

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060273.D
 Acq On : 28 Feb 2020 10:31
 Operator : JC/MD
 Sample : VN0228WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:33:46 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	216089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	345547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140247	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	132884	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	7.56	113	97037	60.50	ug/l	0.00
Spiked Amount			Recovery	=	121.00%	
50) Toluene-d8	10.08	98	416062	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	152092	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

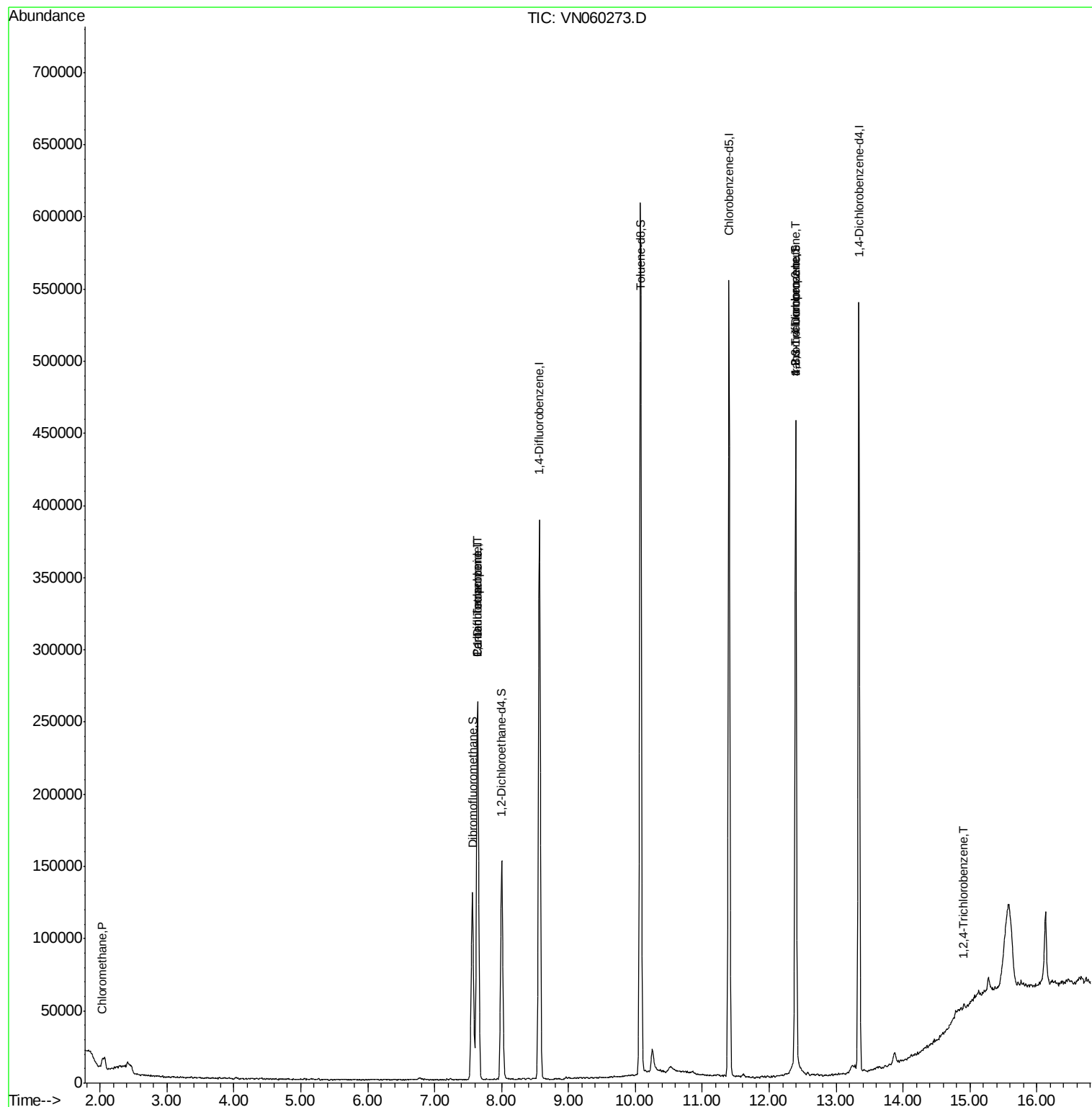
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1807	0.524	ug/l	95
5) Bromomethane	2.55	94	29	Below Cal	#	27
17) Carbon Disulfide	4.03	76	875	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.00	96	195	Below Cal	#	1
31) Cyclohexane	7.64	56	4440	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16346	4.964	ug/l #	50
38) Carbon Tetrachloride	7.64	117	20645	6.439	ug/l #	17
76) 1,2,3-Trichloropropane	12.39	75	78101	25.382	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	78101	70.066	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	765	Below Cal	#	55
88) 1,4-Dichlorobenzene	13.36	146	540	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	599	0.299	ug/l	91
95) Naphthalene	15.13	128	1983	Below Cal	#	87

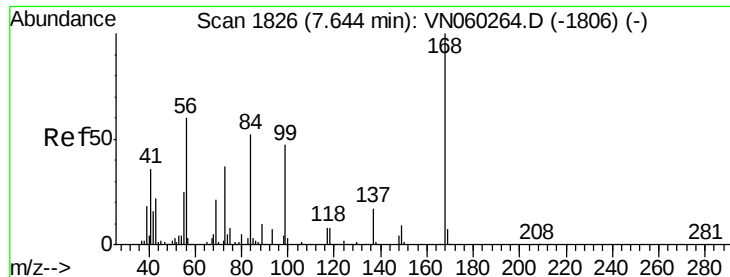
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060273.D

Acq: 28 Feb 2020 10:31

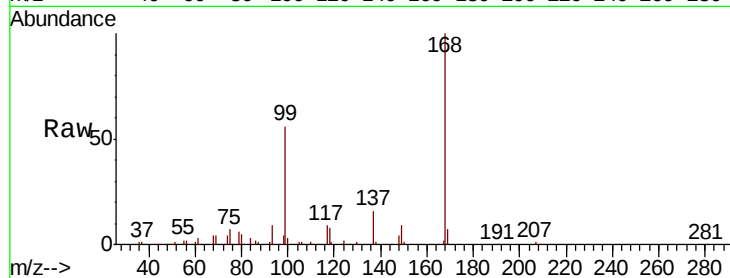
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 216089

Ion Ratio Lower Upper

168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

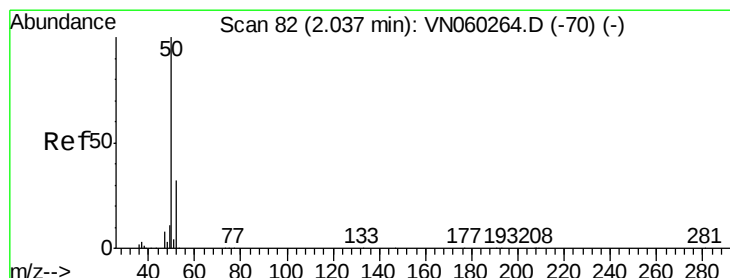
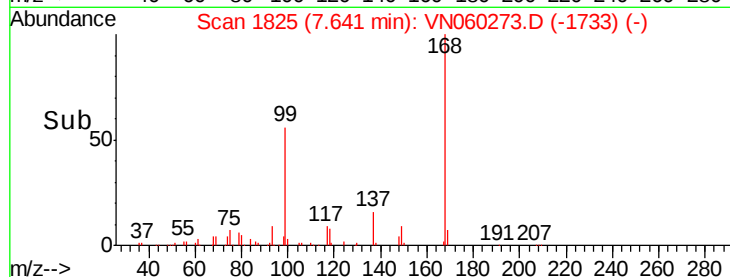
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.524 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060273.D

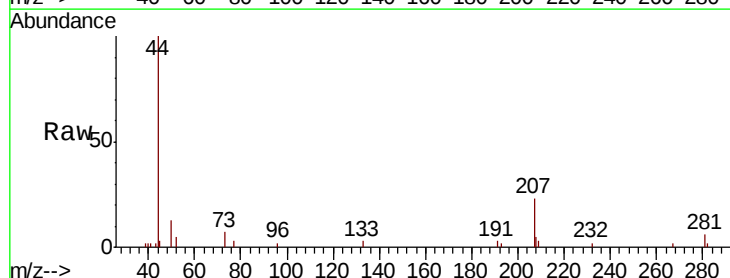
Acq: 28 Feb 2020 10:31

Tgt Ion: 50 Resp: 1807

Ion Ratio Lower Upper

50 100

52 34.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

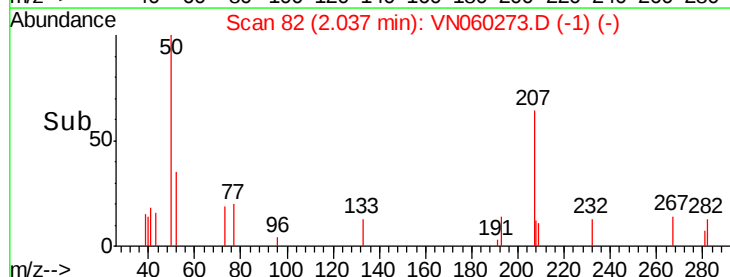
2.04

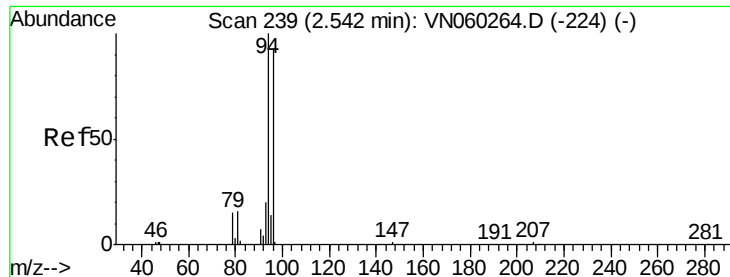
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

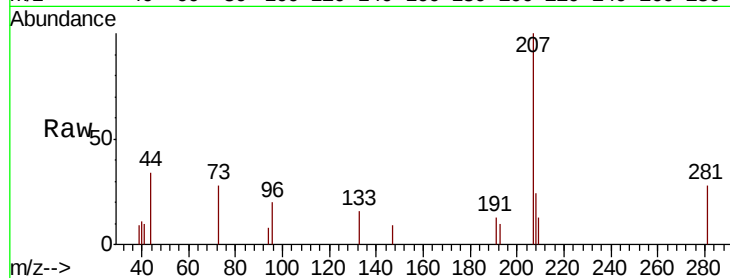
ClientSampled :

Tot Ion: 94 Resp: 29

Ion Ratio Lower Upper

94 100

96 22.5 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

500

400

300

200

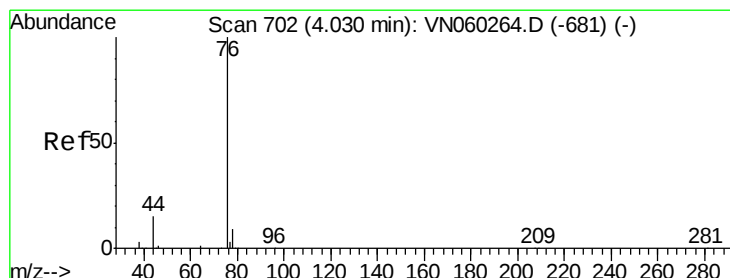
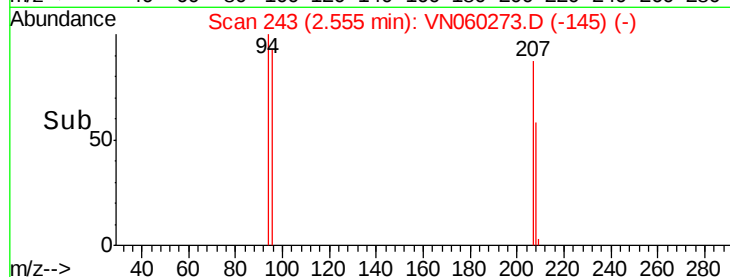
100

0

2.54 2.55 2.56 2.56 2.56

2.55

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060273.D

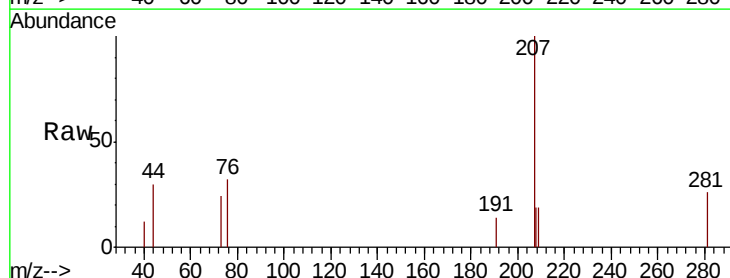
Acq: 28 Feb 2020 10:31

Tgt Ion: 76 Resp: 875

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

500

400

300

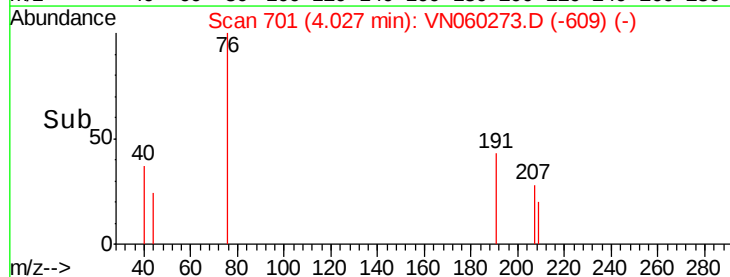
200

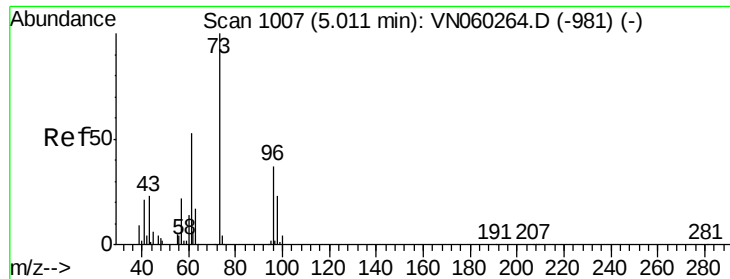
100

0

4.00 4.03 4.05

Time-->





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

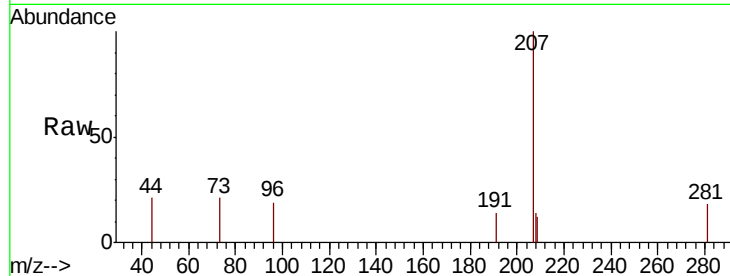
Tot Ion: 96 Resp: 195

Ion Ratio Lower Upper

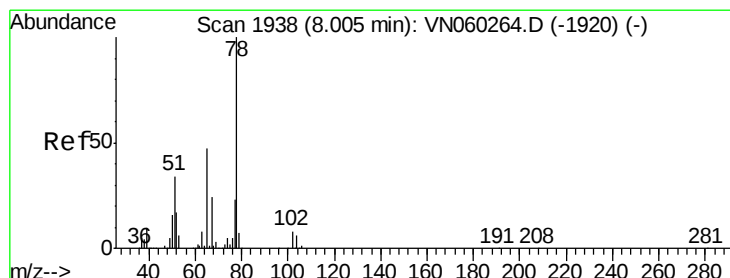
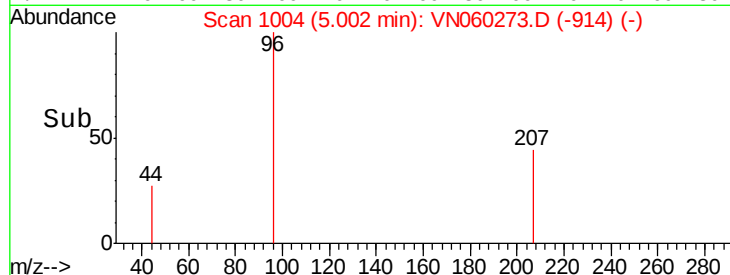
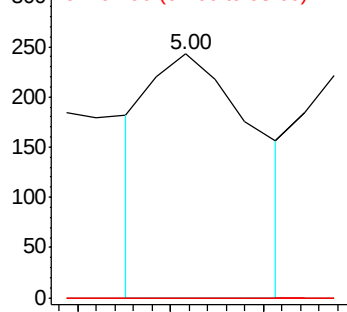
96 100

61 0.0 113.8 170.8#

98 0.0 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 47.930 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060273.D

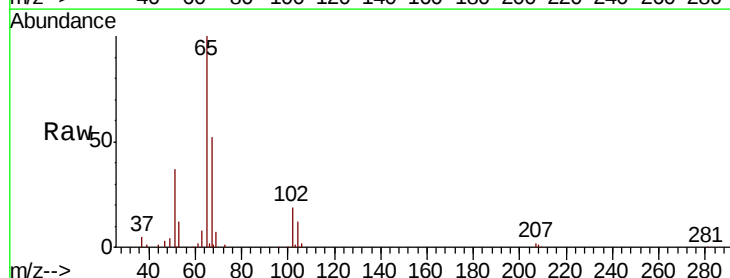
Acq: 28 Feb 2020 10:31

Tgt Ion: 65 Resp: 132884

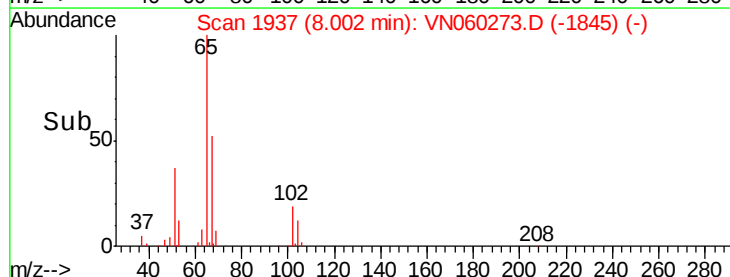
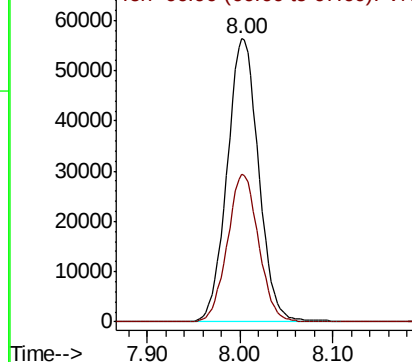
Ion Ratio Lower Upper

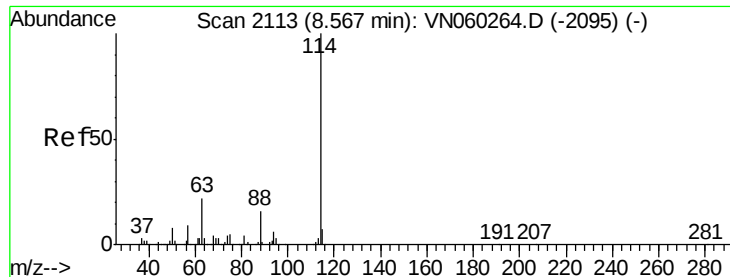
65 100

67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

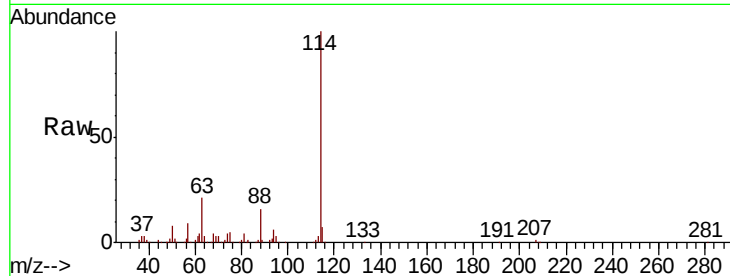
Tot Ion:114 Resp: 345547

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

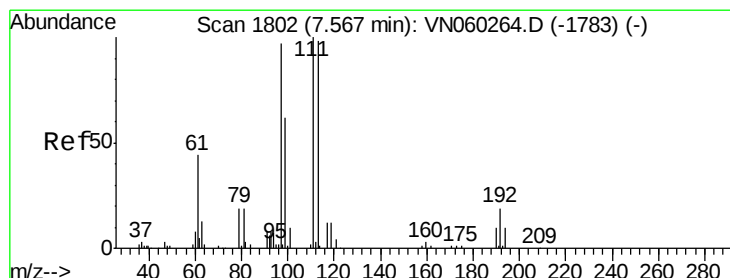
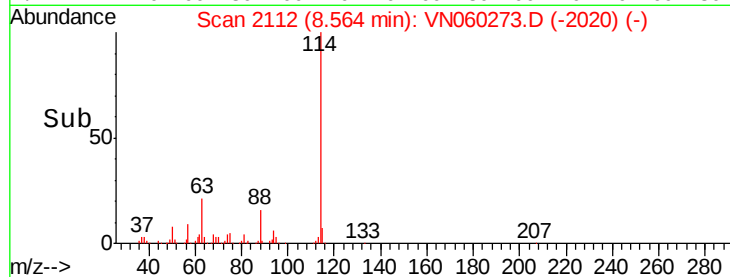
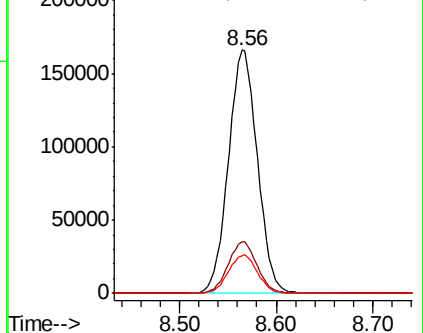
88 15.6 0.0 31.6



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: 60.500 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

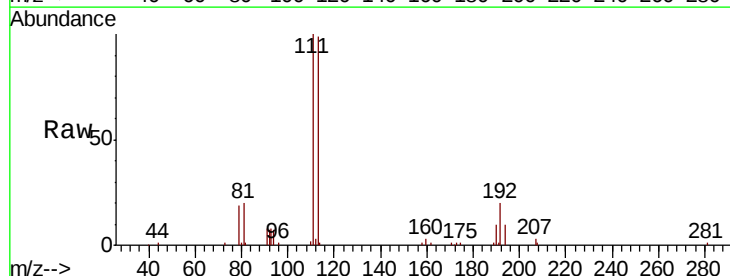
Tgt Ion:113 Resp: 97037

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

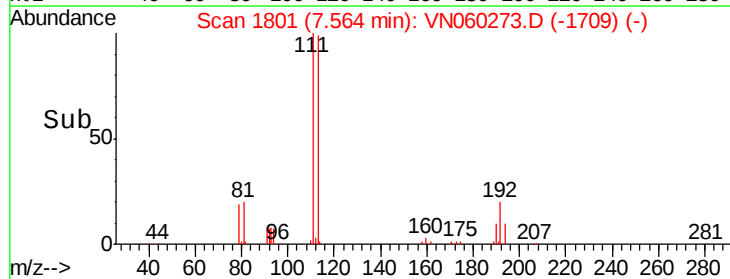
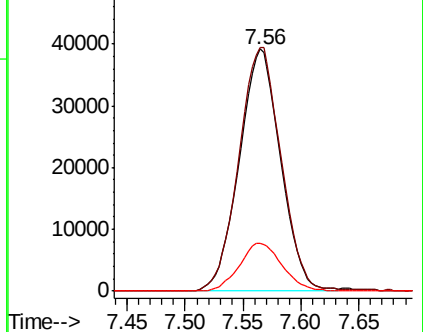
192 20.4 16.2 24.2

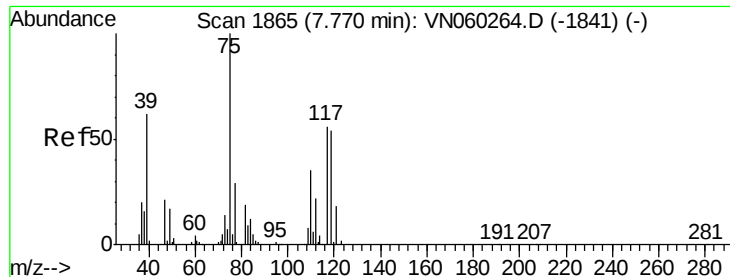


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

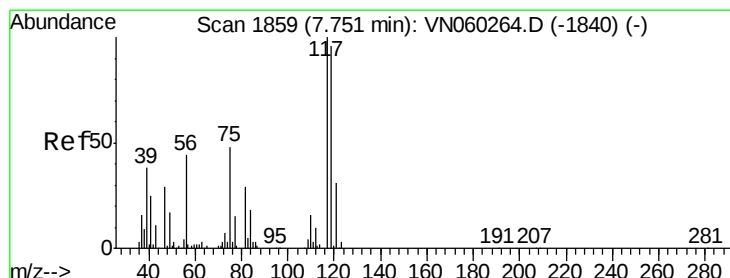
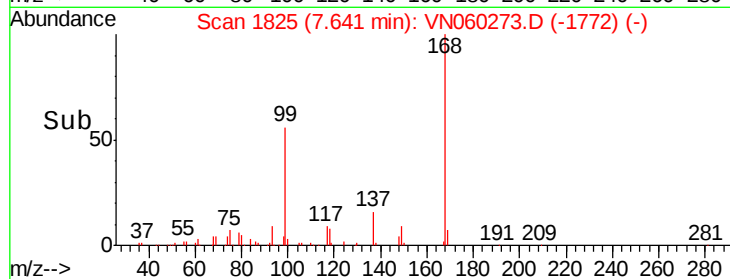
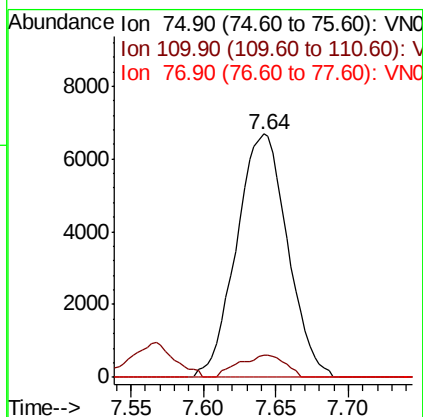
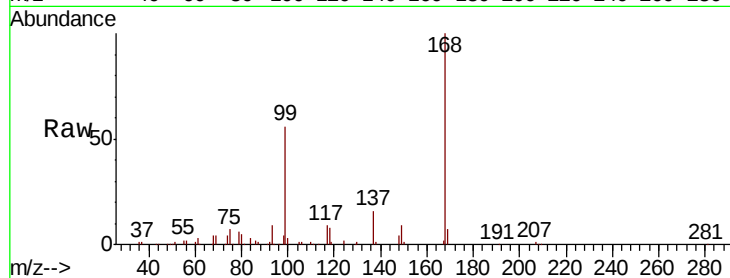




#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060273.D
 Acq: 28 Feb 2020 10:31

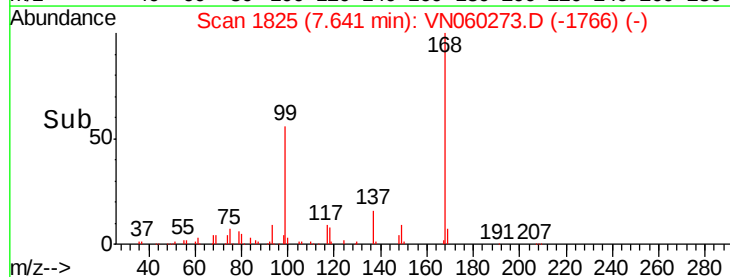
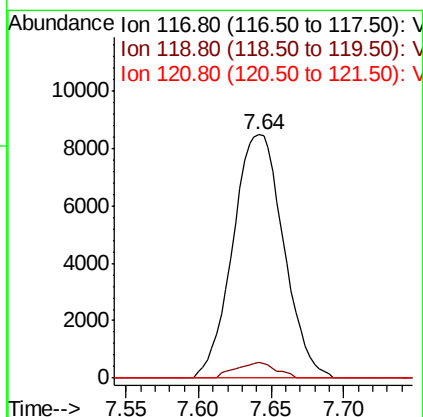
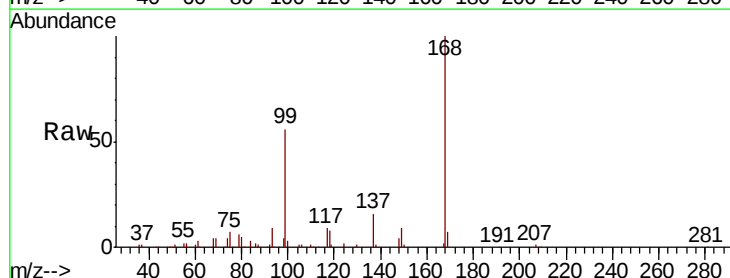
Instrument :
 MSVOA_N
 ClientSampleId :

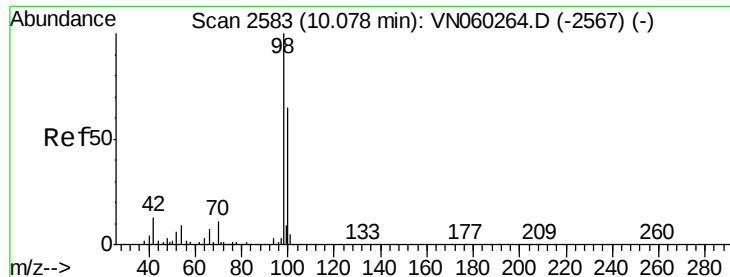
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.439 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060273.D
 Acq: 28 Feb 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.254 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

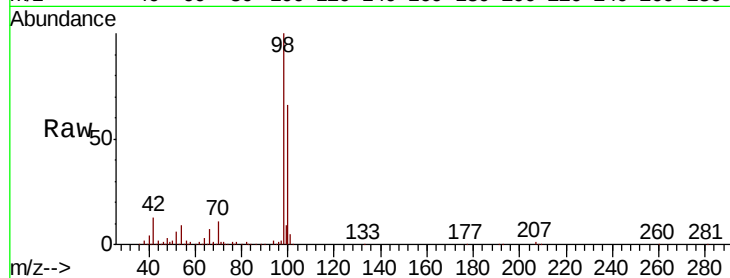
ClientSampleId :

Tot Ion: 98 Resp: 416062

Ion Ratio Lower Upper

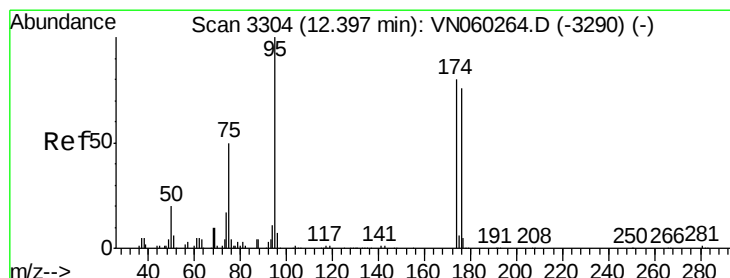
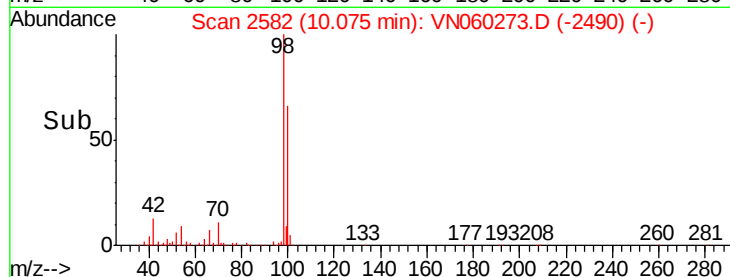
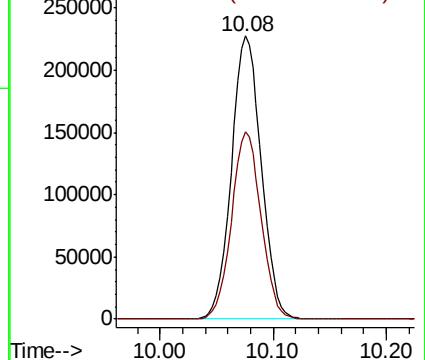
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 49.426 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

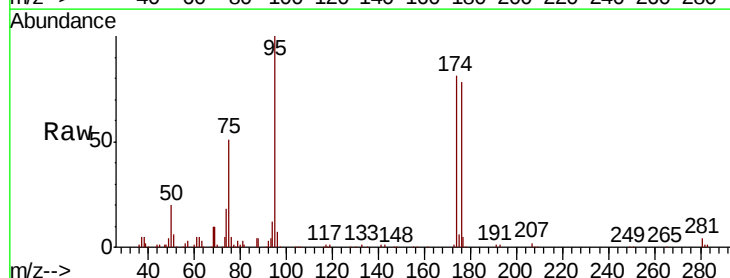
Tgt Ion: 95 Resp: 152092

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.2

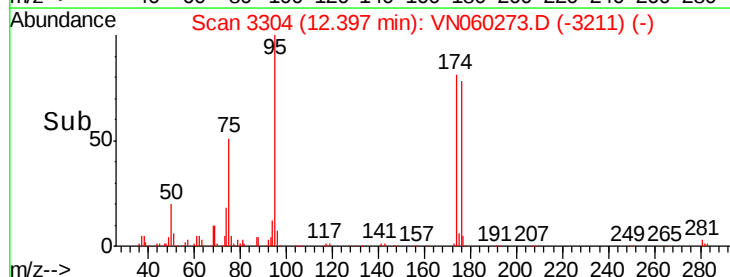
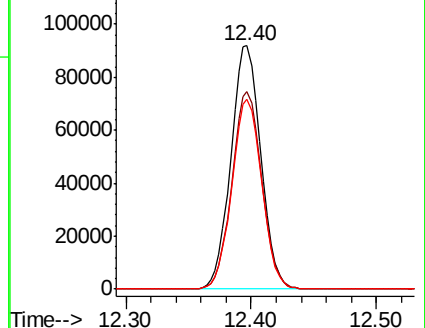
176 78.0 0.0 153.8

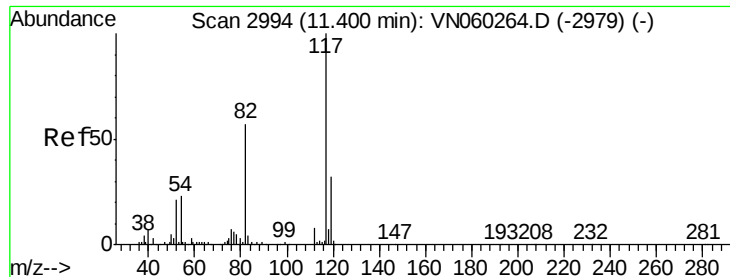


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

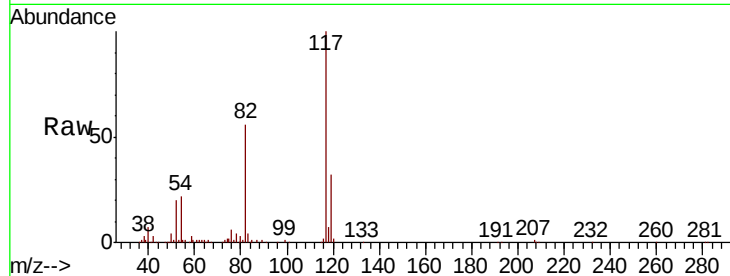




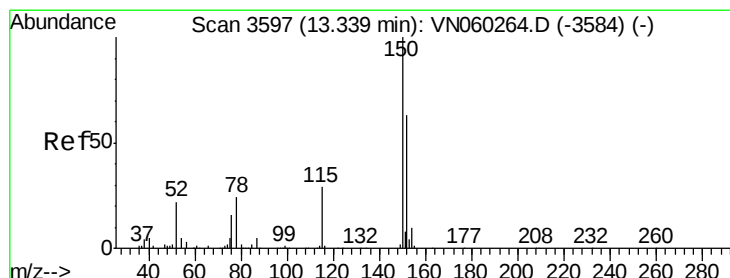
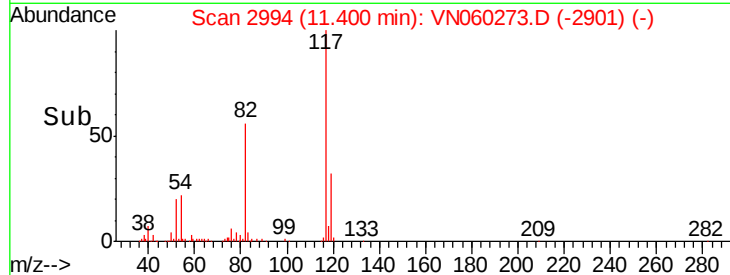
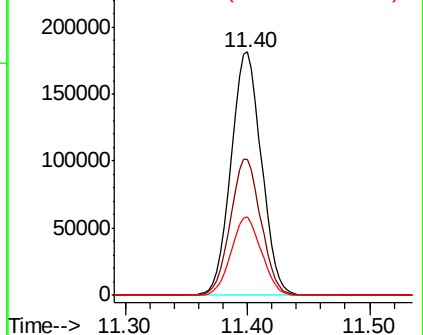
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060273.D
Acq: 28 Feb 2020 10:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	32.3	25.8	38.8

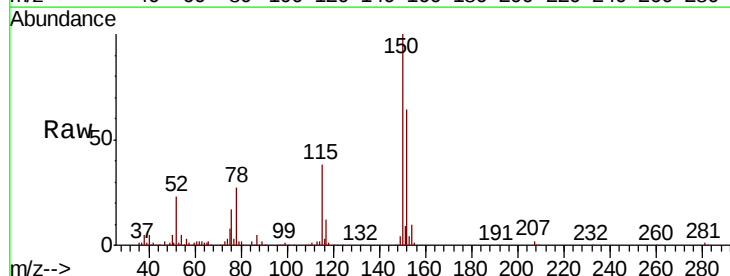


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

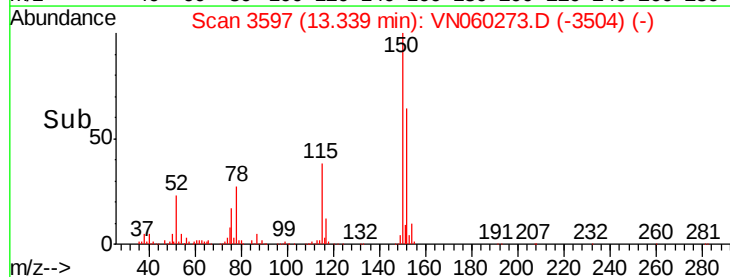
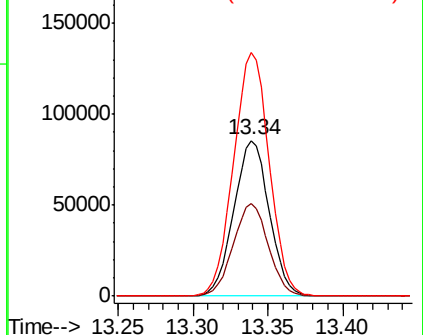


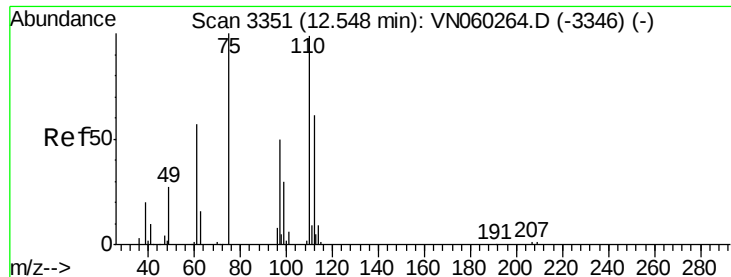
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060273.D
Acq: 28 Feb 2020 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.0
150	158.6	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: 25.382 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

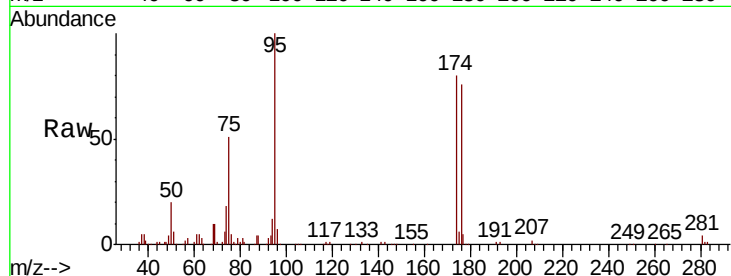
ClientSampled :

Tot Ion: 75 Resp: 78101

Ion Ratio Lower Upper

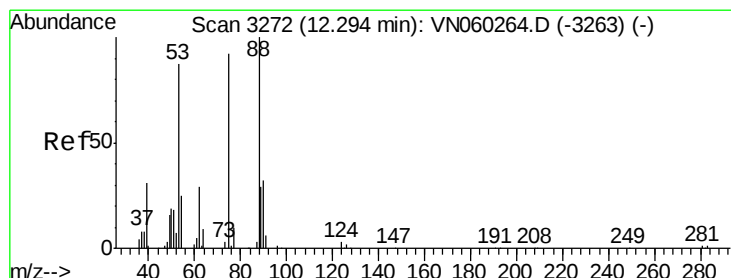
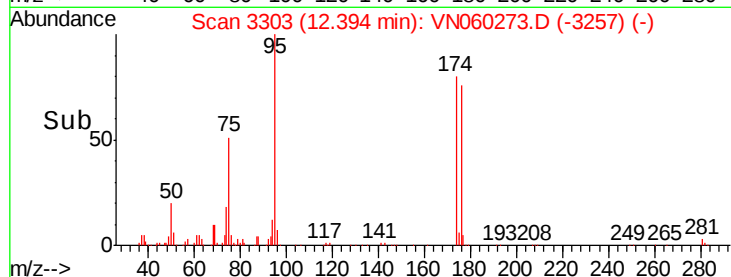
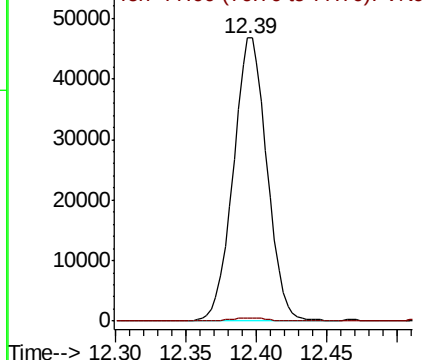
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.066 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

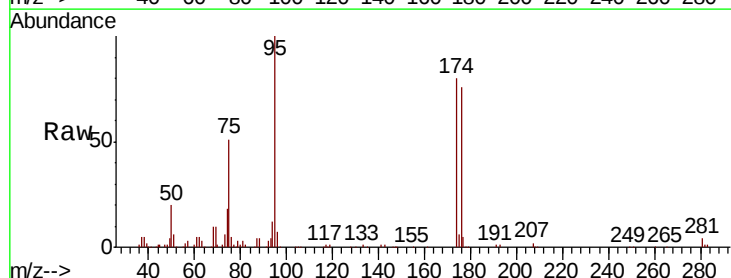
Tgt Ion: 75 Resp: 78101

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

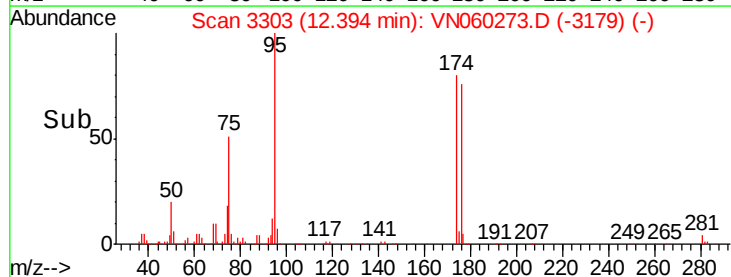
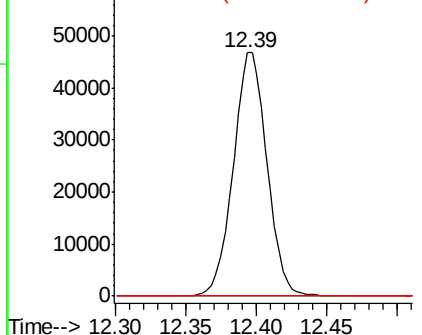
89 0.0 57.1 85.7#

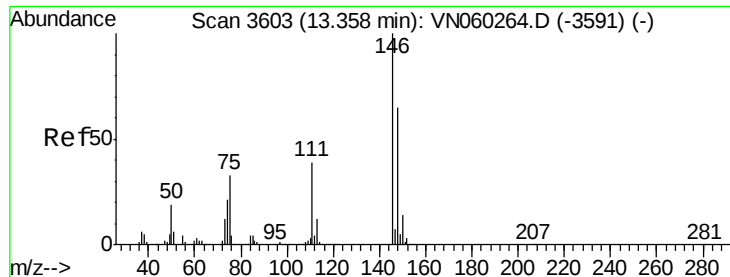


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060273.D

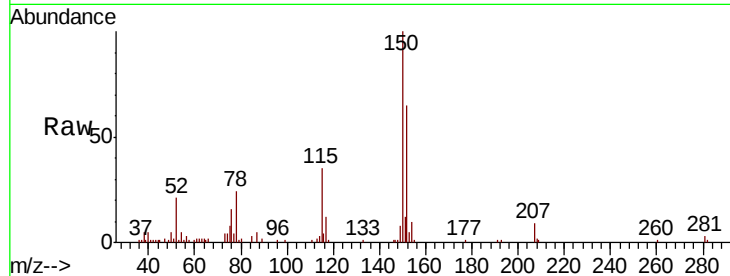
Acq: 28 Feb 2020 10:31

Instrument :

MSVOA_N

ClientSampled :

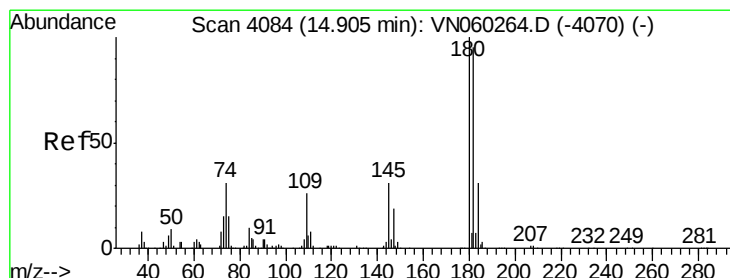
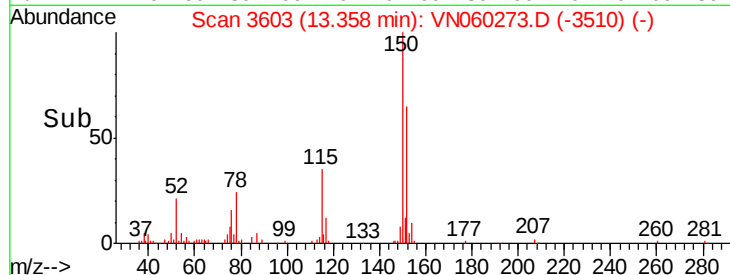
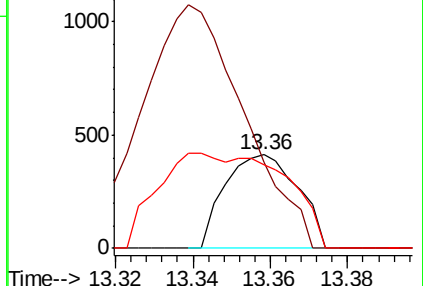
Tot Ion:146	Resp:	540
Ion Ratio	Lower	Upper
146	100	
111	364.3	19.8 59.4#
148	96.5	32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.299 ug/l

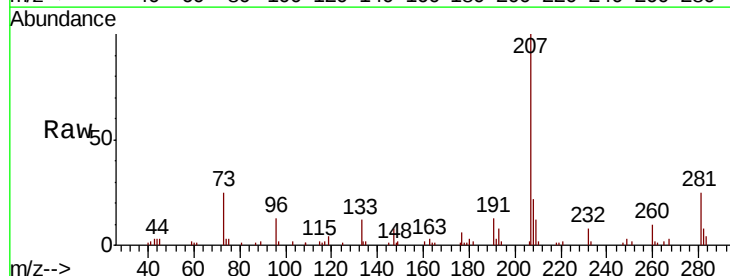
RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060273.D

Acq: 28 Feb 2020 10:31

Tgt Ion:180	Resp:	599
Ion Ratio	Lower	Upper
180	100	
182	100.7	47.8 143.3
145	42.7	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

