

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058240.D
 Acq On : 20 Sep 2019 11:20
 Operator : JC/SP
 Sample : K4949-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

Quant Time: Sep 21 05:39:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74504	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	440432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	383740	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	203619	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	186158	28.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.50%
63) Toluene-d8	10.08	98	541982	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

					Qvalue
4) Vinyl Chloride	2.17	62	2105	0.367 ug/l	99
8) Diethyl Ether	3.39	74	17064	6.375 ug/l	97
12) Methyl Acetate	4.31	43	1362	0.252 ug/l #	13
15) Acetone	3.80	58	15715	25.116 ug/l	96
16) Carbon Disulfide	4.03	76	10633	1.159 ug/l	97
22) cis-1,2-Dichloroethene	6.80	96	2878	0.535 ug/l #	1
23) tert-Butyl Alcohol	4.75	59	3335358	4635.656 ug/l #	100
24) Methyl tert-Butyl Ether	5.01	73	38057	2.520 ug/l #	100
30) 2-Butanone	6.80	43	173963	55.685 ug/l #	74
31) 2,2-Dichloropropane	6.80	77	200355	27.389 ug/l #	54
34) Benzene	8.03	78	63414	3.089 ug/l #	45
35) Methacrylonitrile	7.19	41	894765	308.791 ug/l #	52
36) 1,2-Dichloroethane	8.11	62	2916	0.366 ug/l #	92
44) Isopropyl Acetate	8.11	43	14085	1.267 ug/l #	99
45) 1,4-Dioxane	9.19	88	7172	82.129 ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	44333	7.450 ug/l #	81
59) 2-Hexanone	10.72	43	284911	63.799 ug/l #	36
62) Toluene	10.15	91	69385	3.265 ug/l	100
64) Chlorobenzene	11.43	112	10420	0.791 ug/l	91
66) Ethyl Benzene	11.51	91	15445	0.666 ug/l	90
67) m/p-Xylenes	11.62	106	88869	10.040 ug/l	98
68) o-Xylene	11.95	106	50859	5.865 ug/l	99
69) Styrene	11.96	104	6385	0.432 ug/l #	1
70) Isopropylbenzene	12.25	105	20987	0.915 ug/l	95
75) 2-Chlorotoluene	12.67	91	7684	0.471 ug/l	70
76) 1,3,5-Trimethylbenzene	12.74	105	16288	0.834 ug/l	97
78) 4-Chlorotoluene	12.67	91	7684	0.462 ug/l	70
80) 1,2,4-Trimethylbenzene	13.05	105	57078	2.935 ug/l	98
82) p-Isopropyltoluene	13.29	119	9523	0.471 ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	36617	3.646 ug/l	98
86) Hexachloroethane	13.89	117	914	0.284 ug/l #	13
87) 1,2-Dichlorobenzene	13.66	146	3115	0.315 ug/l	81
88) 1,2-Dibromo-3-Chloropropan	14.27	75	266	0.211 ug/l #	42
89) 1,2,4-Trichlorobenzene	14.92	180	4543	0.751 ug/l	99
90) Hexachlorobutadiene	15.02	225	622	0.224 ug/l	89
91) Naphthalene	15.13	128	60297	3.623 ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	5710	0.990 ug/l	99

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QLast Update : Mon Sep 09 12:14:07 2019
Response via : Initial Calibration

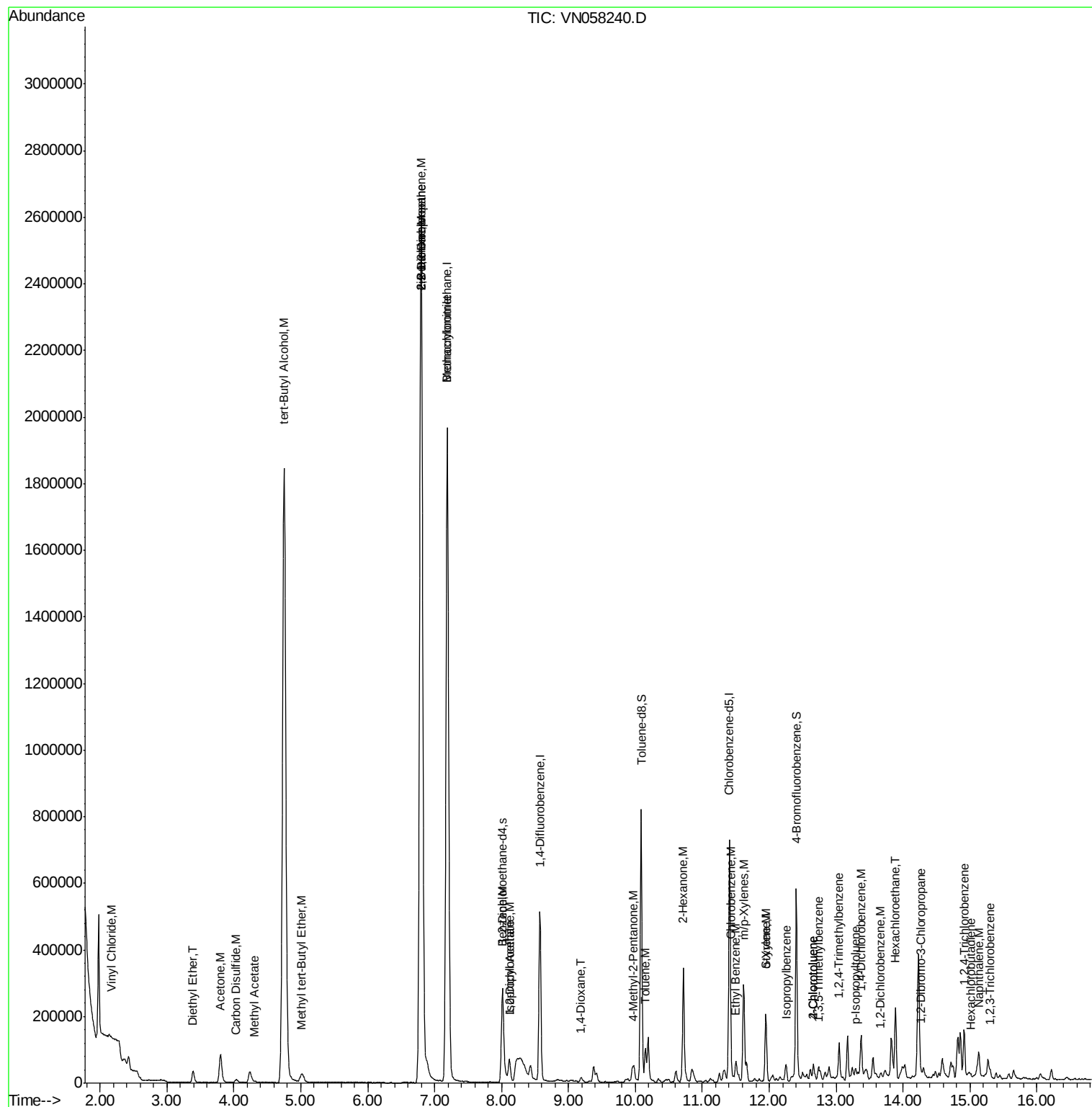
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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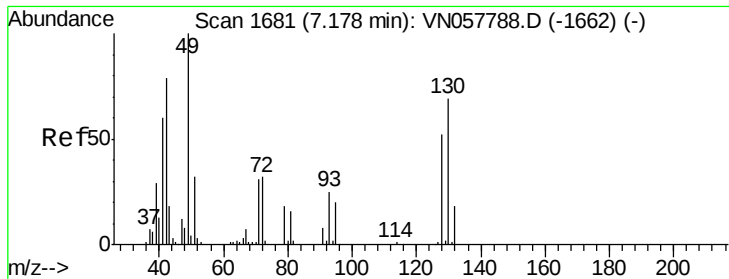
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

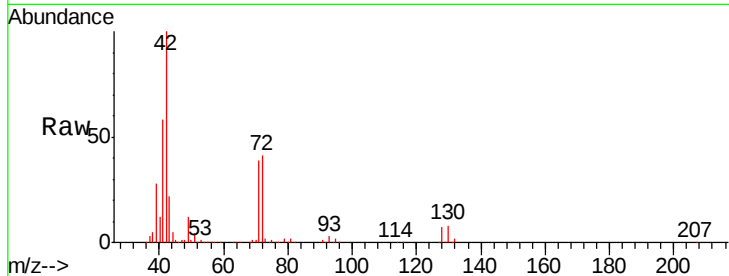
Tgt Ion:128 Resp: 74504

Ion Ratio Lower Upper

128 100

49 190.2 0.0 486.5

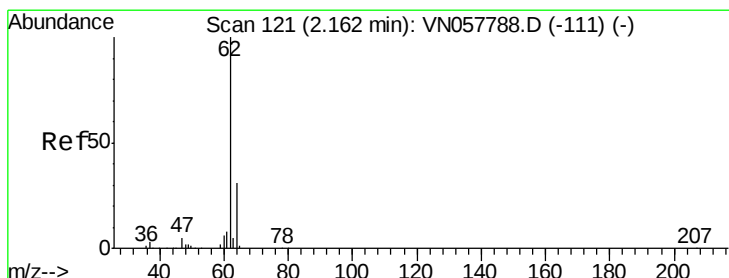
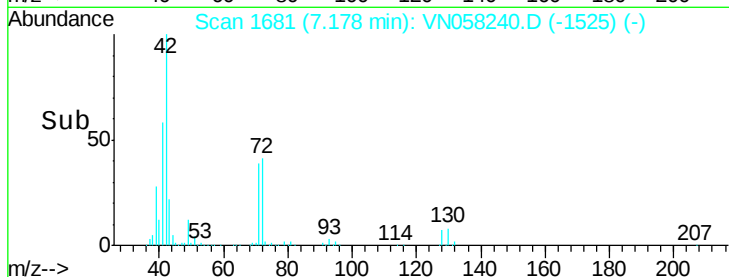
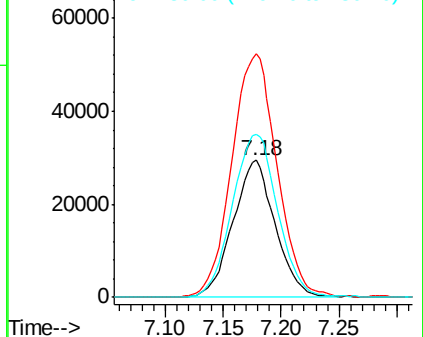
130 127.4 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#4

Vinyl Chloride

Concen: 0.367 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058240.D

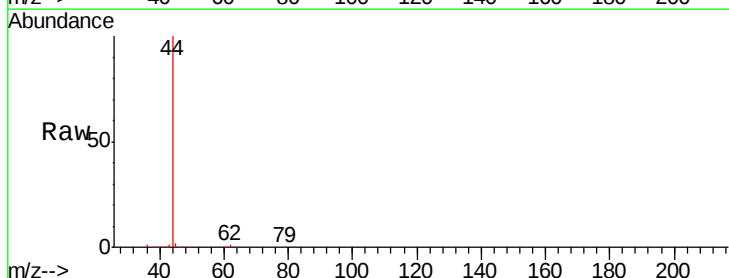
Acq: 20 Sep 2019 11:20

Tgt Ion: 62 Resp: 2105

Ion Ratio Lower Upper

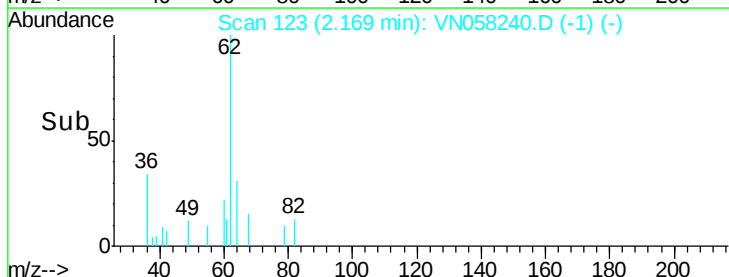
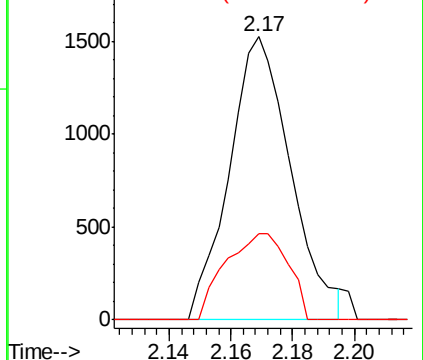
62 100

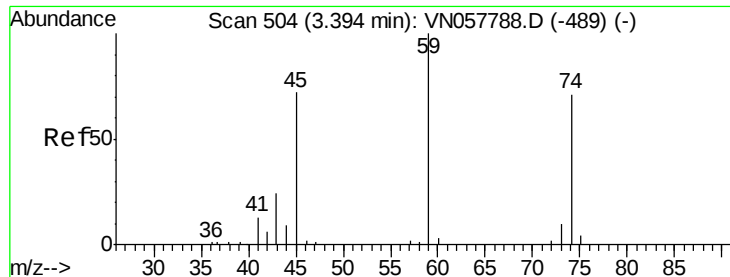
64 30.5 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#8

Diethyl Ether

Concen: 6.375 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.01 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

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ClientSampleId :

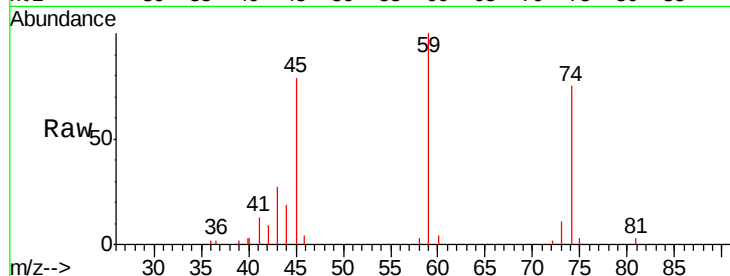
390918737.1-VOA

Tgt Ion: 74 Resp: 17064

Ion Ratio Lower Upper

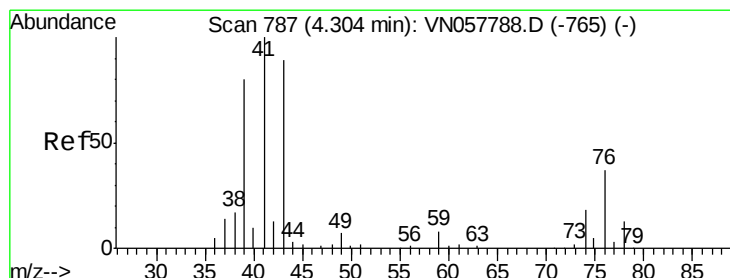
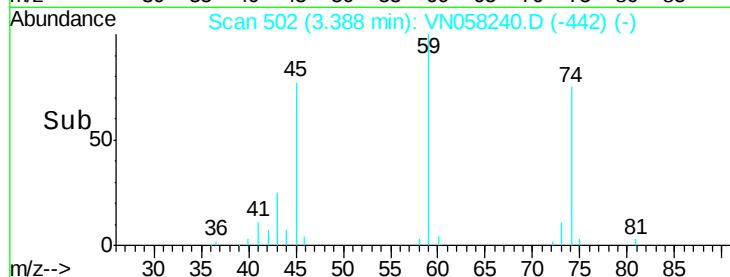
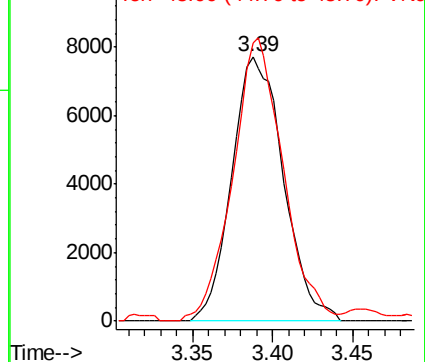
74 100

45 104.3 20.3 182.5



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#12

Methyl Acetate

Concen: 0.252 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058240.D

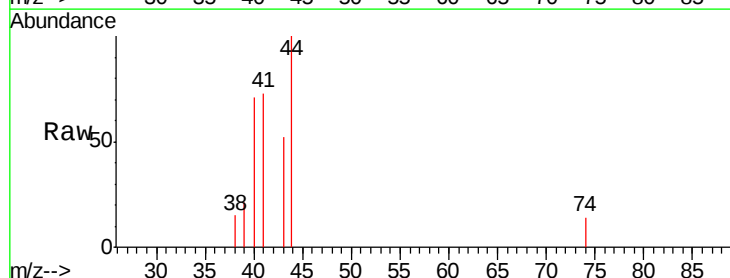
Acq: 20 Sep 2019 11:20

Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

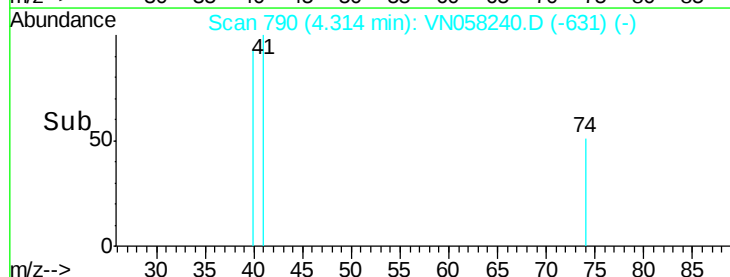
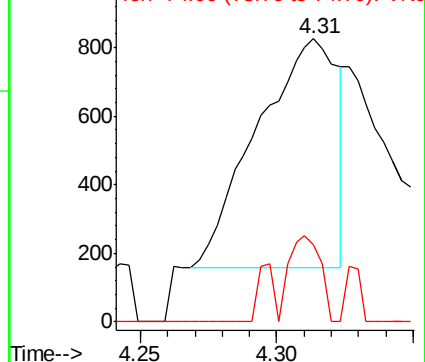
43 100

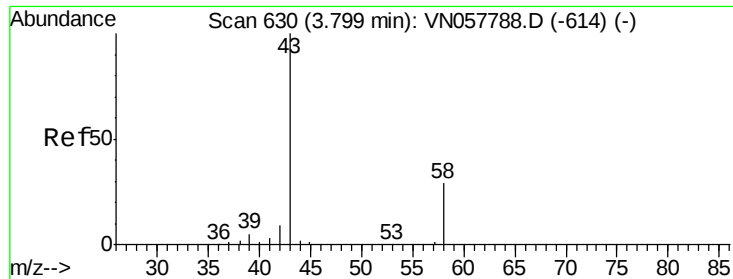
74 60.3 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 25.116 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

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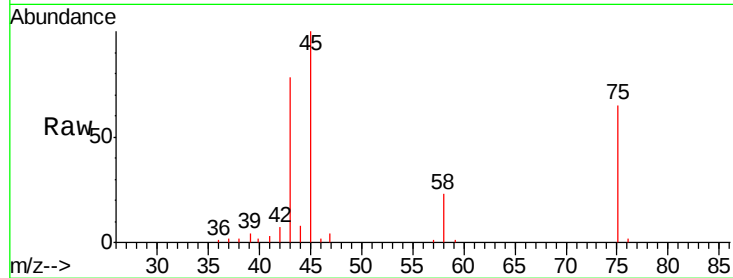
390918737.1-VOA

Tgt Ion: 58 Resp: 15715

Ion Ratio Lower Upper

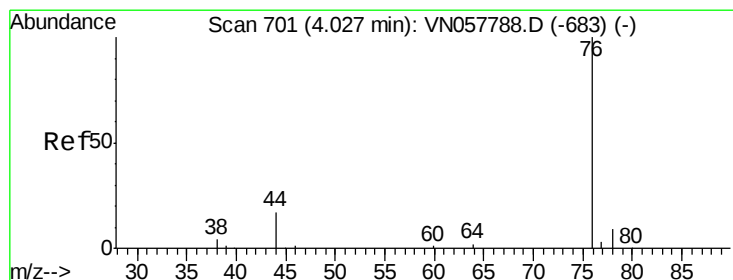
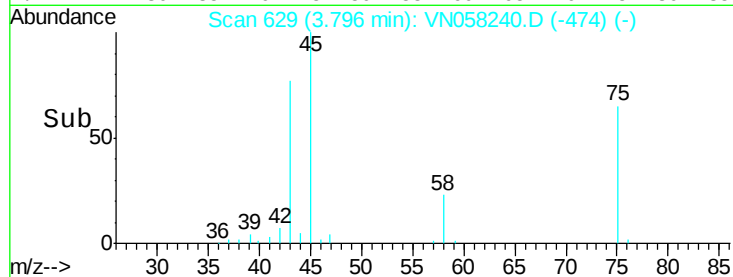
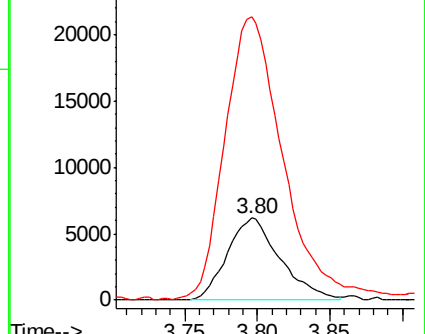
58 100

43 337.5 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 1.159 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058240.D

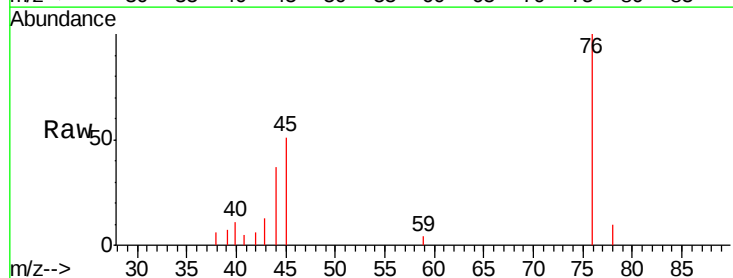
Acq: 20 Sep 2019 11:20

Tgt Ion: 76 Resp: 10633

Ion Ratio Lower Upper

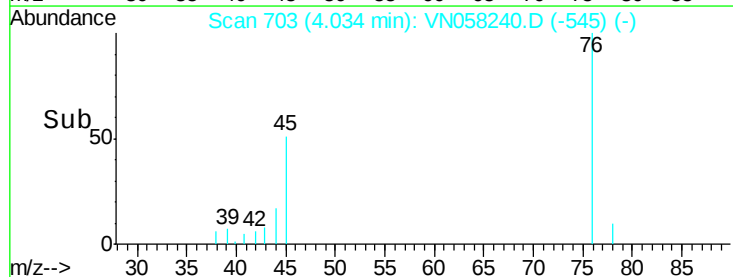
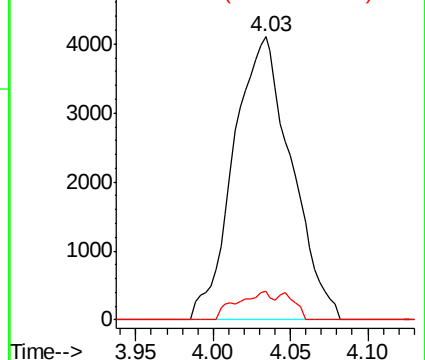
76 100

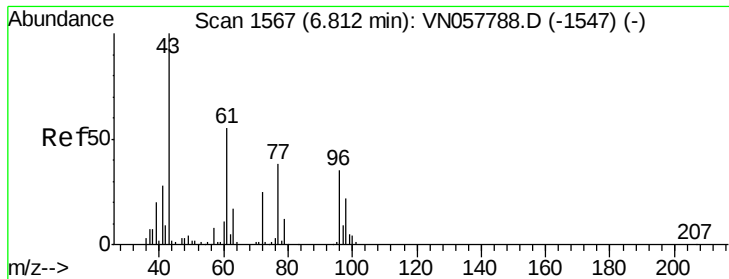
78 10.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

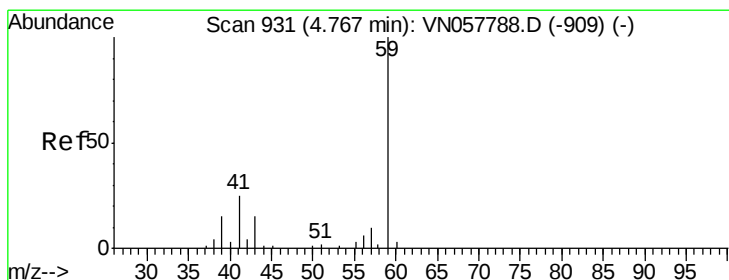
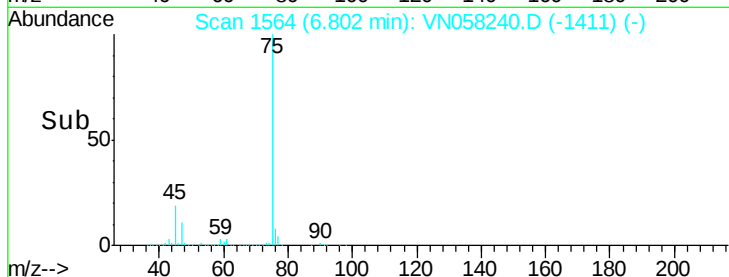
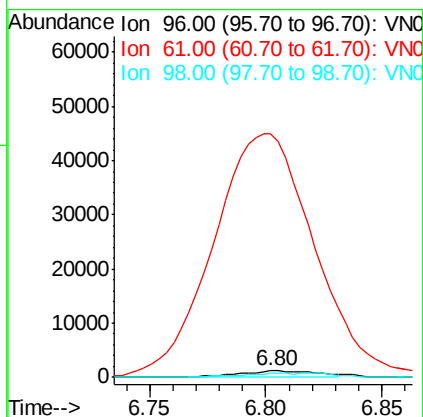
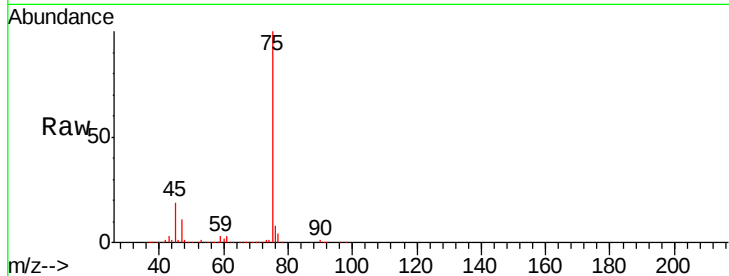




#22
 cis-1,2-Dichloroethene
 Concen: 0.535 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

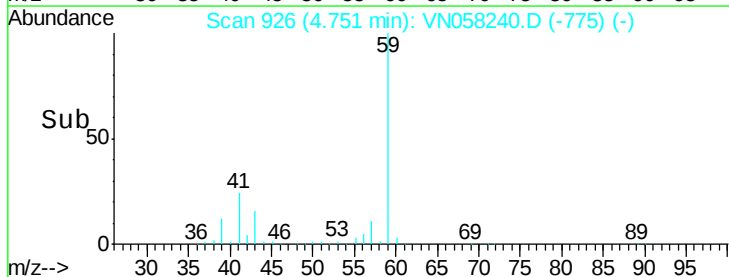
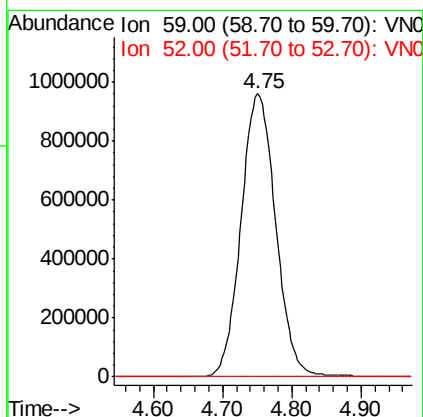
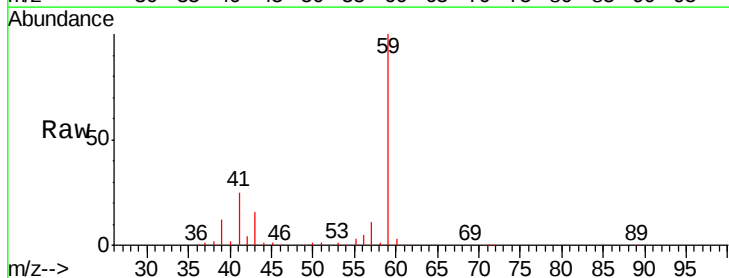
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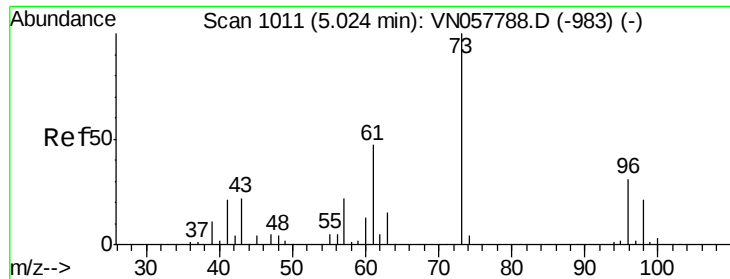
Tgt Ion: 96 Resp: 2878
 Ion Ratio Lower Upper
 96 100
 61 4768.8 127.4 191.0#
 98 39.5 51.5 77.3#



#23
 tert-Butyl Alcohol
 Concen: 4635.656 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Tgt Ion: 59 Resp: 3335358
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.0 0.0#

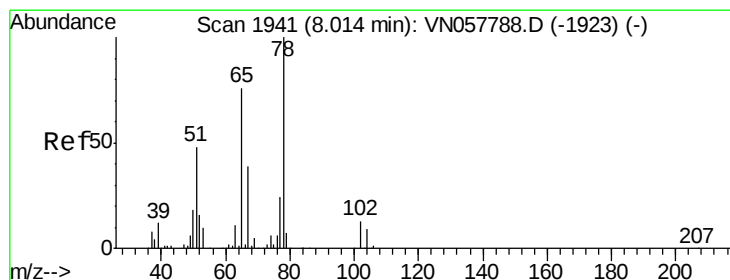
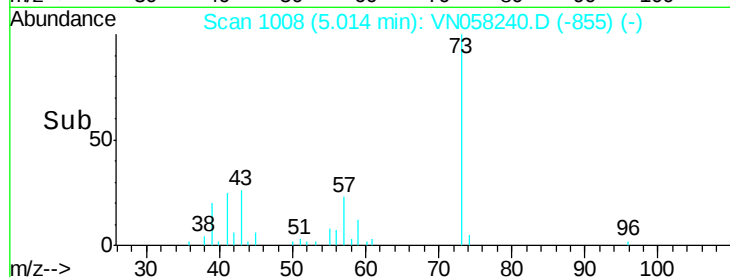
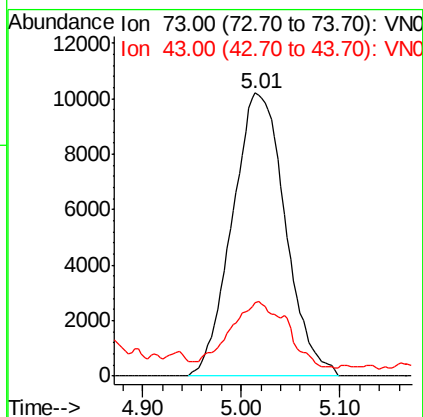
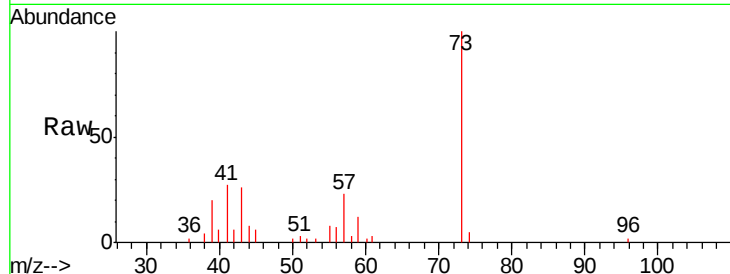




#24
Methyl tert-Butyl Ether
Concen: 2.520 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

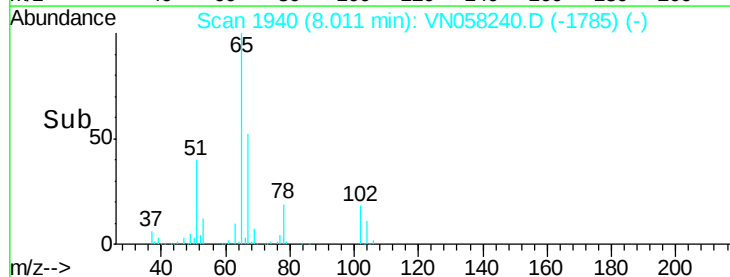
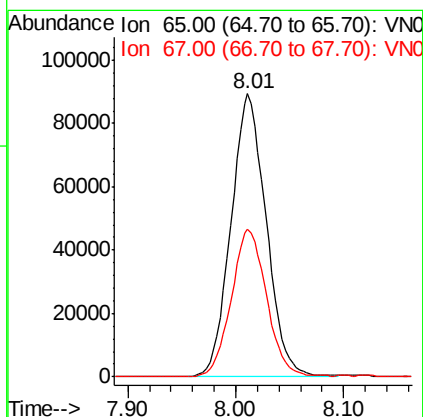
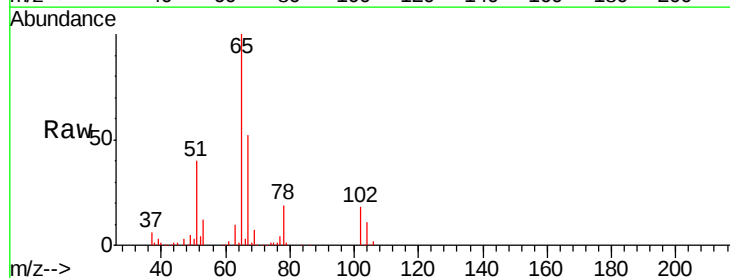
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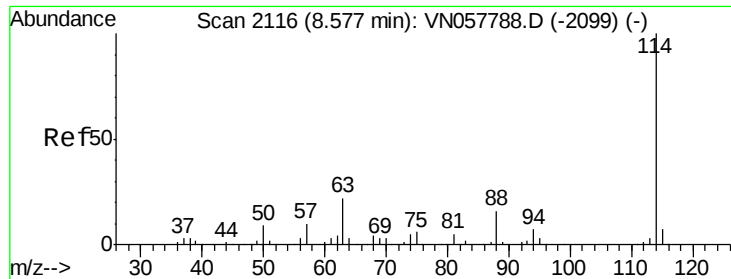
Tgt Ion: 73 Resp: 38057
Ion Ratio Lower Upper
73 100
43 17.2 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 30.897 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion: 65 Resp: 203619
Ion Ratio Lower Upper
65 100
67 52.1 40.9 61.3

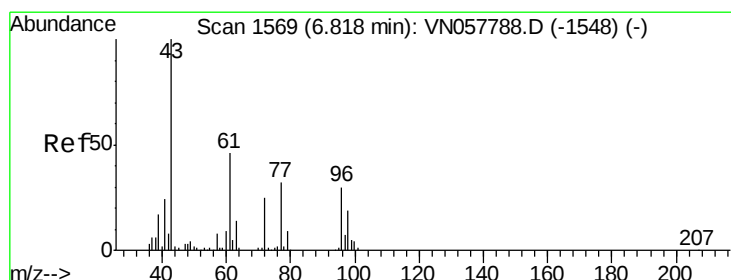
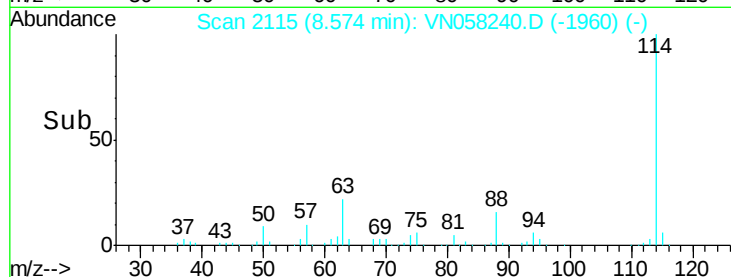
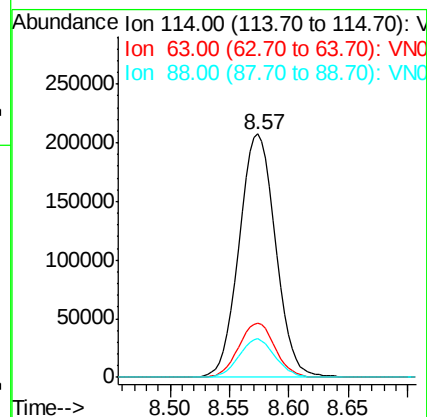
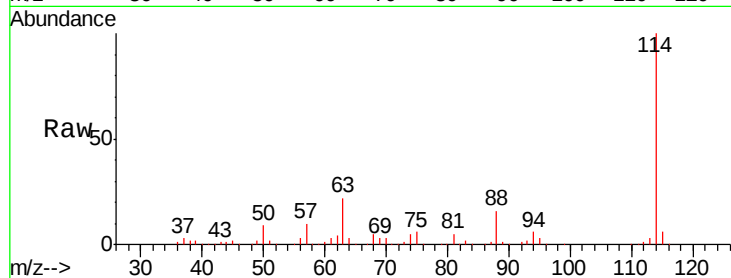




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

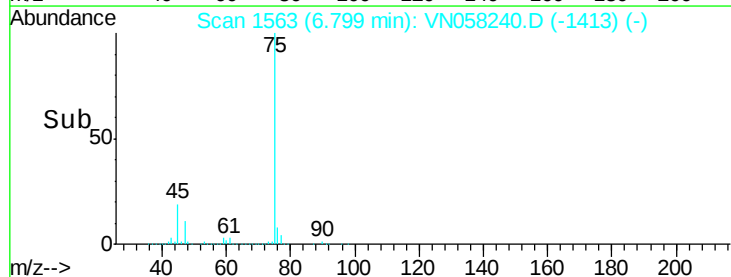
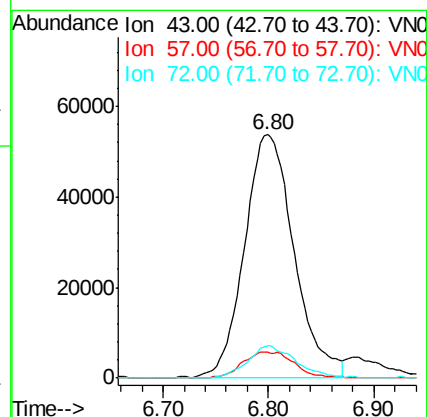
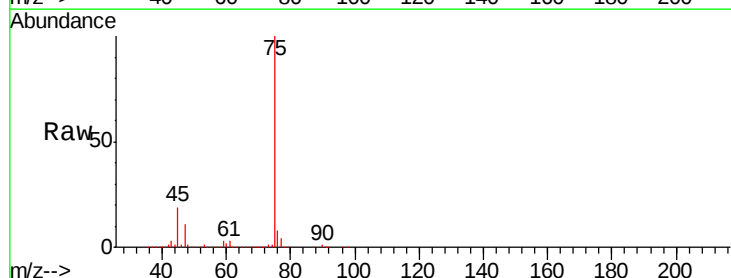
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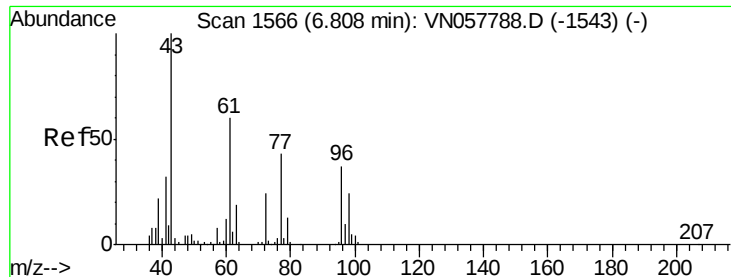
Tgt Ion: 114 Resp: 440432
 Ion Ratio Lower Upper
 114 100
 63 22.3 18.0 27.0
 88 15.6 12.6 19.0



#30
 2-Butanone
 Concen: 55.685 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Tgt Ion: 43 Resp: 173963
 Ion Ratio Lower Upper
 43 100
 57 6.2 6.4 9.6#
 72 9.2 20.3 30.5#

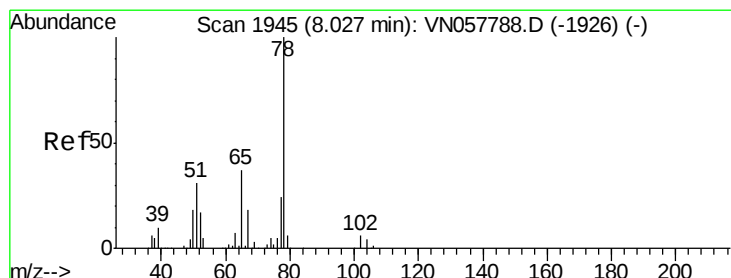
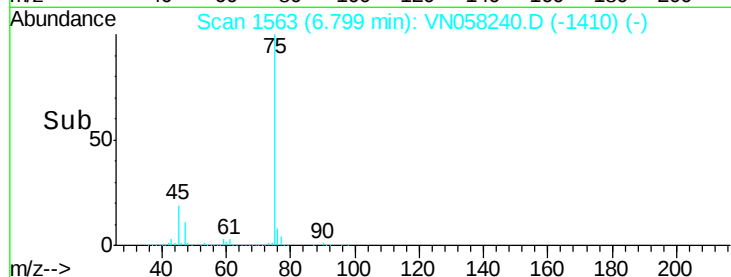
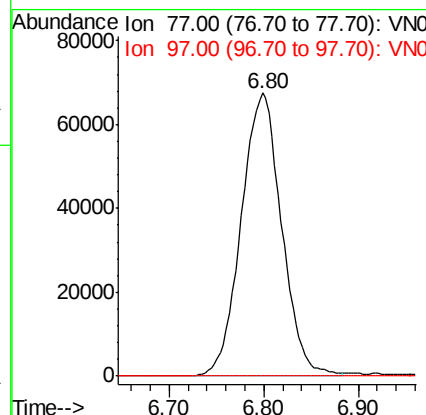
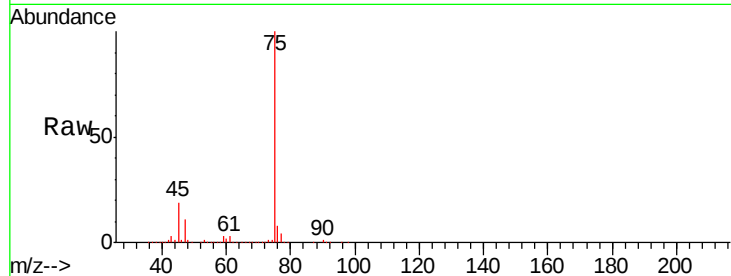




#31
 2,2-Dichloropropane
 Concen: 27.389 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

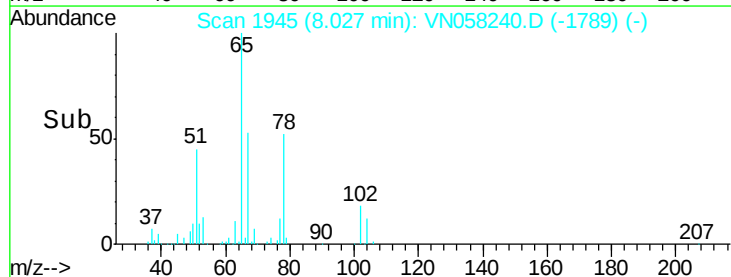
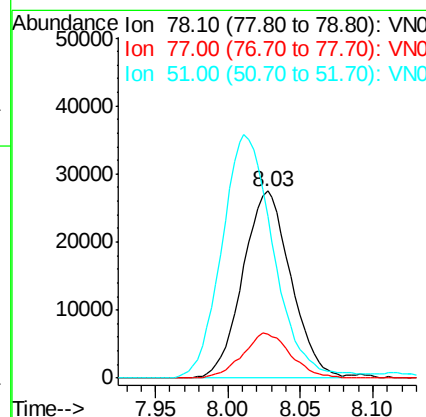
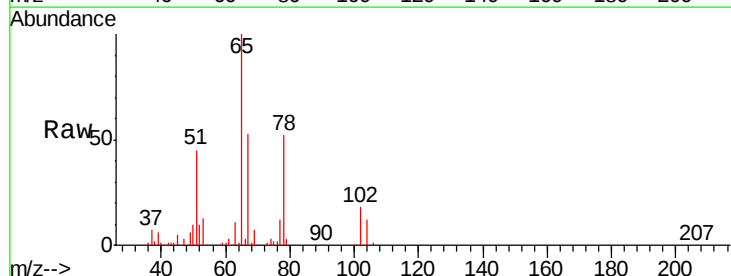
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

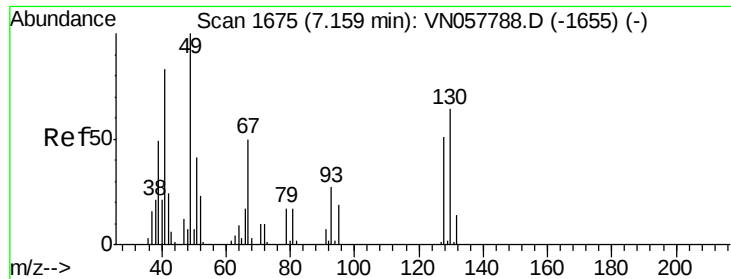
Tgt Ion: 77 Resp: 200355
 Ion Ratio Lower Upper
 77 100
 97 0.0 17.7 26.5#



#34
 Benzene
 Concen: 3.089 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Tgt Ion: 78 Resp: 63414
 Ion Ratio Lower Upper
 78 100
 77 23.3 19.2 28.8
 51 83.7 24.9 37.3#

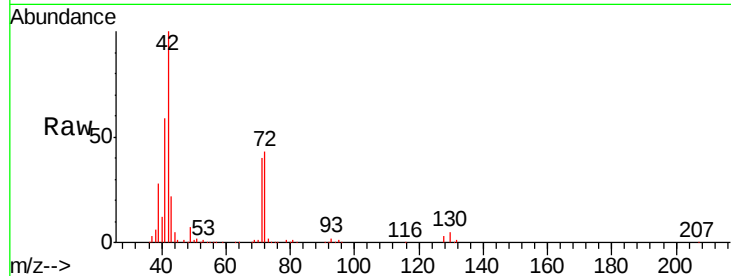




#35
Methacrylonitrile
Concen: 308.791 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.4	29.8	89.5
67	0.0	30.0	90.1#
52	0.2	13.9	41.6#



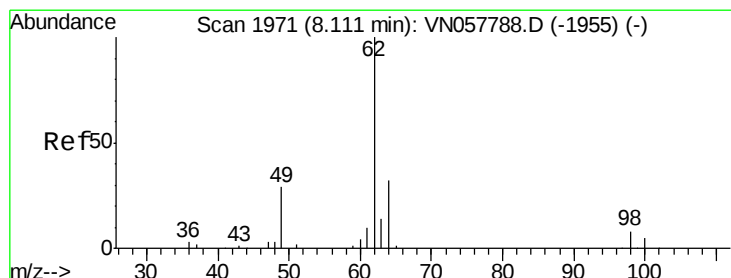
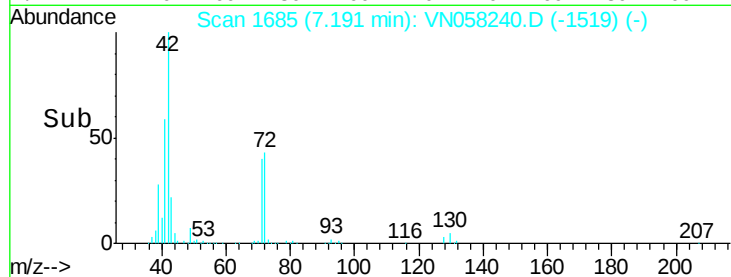
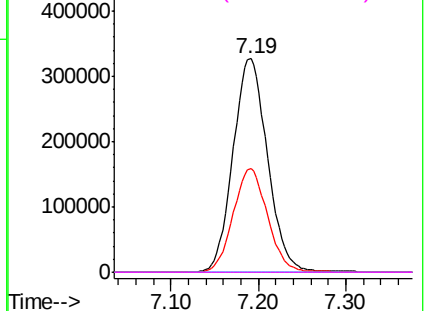
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

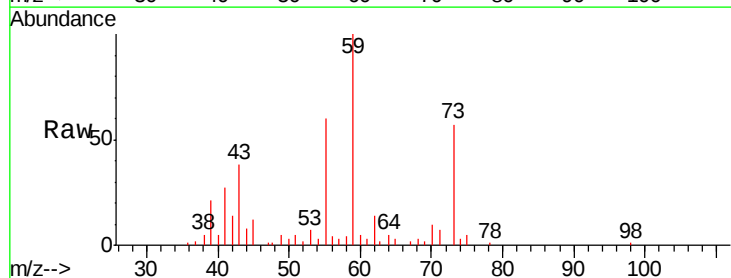
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 0.366 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

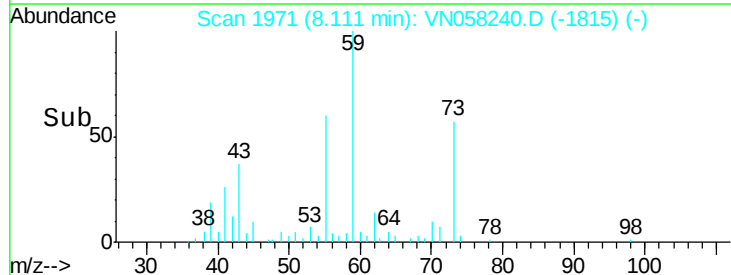
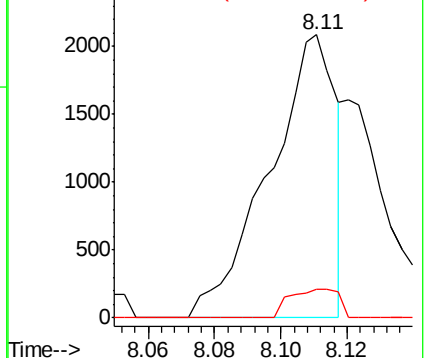
Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	6.6	9.8#

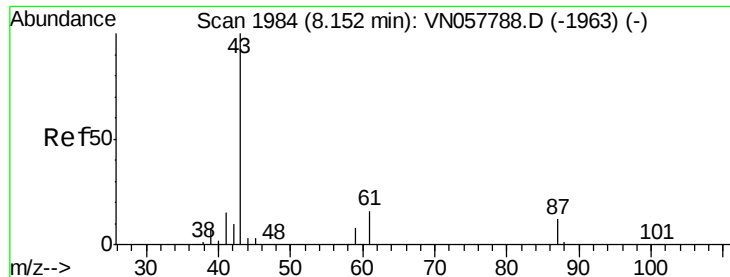


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Isopropyl Acetate

Concen: 1.267 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.04 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

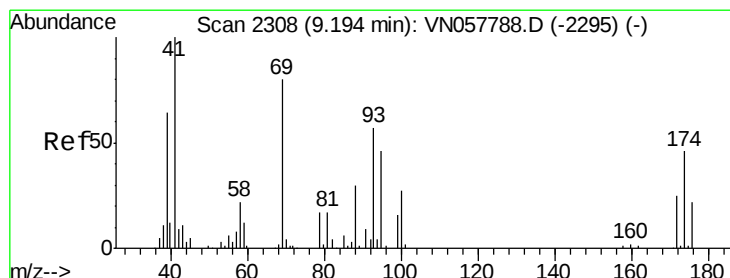
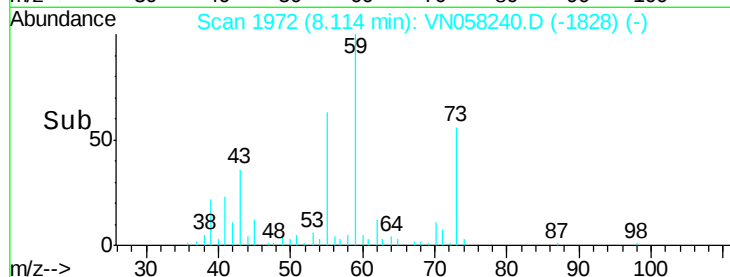
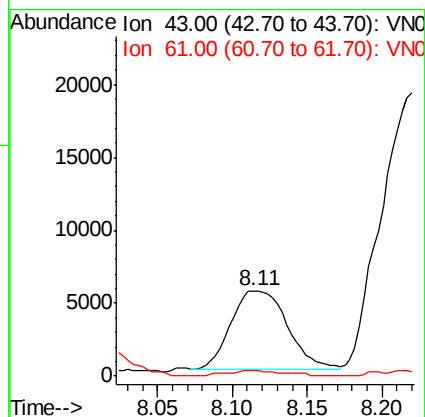
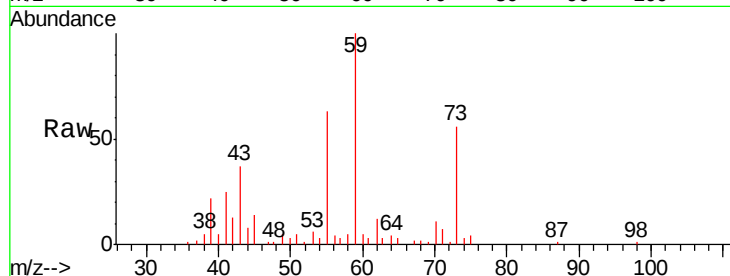
390918737.1-VOA

Tgt Ion: 43 Resp: 14085

Ion Ratio Lower Upper

43 100

61 3.4 0.1 0.1#



#45

1,4-Dioxane

Concen: 82.129 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

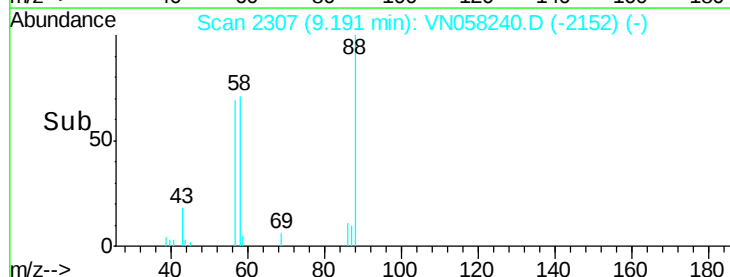
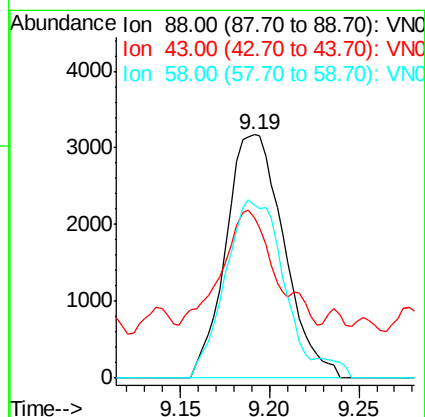
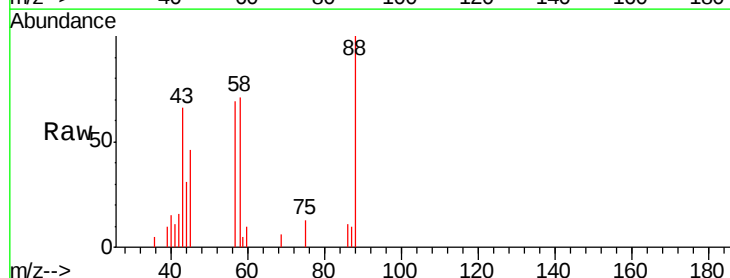
Tgt Ion: 88 Resp: 7172

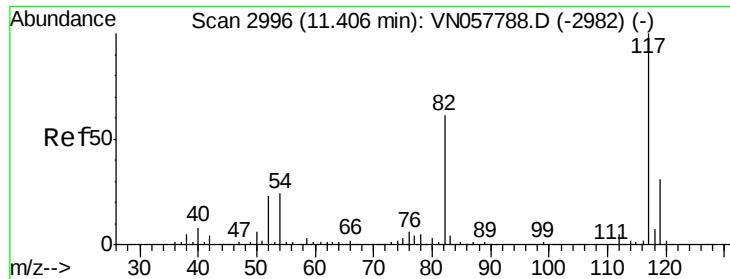
Ion Ratio Lower Upper

88 100

43 38.6 28.2 42.4

58 72.2 58.5 87.7

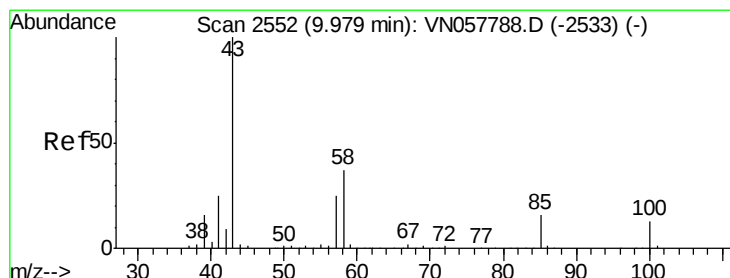
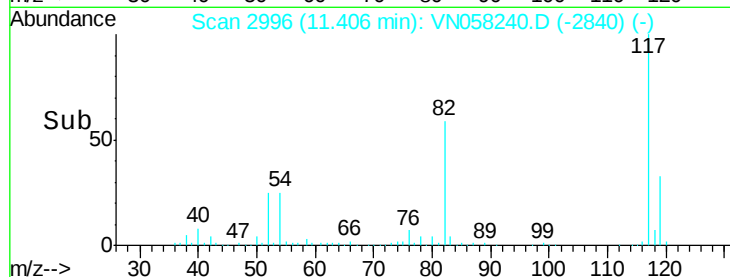
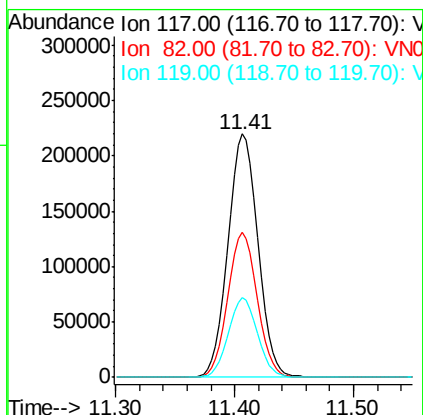
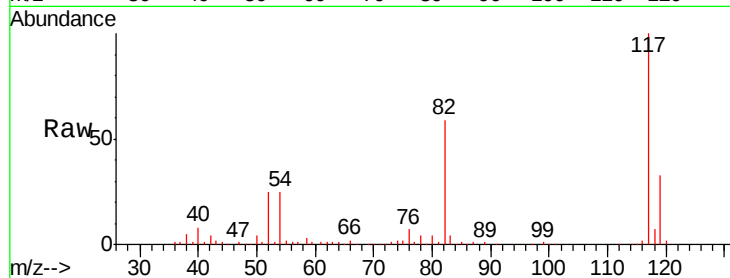




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

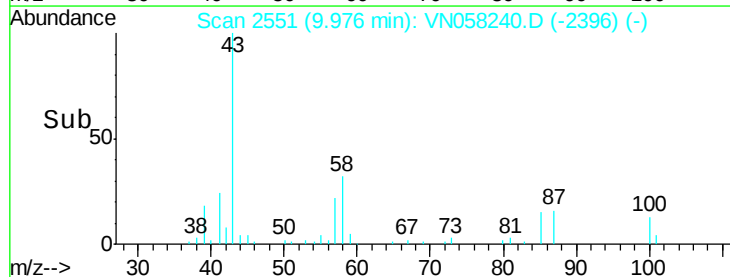
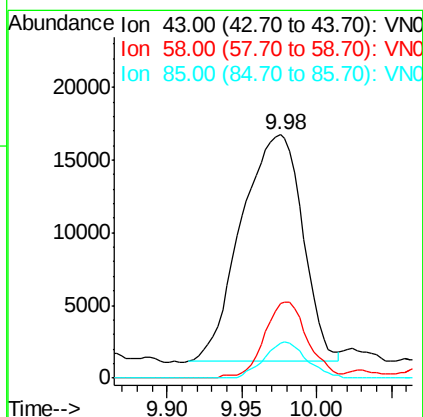
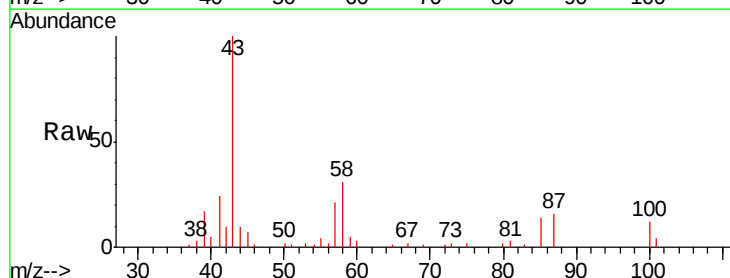
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

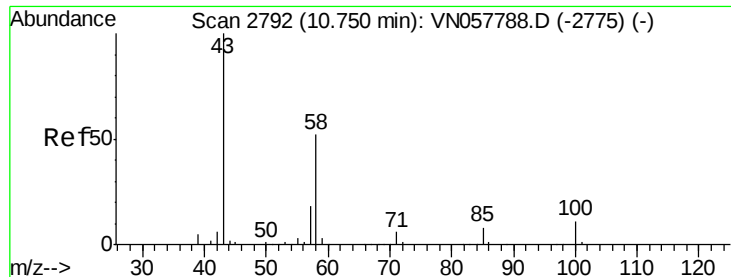
Tgt Ion:117 Resp: 383740
Ion Ratio Lower Upper
117 100
82 58.5 47.6 71.4
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 7.450 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion: 43 Resp: 44333
Ion Ratio Lower Upper
43 100
58 23.7 29.4 44.0#
85 11.0 12.9 19.3#

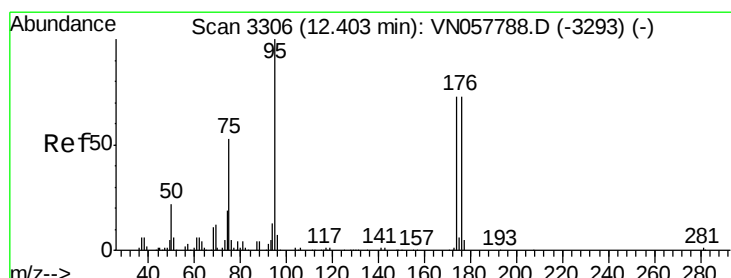
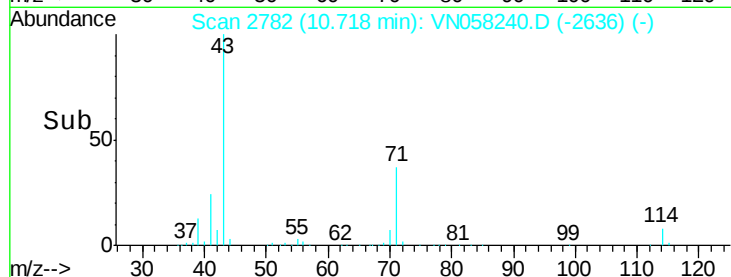
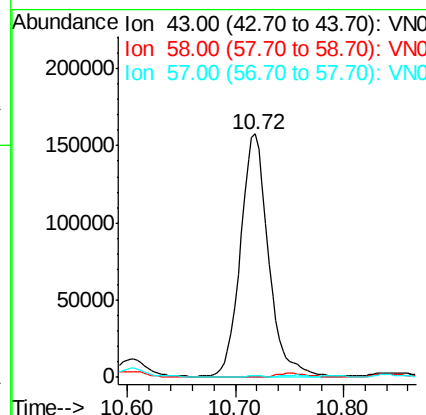
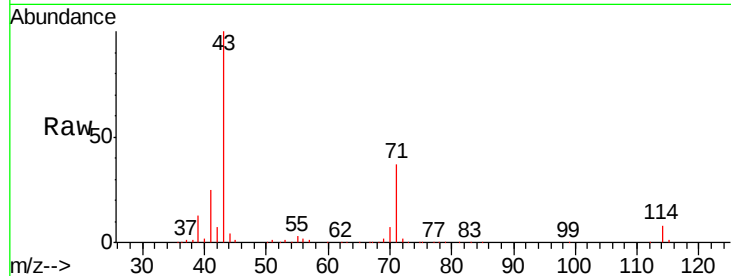




#59
2-Hexanone
Concen: 63.799 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

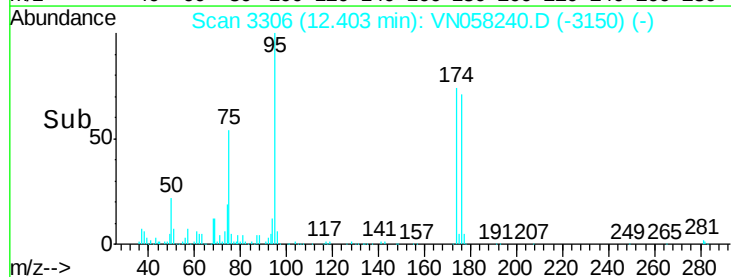
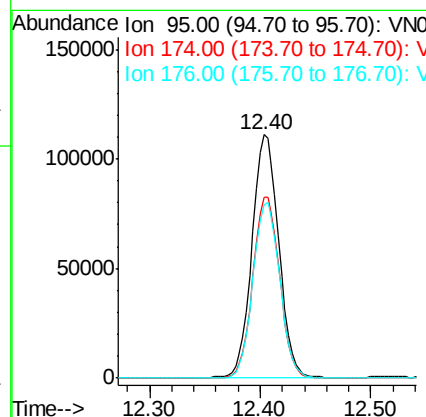
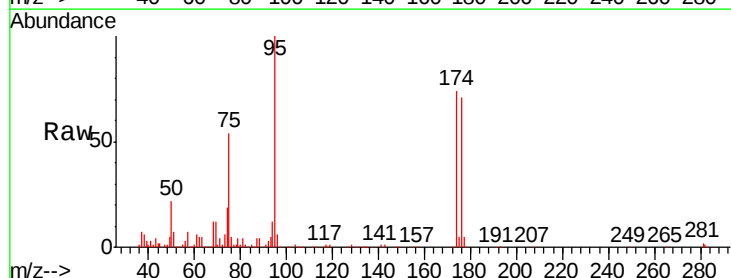
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

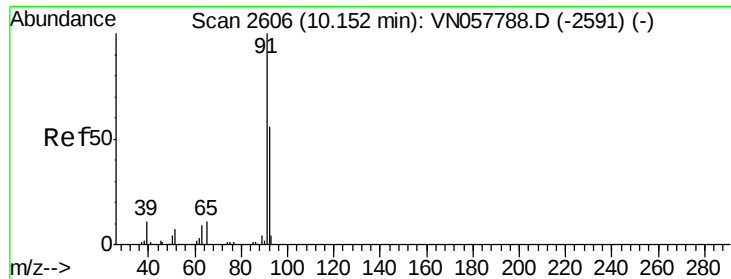
Tgt Ion: 43 Resp: 284911
Ion Ratio Lower Upper
43 100
58 0.0 40.6 61.0#
57 0.4 14.5 21.7#



#60
4-Bromofluorobenzene
Concen: 28.350 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion: 95 Resp: 186158
Ion Ratio Lower Upper
95 100
174 74.5 59.4 89.0
176 72.4 57.4 86.0





#62

Toluene

Concen: 3.265 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

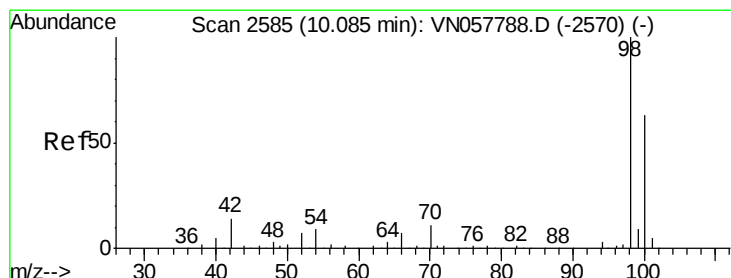
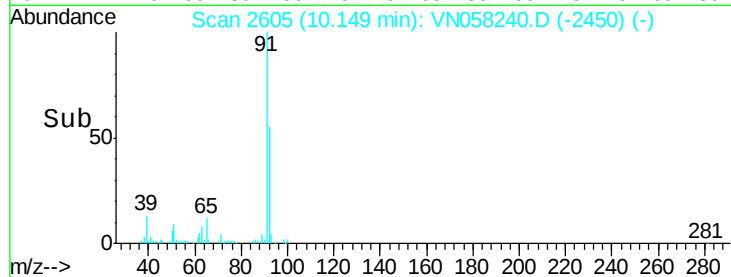
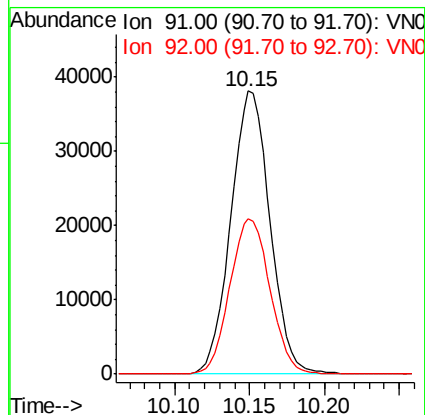
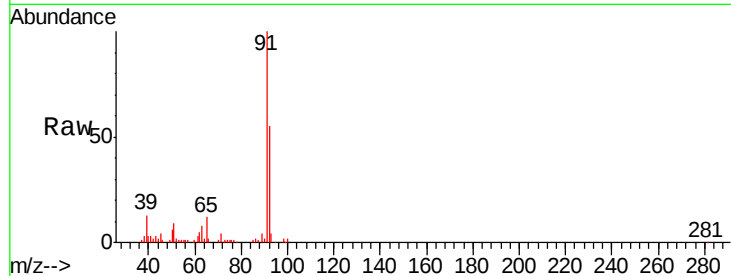
390918737.1-VOA

Tgt Ion: 91 Resp: 69385

Ion Ratio Lower Upper

91 100

92 56.2 44.9 67.3



#63

Toluene-d8

Concen: 29.426 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058240.D

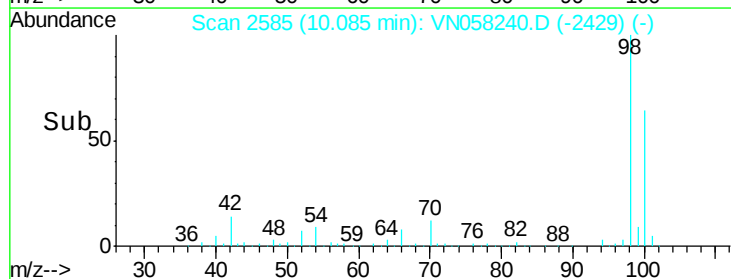
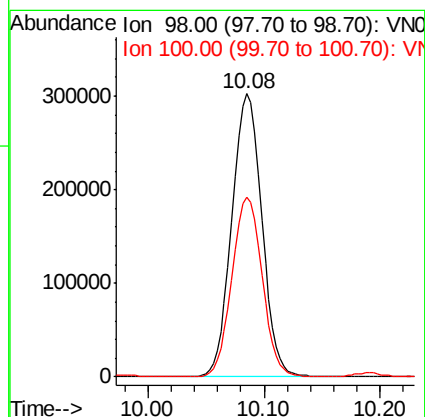
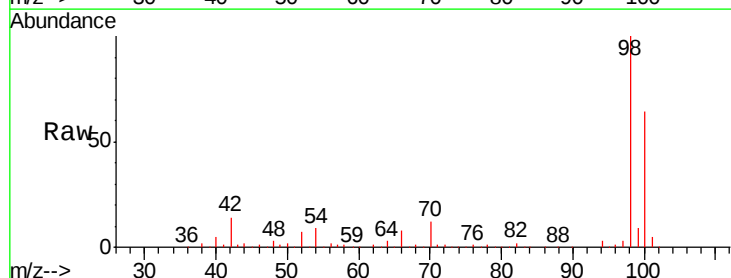
Acq: 20 Sep 2019 11:20

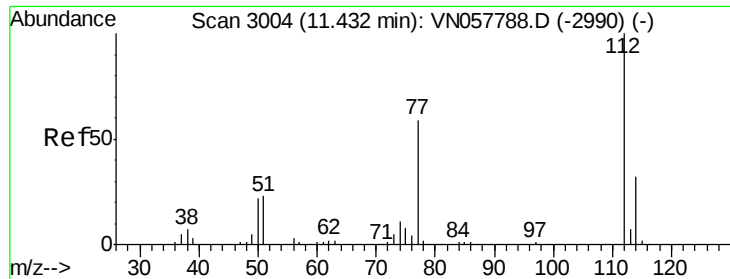
Tgt Ion: 98 Resp: 541982

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

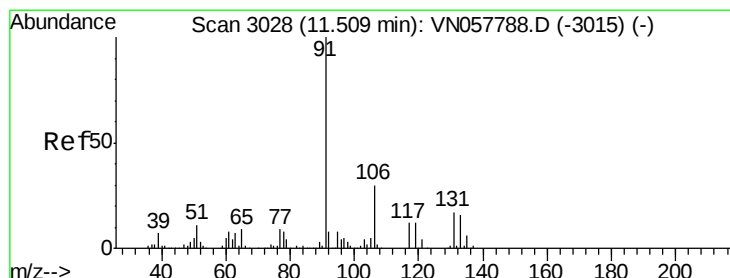
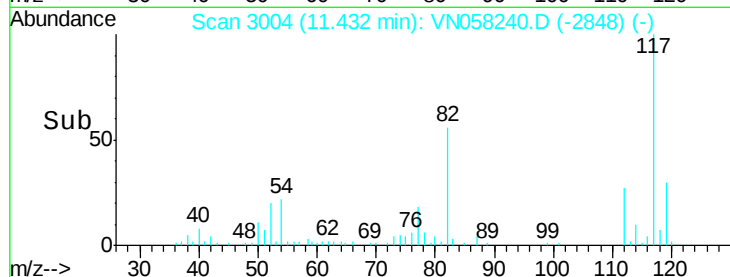
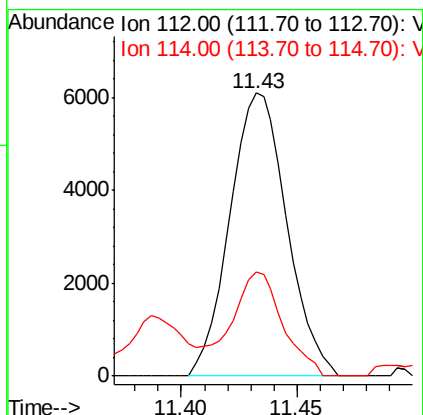
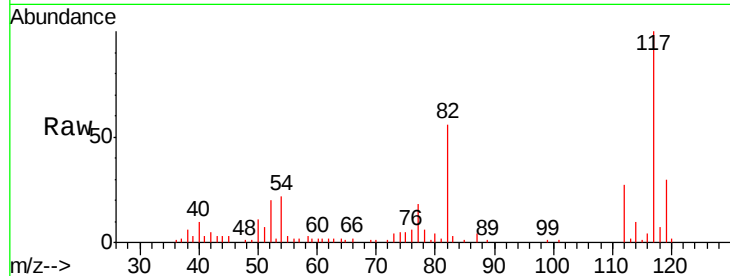




#64
Chlorobenzene
Concen: 0.791 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

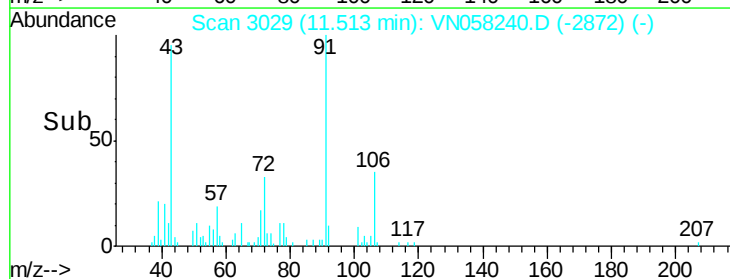
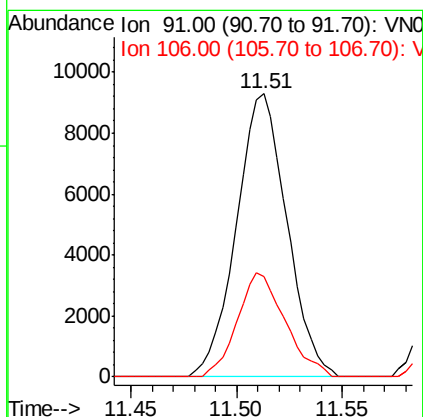
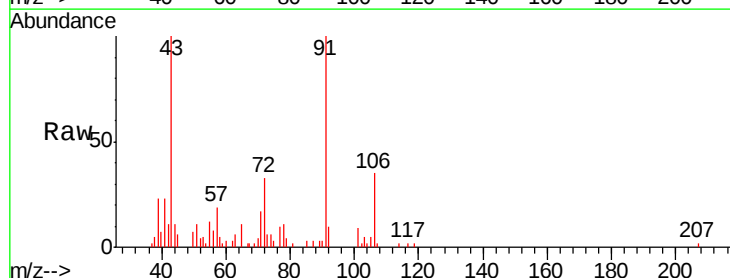
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

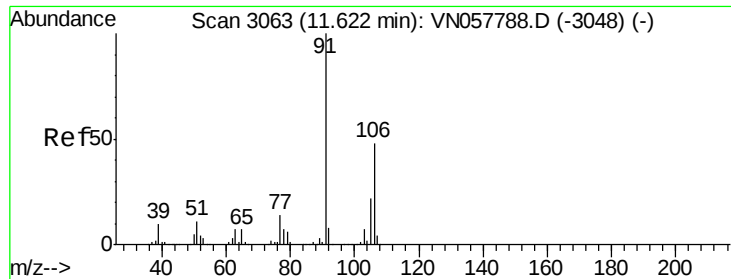
Tgt Ion: 112 Resp: 10420
Ion Ratio Lower Upper
112 100
114 36.8 25.4 38.0



#66
Ethyl Benzene
Concen: 0.666 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion: 91 Resp: 15445
Ion Ratio Lower Upper
91 100
106 35.4 24.0 36.0





#67

m/p-Xylenes

Concen: 10.040 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

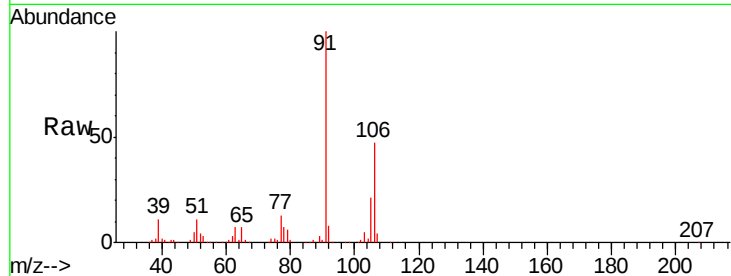
390918737.1-VOA

Tgt Ion:106 Resp: 88869

Ion Ratio Lower Upper

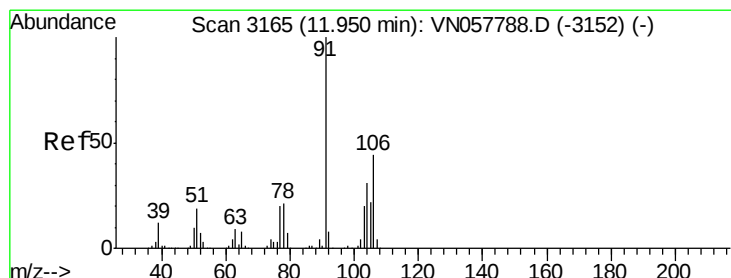
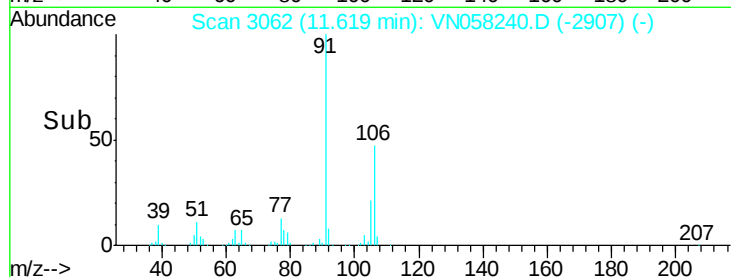
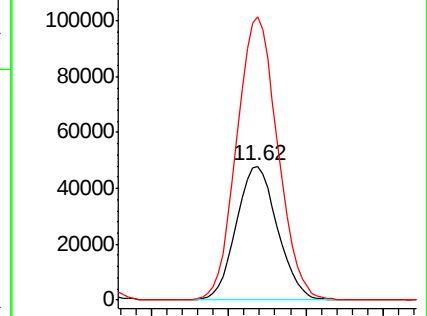
106 100

91 210.3 166.1 249.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 5.865 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058240.D

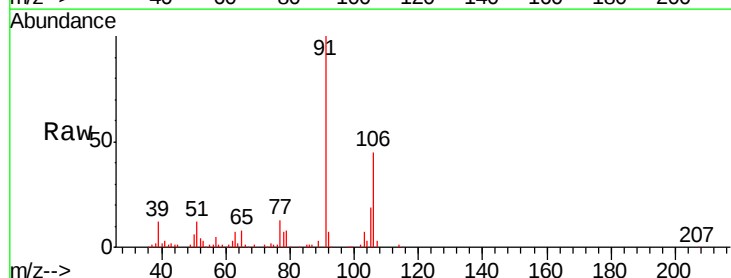
Acq: 20 Sep 2019 11:20

Tgt Ion:106 Resp: 50859

Ion Ratio Lower Upper

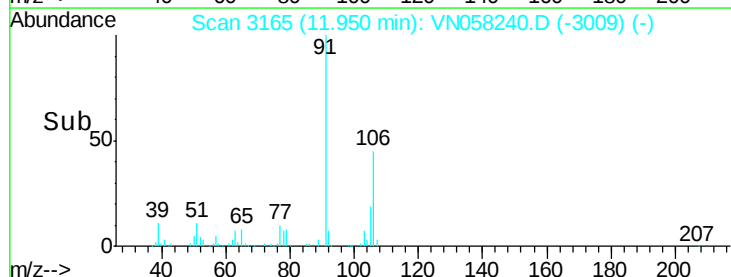
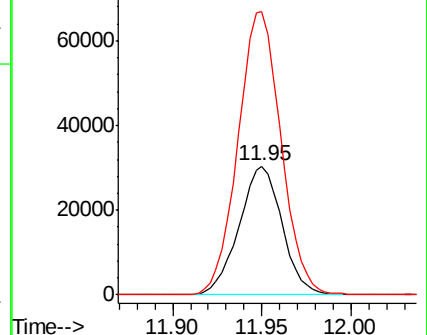
106 100

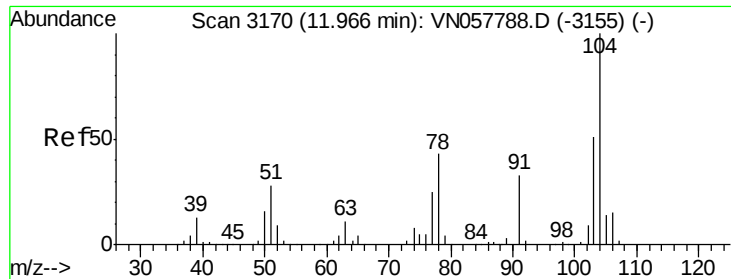
91 220.8 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

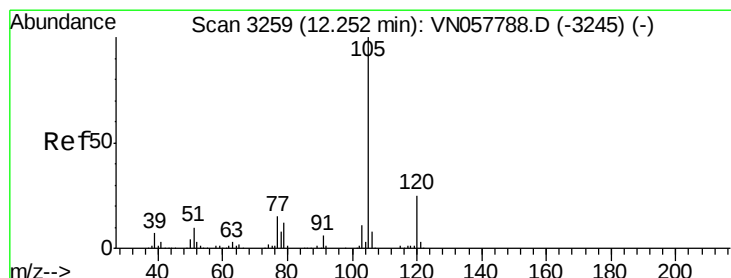
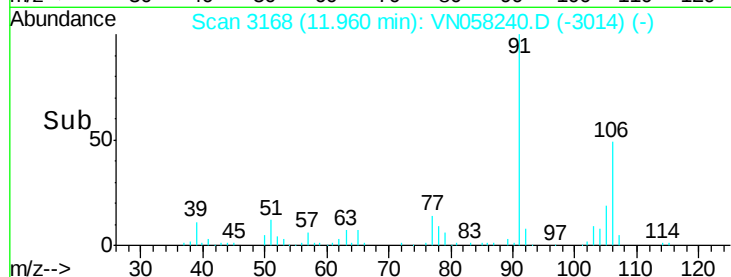
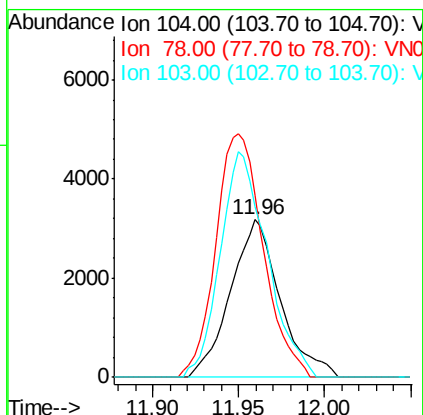
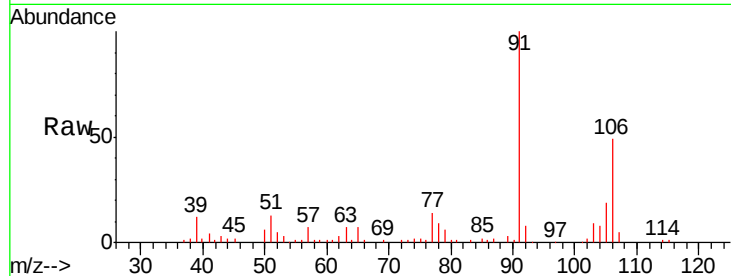




#69
Styrene
Concen: 0.432 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

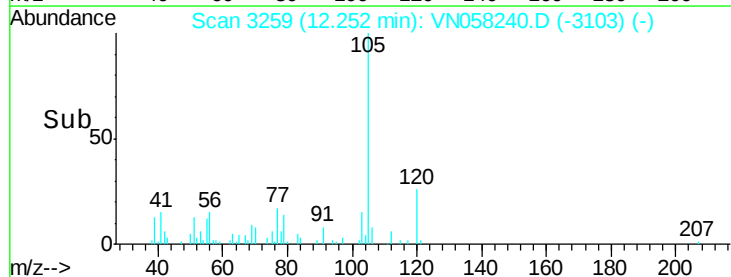
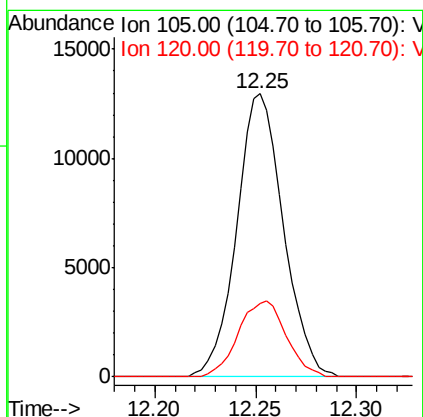
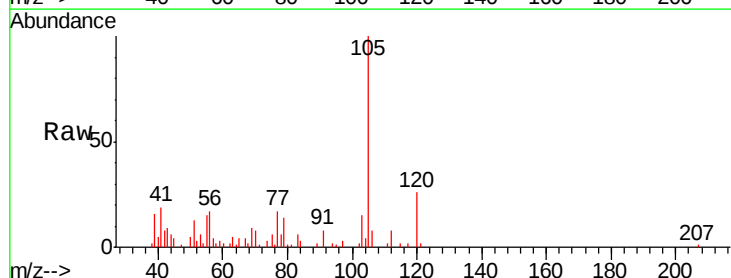
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

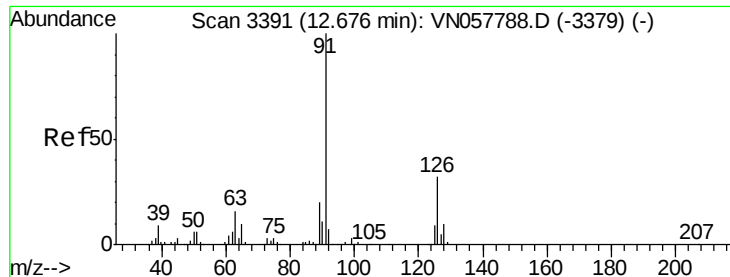
Tgt Ion:104 Resp: 6385
Ion Ratio Lower Upper
104 100
78 147.7 41.5 62.3#
103 135.4 44.8 67.2#



#70
Isopropylbenzene
Concen: 0.915 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion:105 Resp: 20987
Ion Ratio Lower Upper
105 100
120 27.6 17.6 32.6





#75

2-Chlorotoluene

Concen: 0.471 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

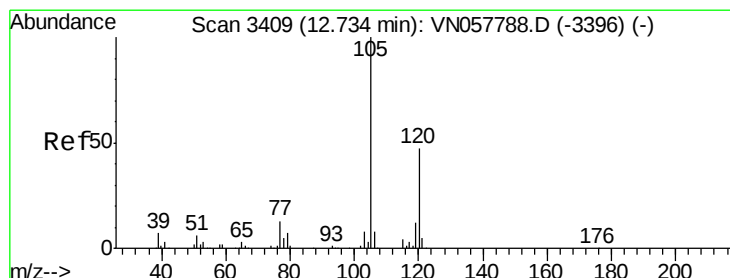
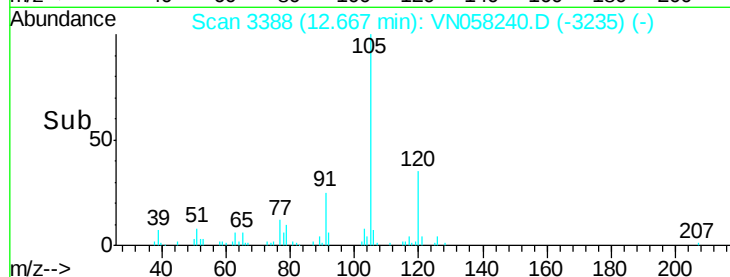
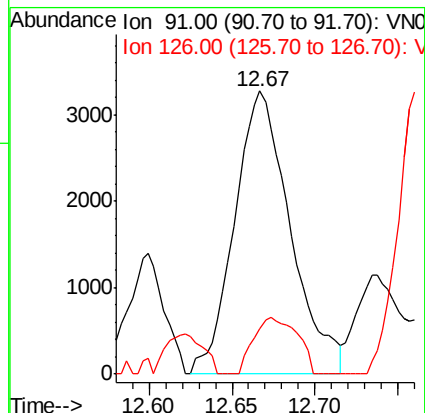
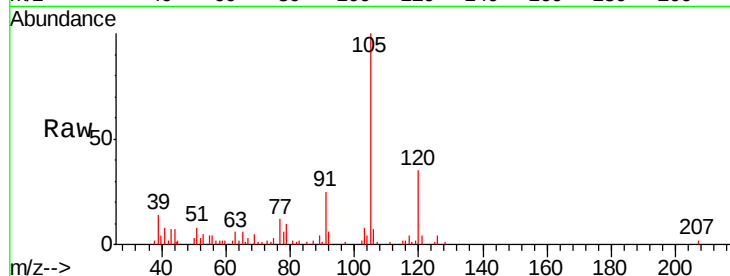
390918737.1-VOA

Tgt Ion: 91 Resp: 7684

Ion Ratio Lower Upper

91 100

126 15.7 0.0 64.8



#76

1,3,5-Trimethylbenzene

Concen: 0.834 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058240.D

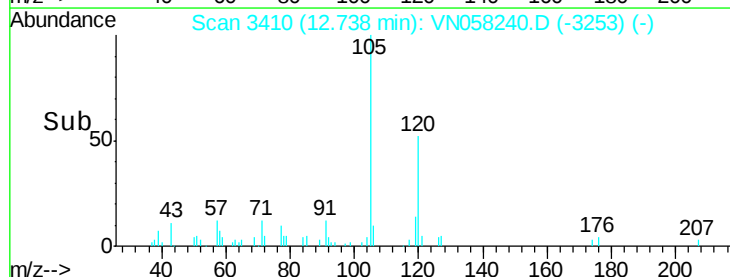
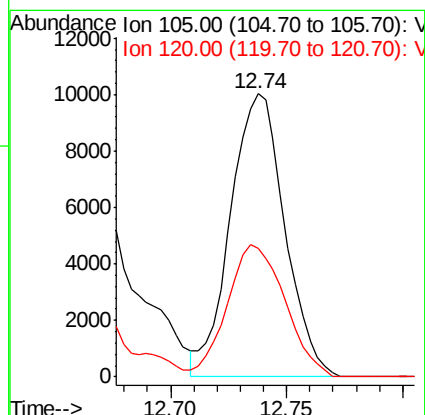
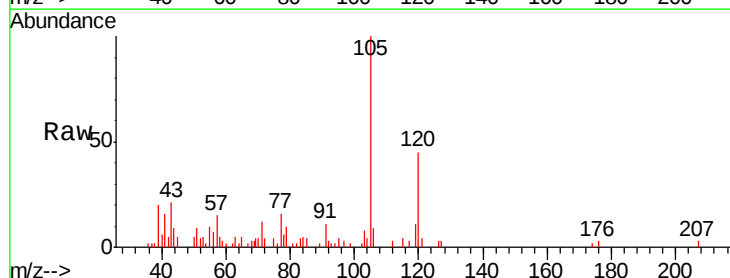
Acq: 20 Sep 2019 11:20

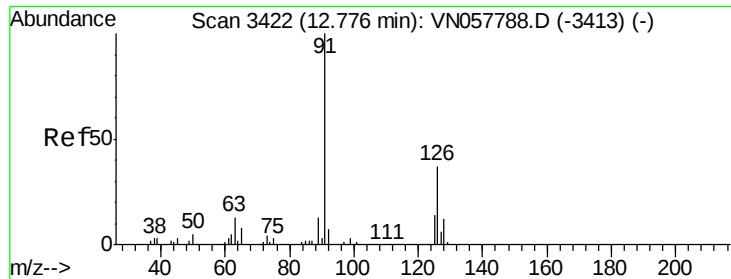
Tgt Ion: 105 Resp: 16288

Ion Ratio Lower Upper

105 100

120 49.4 0.0 94.4





#78

4-Chlorotoluene

Concen: 0.462 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.11 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

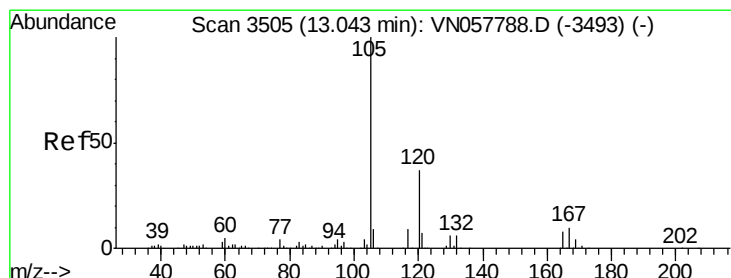
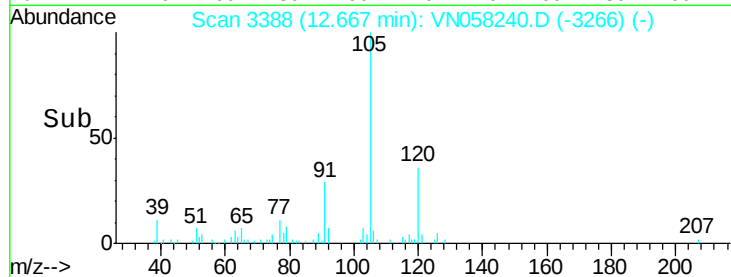
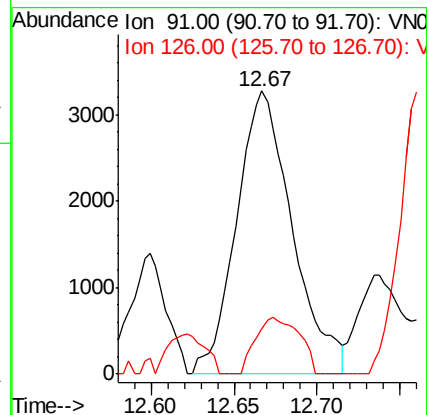
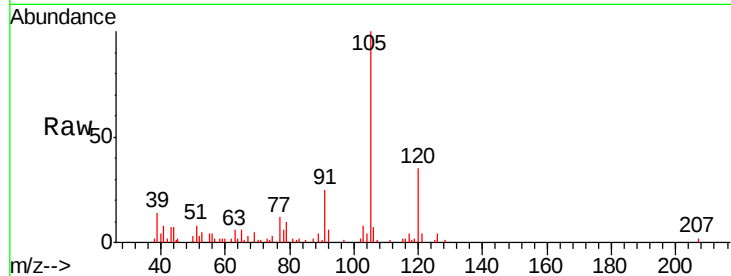
390918737.1-VOA

Tgt Ion: 91 Resp: 7684

Ion Ratio Lower Upper

91 100

126 15.7 0.0 65.2



#80

1,2,4-Trimethylbenzene

Concen: 2.935 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058240.D

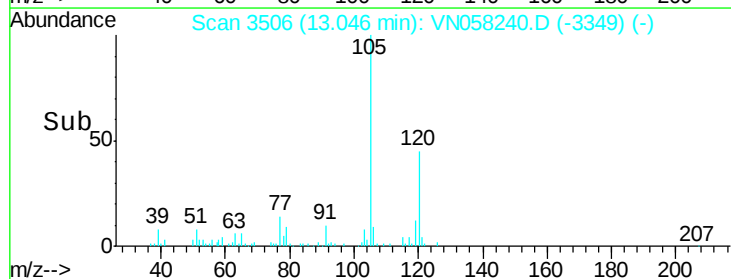
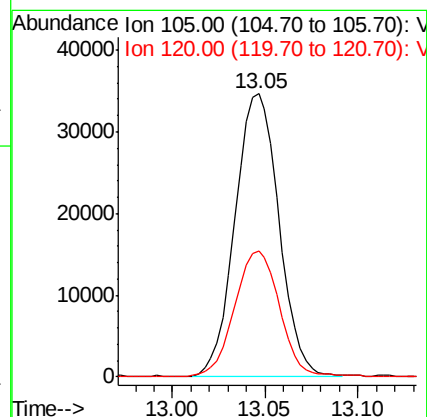
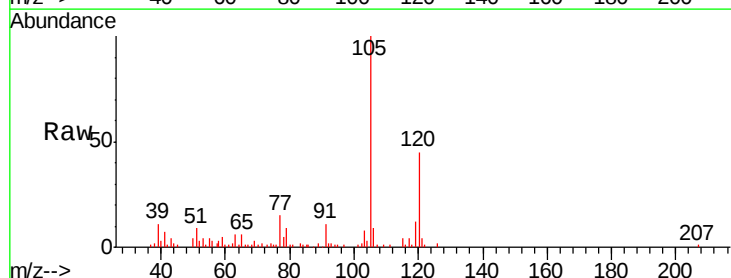
Acq: 20 Sep 2019 11:20

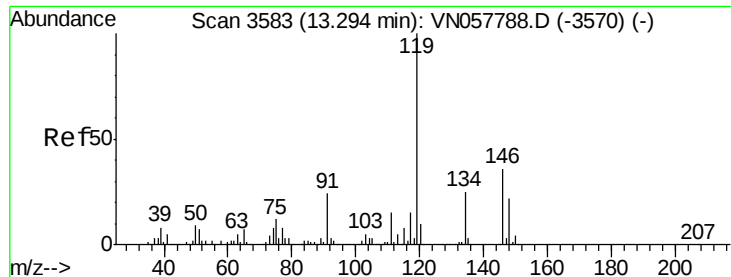
Tgt Ion: 105 Resp: 57078

Ion Ratio Lower Upper

105 100

120 45.5 0.0 87.8

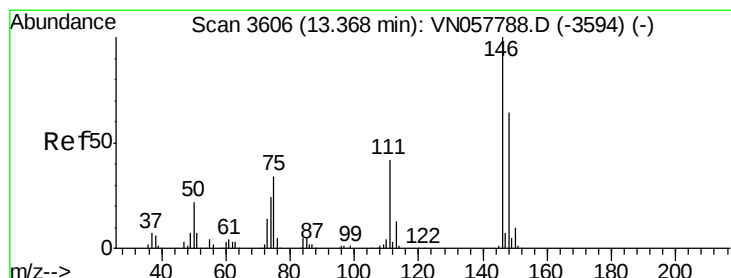
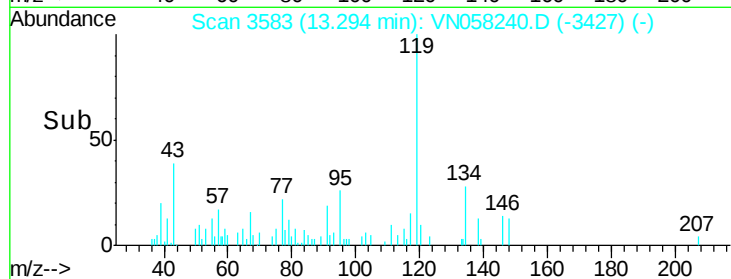
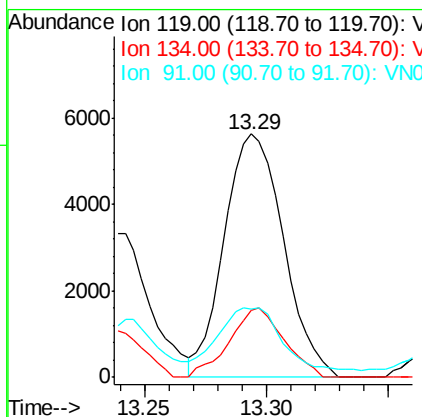
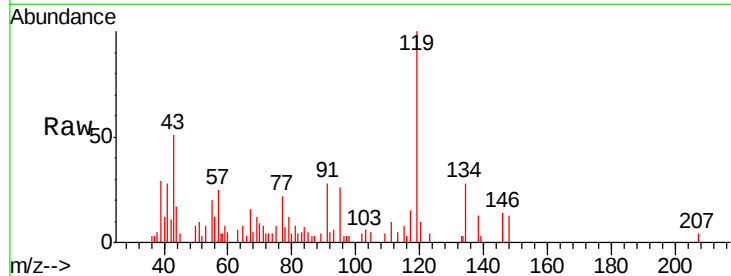




#82
 p-Isopropyltoluene
 Concen: 0.471 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

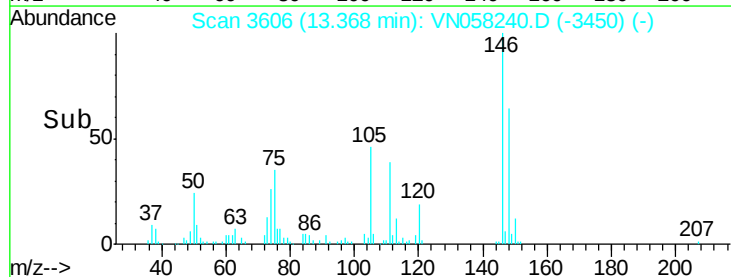
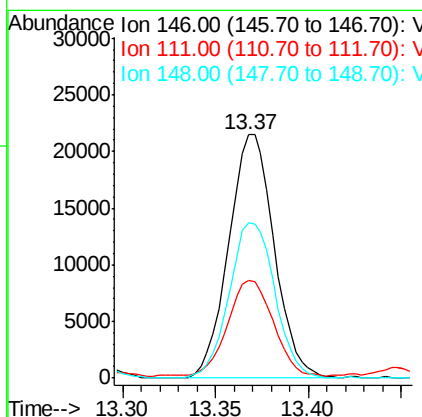
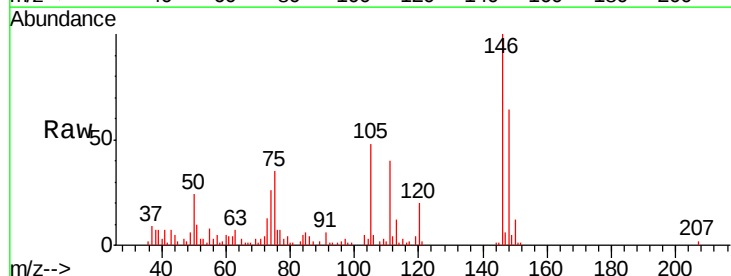
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

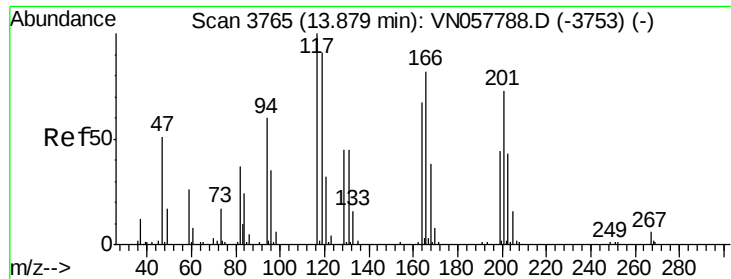
Tgt Ion:119 Resp: 9523
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 50.4
 91 25.7 0.0 48.8



#84
 1,4-Dichlorobenzene
 Concen: 3.646 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Tgt Ion:146 Resp: 36617
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.4
 148 64.1 31.7 95.1

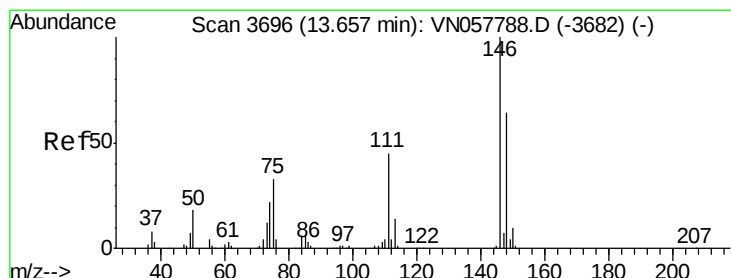
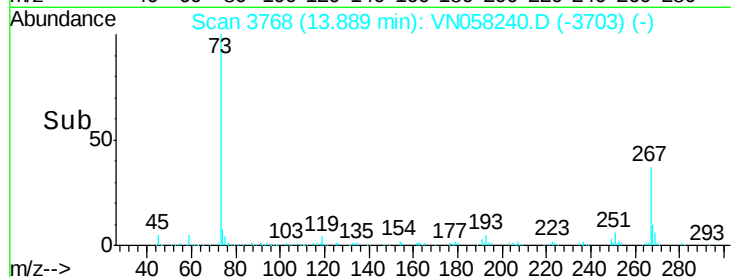
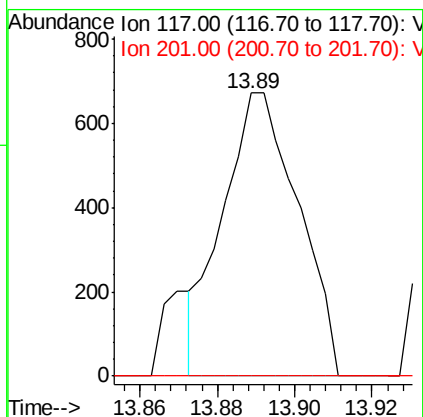
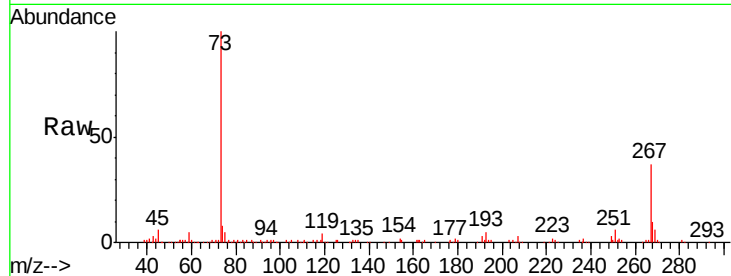




#86
Hexachloroethane
Concen: 0.284 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

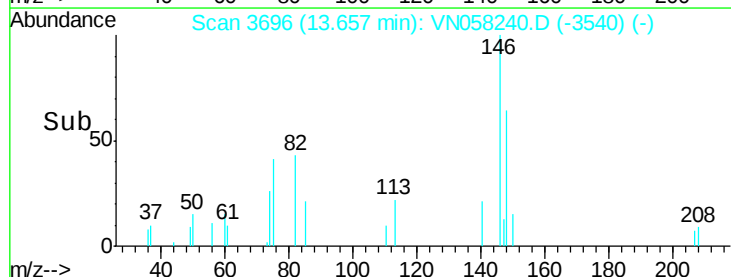
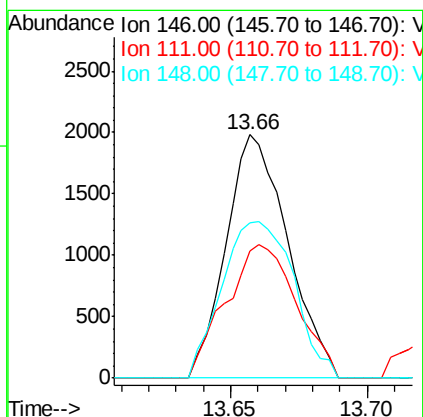
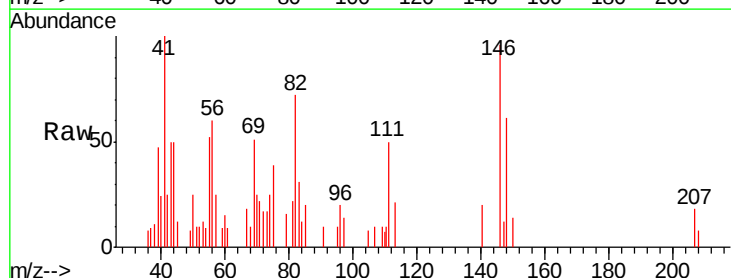
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

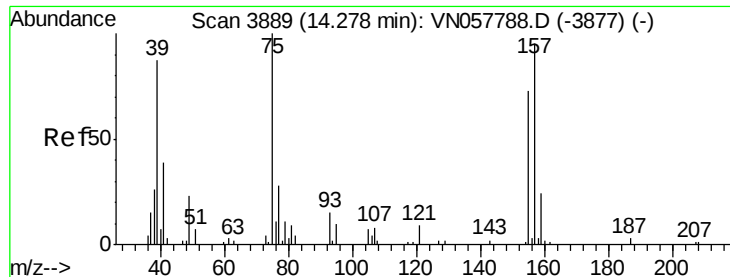
Tgt Ion:117 Resp: 914
Ion Ratio Lower Upper
117 100
201 0.0 36.7 110.1#



#87
1,2-Dichlorobenzene
Concen: 0.315 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN058240.D
Acq: 20 Sep 2019 11:20

Tgt Ion:146 Resp: 3115
Ion Ratio Lower Upper
146 100
111 62.7 22.2 66.6
148 74.7 32.1 96.3

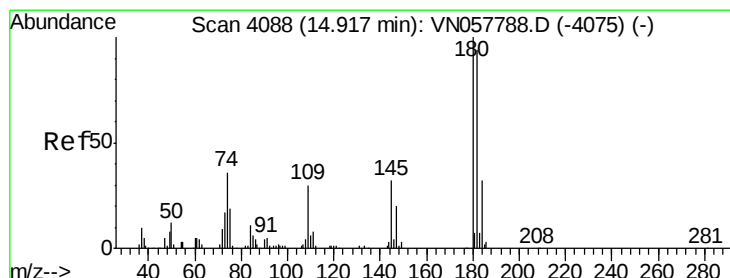
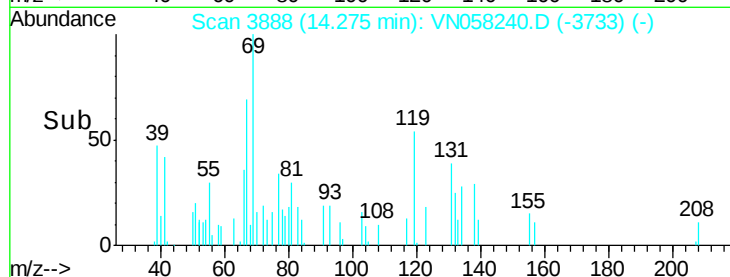
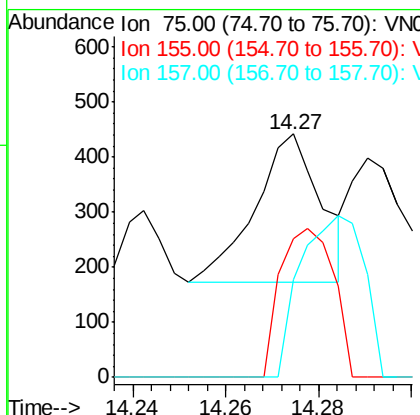
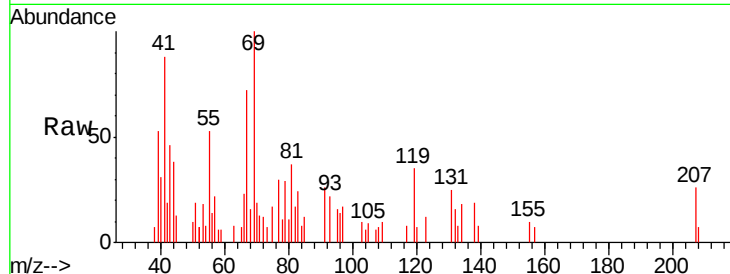




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.211 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

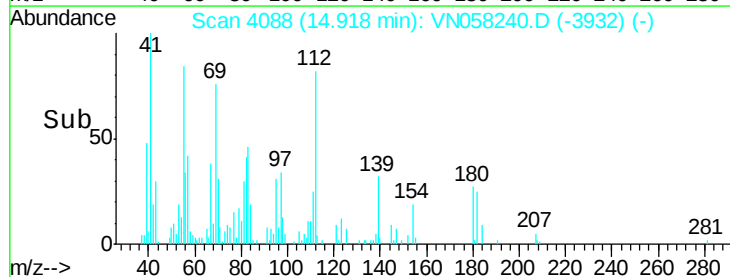
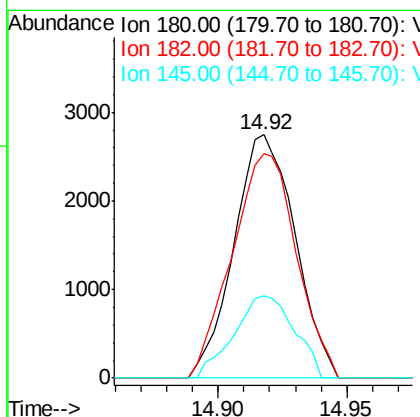
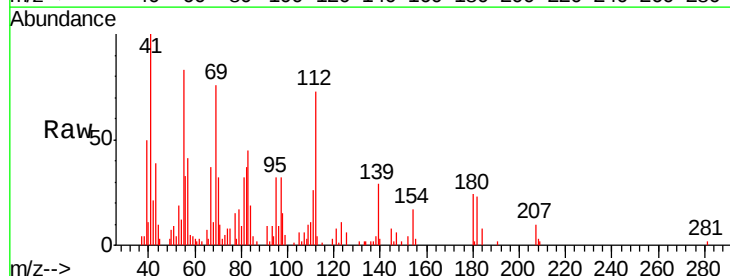
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

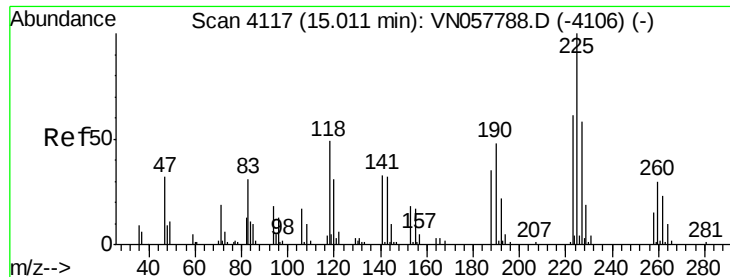
Tgt Ion: 75 Resp: 266
 Ion Ratio Lower Upper
 75 100
 155 81.2 59.4 89.2
 157 0.0 74.6 112.0#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.751 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Tgt Ion: 180 Resp: 4543
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.0 115.4
 145 33.3 26.1 39.1





#90

Hexachlorobutadiene

Concen: 0.224 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

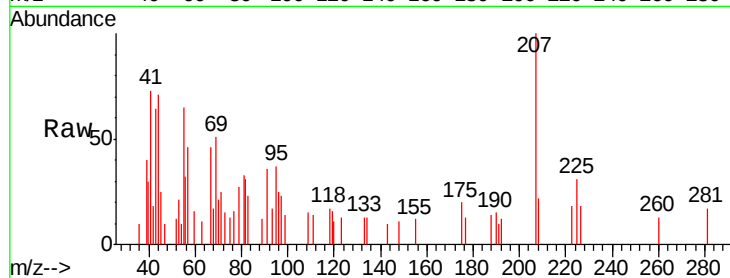
Tgt Ion:225 Resp: 622

Ion Ratio Lower Upper

225 100

223 48.4 0.0 125.0

227 58.8 0.0 123.8



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

15.02

400

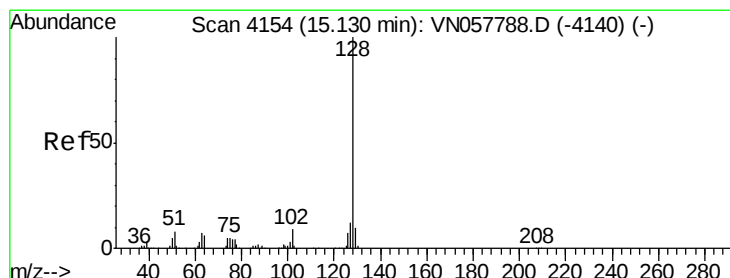
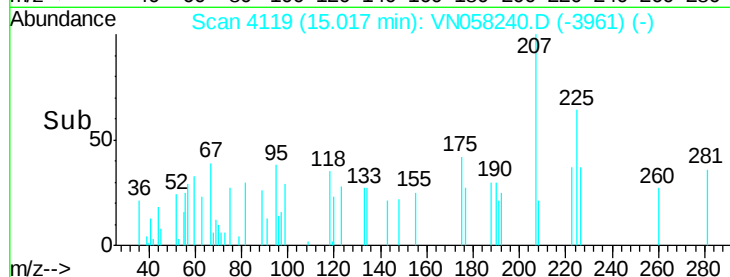
300

200

100

0

Time--> 14.98 15.00 15.02 15.04



#91

Naphthalene

Concen: 3.623 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058240.D

Acq: 20 Sep 2019 11:20

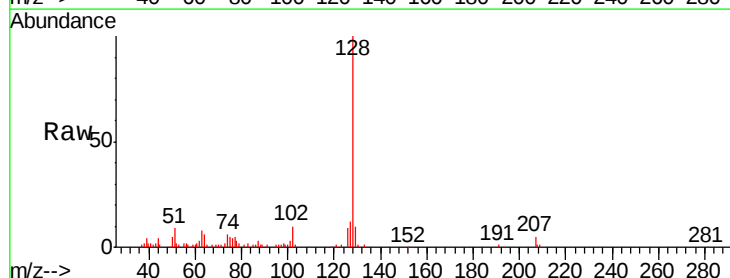
Tgt Ion:128 Resp: 60297

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

129 10.8 8.1 12.1



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

15.13

40000

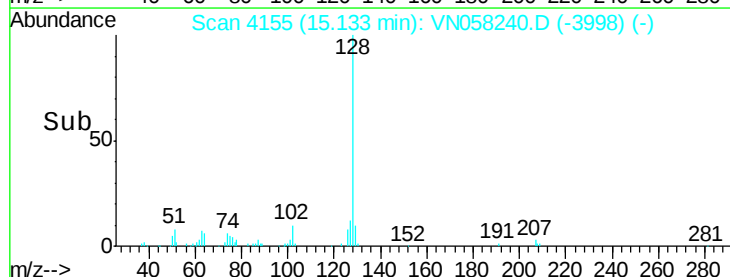
30000

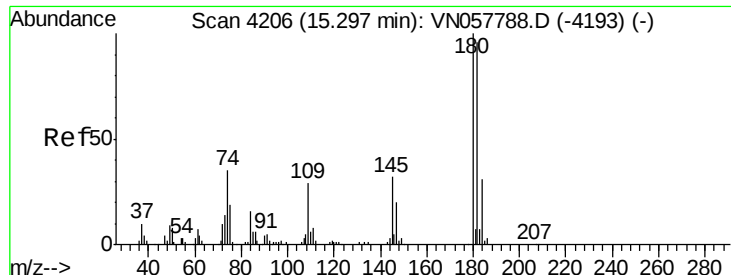
20000

10000

0

Time--> 15.05 15.10 15.15 15.20

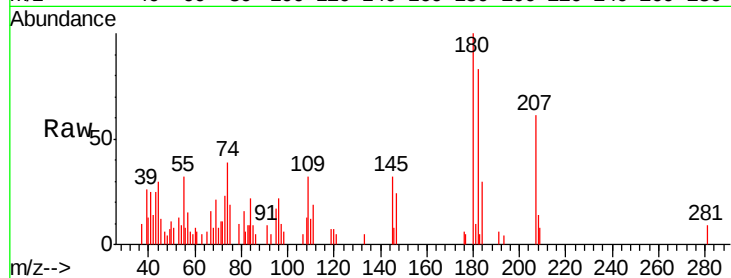




#92
 1,2,3-Trichlorobenzene
 Concen: 0.990 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.01 min
 Lab File: VN058240.D
 Acq: 20 Sep 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	189.8
145	32.8	0.0	65.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

