

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051299.D
 Acq On : 18 Sep 2018 15:50
 Operator : MD\SY
 Sample : J4772-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

Quant Time: Sep 19 01:19:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	399183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155046	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222839	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	234770	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.09	98	811490	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	12.40	95	208568	36.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.16%	

Target Compounds					Qvalue
3) Chloromethane	2.06	50	1558	Below Cal	95
5) Bromomethane	2.57	94	2135	1.212 ug/l	98
10) Methyl Iodide	3.95	142	63	6.123 ug/l #	43
11) Tert butyl alcohol	4.81	59	65	0.272 ug/l #	73
16) Acetone	3.82	43	45770	39.755 ug/l	97
18) Methyl Acetate	4.34	43	8517	2.176 ug/l #	74
20) Methylene Chloride	4.55	84	34483	7.262 ug/l	97
25) 2-Butanone	6.85	43	4665	3.357 ug/l	98
29) Tetrahydrofuran	7.21	42	405	0.471 ug/l #	50
30) Chloroform	7.38	83	1977	0.251 ug/l	86
31) Cyclohexane	7.67	56	6125	0.808 ug/l #	1
36) 1,1-Dichloropropene	7.67	75	25323	3.749 ug/l #	48
37) Ethyl Acetate	6.85	43	4665	1.343 ug/l #	66
38) Carbon Tetrachloride	7.66	117	34057	4.835 ug/l #	16
41) Methacrylonitrile	7.22	41	430	0.241 ug/l #	24
43) Isopropyl Acetate	8.17	43	217743	36.238 ug/l	94
48) Methyl methacrylate	9.18	41	5288	1.827 ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	2267	0.731 ug/l	95
54) cis-1,3-Dichloropropene	9.91	75	1665	0.224 ug/l #	67
56) Ethyl methacrylate	10.24	69	1475	2.325 ug/l #	74
59) 2-Hexanone	10.77	43	11934	5.846 ug/l #	60
70) Styrene	11.96	104	141	1.254 ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93966	43.999 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	2483	0.238 ug/l	80
81) trans-1,4-Dichloro-2-buten	12.40	75	93966	134.605 ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	6261	0.617 ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	438	0.491 ug/l #	26
89) n-Butylbenzene	13.62	91	949	2.130 ug/l #	65
90) Hexachloroethane	13.89	117	278	Below Cal #	1
91) 1,2-Dichlorobenzene	13.66	146	271	Below Cal #	25
93) 1,2,4-Trichlorobenzene	14.91	180	241	5.116 ug/l #	60
95) Naphthalene	15.13	128	14865	8.625 ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	221	3.945 ug/l #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
Data File : VN051299.D
Acq On : 18 Sep 2018 15:50
Operator : MD\SY
Sample : J4772-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HD-02-091718

Quant Time: Sep 19 01:19:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

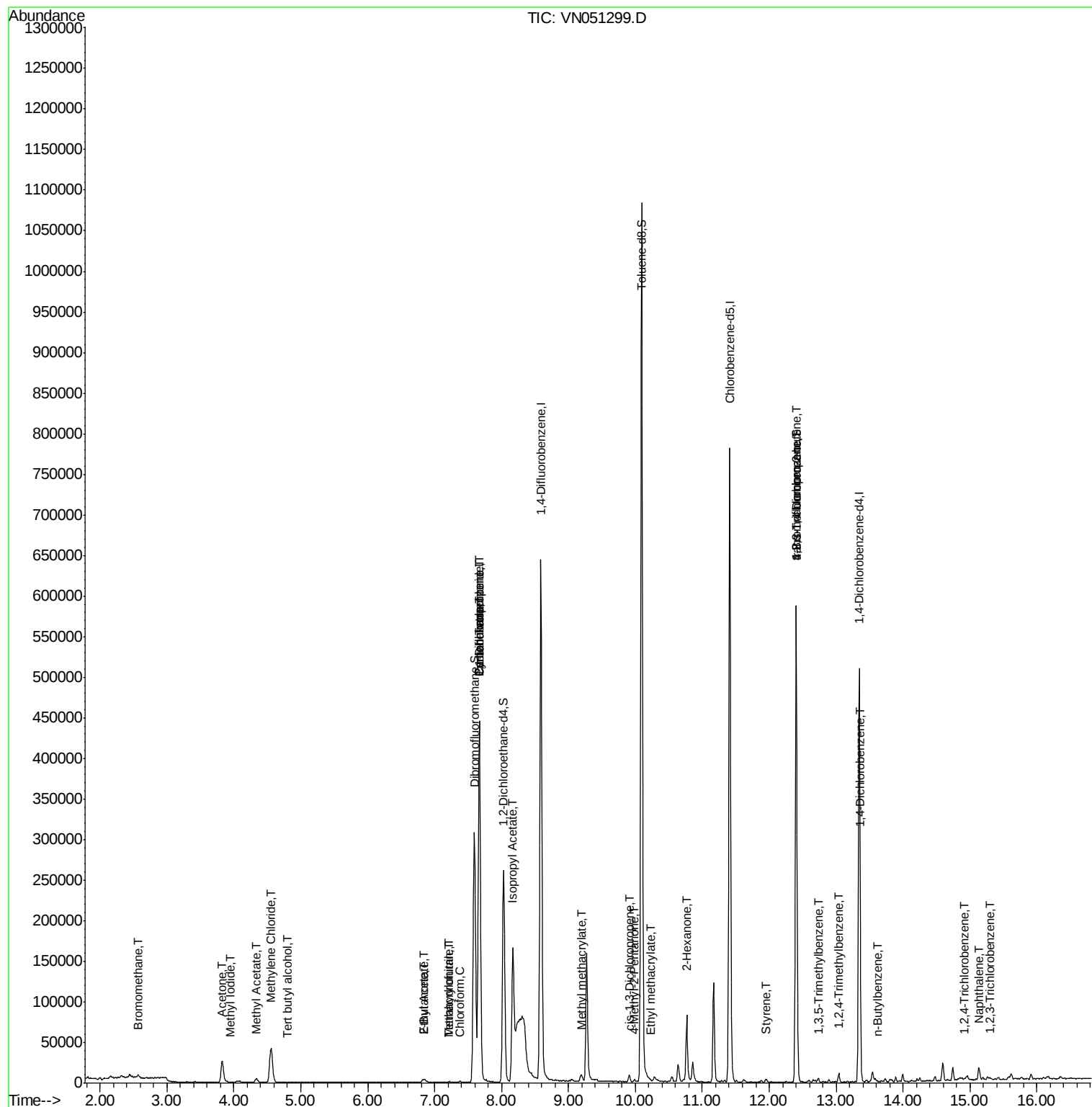
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

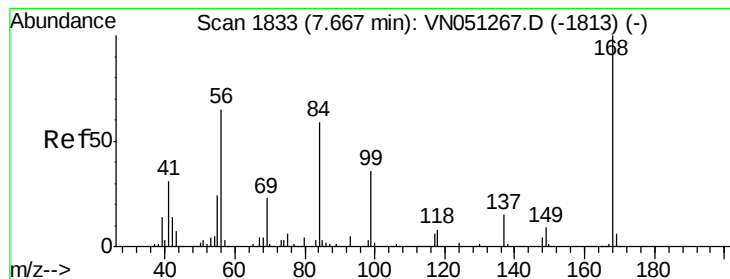
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
Data File : VN051299.D
Acq On : 18 Sep 2018 15:50
Operator : MD\SY
Sample : J4772-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HD-02-091718

Quant Time: Sep 19 01:19:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

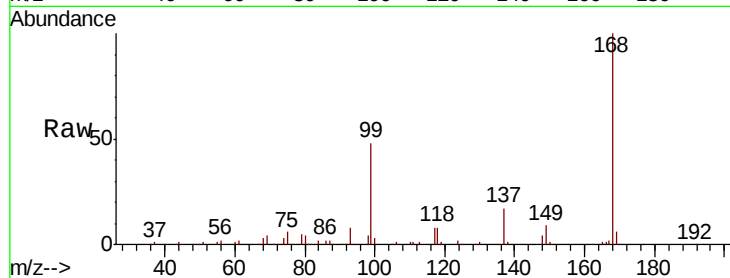
HD-02-091718

Tgt Ion:168 Resp: 399183

Ion Ratio Lower Upper

168 100

99 48.0 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

150000

100000

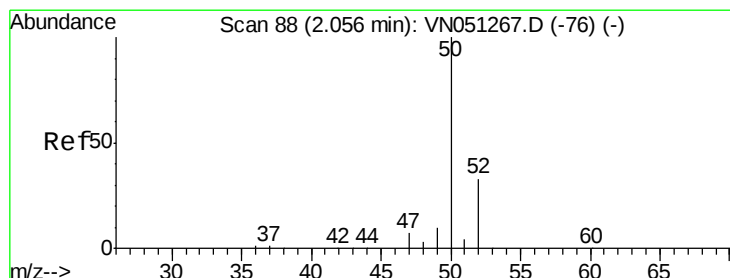
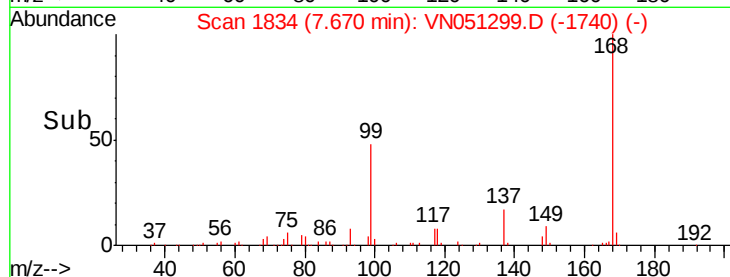
50000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051299.D

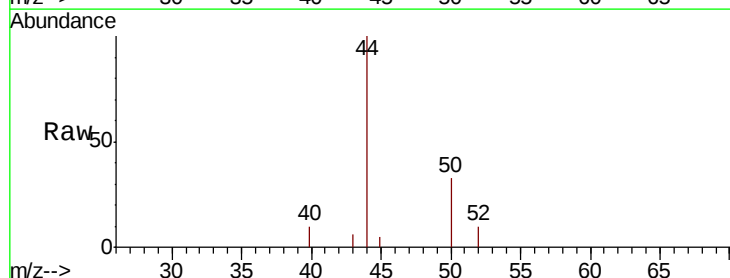
Acq: 18 Sep 2018 15:50

Tgt Ion: 50 Resp: 1558

Ion Ratio Lower Upper

50 100

52 30.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN051267.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051267.D (-76) (-)

2.06

1000

500

0

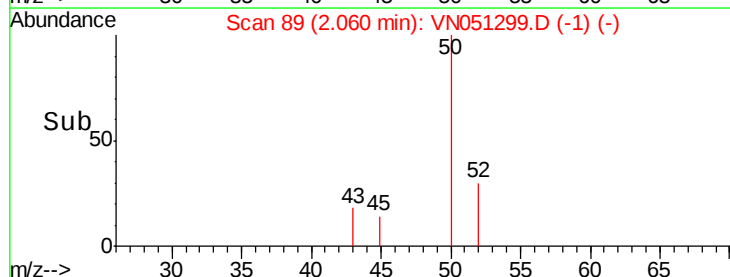
2.02

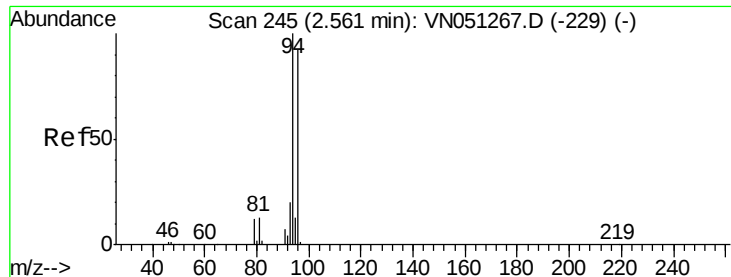
2.04

2.06

2.08

Time-->





#5

Bromomethane

Concen: 1.212 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

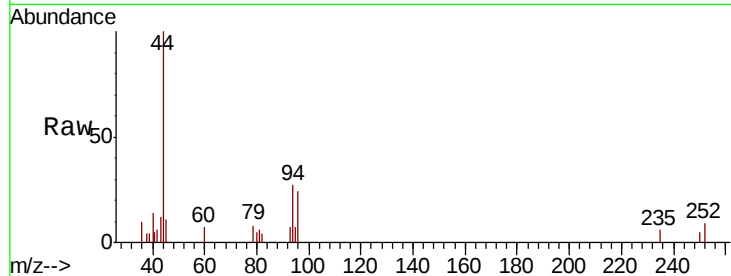
HD-02-091718

Tgt Ion: 94 Resp: 2135

Ion Ratio Lower Upper

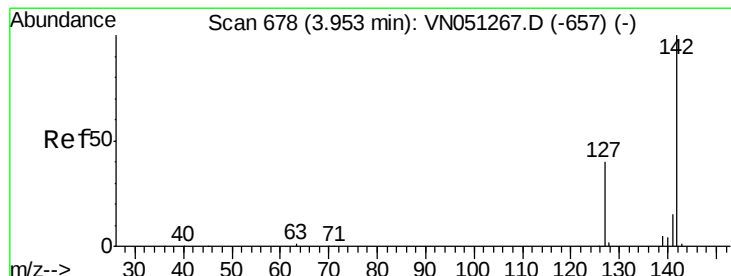
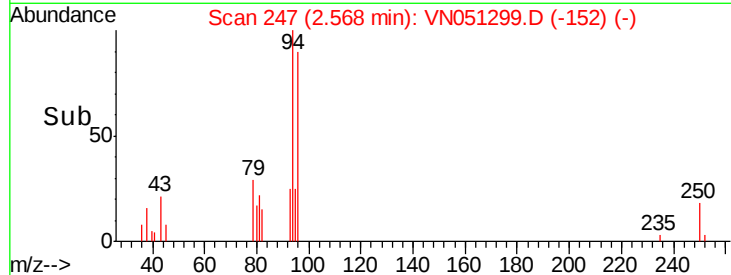
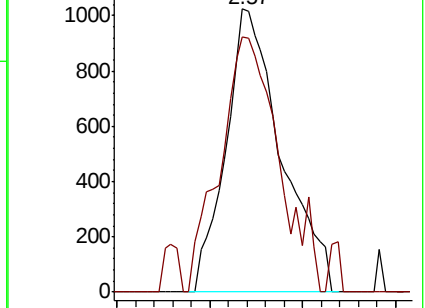
94 100

96 90.0 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)



#10

Methyl Iodide

Concen: 6.123 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

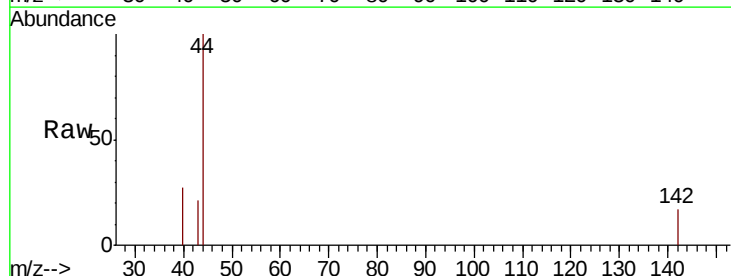
Tgt Ion: 142 Resp: 63

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

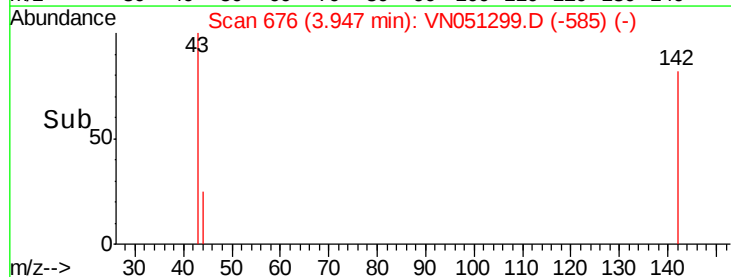
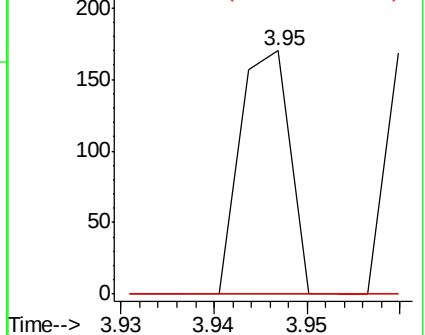
141 0.0 11.6 17.4#

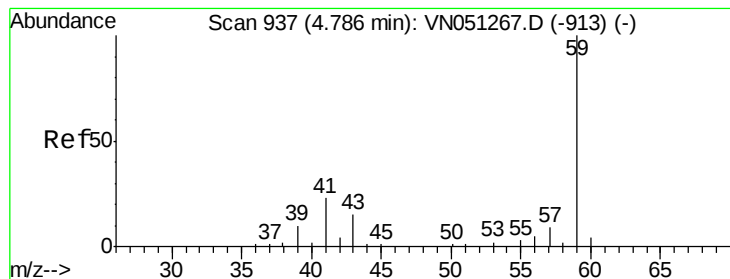


Abundance Ion 141.80 (141.50 to 142.50): VN051267.D (-657) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-657) (-)

Ion 140.80 (140.50 to 141.50): VN051267.D (-657) (-)



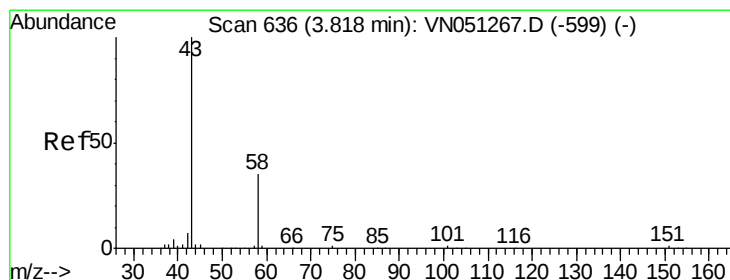
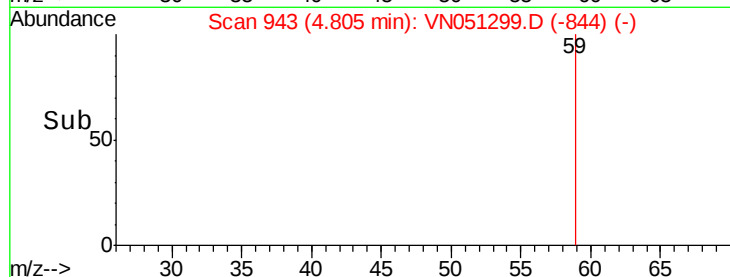
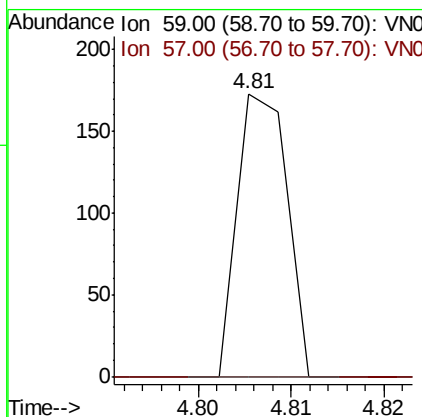
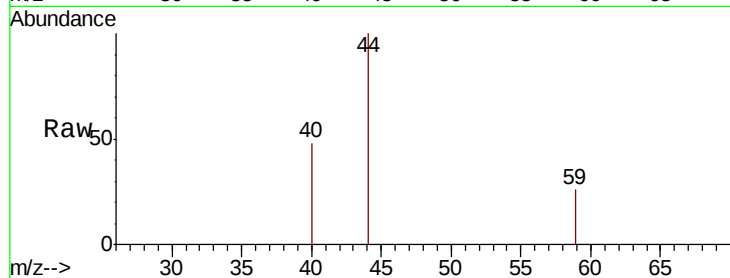


#11

Tert butyl alcohol
 Concen: 0.272 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.02 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

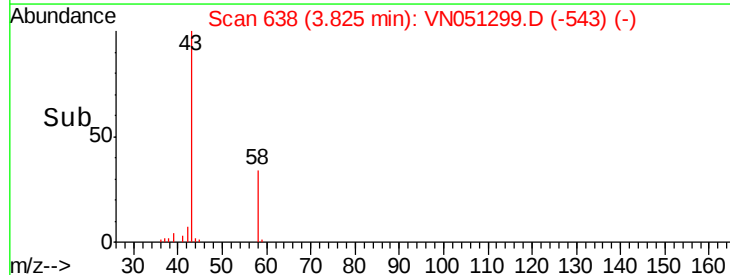
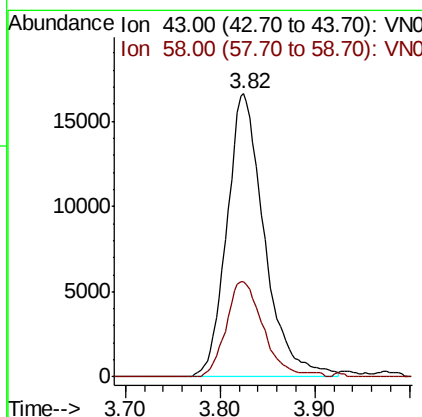
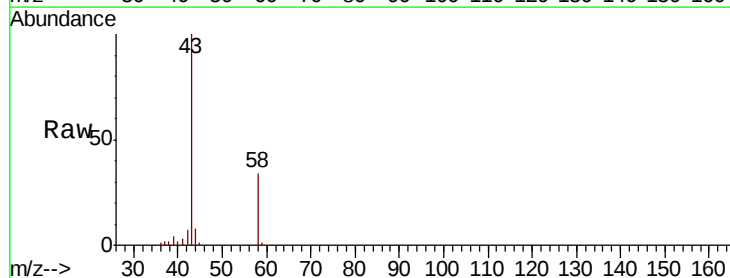
Tgt Ion: 59 Resp: 65
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

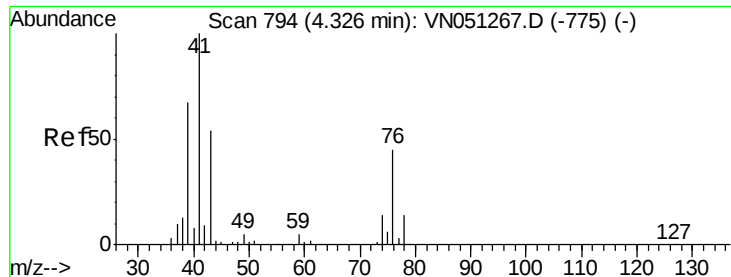


#16

Acetone
 Concen: 39.755 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion: 43 Resp: 45770
 Ion Ratio Lower Upper
 43 100
 58 33.6 28.2 42.2

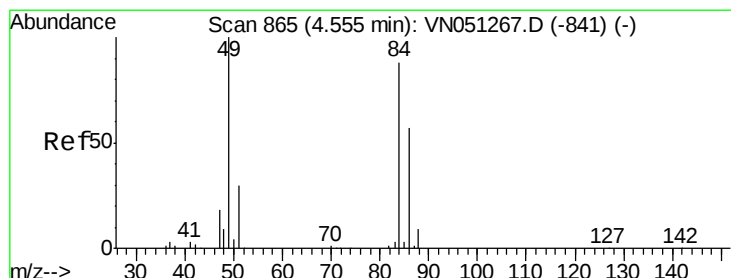
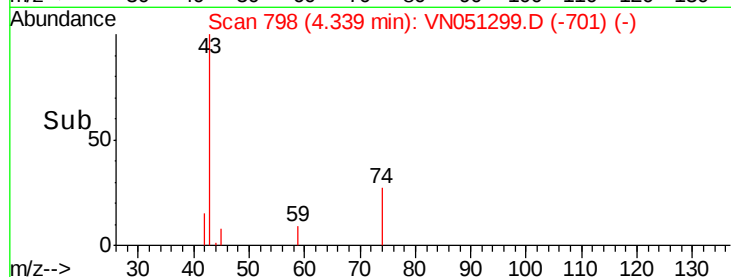
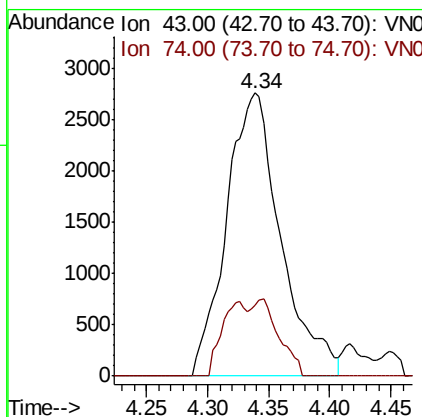
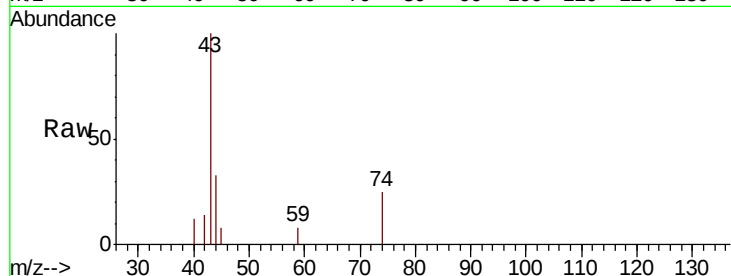




#18
Methyl Acetate
Concen: 2.176 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

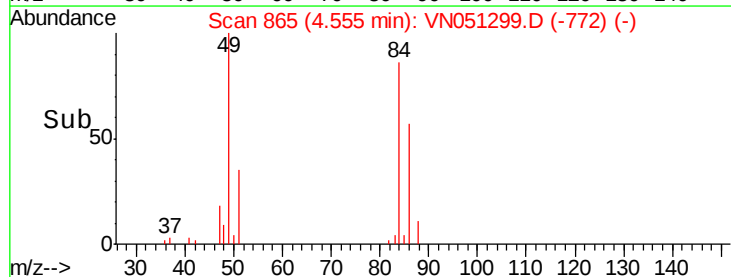
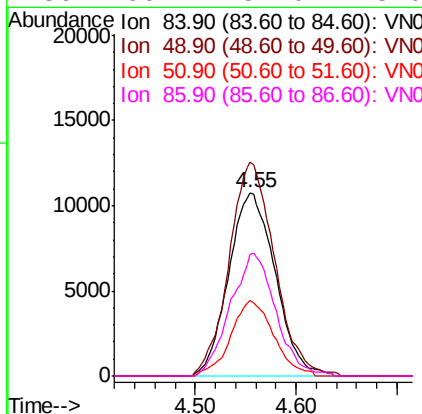
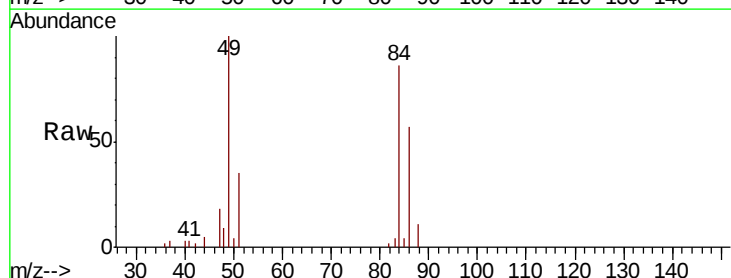
Instrument :
MSVOA_N
ClientSampleId :
HD-02-091718

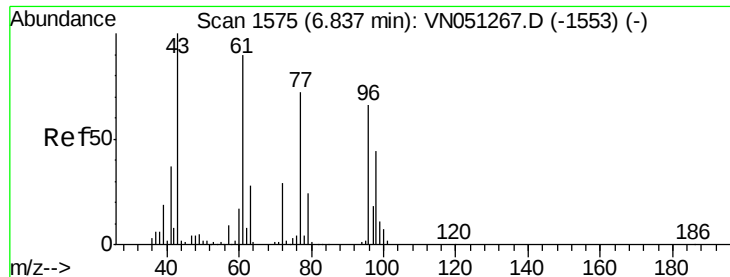
Tgt Ion: 43 Resp: 8517
Ion Ratio Lower Upper
43 100
74 12.6 20.8 31.2#



#20
Methylene Chloride
Concen: 7.262 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion: 84 Resp: 34483
Ion Ratio Lower Upper
84 100
49 116.3 91.2 136.8
51 40.9 27.7 41.5
86 66.2 52.0 78.0

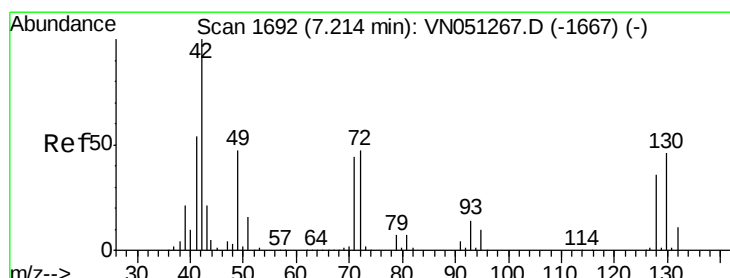
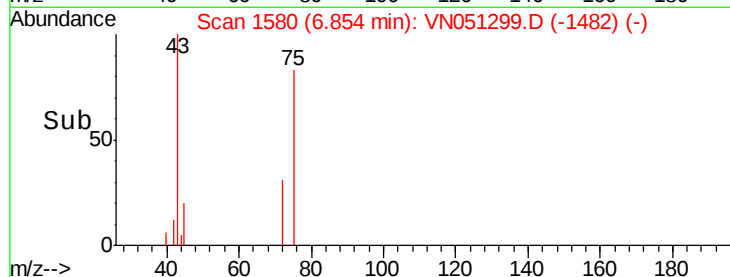
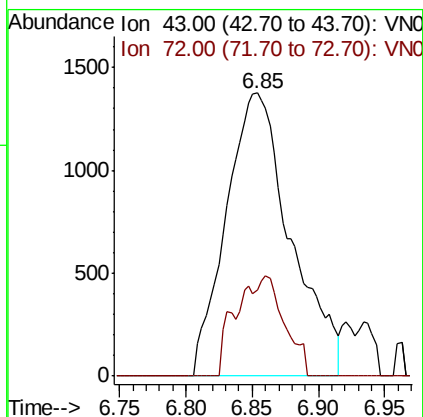
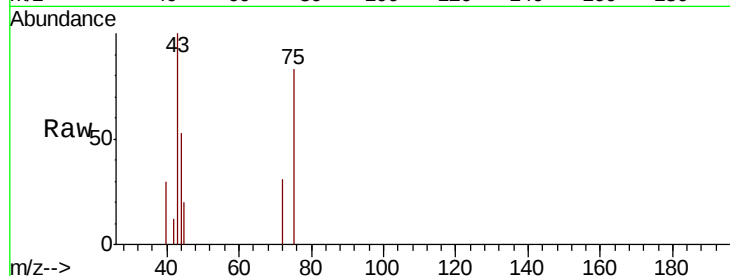




#25
2-Butanone
Concen: 3.357 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

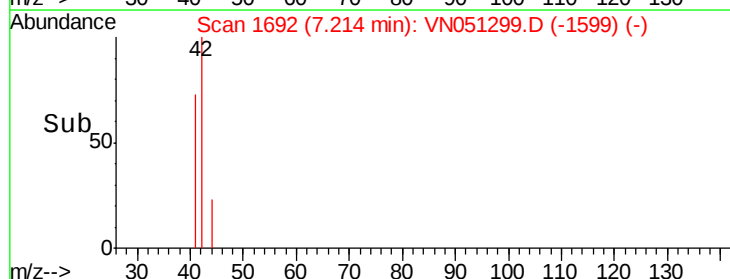
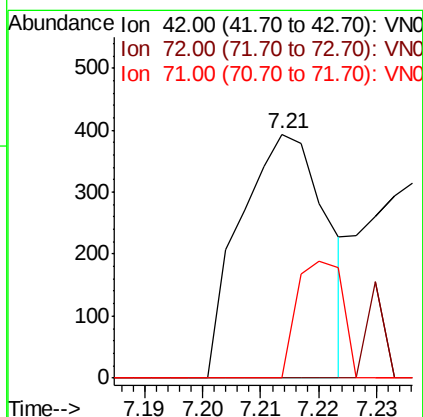
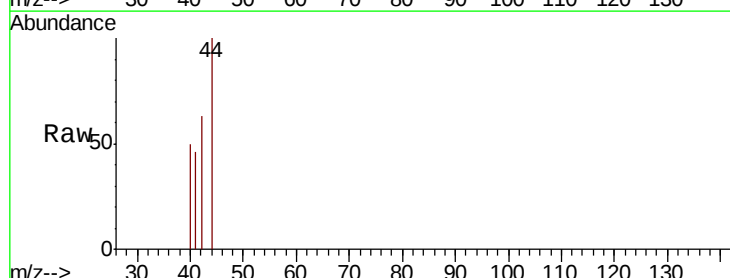
Instrument :
MSVOA_N
ClientSampled :
HD-02-091718

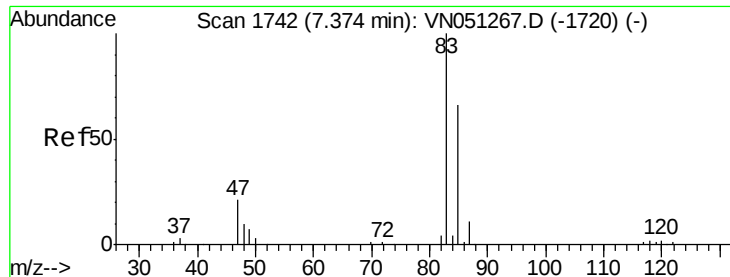
Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
72 30.5 23.4 35.0



#29
Tetrahydrofuran
Concen: 0.471 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 25.4 35.4 53.2#





#30

Chloroform

Concen: 0.251 ug/l

RT: 7.38 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

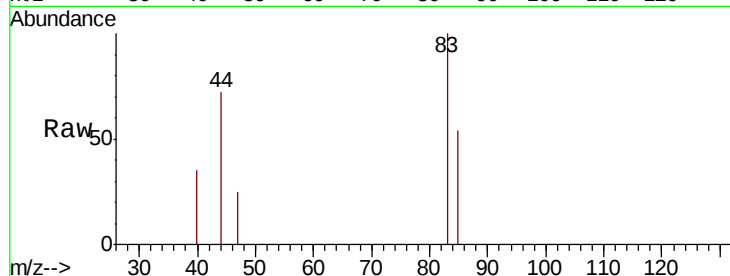
HD-02-091718

Tgt Ion: 83 Resp: 1977

Ion Ratio Lower Upper

83 100

85 54.3 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.38

800

600

400

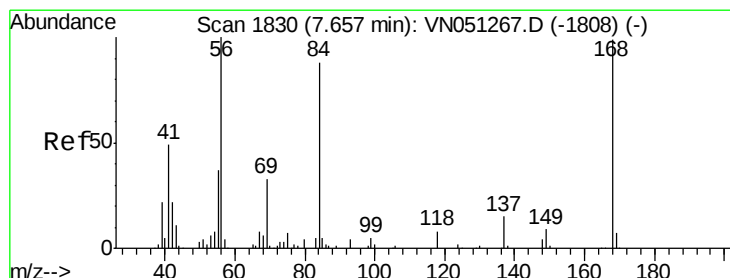
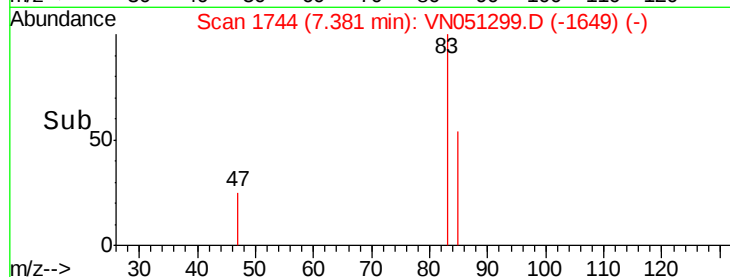
200

0

7.35

7.40

Time-->



#31

Cyclohexane

Concen: 0.808 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. 0.02 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

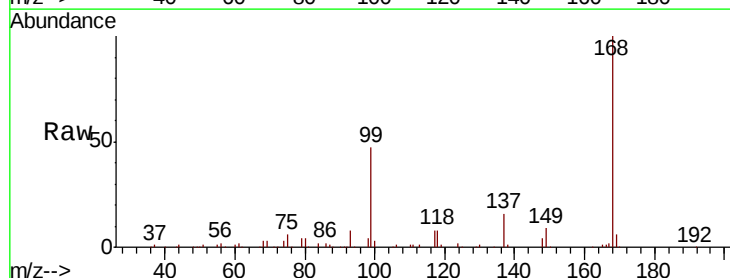
Tgt Ion: 56 Resp: 6125

Ion Ratio Lower Upper

56 100

69 194.5 26.2 39.2#

84 133.7 70.6 106.0#



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

8000

6000

4000

2000

0

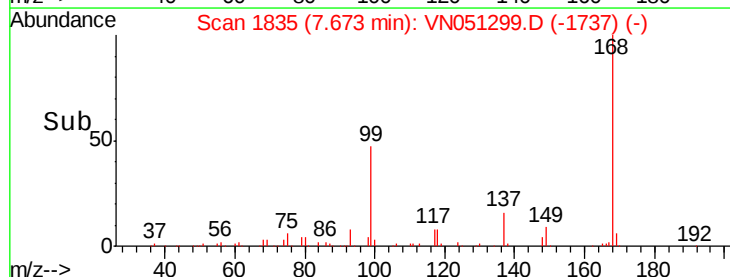
7.60

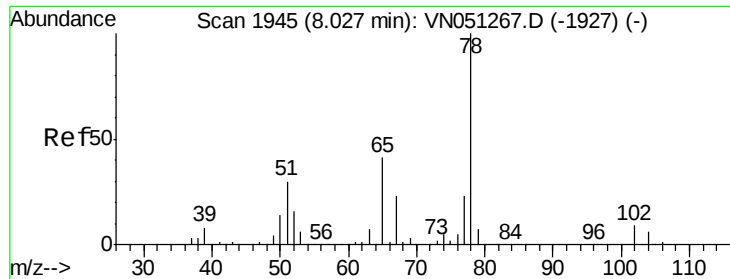
7.65

7.70

7.75

Time-->

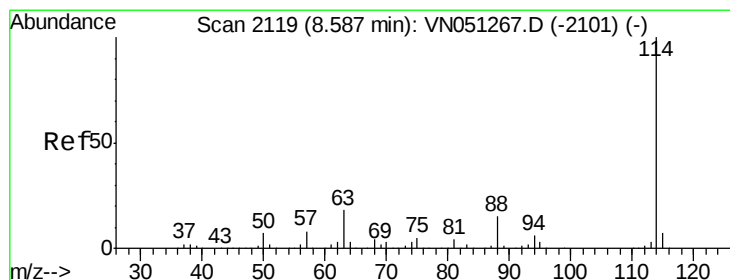
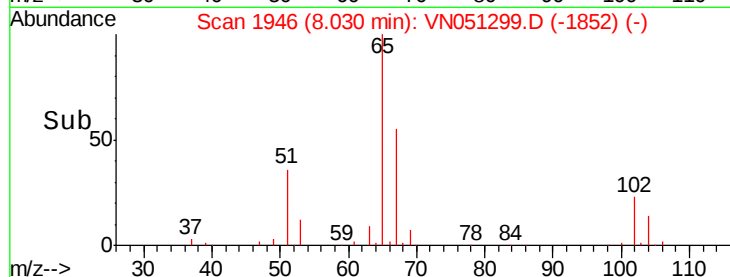
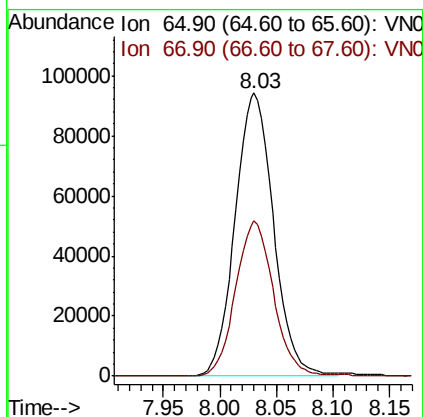
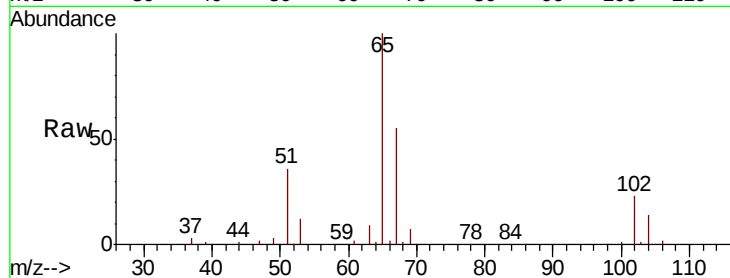




#33
 1,2-Dichloroethane-d4
 Concen: 51.366 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

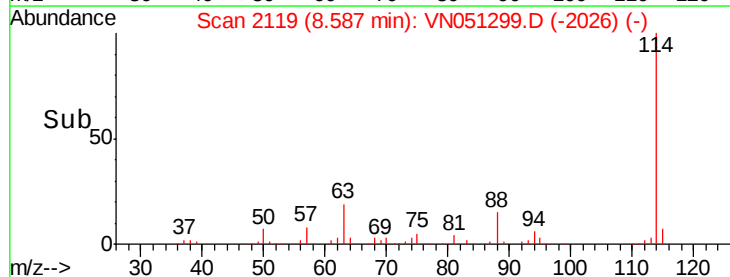
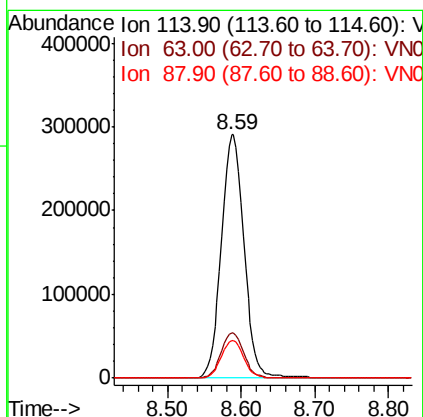
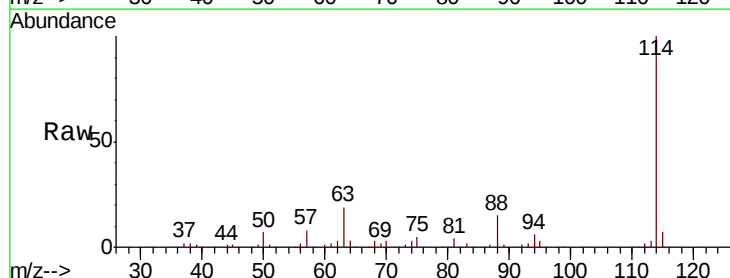
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

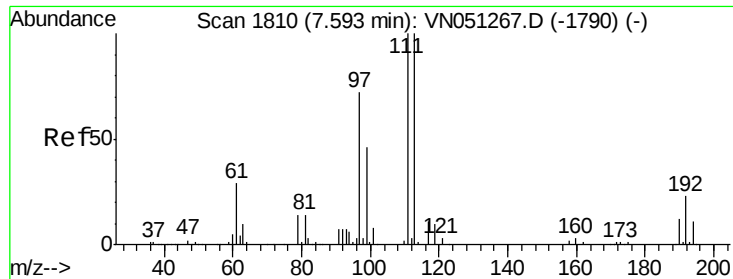
Tgt Ion: 65 Resp: 222839
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion: 114 Resp: 624025
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.2 0.0 30.8

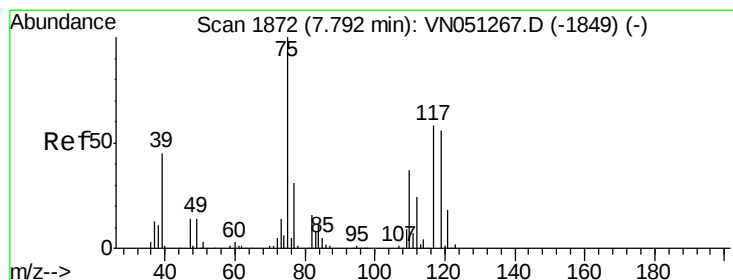
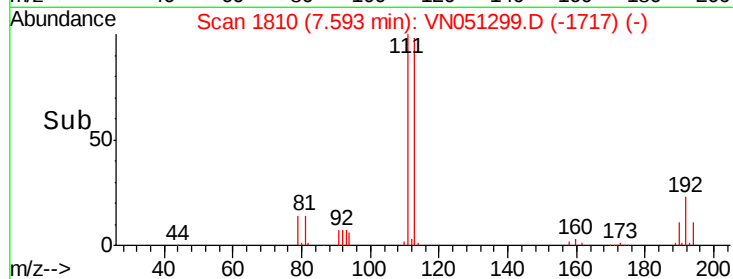
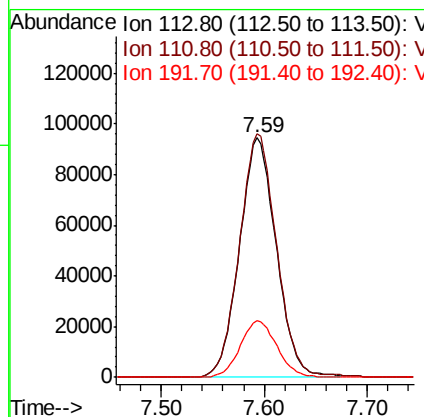
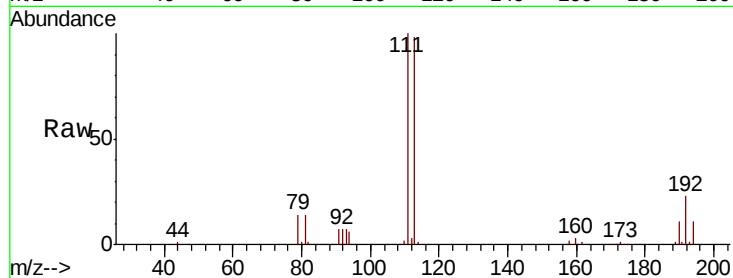




#35
 Dibromofluoromethane
 Concen: 48.414 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

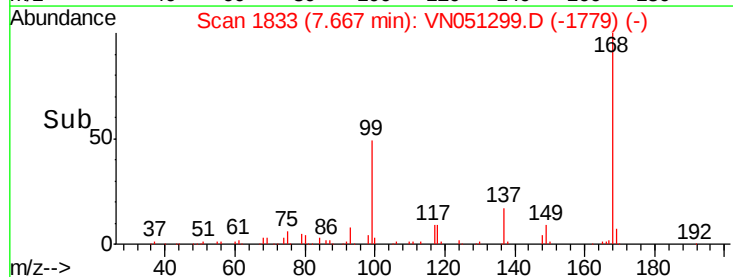
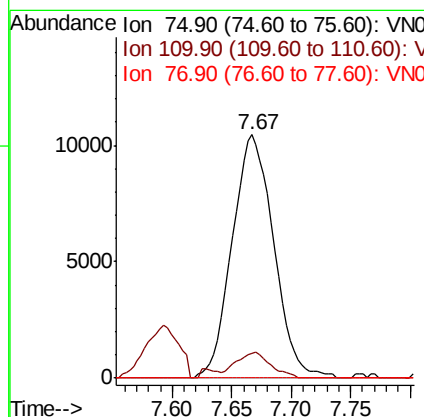
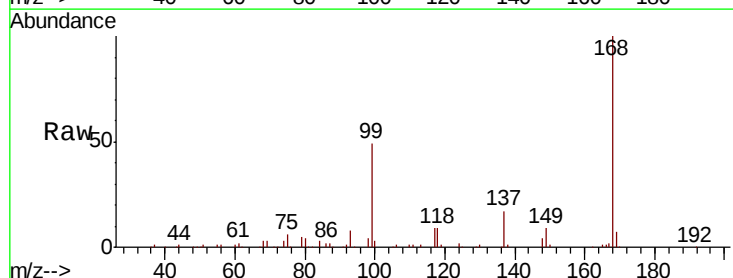
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

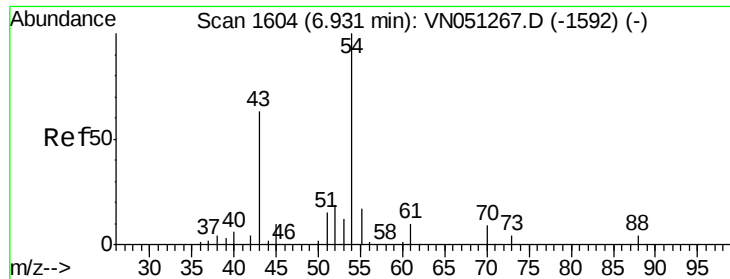
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	23.6	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 3.749 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.6	56.0#
77	0.0	24.7	37.1#

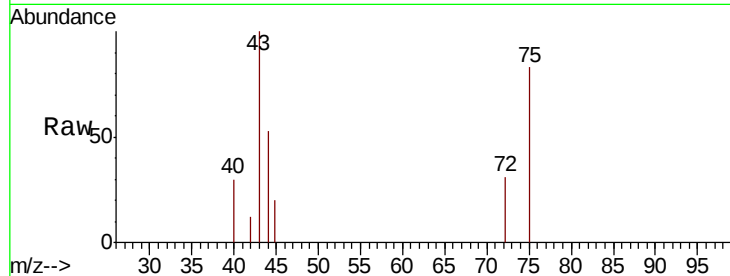




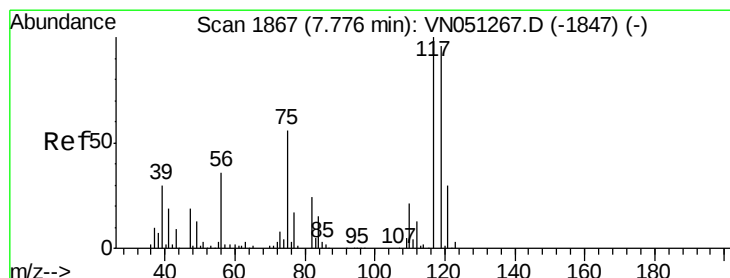
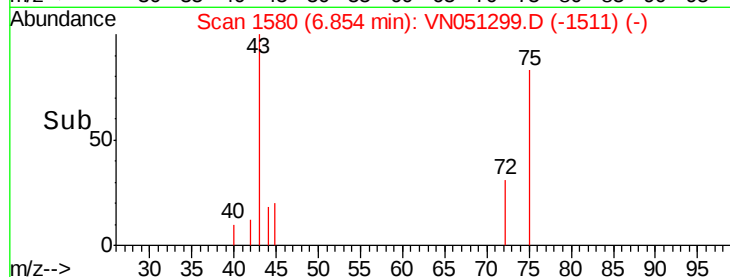
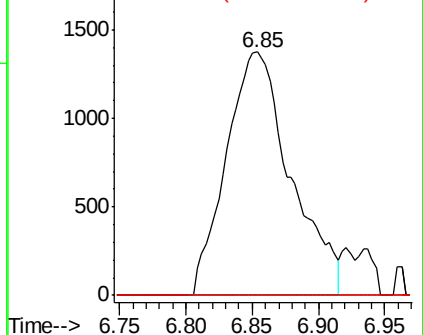
#37
Ethyl Acetate
Concen: 1.343 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.08 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Instrument :
MSVOA_N
ClientSampleId :
HD-02-091718

Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
61 0.0 12.3 18.5#
70 0.0 9.4 14.0#

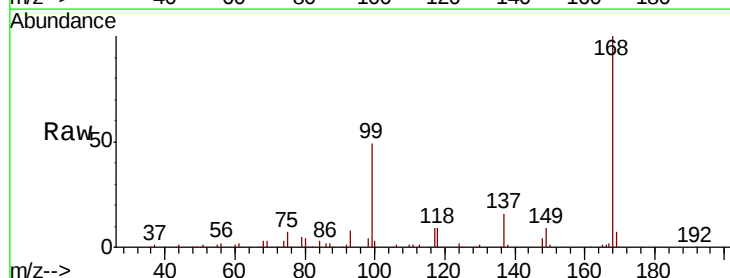


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

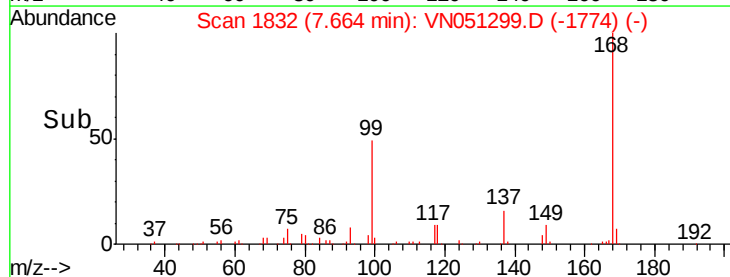
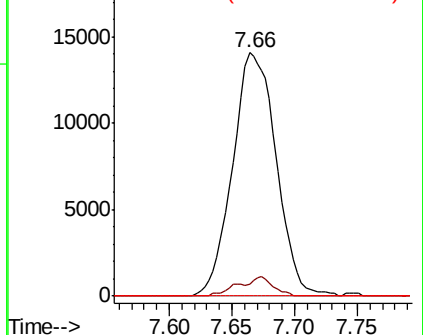


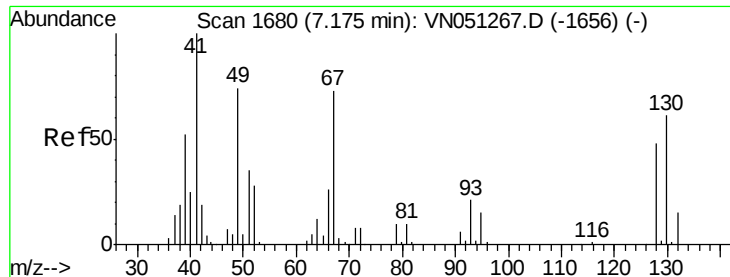
#38
Carbon Tetrachloride
Concen: 4.835 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion: 117 Resp: 34057
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.241 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

HD-02-091718

Tgt Ion: 41 Resp: 430

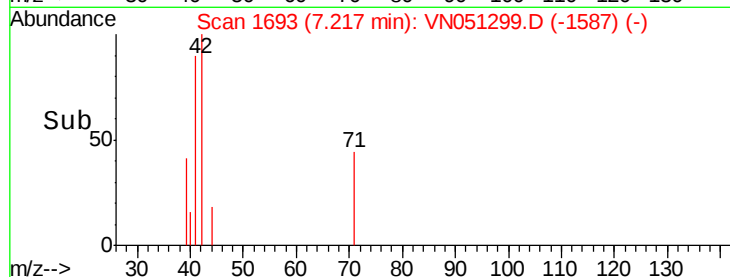
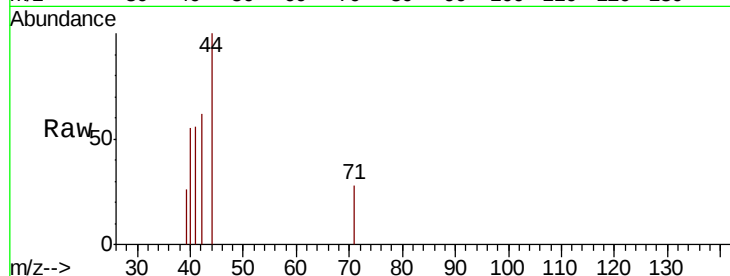
Ion Ratio Lower Upper

41 100

39 14.9 47.8 71.6#

67 0.0 69.8 104.6#

52 0.0 26.6 40.0#

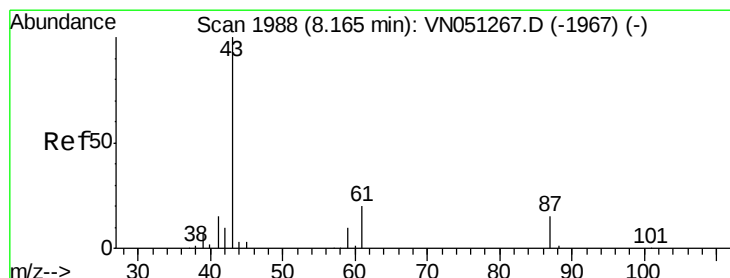
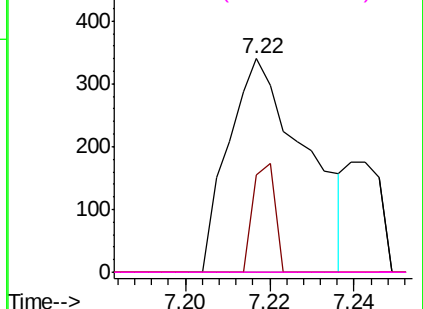


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 36.238 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

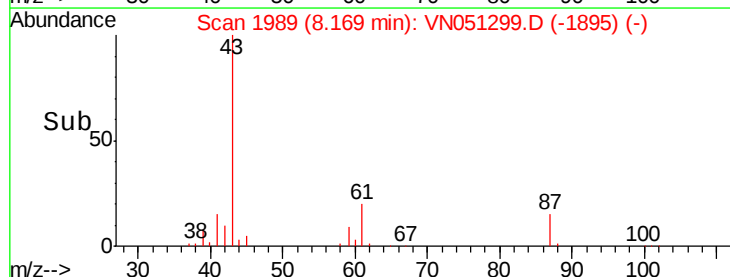
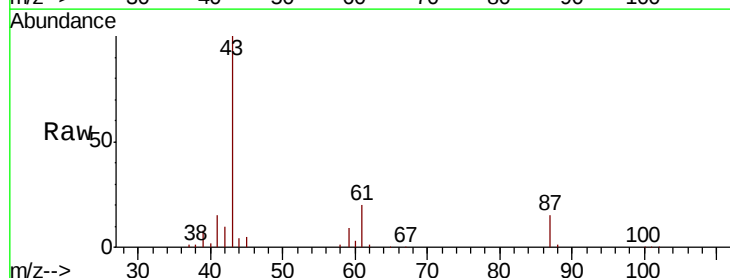
Tgt Ion: 43 Resp: 217743

Ion Ratio Lower Upper

43 100

61 18.8 17.4 26.2

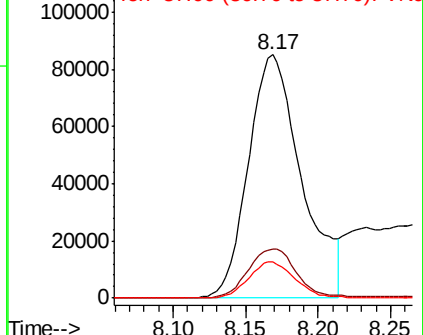
87 13.0 12.2 18.4

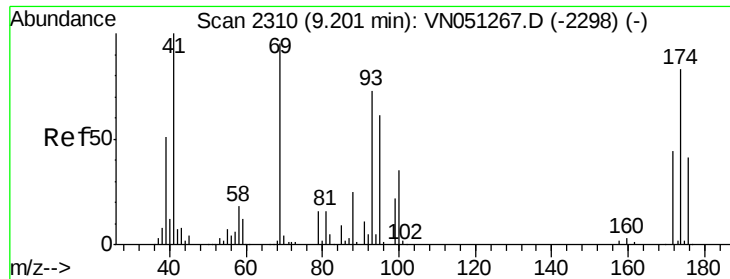


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

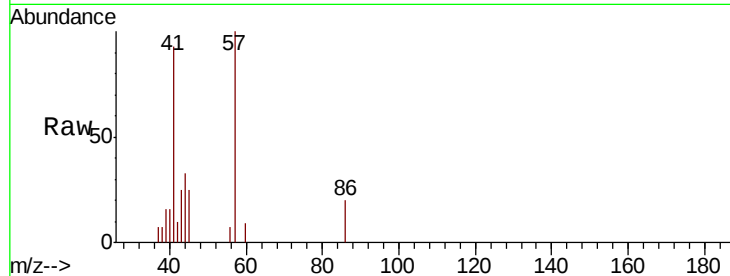




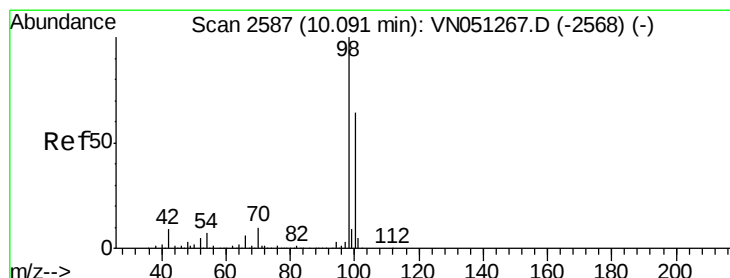
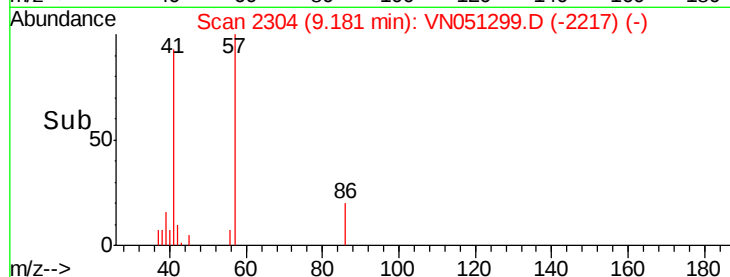
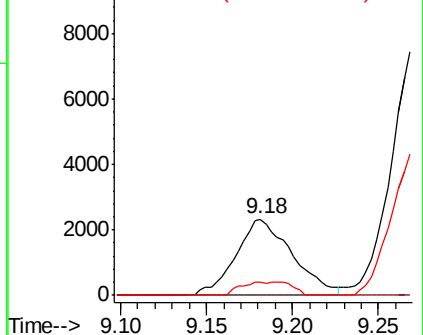
#48
Methyl methacrylate
Concen: 1.827 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Instrument :
MSVOA_N
ClientSampleId :
HD-02-091718

Tgt Ion: 41 Resp: 5288
Ion Ratio Lower Upper
41 100
69 0.0 78.9 118.3#
39 8.3 42.2 63.2#

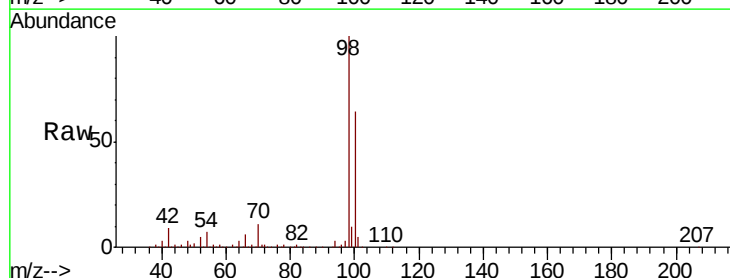


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

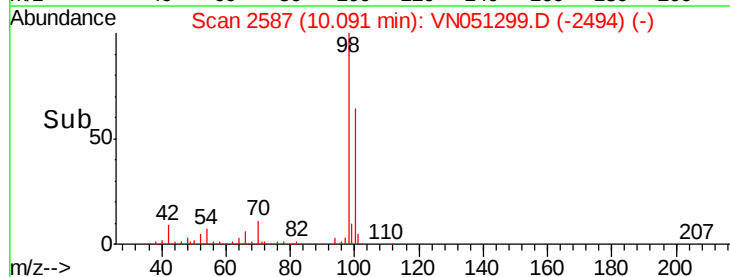
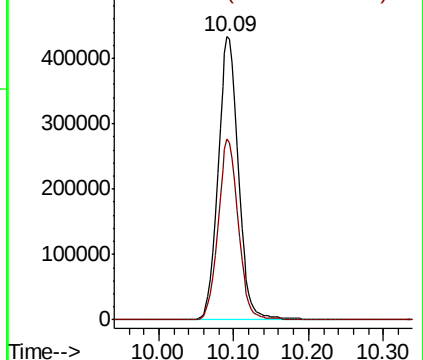


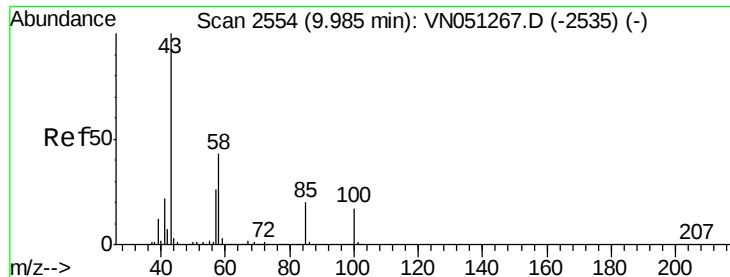
#50
Toluene-d8
Concen: 45.273 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion: 98 Resp: 811490
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

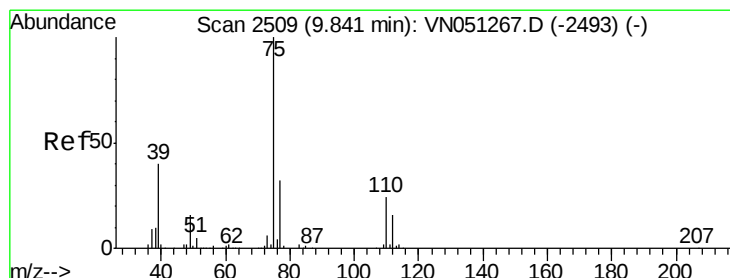
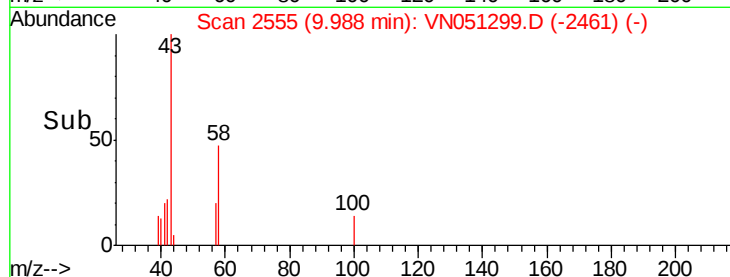
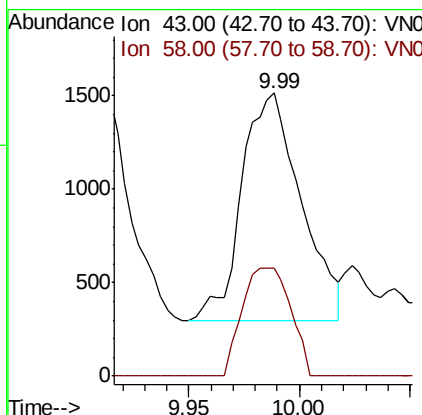
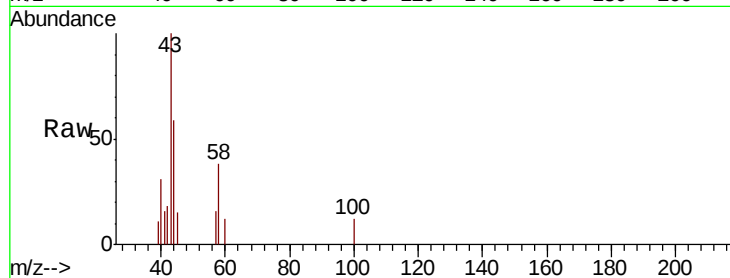




#51
 4-Methyl-2-Pentanone
 Concen: 0.731 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

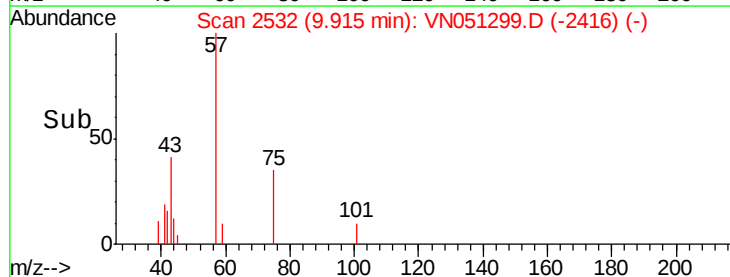
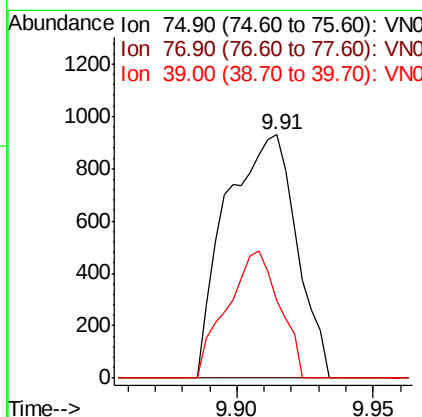
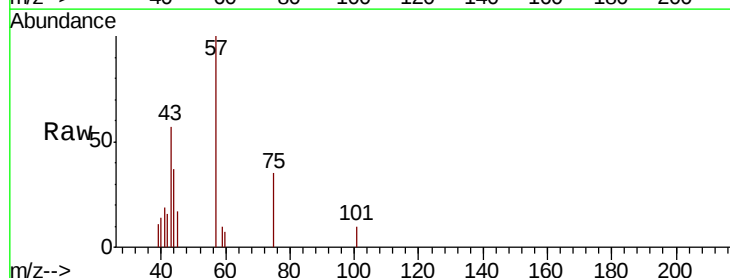
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

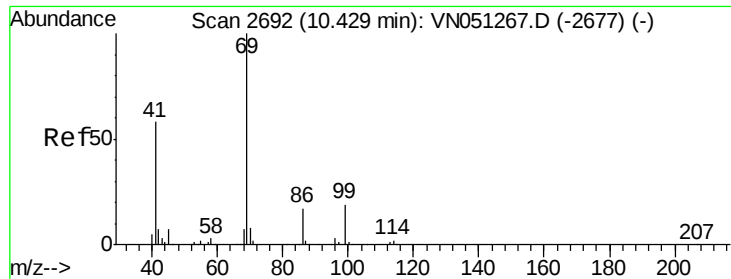
Tgt Ion: 43 Resp: 2267
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.8 50.6



#54
 cis-1,3-Dichloropropene
 Concen: 0.224 ug/l
 RT: 9.91 min Scan# 2532
 Delta R.T. 0.07 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion: 75 Resp: 1665
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 31.7 31.8 47.8#

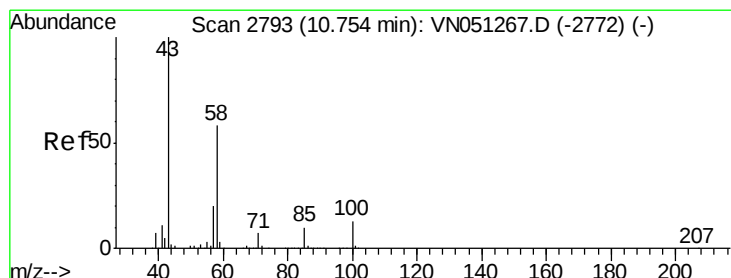
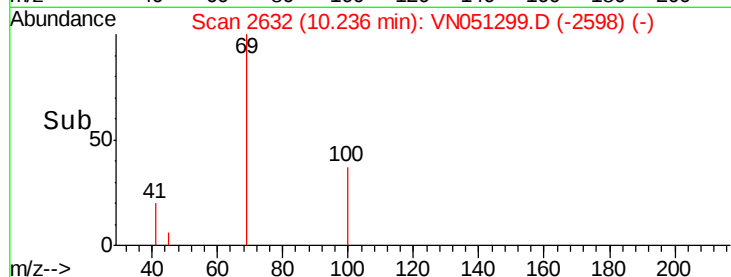
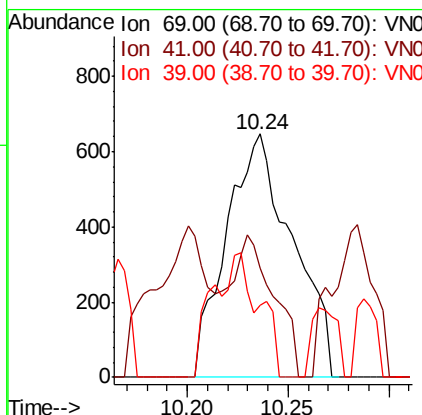
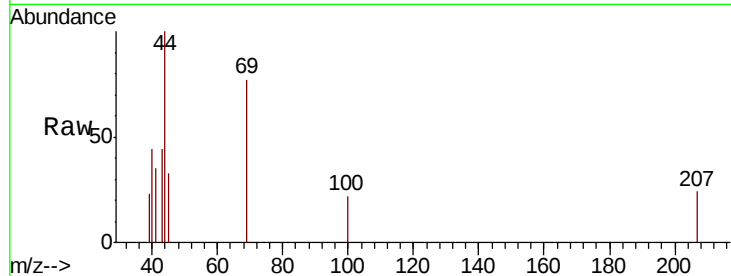




#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.19 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

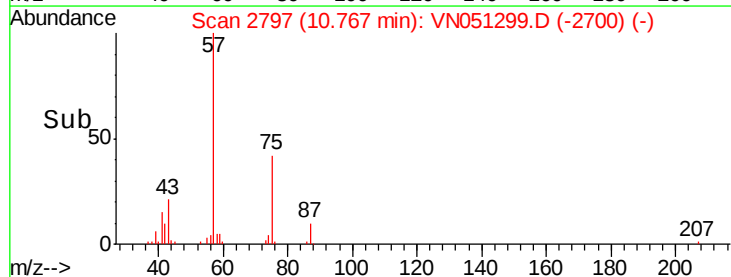
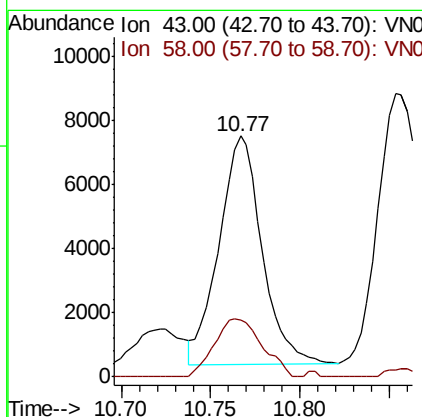
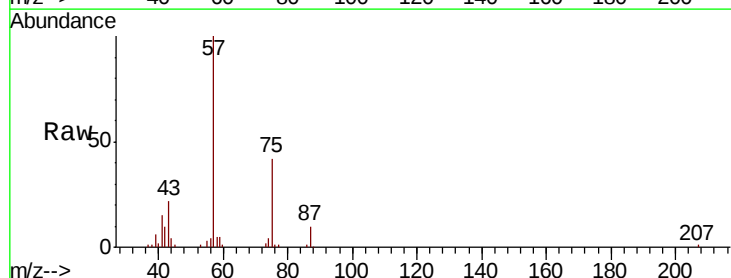
Instrument :
MSVOA_N
ClientSampled :
HD-02-091718

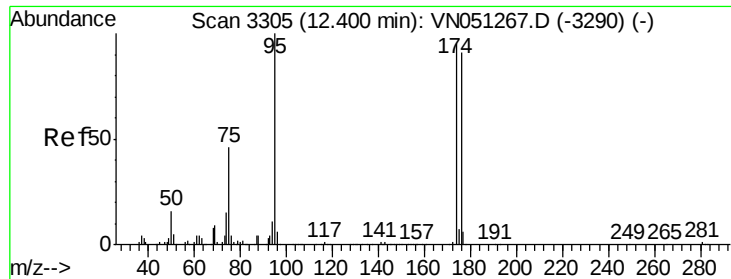
Tgt Ion: 69 Resp: 1475
Ion Ratio Lower Upper
69 100
41 34.0 47.4 71.0#
39 35.6 23.7 35.5#



#59
2-Hexanone
Concen: 5.846 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion: 43 Resp: 11934
Ion Ratio Lower Upper
43 100
58 28.2 28.9 86.8#





#62

4-Bromofluorobenzene

Concen: 36.583 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

HD-02-091718

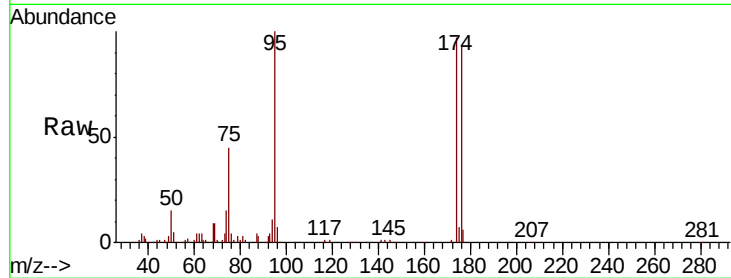
Tgt Ion: 95 Resp: 208568

Ion Ratio Lower Upper

95 100

174 95.3 0.0 189.6

176 91.5 0.0 182.6

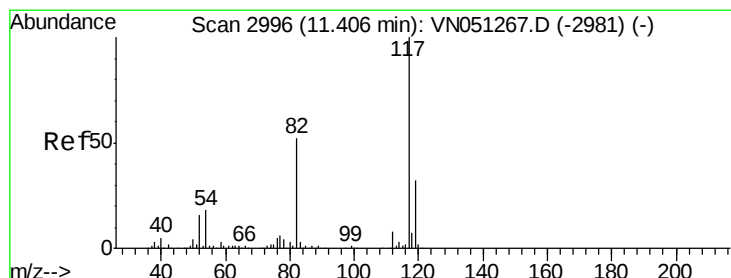
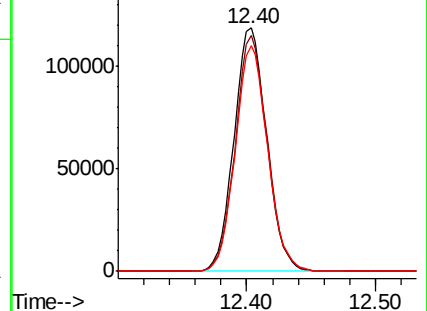
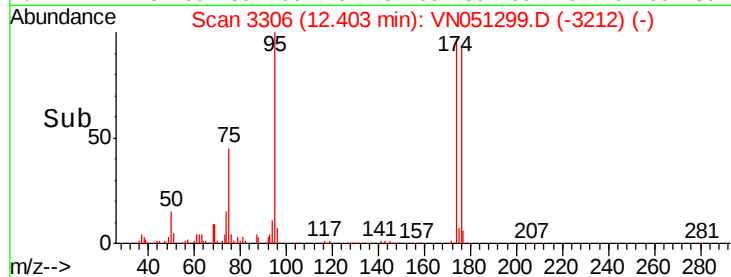


Abundance Ion 94.90 (94.60 to 95.60): VN051267.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051267.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051267.D (-3290) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

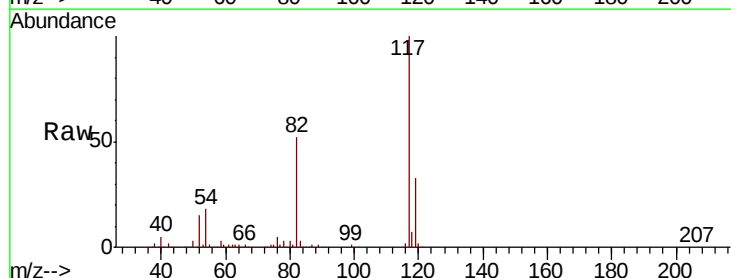
Tgt Ion: 117 Resp: 512521

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 33.1 25.6 38.4

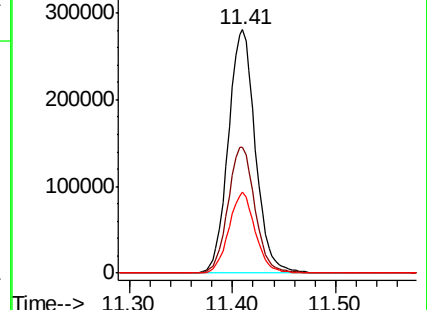
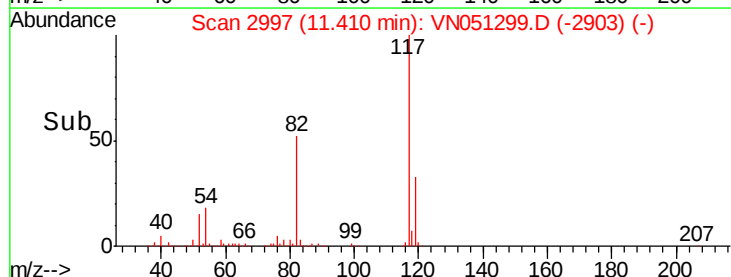


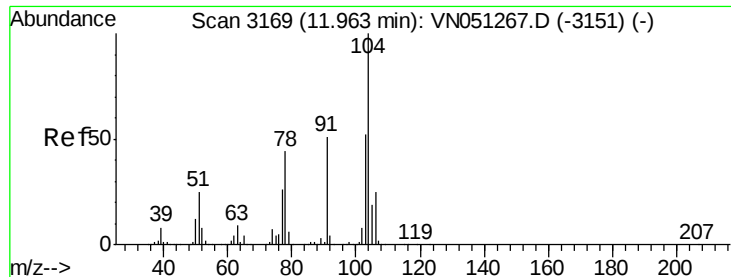
Abundance Ion 116.90 (116.60 to 117.60): VN051267.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051267.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051267.D (-2981) (-)

11.41

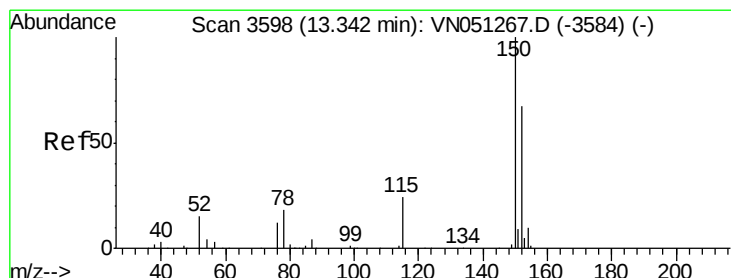
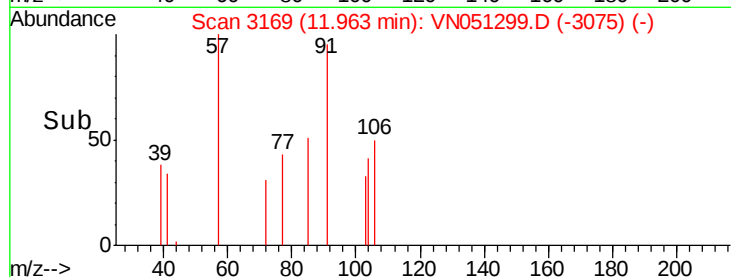
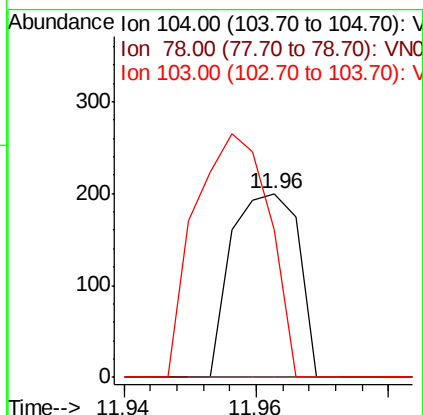
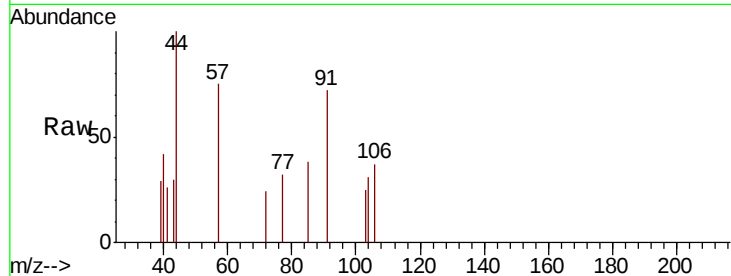




#70
Styrene
Concen: 1.254 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

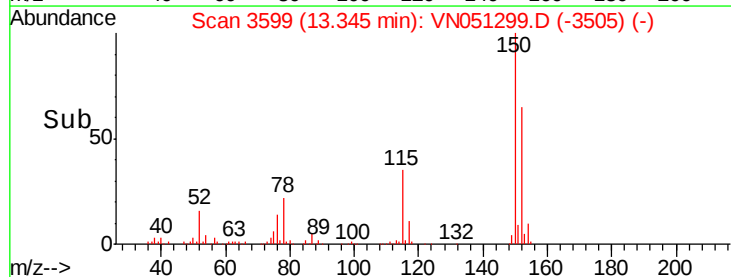
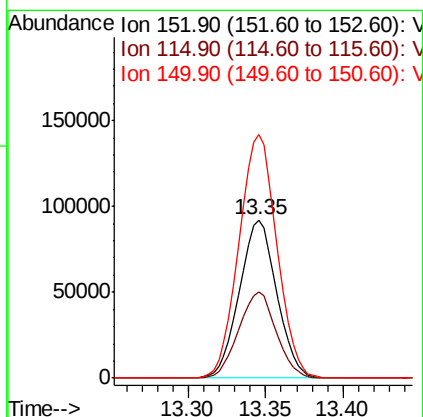
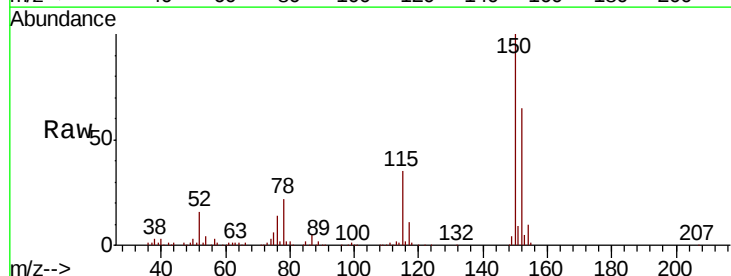
Instrument :
MSVOA_N
ClientSampled :
HD-02-091718

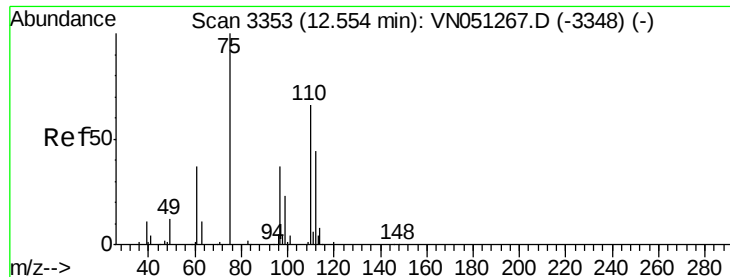
Tgt Ion:104 Resp: 141
Ion Ratio Lower Upper
104 100
78 0.0 38.1 57.1#
103 146.1 44.8 67.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051299.D
Acq: 18 Sep 2018 15:50

Tgt Ion:152 Resp: 155046
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.2
150 156.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 43.999 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

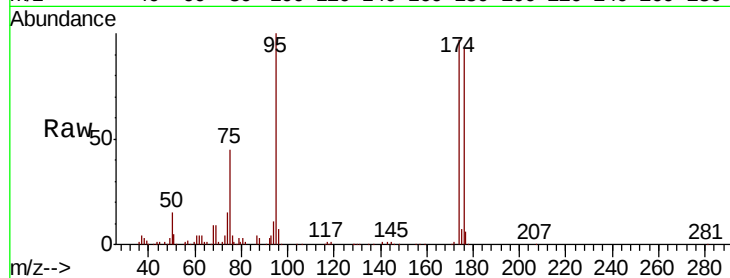
HD-02-091718

Tgt Ion: 75 Resp: 93966

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051267.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051267.D (-3348) (-)

12.40

60000

50000

40000

30000

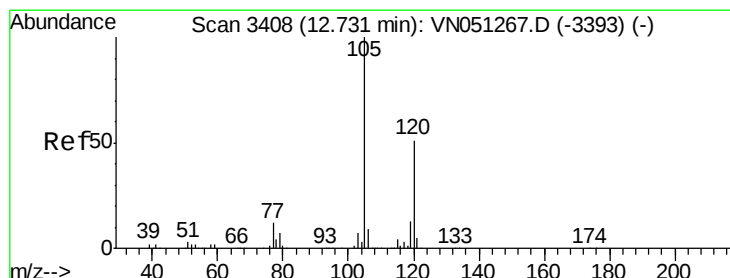
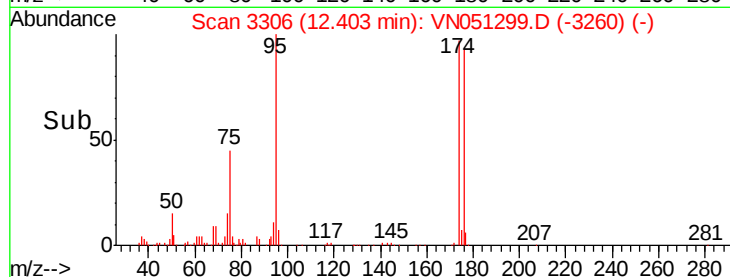
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.238 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN051299.D

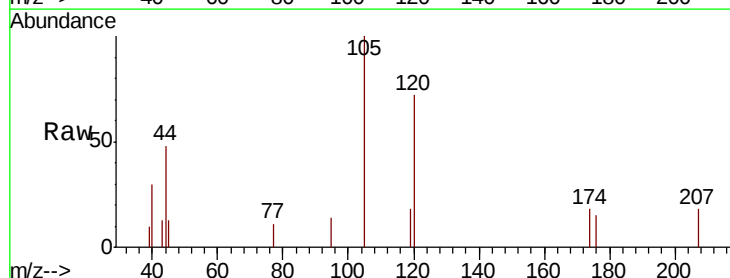
Acq: 18 Sep 2018 15:50

Tgt Ion: 105 Resp: 2483

Ion Ratio Lower Upper

105 100

120 64.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3393) (-)

12.74

1500

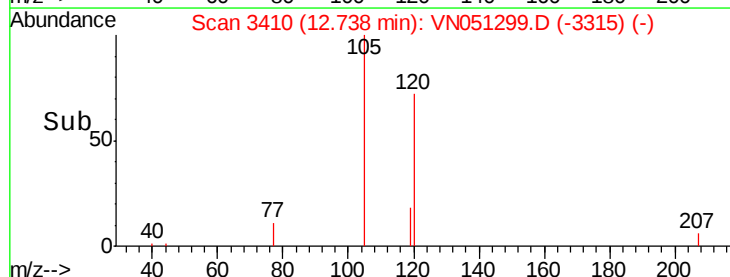
1000

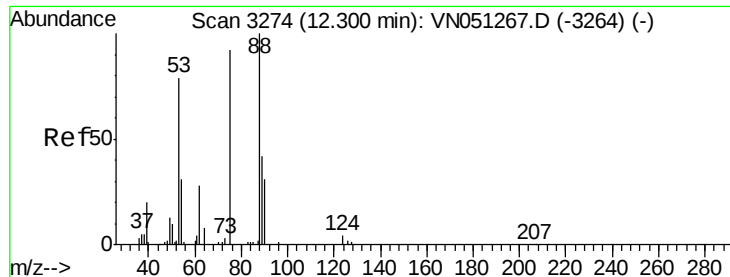
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 134.605 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

HD-02-091718

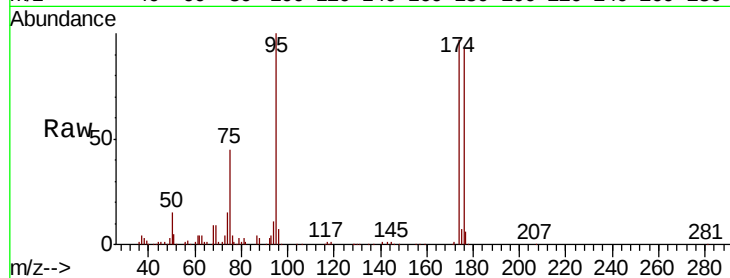
Tgt Ion: 75 Resp: 93966

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

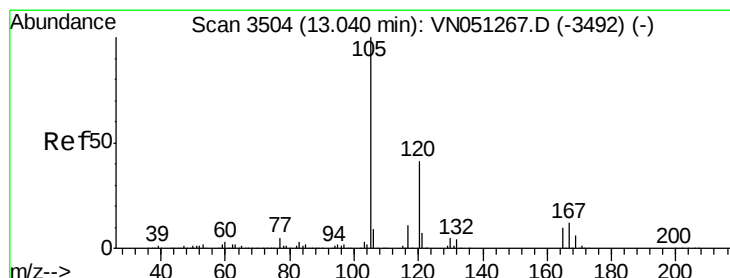
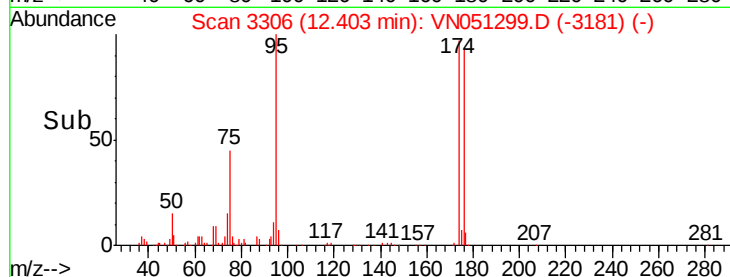
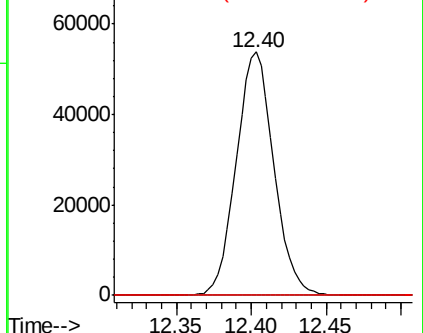
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.617 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051299.D

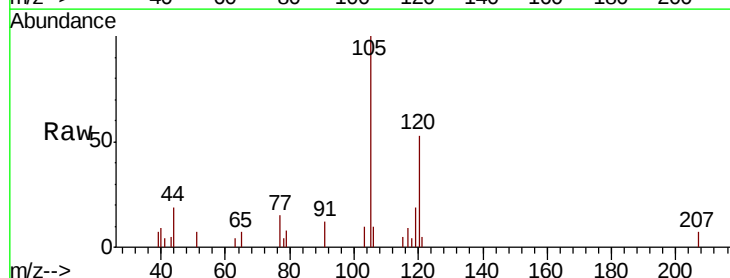
Acq: 18 Sep 2018 15:50

Tgt Ion: 105 Resp: 6261

Ion Ratio Lower Upper

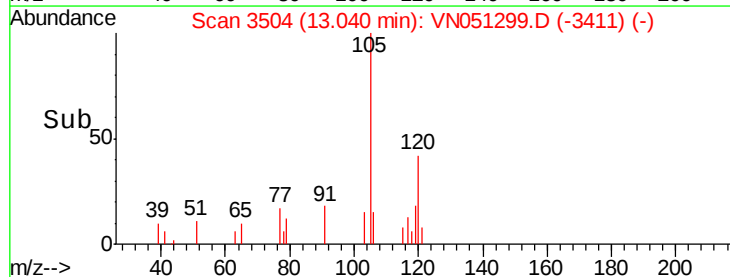
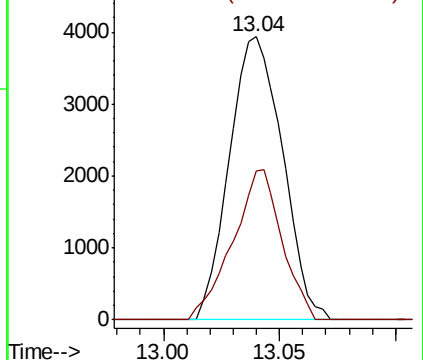
105 100

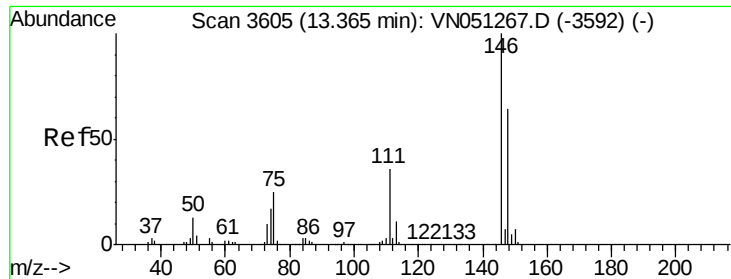
120 49.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

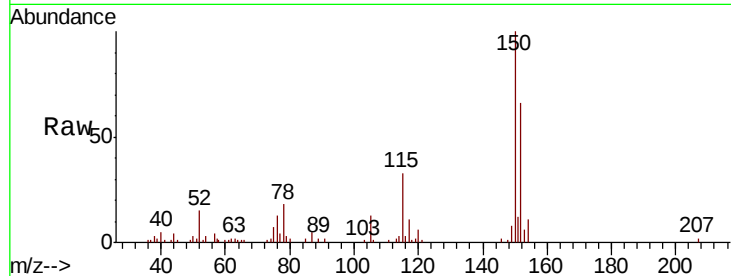




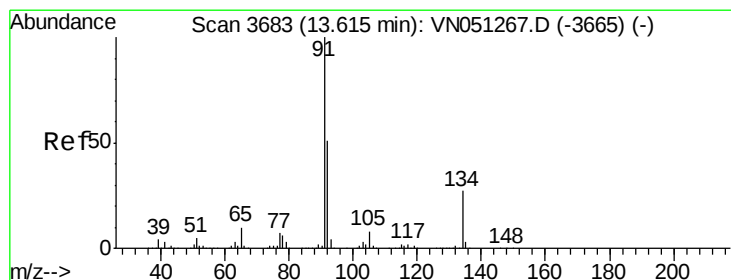
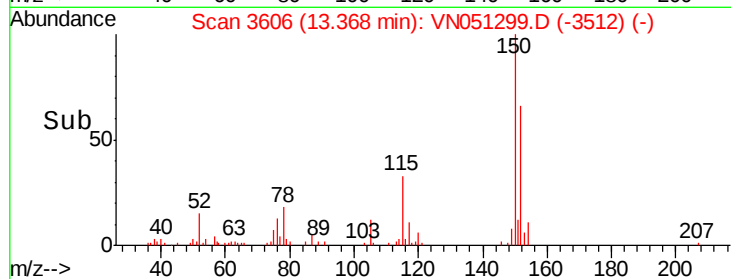
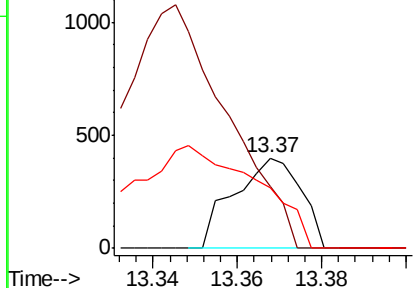
#88
 1,4-Dichlorobenzene
 Concen: 0.491 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

Tgt Ion:146 Resp: 438
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.2 54.6#
 148 0.0 31.9 95.7#

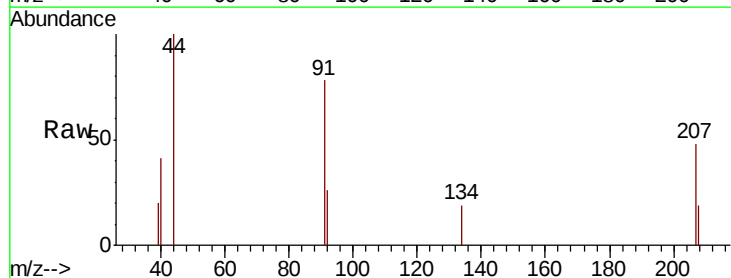


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

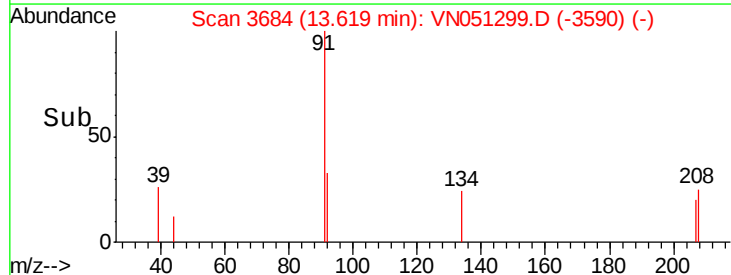
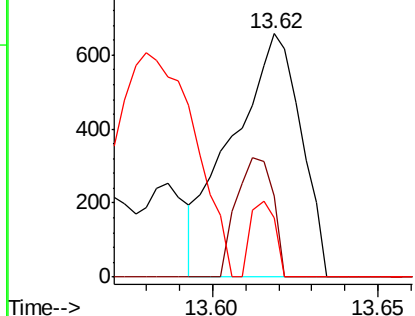


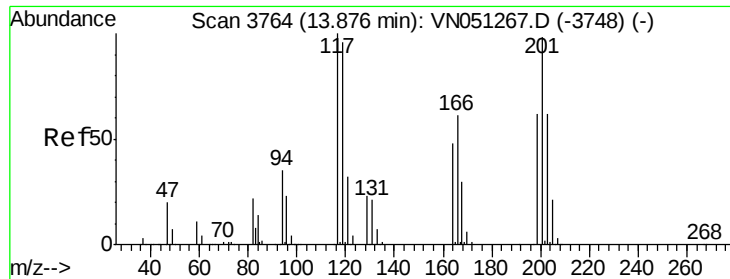
#89
 n-Butylbenzene
 Concen: 2.130 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion: 91 Resp: 949
 Ion Ratio Lower Upper
 91 100
 92 26.1 25.8 77.4
 134 11.1 13.7 41.0#



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





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

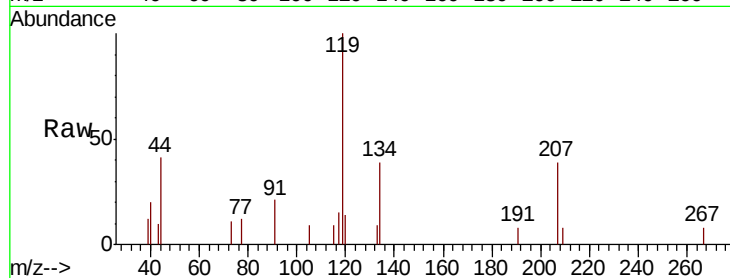
HD-02-091718

Tgt Ion:117 Resp: 278

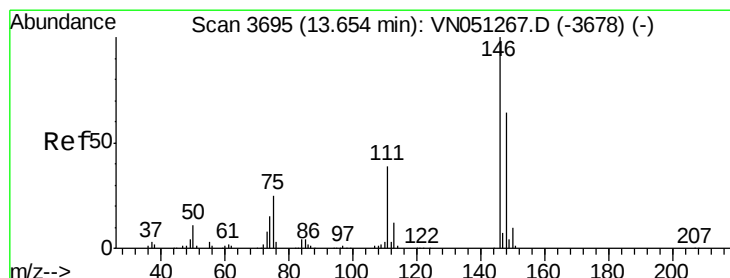
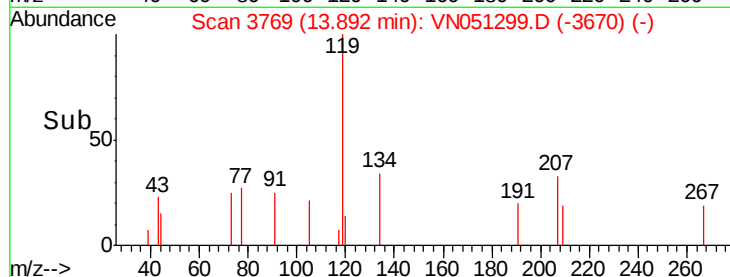
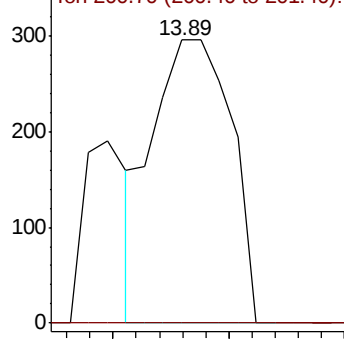
Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN051299.D

Acq: 18 Sep 2018 15:50

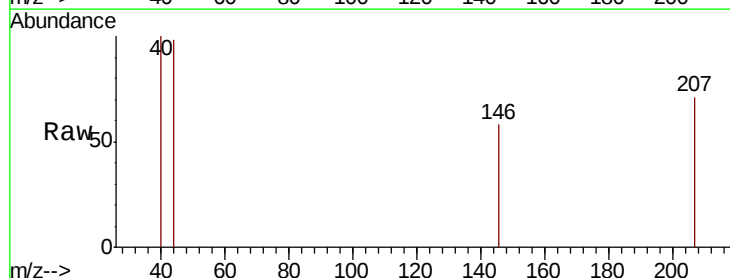
Tgt Ion:146 Resp: 271

Ion Ratio Lower Upper

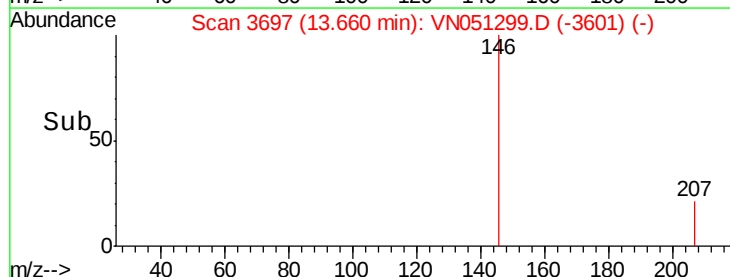
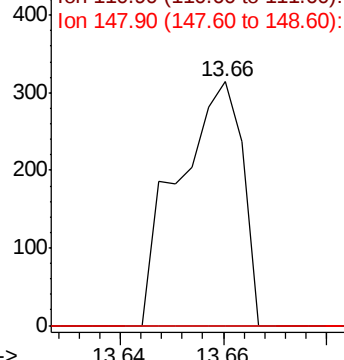
146 100

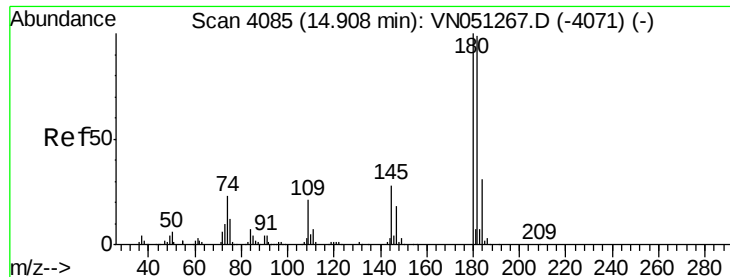
111 0.0 19.6 58.7#

148 0.0 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

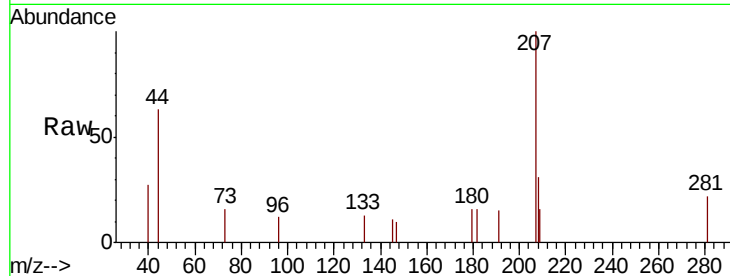




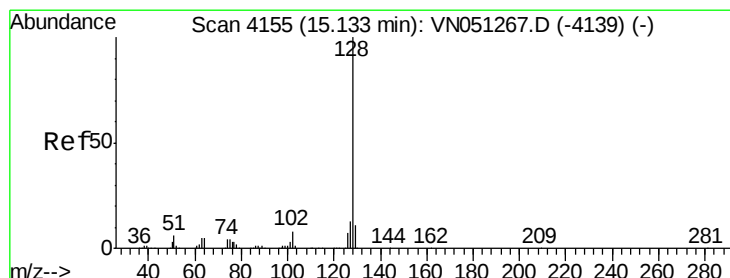
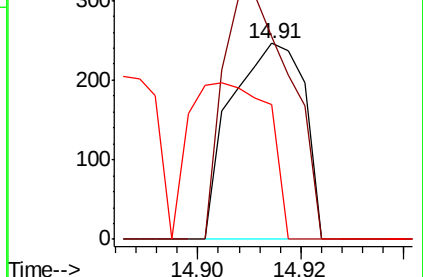
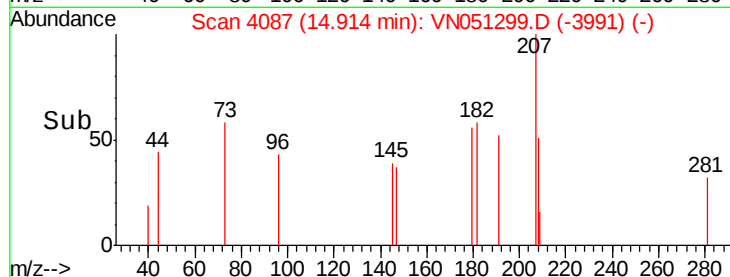
#93
 1,2,4-Trichlorobenzene
 Concen: 5.116 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

Tgt Ion:180 Resp: 241
 Ion Ratio Lower Upper
 180 100
 182 116.2 48.5 145.6
 145 86.7 14.0 41.9#

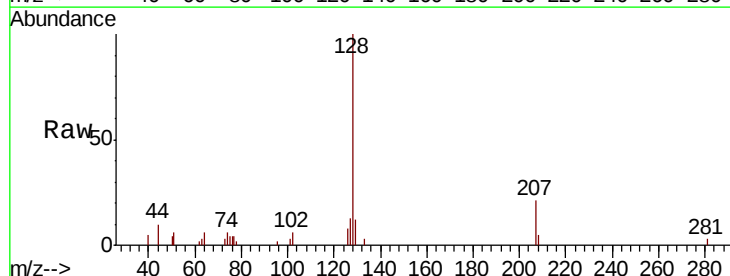


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

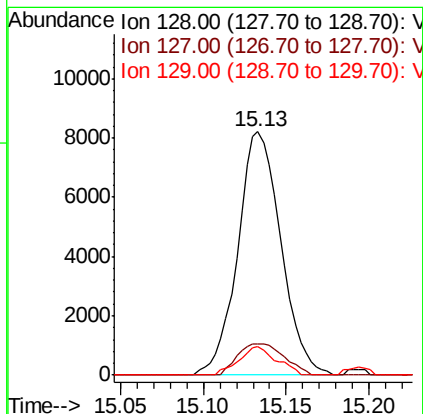
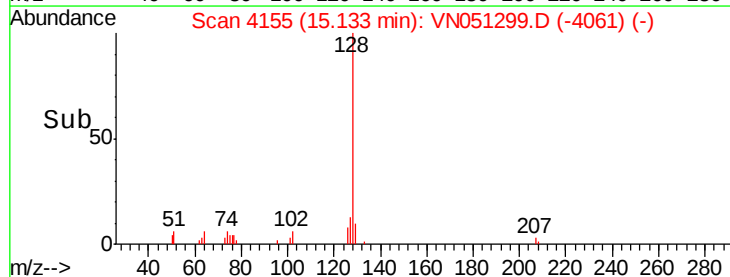


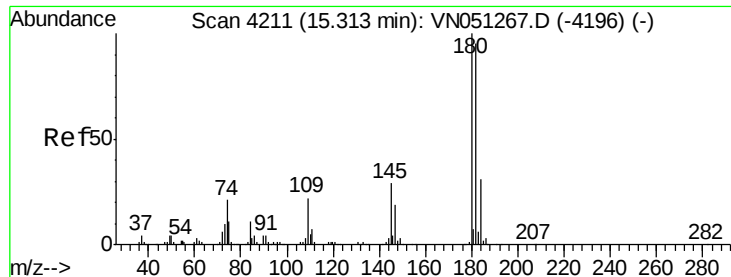
#95
 Naphthalene
 Concen: 8.625 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Tgt Ion:128 Resp: 14865
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.7 16.1
 129 10.0 8.9 13.3



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: 3.945 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.01 min
 Lab File: VN051299.D
 Acq: 18 Sep 2018 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-091718

Tgt Ion	Ratio	Lower	Upper
180	100		
182	227.6	47.5	142.6#
145	162.9	14.8	44.4#

