

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056785.D
 Acq On : 17 Jul 2019 9:55
 Operator : JC/SP
 Sample : VN0717WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBL01

Quant Time: Jul 18 01:04:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	245731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	442345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	457492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	149416	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	7.59	113	134944	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	10.09	98	559016	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.40	95	189955	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

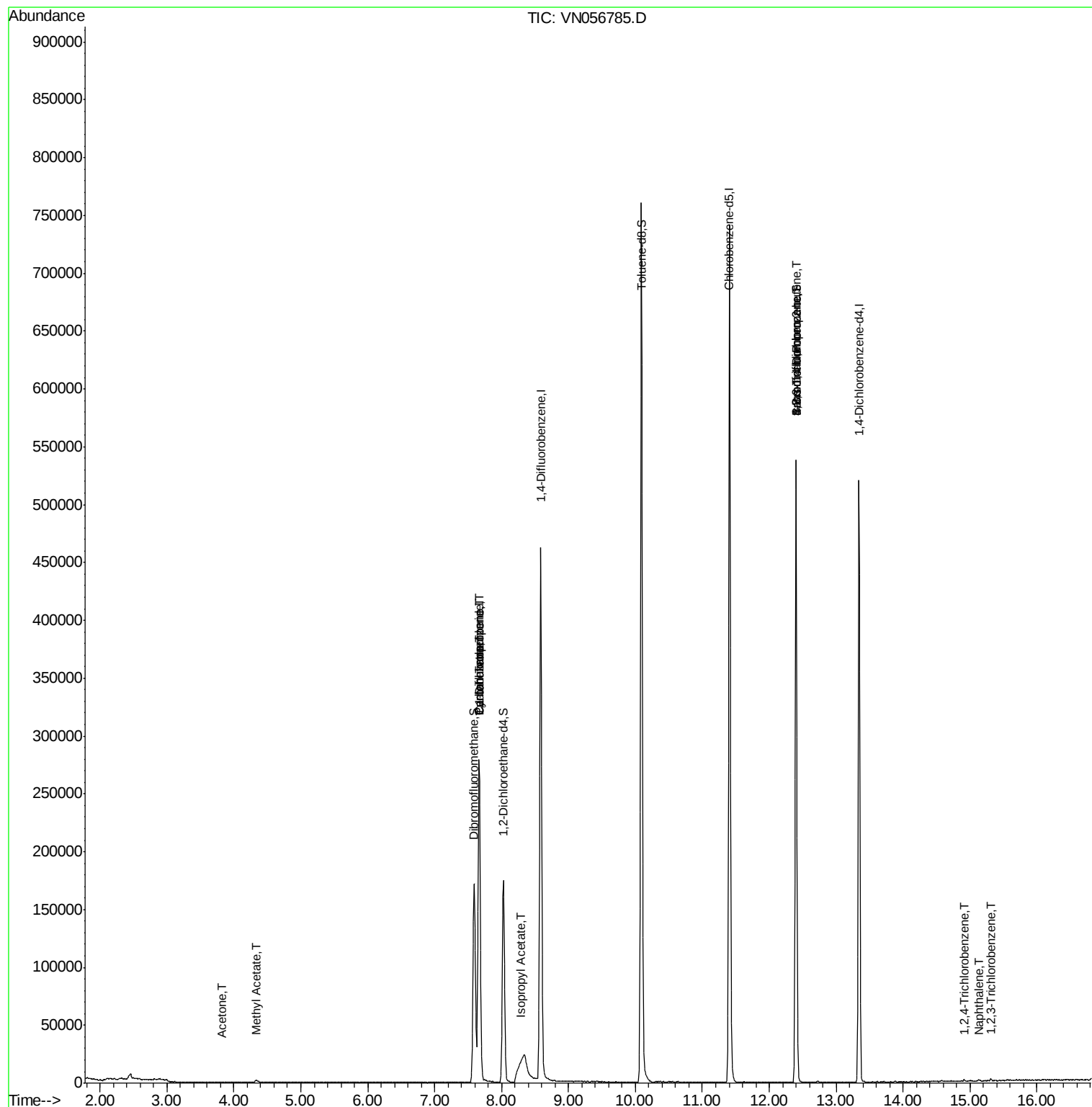
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	697	0.556	ug/l #	41
18) Methyl Acetate	4.33	43	4552	0.657	ug/l	91
31) Cyclohexane	7.66	56	3979	0.916	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15848	3.872	ug/l #	49
38) Carbon Tetrachloride	7.67	117	21793	5.677	ug/l #	17
43) Isopropyl Acetate	8.27	43	18663	2.943	ug/l #	53
71) Bromoform	12.40	173	1389	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	89751	27.173	ug/l #	100
79) 2-Chlorotoluene	12.68	91	30	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	89751	83.919	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	697	3.910	ug/l #	76
95) Naphthalene	15.13	128	1770	4.725	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	1152	3.690	ug/l #	90

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

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Data File : VN056785.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBL01

Quant Time: Jul 18 01:04:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056785.D

Acq: 17 Jul 2019 9:55

Instrument :

MSVOA_N

ClientSampleId :

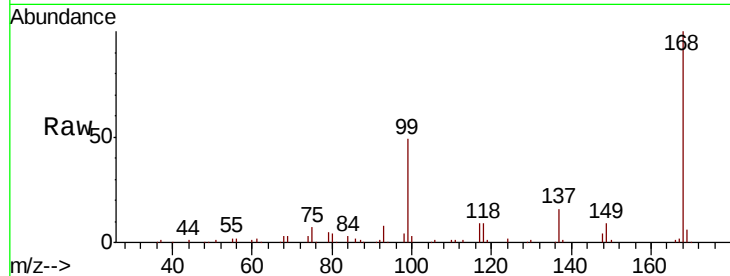
VN0717WBL01

Tot Ion:168 Resp: 245731

Ion Ratio Lower Upper

168 100

99 49.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

100000

80000

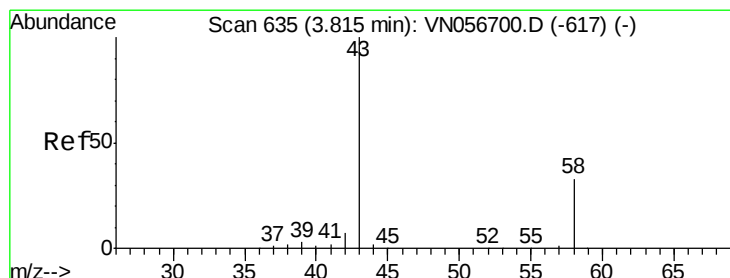
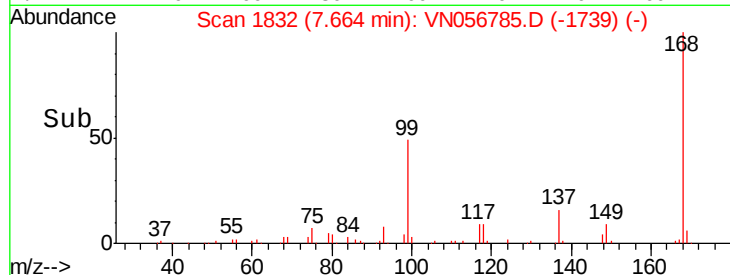
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 0.556 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056785.D

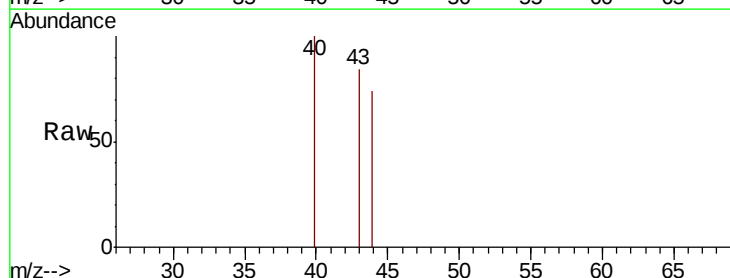
Acq: 17 Jul 2019 9:55

Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

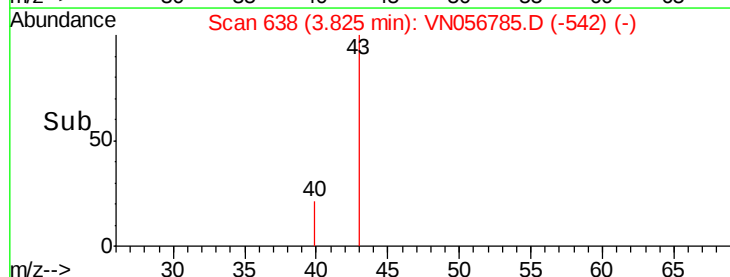
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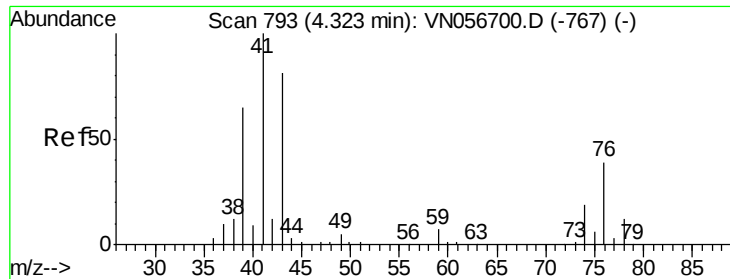
200

100

0

Time--> 3.80 3.85

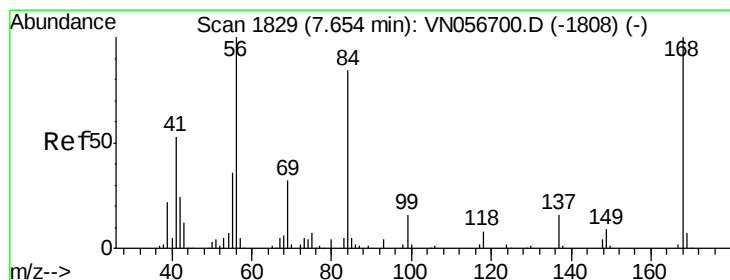
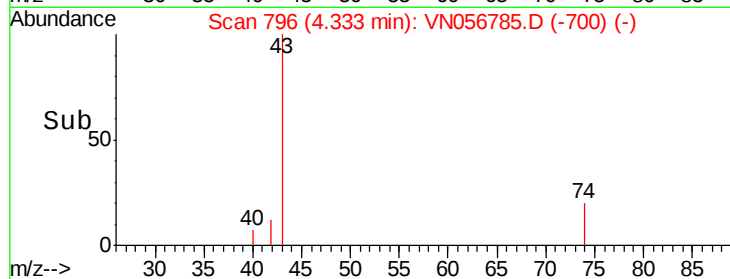
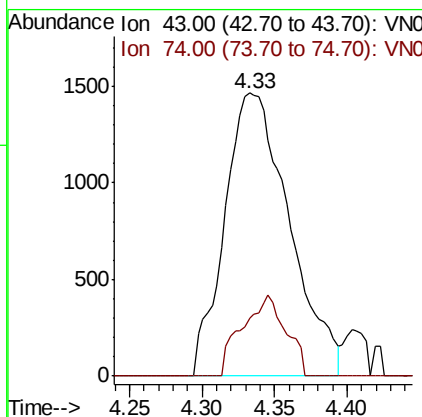
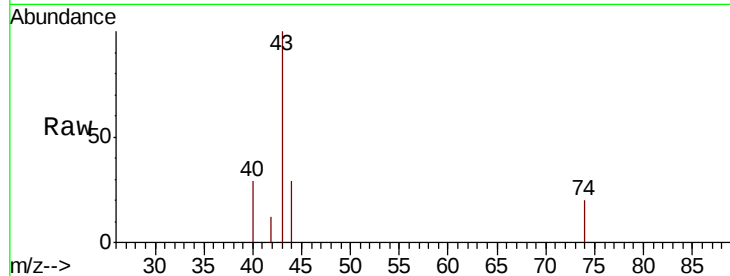




#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

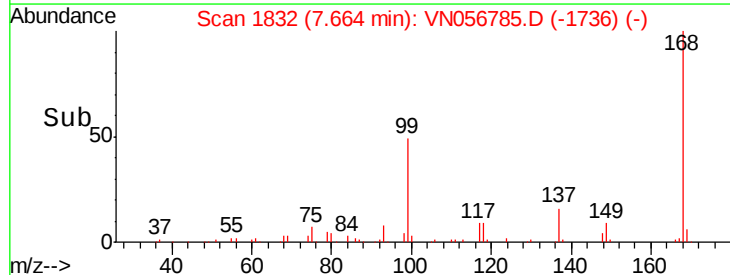
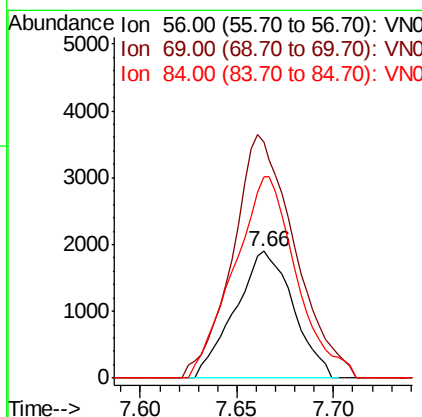
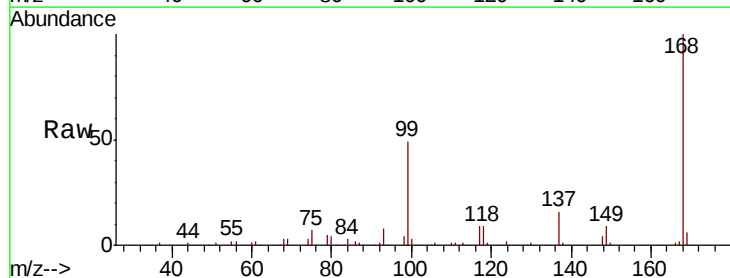
Instrument :
MSVOA_N
ClientSampleId :
VN0717WBL01

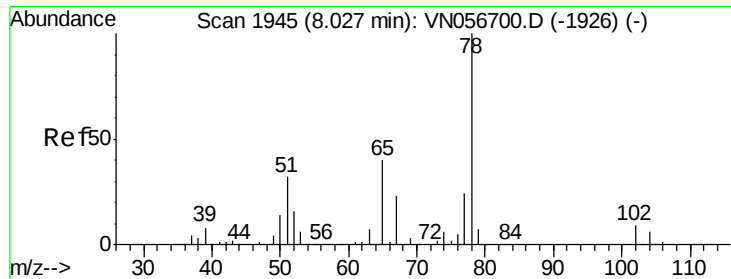
Tot Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
74 19.3 18.9 28.3



#31
Cyclohexane
Concen: 0.916 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

Tgt Ion: 56 Resp: 3979
Ion Ratio Lower Upper
56 100
69 174.7 25.8 38.8#
84 158.3 67.4 101.0#

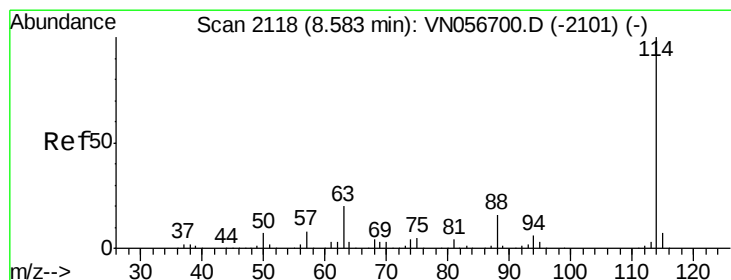
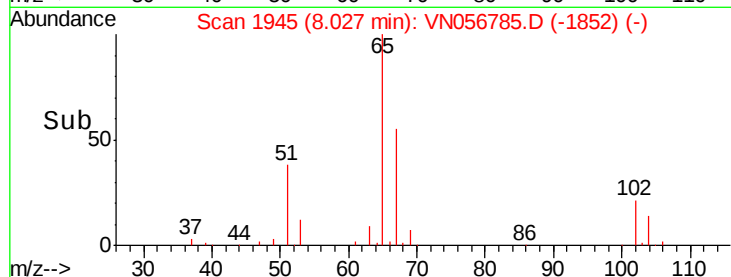
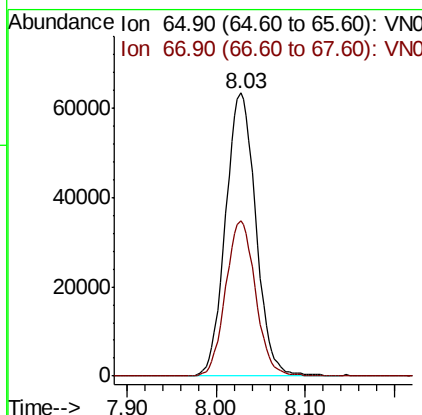
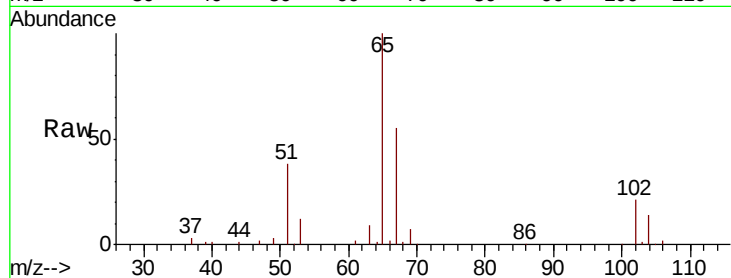




#33
 1,2-Dichloroethane-d4
 Concen: 54.970 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

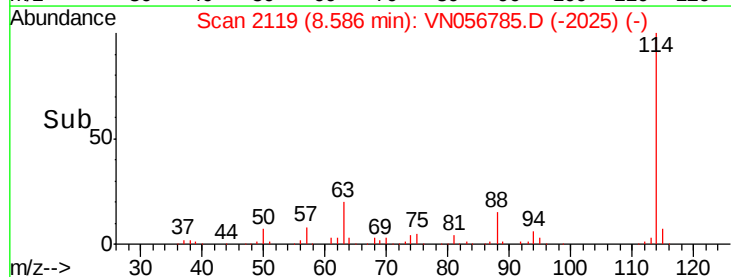
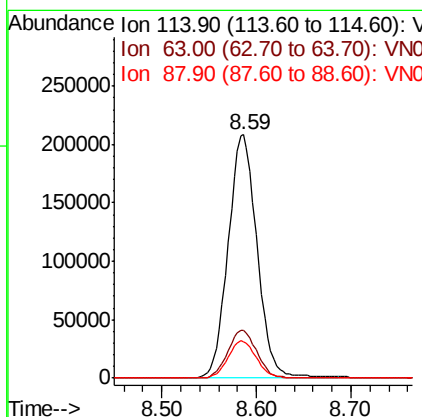
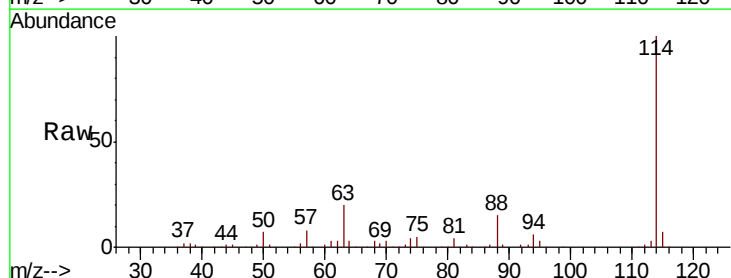
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBL01

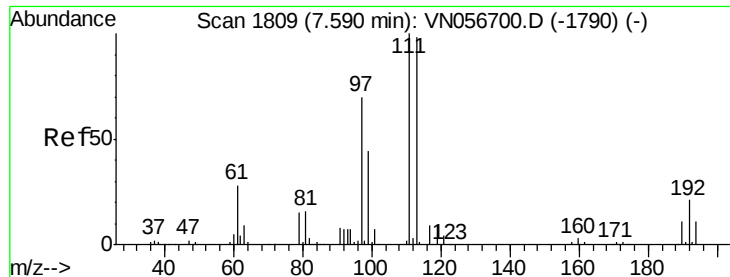
Tot Ion: 65 Resp: 149416
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

Tgt Ion: 114 Resp: 442345
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.2 0.0 31.2

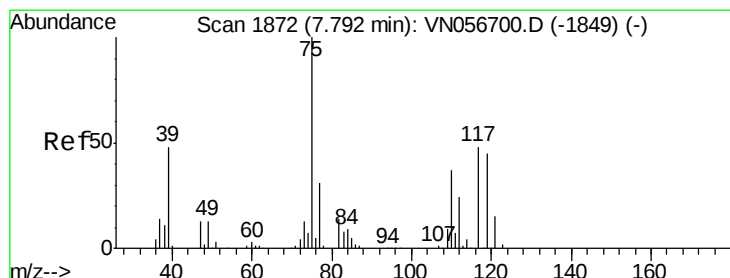
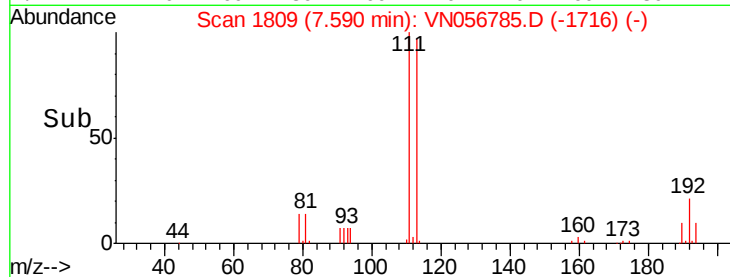
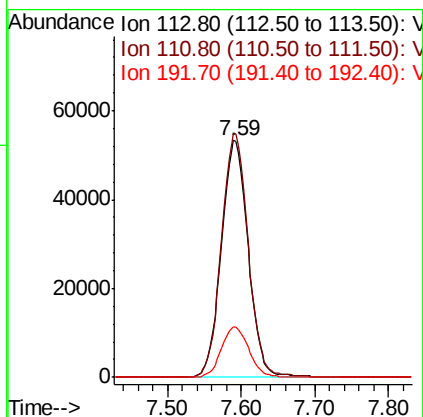
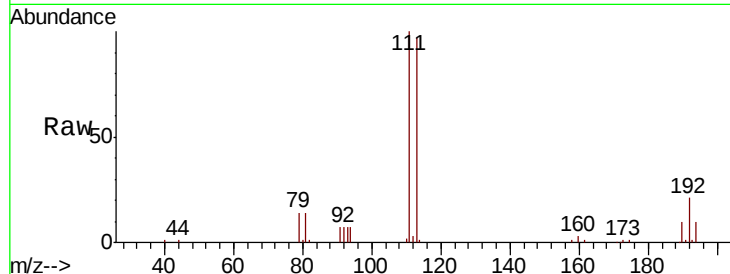




#35
 Dibromofluoromethane
 Concen: 49.021 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

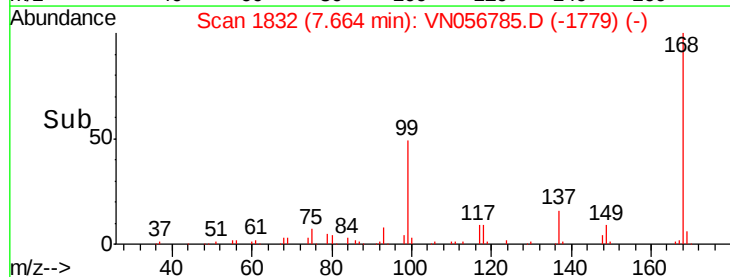
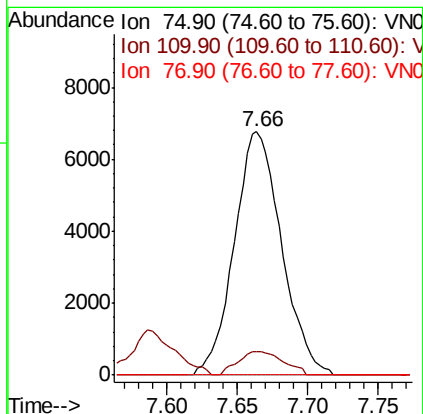
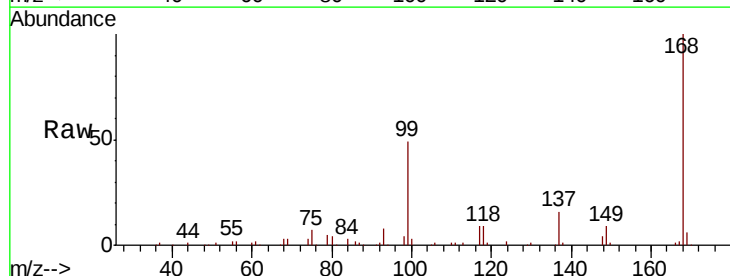
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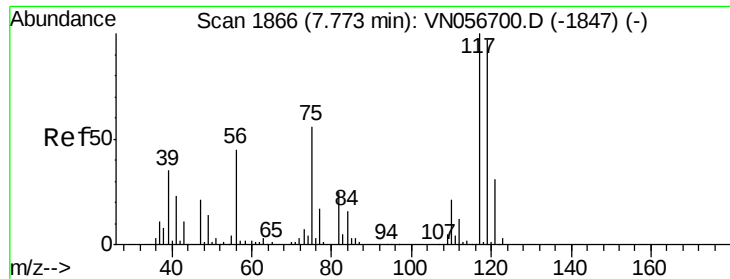
Tot Ion:113 Resp: 134944
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.6
 192 21.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 3.872 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

Tgt Ion: 75 Resp: 15848
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.4#
 77 0.0 24.6 36.8#

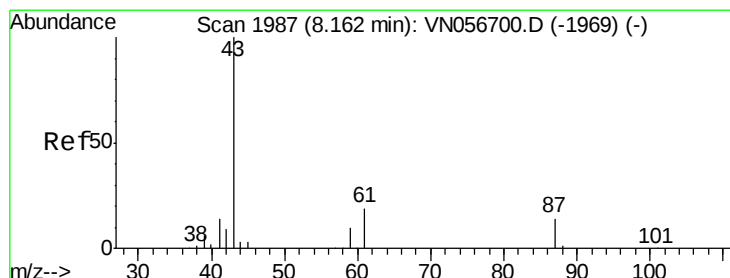
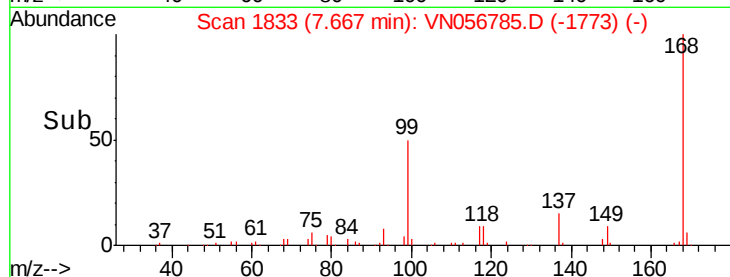
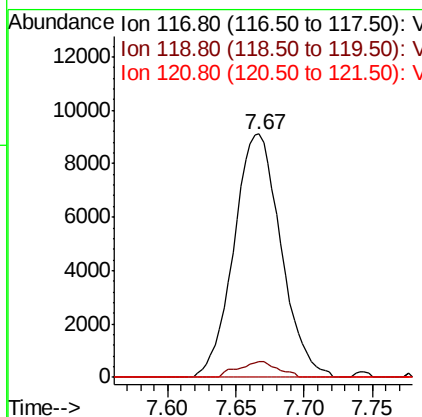
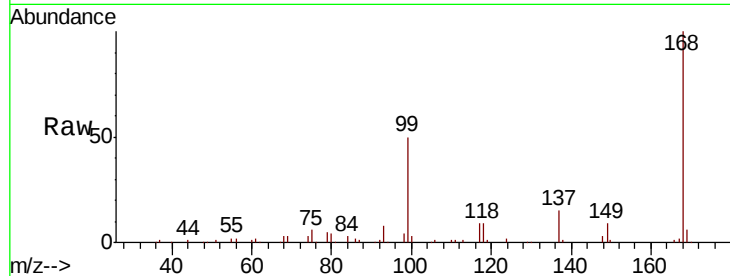




#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

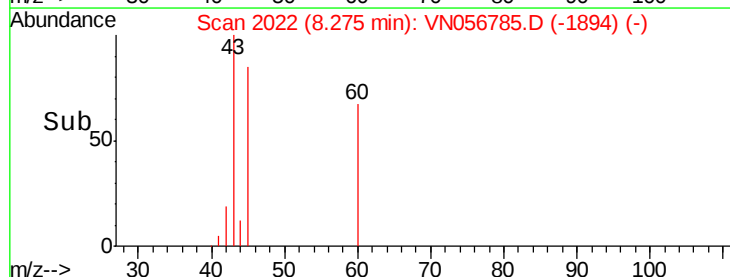
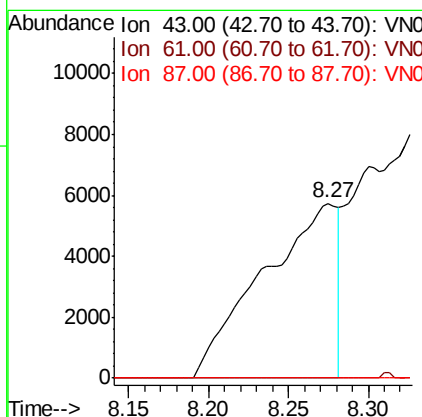
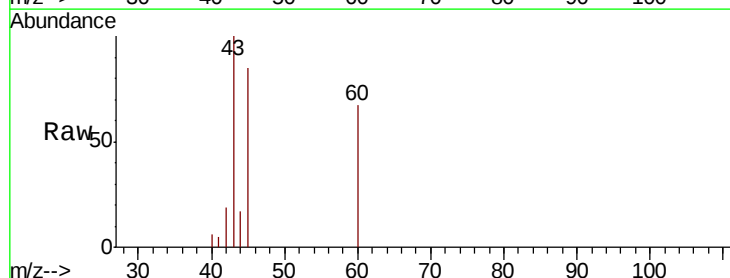
Instrument :
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ClientSampleId :
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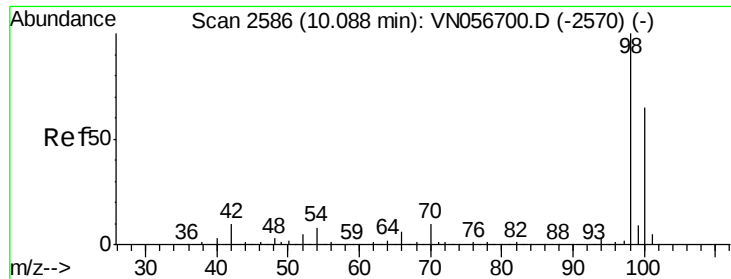
Tot Ion:117 Resp: 21793
Ion Ratio Lower Upper
117 100
119 6.6 77.5 116.3#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 2.943 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

Tgt Ion: 43 Resp: 18663
Ion Ratio Lower Upper
43 100
61 0.0 22.3 33.5#
87 0.0 11.1 16.7#

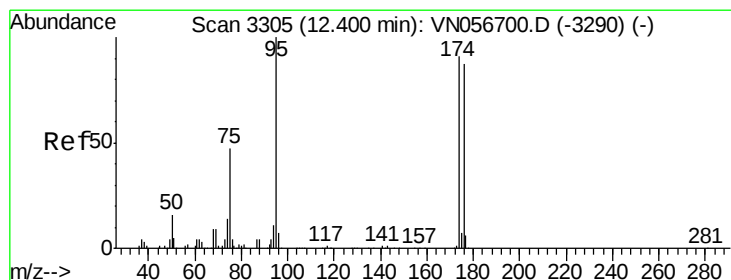
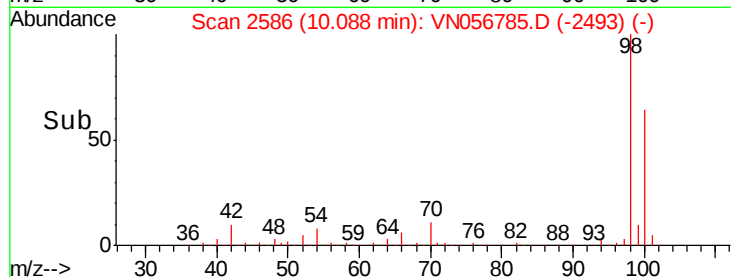
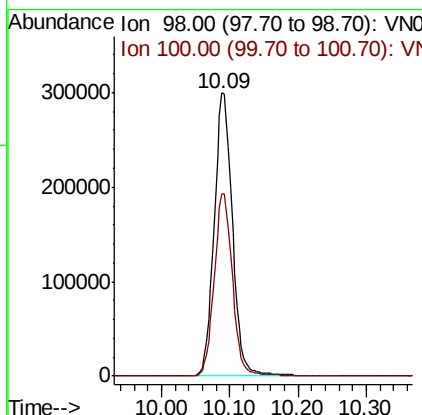
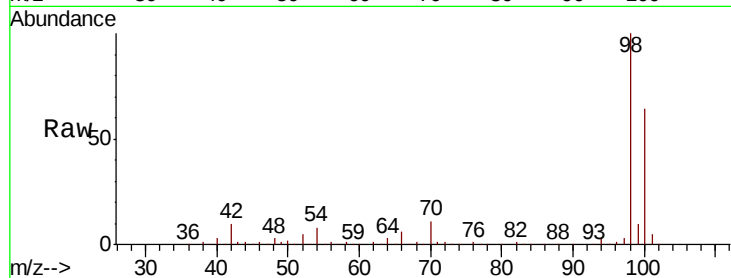




#50
Toluene-d8
Concen: 52.579 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

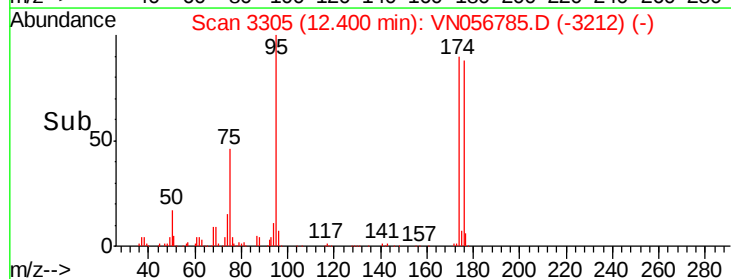
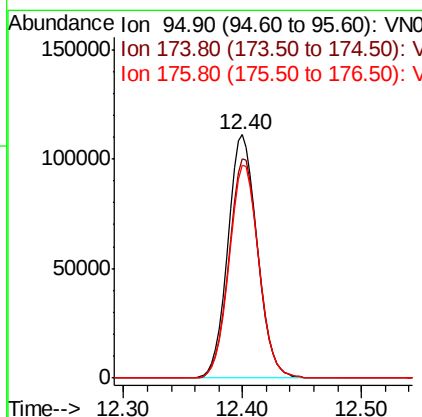
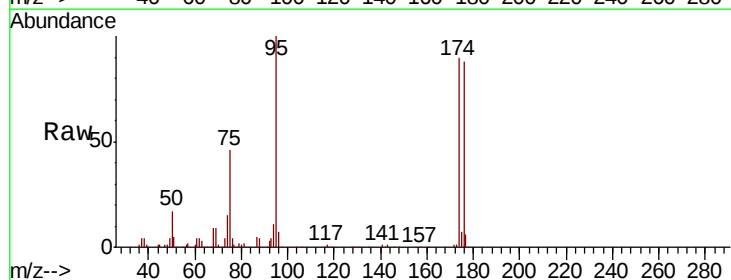
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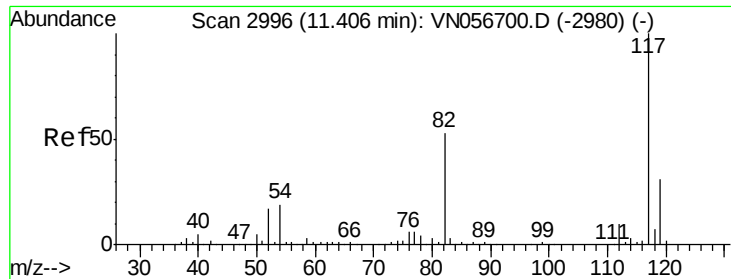
Tot Ion: 98 Resp: 559016
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.979 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056785.D
Acq: 17 Jul 2019 9:55

Tgt Ion: 95 Resp: 189955
Ion Ratio Lower Upper
95 100
174 90.9 0.0 180.0
176 88.5 0.0 173.2

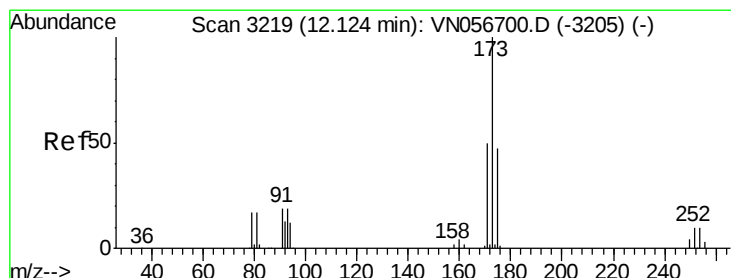
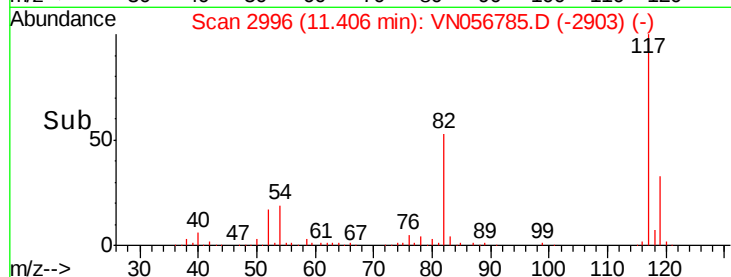
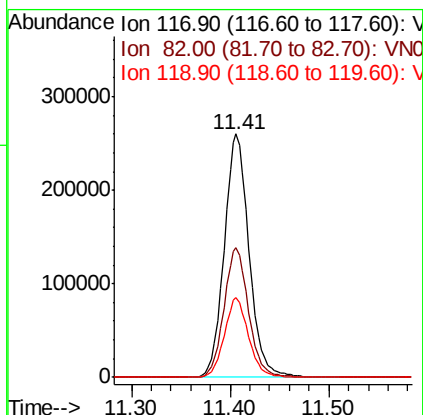
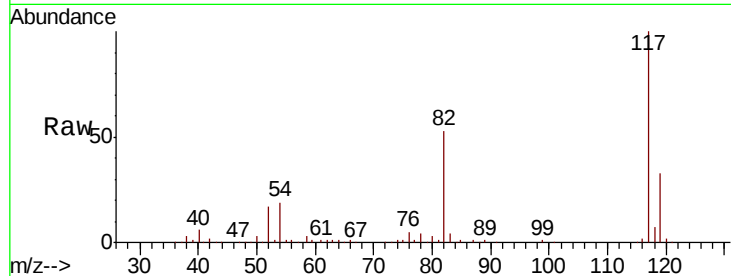




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

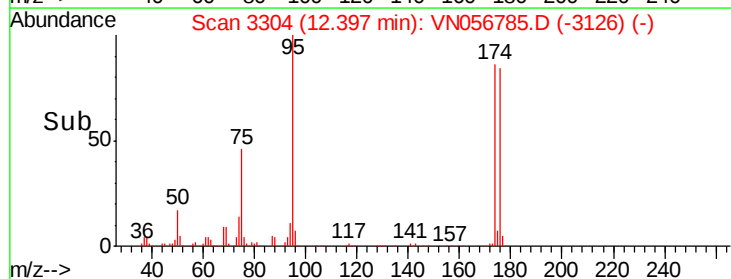
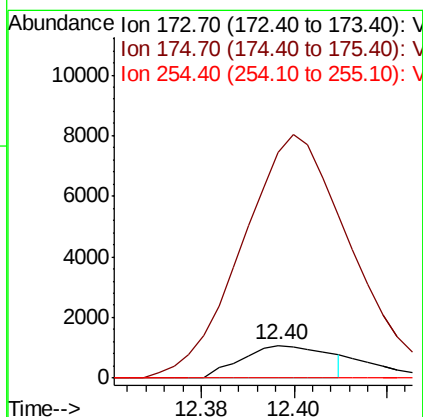
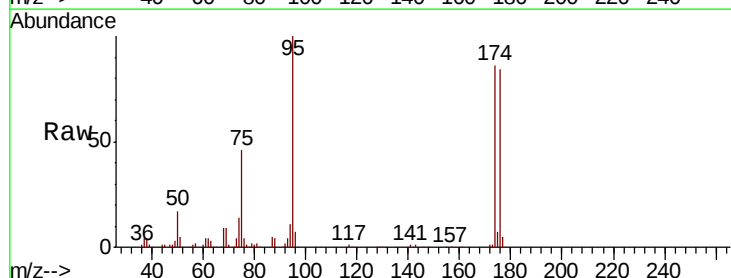
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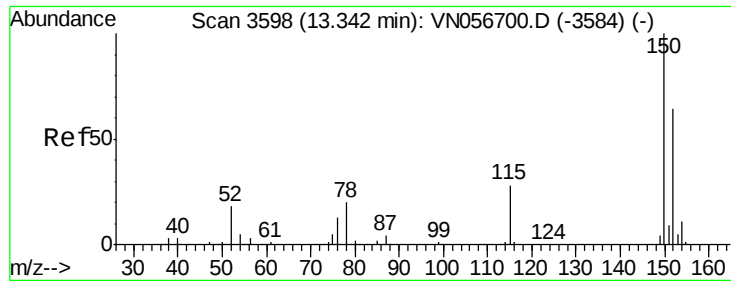
Tot Ion:117 Resp: 457492
 Ion Ratio Lower Upper
 117 100
 82 53.1 42.2 63.2
 119 32.7 25.2 37.8



#71
 Bromoform
 Concen: 0.530 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.27 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

Tgt Ion:173 Resp: 1389
 Ion Ratio Lower Upper
 173 100
 175 768.4 23.8 71.4#
 254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056785.D

Acq: 17 Jul 2019 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBL01

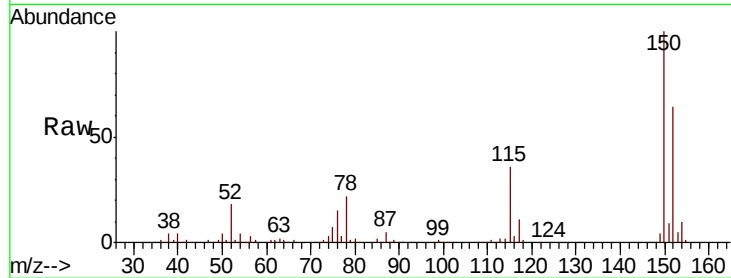
Tot Ion:152 Resp: 151016

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

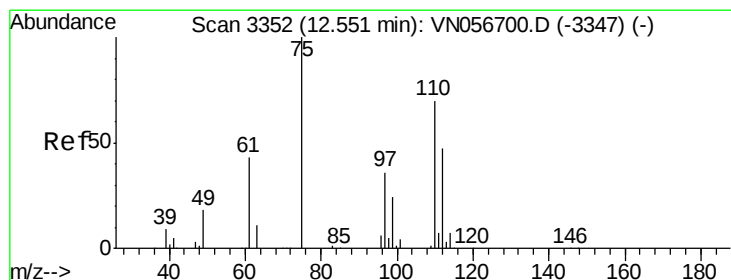
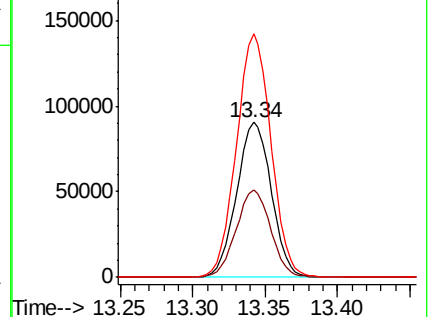
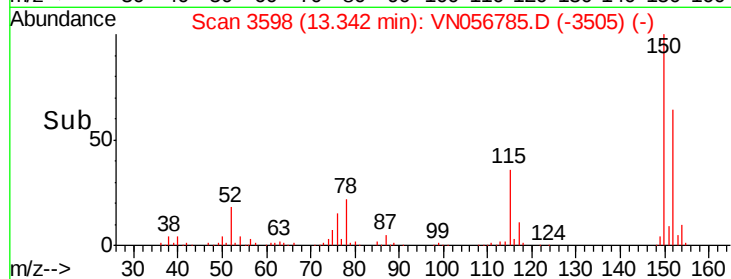
150 156.0 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 27.173 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056785.D

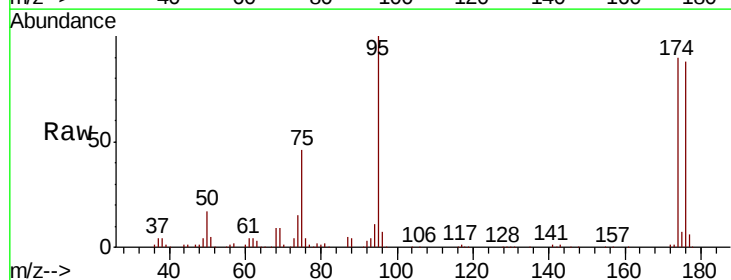
Acq: 17 Jul 2019 9:55

Tgt Ion: 75 Resp: 89751

Ion Ratio Lower Upper

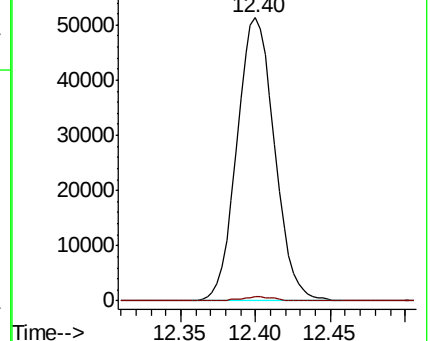
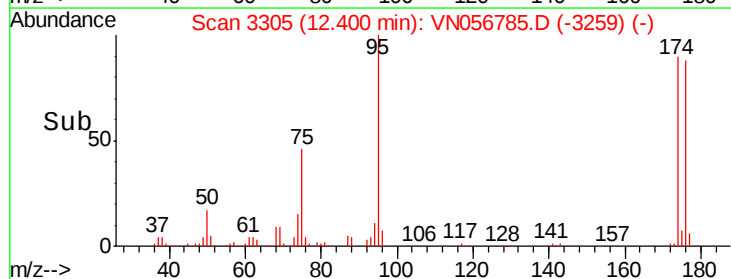
75 100

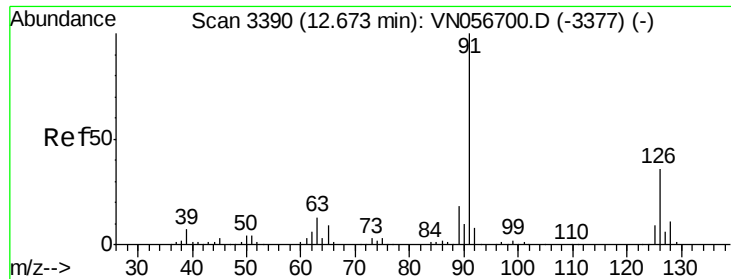
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056785.D

Acq: 17 Jul 2019 9:55

Instrument :

MSVOA_N

ClientSampleId :

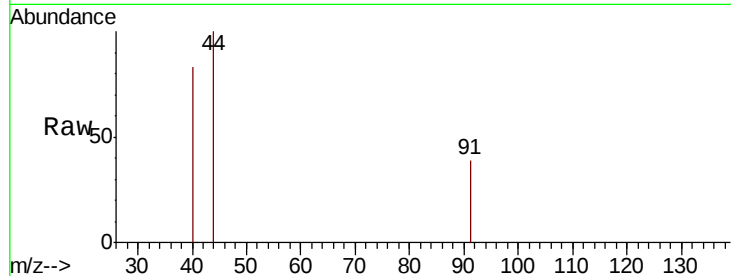
VN0717WBL01

Tot Ion: 91 Resp: 30

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.68

150

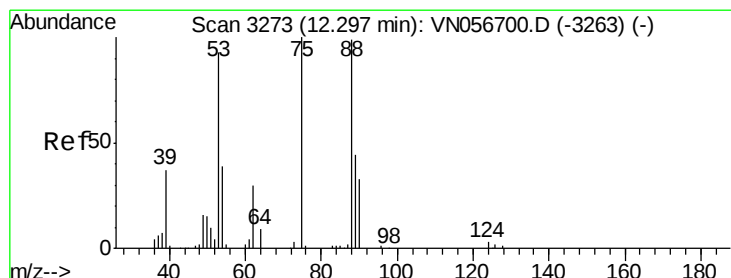
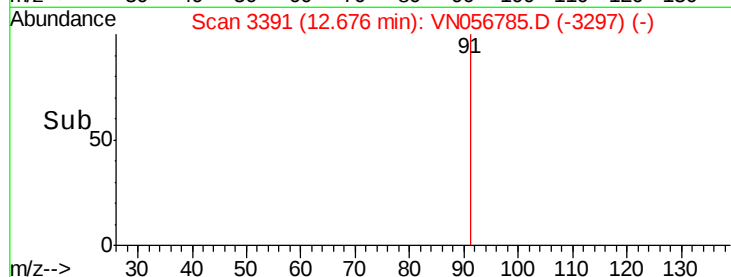
100

50

0

Time-->

12.67 12.68



#81

trans-1,4-Dichloro-2-butene

Concen: 83.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056785.D

Acq: 17 Jul 2019 9:55

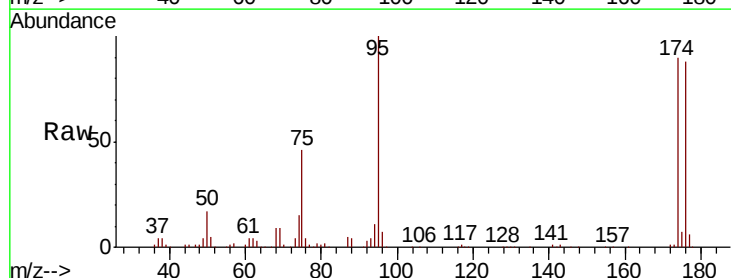
Tgt Ion: 75 Resp: 89751

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

89 0.0 36.2 54.2#



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

60000

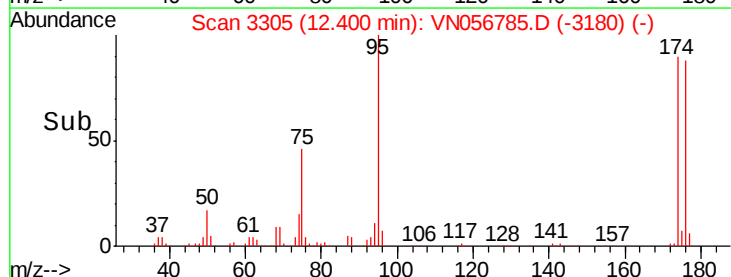
40000

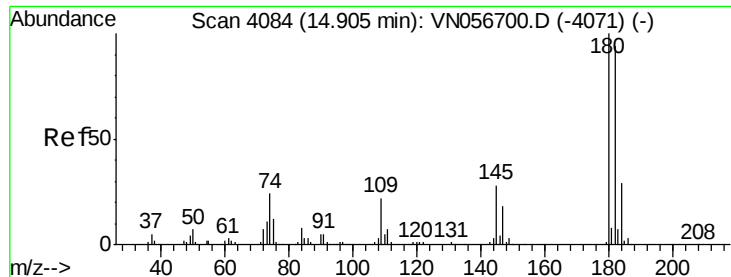
20000

0

Time-->

12.35 12.40 12.45

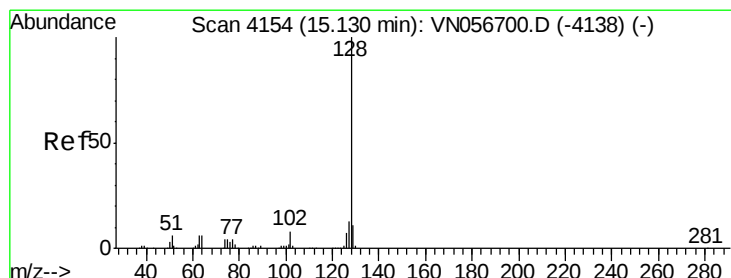
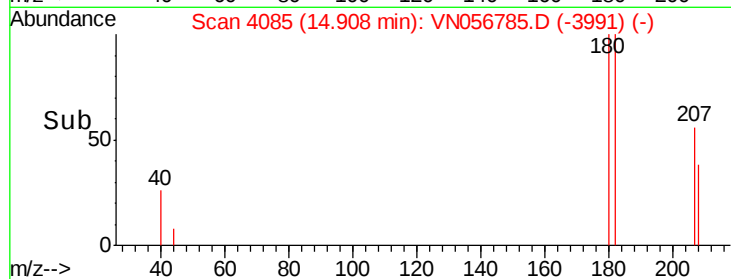
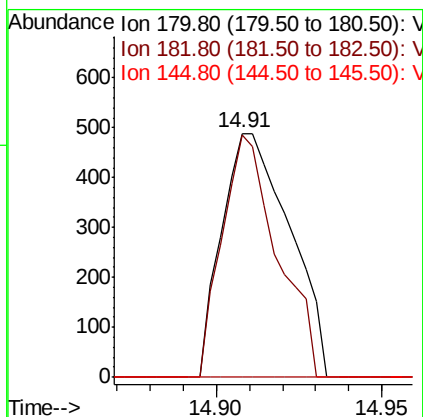
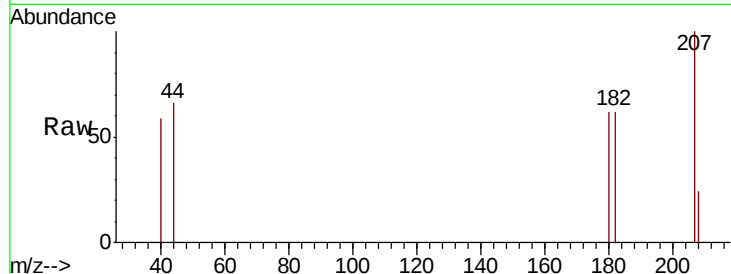




#93
 1,2,4-Trichlorobenzene
 Concen: 3.910 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

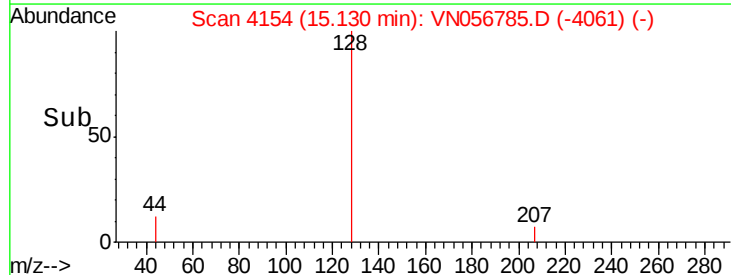
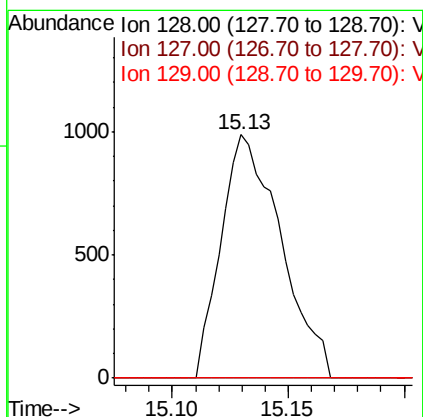
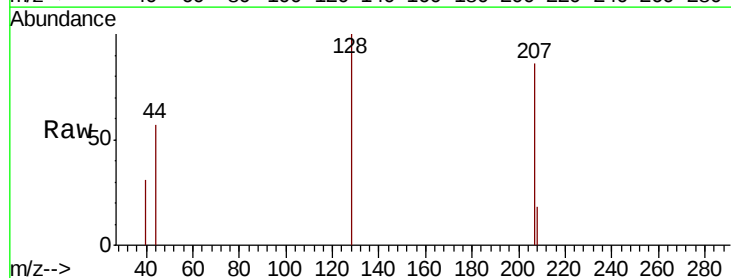
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBL01

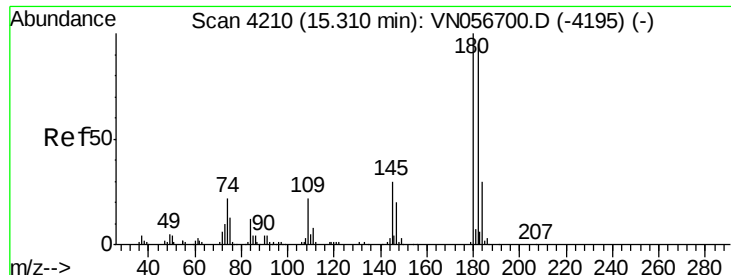
Tot Ion:180 Resp: 697
 Ion Ratio Lower Upper
 180 100
 182 80.5 47.2 141.6
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 4.725 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

Tgt Ion:128 Resp: 1770
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.690 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056785.D
 Acq: 17 Jul 2019 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.1	141.3
145	12.8	15.0	45.1

