

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059897.D
 Acq On : 28 Jan 2020 17:19
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 11:04:21 AM

Quant Time: Jan 28 23:01:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145033	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	109633	46.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.12%	
35) Dibromofluoromethane	7.56	113	94144	48.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.52%	
50) Toluene-d8	10.08	98	380176	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	156882	58.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9389	1.620	ug/l	99
18) Methyl Acetate	4.29	43	3462	1.245	ug/l #	75
25) 2-Butanone	6.80	43	10658	7.907	ug/l	99
29) Tetrahydrofuran	7.18	42	5851	7.016	ug/l #	85
39) Methylcyclohexane	9.07	83	2044	0.588	ug/l	92
59) 2-Hexanone	10.74	43	12351	6.377	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4058m	0.869	ug/l	
89) n-Butylbenzene	13.61	91	10448	1.303	ug/l #	86
93) 1,2,4-Trichlorobenzene	14.91	180	5952m	2.141	ug/l	
94) Hexachlorobutadiene	15.01	225	5348	3.492	ug/l	96
95) Naphthalene	15.13	128	27993	3.541	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	6940m	2.565	ug/l	

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

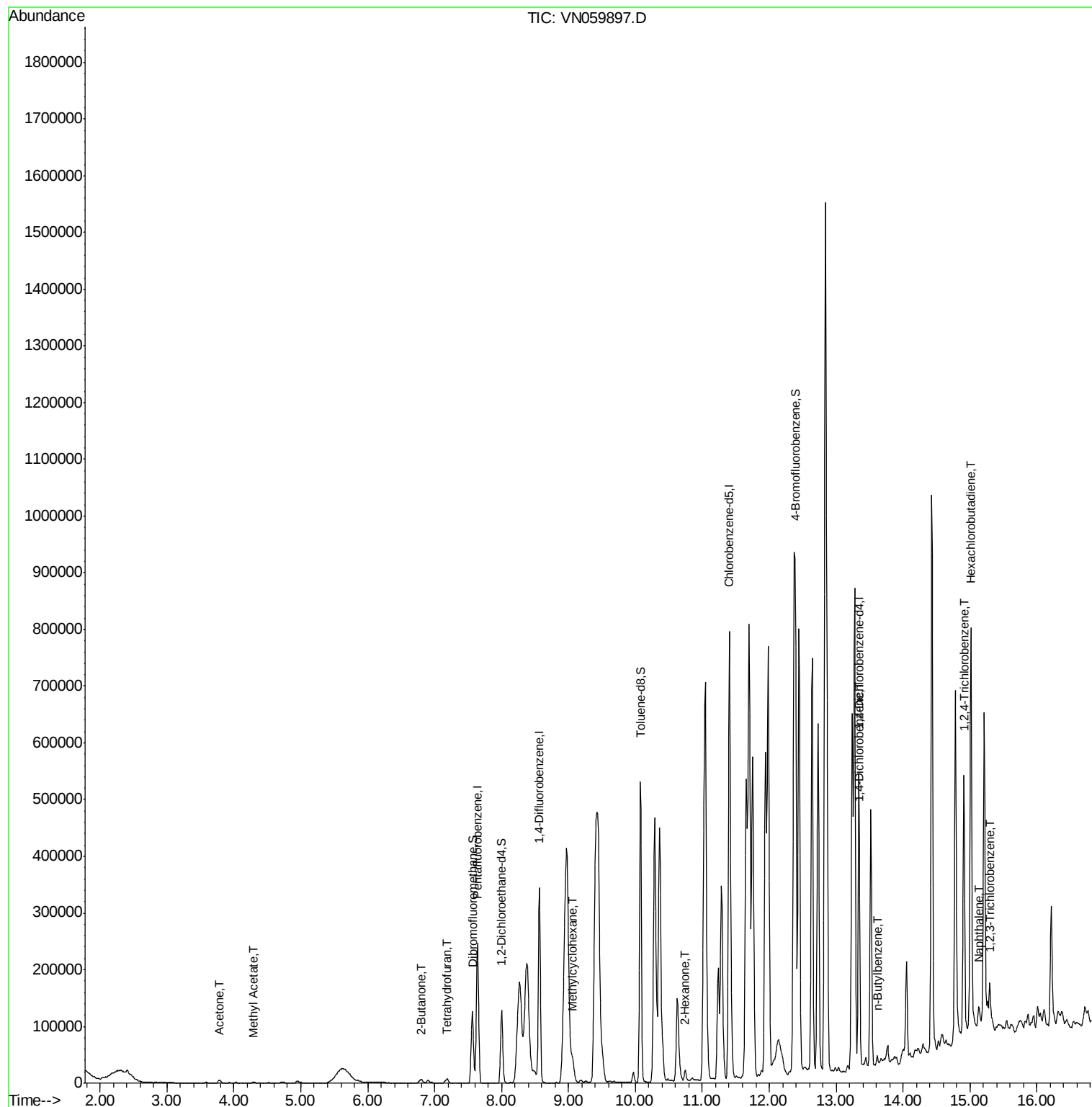
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Data File : VN059897.D
Acq On : 28 Jan 2020 17:19
Operator : JC/MD
Sample : IBLK
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Manual Integrations
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Quant Time: Jan 28 23:01:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

IBLK

Tot Ion:168 Resp: 214325

Ion Ratio Lower Upper

168 100

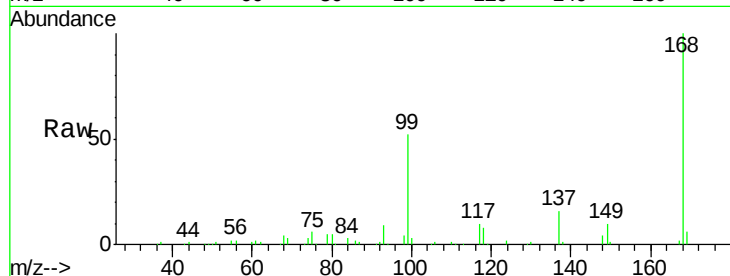
99 51.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN059897.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059897.D (-1732) (-)

7.64

80000

60000

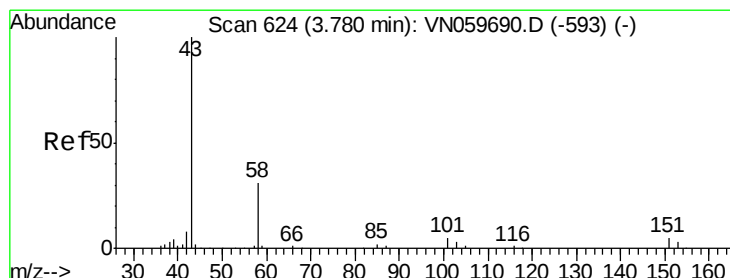
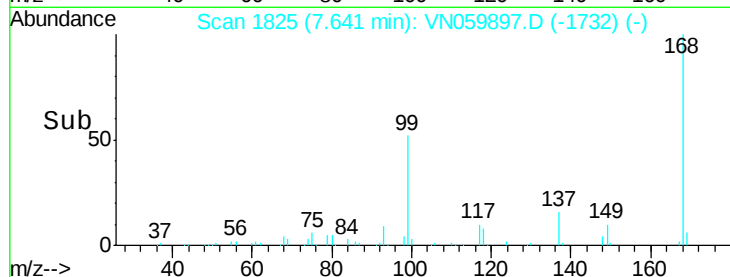
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20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 1.620 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059897.D

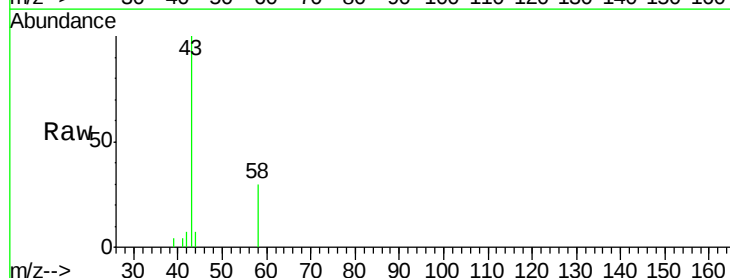
Acq: 28 Jan 2020 17:19

Tgt Ion: 43 Resp: 9389

Ion Ratio Lower Upper

43 100

58 29.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059897.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059897.D (-530) (-)

3.78

4000

3000

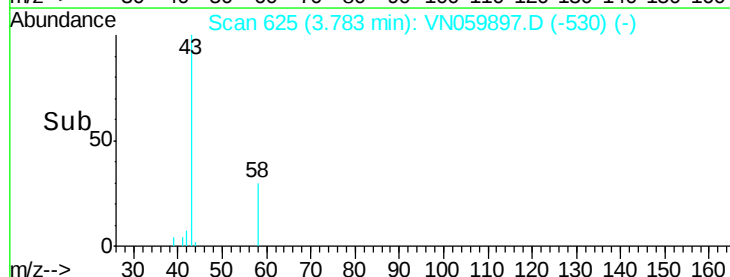
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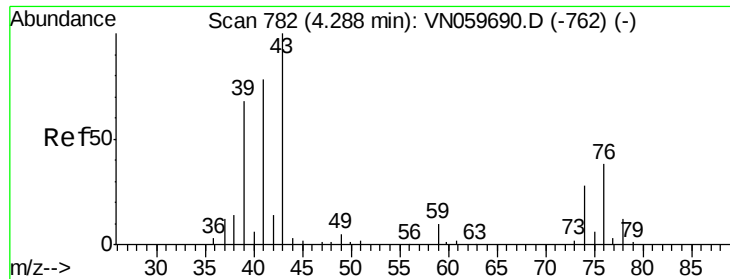
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0

3.70 3.75 3.80 3.85

Time-->





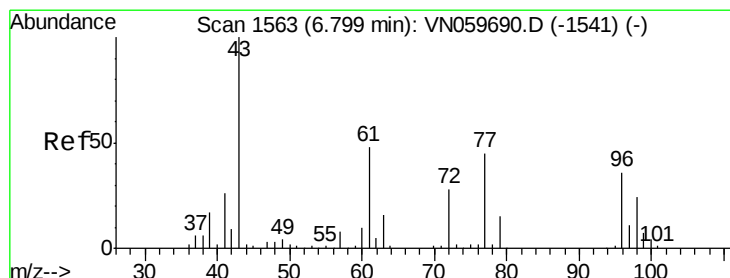
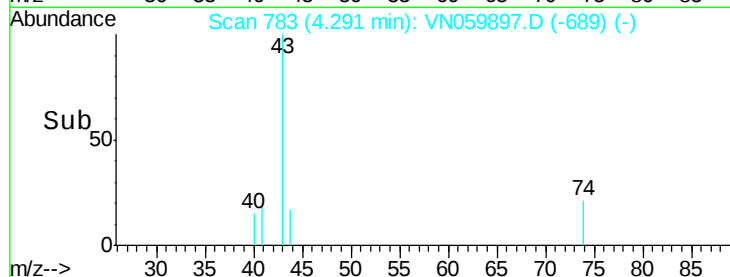
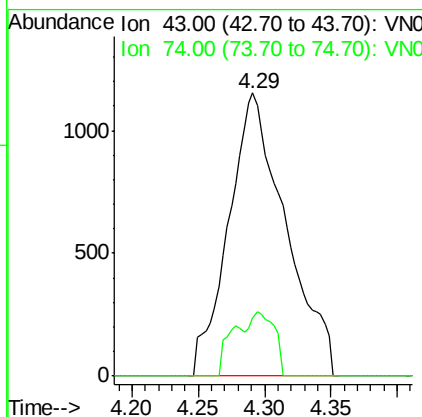
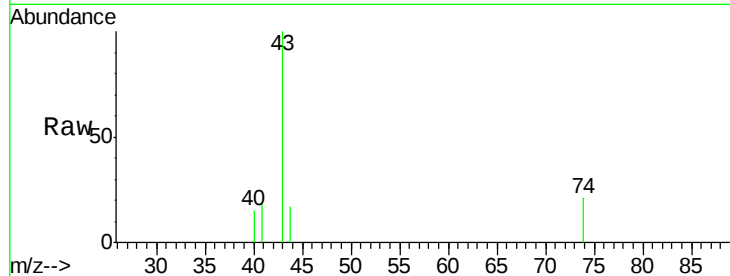
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Methyl Acetate
Concen: 1.245 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
74 10.0 17.5 26.3#

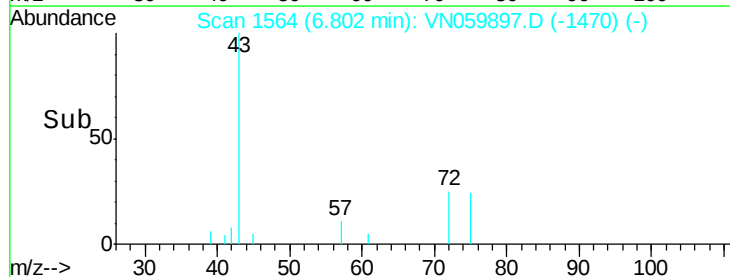
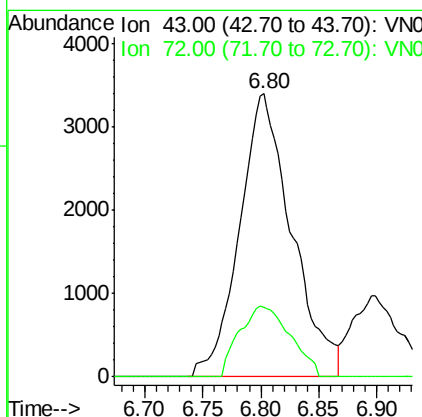
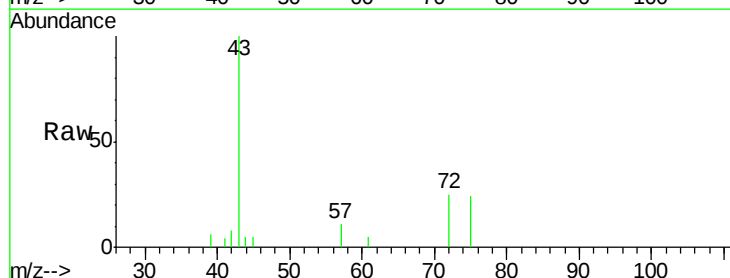
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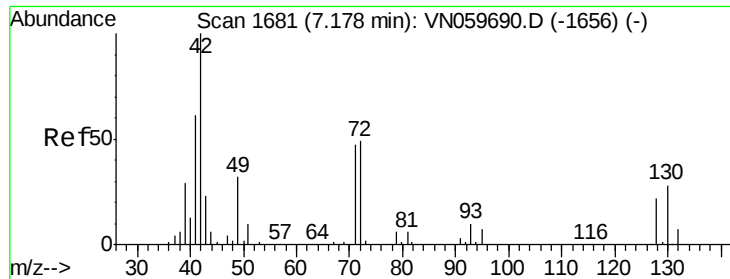
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#25
2-Butanone
Concen: 7.907 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 43 Resp: 10658
Ion Ratio Lower Upper
43 100
72 24.6 19.9 29.9





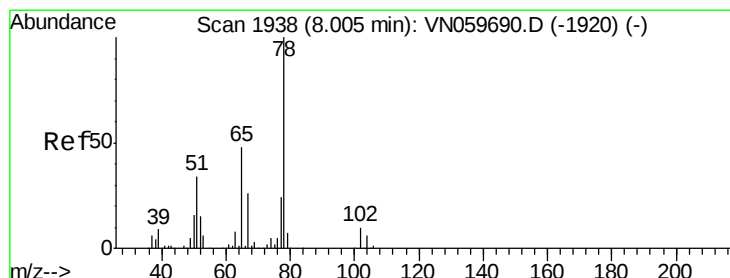
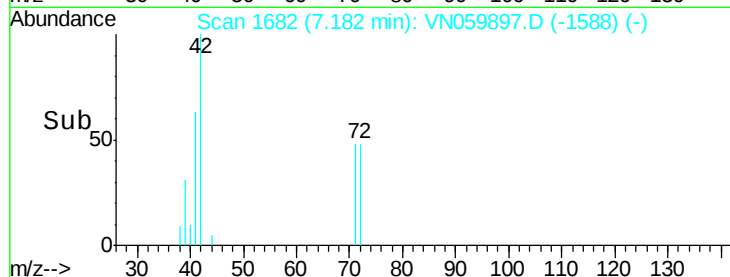
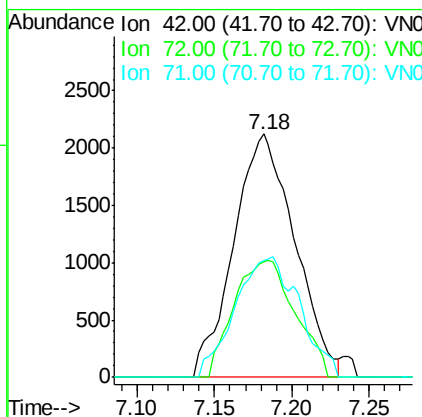
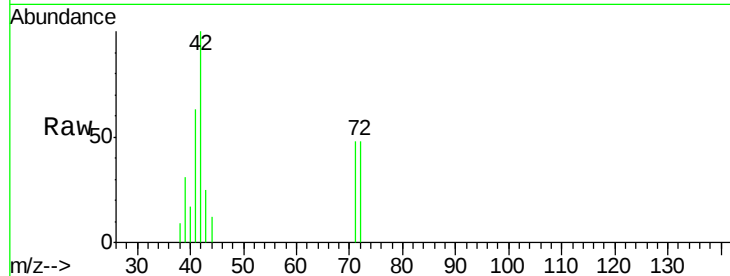
#29
Tetrahydrofuran
Concen: 7.016 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	33.1	49.7
71	51.7	31.4	47.0

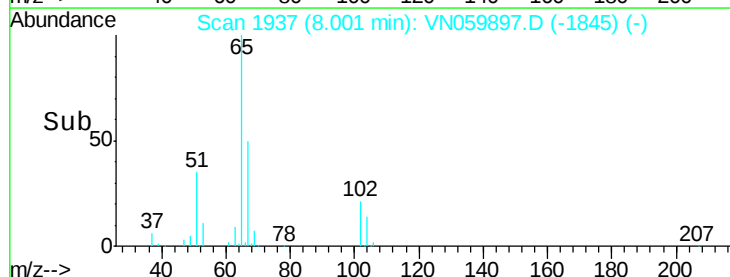
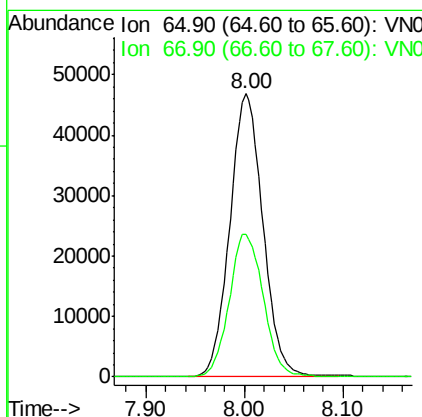
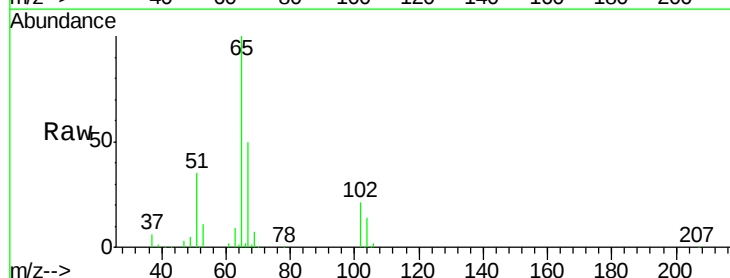
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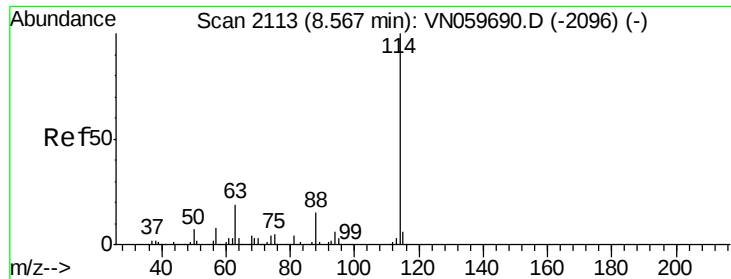
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#33
1,2-Dichloroethane-d4
Concen: 46.062 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0





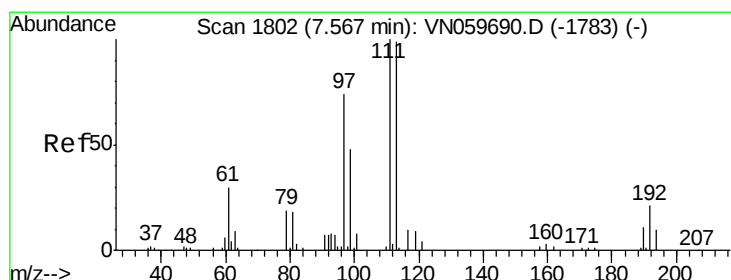
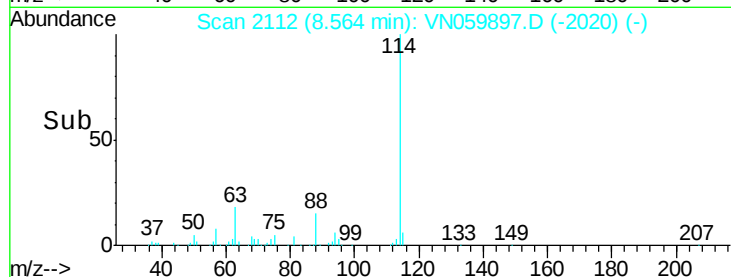
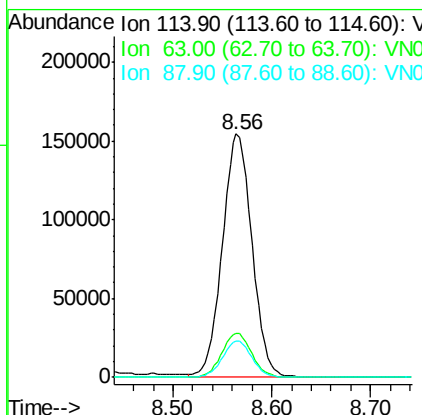
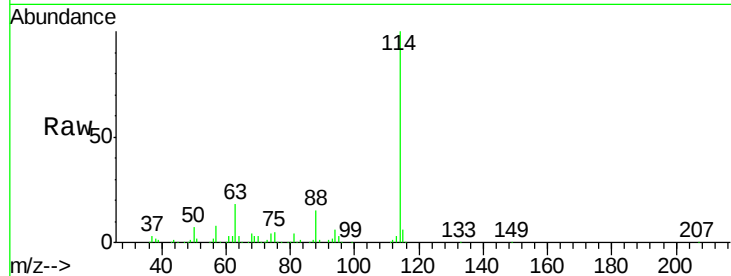
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.3	0.0	43.6
88	15.0	0.0	31.4

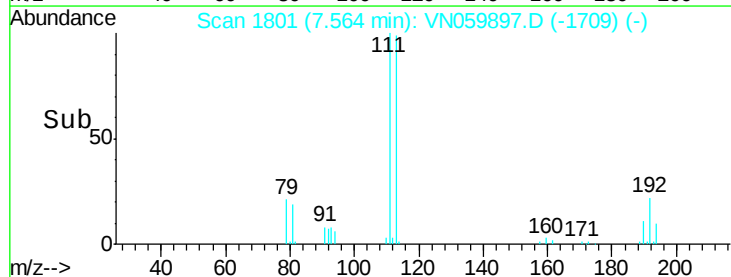
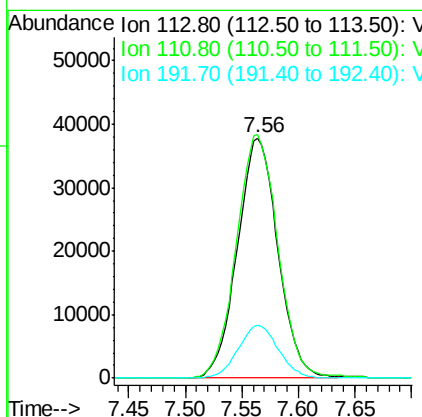
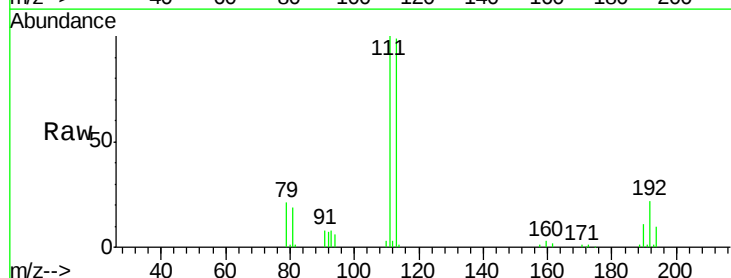
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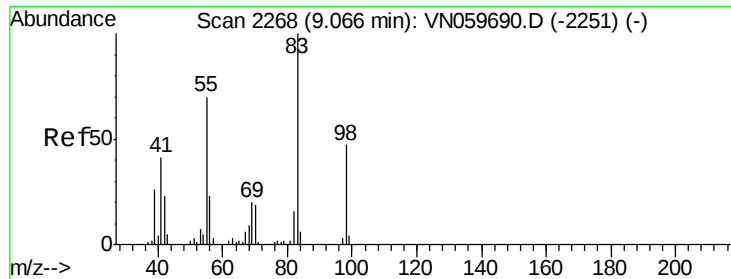
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#35
Dibromofluoromethane
Concen: 48.764 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.4	83.5	125.3
192	21.8	15.4	23.2





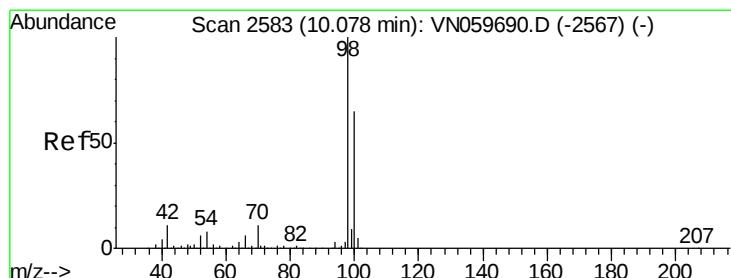
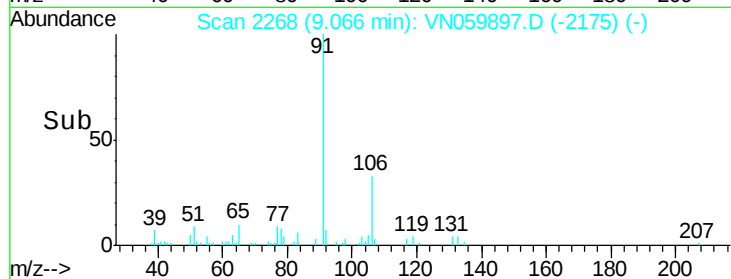
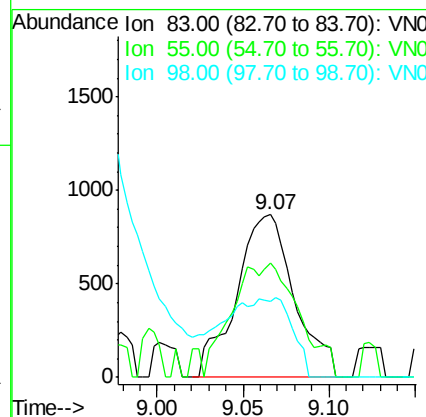
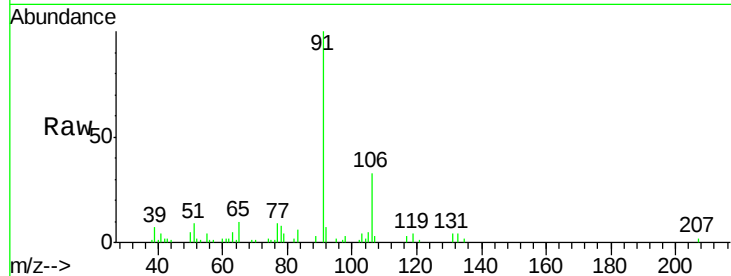
#39
Methylcyclohexane
Concen: 0.588 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion	83	Resp	2044
Ion Ratio	100	Lower	Upper
83	100		
55	70.2	64.2	96.2
98	46.6	35.9	53.9

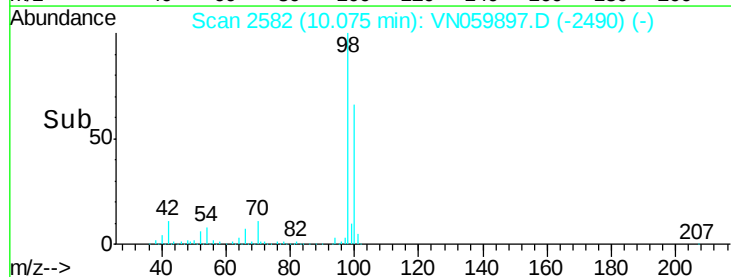
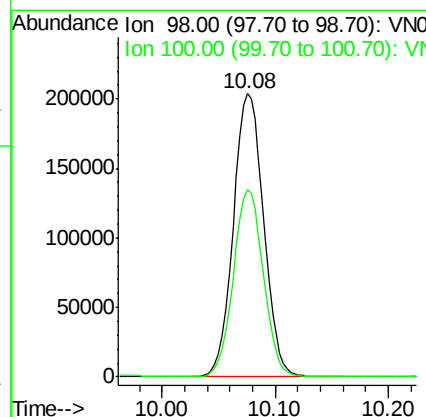
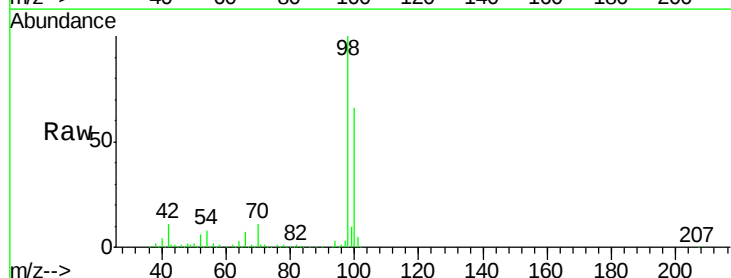
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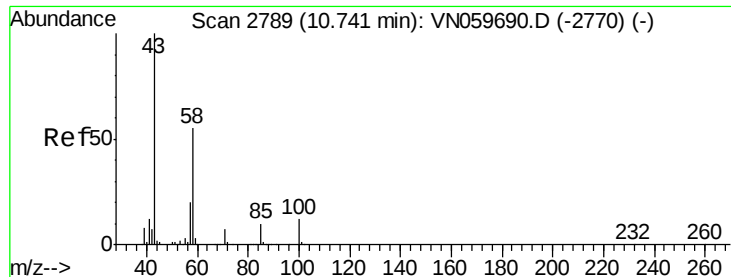
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#50
Toluene-d8
Concen: 50.824 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion	98	Resp	380176
Ion Ratio	100	Lower	Upper
98	100		
100	65.2	51.2	76.8





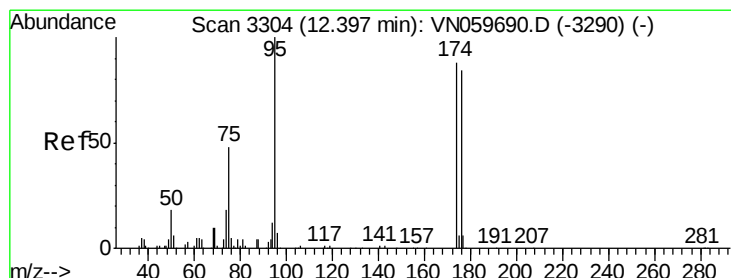
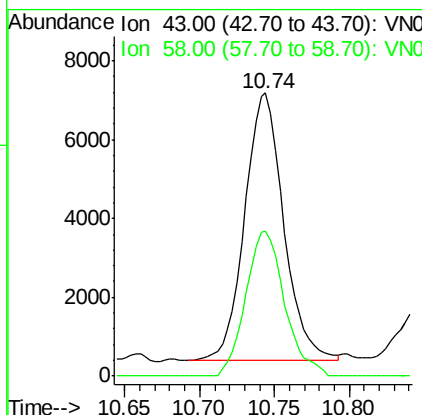
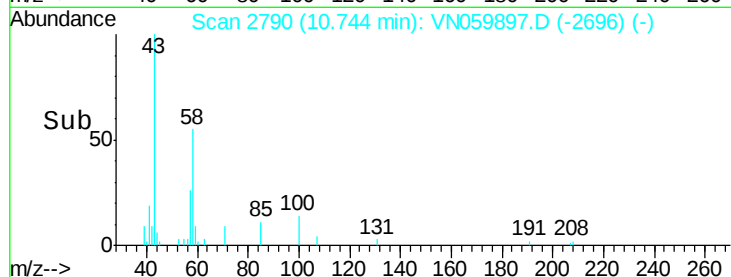
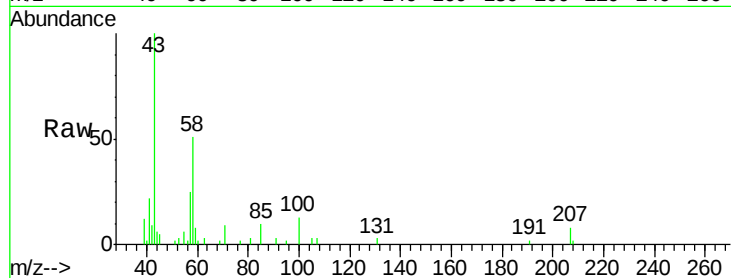
#59
2-Hexanone
Concen: 6.377 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	25.8	77.3

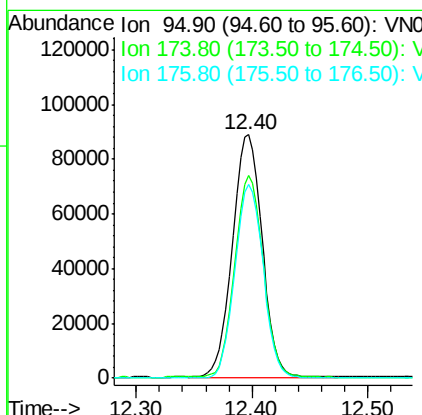
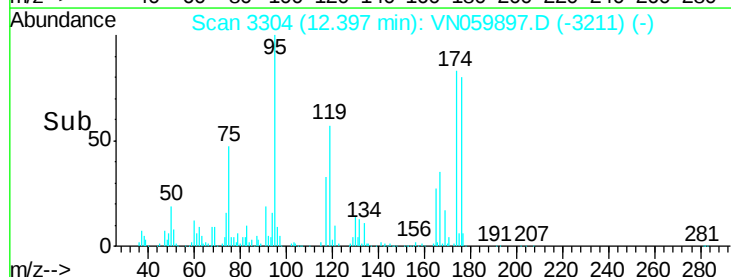
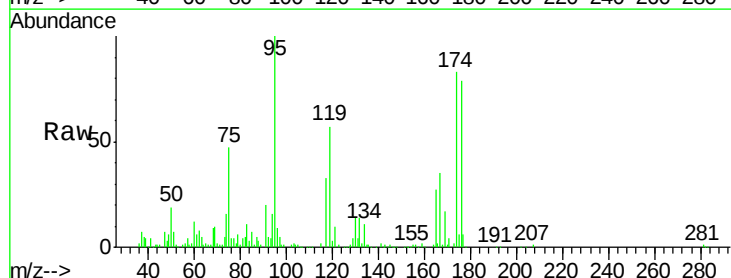
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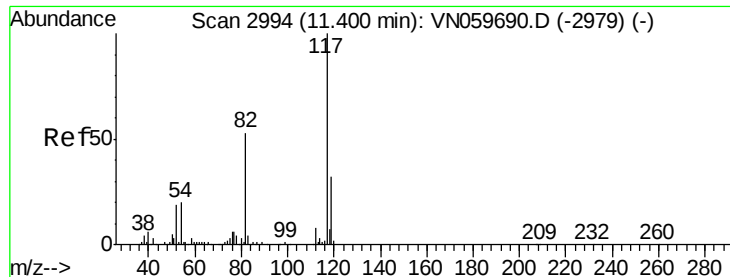
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#62
4-Bromofluorobenzene
Concen: 58.178 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	151.4
176	76.3	0.0	146.0





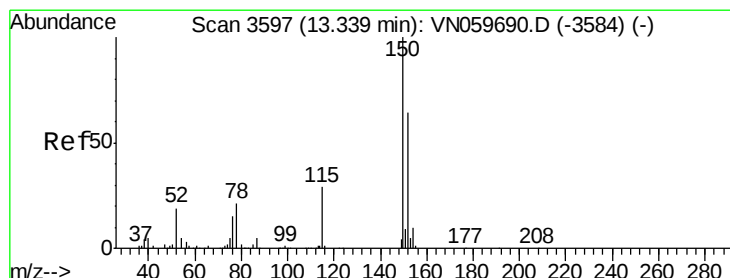
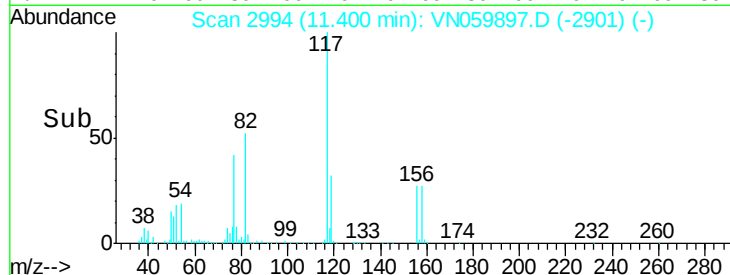
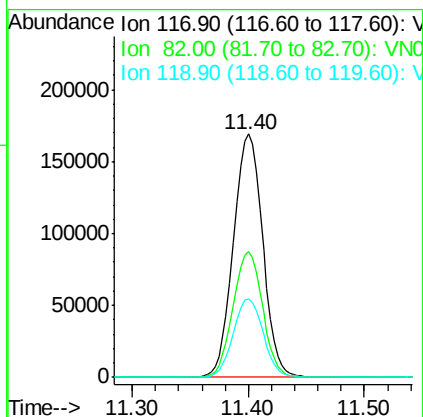
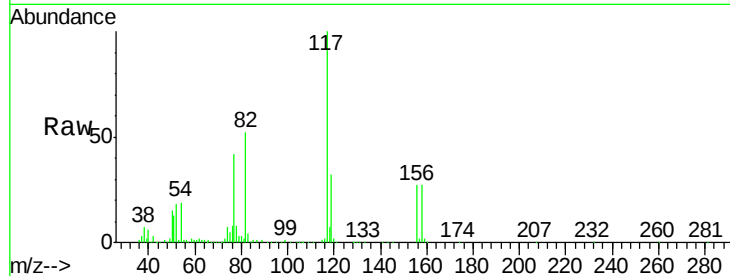
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296177		
82	51.7		45.9	68.9
119	32.4		25.5	38.3

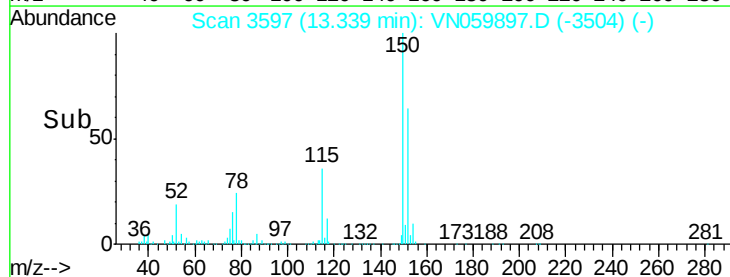
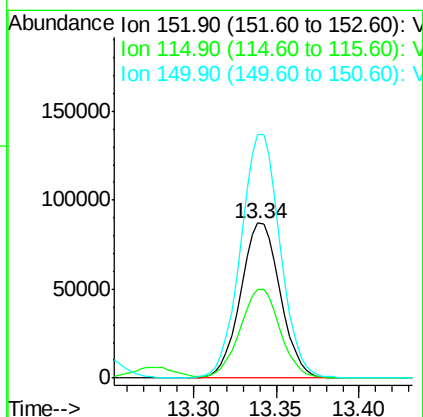
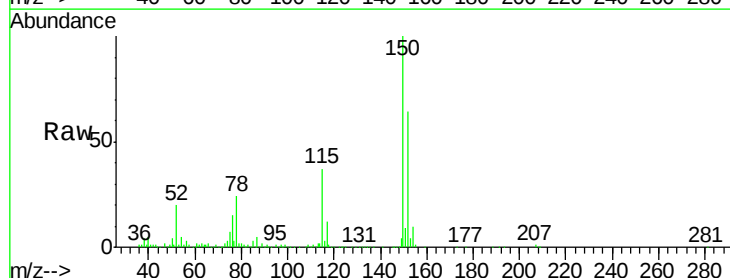
Manual Integrations
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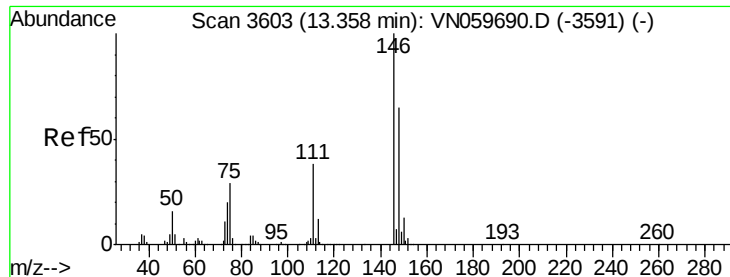
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1/29/2020 11:04:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	145033		
115	57.1		30.3	90.9
150	155.8		0.0	345.2





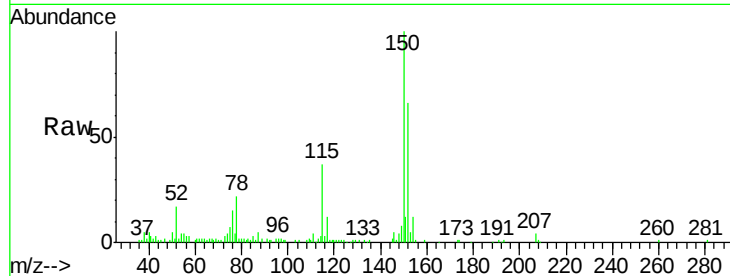
#88
 1,4-Dichlorobenzene
 Concen: 0.869 ug/l m
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

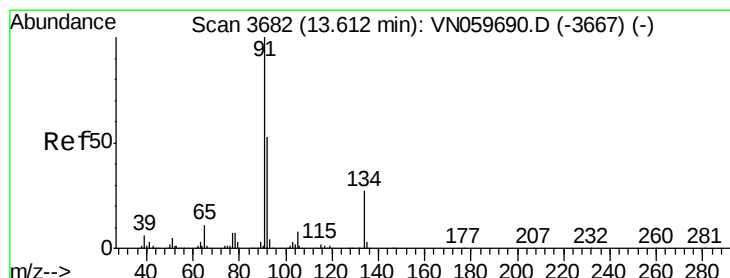
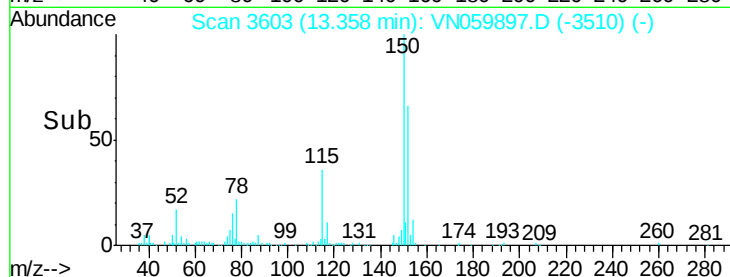
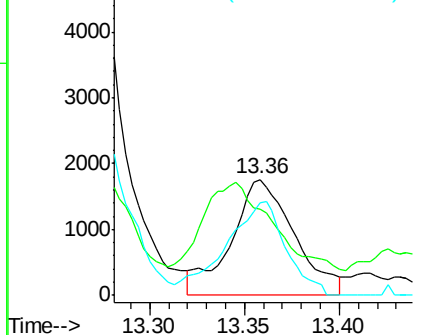
Tot Ion:146 Resp: 4058
 Ion Ratio Lower Upper
 146 100
 111 2976.3 20.8 62.2
 148 4752.9 31.8 95.4

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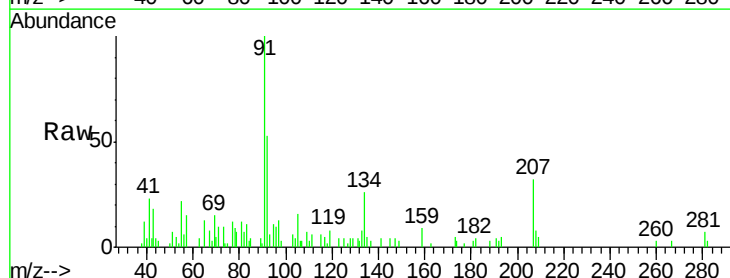


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

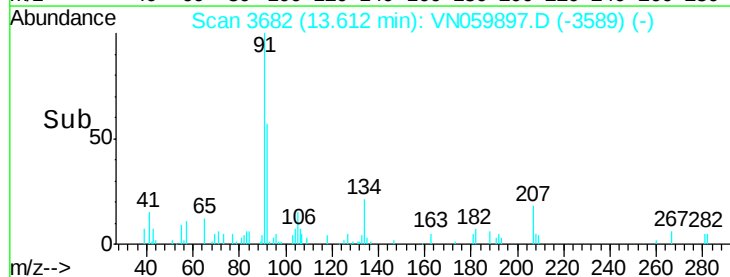
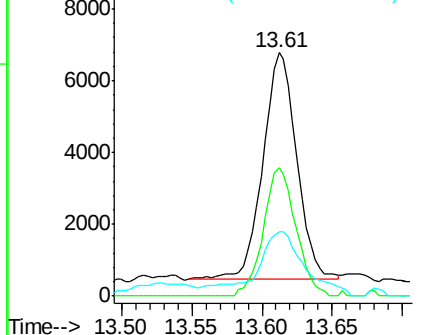


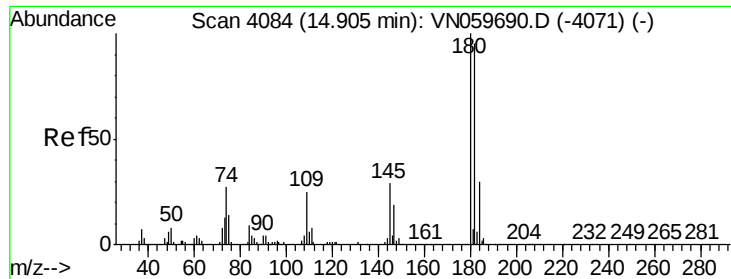
#89
 n-Butylbenzene
 Concen: 1.303 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion: 91 Resp: 10448
 Ion Ratio Lower Upper
 91 100
 92 54.9 25.9 77.7
 134 41.7 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VN
 Ion 92.00 (91.70 to 92.70): VN
 Ion 134.00 (133.70 to 134.70): V





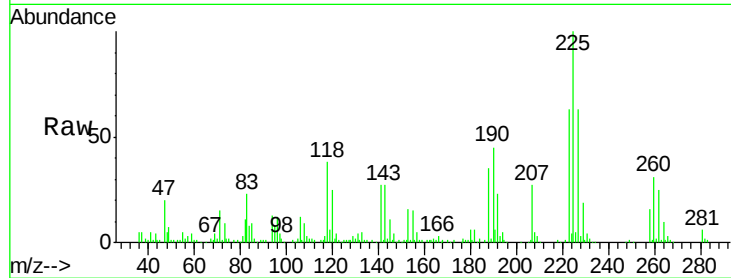
#93
 1,2,4-Trichlorobenzene
 Concen: 2.141 ug/l m
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

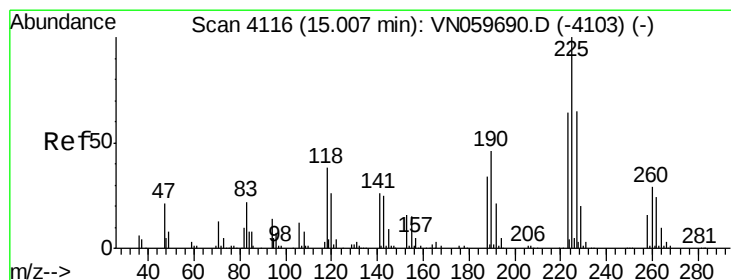
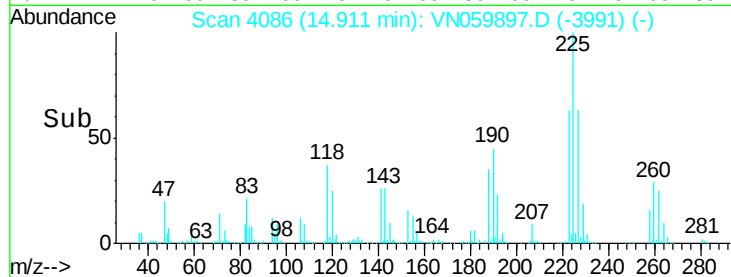
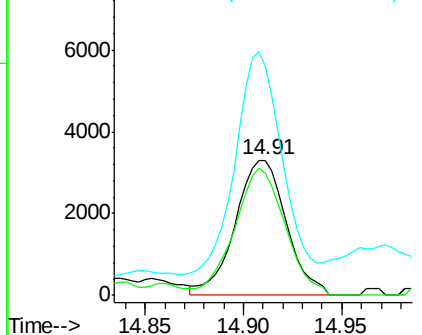
Tot Ion:180 Resp: 5952
 Ion Ratio Lower Upper
 180 100
 182 3272.5 46.9 140.7
 145 1086.7 15.0 45.1

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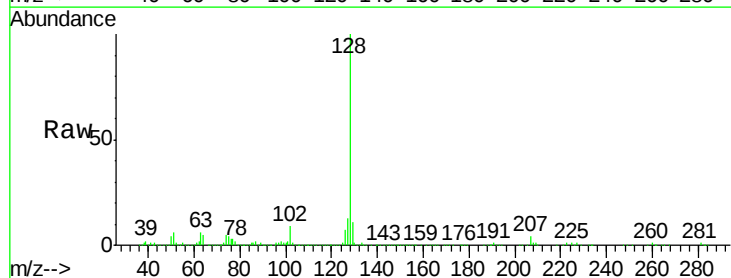


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

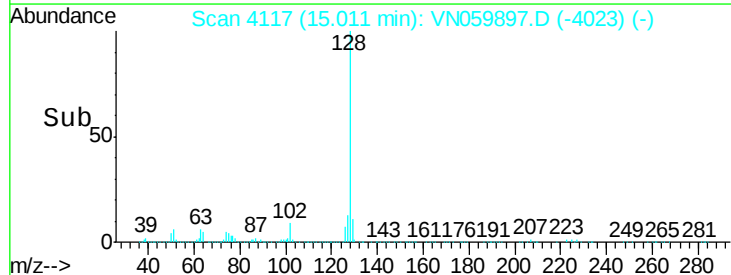
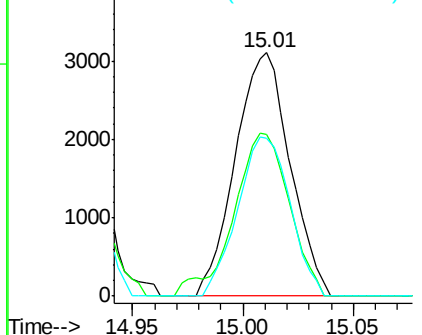


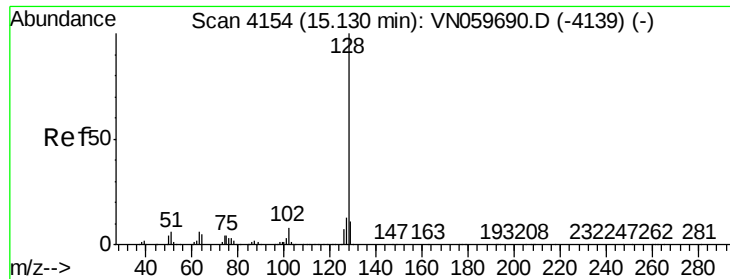
#94
 Hexachlorobutadiene
 Concen: 3.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion:225 Resp: 5348
 Ion Ratio Lower Upper
 225 100
 223 67.5 31.8 95.3
 227 62.3 32.1 96.5



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: 3.541 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

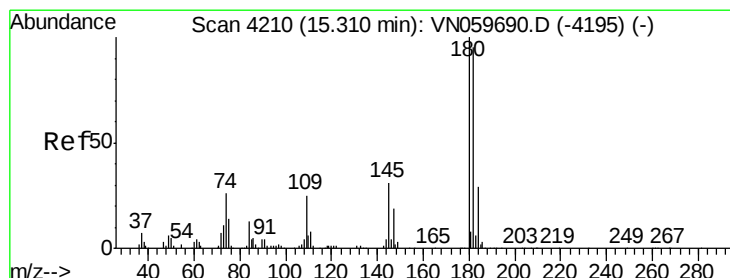
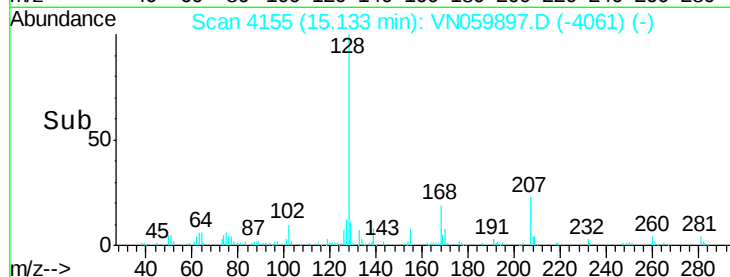
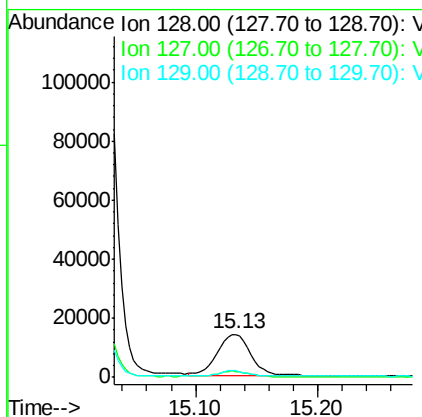
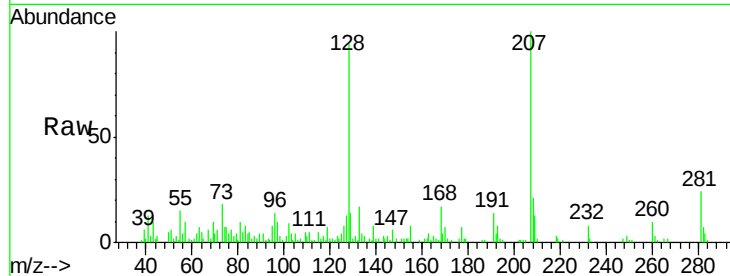
ClientSampled :

IBLK

Tot Ion:	128	Resp:	27993
Ion Ratio	Lower	Upper	
128	100		
127	11.2	10.4	15.6
129	11.2	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 2.565 ug/l m

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Tgt Ion:	180	Resp:	6940
Ion Ratio	Lower	Upper	
180	100		
182	2804.8	47.4	142.3#
145	933.6	16.3	48.9#

