

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059123.D
 Acq On : 7 Nov 2019 15:32
 Operator : JC/SP
 Sample : K5668-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-110619

Quant Time: Nov 08 01:16:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	435345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	666785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	592583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	271177	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.57	113	209183	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.08	98	834545	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.40	95	265255	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.72	59	405	0.397	ug/l #	72
13) Acrolein	3.58	56	443	0.842	ug/l #	82
14) Allyl chloride	4.53	41	19066	2.286	ug/l #	28
16) Acetone	3.79	43	36677	13.179	ug/l	99
17) Carbon Disulfide	4.03	76	4321	0.343	ug/l #	92
18) Methyl Acetate	4.31	43	5629	0.852	ug/l #	82
20) Methylene Chloride	4.53	84	490317	101.133	ug/l	100
25) 2-Butanone	6.82	43	6298	1.717	ug/l	100
29) Tetrahydrofuran	7.20	42	1073	0.460	ug/l #	57
31) Cyclohexane	7.64	56	9295	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32605	5.231	ug/l #	50
38) Carbon Tetrachloride	7.64	117	41574	6.702	ug/l #	16
41) Methacrylonitrile	7.21	41	930	0.308	ug/l #	100
43) Isopropyl Acetate	8.14	43	115793	10.476	ug/l #	86
45) 1,2-Dichloropropane	9.25	63	2726	0.535	ug/l #	44
48) Methyl methacrylate	9.17	41	6969	1.410	ug/l #	14
49) 1,4-Dioxane	9.25	88	210	2.390	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	9622	1.538	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	47881	6.074	ug/l #	63
56) Ethyl methacrylate	10.54	69	1941	2.119	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	8695	1.110	ug/l #	42
59) 2-Hexanone	10.76	43	127268	26.511	ug/l #	53
71) Bromoform	12.41	173	1501	0.445	ug/l #	1
74) N-amyl acetate	12.03	43	6480	0.973	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	131098	26.651	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4477	0.336	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131098	70.393	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.05	105	4218	0.327	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	1634	0.242	ug/l	92
88) 1,4-Dichlorobenzene	13.29	146	1634	0.242	ug/l	92
89) n-Butylbenzene	13.62	91	2944	0.255	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1841	0.277	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.28	75	827	0.800	ug/l #	27
93) 1,2,4-Trichlorobenzene	14.92	180	3244	3.801	ug/l	91

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

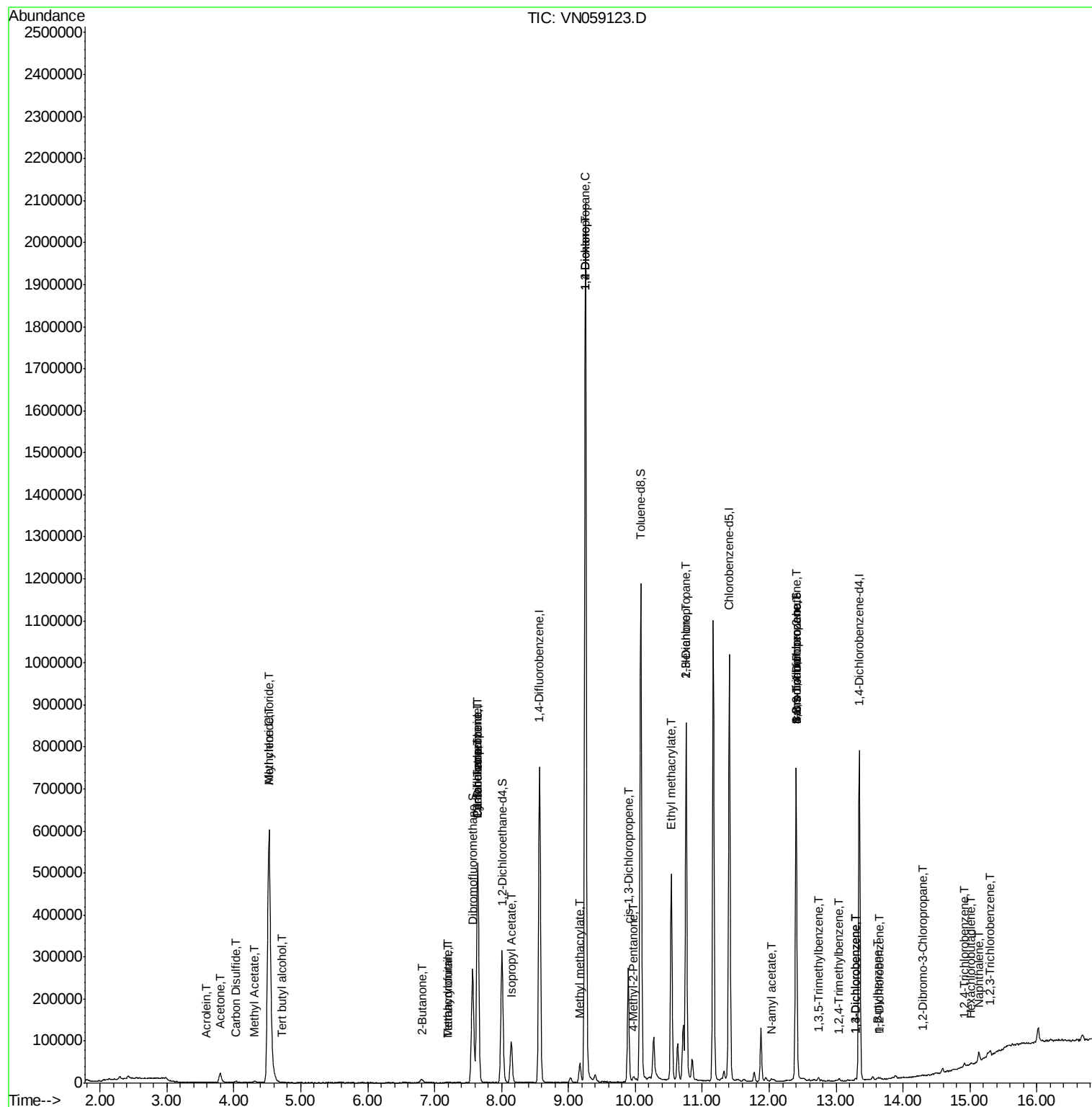
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	780	0.340	ug/l	99
95) Naphthalene	15.13	128	18586	4.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	3910	1.049	ug/l	95

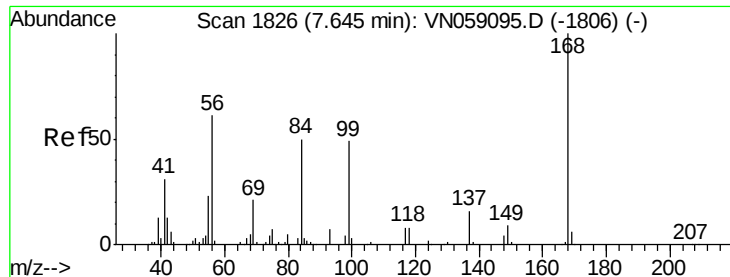
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

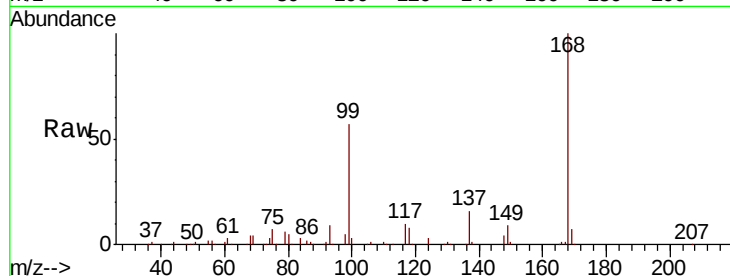
HD-01-110619

Tot Ion:168 Resp: 435345

Ion Ratio Lower Upper

168 100

99 57.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

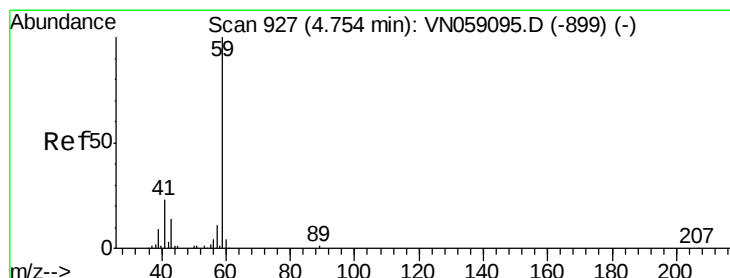
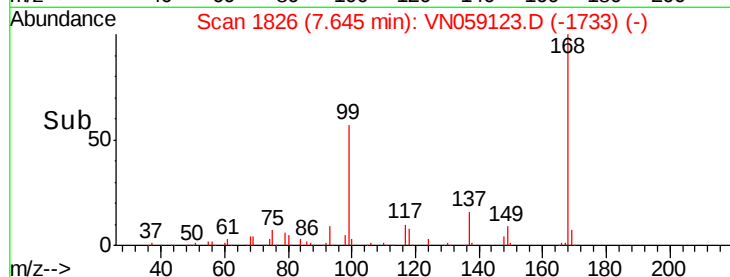
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.397 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN059123.D

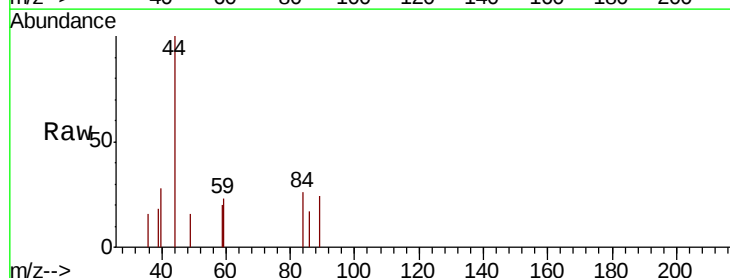
Acq: 7 Nov 2019 15:32

Tgt Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

500

400

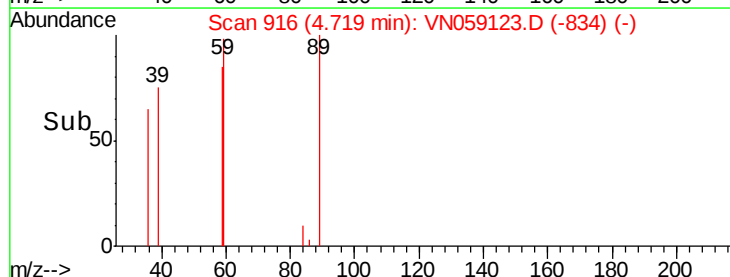
300

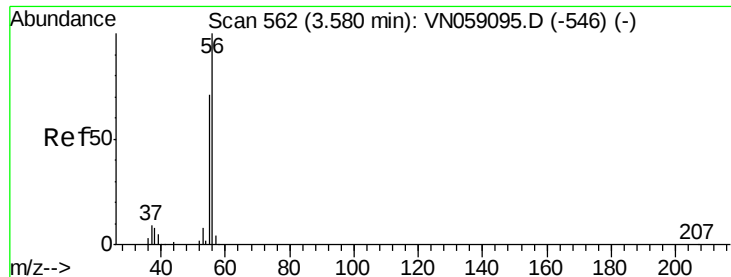
200

100

0

Time-->





#13

Acrolein

Concen: 0.842 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

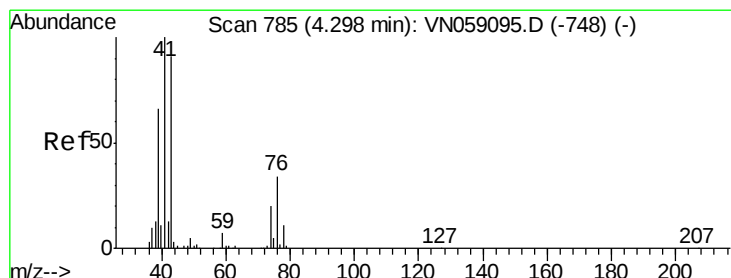
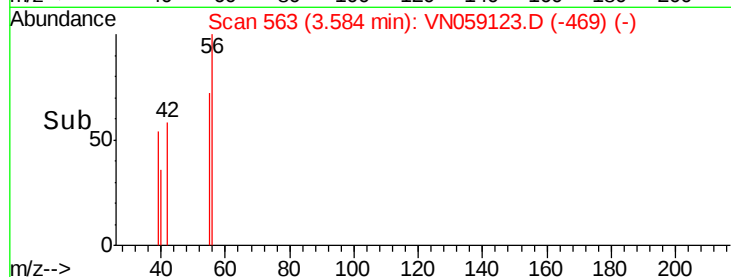
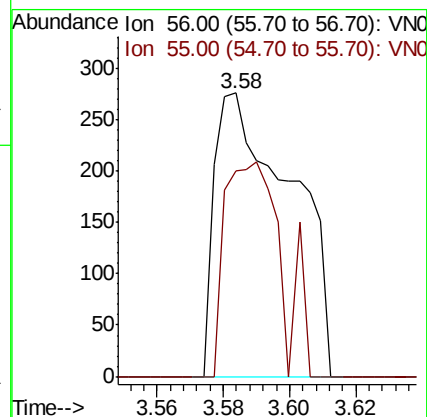
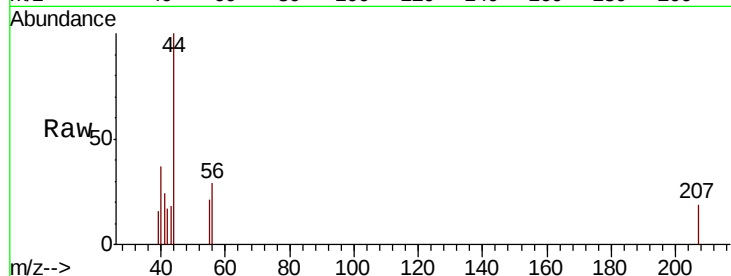
HD-01-110619

Tot Ion: 56 Resp: 443

Ion Ratio Lower Upper

56 100

55 55.5 56.4 84.6#



#14

Allyl chloride

Concen: 2.286 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

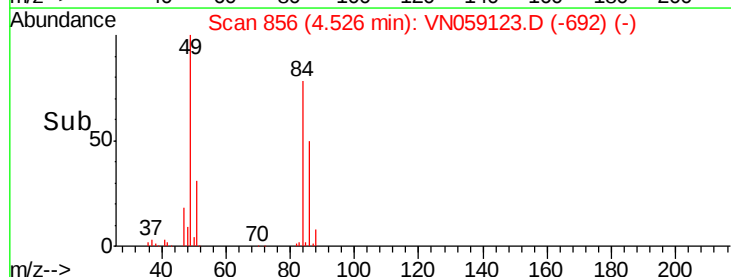
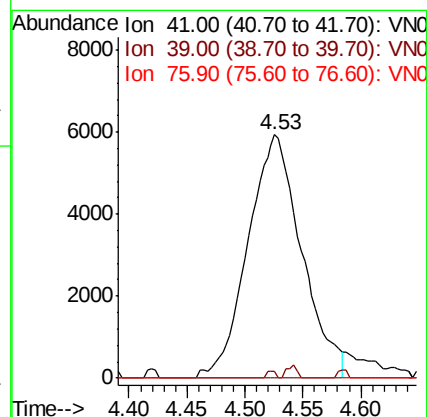
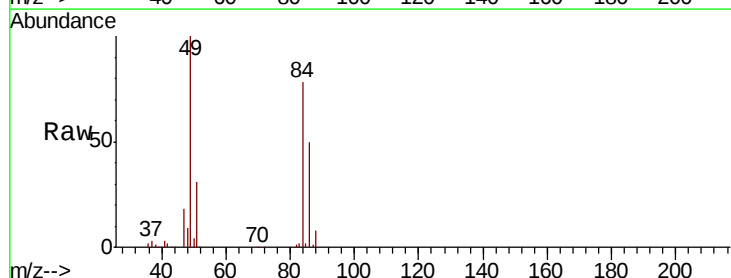
Tgt Ion: 41 Resp: 19066

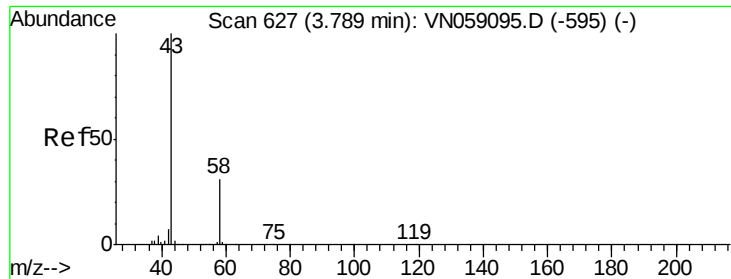
Ion Ratio Lower Upper

41 100

39 0.5 49.1 73.7#

76 0.0 24.9 37.3#





#16

Acetone

Concen: 13.179 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

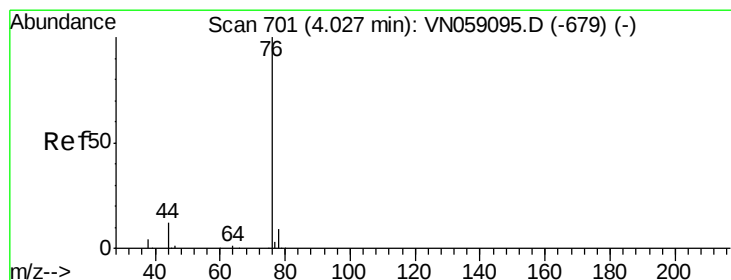
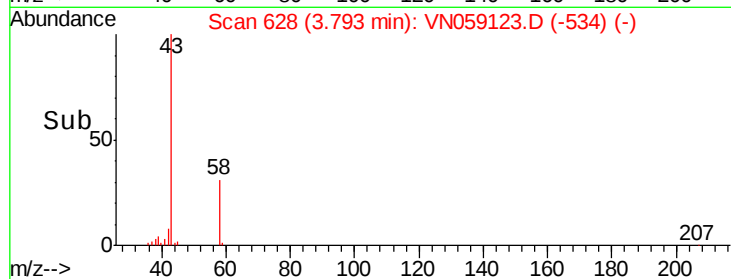
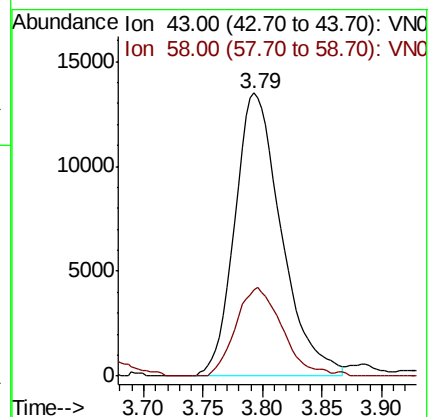
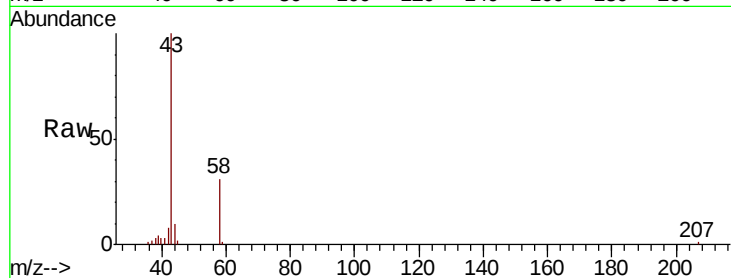
HD-01-110619

Tot Ion: 43 Resp: 36677

Ion Ratio Lower Upper

43 100

58 30.6 24.9 37.3



#17

Carbon Disulfide

Concen: 0.343 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059123.D

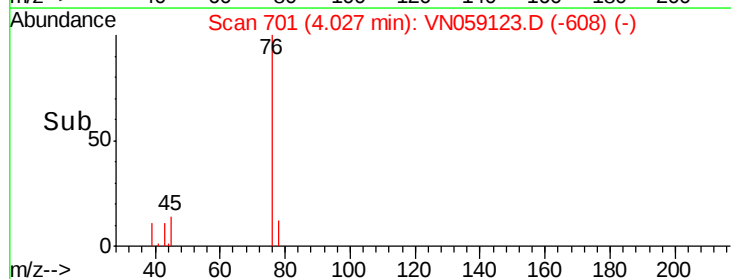
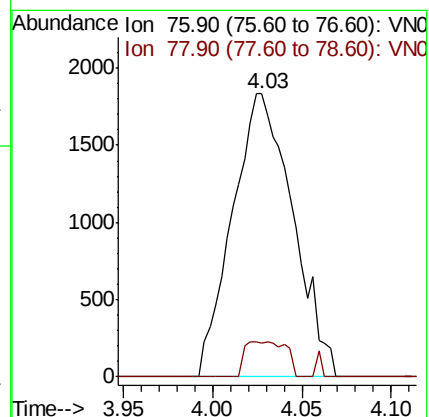
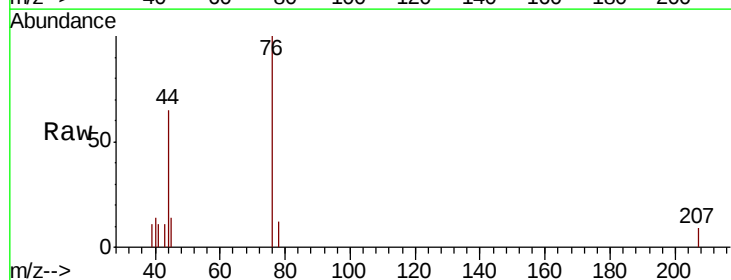
Acq: 7 Nov 2019 15:32

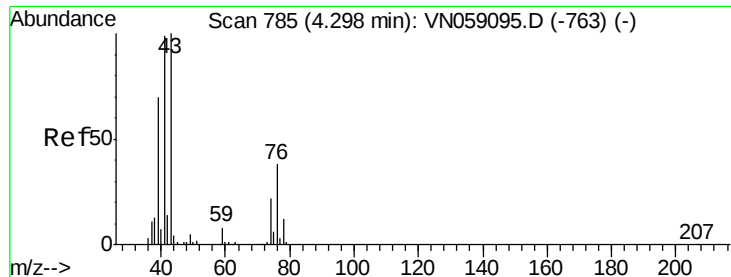
Tgt Ion: 76 Resp: 4321

Ion Ratio Lower Upper

76 100

78 11.9 7.4 11.0#

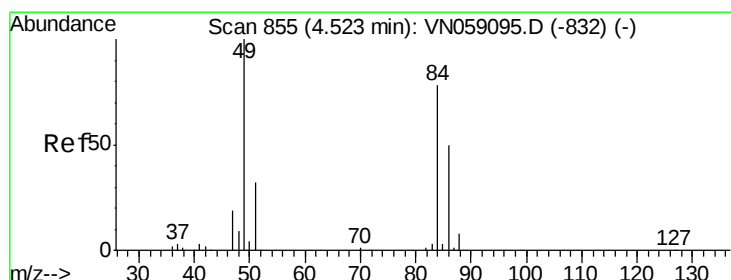
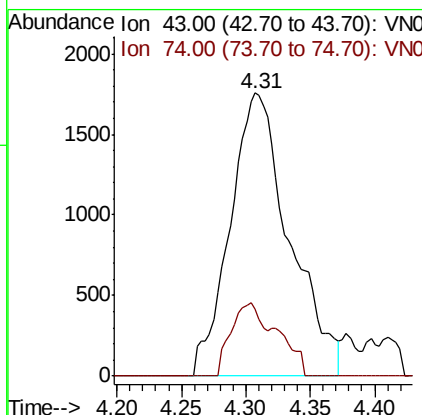
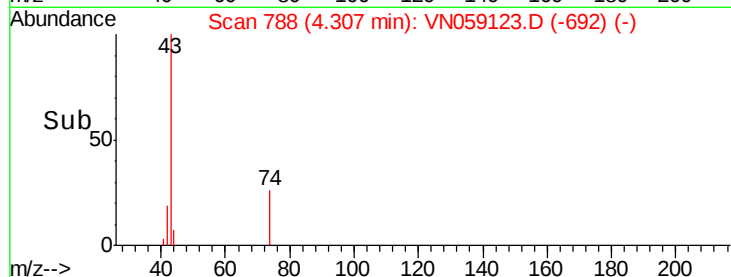
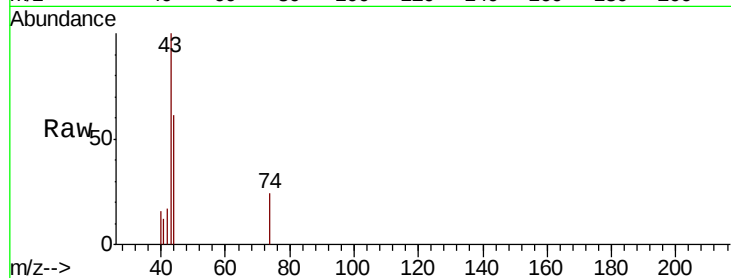




#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

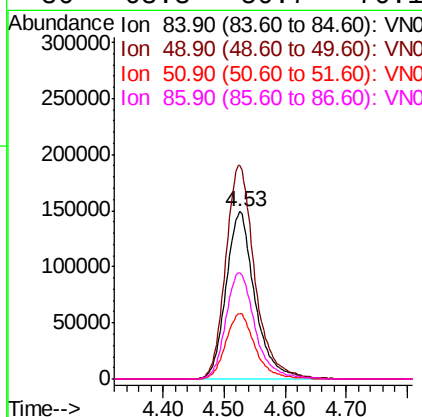
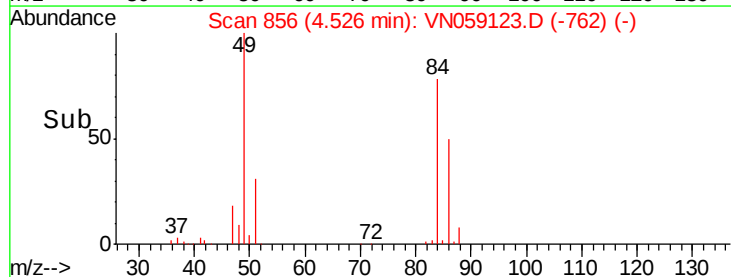
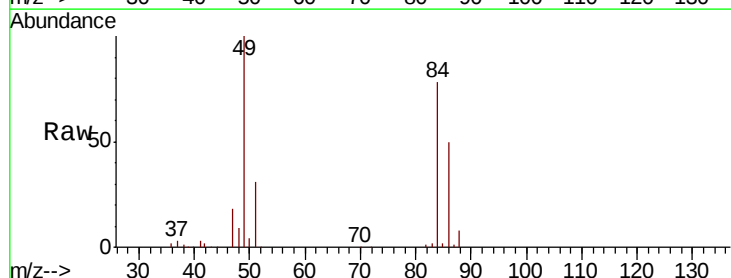
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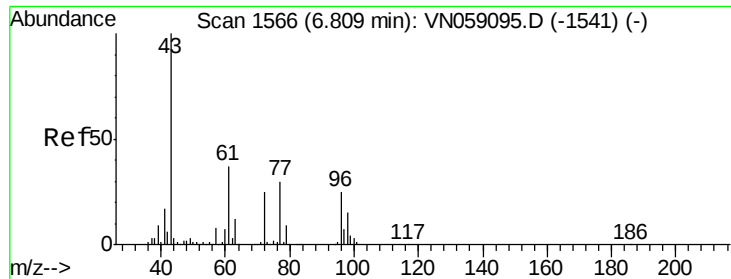
Tot Ion: 43 Resp: 5629
Ion Ratio Lower Upper
43 100
74 13.8 17.8 26.8#



#20
Methylene Chloride
Concen: 101.133 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Tgt Ion: 84 Resp: 490317
Ion Ratio Lower Upper
84 100
49 127.7 102.0 153.0
51 39.3 32.2 48.2
86 63.3 50.7 76.1

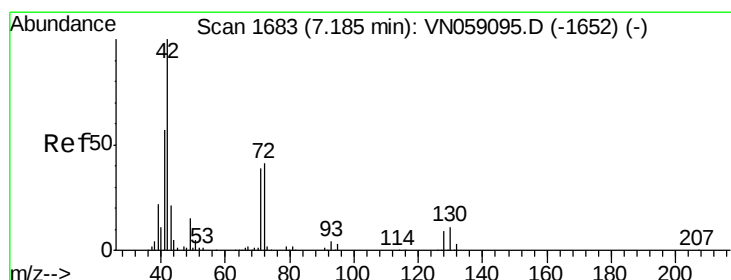
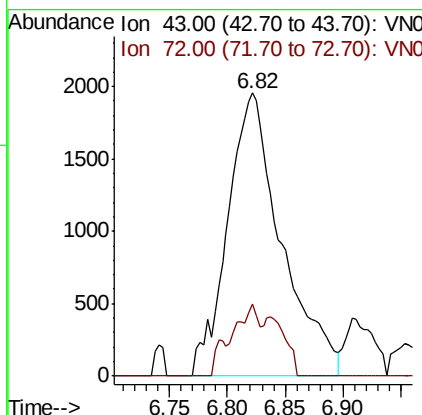
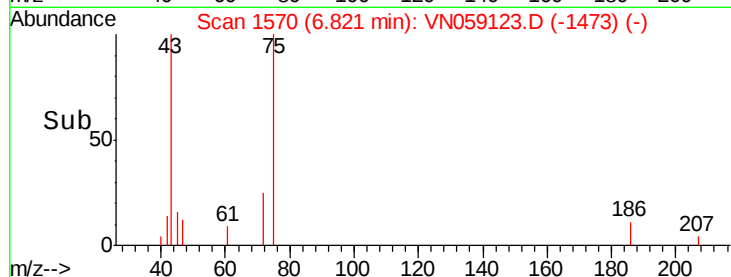
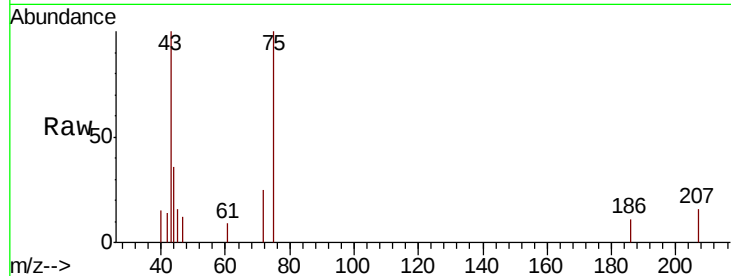




#25
2-Butanone
Concen: 1.717 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

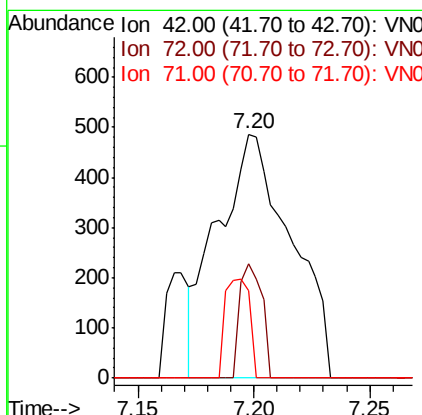
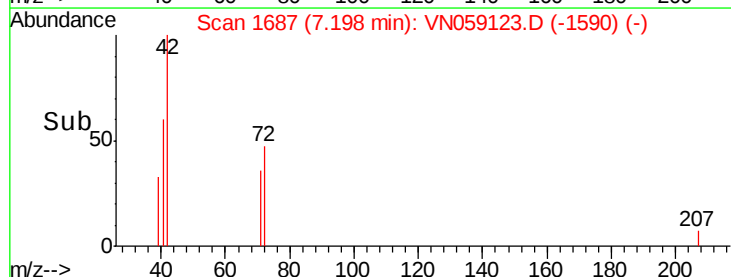
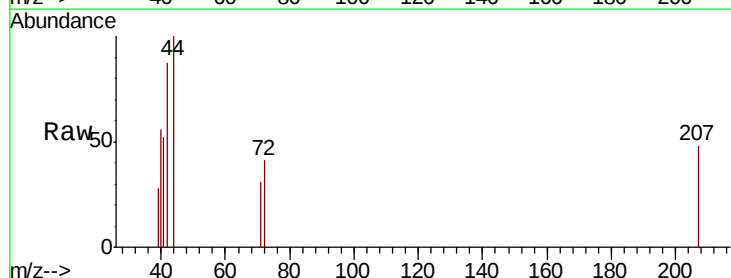
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HD-01-110619

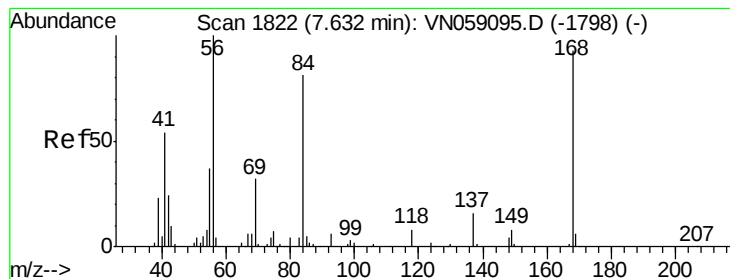
Tot Ion: 43 Resp: 6298
Ion Ratio Lower Upper
43 100
72 25.4 20.3 30.5



#29
Tetrahydrofuran
Concen: 0.460 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Tgt Ion: 42 Resp: 1073
Ion Ratio Lower Upper
42 100
72 13.9 33.1 49.7#
71 13.2 30.9 46.3#





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

HD-01-110619

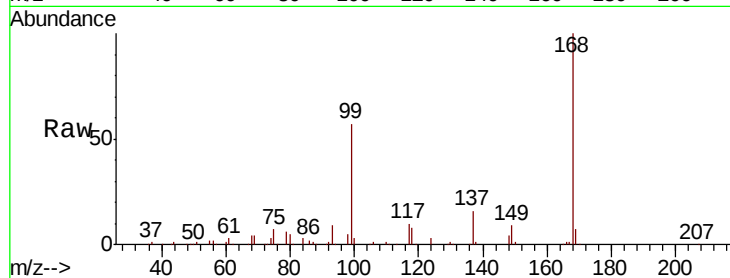
Tot Ion: 56 Resp: 9295

Ion Ratio Lower Upper

56 100

69 168.3 25.8 38.8#

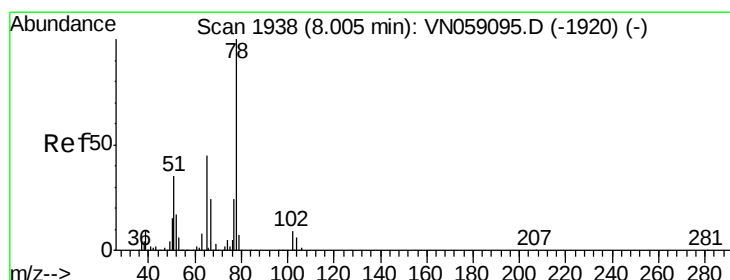
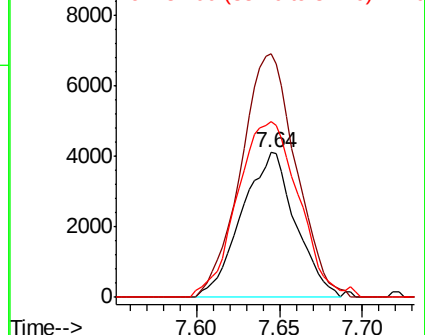
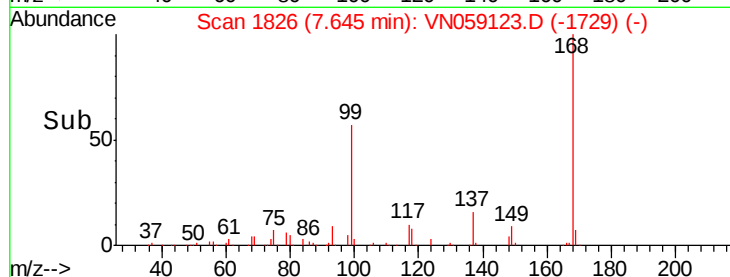
84 121.5 65.0 97.4#



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: 50.673 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059123.D

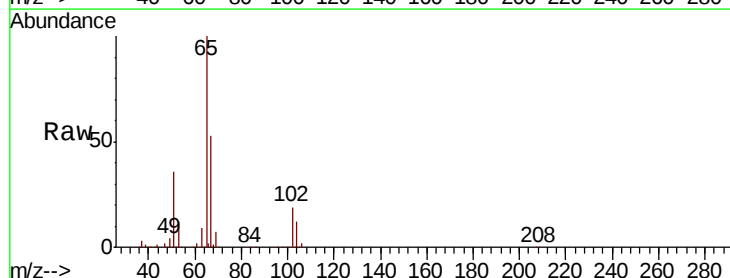
Acq: 7 Nov 2019 15:32

Tgt Ion: 65 Resp: 271177

Ion Ratio Lower Upper

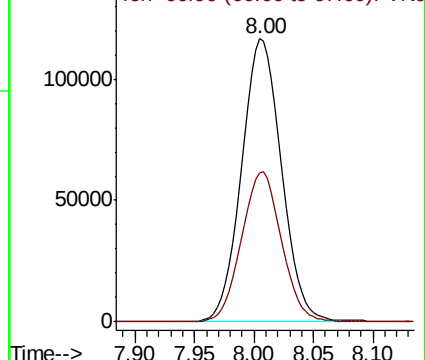
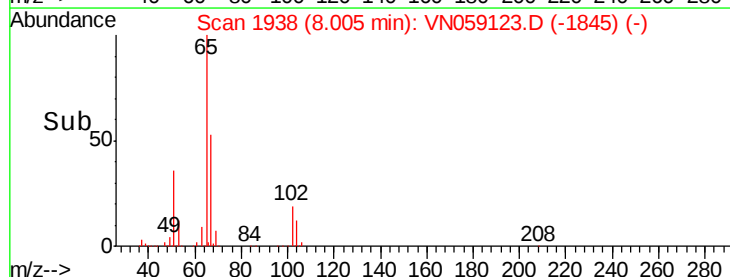
65 100

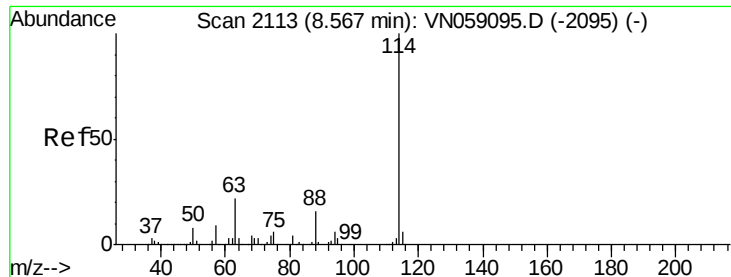
67 53.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

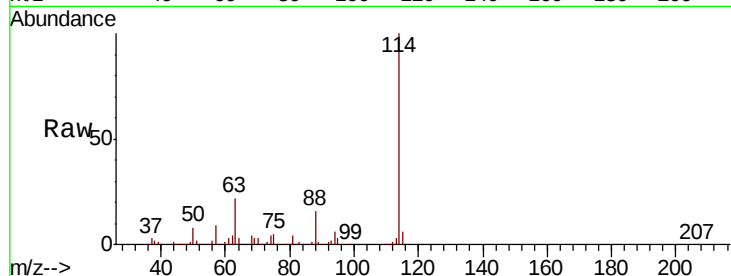




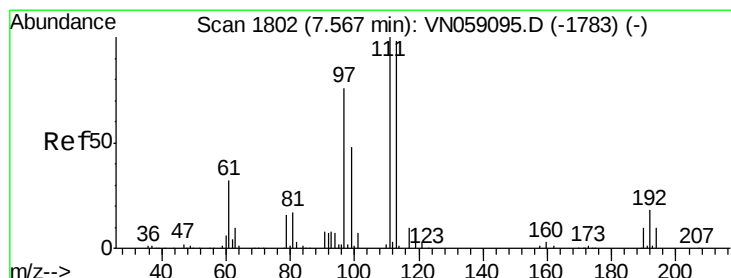
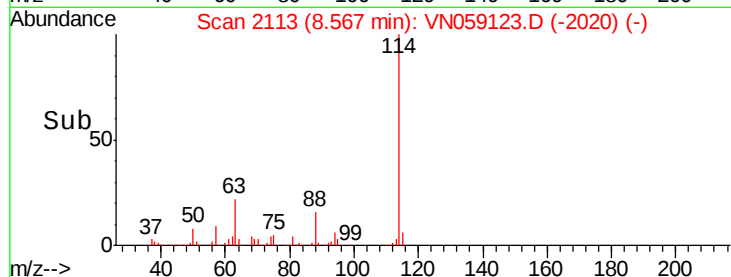
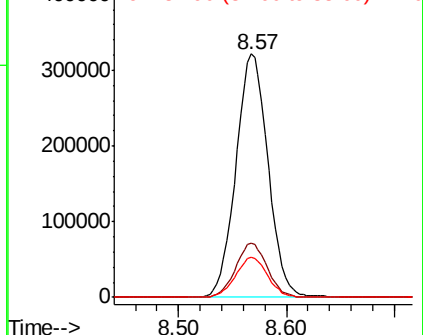
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-110619

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.4
88	16.3	0.0	32.2

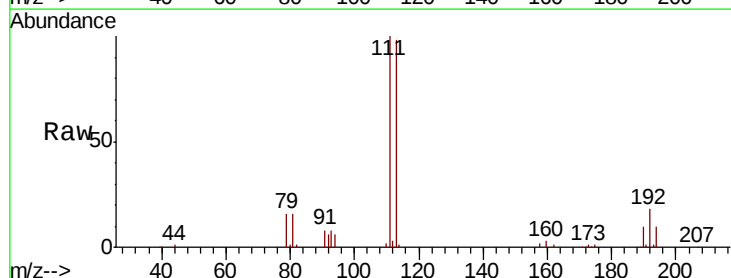


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

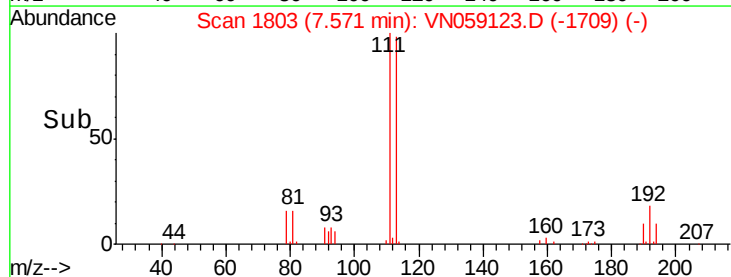
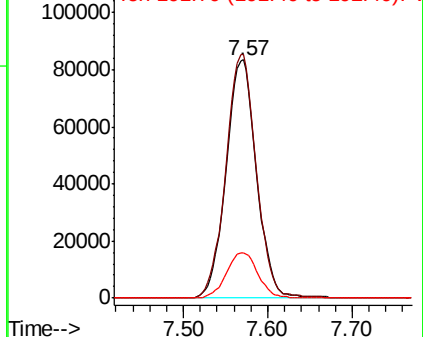


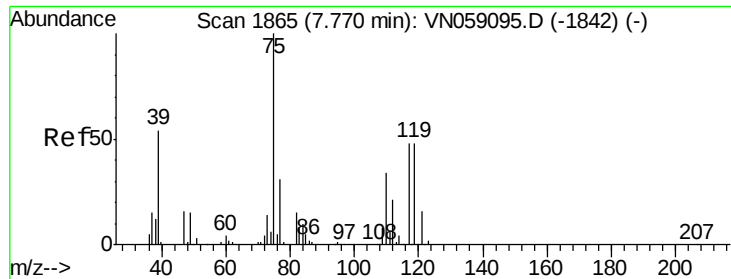
#35
 Dibromofluoromethane
 Concen: 52.541 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	19.8	16.1	24.1



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

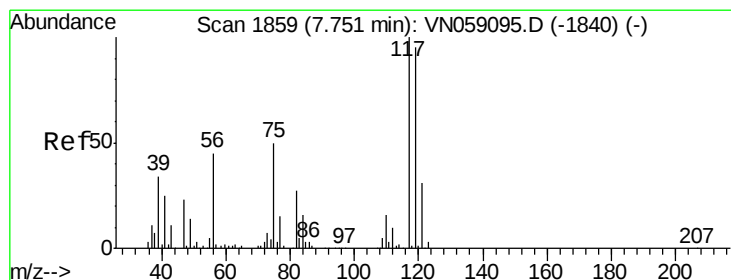
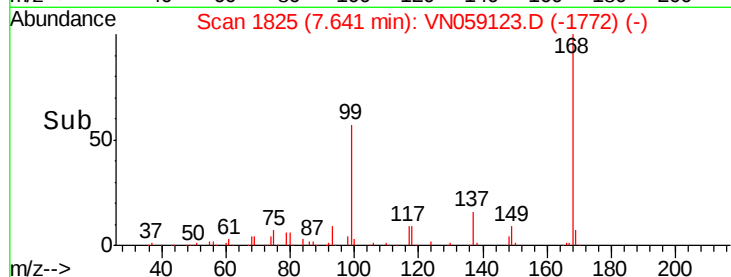
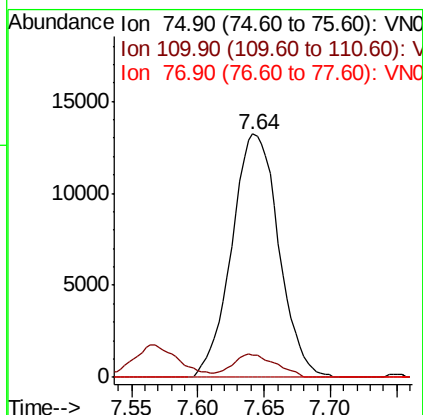
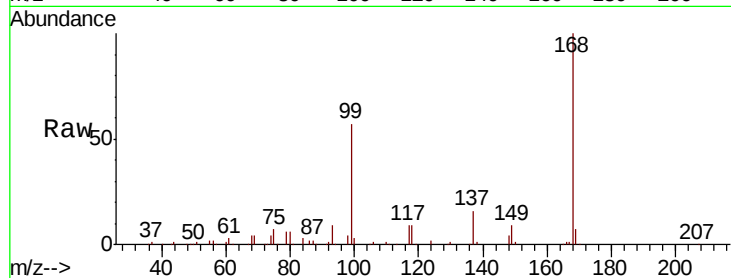




#36
 1,1-Dichloropropene
 Concen: 5.231 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

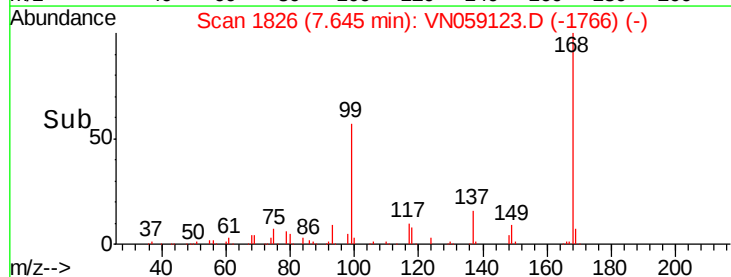
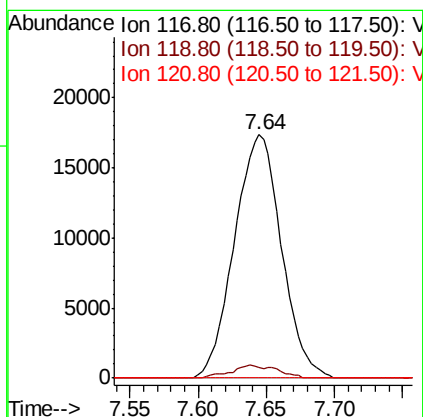
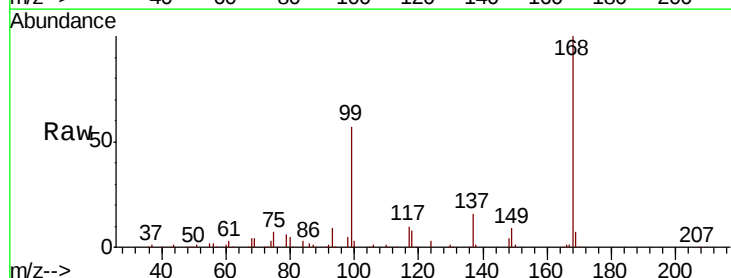
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-110619

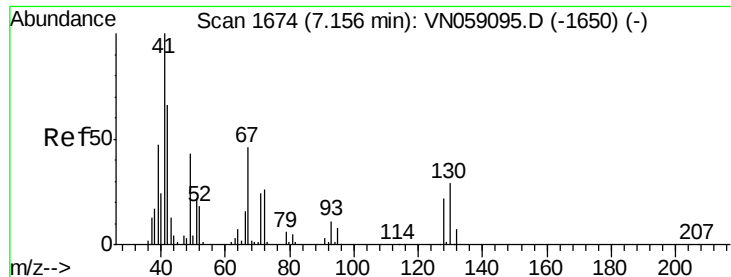
Tot Ion	75	Resp	32605
Ion Ratio	Lower	Upper	
75	100		
110	8.8	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.702 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Tgt Ion	117	Resp	41574
Ion Ratio	Lower	Upper	
117	100		
119	4.3	75.6	113.4#
121	0.0	24.6	36.8#

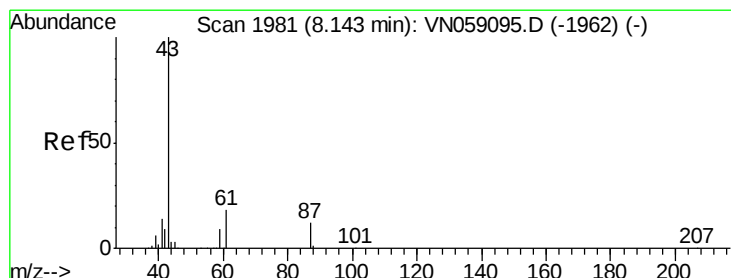
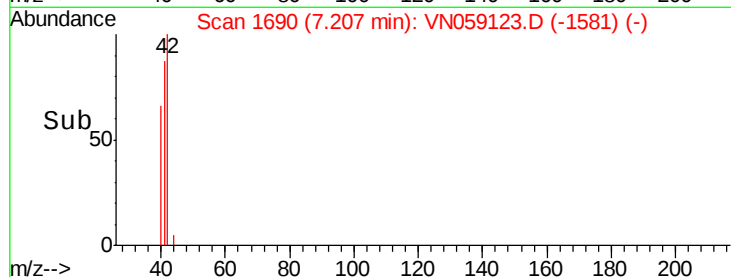
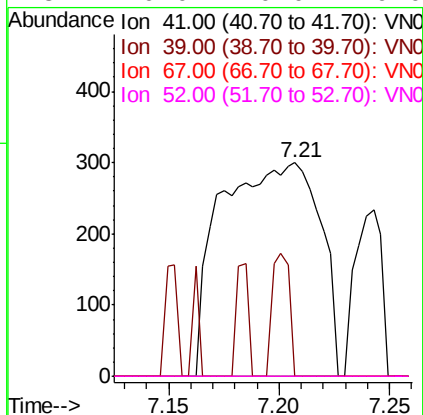
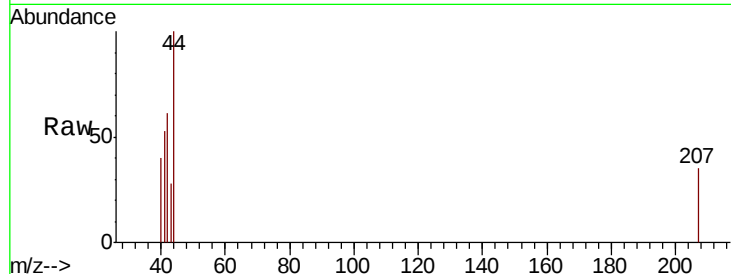




#41
Methacrylonitrile
Concen: 0.308 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.05 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

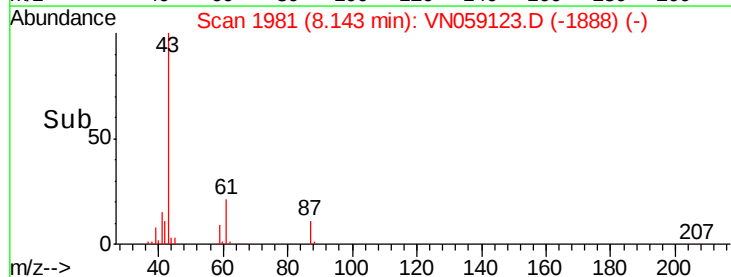
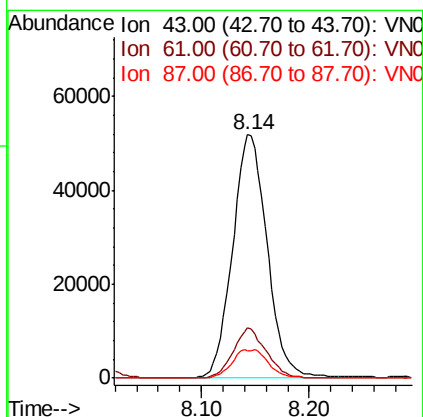
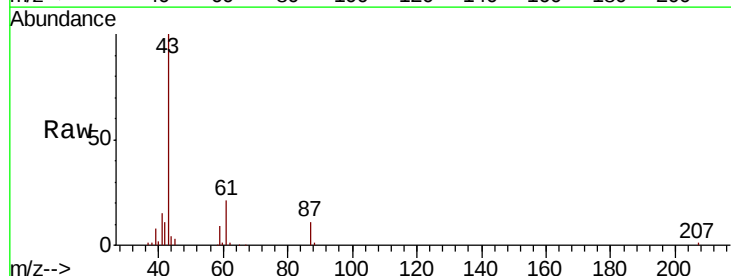
Instrument :
MSVOA_N
ClientSampleId :
HD-01-110619

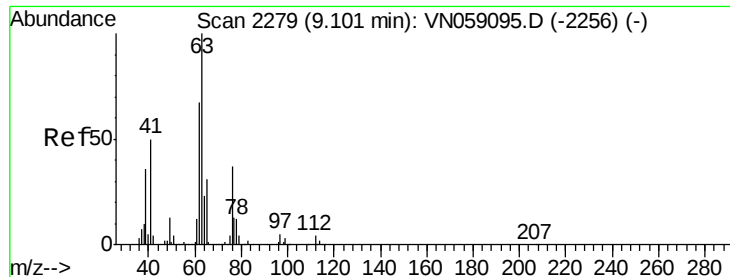
Tot Ion:	41	Resp:	930
Ion	Ratio	Lower	Upper
41	100		
39	10.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.476 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Tgt Ion:	43	Resp:	115793
Ion	Ratio	Lower	Upper
43	100		
61	19.5	21.0	31.6#
87	5.8	9.8	14.6#





#45

1,2-Dichloropropane

Concen: 0.535 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

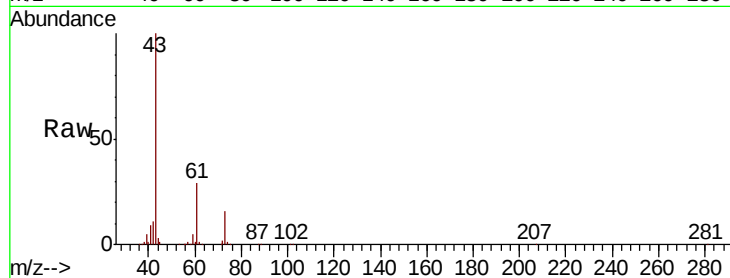
HD-01-110619

Tot Ion: 63 Resp: 2726

Ion Ratio Lower Upper

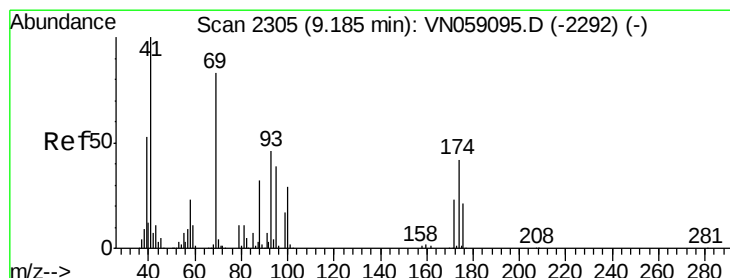
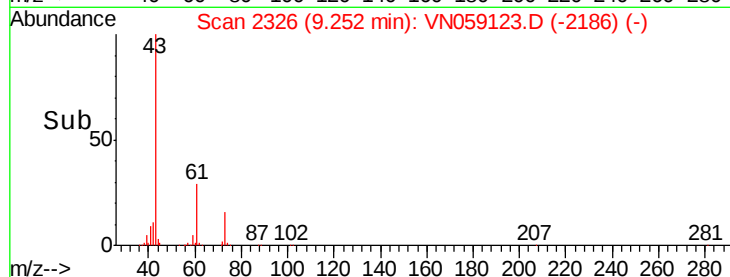
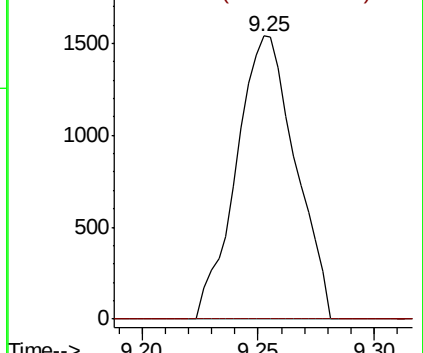
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.410 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

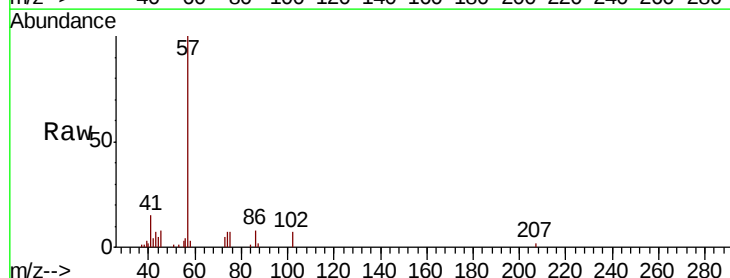
Tgt Ion: 41 Resp: 6969

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

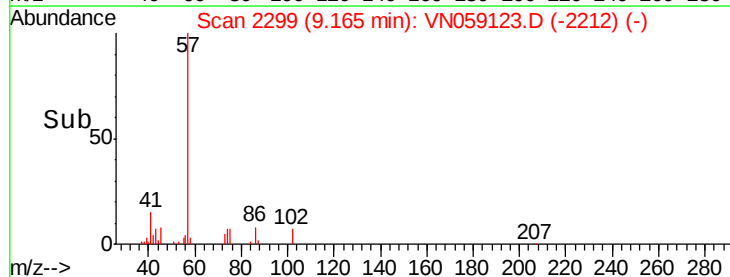
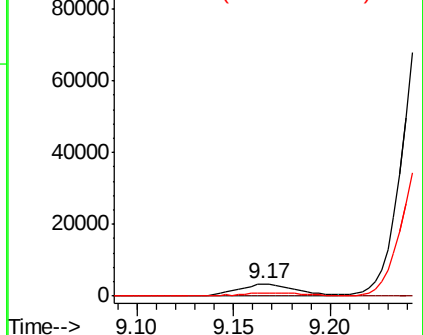
39 0.0 43.3 64.9#

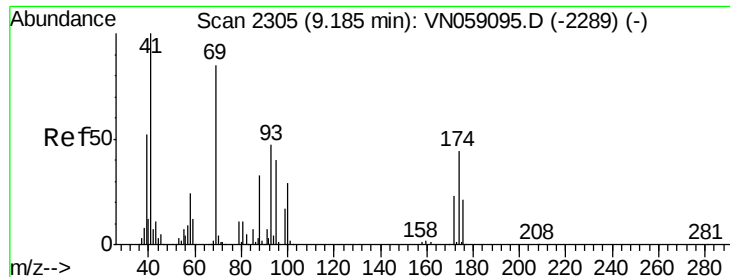


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 2.390 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.06 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

HD-01-110619

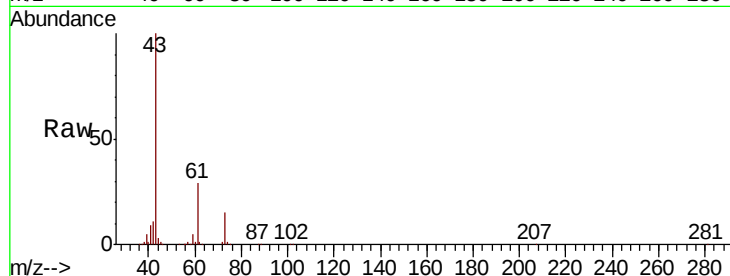
Tot Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 997045.2 26.3 39.5#

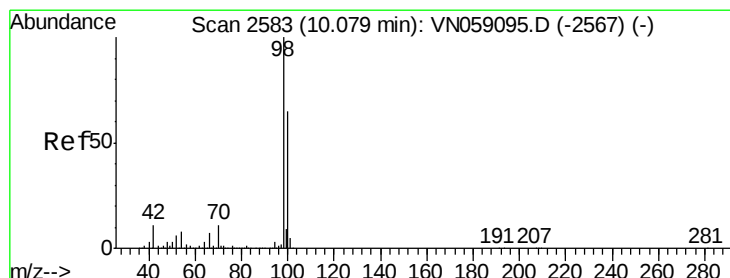
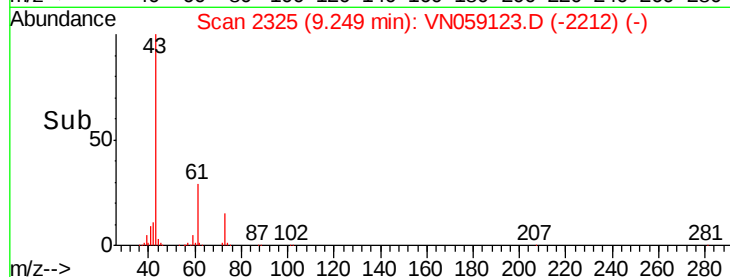
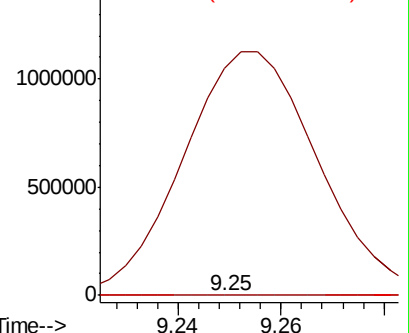
58 4336.2 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 53.216 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059123.D

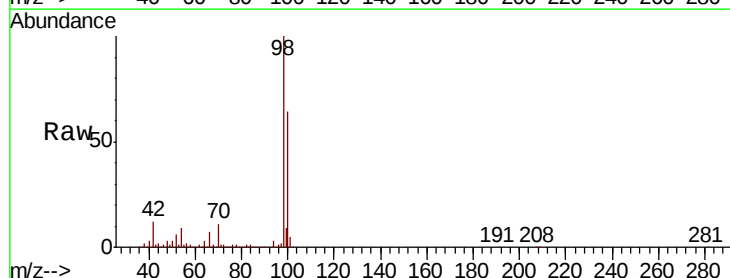
Acq: 7 Nov 2019 15:32

Tgt Ion: 98 Resp: 834545

Ion Ratio Lower Upper

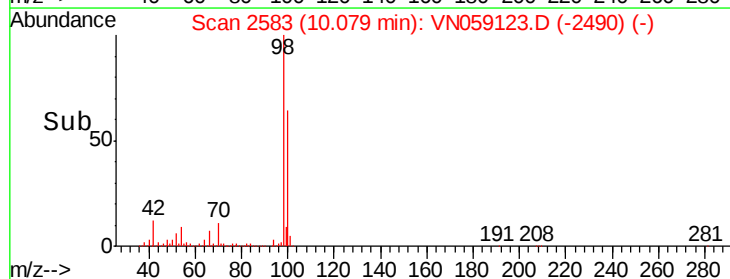
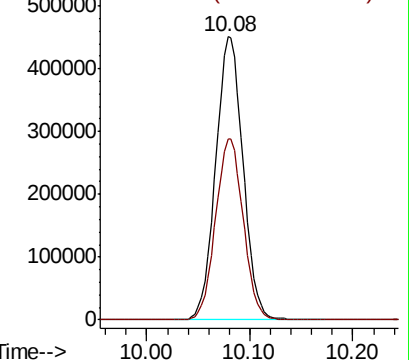
98 100

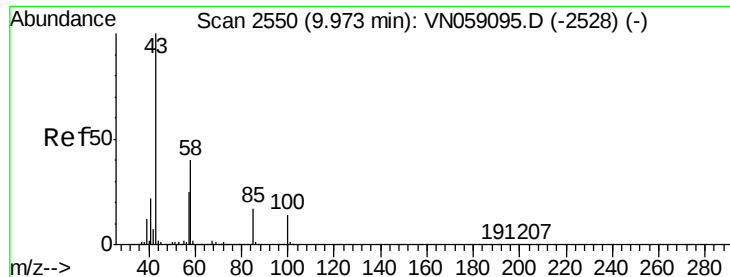
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.538 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

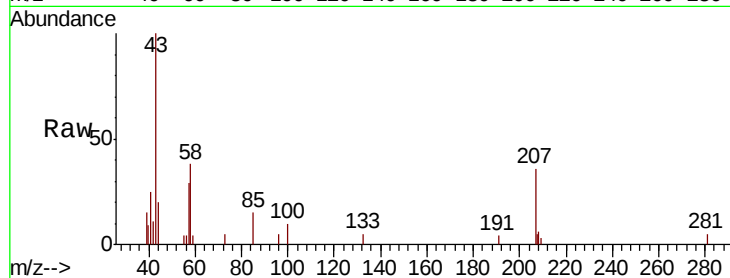
HD-01-110619

Tot Ion: 43 Resp: 9622

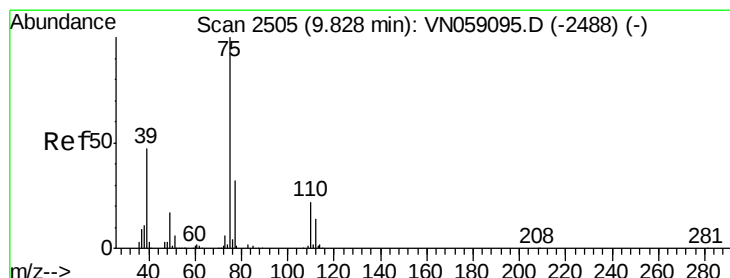
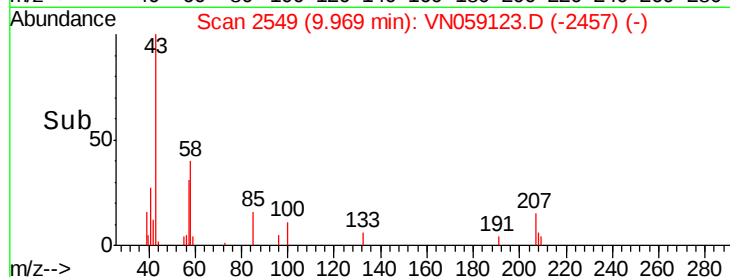
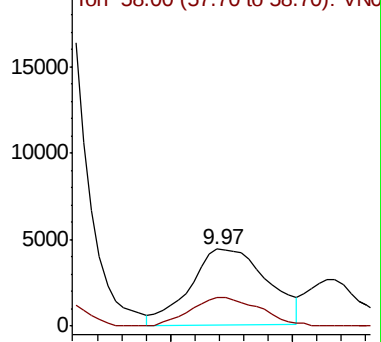
Ion Ratio Lower Upper

43 100

58 34.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059123.D (-2549) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.074 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

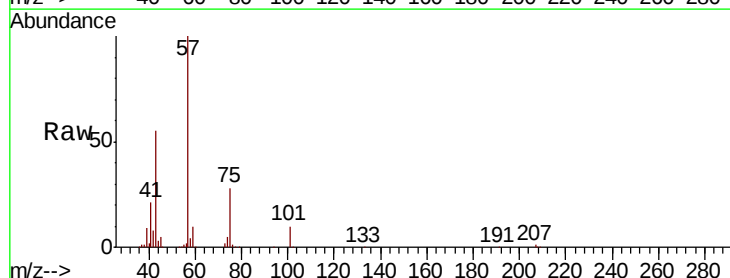
Tgt Ion: 75 Resp: 47881

Ion Ratio Lower Upper

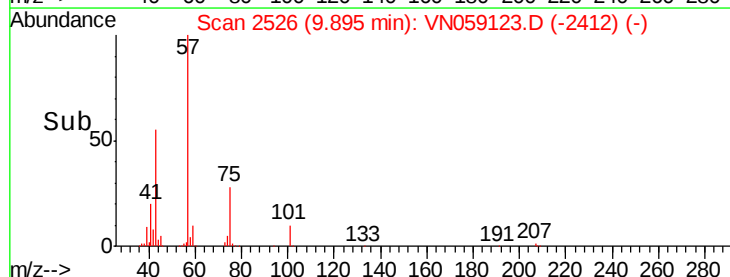
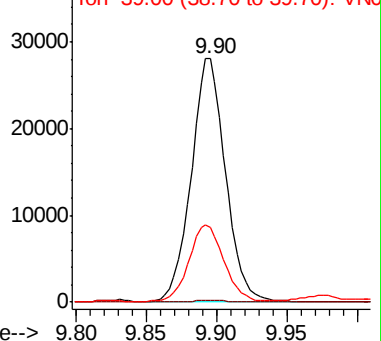
75 100

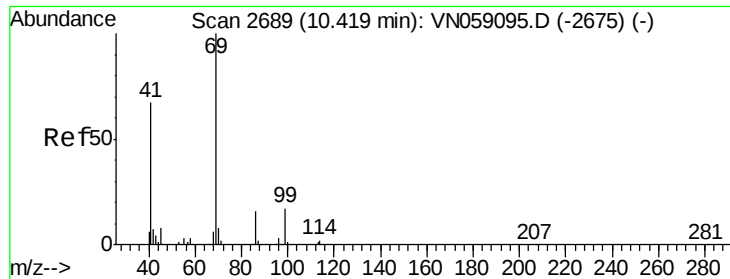
77 0.7 25.5 38.3#

39 30.5 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VN059123.D (-2526) (-)





#56

Ethyl methacrylate

Concen: 2.119 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

HD-01-110619

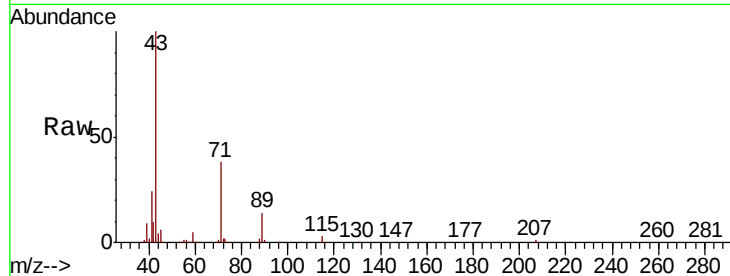
Tot Ion: 69 Resp: 1941

Ion Ratio Lower Upper

69 100

41 4603.9 53.6 80.4#

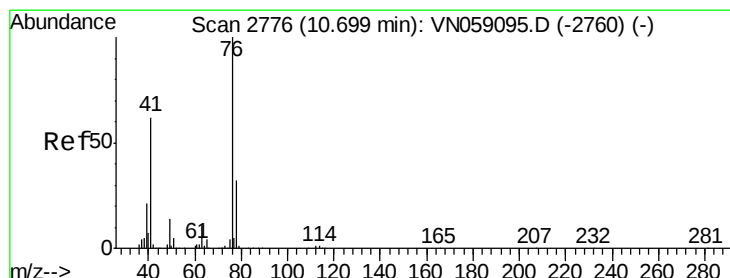
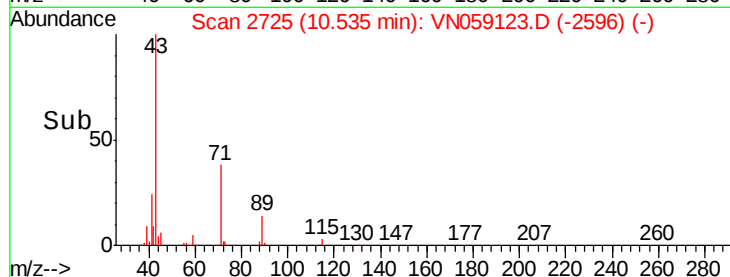
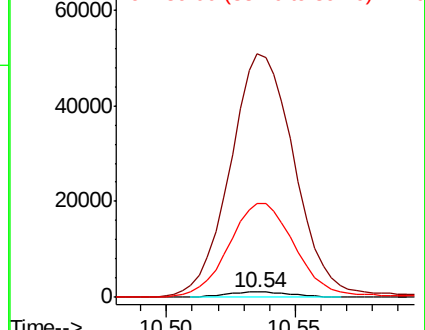
39 1828.3 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.110 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059123.D

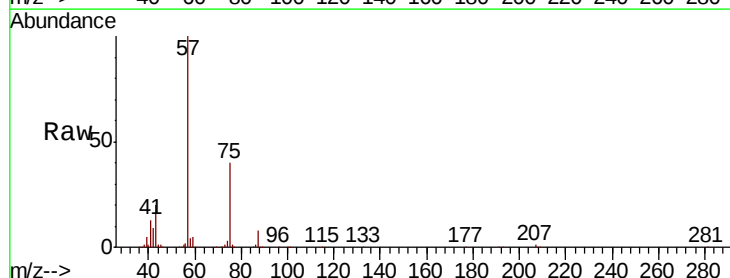
Acq: 7 Nov 2019 15:32

Tgt Ion: 76 Resp: 8695

Ion Ratio Lower Upper

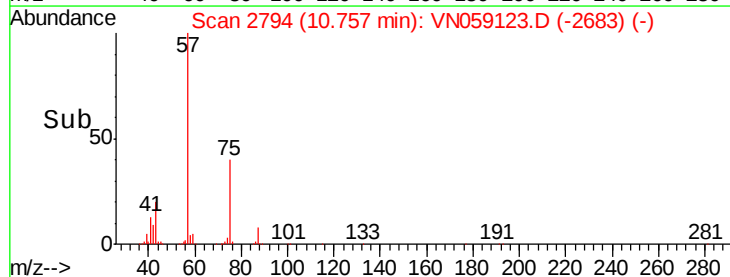
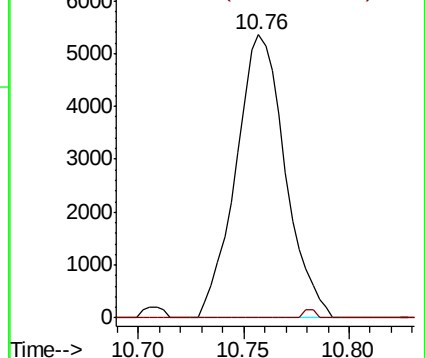
76 100

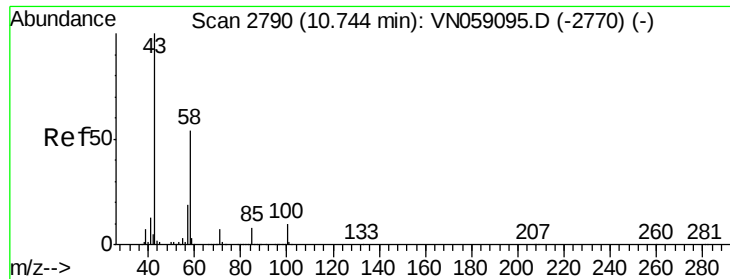
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

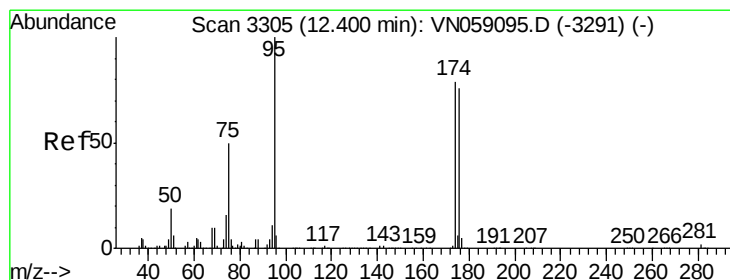
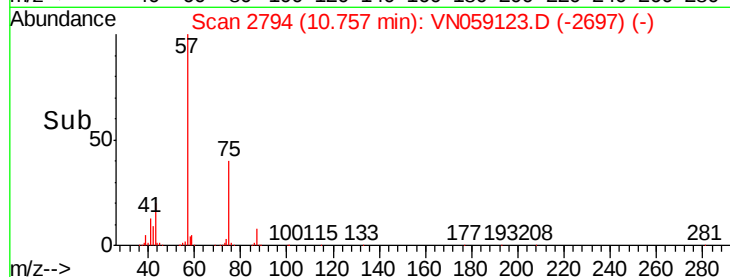
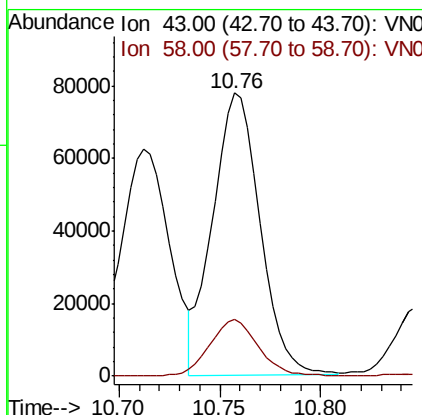
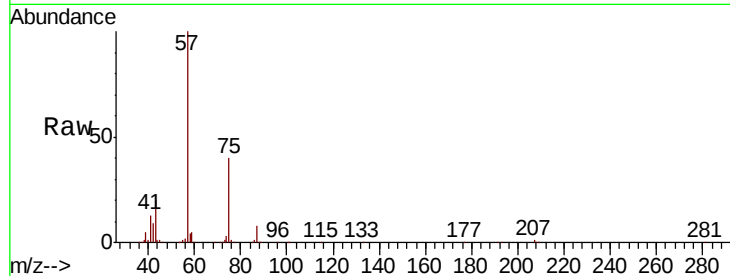




#59
 2-Hexanone
 Concen: 26.511 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

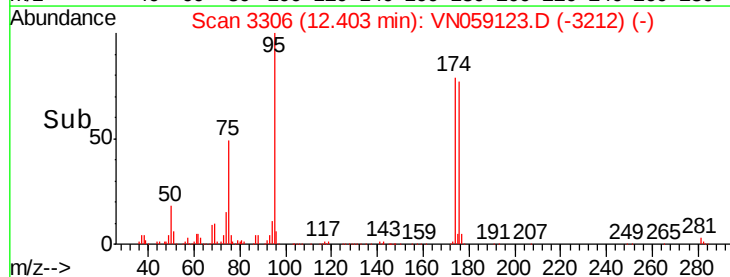
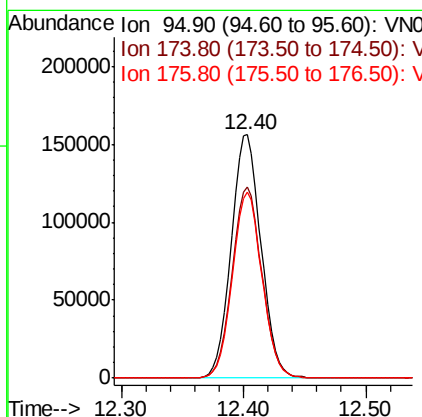
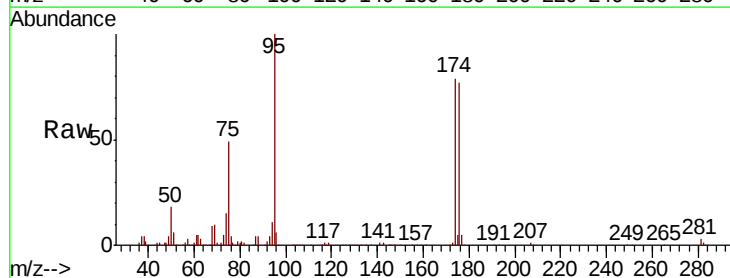
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-110619

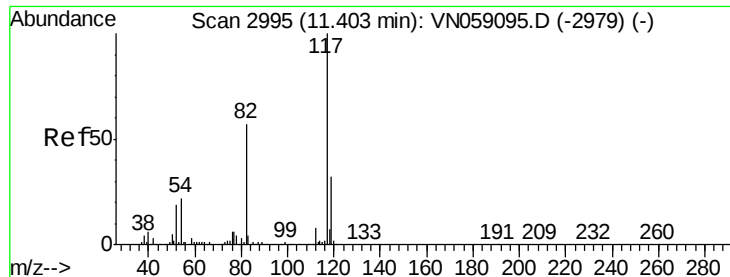
Tot Ion: 43 Resp: 127268
 Ion Ratio Lower Upper
 43 100
 58 20.6 27.3 81.8#



#62
 4-Bromofluorobenzene
 Concen: 46.911 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Tgt Ion: 95 Resp: 265255
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 158.2
 176 75.9 0.0 151.8

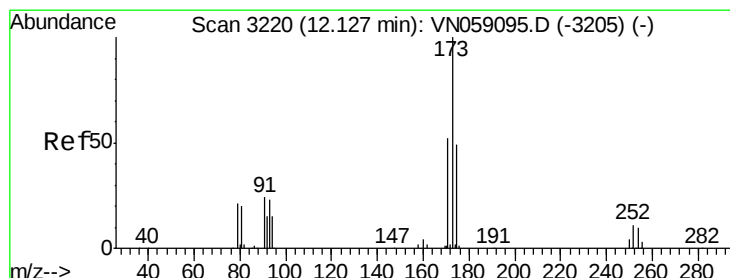
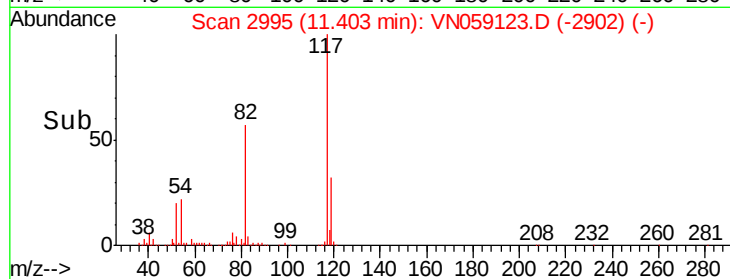
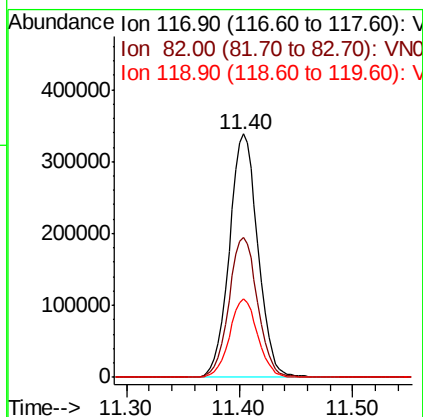
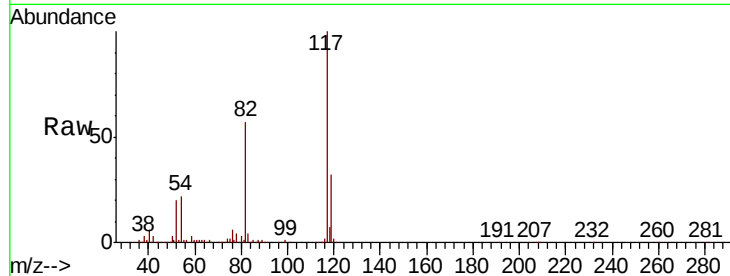




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

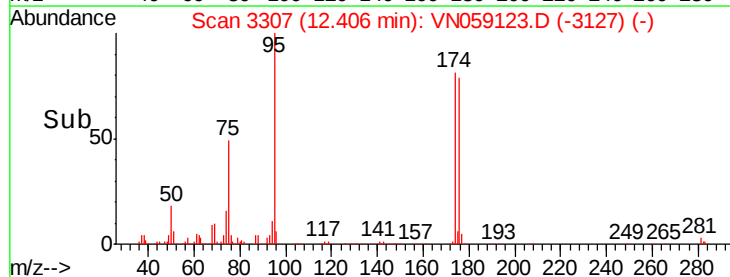
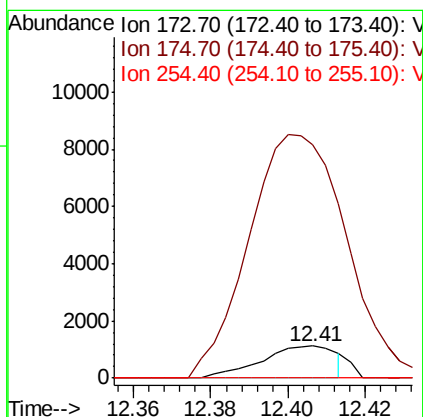
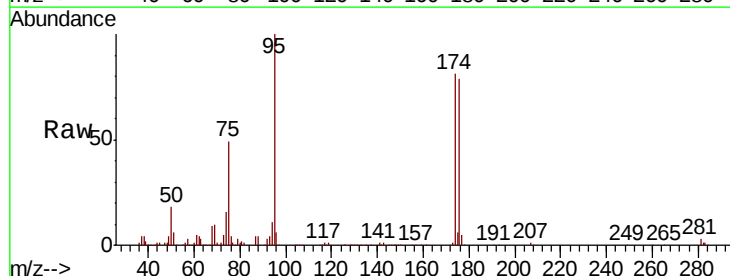
Instrument :
MSVOA_N
ClientSampleId :
HD-01-110619

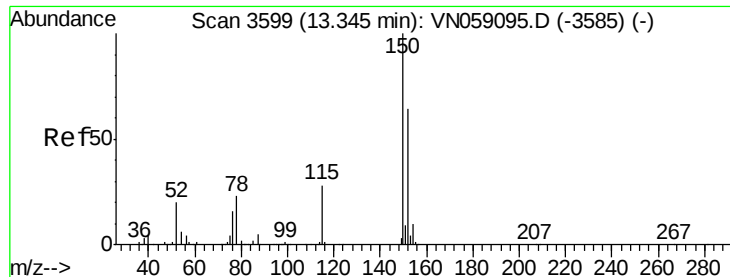
Tot Ion:117 Resp: 592583
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Tgt Ion:173 Resp: 1501
Ion Ratio Lower Upper
173 100
175 851.6 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

HD-01-110619

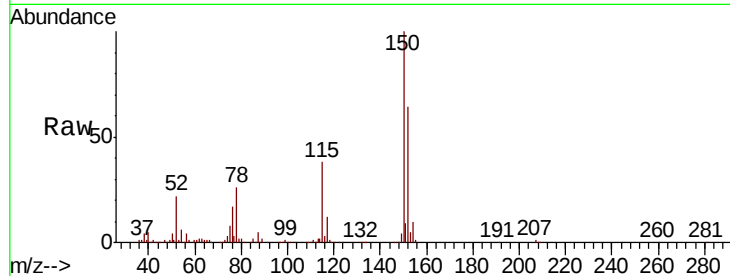
Tot Ion:152 Resp: 216064

Ion Ratio Lower Upper

152 100

115 60.3 29.4 88.2

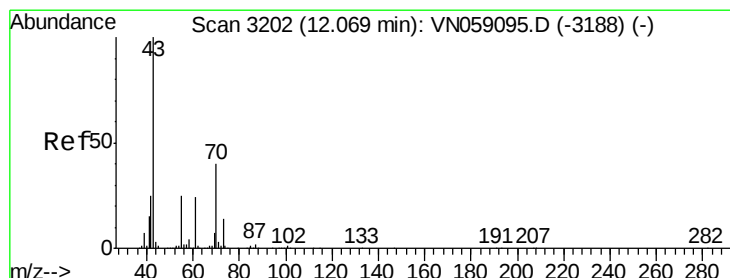
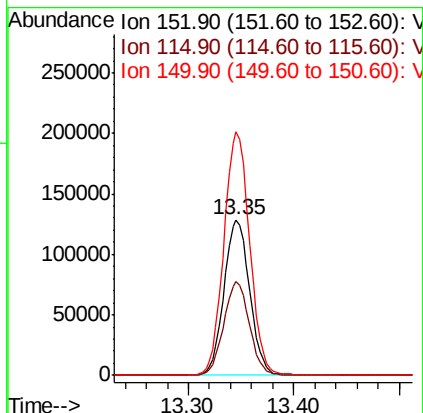
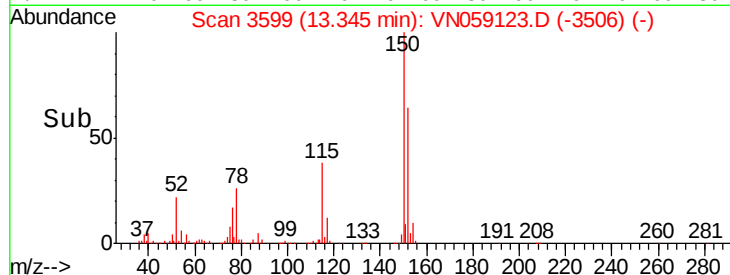
150 157.3 0.0 345.8



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



#74

N-ethyl acetate

Concen: 0.973 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Tgt Ion: 43 Resp: 6480

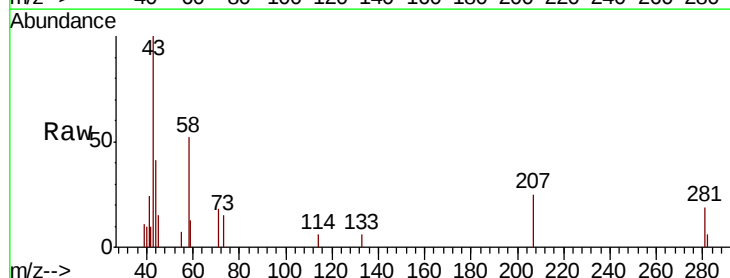
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 3.3 20.4 30.6#

61 0.0 19.3 28.9#

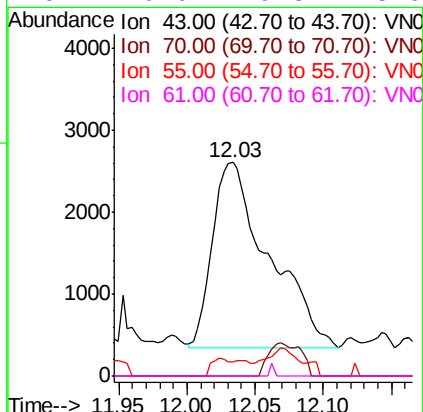
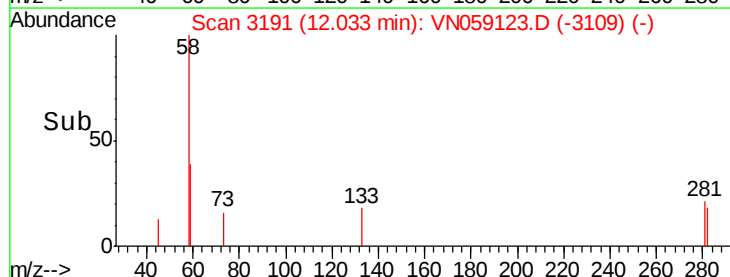


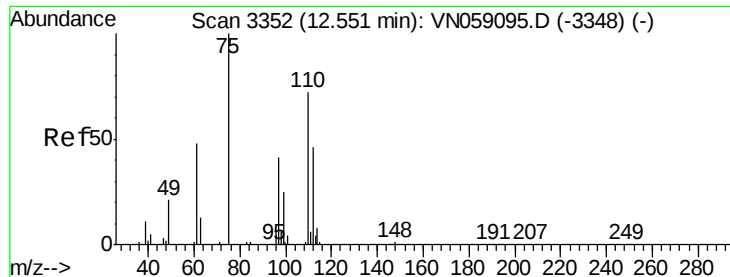
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 26.651 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

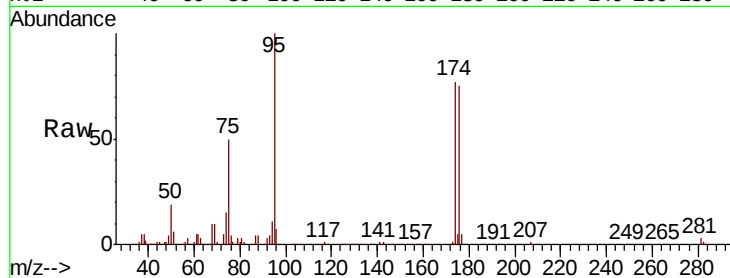
HD-01-110619

Tot Ion: 75 Resp: 131098

Ion Ratio Lower Upper

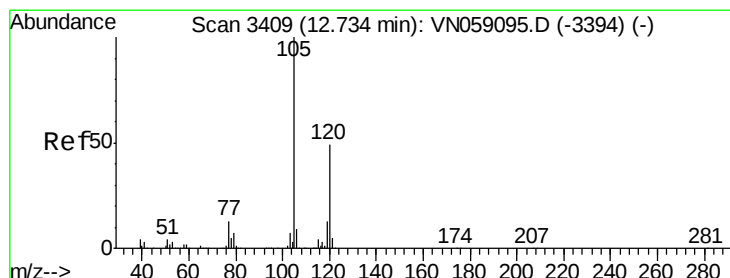
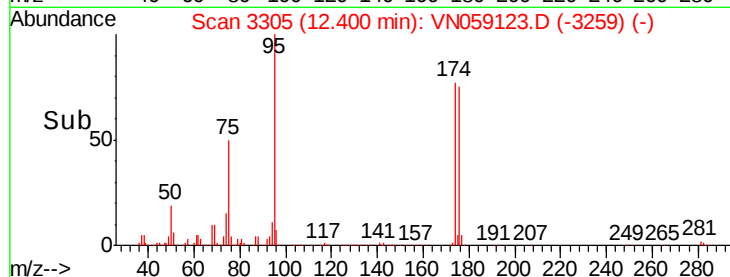
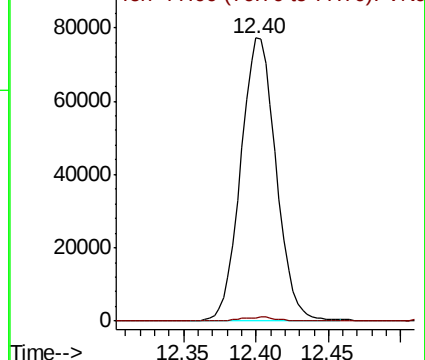
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.336 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059123.D

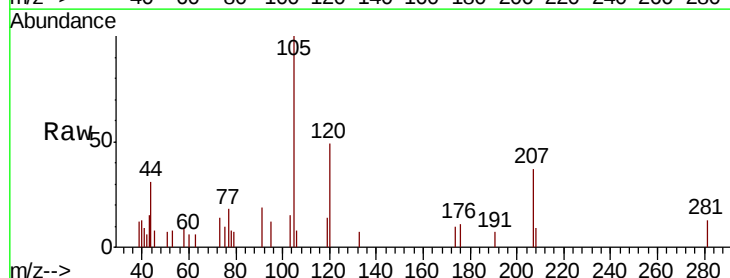
Acq: 7 Nov 2019 15:32

Tgt Ion: 105 Resp: 4477

Ion Ratio Lower Upper

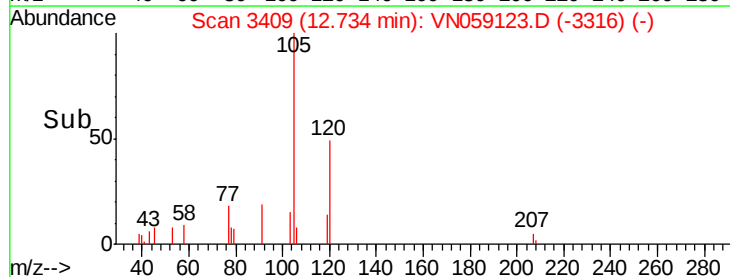
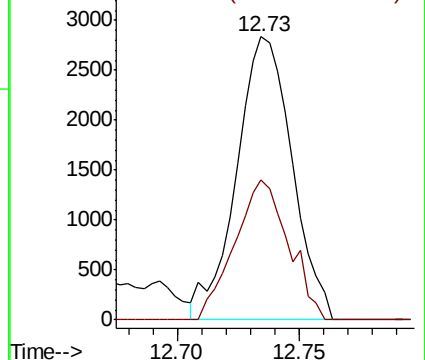
105 100

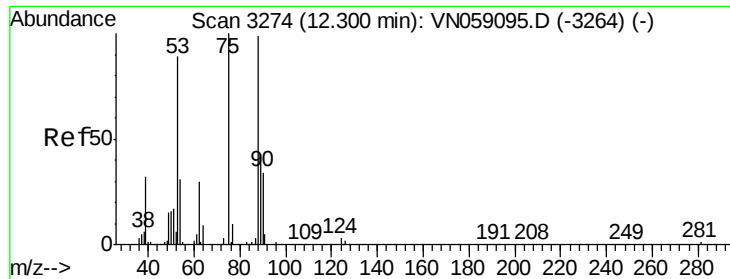
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.393 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

HD-01-110619

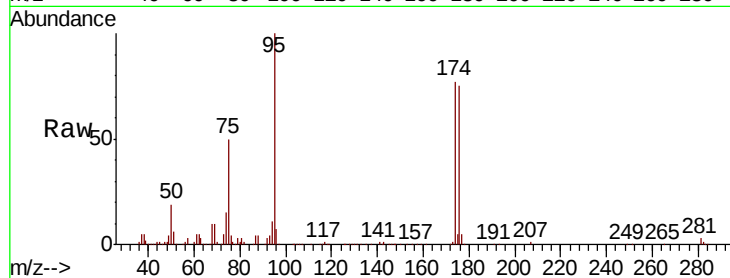
Tot Ion: 75 Resp: 131098

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

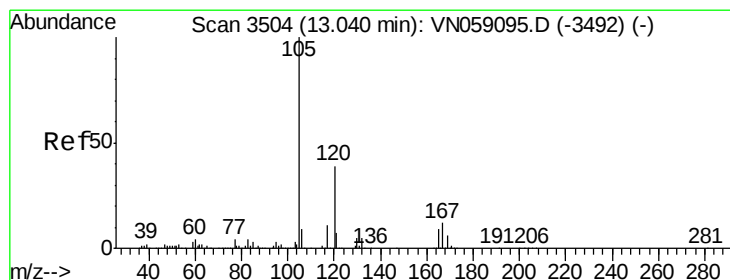
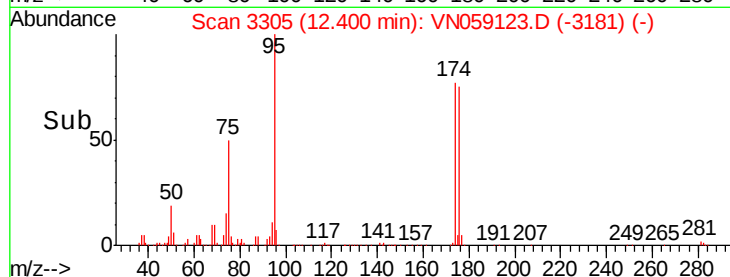
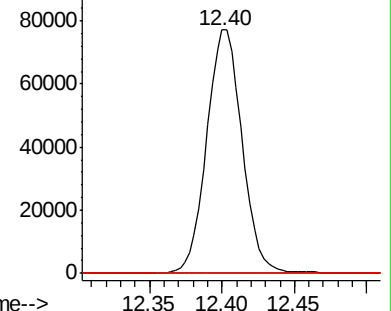
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059123.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN059123.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN059123.D (-3305) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.327 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.01 min

Lab File: VN059123.D

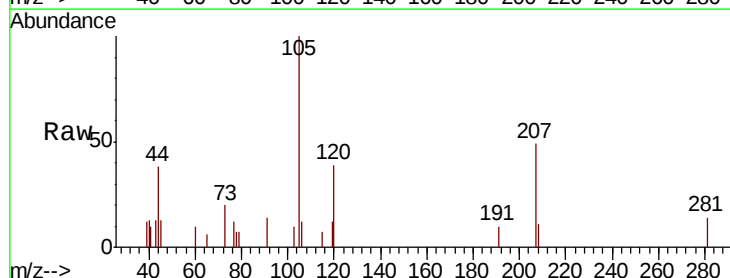
Acq: 7 Nov 2019 15:32

Tgt Ion: 105 Resp: 4218

Ion Ratio Lower Upper

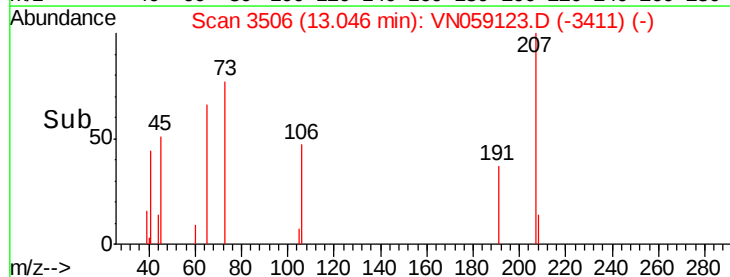
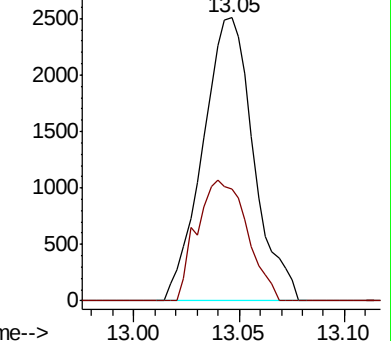
105 100

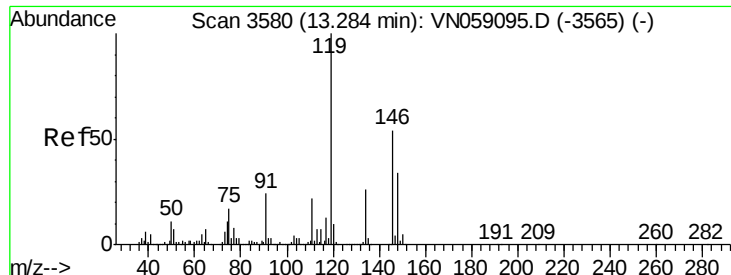
120 41.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN059123.D (-3506) (-)

Ion 120.00 (119.70 to 120.70): VN059123.D (-3506) (-)





#87

1,3-Dichlorobenzene

Concen: 0.242 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

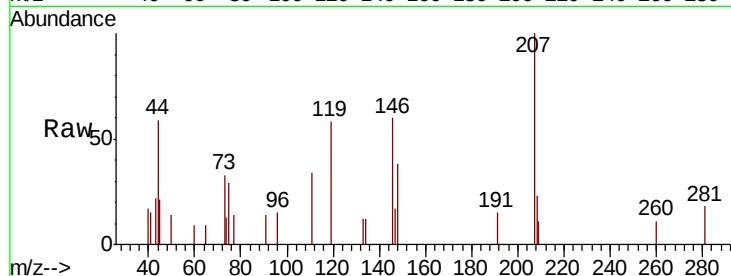
Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :
MSVOA_N
ClientSampled :
HD-01-110619

Tot Ion:146 Resp: 1634

Ion	Ratio	Lower	Upper
146	100		
111	47.6	20.4	61.3
148	69.0	32.2	96.6

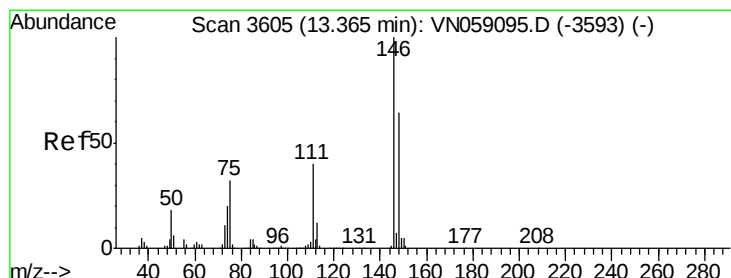
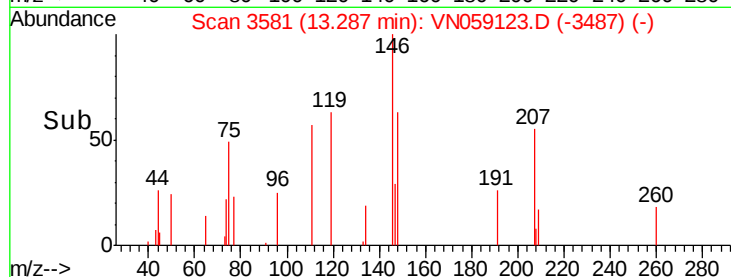
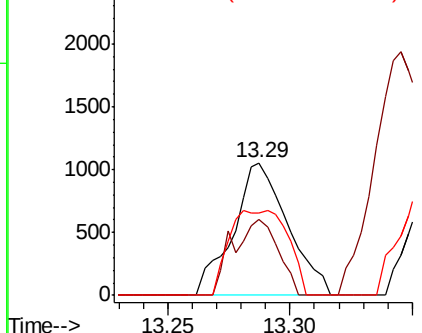


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 0.242 ug/l

RT: 13.29 min Scan# 3581

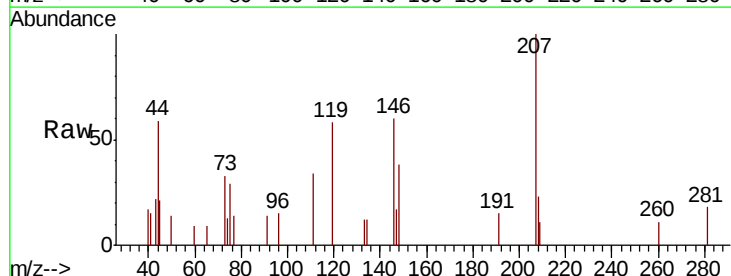
Delta R.T. -0.08 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Tgt Ion:146 Resp: 1634

Ion	Ratio	Lower	Upper
146	100		
111	47.6	20.3	60.9
148	69.0	31.9	95.7

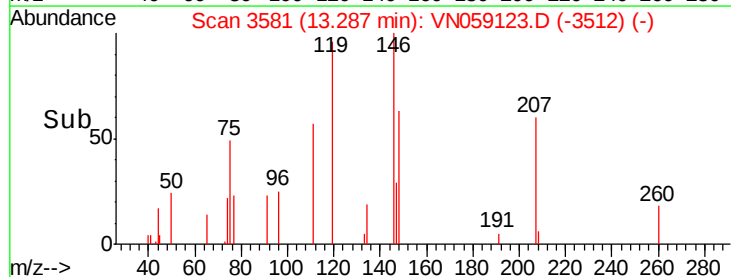
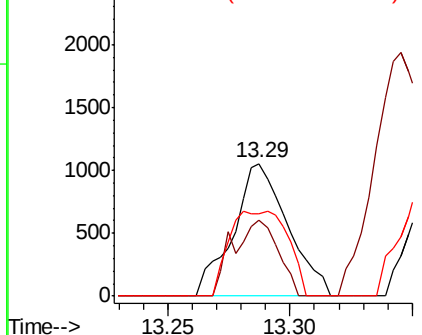


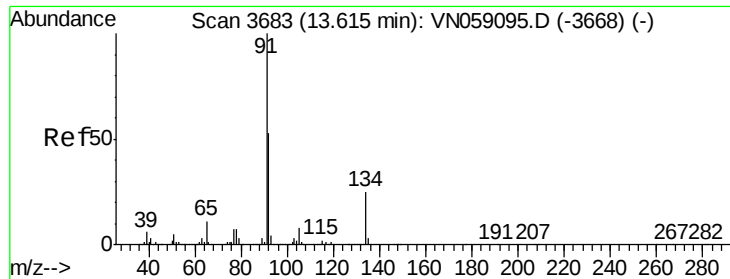
Abundance

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: 0.255 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

Instrument :

MSVOA_N

ClientSampled :

HD-01-110619

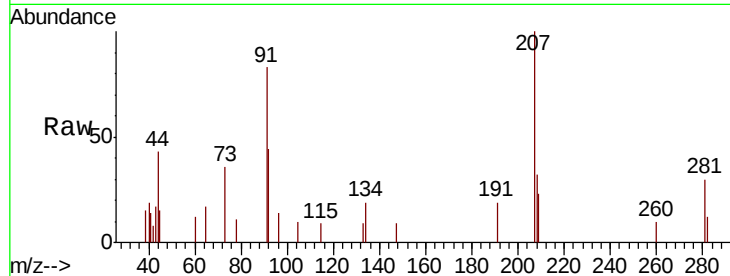
Tot Ion: 91 Resp: 2944

Ion Ratio Lower Upper

91 100

92 44.1 26.1 78.3

134 30.7 12.6 37.8

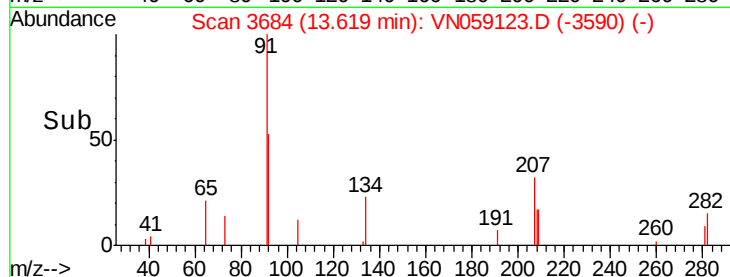


Abundance Ion 91.00 (90.70 to 91.70): VN059123.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN059123.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN059123.D (-3683) (-)

Time--> 13.55 13.60 13.65

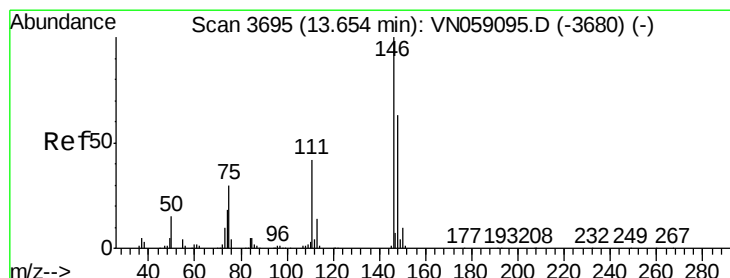


Abundance Ion 91.00 (90.70 to 91.70): VN059123.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN059123.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN059123.D (-3683) (-)

Time--> 13.55 13.60 13.65



#91

1,2-Dichlorobenzene

Concen: 0.277 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059123.D

Acq: 7 Nov 2019 15:32

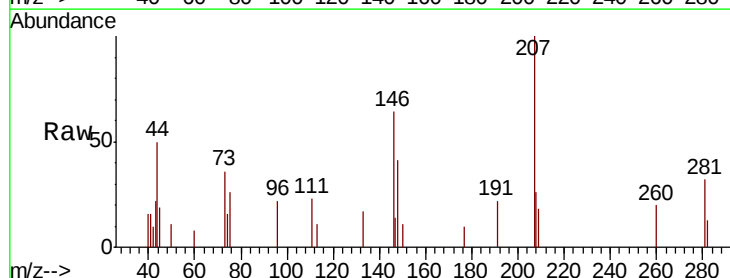
Tgt Ion: 146 Resp: 1841

Ion Ratio Lower Upper

146 100

111 40.6 21.2 63.6

148 77.0 31.6 94.7

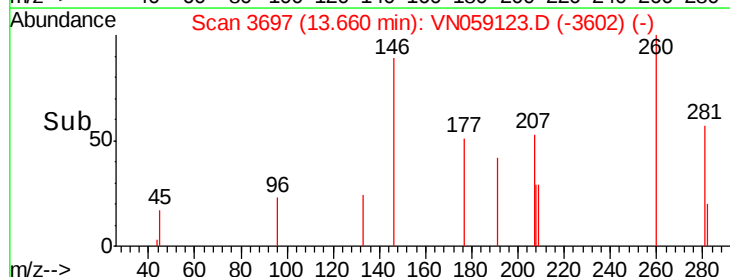


Abundance Ion 145.90 (145.60 to 146.60): VN059123.D (-3695) (-)

Ion 110.90 (110.60 to 111.60): VN059123.D (-3695) (-)

Ion 147.90 (147.60 to 148.60): VN059123.D (-3695) (-)

Time--> 13.60 13.65 13.70

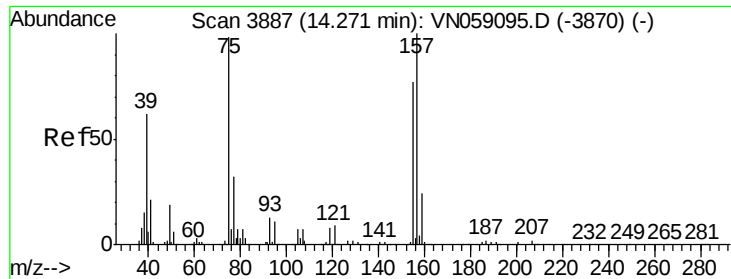


Abundance Ion 145.90 (145.60 to 146.60): VN059123.D (-3695) (-)

Ion 110.90 (110.60 to 111.60): VN059123.D (-3695) (-)

Ion 147.90 (147.60 to 148.60): VN059123.D (-3695) (-)

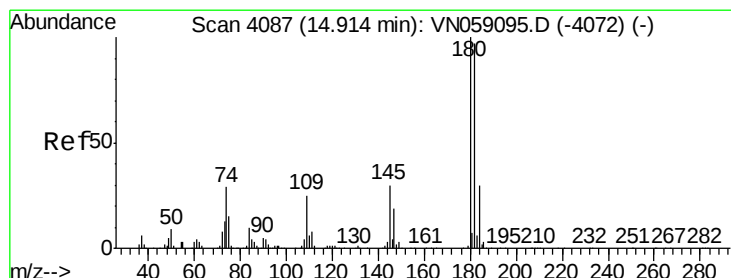
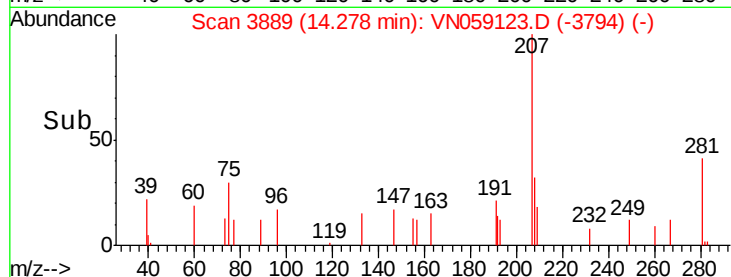
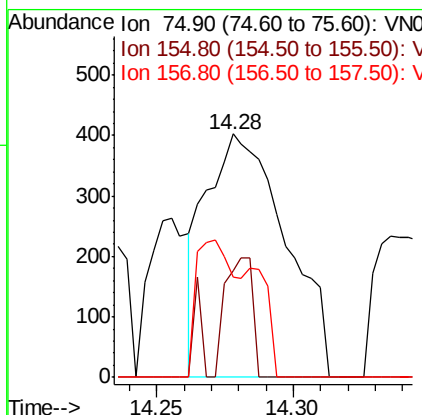
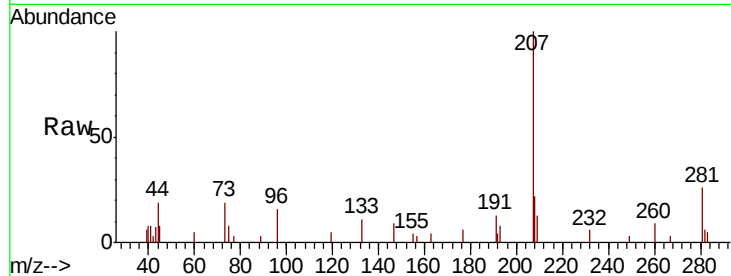
Time--> 13.60 13.65 13.70



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.800 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

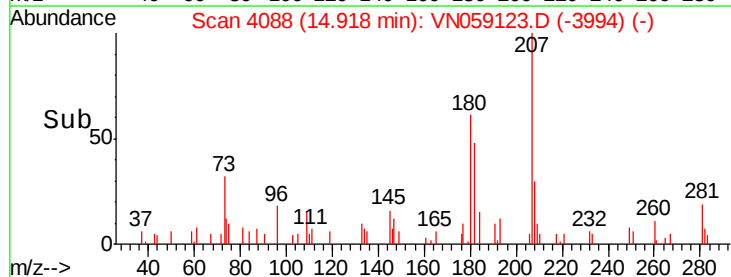
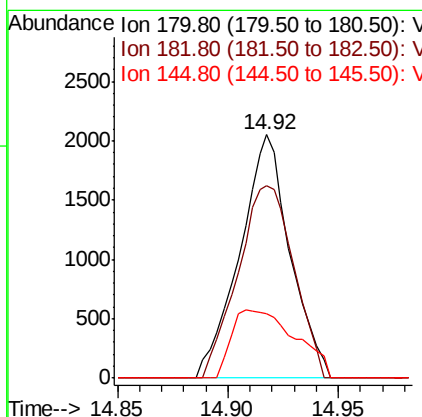
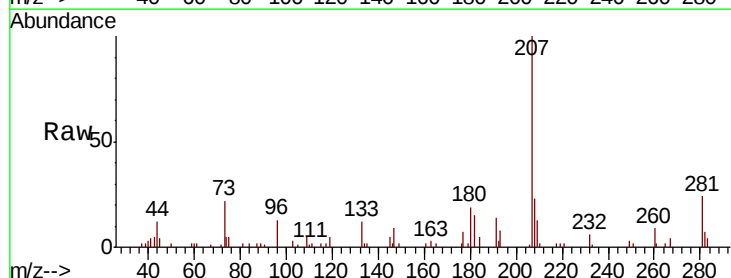
Instrument :
 MSVOA_N
 ClientSampled :
 HD-01-110619

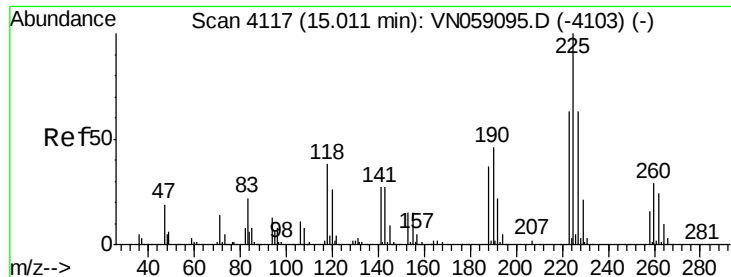
Tot Ion: 75 Resp: 827
 Ion Ratio Lower Upper
 75 100
 155 16.9 40.2 120.6#
 157 27.7 51.8 155.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.801 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Tgt Ion: 180 Resp: 3244
 Ion Ratio Lower Upper
 180 100
 182 87.6 48.1 144.3
 145 35.7 15.1 45.3

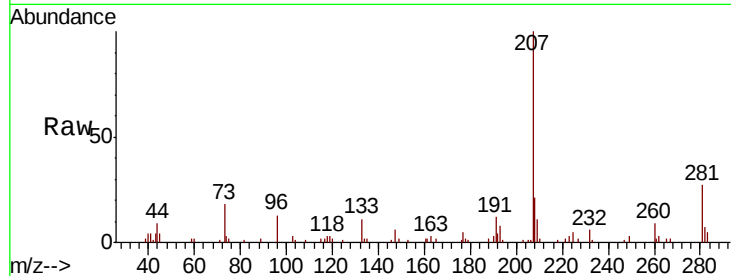




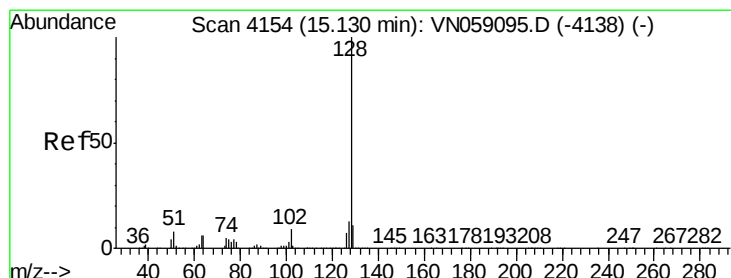
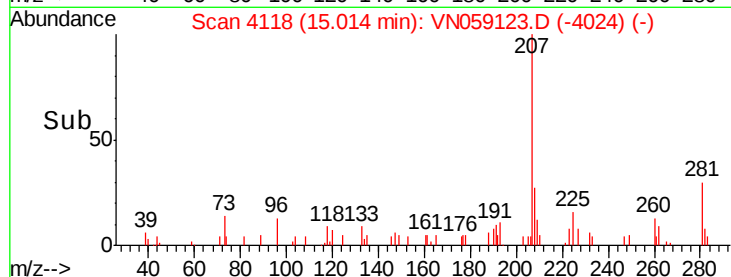
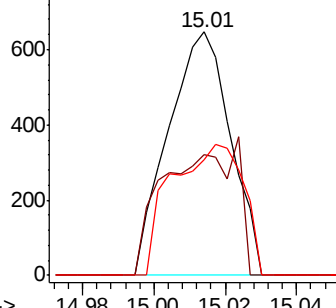
#94
Hexachlorobutadiene
Concen: 0.340 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Instrument :
MSVOA_N
ClientSampled :
HD-01-110619

Tot Ion:225 Resp: 780
Ion Ratio Lower Upper
225 100
223 62.6 31.3 93.9
227 62.2 31.5 94.5

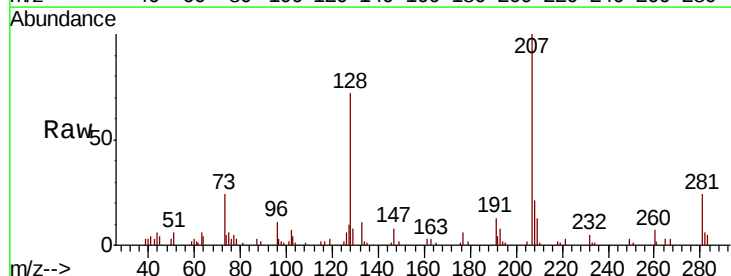


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

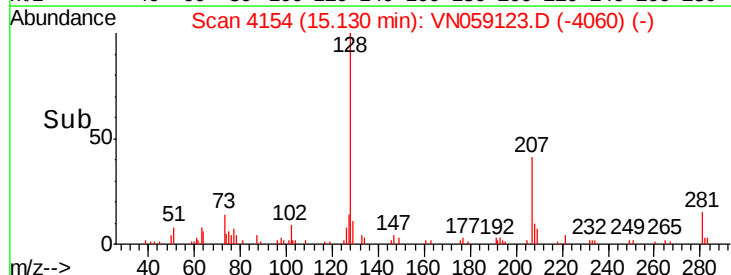
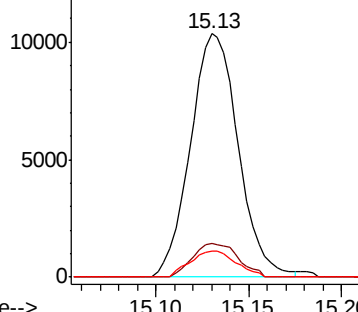


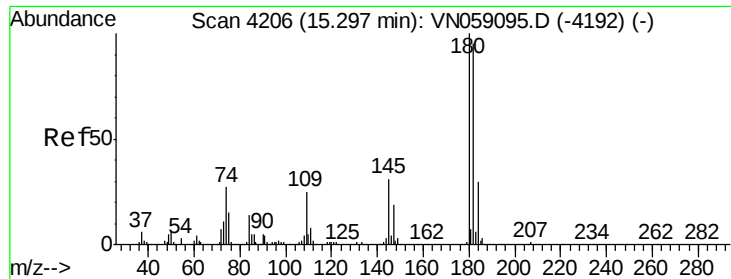
#95
Naphthalene
Concen: 4.604 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059123.D
Acq: 7 Nov 2019 15:32

Tgt Ion:128 Resp: 18586
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.2 8.6 12.8



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

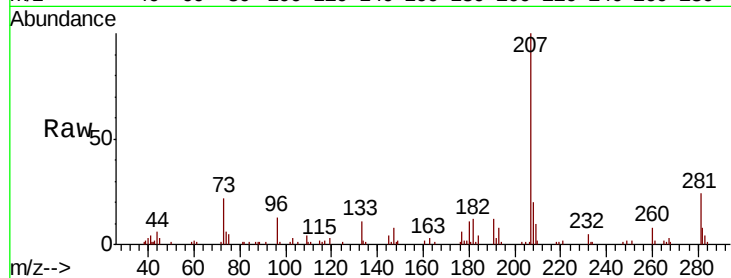




#96
 1,2,3-Trichlorobenzene
 Concen: 1.049 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059123.D
 Acq: 7 Nov 2019 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-01-110619

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	37.2	15.8	47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

