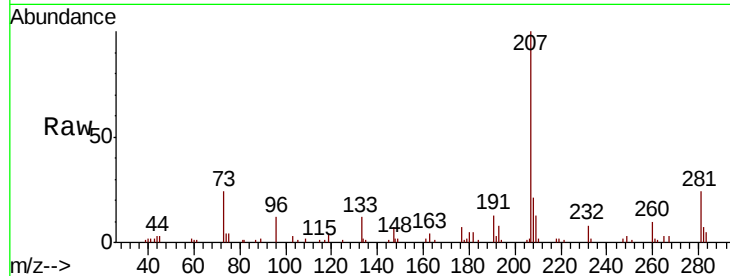




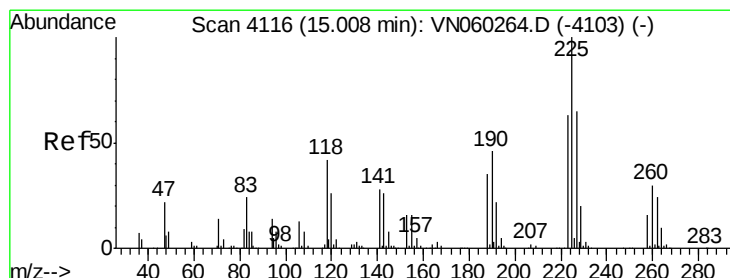
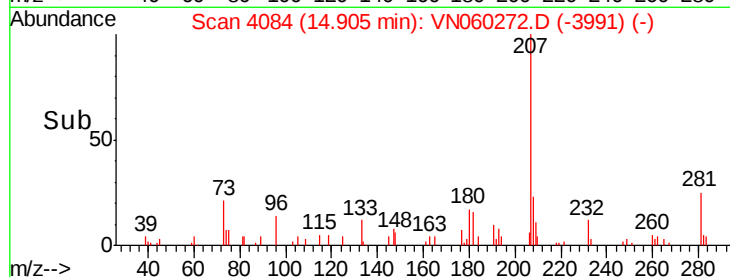
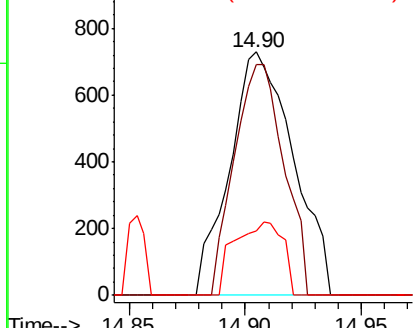
#93
 1,2,4-Trichlorobenzene
 Concen: 0.679 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060272.D
 Acq: 28 Feb 2020 10:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1387
 Ion Ratio Lower Upper
 180 100
 182 74.3 47.8 143.3
 145 22.9 15.4 46.1

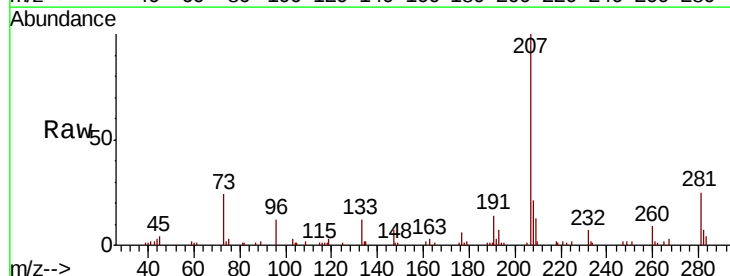


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

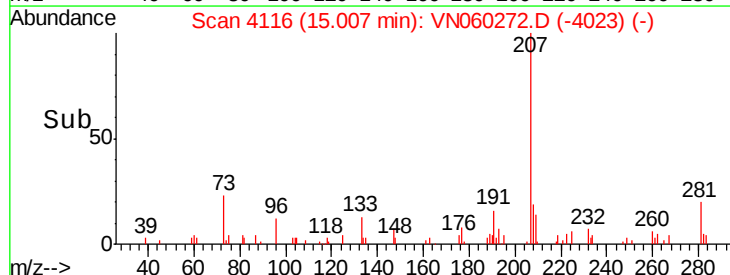
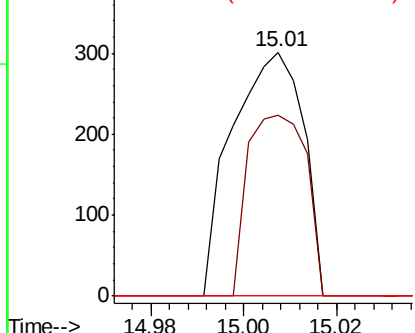


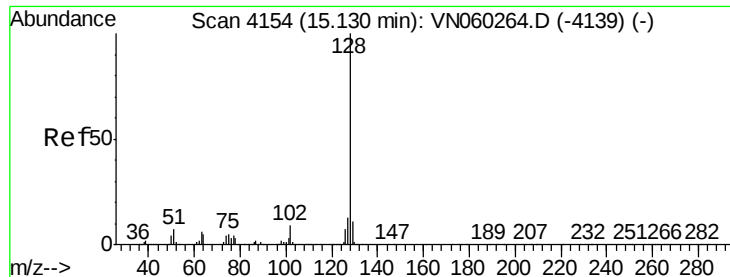
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060272.D
 Acq: 28 Feb 2020 10:09

Tgt Ion:225 Resp: 323
 Ion Ratio Lower Upper
 225 100
 223 61.0 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

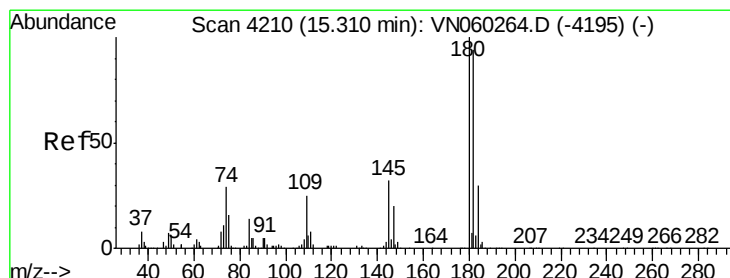
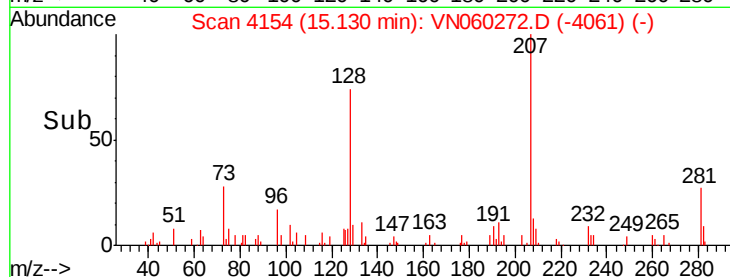
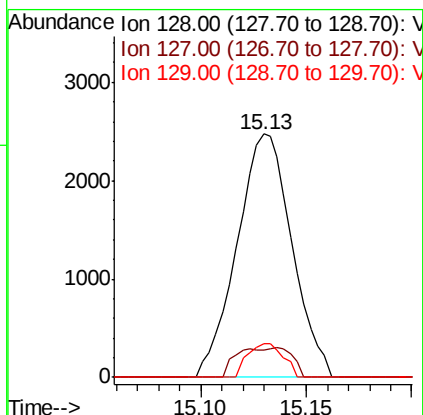
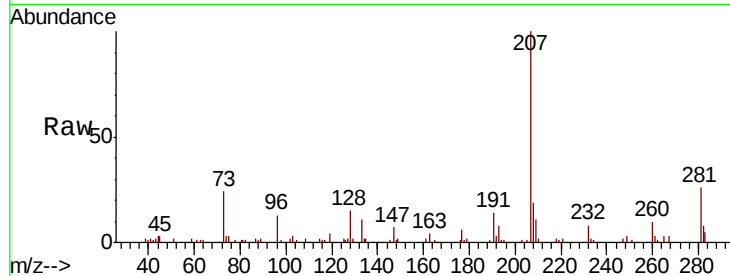




#95
Naphthalene
Concen: 0.378 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 4470
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 9.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.612 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060272.D
Acq: 28 Feb 2020 10:09

Tgt Ion:180 Resp: 1747
Ion Ratio Lower Upper
180 100
182 81.1 47.3 142.0
145 53.2 16.2 48.5#

