

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060246.D
 Acq On : 26 Feb 2020 12:53
 Operator : JC/MD
 Sample : VN0226WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 27 04:32:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147856	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	129456	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.56	113	97348	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.08	98	412006	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	155586	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

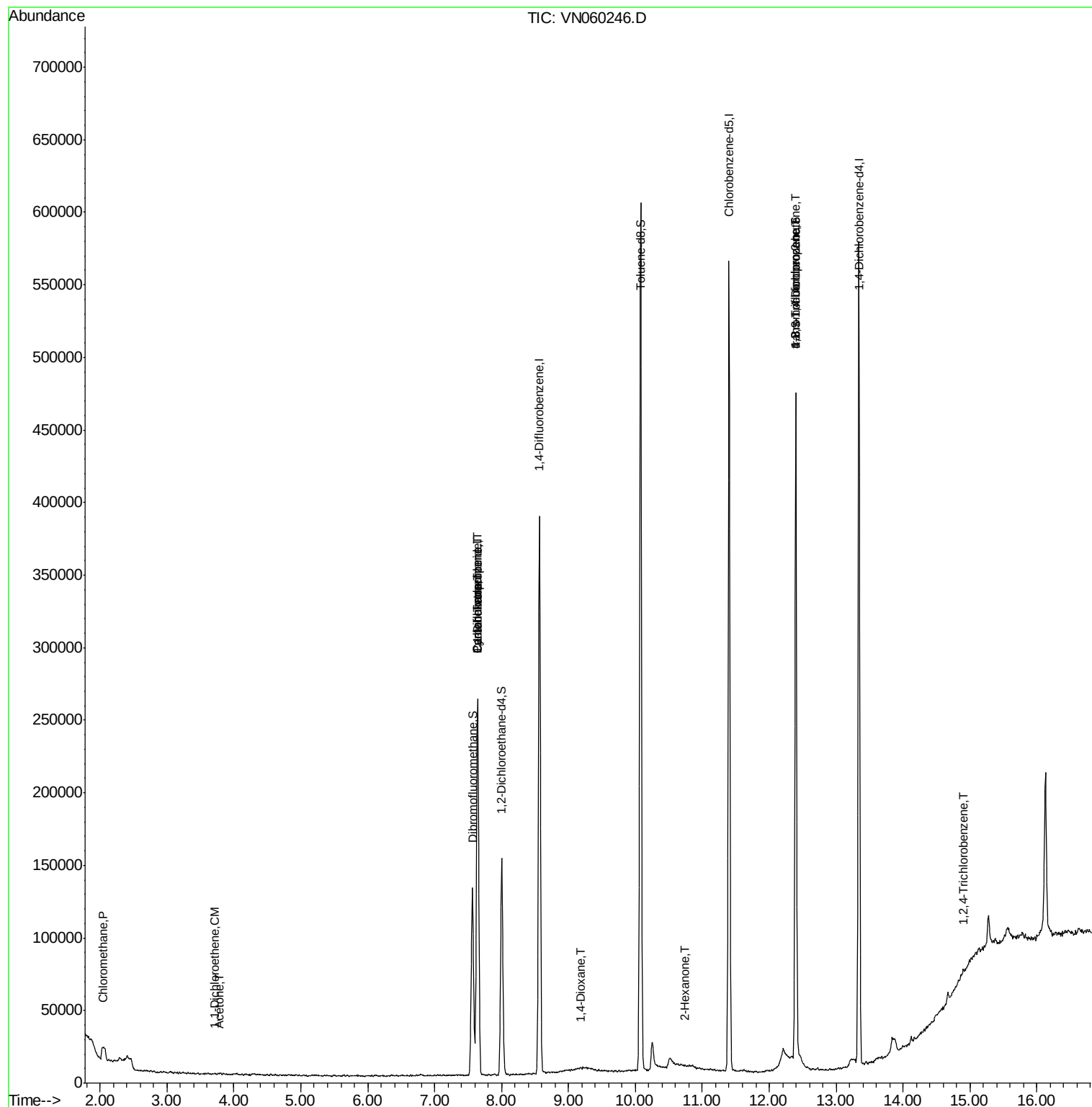
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	722	0.288	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	454	0.228	ug/l #	1
16) Acetone	3.78	43	1195	1.067	ug/l #	43
31) Cyclohexane	7.64	56	4603	1.268	ug/l #	28
36) 1,1-Dichloropropene	7.64	75	17051	5.438	ug/l #	47
38) Carbon Tetrachloride	7.64	117	20999	6.166	ug/l #	16
49) 1,4-Dioxane	9.19	88	29	0.781	ug/l #	25
59) 2-Hexanone	10.75	43	780	0.360	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	80054	28.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80054	69.292	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.30	75	161	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	624	0.224	ug/l #	49

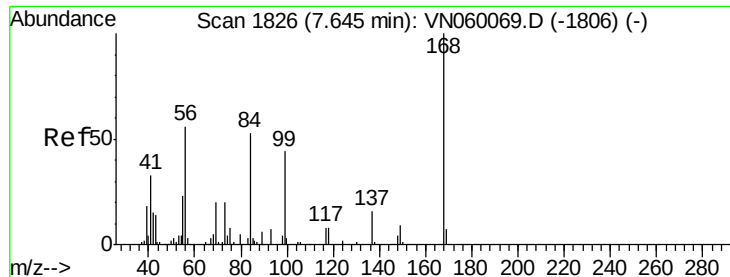
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060246.D

Acq: 26 Feb 2020 12:53

Instrument :

MSVOA_N

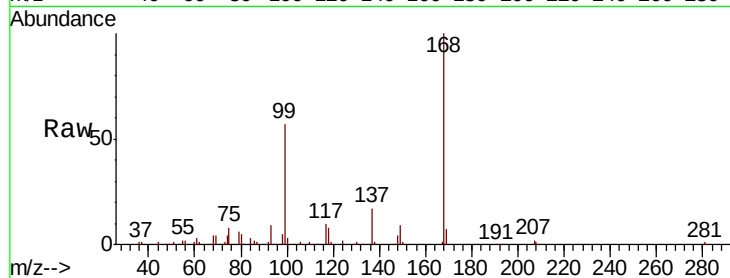
ClientSampleId :

Tot Ion:168 Resp: 210973

Ion Ratio Lower Upper

168 100

99 57.1 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

80000

60000

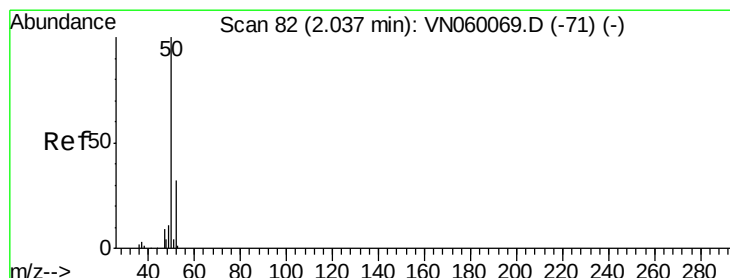
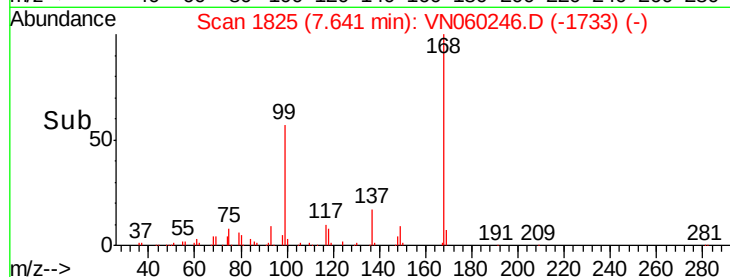
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.288 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060246.D

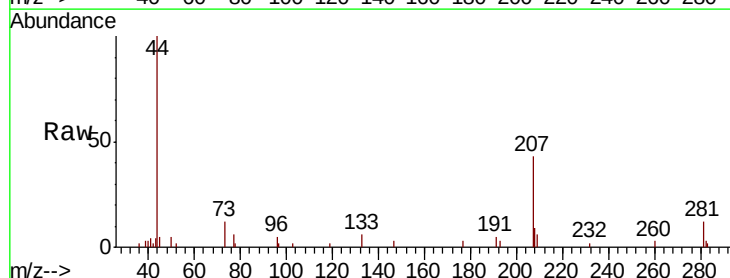
Acq: 26 Feb 2020 12:53

Tgt Ion: 50 Resp: 722

Ion Ratio Lower Upper

50 100

52 40.5 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060069.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060069.D (-71) (-)

2.04

500

400

300

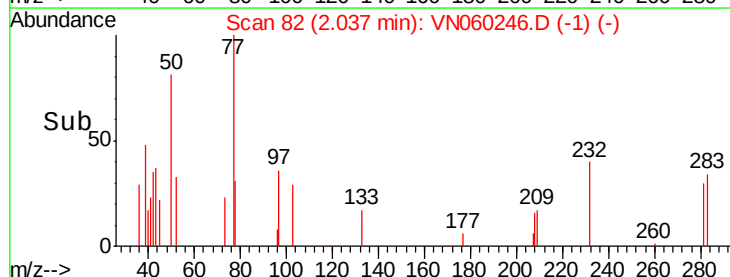
200

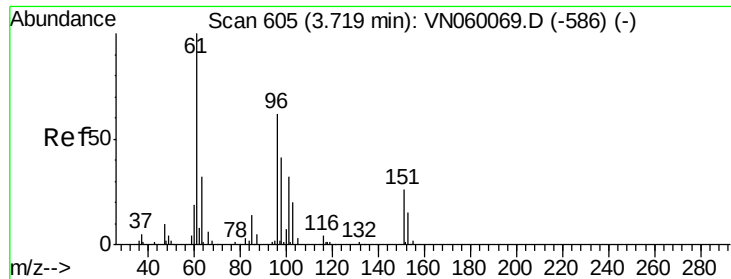
100

0

2.00 2.02 2.04 2.06 2.08

Time-->





#12

1,1-Dichloroethene

Concen: 0.228 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN060246.D

Acq: 26 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampled :

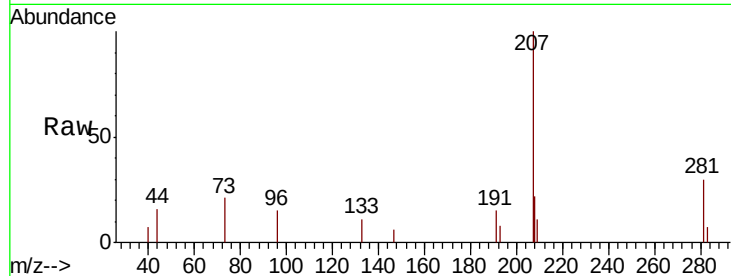
Tot Ion: 96 Resp: 454

Ion Ratio Lower Upper

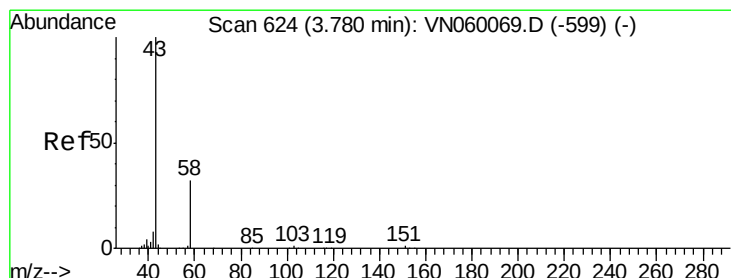
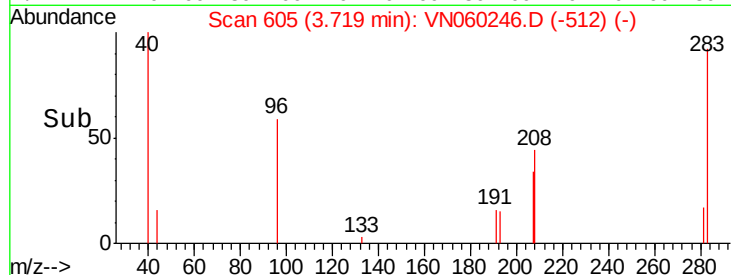
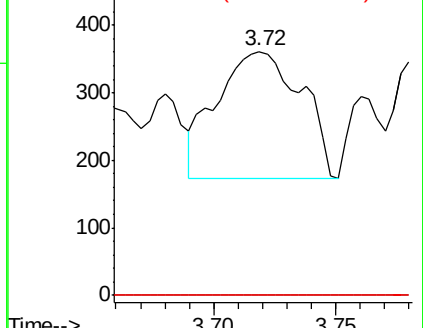
96 100

61 0.0 128.3 192.5#

98 0.0 52.2 78.4#



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 1.067 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060246.D

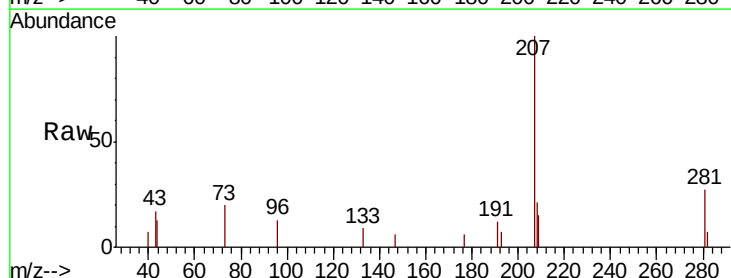
Acq: 26 Feb 2020 12:53

Tgt Ion: 43 Resp: 1195

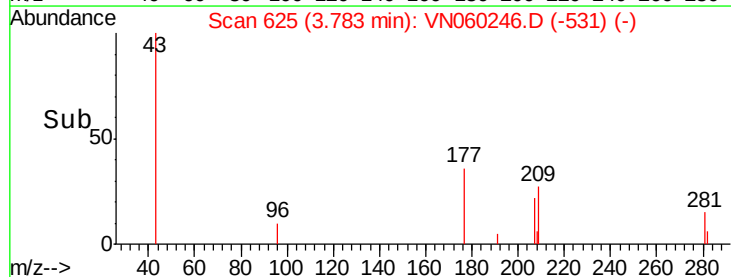
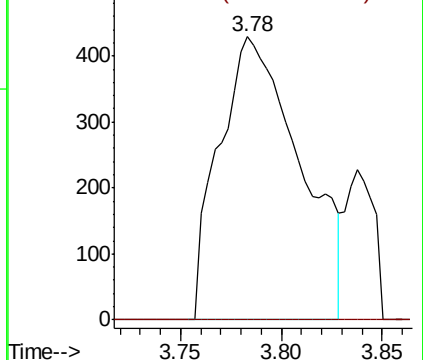
Ion Ratio Lower Upper

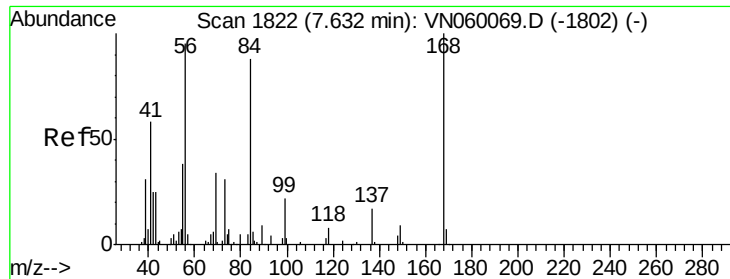
43 100

58 0.0 25.2 37.8#



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

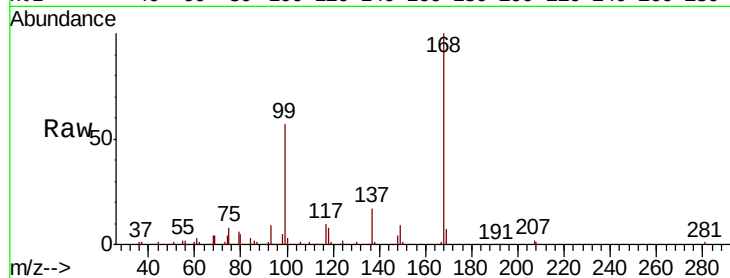




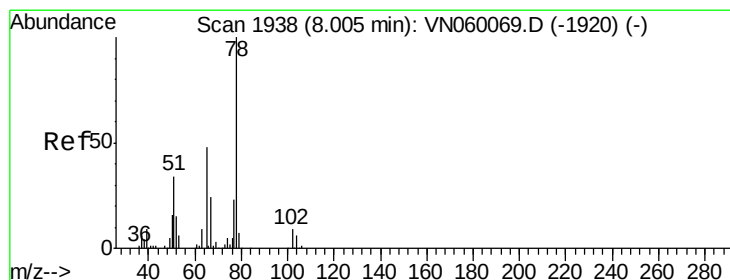
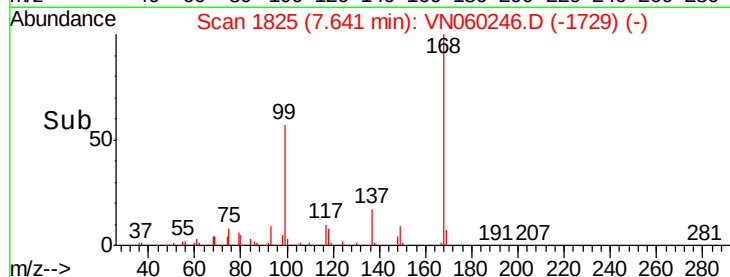
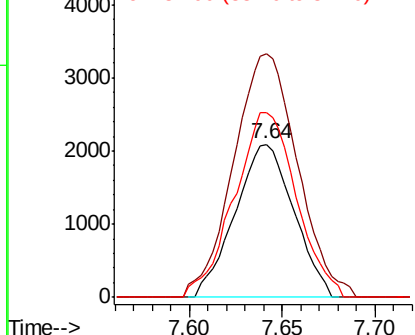
#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4603
Ion Ratio Lower Upper
56 100
69 150.5 28.3 42.5#
84 113.2 72.6 108.8#

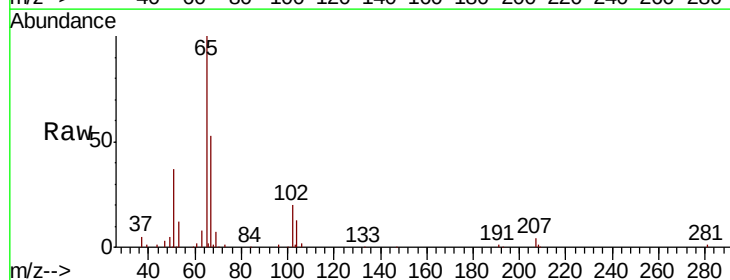


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

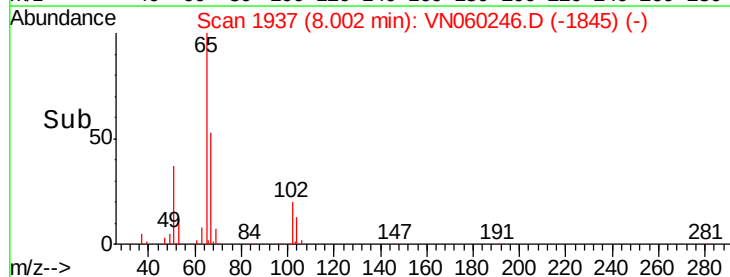
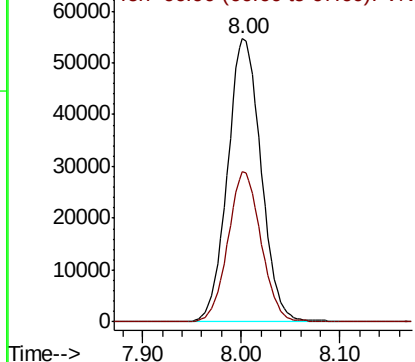


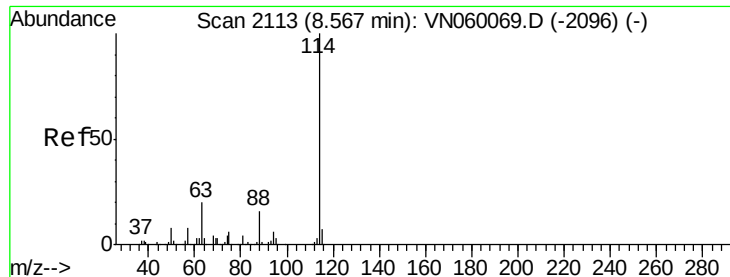
#33
1,2-Dichloroethane-d4
Concen: 50.427 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Tgt Ion: 65 Resp: 129456
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

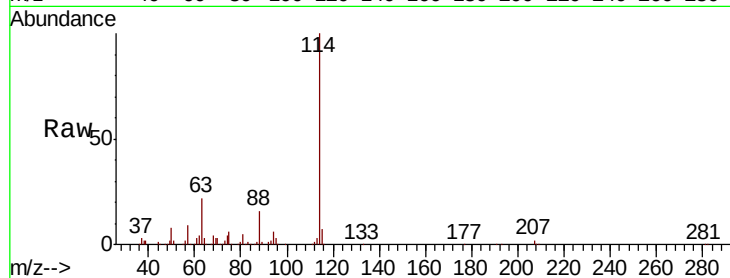




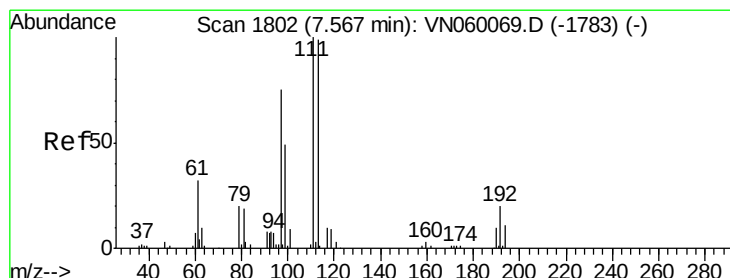
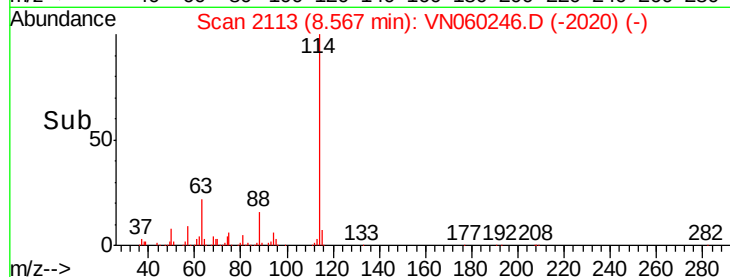
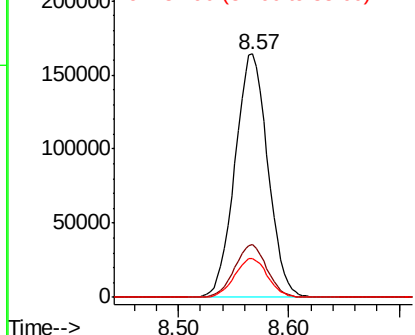
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 338550
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.0
 88 15.8 0.0 31.6

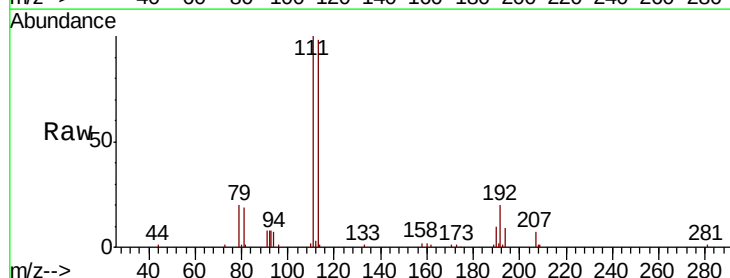


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

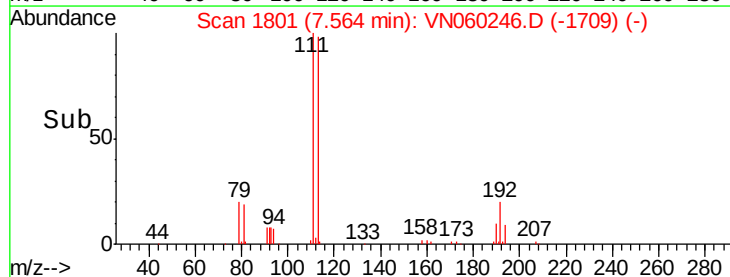
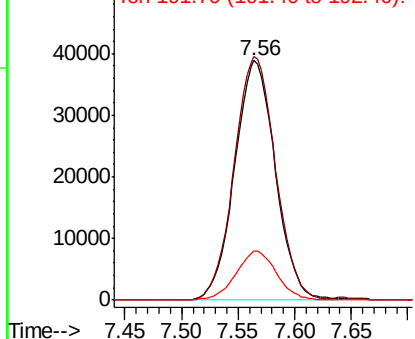


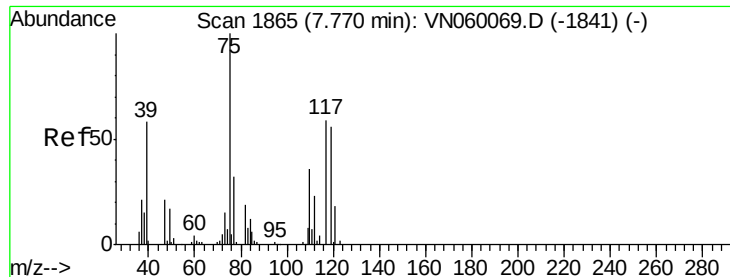
#35
 Dibromofluoromethane
 Concen: 46.778 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

Tgt Ion:113 Resp: 97348
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 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

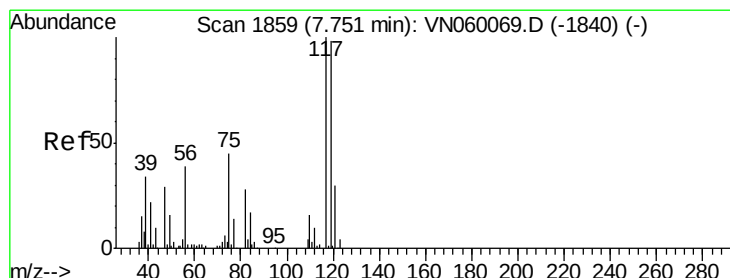
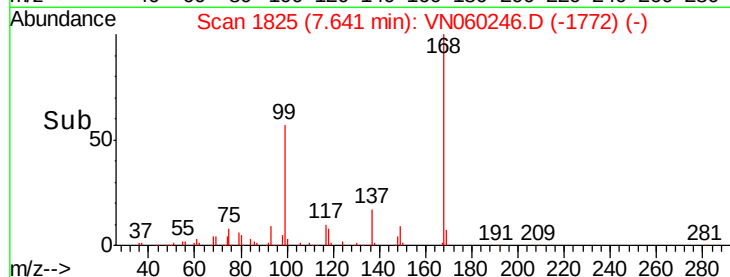
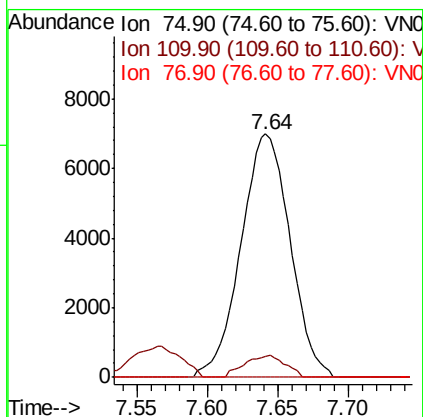
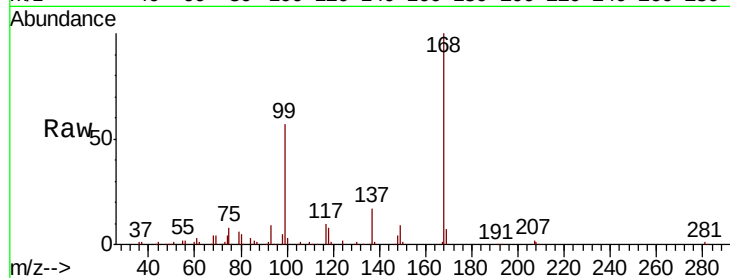




#36
 1,1-Dichloropropene
 Concen: 5.438 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

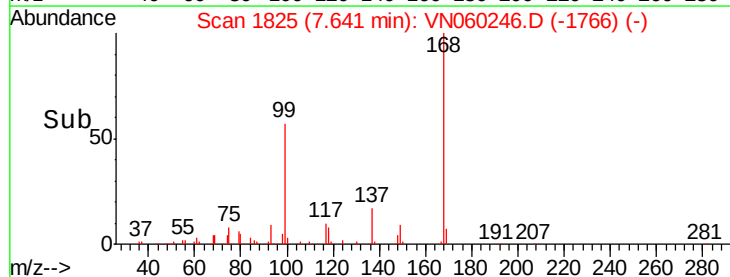
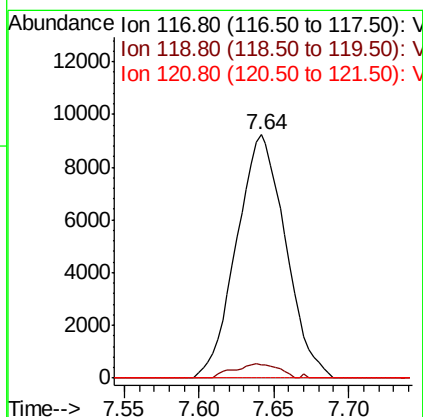
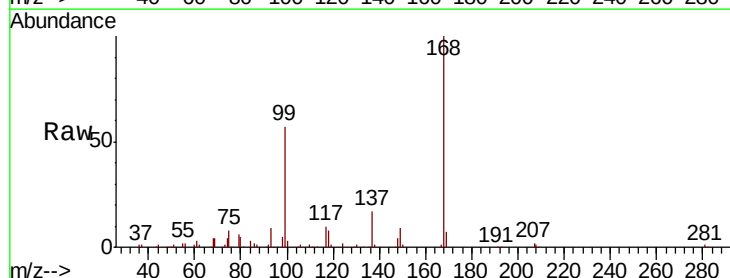
Instrument :
 MSVOA_N
 ClientSampleId :

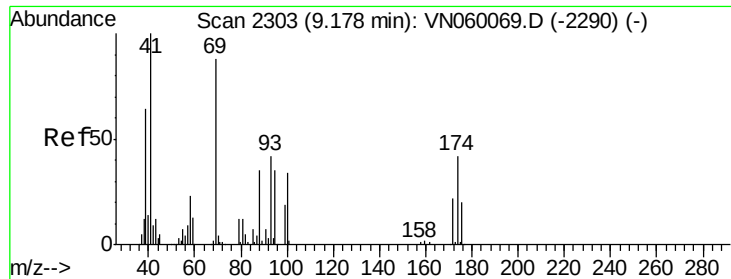
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.166 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.2	117.4#
121	0.0	24.2	36.2#

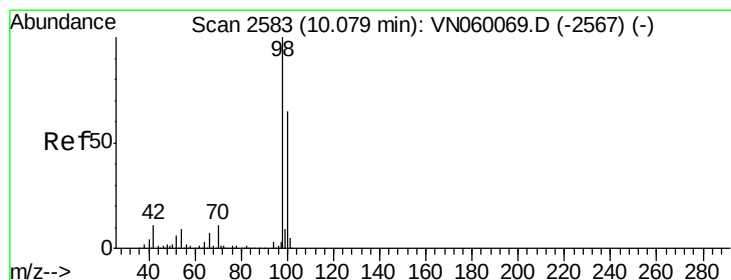
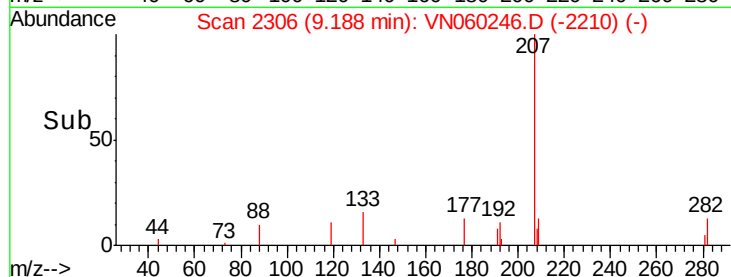
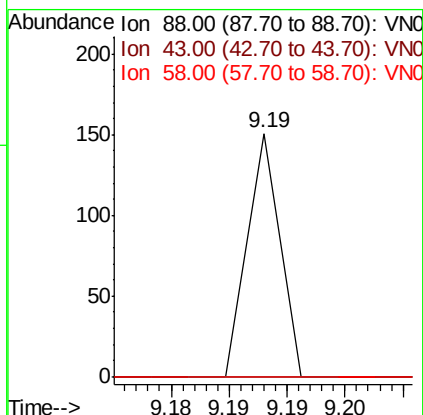
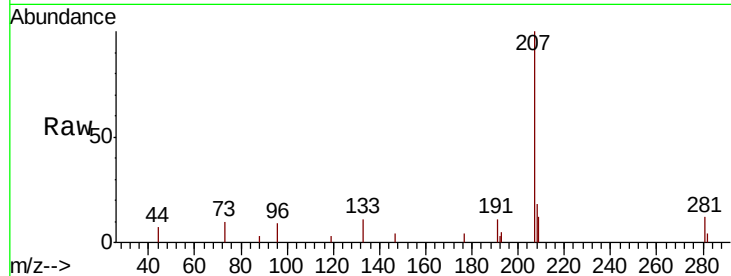




#49
1,4-Dioxane
Concen: 0.781 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

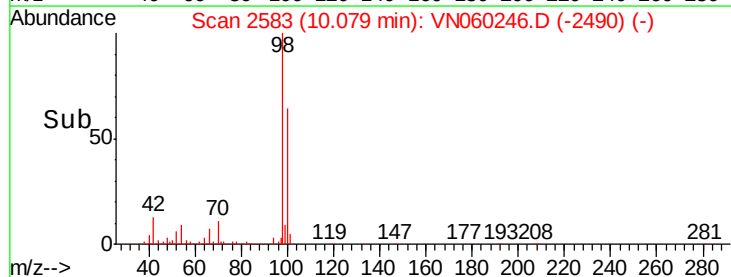
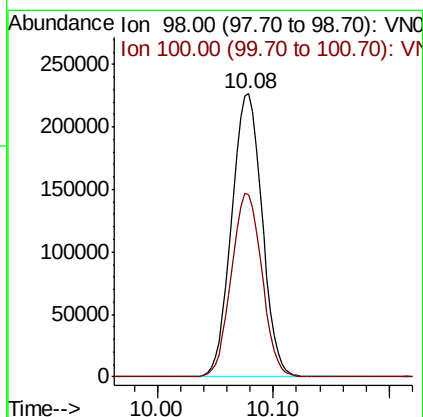
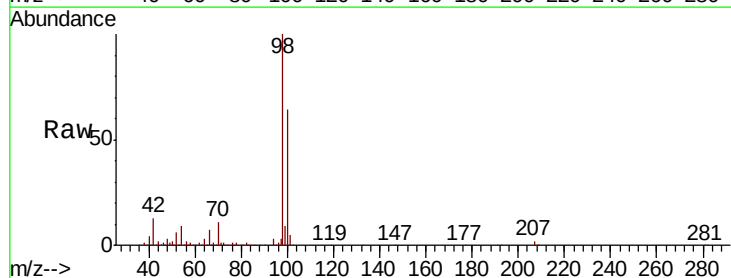
Instrument :
MSVOA_N
ClientSampleId :

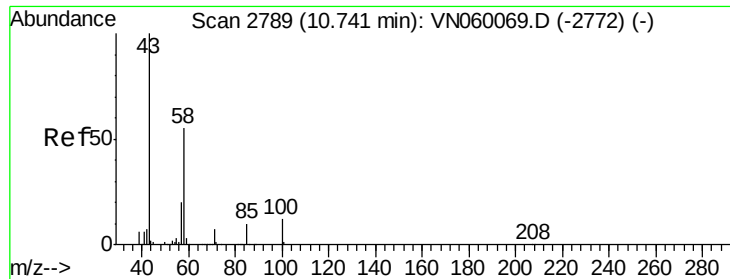
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 0.0 53.2 79.8#



#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Tgt Ion: 98 Resp: 412006
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5

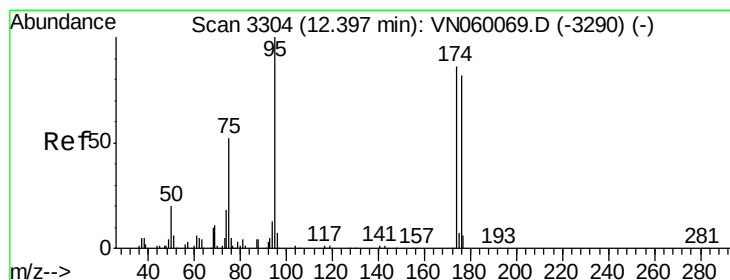
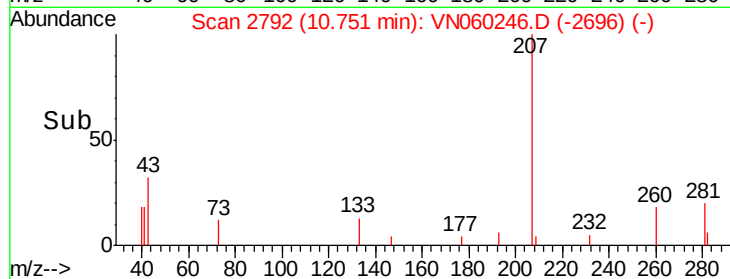
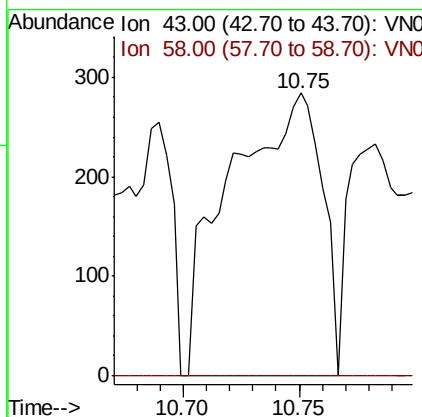
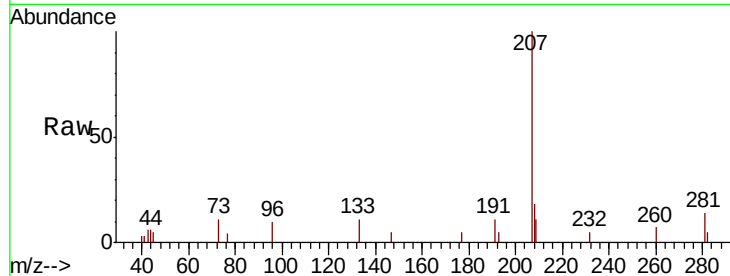




#59
2-Hexanone
Concen: 0.360 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

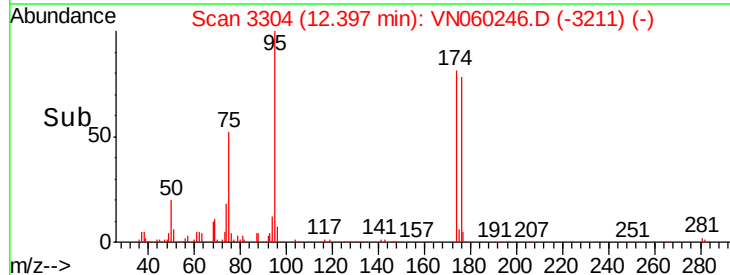
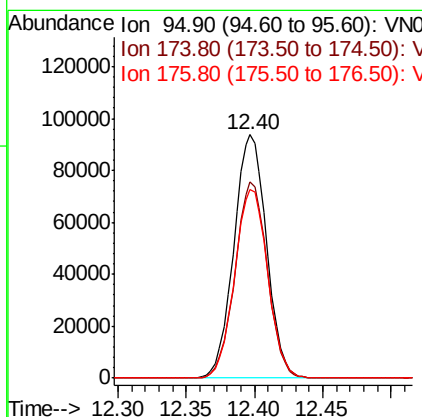
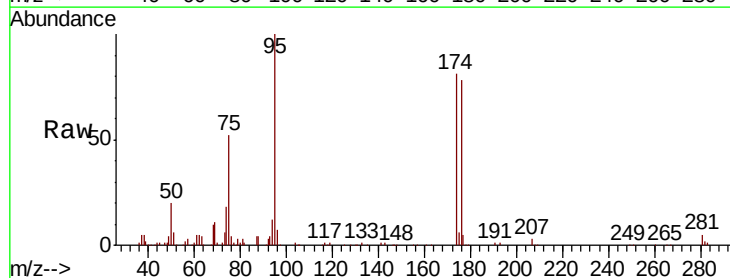
Instrument :
MSVOA_N
ClientSampleId :

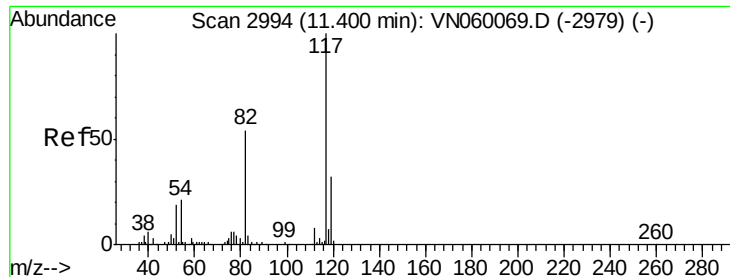
Tot Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
58 0.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 51.667 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Tgt Ion: 95 Resp: 155586
Ion Ratio Lower Upper
95 100
174 79.7 0.0 169.8
176 78.7 0.0 164.8

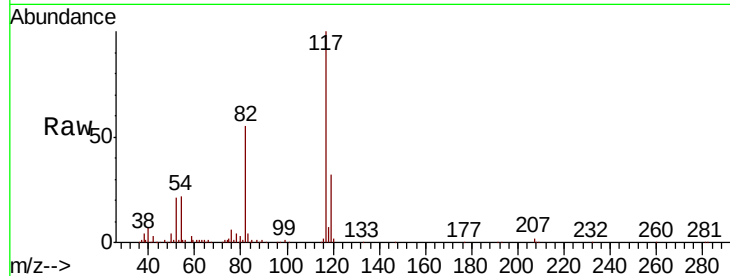




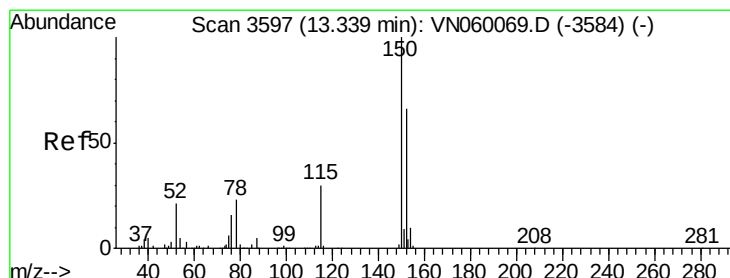
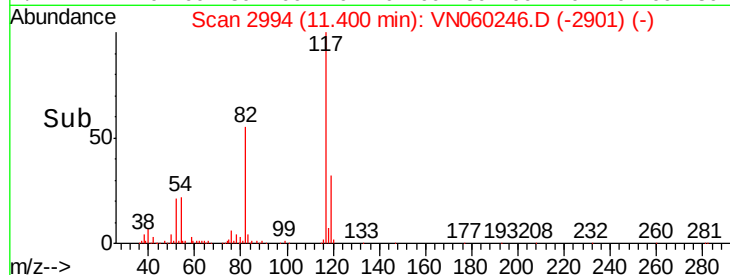
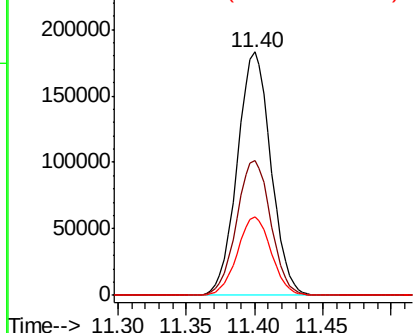
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 313023
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 32.0 25.8 38.6

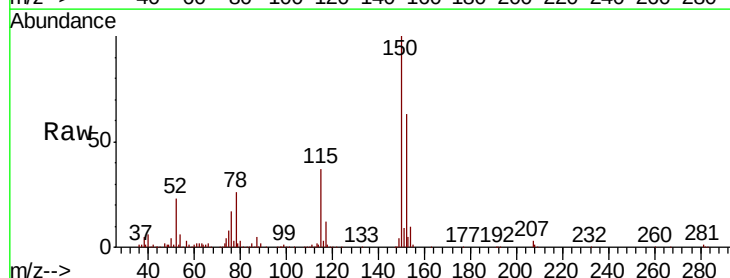


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

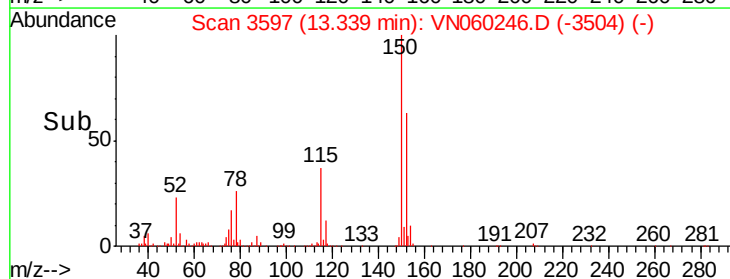
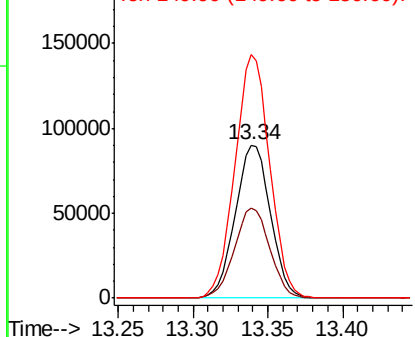


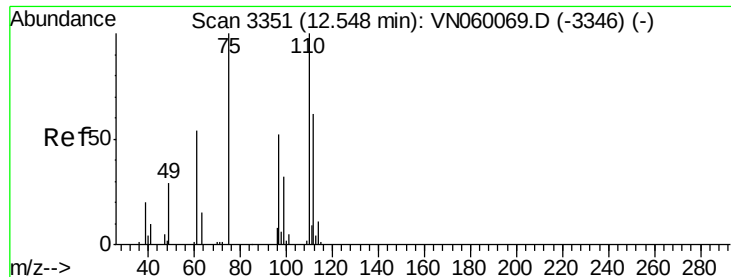
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060246.D
Acq: 26 Feb 2020 12:53

Tgt Ion:152 Resp: 147856
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.8
150 157.0 0.0 342.4



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: 28.300 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060246.D

Acq: 26 Feb 2020 12:53

Instrument :

MSVOA_N

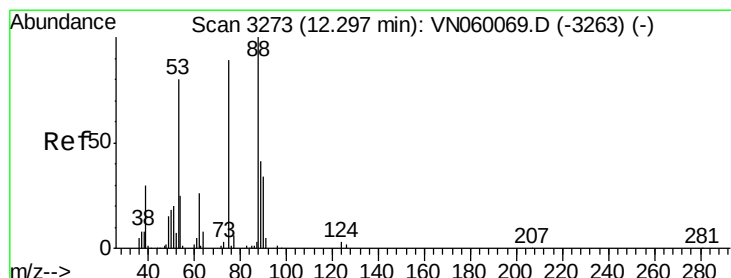
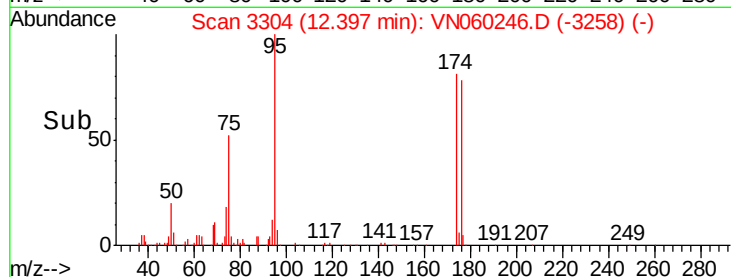
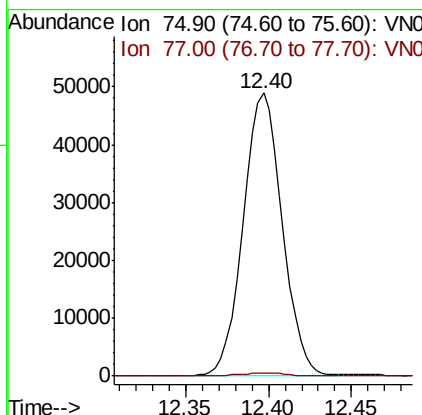
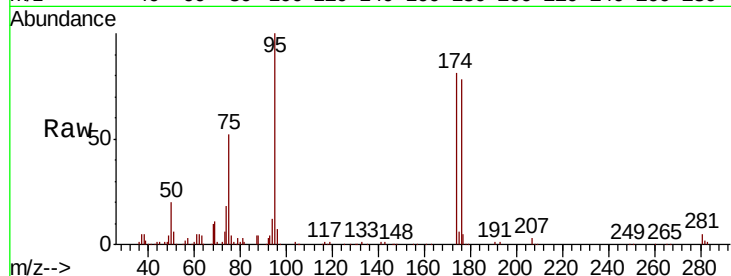
ClientSampled :

Tot Ion: 75 Resp: 80054

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.292 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060246.D

Acq: 26 Feb 2020 12:53

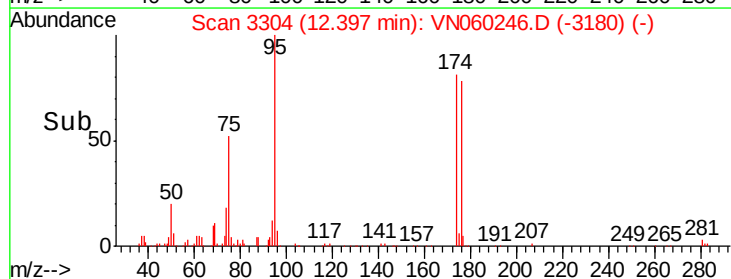
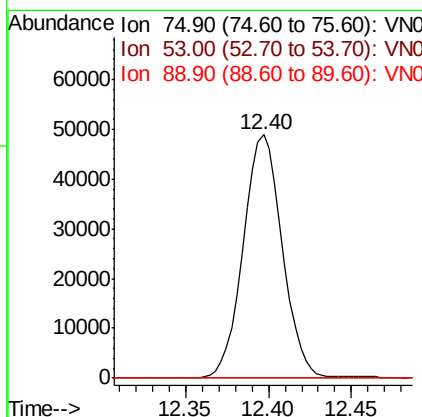
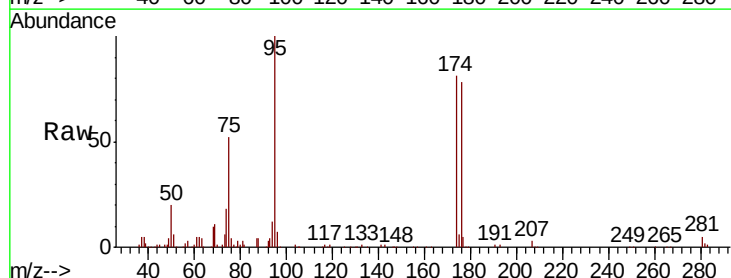
Tgt Ion: 75 Resp: 80054

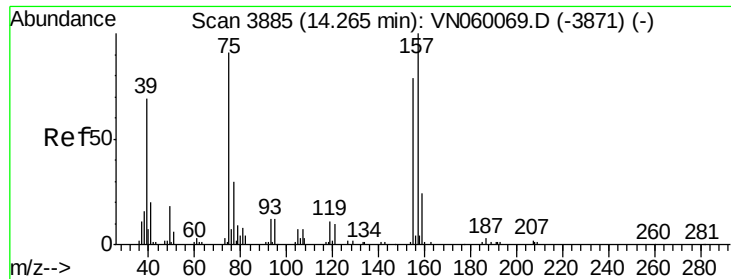
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#

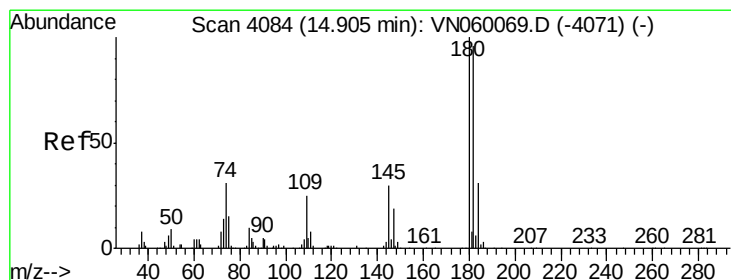
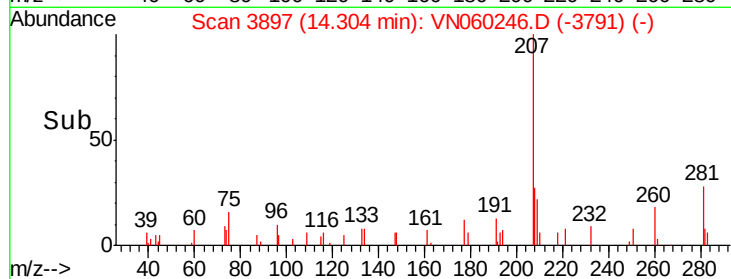
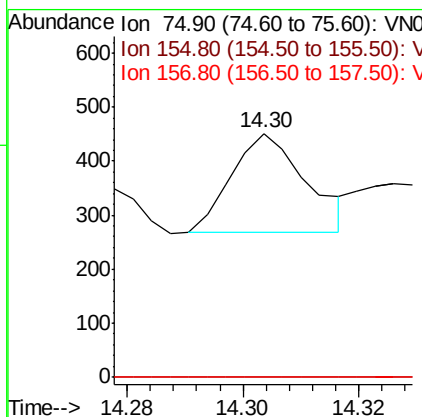
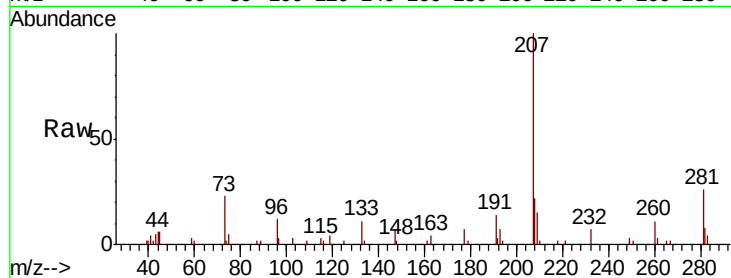




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.30 min Scan# 3897
 Delta R.T. 0.04 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.224 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060246.D
 Acq: 26 Feb 2020 12:53

Tgt Ion: 180 Resp: 624
 Ion Ratio Lower Upper
 180 100
 182 47.1 47.9 143.8#
 145 0.0 15.2 45.5#

