

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057865.D
 Acq On : 10 Sep 2019 16:17
 Operator : JC/SP
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Quant Time: Sep 11 03:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	330190	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.58	113	233708	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.09	98	960118	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	328532	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	89763	20.538	ug/l	97
3) Chloromethane	2.03	50	84218	18.906	ug/l	98
4) Vinyl Chloride	2.16	62	91121	19.328	ug/l	99
5) Bromomethane	2.54	94	52333	19.264	ug/l	100
6) Chloroethane	2.68	64	56457	18.793	ug/l	94
7) Trichlorofluoromethane	2.99	101	102734	17.316	ug/l	100
8) Diethyl Ether	3.39	74	47247	19.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75646	20.211	ug/l	99
10) Methyl Iodide	3.93	142	73118	17.556	ug/l	98
11) Tert butyl alcohol	4.77	59	76855	99.203	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	63016	18.726	ug/l	97
13) Acrolein	3.58	56	53732	81.750	ug/l	98
14) Allyl chloride	4.30	41	121296	18.418	ug/l	99
15) Acrylonitrile	4.96	53	212372	99.733	ug/l	99
16) Acetone	3.80	43	198244	94.475	ug/l	99
17) Carbon Disulfide	4.03	76	94136	18.075	ug/l	98
18) Methyl Acetate	4.30	43	118779	21.230	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	281151	20.075	ug/l	98
20) Methylene Chloride	4.53	84	86303	20.888	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	69174	19.015	ug/l	97
22) Diisopropyl ether	5.93	45	311777	20.187	ug/l	97
23) Vinyl Acetate	5.88	43	1126218	102.896	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169268	20.054	ug/l	99
25) 2-Butanone	6.82	43	300952	99.093	ug/l	99
26) 2,2-Dichloropropane	6.80	77	127797	19.132	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	94400	19.364	ug/l	100
28) Bromochloromethane	7.18	49	83522	19.807	ug/l	98
29) Tetrahydrofuran	7.20	42	185555	99.150	ug/l	99
30) Chloroform	7.36	83	173914	19.706	ug/l	99
31) Cyclohexane	7.64	56	120476	19.585	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	134206	19.174	ug/l	98
36) 1,1-Dichloropropene	7.78	75	110052	18.095	ug/l	98
37) Ethyl Acetate	6.91	43	120834	19.230	ug/l	99
38) Carbon Tetrachloride	7.76	117	105136	18.934	ug/l	97

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Quant Time: Sep 11 03:54:13 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116426	18.210	ug/l	99
40) Benzene	8.03	78	352901	19.273	ug/l	98
41) Methacrylonitrile	7.19	41	178778	62.676	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	142067	19.400	ug/l	100
43) Isopropyl Acetate	8.15	43	217079	20.543	ug/l #	88
44) Trichloroethene	8.83	130	86330	19.223	ug/l	98
45) 1,2-Dichloropropane	9.11	63	104967	19.701	ug/l	99
46) Dibromomethane	9.20	93	63113	19.602	ug/l	98
47) Bromodichloromethane	9.40	83	124154	19.311	ug/l	97
48) Methyl methacrylate	9.19	41	99132	18.493	ug/l	99
49) 1,4-Dioxane	9.19	88	34595	381.637	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	650686	104.054	ug/l	100
52) Toluene	10.15	92	222584	19.300	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	127385	18.815	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	143544	19.203	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96150	19.682	ug/l	96
56) Ethyl methacrylate	10.43	69	139670	18.986	ug/l	97
57) 1,3-Dichloropropane	10.71	76	167493	19.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	339168	97.889	ug/l	100
59) 2-Hexanone	10.75	43	465374	99.287	ug/l	99
60) Dibromochloromethane	10.90	129	83593	18.428	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89343	19.345	ug/l	99
64) Tetrachloroethene	10.63	164	66723	18.564	ug/l	97
65) Chlorobenzene	11.43	112	245948	19.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86286	19.520	ug/l	99
67) Ethyl Benzene	11.51	91	441628	19.781	ug/l	99
68) m/p-Xylenes	11.62	106	326701	39.948	ug/l	99
69) o-Xylene	11.95	106	161950	19.919	ug/l	100
70) Styrene	11.97	104	276120	19.734	ug/l	99
71) Bromoform	12.13	173	50063	18.165	ug/l #	97
73) Isopropylbenzene	12.25	105	439726	20.202	ug/l	99
74) N-amyl acetate	12.07	43	190006	20.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144097	19.662	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	171458	27.020	ug/l #	100
77) Bromobenzene	12.53	156	102161	18.825	ug/l	98
78) n-propylbenzene	12.59	91	515901	20.641	ug/l	100
79) 2-Chlorotoluene	12.68	91	308532	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	376723	20.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31802	17.636	ug/l	90
82) 4-Chlorotoluene	12.78	91	316471	19.508	ug/l	99
83) tert-Butylbenzene	13.00	119	333504	20.400	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	377741	20.209	ug/l	100
85) sec-Butylbenzene	13.18	105	443736	20.479	ug/l	99
86) p-Isopropyltoluene	13.29	119	396044	20.744	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194212	19.497	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	195087	19.295	ug/l	99
89) n-Butylbenzene	13.62	91	363440	20.158	ug/l	100
90) Hexachloroethane	13.88	117	53047	18.683	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	194201	19.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22768	18.812	ug/l	97

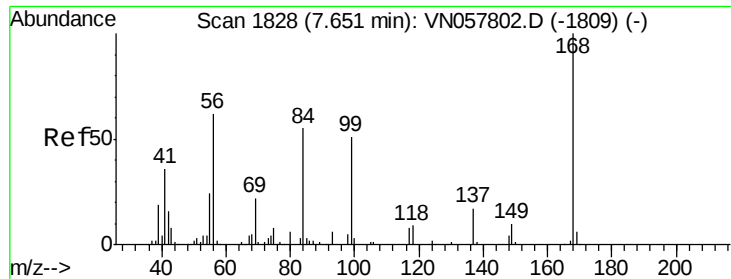
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057865.D
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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115312	17.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	53251	19.313	ug/l	98
95) Naphthalene	15.13	128	327713	18.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	111984	20.326	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

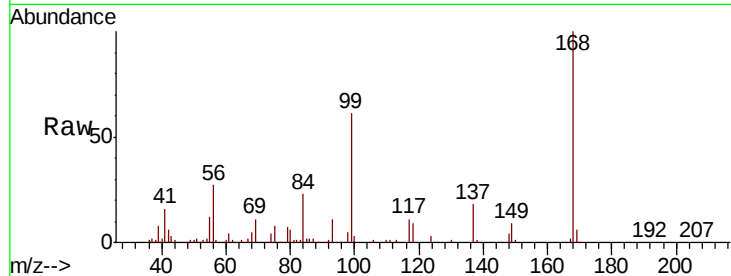
VN0911WBSD01

Tgt Ion:168 Resp: 316033

Ion Ratio Lower Upper

168 100

99 60.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

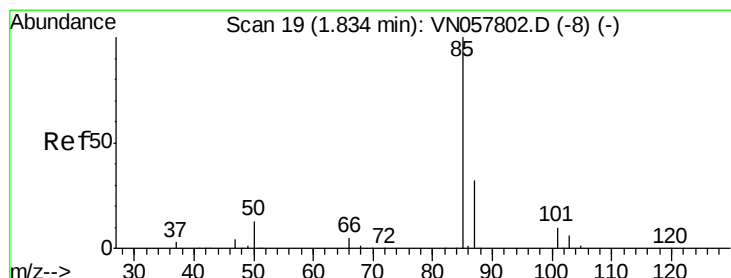
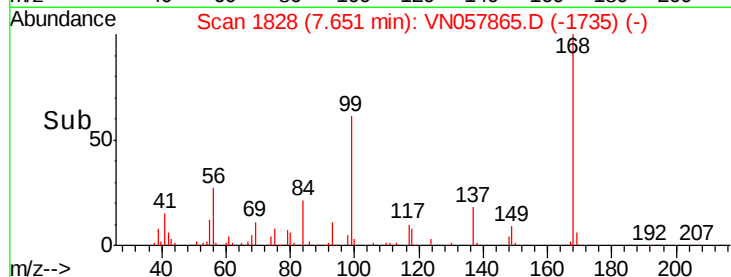
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.538 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057865.D

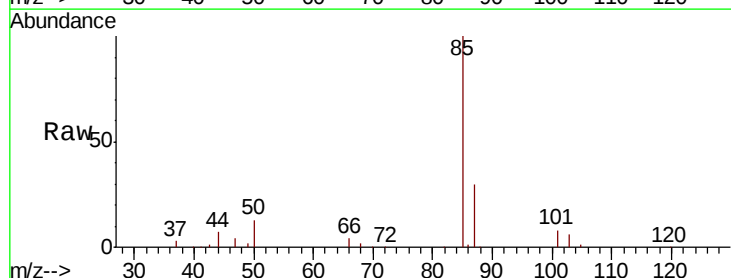
Acq: 10 Sep 2019 16:17

Tgt Ion: 85 Resp: 89763

Ion Ratio Lower Upper

85 100

87 30.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

60000

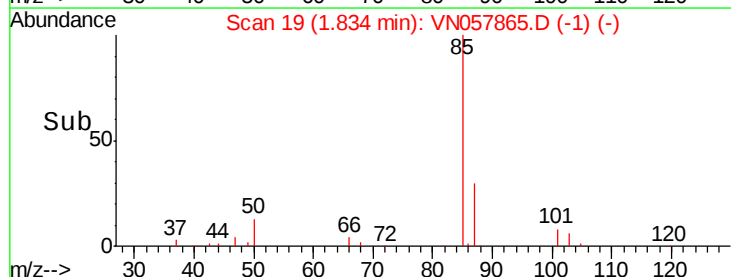
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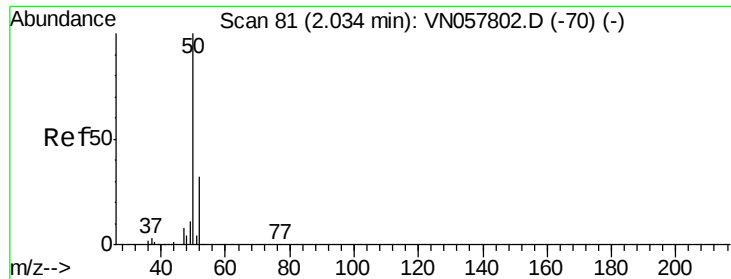
20000

0

1.80 1.85 1.90

Time-->

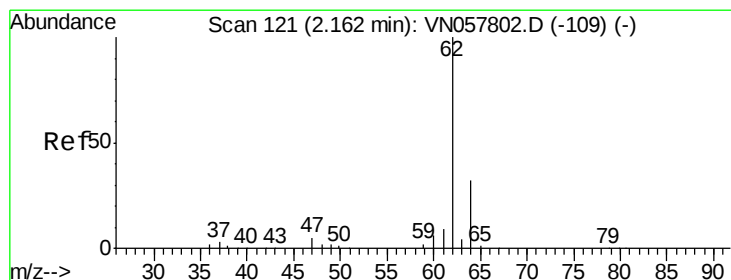
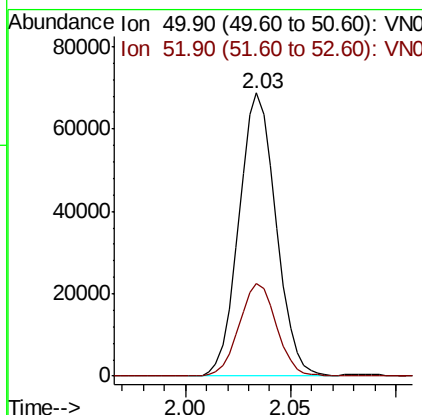
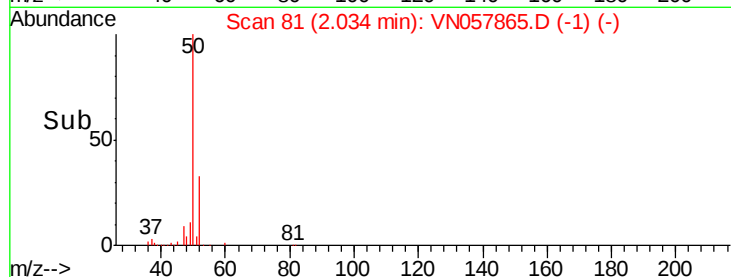
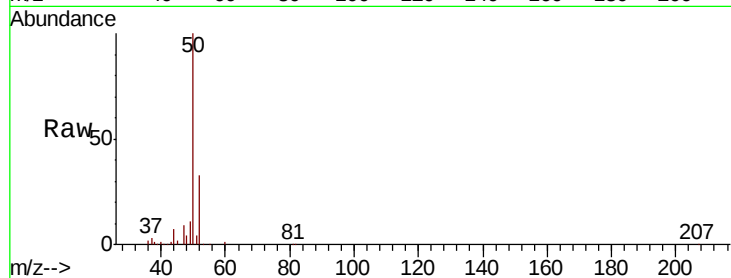




#3
Chloromethane
Concen: 18.906 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

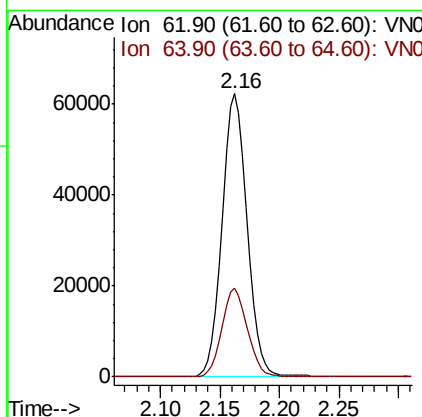
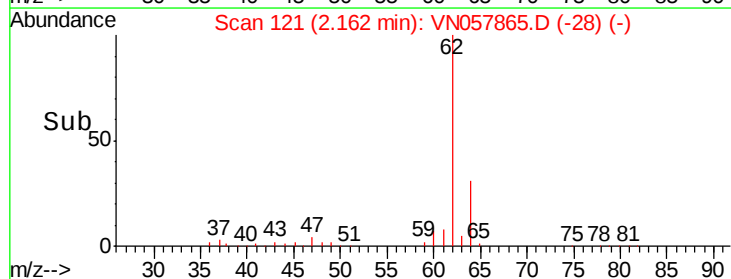
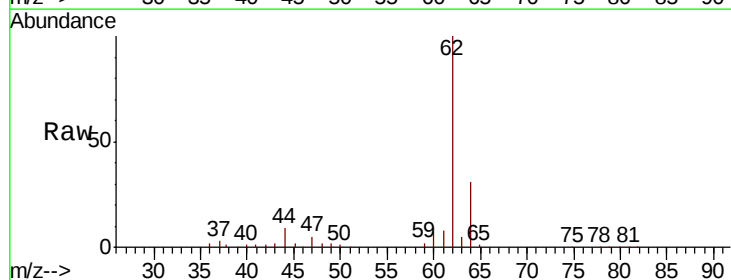
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

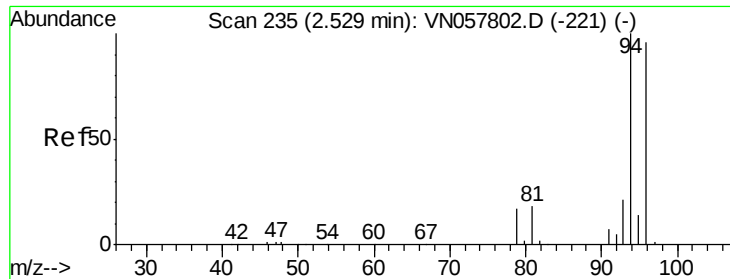
Tgt Ion: 50 Resp: 84218
Ion Ratio Lower Upper
50 100
52 32.8 25.5 38.3



#4
Vinyl Chloride
Concen: 19.328 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 62 Resp: 91121
Ion Ratio Lower Upper
62 100
64 31.2 25.6 38.4





#5

Bromomethane

Concen: 19.264 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

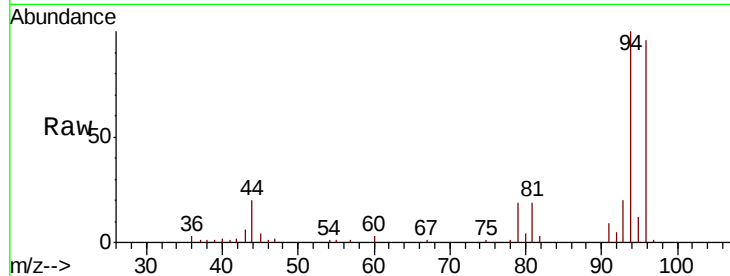
VN0911WBSD01

Tgt Ion: 94 Resp: 52333

Ion Ratio Lower Upper

94 100

96 95.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

25000

20000

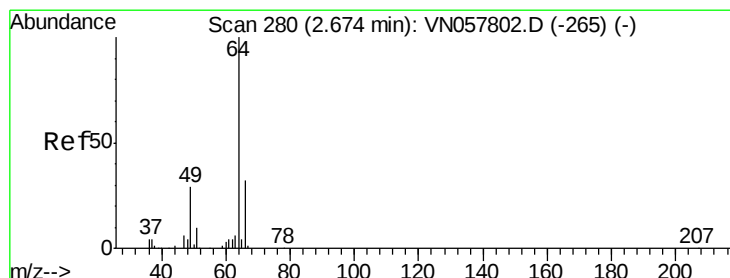
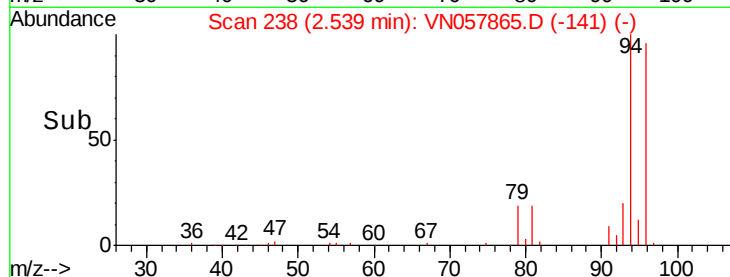
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.793 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057865.D

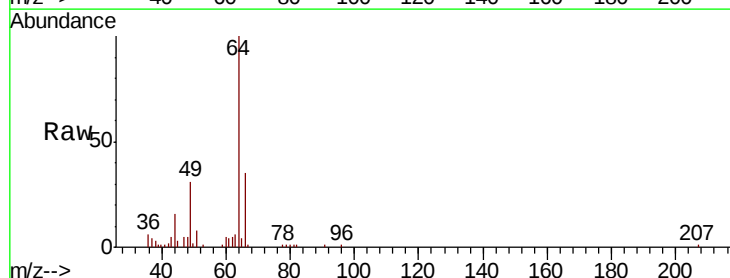
Acq: 10 Sep 2019 16:17

Tgt Ion: 64 Resp: 56457

Ion Ratio Lower Upper

64 100

66 35.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

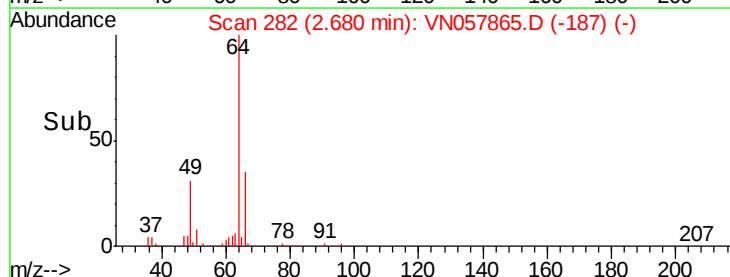
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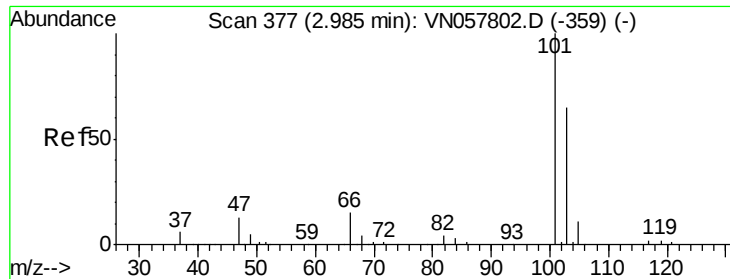
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5000

0

Time-->



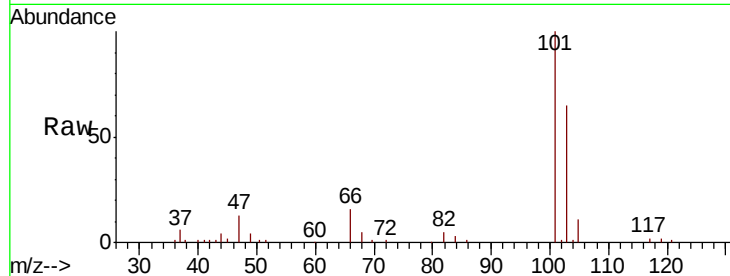


#7

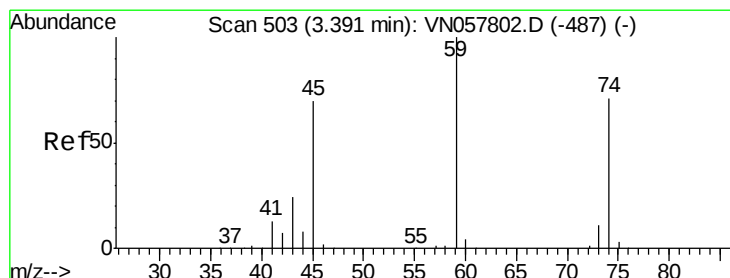
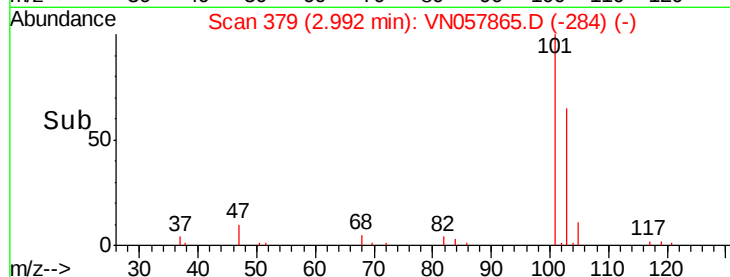
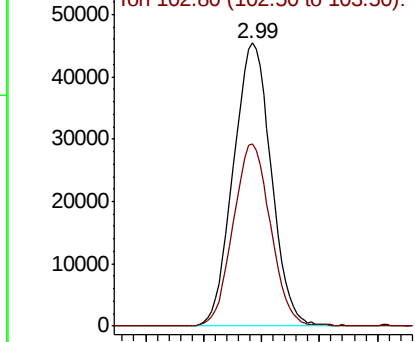
Trichlorofluoromethane
 Concen: 17.316 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion:101 Resp: 102734
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9



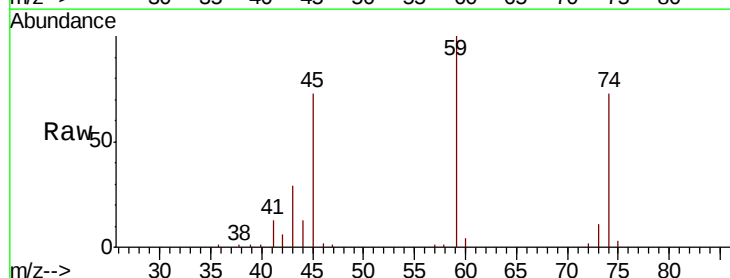
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



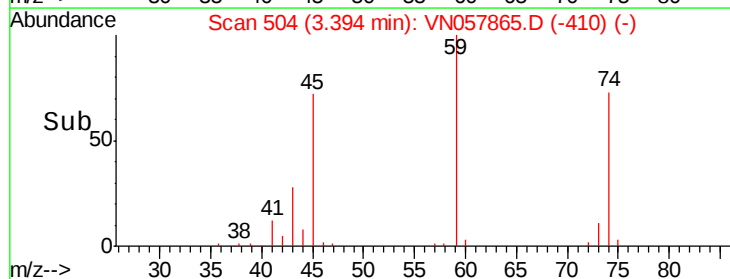
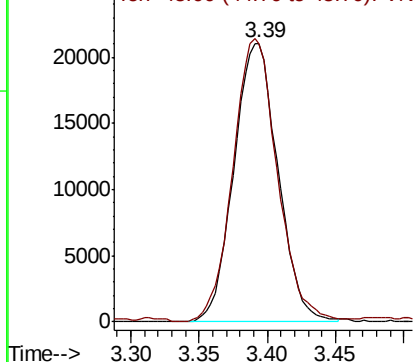
#8

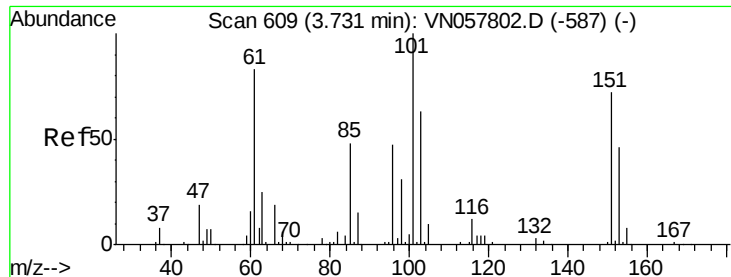
Diethyl Ether
 Concen: 19.093 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 74 Resp: 47247
 Ion Ratio Lower Upper
 74 100
 45 102.7 50.3 151.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
 25000 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.211 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

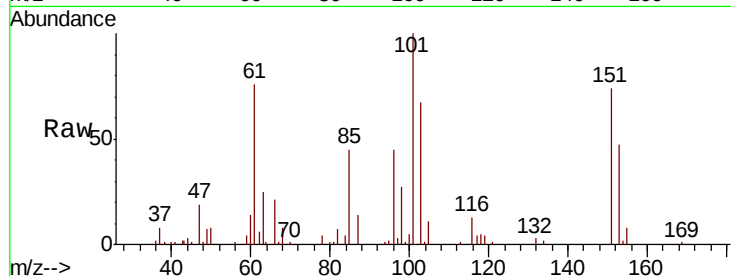
Tgt Ion:101 Resp: 75646

Ion Ratio Lower Upper

101 100

85 45.8 38.1 57.1

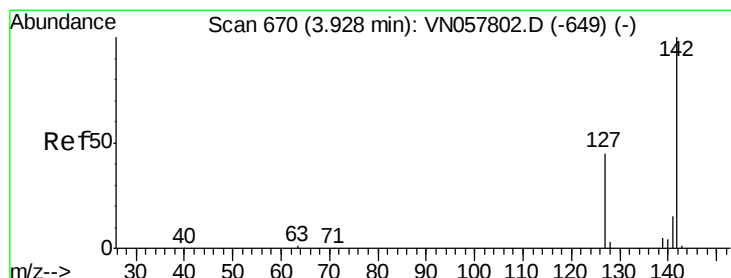
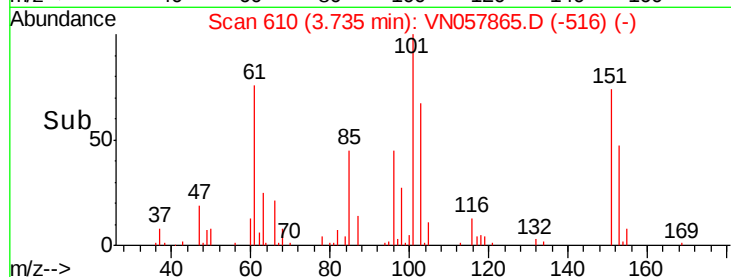
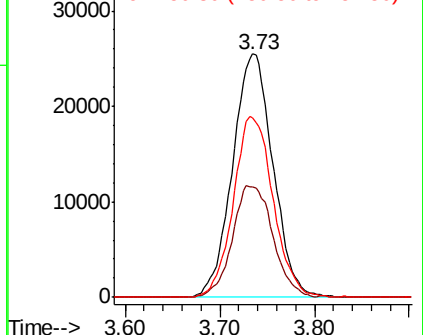
151 73.2 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.556 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

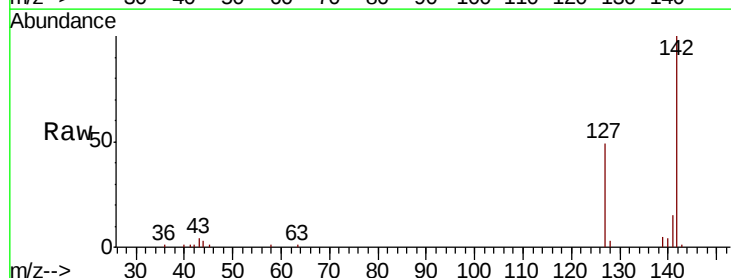
Tgt Ion:142 Resp: 73118

Ion Ratio Lower Upper

142 100

127 47.4 36.7 55.1

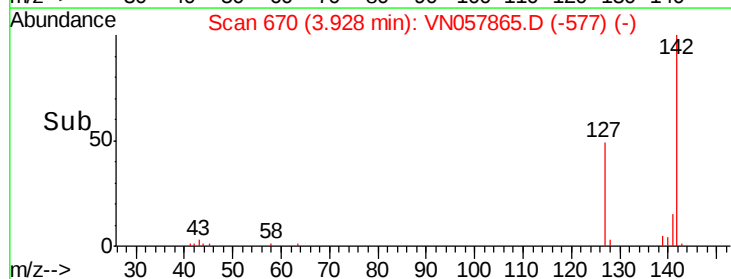
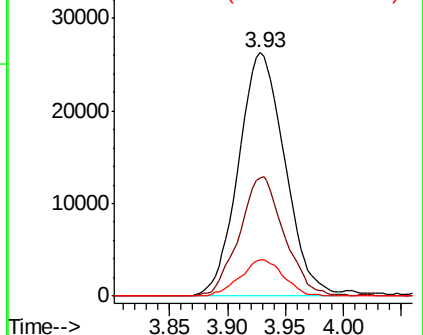
141 14.0 11.4 17.0

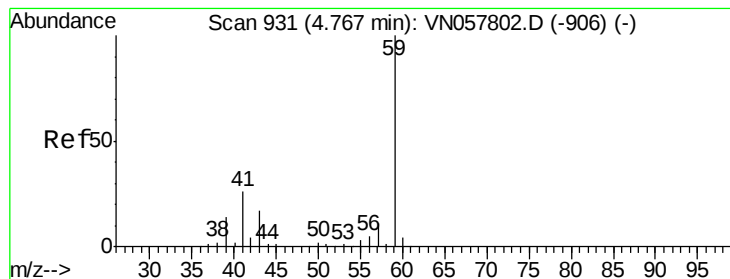


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



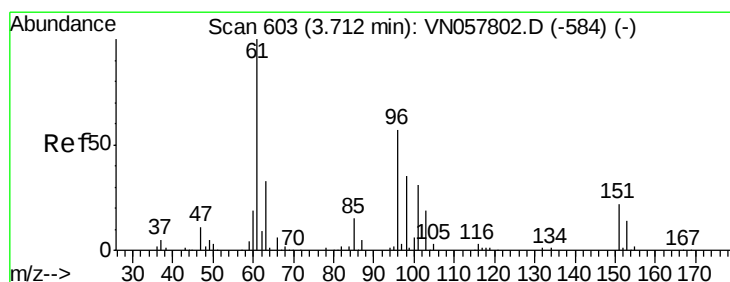
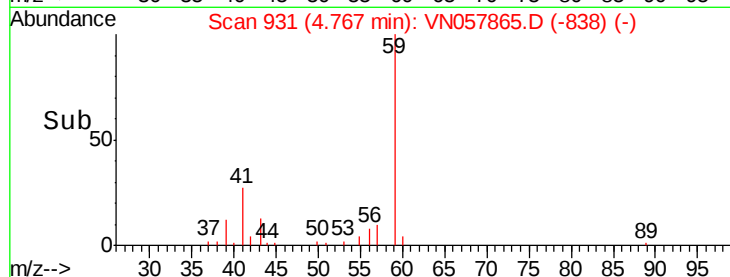
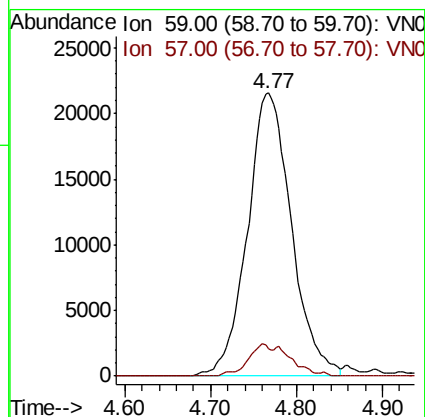
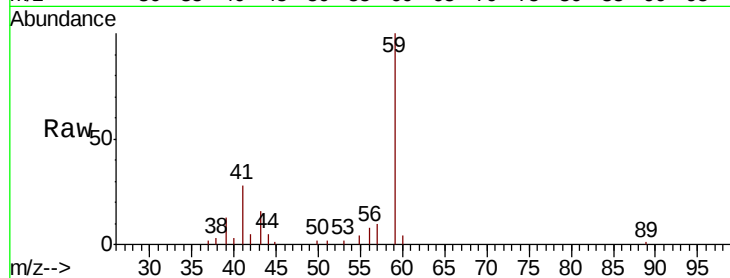


#11

Tert butyl alcohol
 Concen: 99.203 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

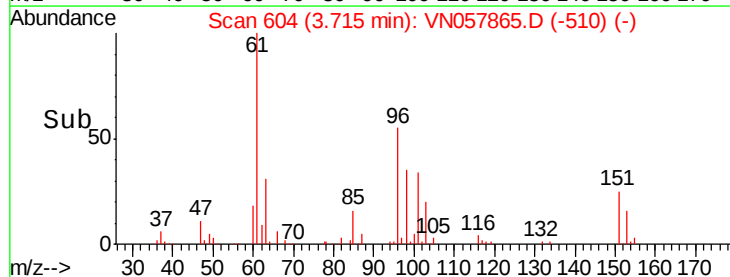
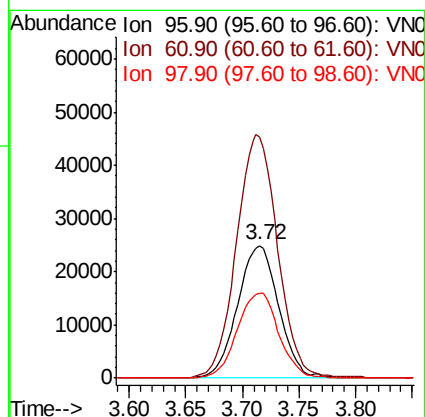
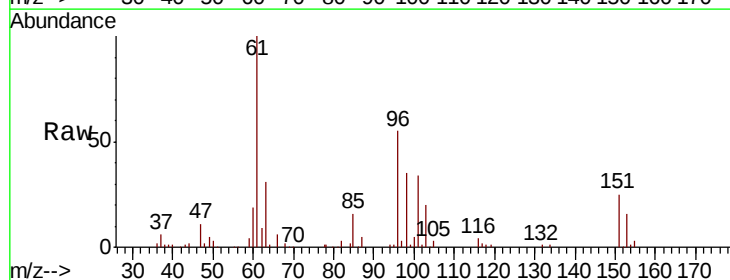
Tgt Ion: 59 Resp: 76855
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.4 12.6#

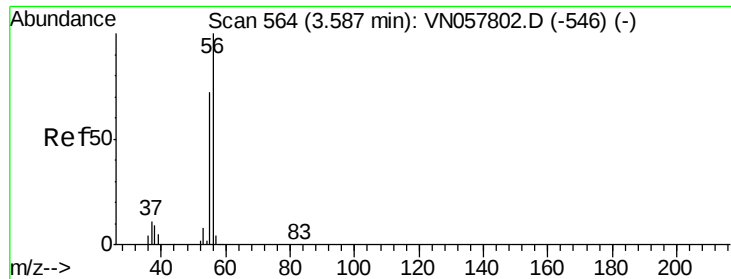


#12

1,1-Dichloroethene
 Concen: 18.726 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 96 Resp: 63016
 Ion Ratio Lower Upper
 96 100
 61 181.6 141.2 211.8
 98 64.0 49.9 74.9





#13

Acrolein

Concen: 81.750 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

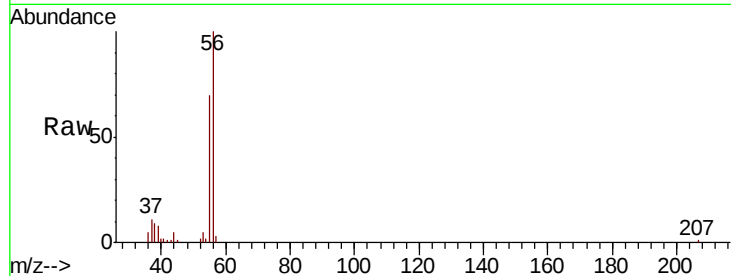
VN0911WBSD01

Tgt Ion: 56 Resp: 53732

Ion Ratio Lower Upper

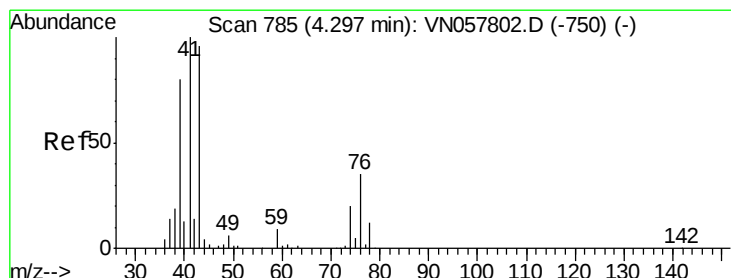
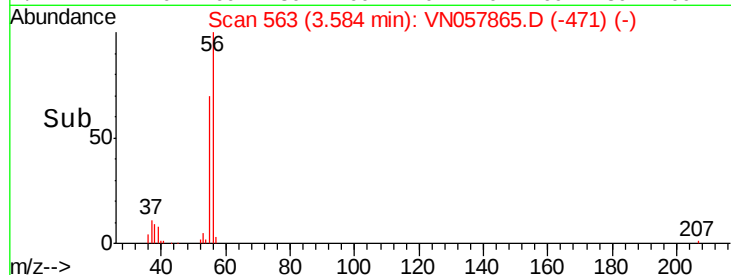
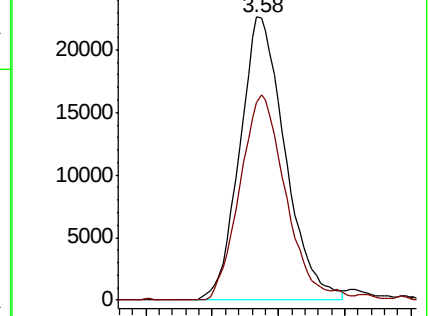
56 100

55 73.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.418 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

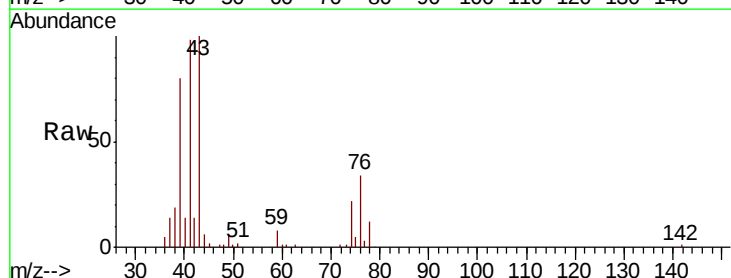
Tgt Ion: 41 Resp: 121296

Ion Ratio Lower Upper

41 100

39 74.5 59.4 89.2

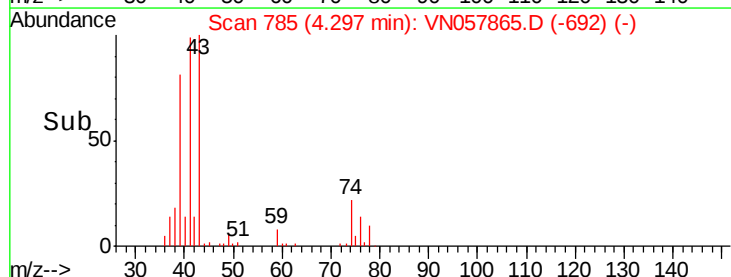
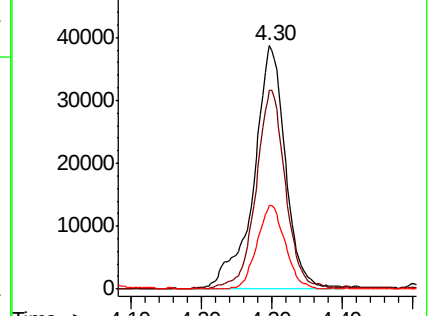
76 30.6 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.733 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

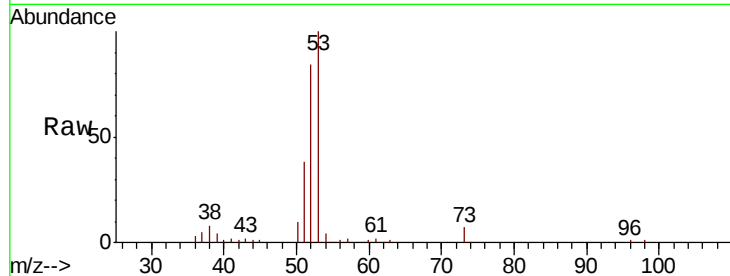
Tgt Ion: 53 Resp: 212372

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

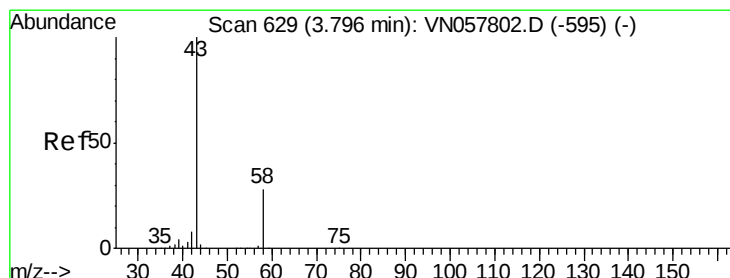
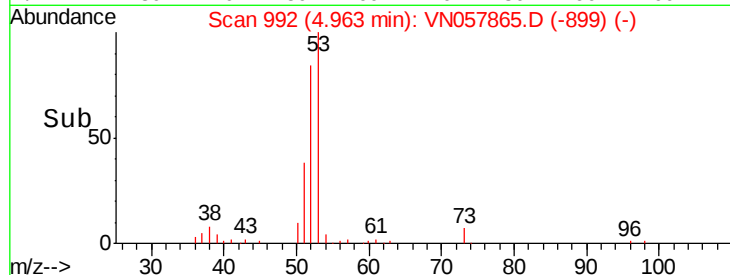
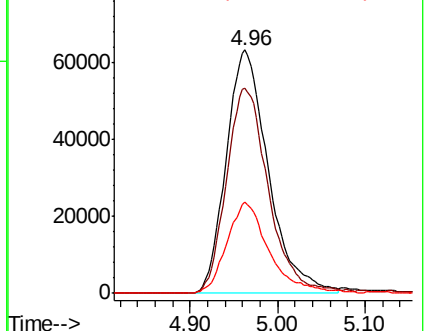
51 37.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.475 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057865.D

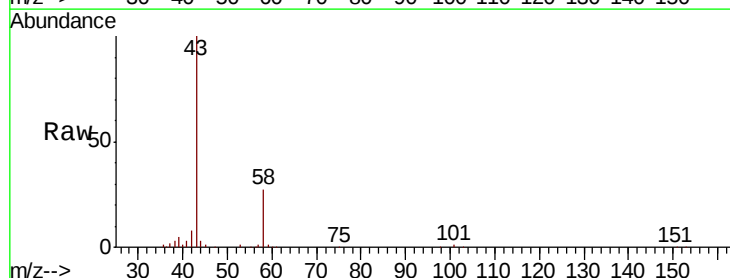
Acq: 10 Sep 2019 16:17

Tgt Ion: 43 Resp: 198244

Ion Ratio Lower Upper

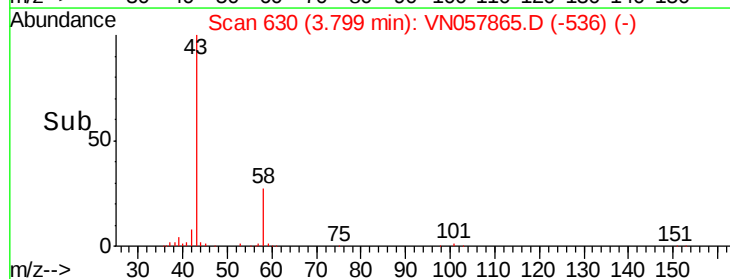
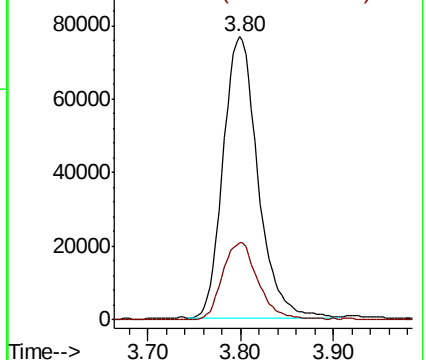
43 100

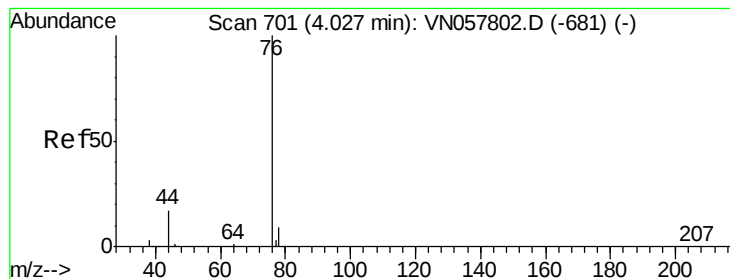
58 27.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.075 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

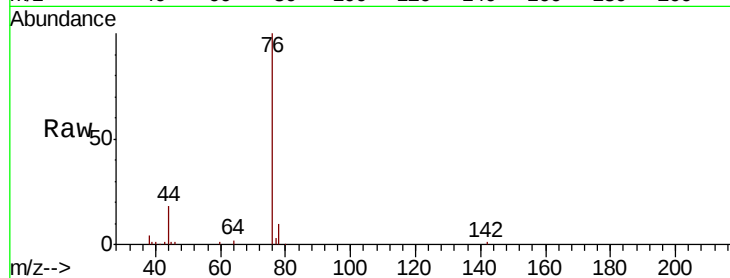
VN0911WBSD01

Tgt Ion: 76 Resp: 94136

Ion Ratio Lower Upper

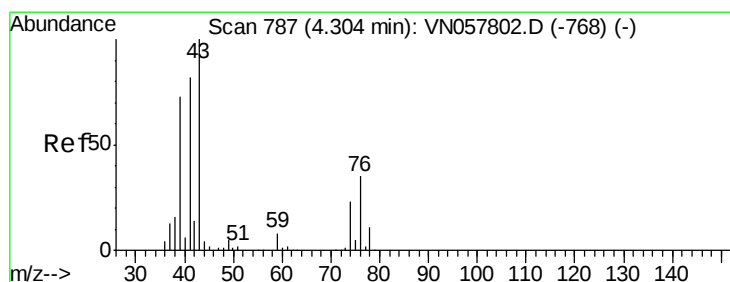
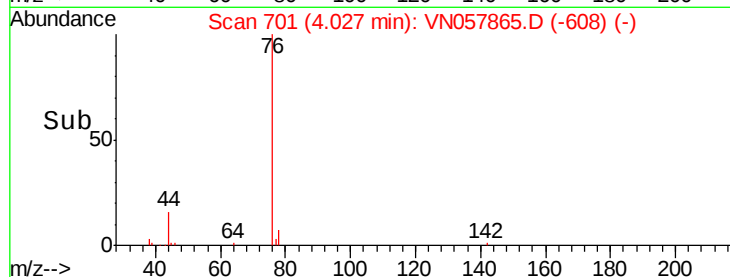
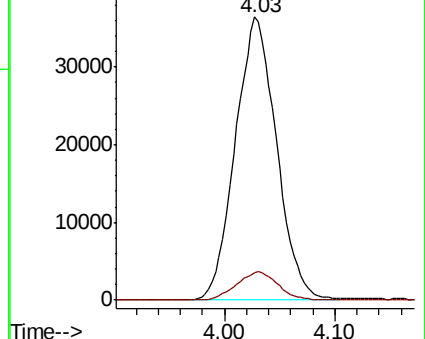
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.230 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057865.D

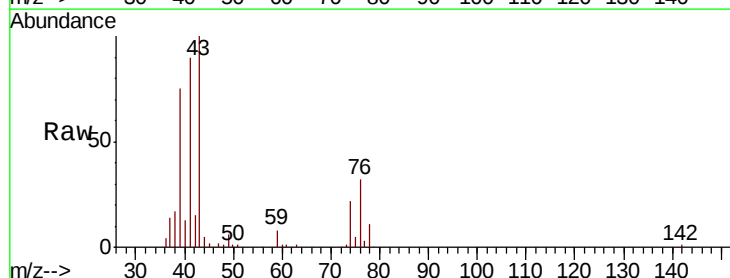
Acq: 10 Sep 2019 16:17

Tgt Ion: 43 Resp: 118779

Ion Ratio Lower Upper

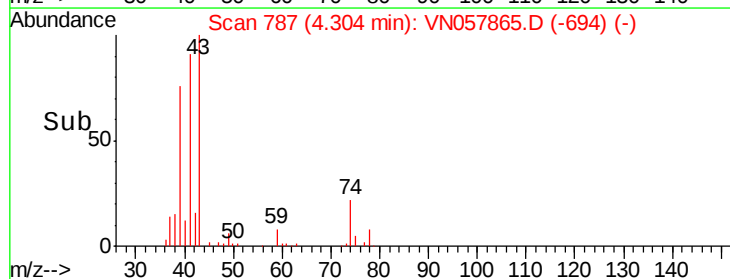
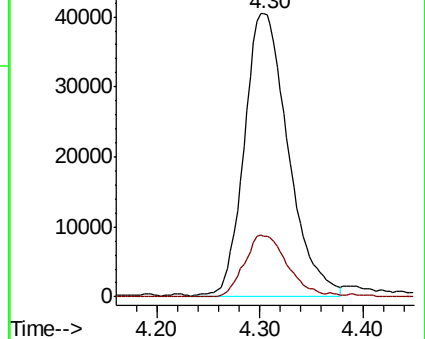
43 100

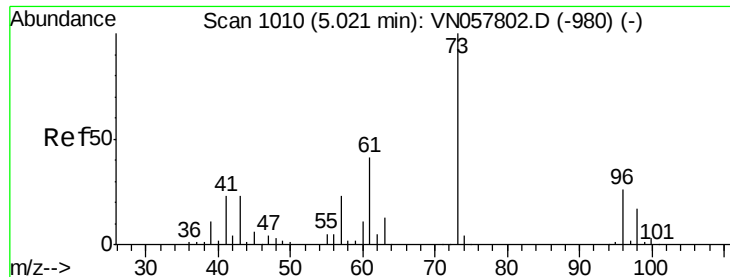
74 21.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

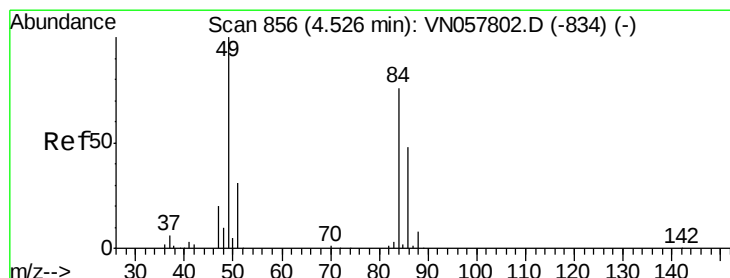
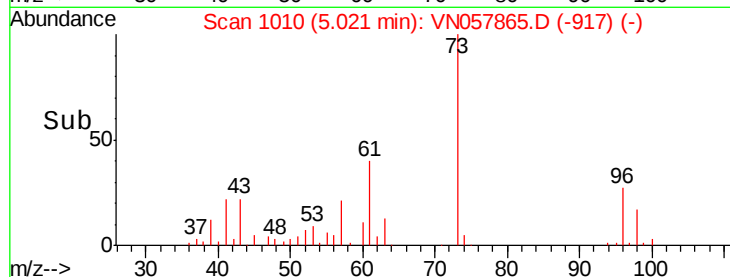
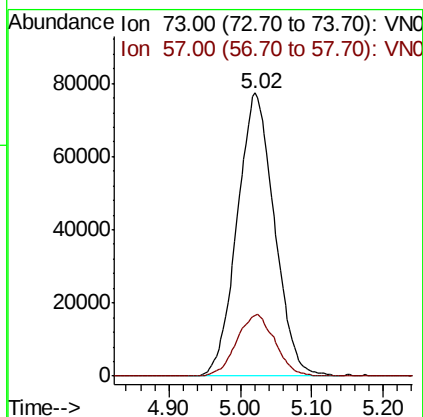
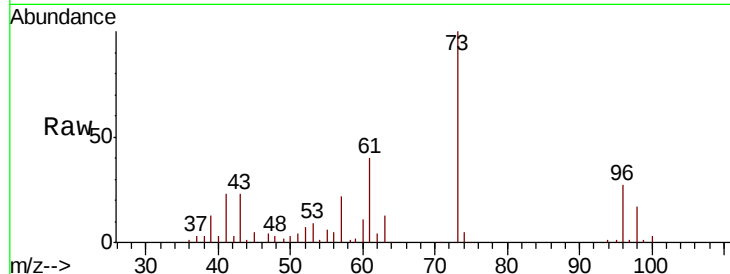




#19
Methyl tert-butyl Ether
Concen: 20.075 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

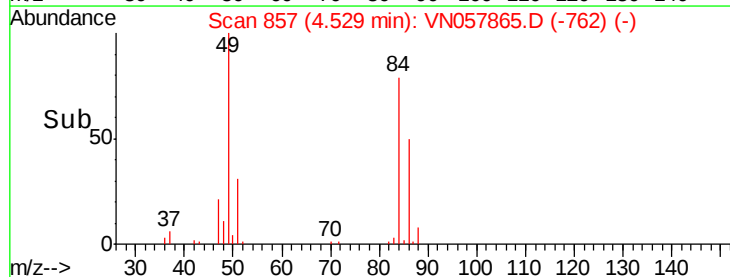
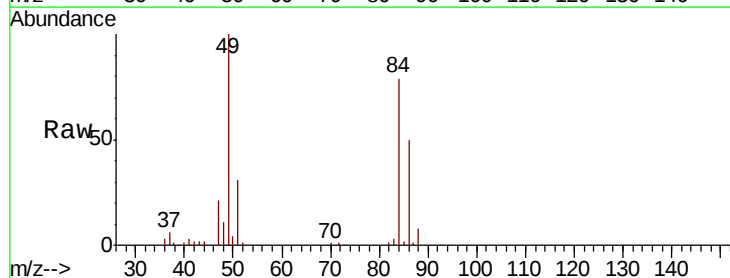
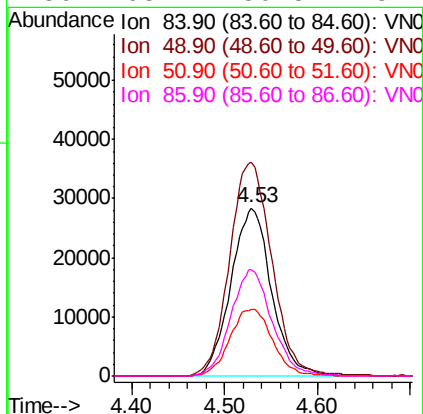
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

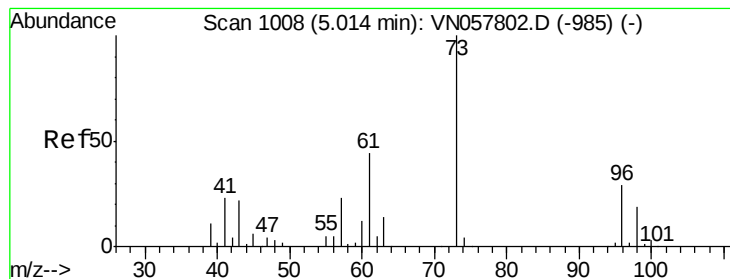
Tgt Ion: 73 Resp: 281151
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2



#20
Methylene Chloride
Concen: 20.888 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 84 Resp: 86303
Ion Ratio Lower Upper
84 100
49 127.4 104.8 157.2
51 39.6 33.0 49.4
86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

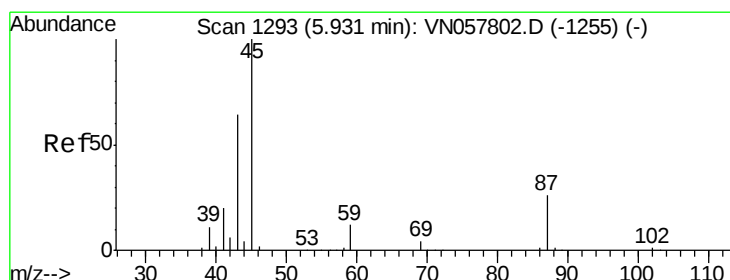
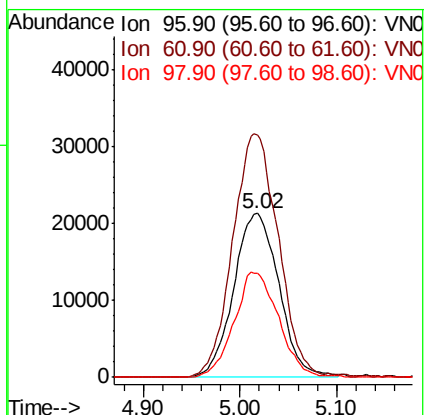
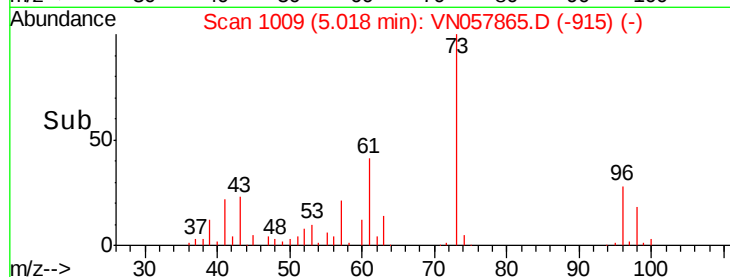
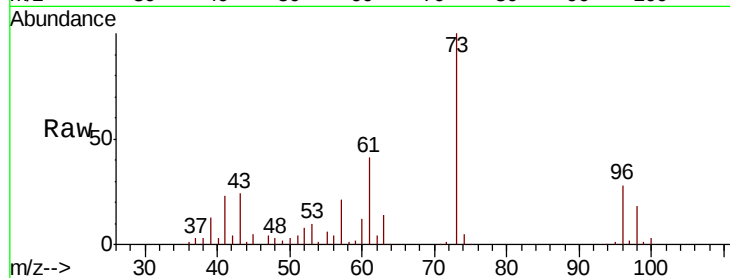
Tgt Ion: 96 Resp: 69174

Ion Ratio Lower Upper

96 100

61 148.1 121.9 182.9

98 63.4 52.2 78.4



#22

Diisopropyl ether

Concen: 20.187 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion: 45 Resp: 311777

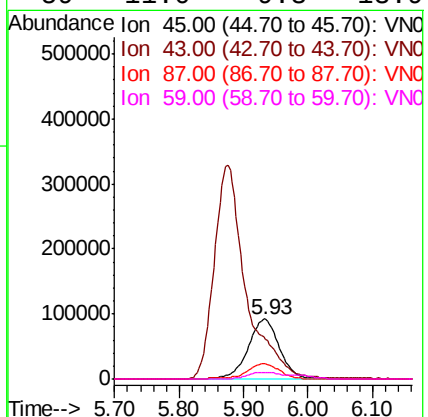
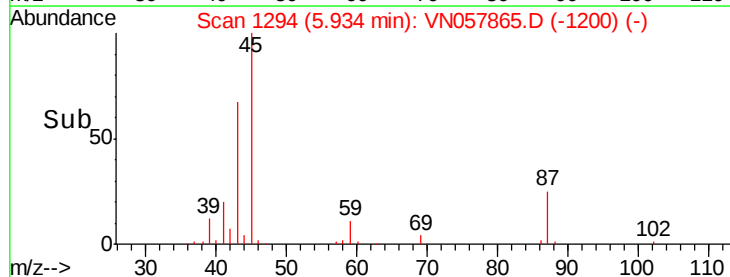
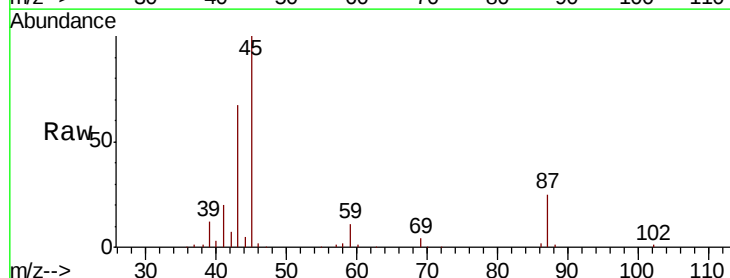
Ion Ratio Lower Upper

45 100

43 66.4 51.4 77.2

87 25.2 21.3 31.9

59 11.0 9.3 13.9

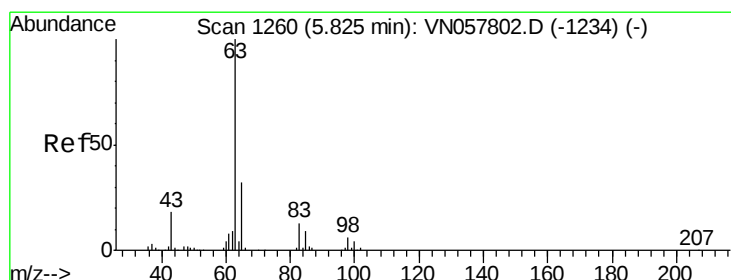
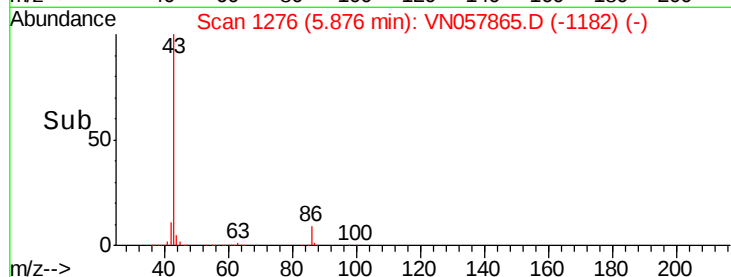
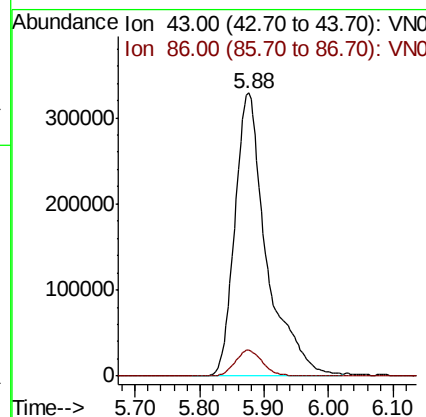
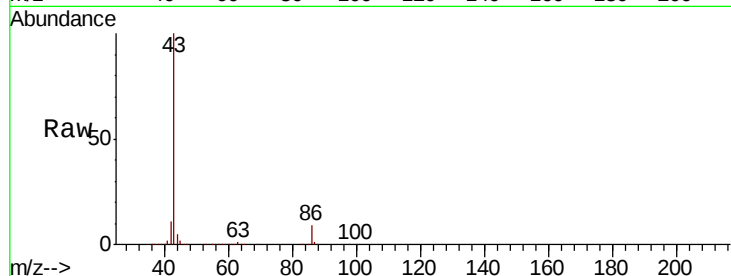




#23
 Vinyl Acetate
 Concen: 102.896 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

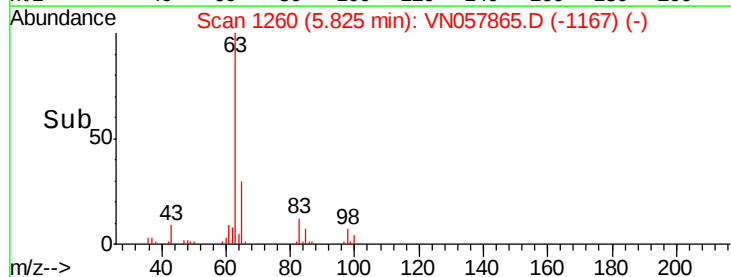
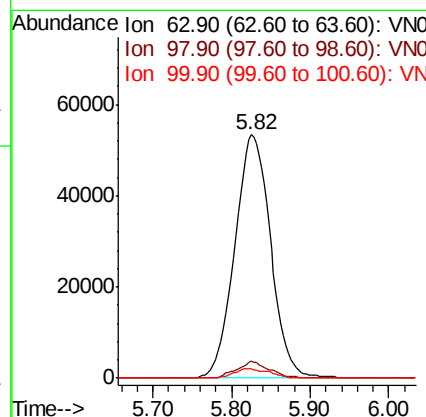
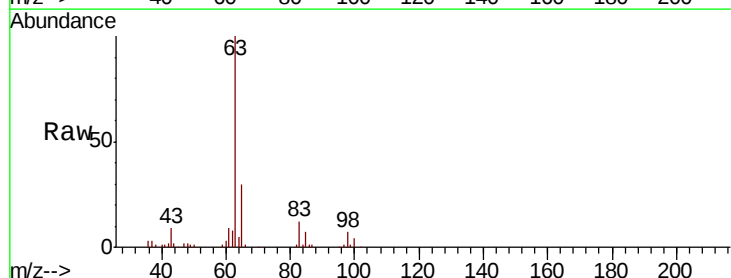
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

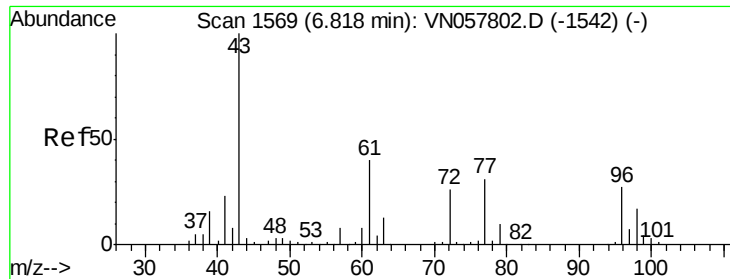
Tgt Ion: 43 Resp: 1126218
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.054 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 63 Resp: 169268
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 99.093 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

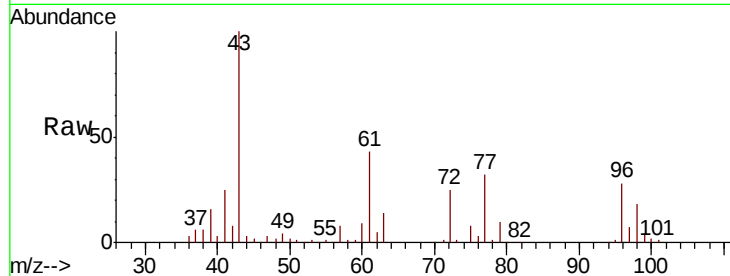
VN0911WBSD01

Tgt Ion: 43 Resp: 300952

Ion Ratio Lower Upper

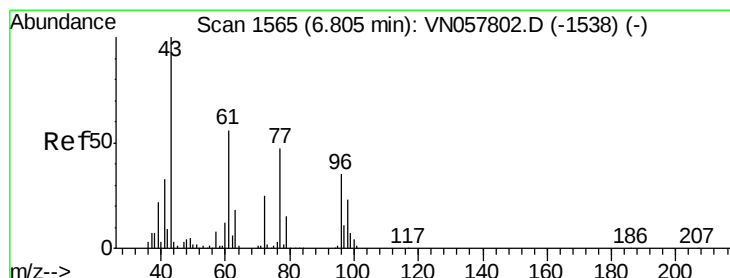
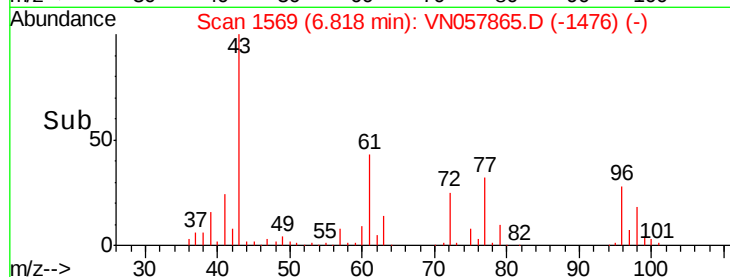
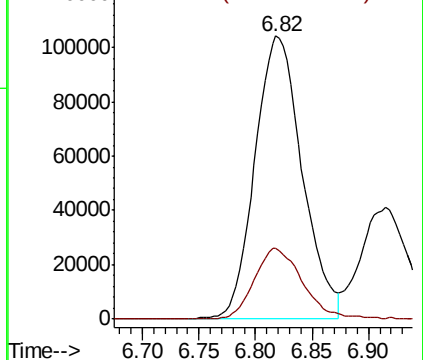
43 100

72 25.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.132 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057865.D

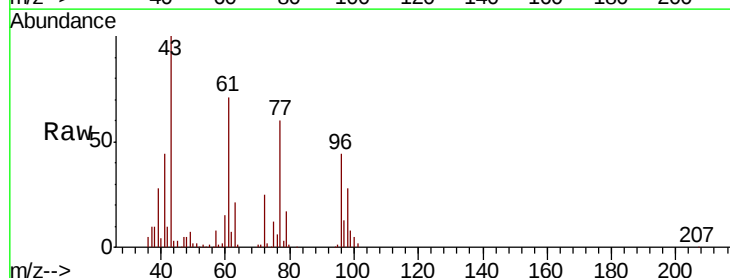
Acq: 10 Sep 2019 16:17

Tgt Ion: 77 Resp: 127797

Ion Ratio Lower Upper

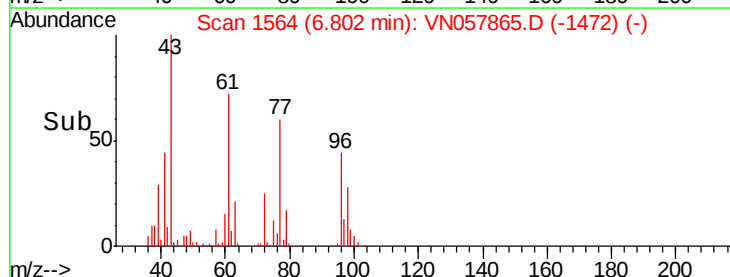
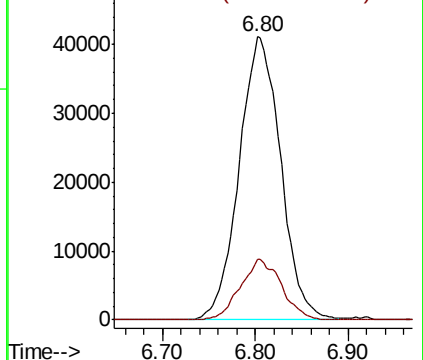
77 100

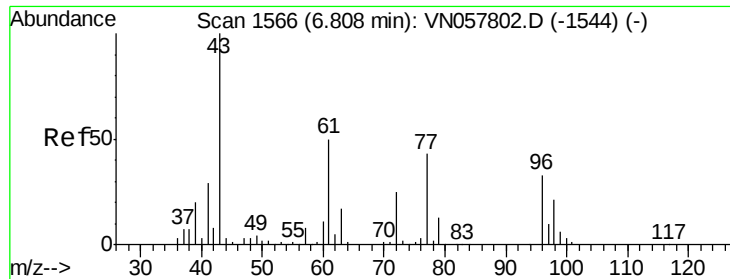
97 21.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

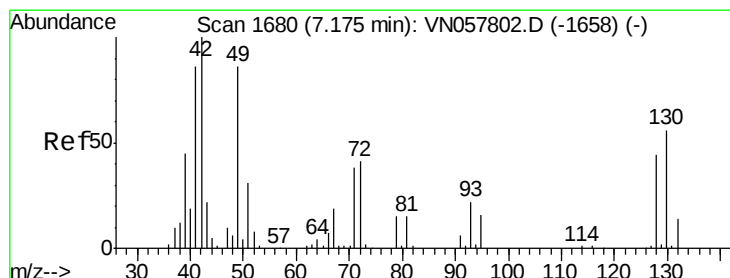
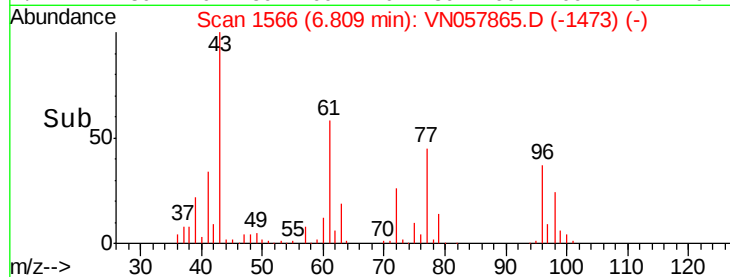
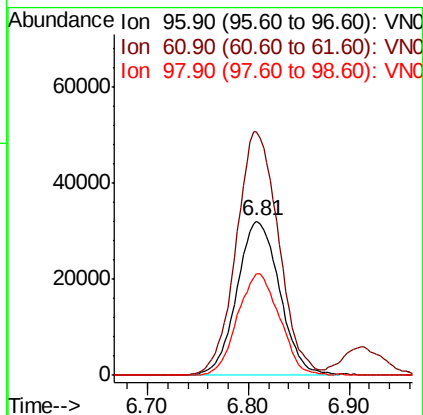
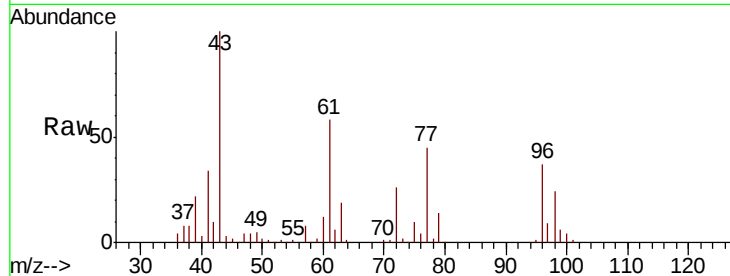




#27
 cis-1,2-Dichloroethene
 Concen: 19.364 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

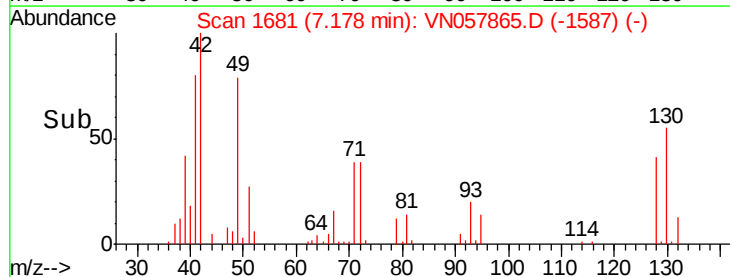
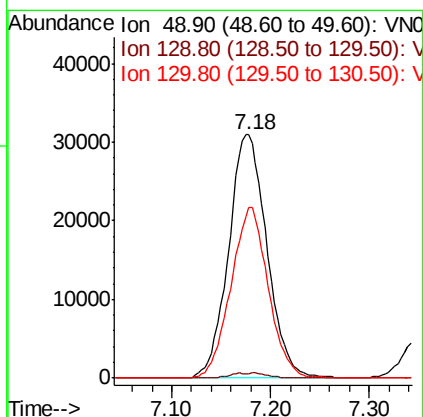
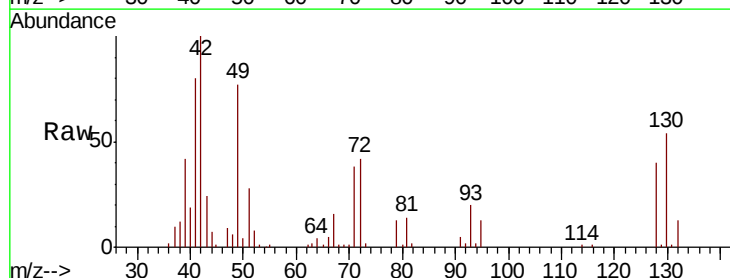
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

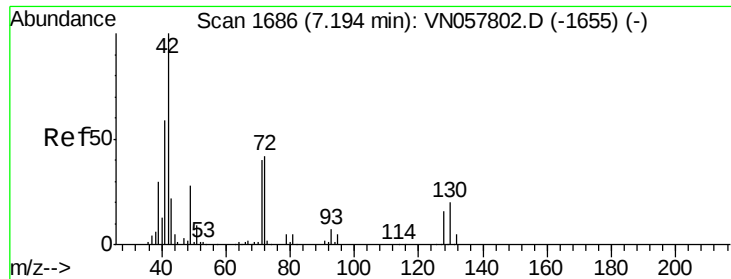
Tgt Ion: 96 Resp: 94400
 Ion Ratio Lower Upper
 96 100
 61 157.0 0.0 314.0
 98 65.0 0.0 128.6



#28
 Bromochloromethane
 Concen: 19.807 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 49 Resp: 83522
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 68.1 53.0 79.6

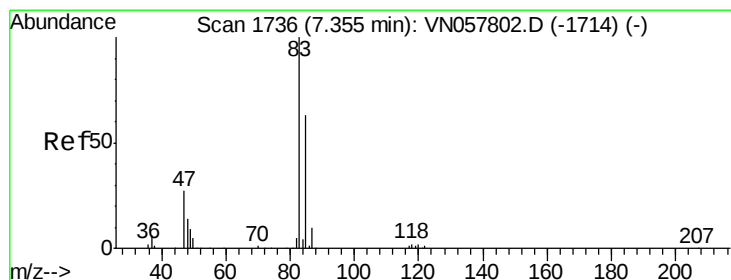
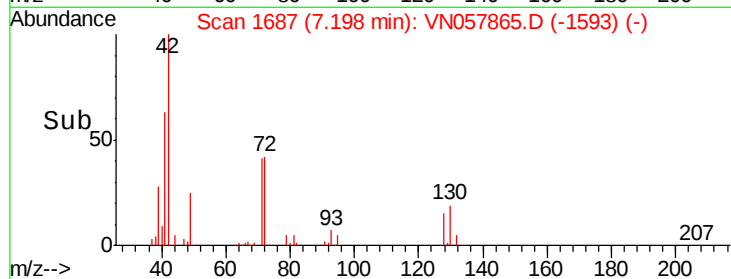
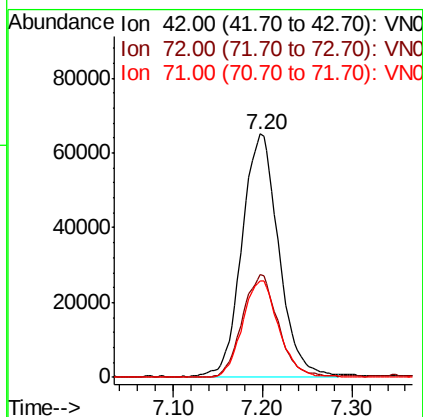
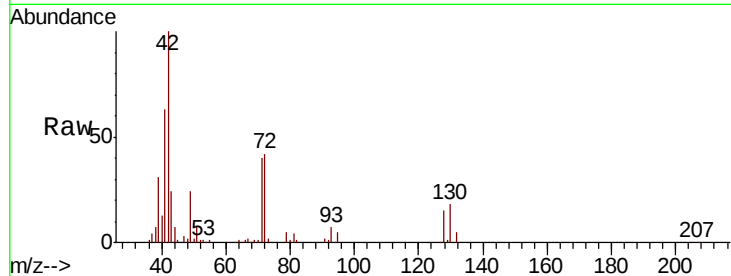




#29
Tetrahydrofuran
Concen: 99.150 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

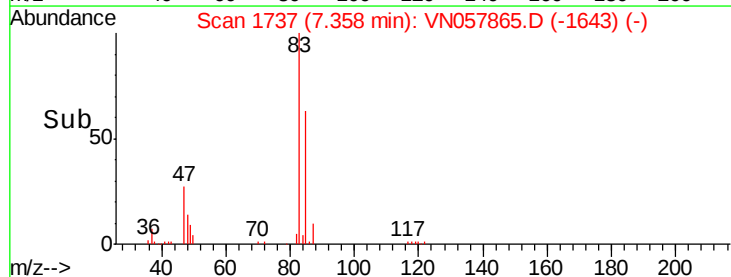
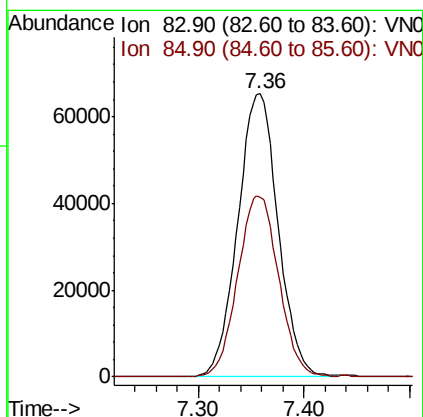
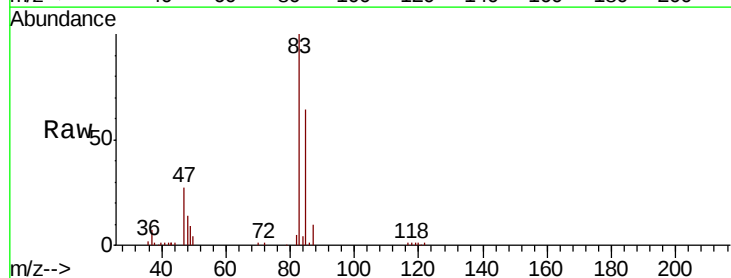
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

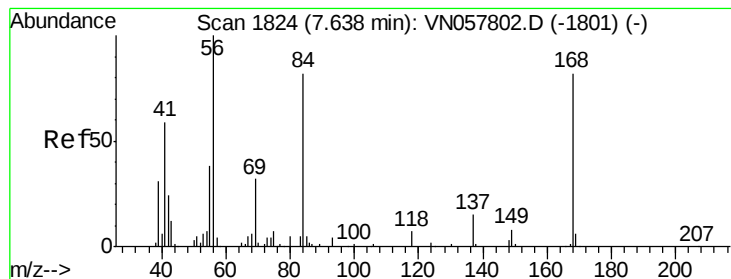
Tgt Ion: 42 Resp: 185555
Ion Ratio Lower Upper
42 100
72 41.4 33.7 50.5
71 39.1 31.9 47.9



#30
Chloroform
Concen: 19.706 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 83 Resp: 173914
Ion Ratio Lower Upper
83 100
85 63.7 50.6 75.8





#31

Cyclohexane

Concen: 19.585 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

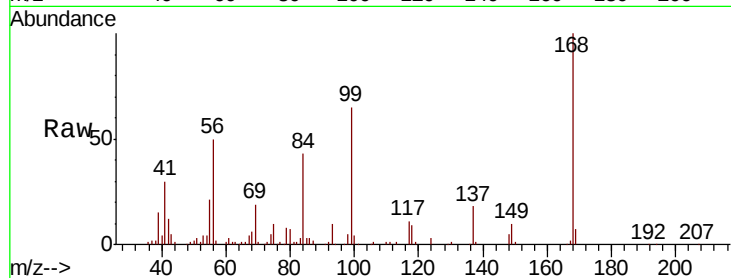
Tgt Ion: 56 Resp: 120476

Ion Ratio Lower Upper

56 100

69 37.2 25.9 38.9

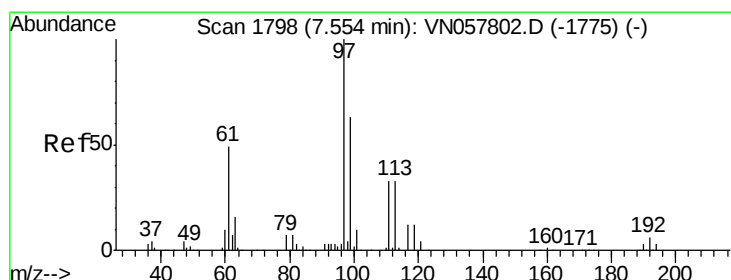
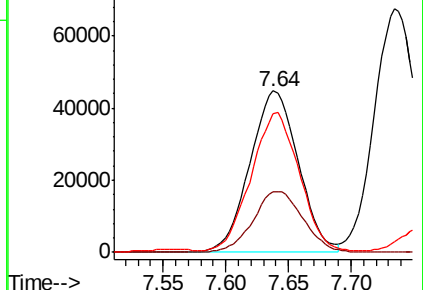
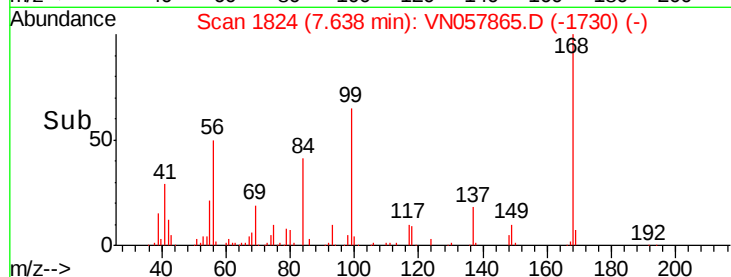
84 84.2 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.174 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

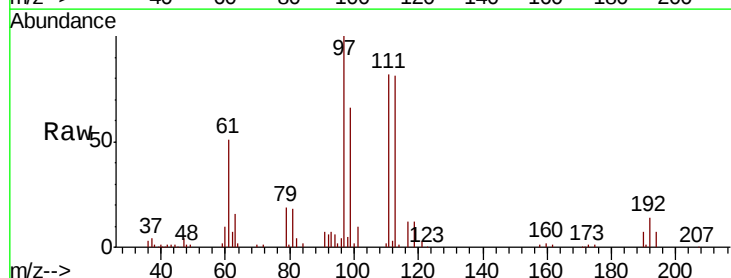
Tgt Ion: 97 Resp: 134206

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

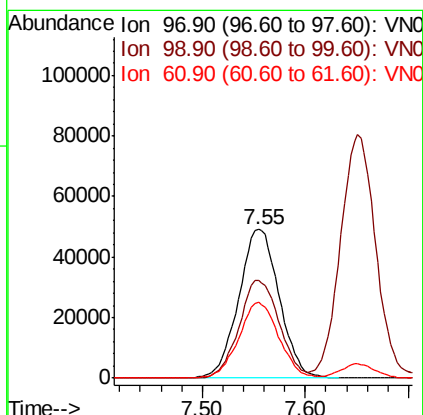
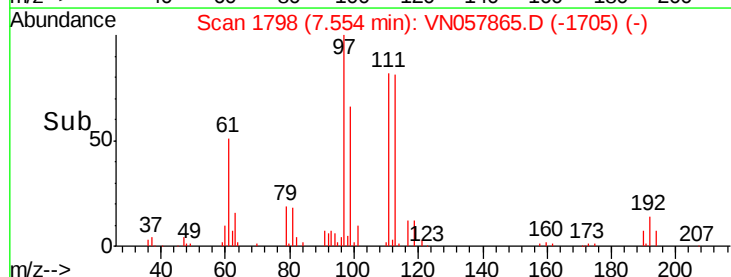
61 50.2 39.0 58.6

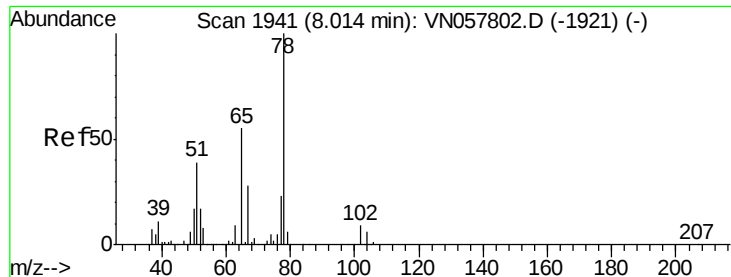


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

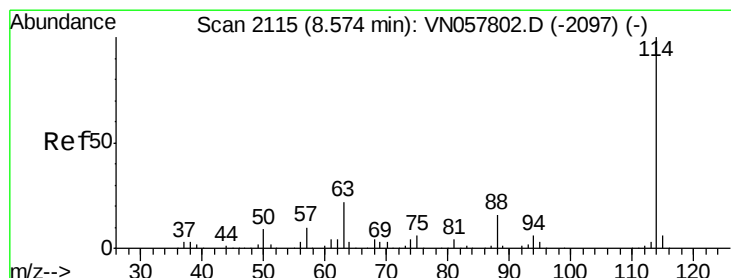
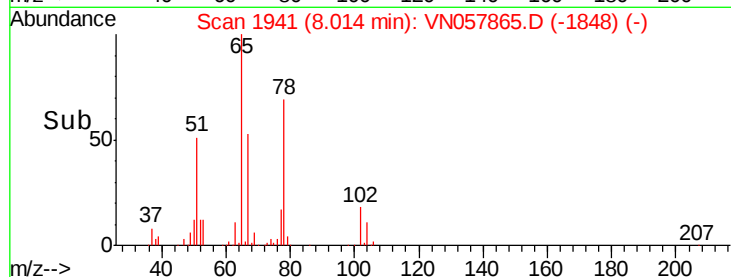
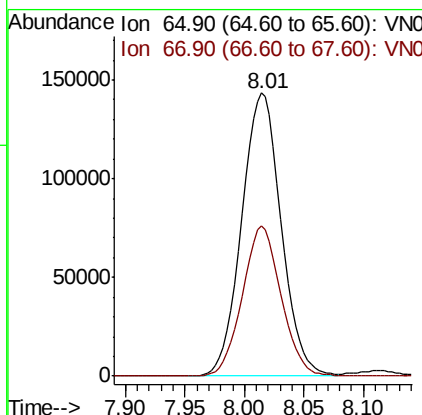
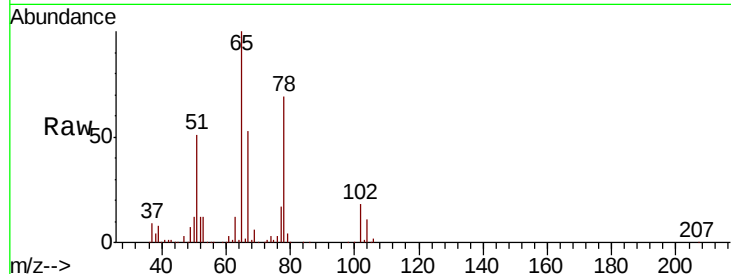




#33
 1,2-Dichloroethane-d4
 Concen: 51.584 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

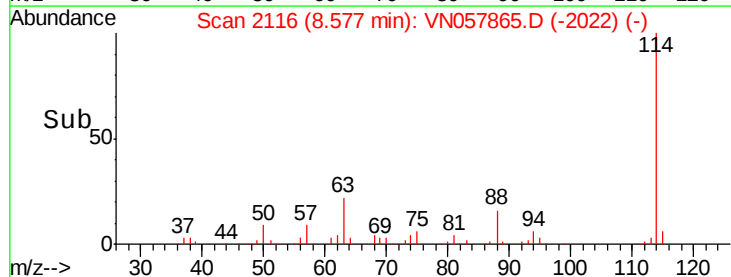
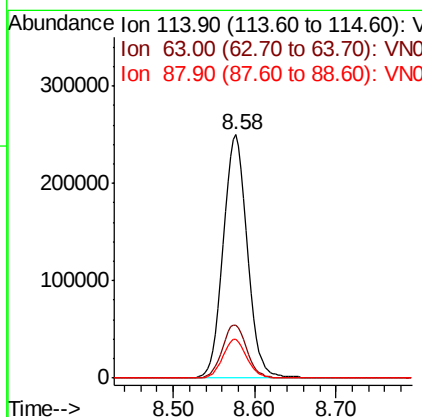
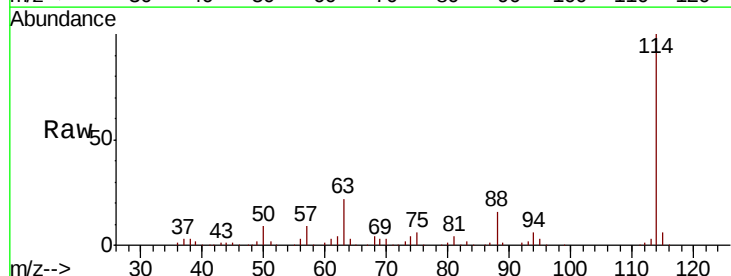
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion: 65 Resp: 330190
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 114 Resp: 524423
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.0
 88 15.9 0.0 31.4

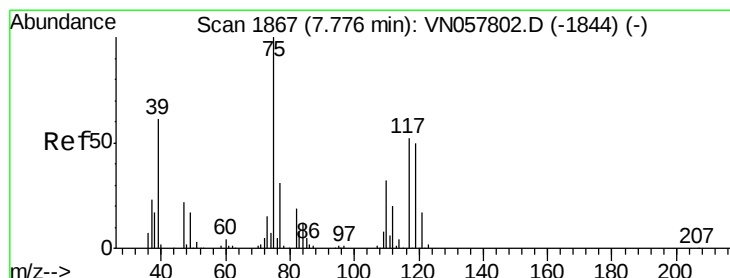
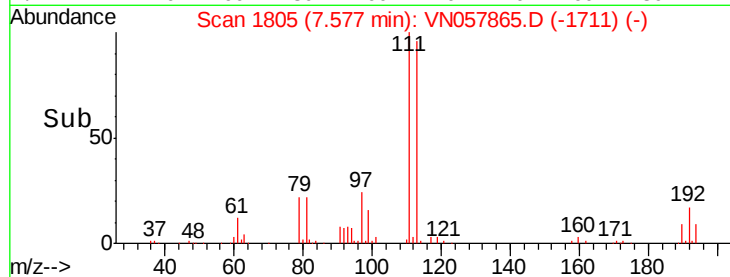
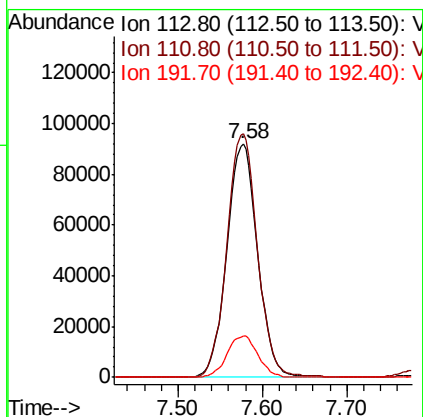
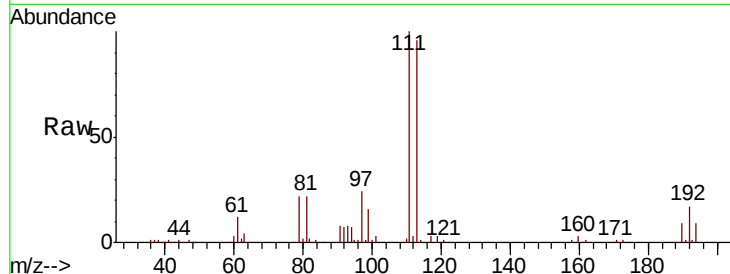




#35
 Dibromofluoromethane
 Concen: 48.285 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

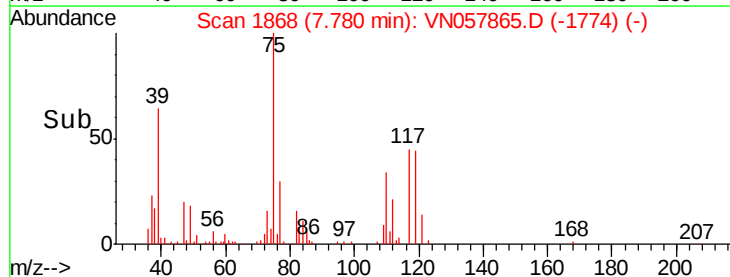
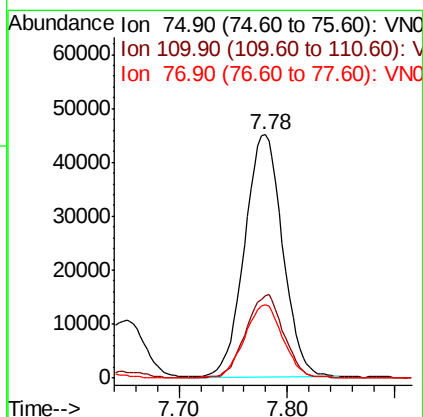
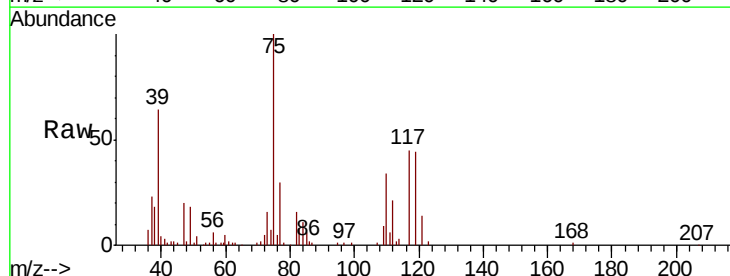
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	17.8	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 18.095 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.3	48.9
77	30.7	25.0	37.4

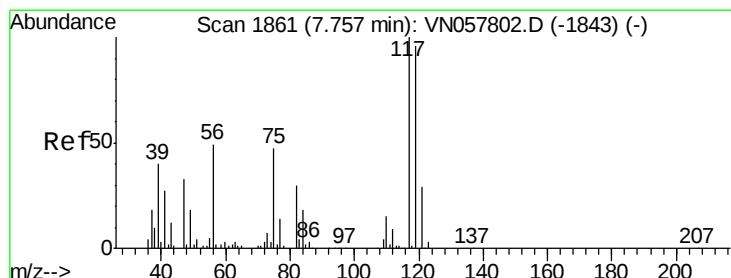
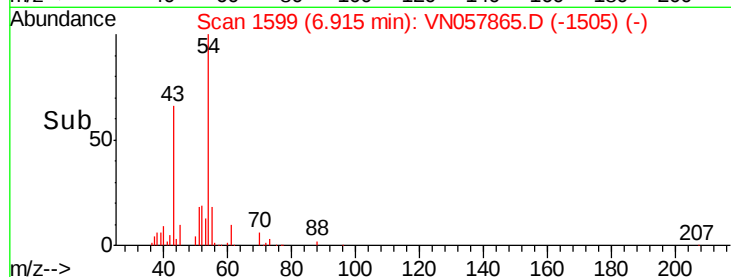
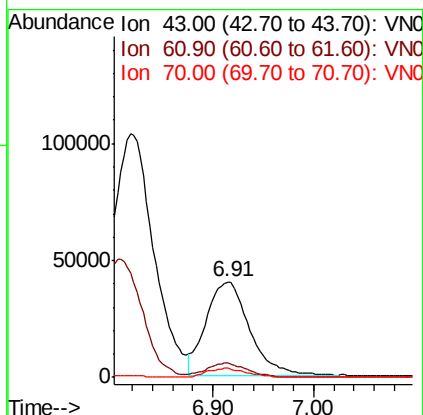
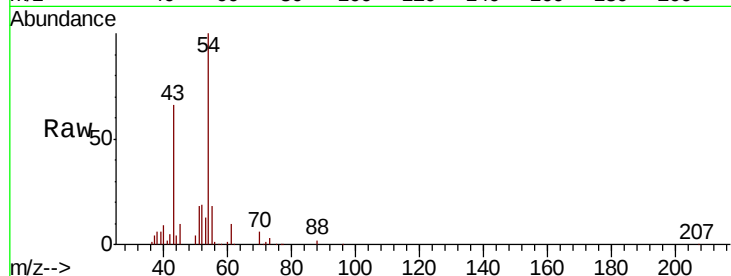




#37
Ethyl Acetate
Concen: 19.230 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

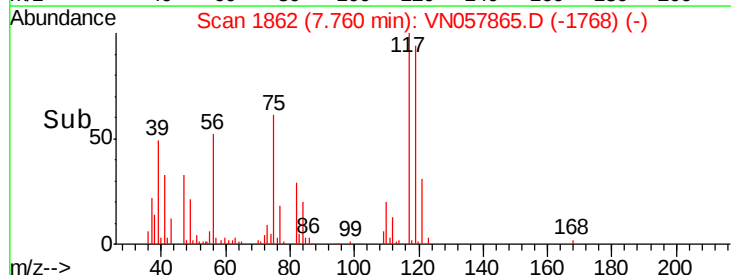
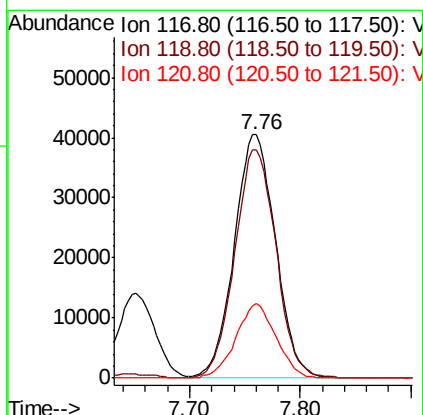
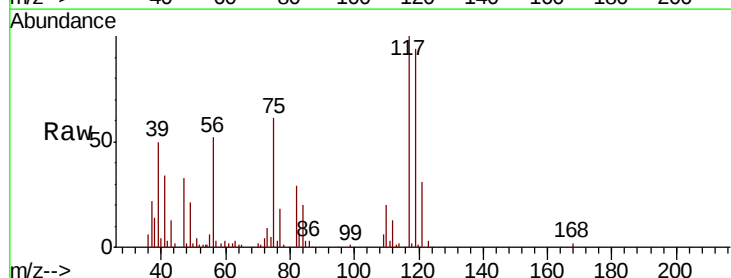
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

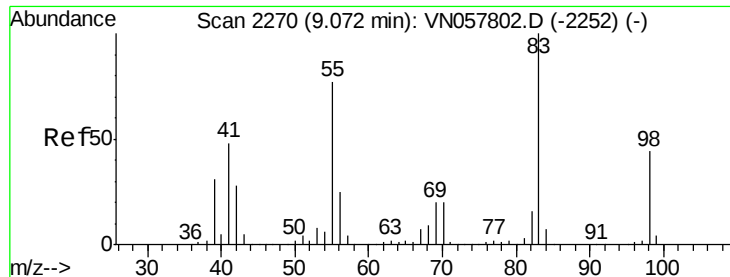
Tgt Ion: 43 Resp: 120834
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 8.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 18.934 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 117 Resp: 105136
Ion Ratio Lower Upper
117 100
119 93.5 76.9 115.3
121 30.5 23.4 35.2

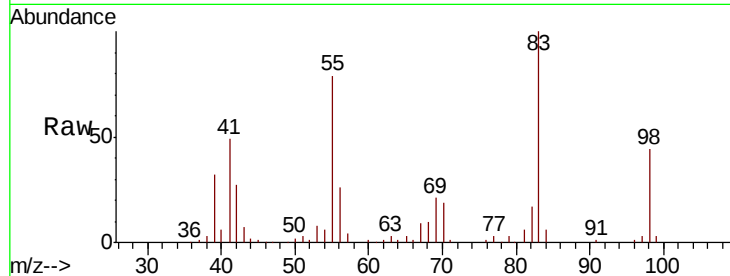




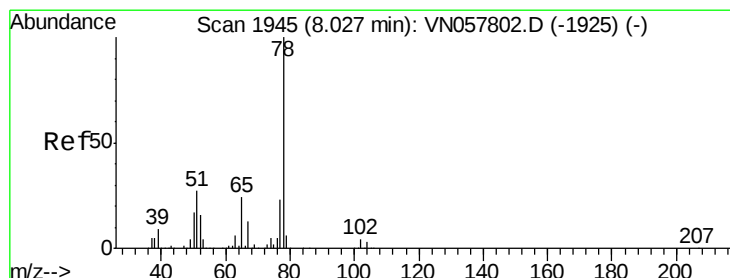
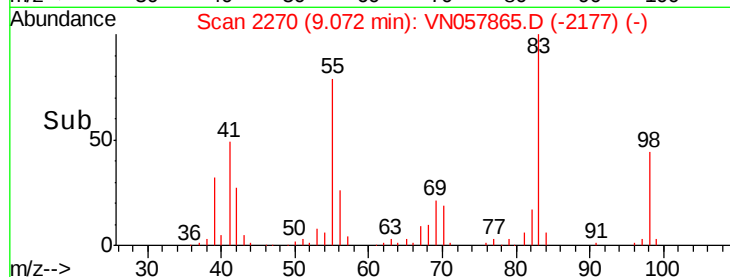
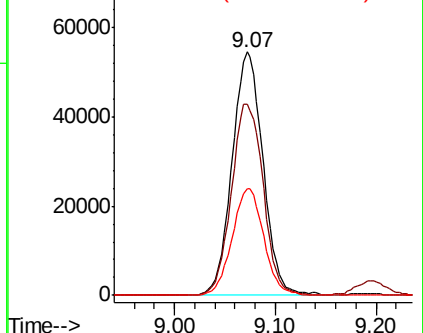
#39
Methylcyclohexane
Concen: 18.210 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tgt Ion: 83 Resp: 116426
Ion Ratio Lower Upper
83 100
55 78.7 61.6 92.4
98 43.8 34.9 52.3

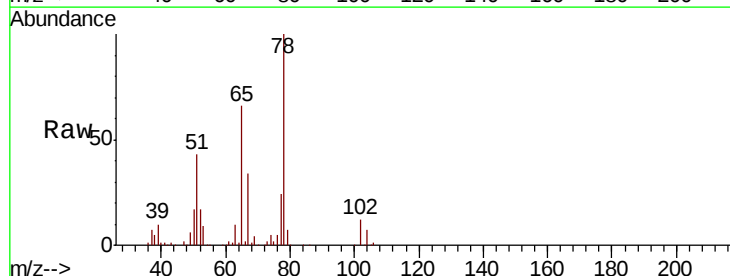


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

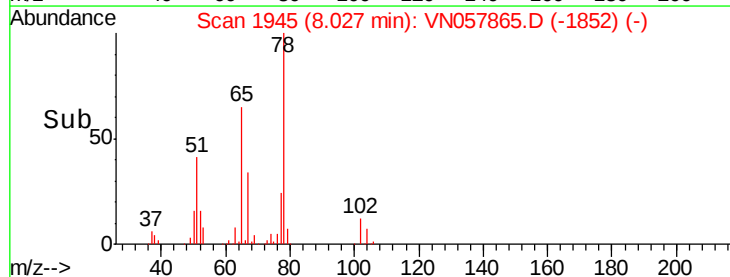
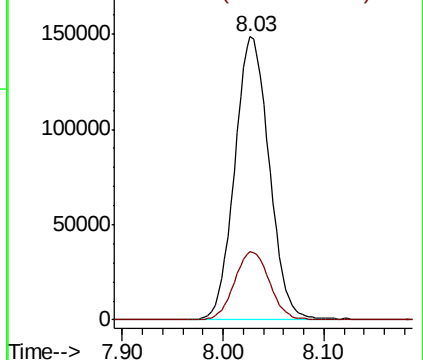


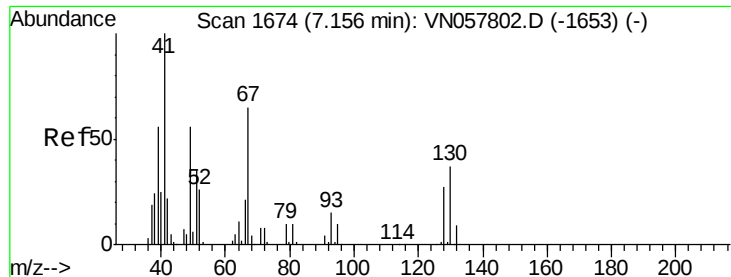
#40
Benzene
Concen: 19.273 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 78 Resp: 352901
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 62.676 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.04 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 41 Resp: 178778

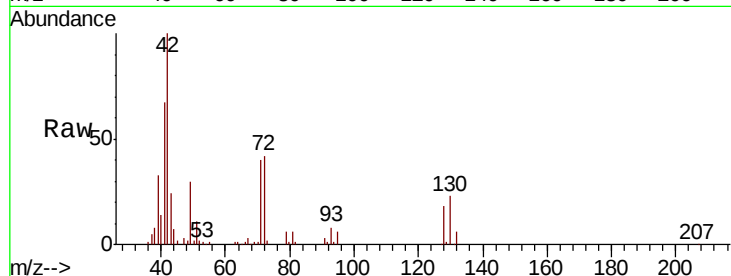
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

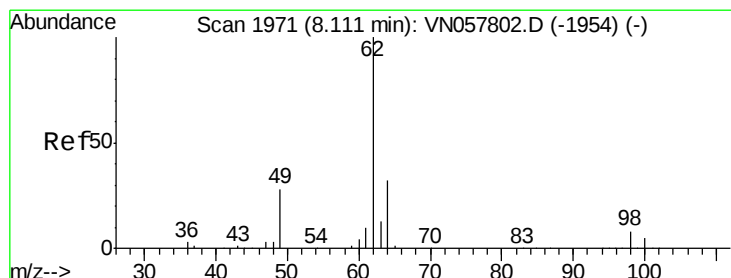
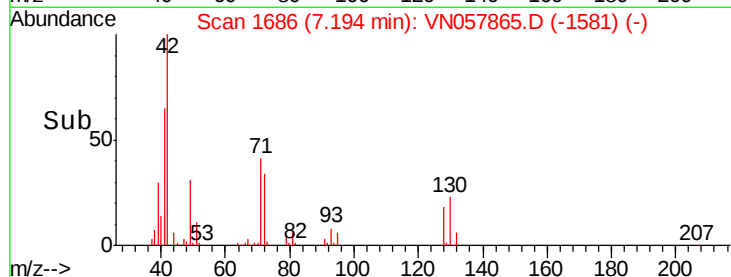
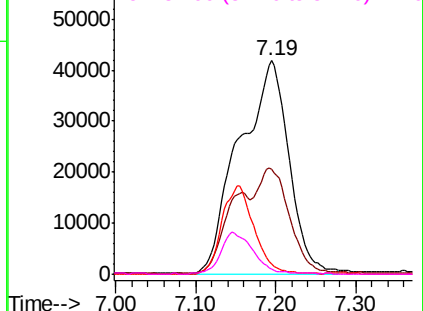


Abundance Ion 41.00 (40.70 to 41.70): VN0

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



#42

1,2-Dichloroethane

Concen: 19.400 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057865.D

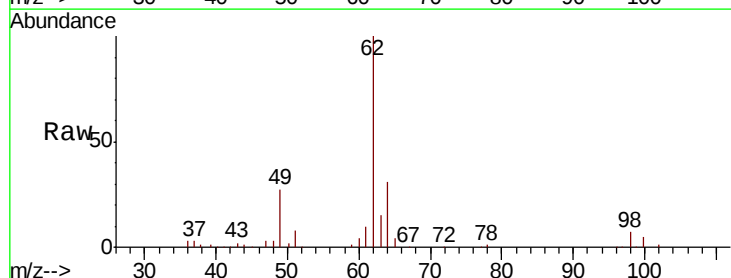
Acq: 10 Sep 2019 16:17

Tgt Ion: 62 Resp: 142067

Ion Ratio Lower Upper

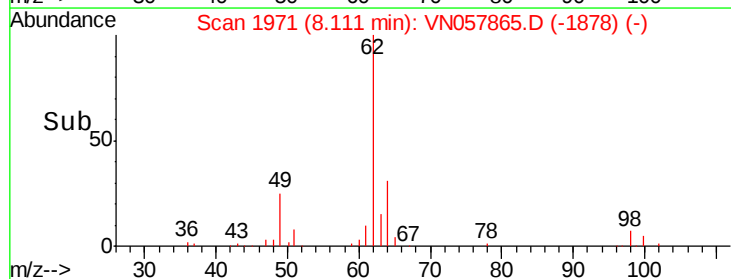
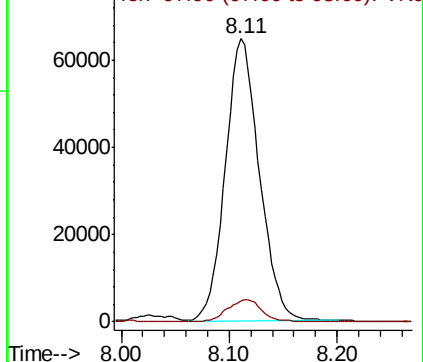
62 100

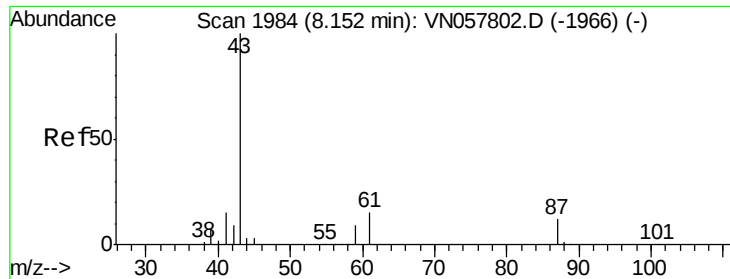
98 8.0 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.543 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

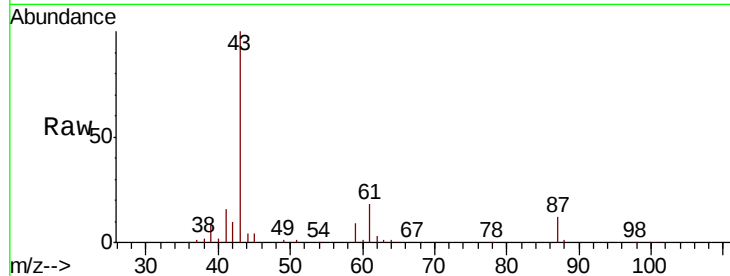
Tgt Ion: 43 Resp: 217079

Ion Ratio Lower Upper

43 100

61 16.5 20.1 30.1#

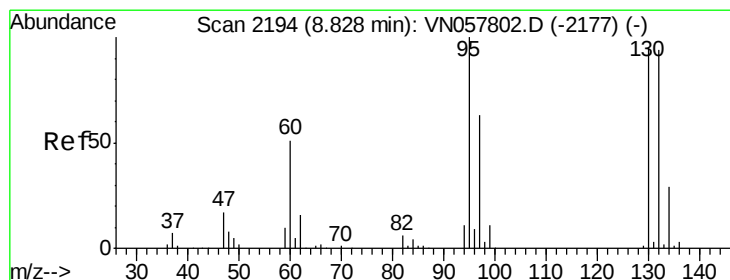
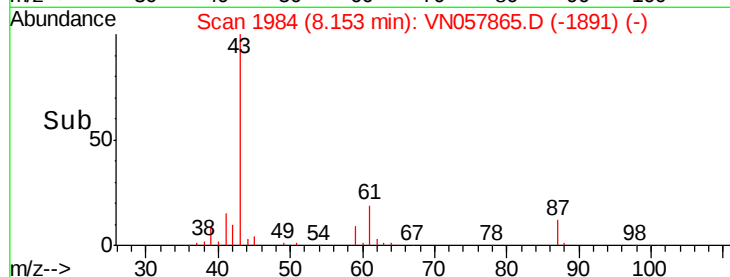
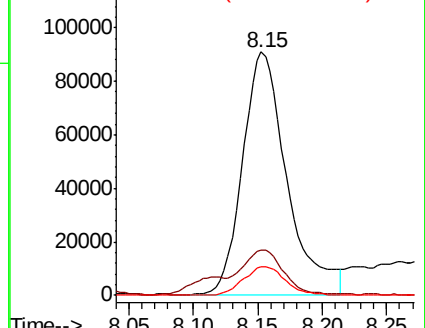
87 11.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 19.223 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057865.D

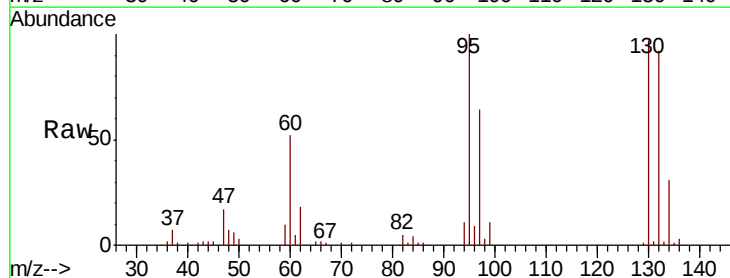
Acq: 10 Sep 2019 16:17

Tgt Ion: 130 Resp: 86330

Ion Ratio Lower Upper

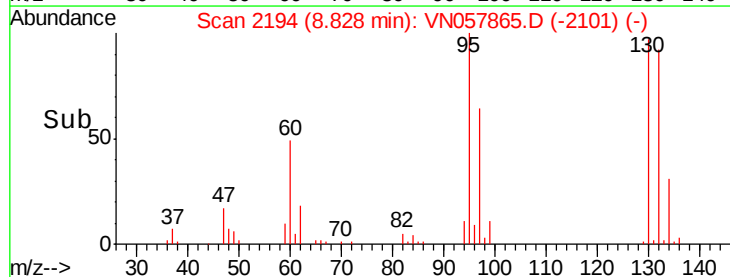
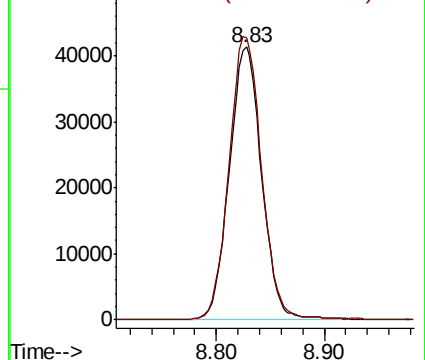
130 100

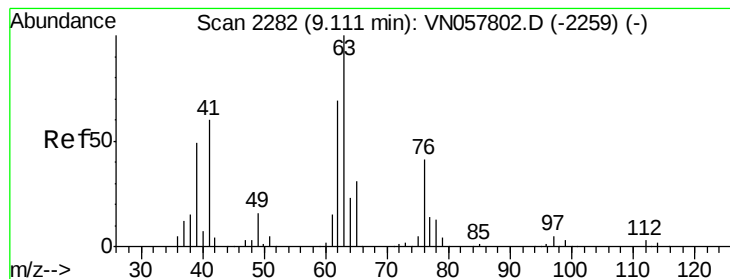
95 103.1 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 19.701 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

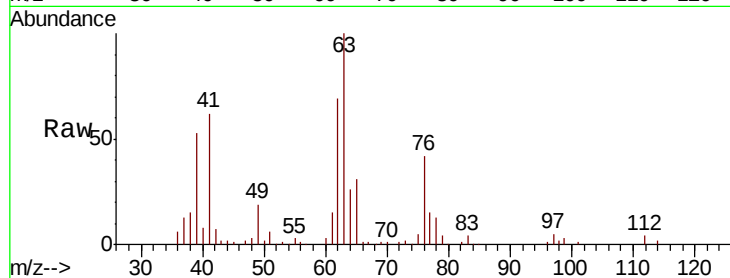
VN0911WBSD01

Tgt Ion: 63 Resp: 104967

Ion Ratio Lower Upper

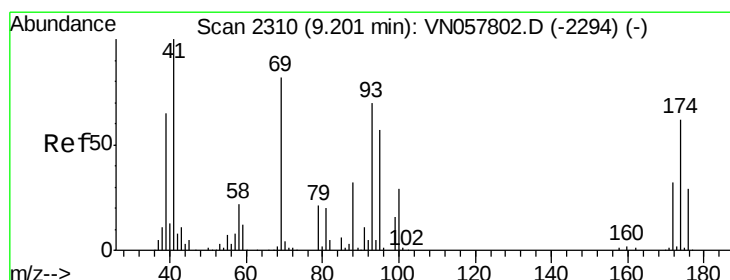
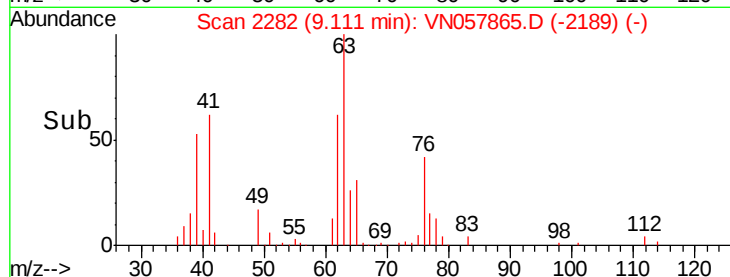
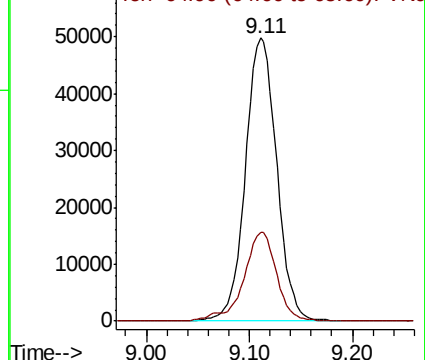
63 100

65 31.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.602 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

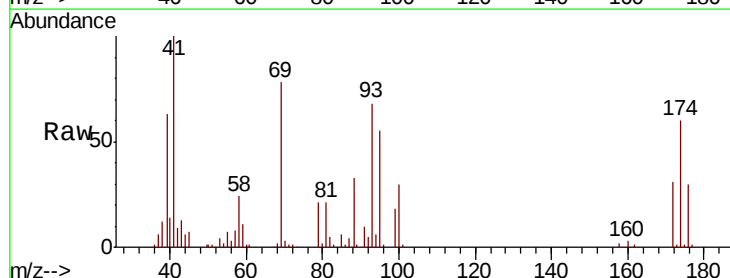
Tgt Ion: 93 Resp: 63113

Ion Ratio Lower Upper

93 100

95 81.3 65.9 98.9

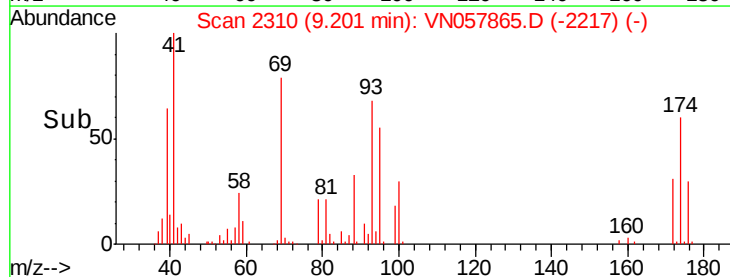
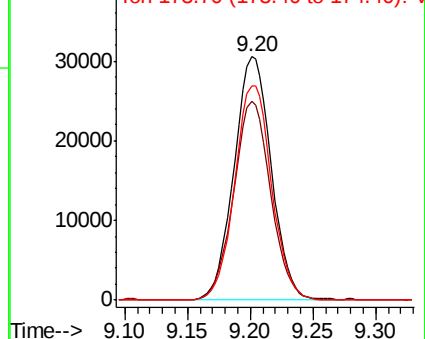
174 87.5 71.8 107.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.311 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

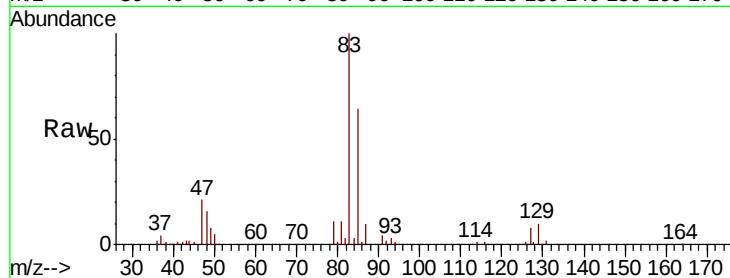
Tgt Ion: 83 Resp: 124154

Ion Ratio Lower Upper

83 100

85 64.4 49.9 74.9

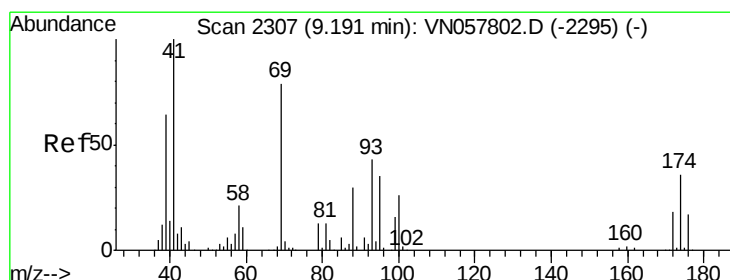
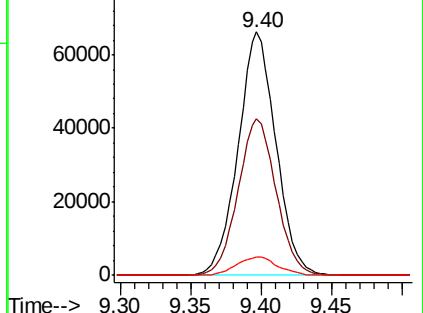
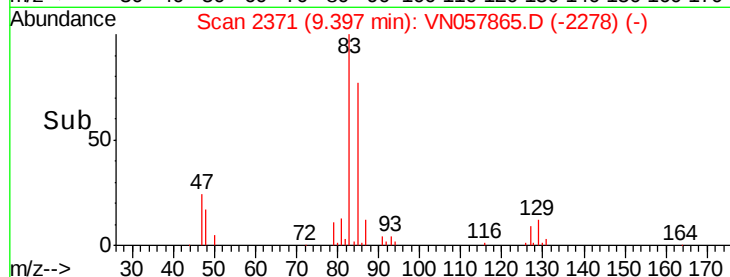
127 7.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.493 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

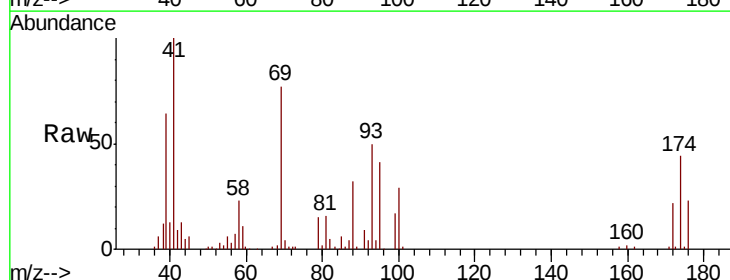
Tgt Ion: 41 Resp: 99132

Ion Ratio Lower Upper

41 100

69 79.1 62.7 94.1

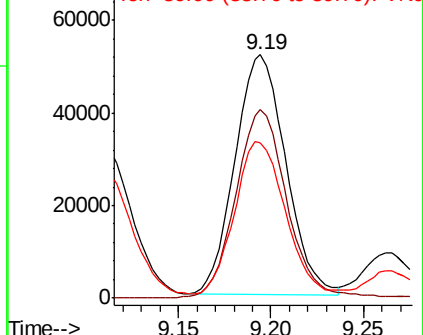
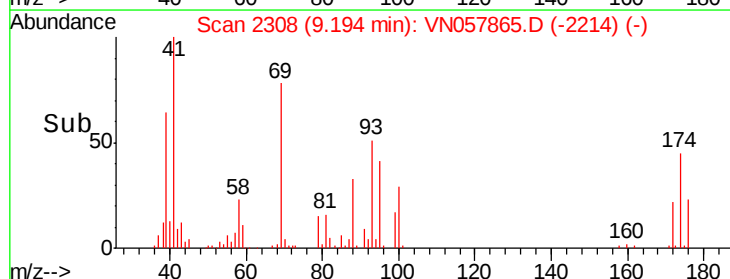
39 65.7 52.7 79.1

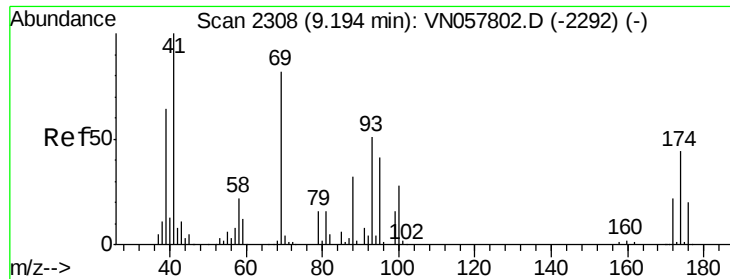


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

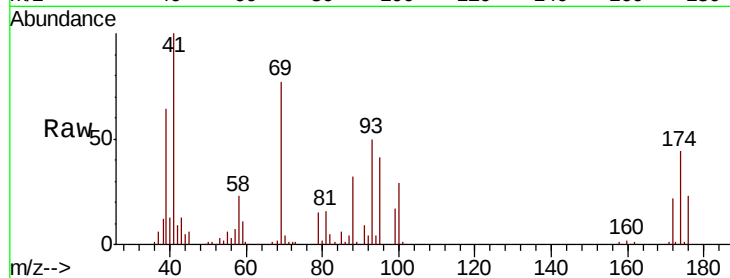




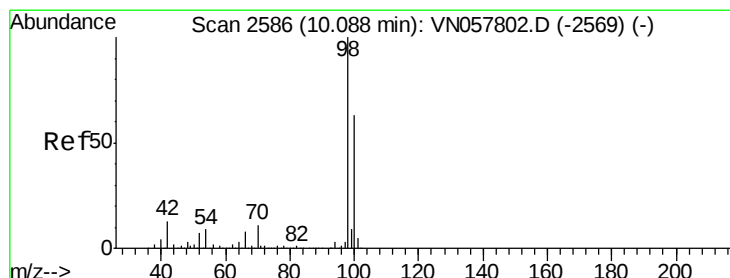
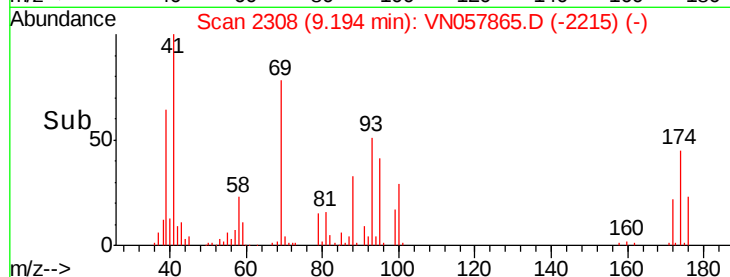
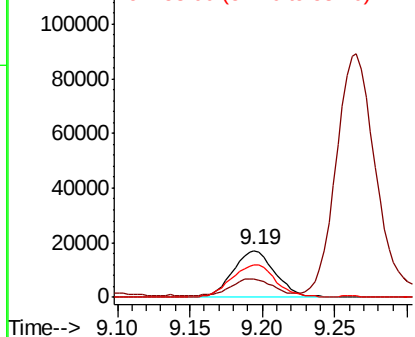
#49
 1,4-Dioxane
 Concen: 381.637 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion: 88 Resp: 34595
 Ion Ratio Lower Upper
 88 100
 43 36.4 28.5 42.7
 58 73.4 55.8 83.6

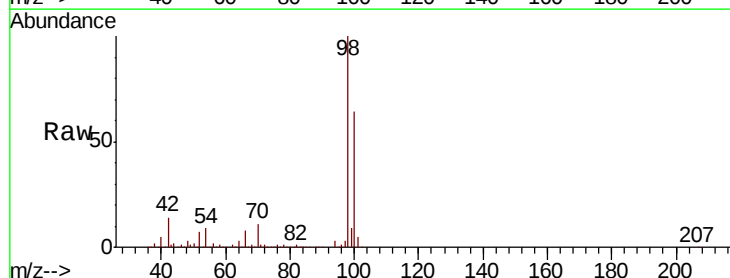


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

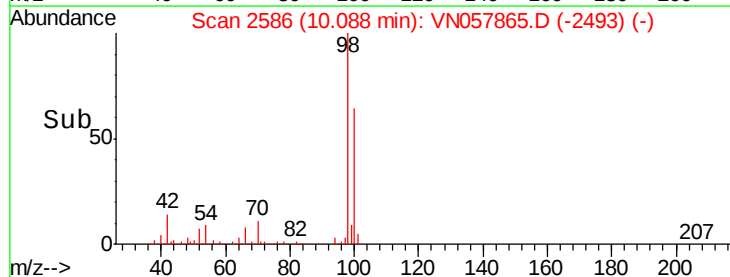
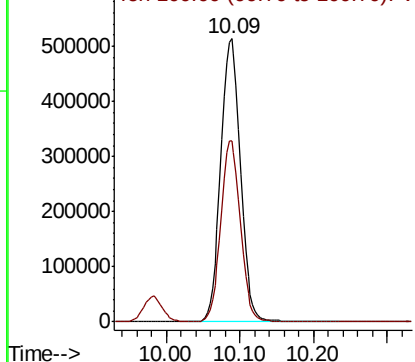


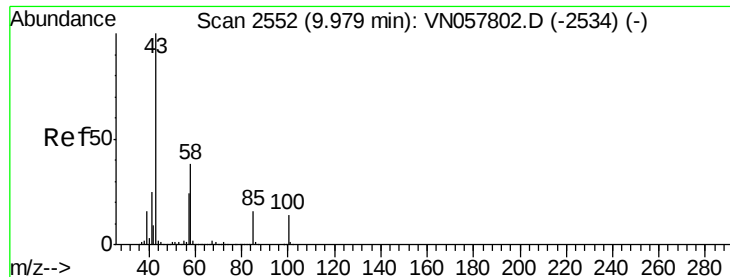
#50
 Toluene-d8
 Concen: 51.091 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 98 Resp: 960118
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.3 75.5



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

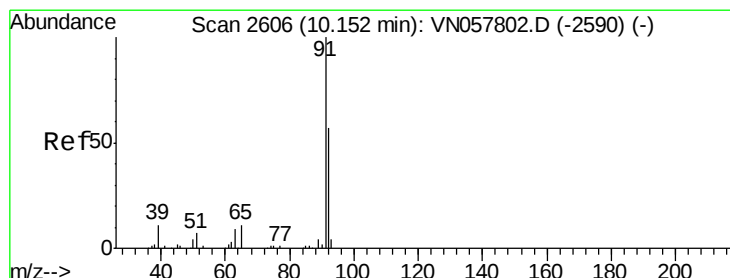
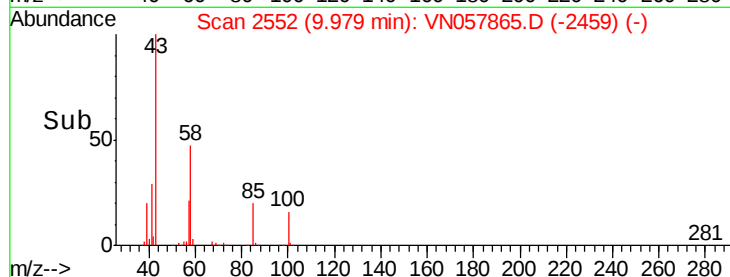
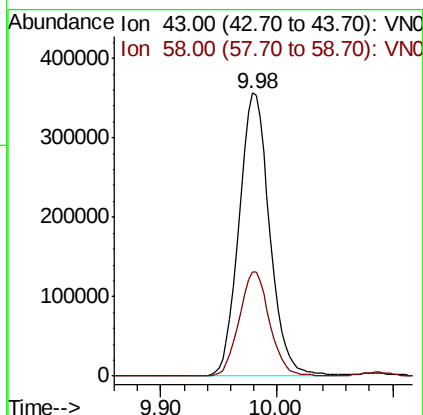
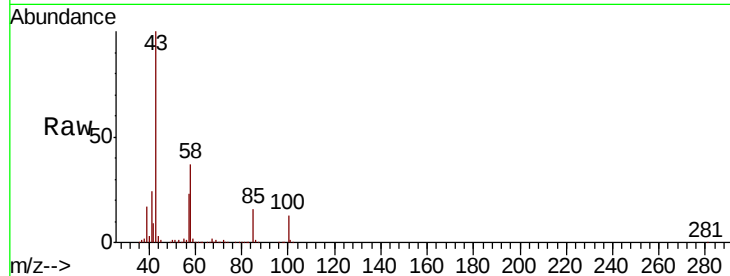




#51
 4-Methyl-2-Pentanone
 Concen: 104.054 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

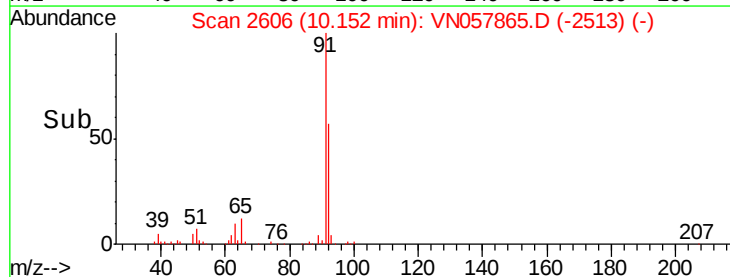
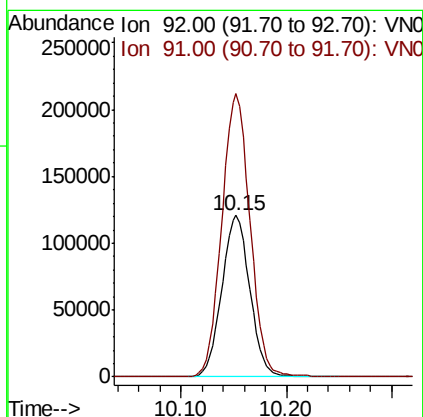
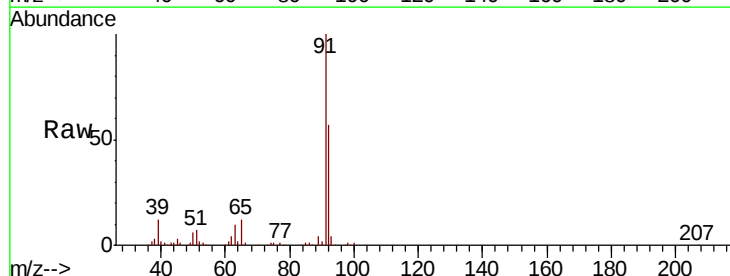
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

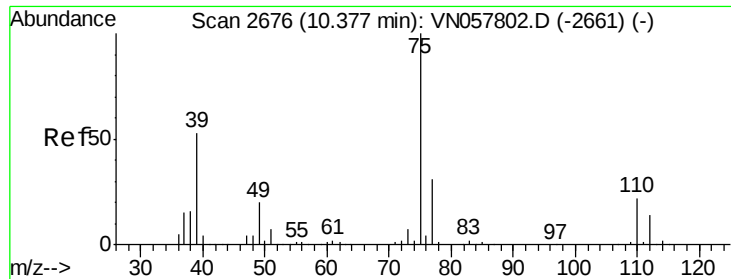
Tgt Ion: 43 Resp: 650686
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.8 44.6



#52
 Toluene
 Concen: 19.300 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 92 Resp: 222584
 Ion Ratio Lower Upper
 92 100
 91 176.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 18.815 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

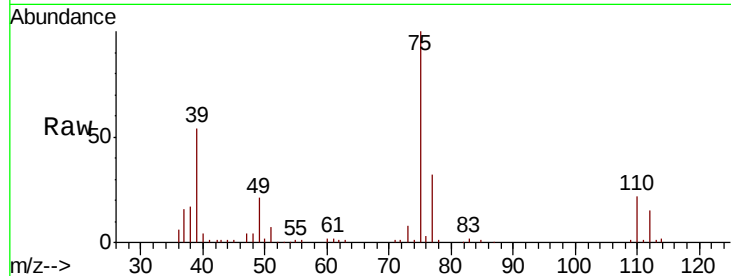
VN0911WBSD01

Tgt Ion: 75 Resp: 127385

Ion Ratio Lower Upper

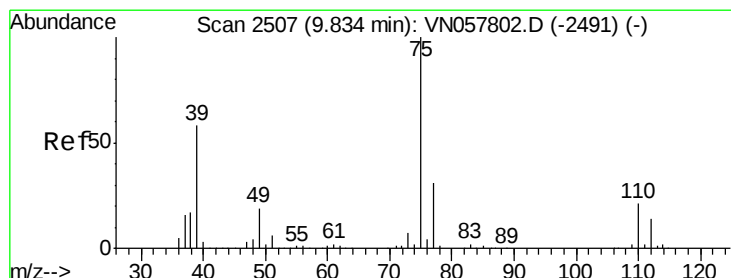
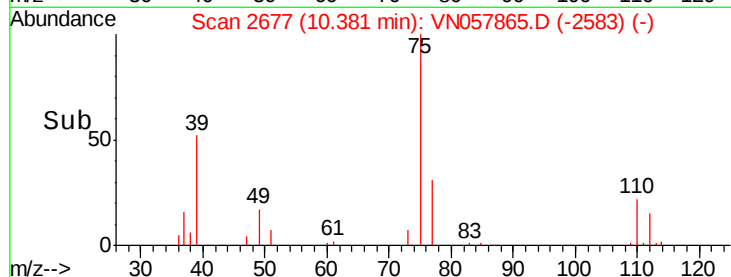
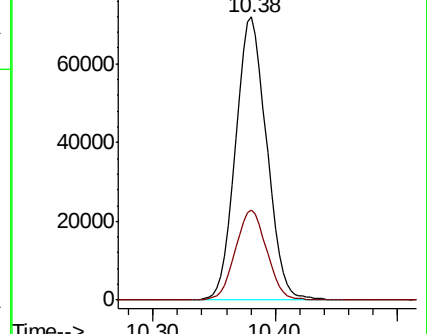
75 100

77 31.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.203 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

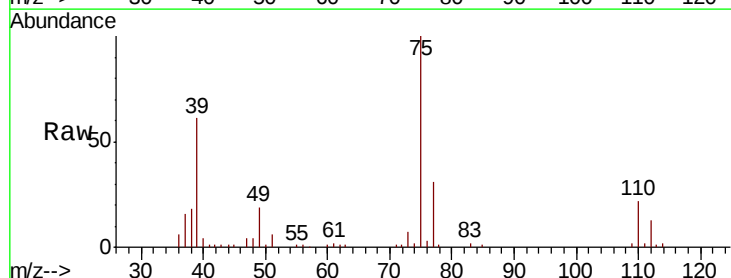
Tgt Ion: 75 Resp: 143544

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

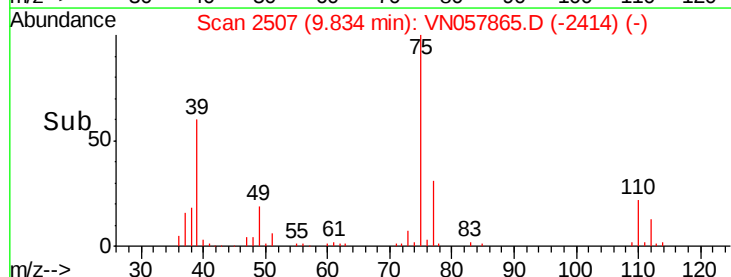
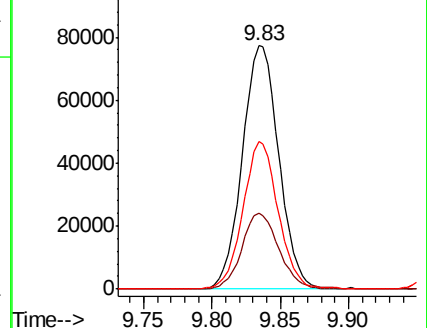
39 60.3 46.2 69.4

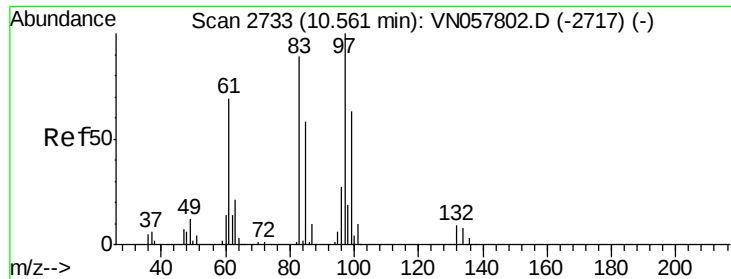


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.682 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 97 Resp: 96150

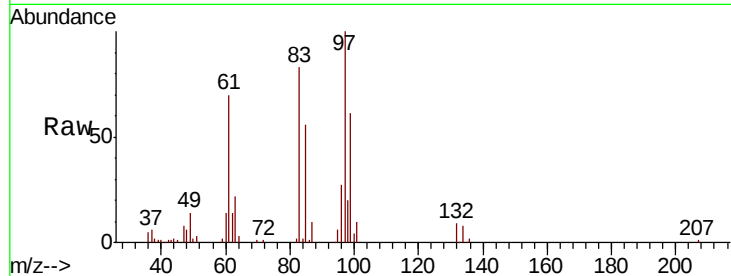
Ion Ratio Lower Upper

97 100

83 83.0 70.8 106.2

85 55.6 46.0 69.0

99 61.3 50.6 76.0



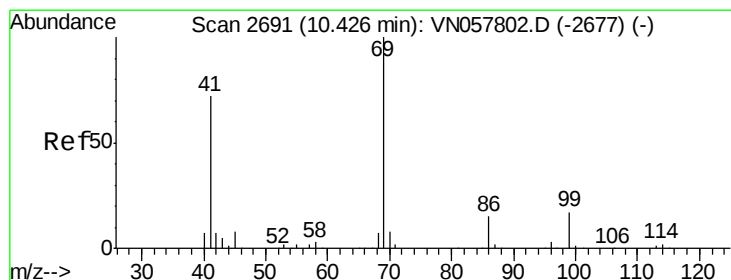
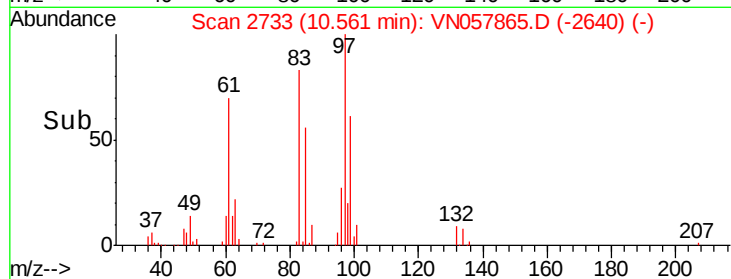
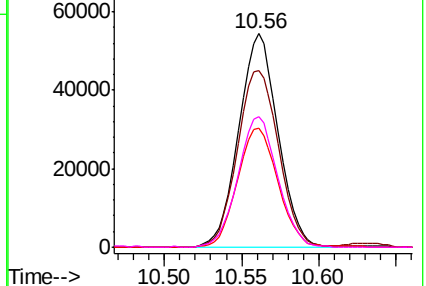
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.986 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

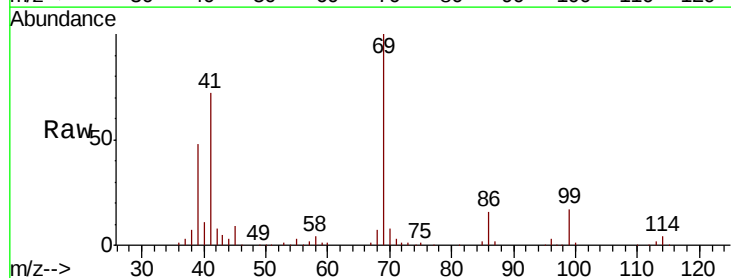
Tgt Ion: 69 Resp: 139670

Ion Ratio Lower Upper

69 100

41 72.3 56.7 85.1

39 48.3 36.3 54.5

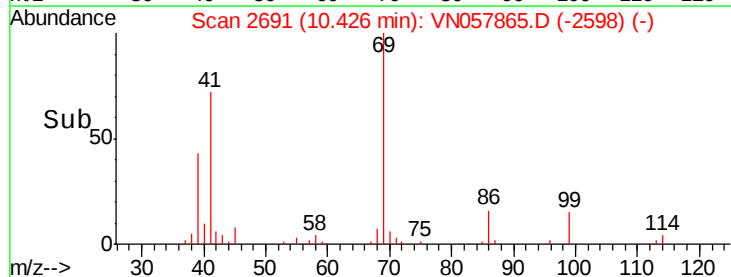
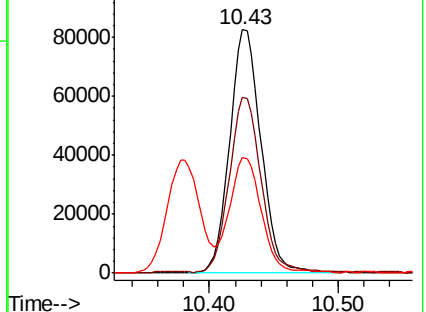


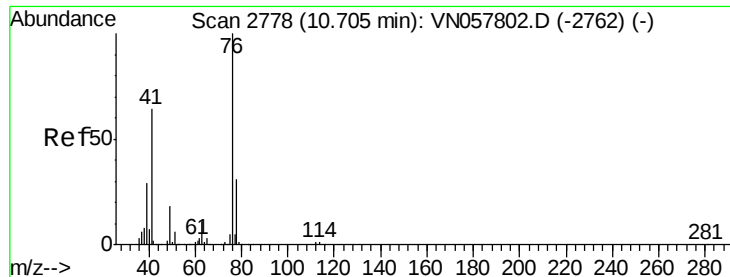
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.895 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

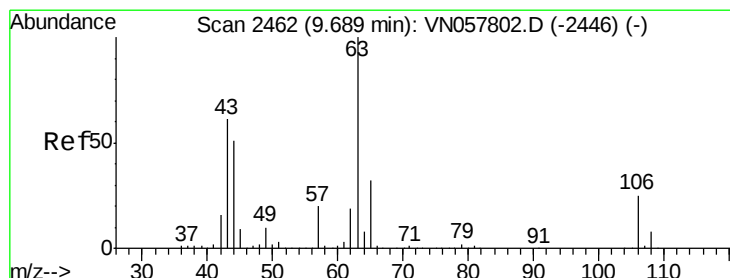
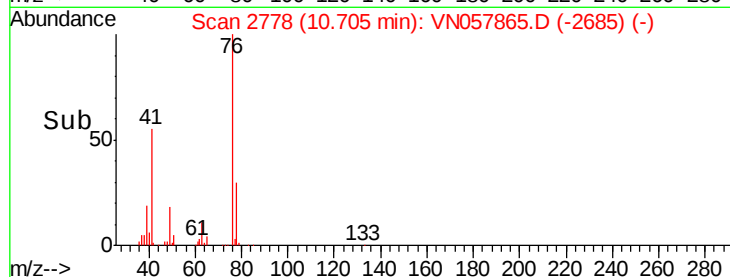
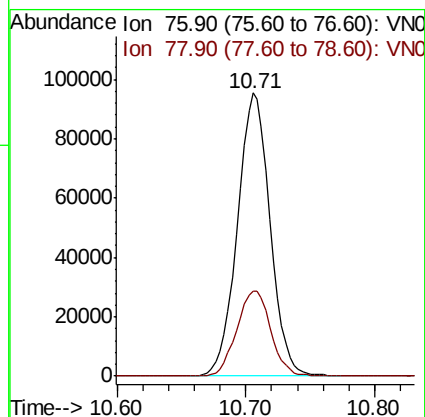
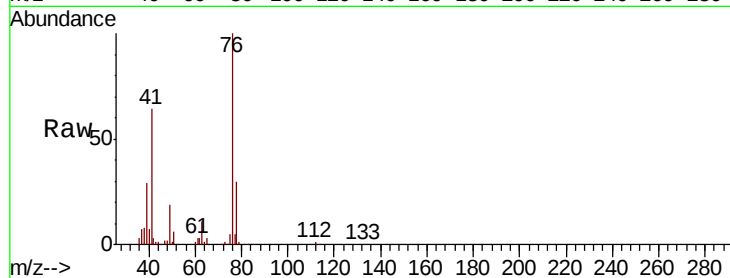
VN0911WBSD01

Tgt Ion: 76 Resp: 167493

Ion Ratio Lower Upper

76 100

78 31.3 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 97.889 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057865.D

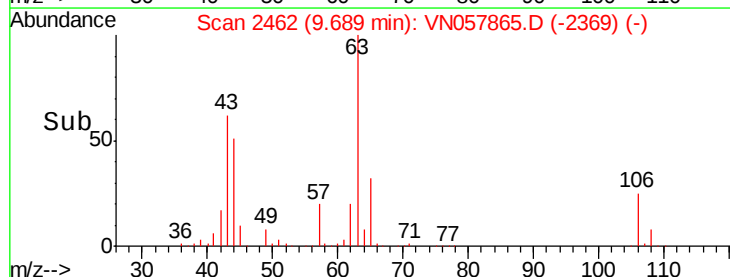
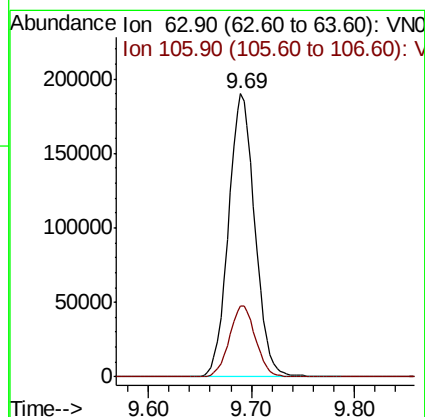
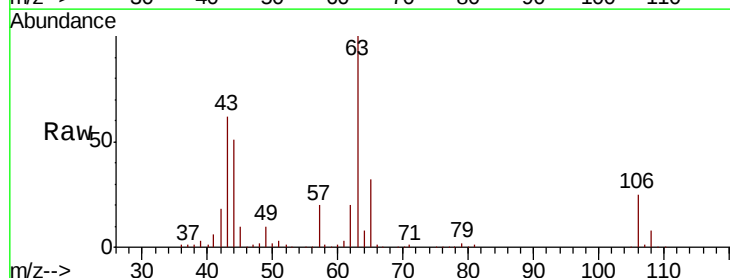
Acq: 10 Sep 2019 16:17

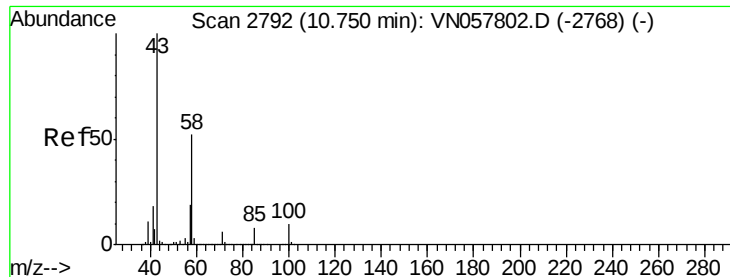
Tgt Ion: 63 Resp: 339168

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0

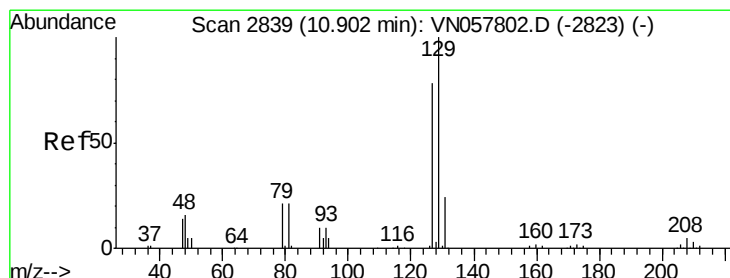
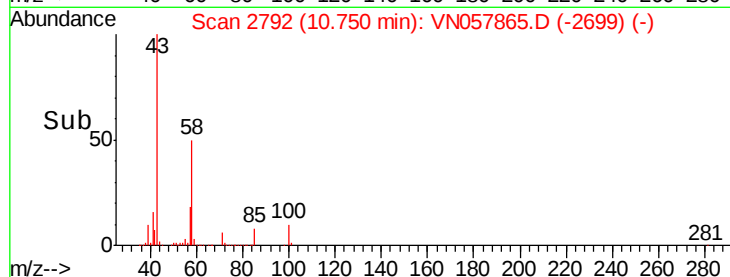
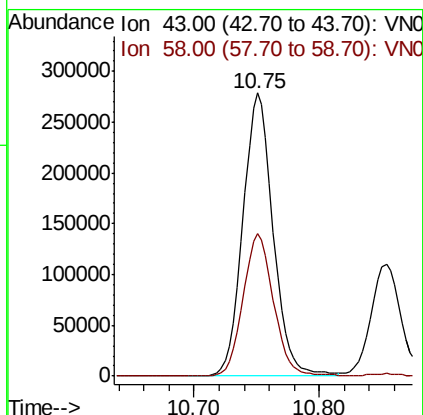
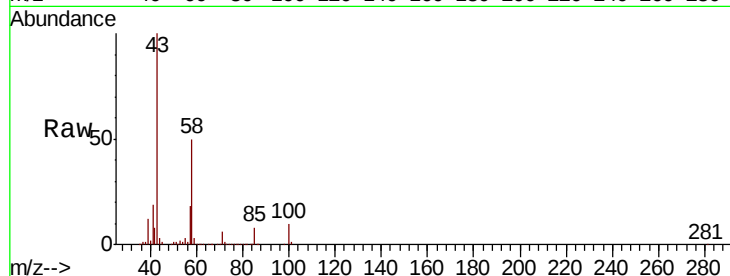




#59
2-Hexanone
Concen: 99.287 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

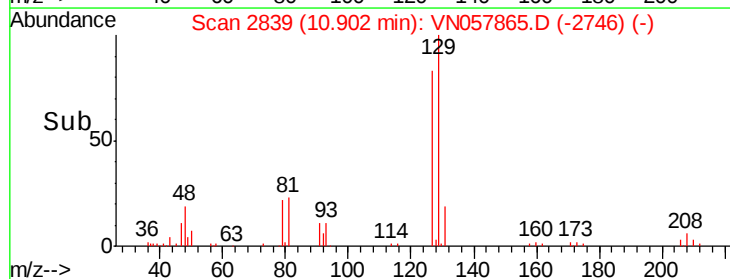
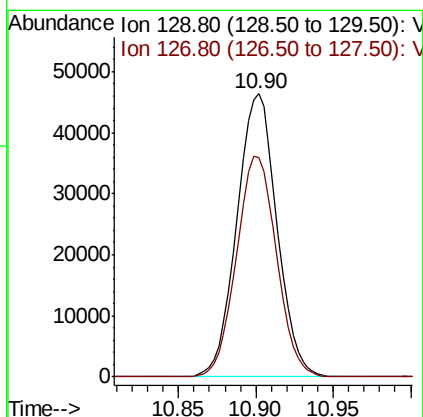
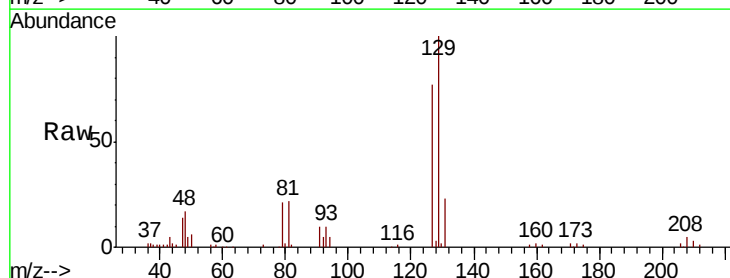
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

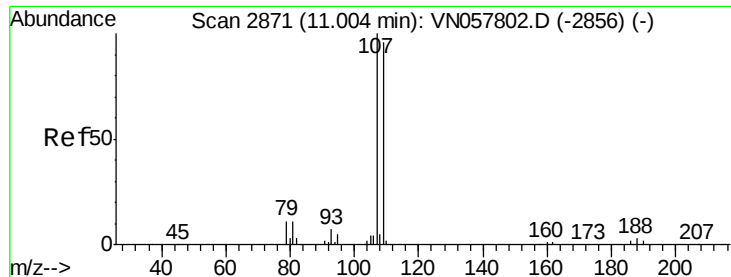
Tgt Ion: 43 Resp: 465374
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8



#60
Dibromochloromethane
Concen: 18.428 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 129 Resp: 83593
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.345 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

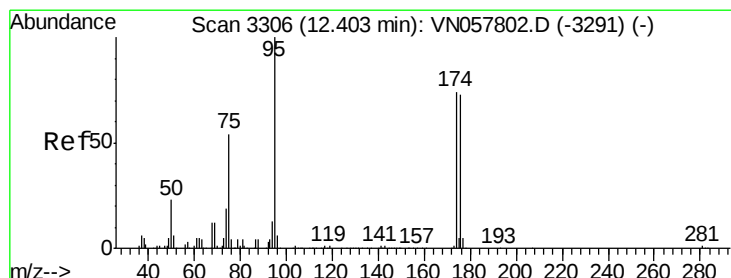
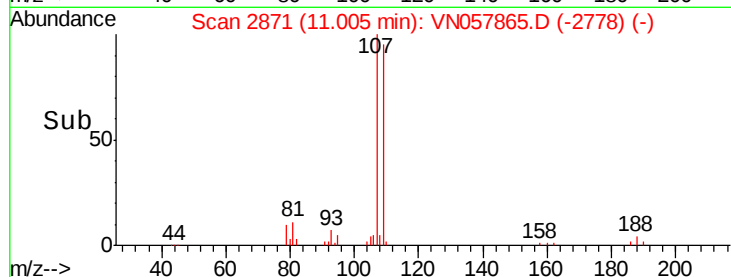
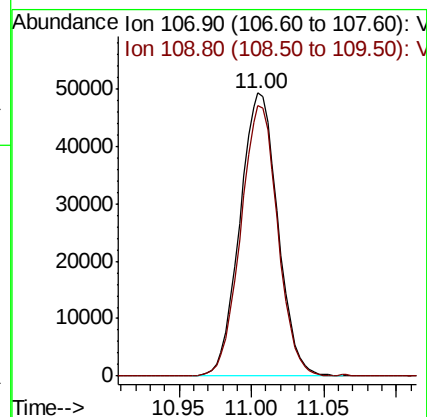
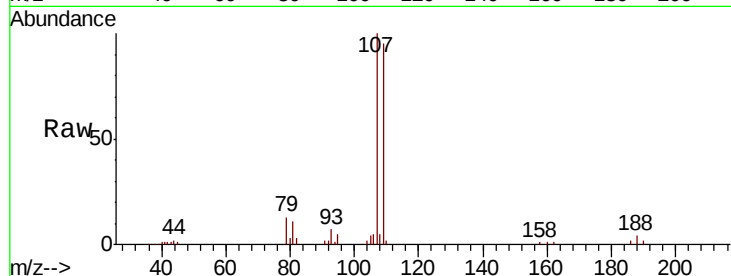
VN0911WBSD01

Tgt Ion: 107 Resp: 89343

Ion Ratio Lower Upper

107 100

109 93.3 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 45.875 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

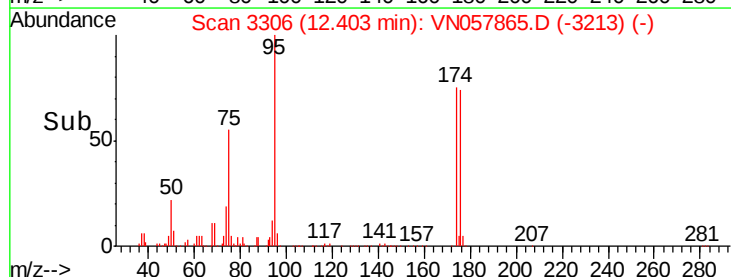
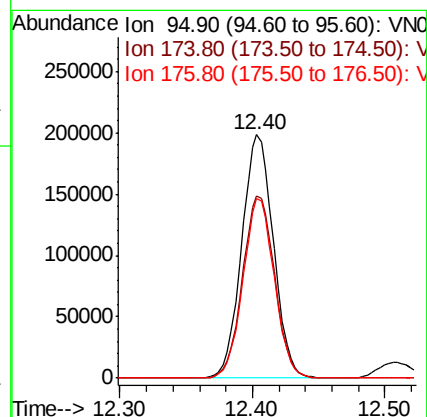
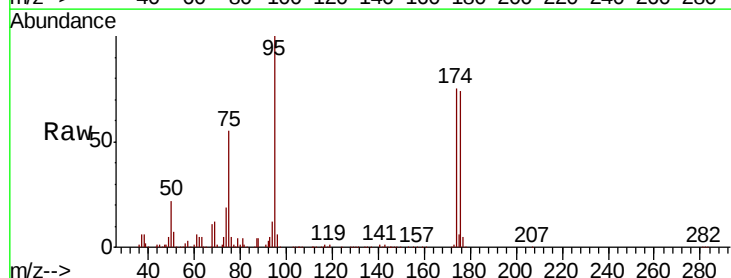
Tgt Ion: 95 Resp: 328532

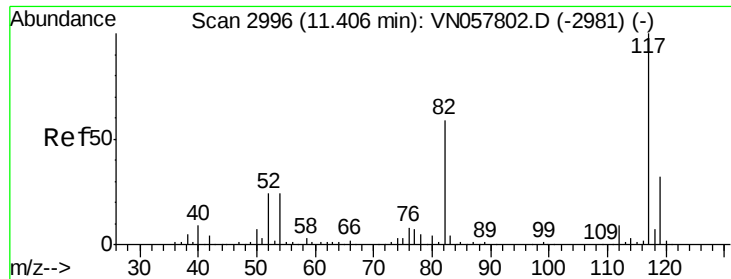
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

176 73.0 0.0 146.0

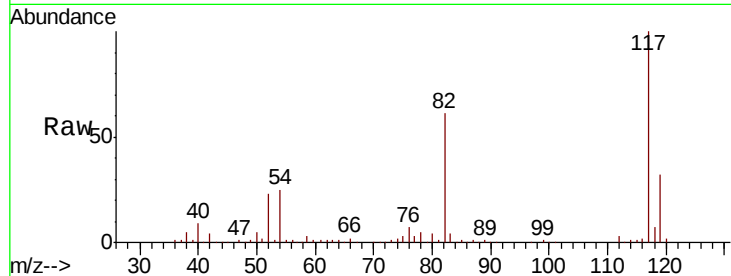




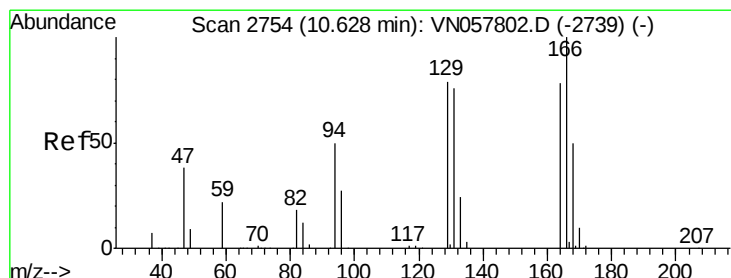
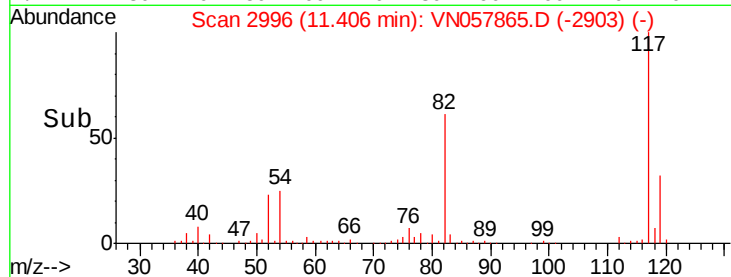
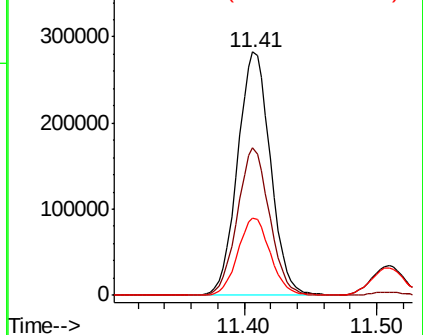
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:117 Resp: 486779
Ion Ratio Lower Upper
117 100
82 60.5 47.2 70.8
119 31.8 25.3 37.9

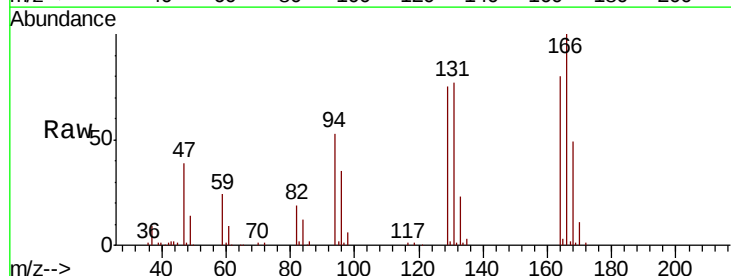


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

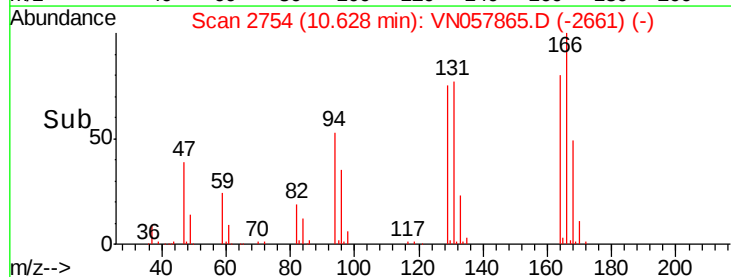
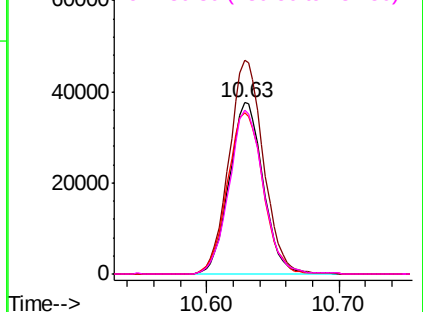


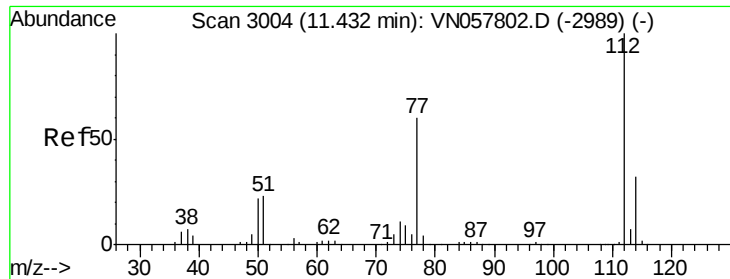
#64
Tetrachloroethene
Concen: 18.564 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:164 Resp: 66723
Ion Ratio Lower Upper
164 100
166 124.8 102.2 153.2
129 94.2 80.8 121.2
131 95.8 77.4 116.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

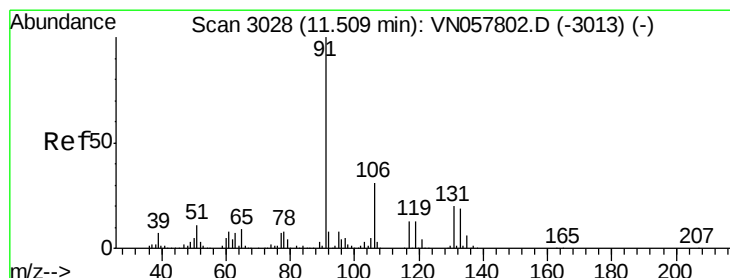
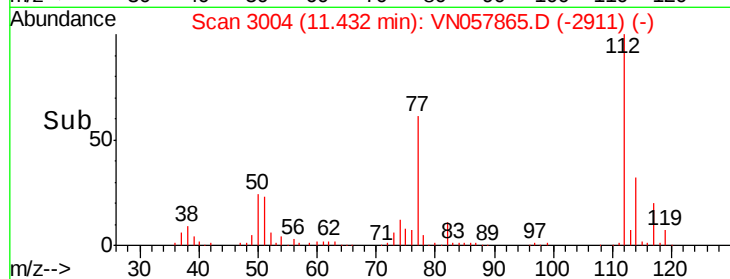
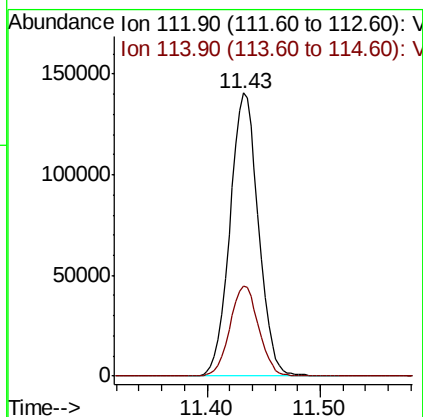
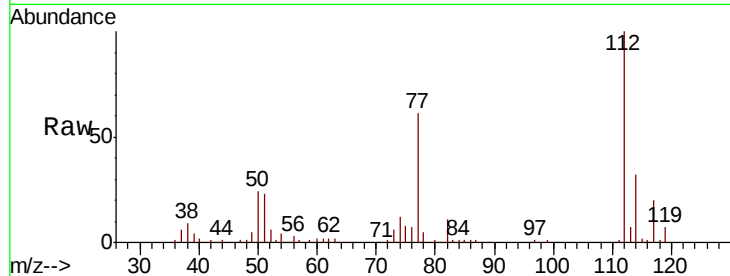




#65
Chlorobenzene
Concen: 19.306 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

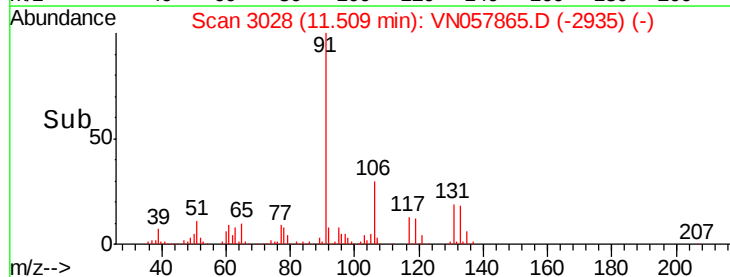
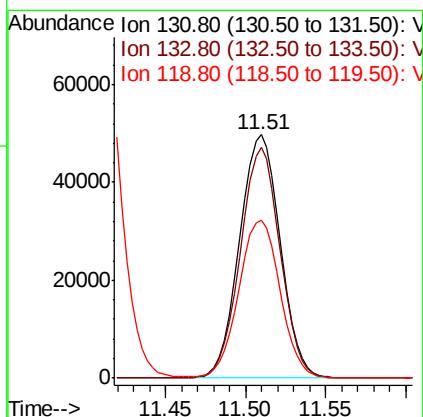
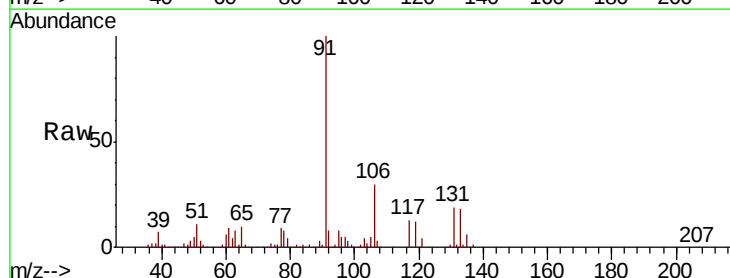
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

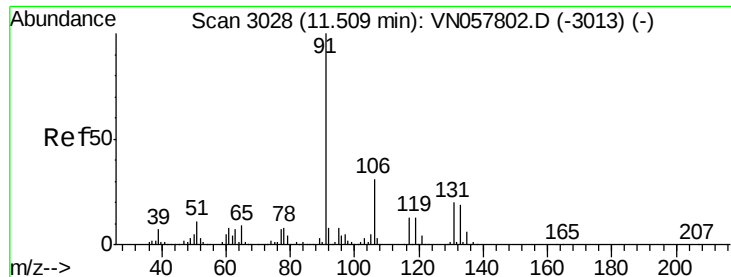
Tgt Ion:112 Resp: 245948
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.520 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:131 Resp: 86286
Ion Ratio Lower Upper
131 100
133 92.7 47.1 141.3
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 19.781 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

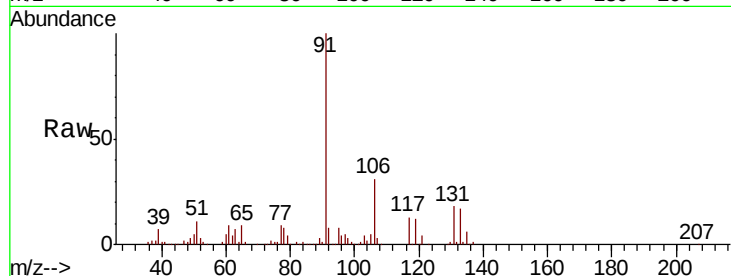
VN0911WBSD01

Tgt Ion: 91 Resp: 441628

Ion Ratio Lower Upper

91 100

106 30.8 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN057802.D (-3013) (-)

400000

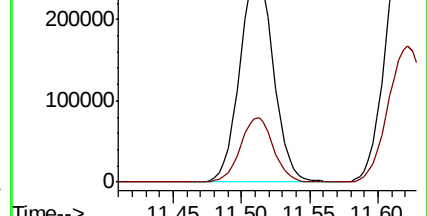
300000

200000

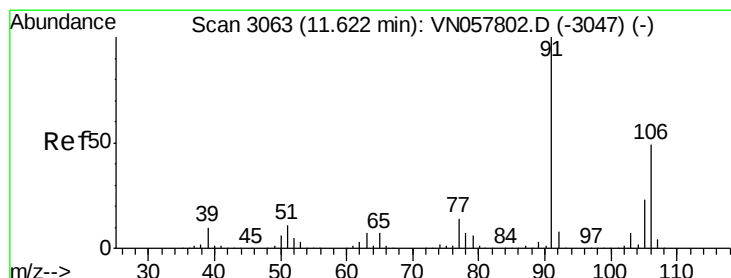
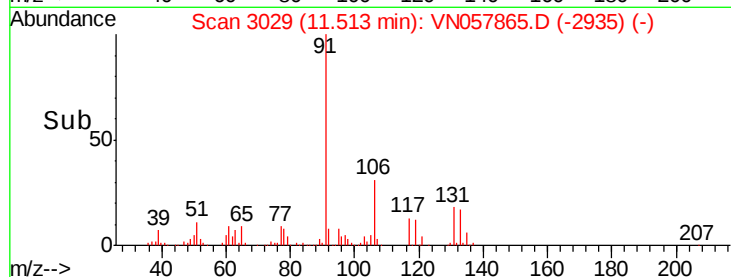
100000

0

11.45 11.50 11.55 11.60



Time-->



#68

m/p-Xylenes

Concen: 39.948 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057865.D

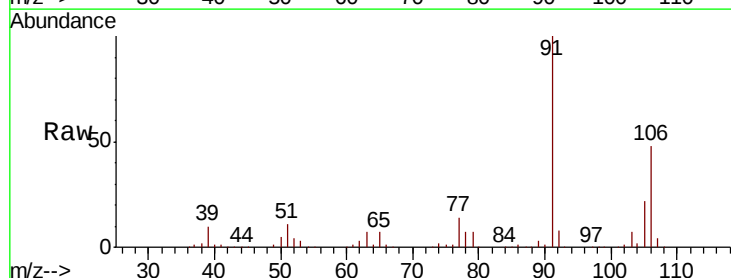
Acq: 10 Sep 2019 16:17

Tgt Ion: 106 Resp: 326701

Ion Ratio Lower Upper

106 100

91 205.9 165.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VN057802.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-3047) (-)

400000

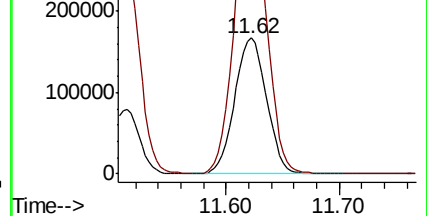
300000

200000

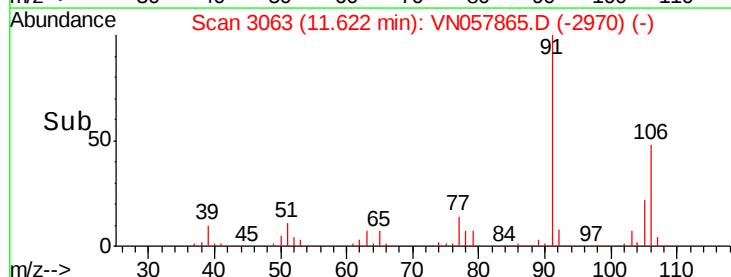
100000

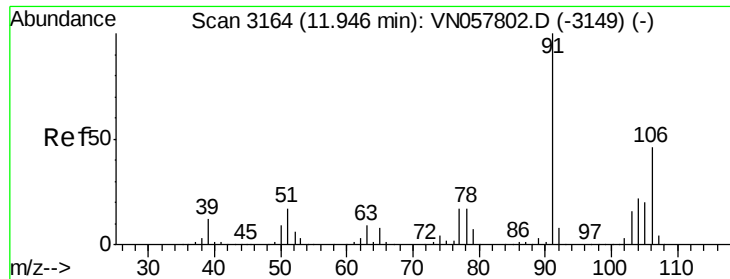
0

11.60 11.62 11.64 11.66



Time-->

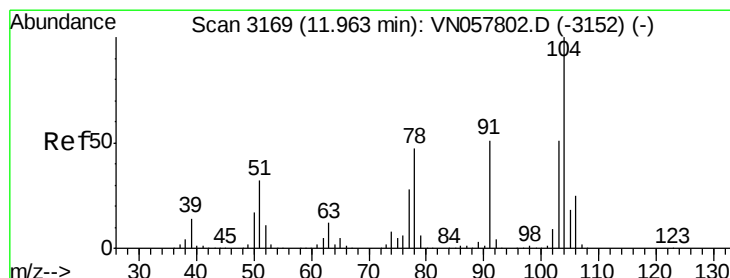
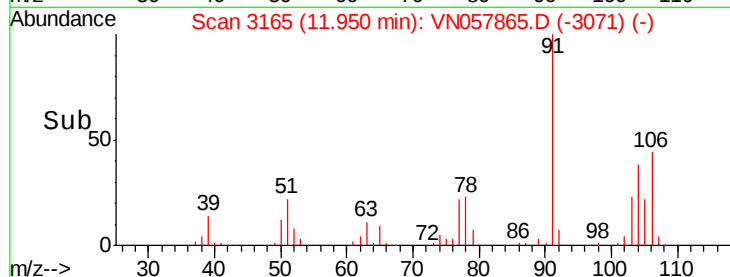
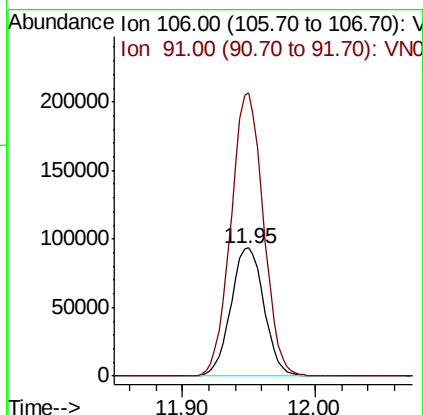
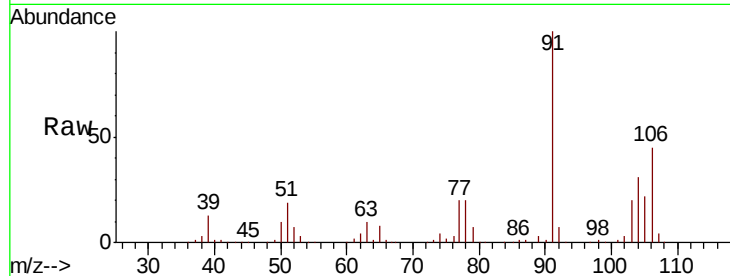




#69
o-Xylene
Concen: 19.919 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

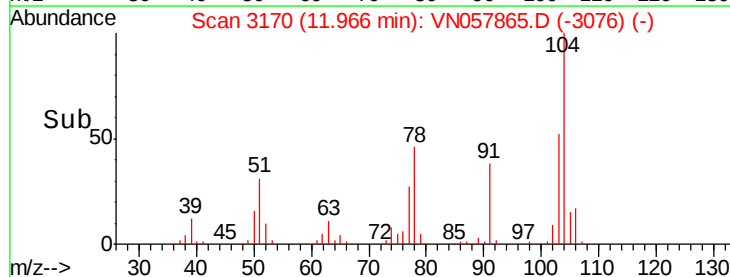
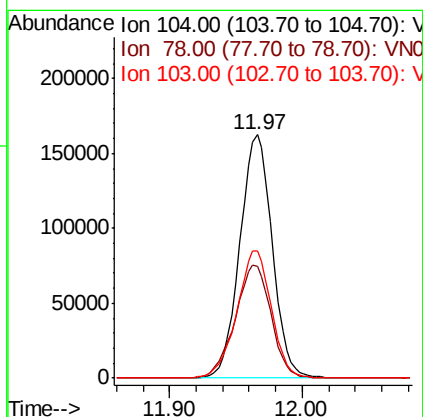
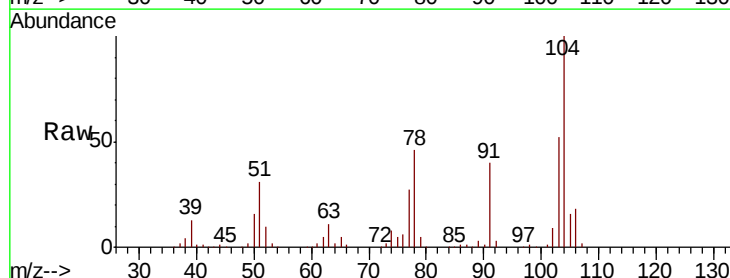
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

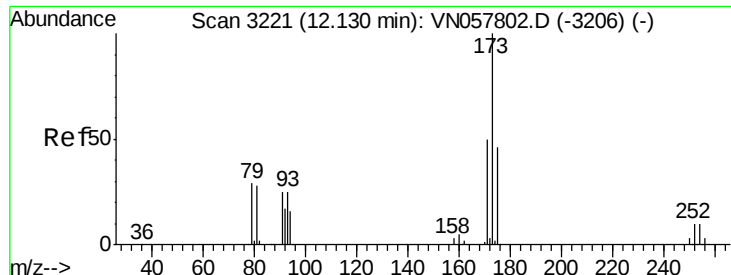
Tgt Ion:106 Resp: 161950
Ion Ratio Lower Upper
106 100
91 217.3 108.7 326.1



#70
Styrene
Concen: 19.734 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:104 Resp: 276120
Ion Ratio Lower Upper
104 100
78 51.4 41.3 61.9
103 55.8 43.7 65.5

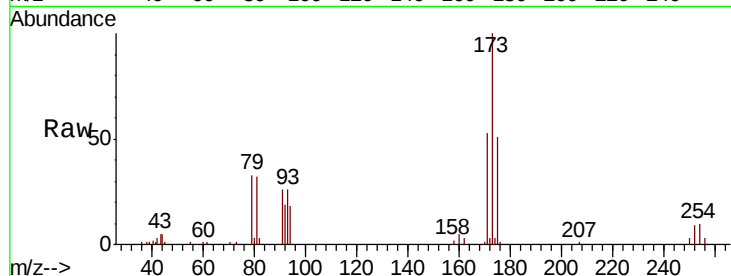




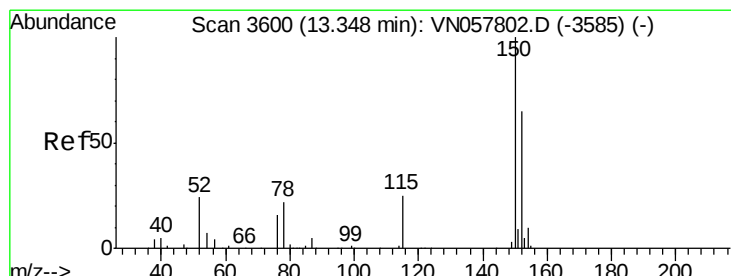
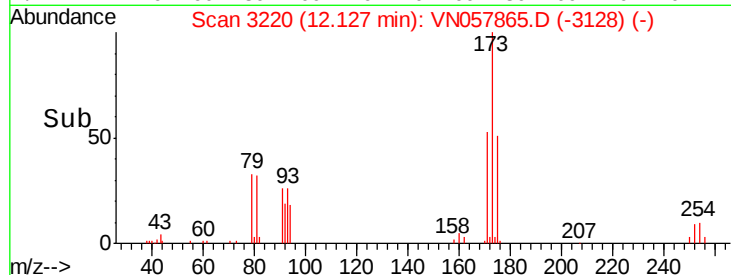
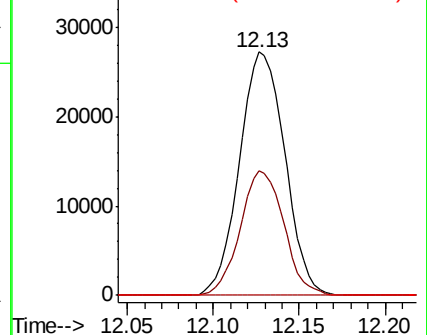
#71
Bromoform
Concen: 18.165 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tgt Ion:173 Resp: 50063
Ion Ratio Lower Upper
173 100
175 49.0 23.5 70.6
254 0.0 0.1 0.1#

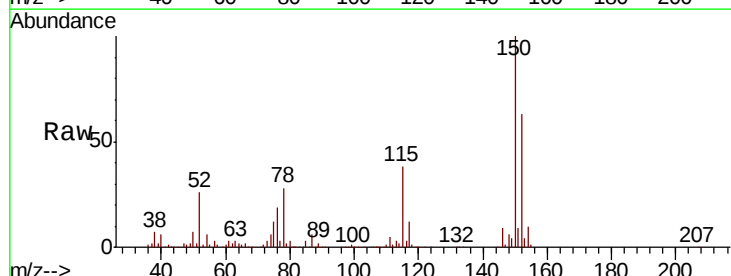


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

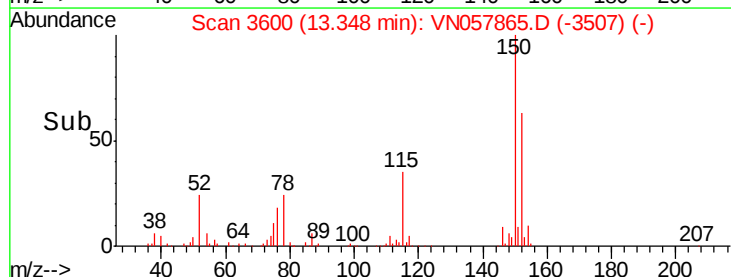
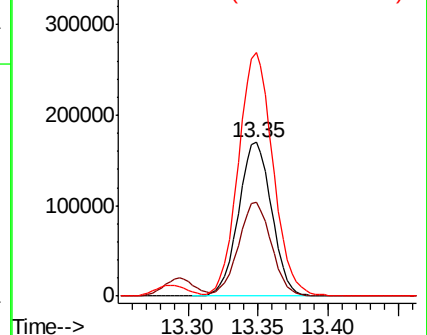


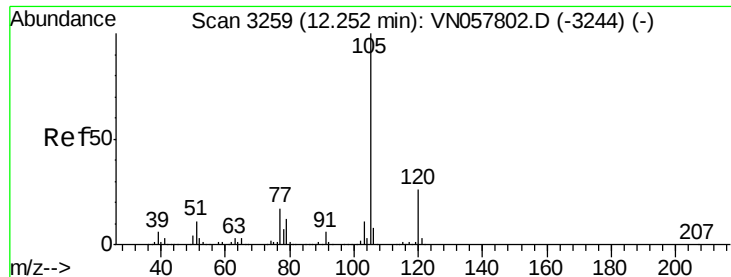
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:152 Resp: 280505
Ion Ratio Lower Upper
152 100
115 60.7 30.3 91.0
150 164.9 0.0 352.4



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





#73

Isopropylbenzene

Concen: 20.202 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

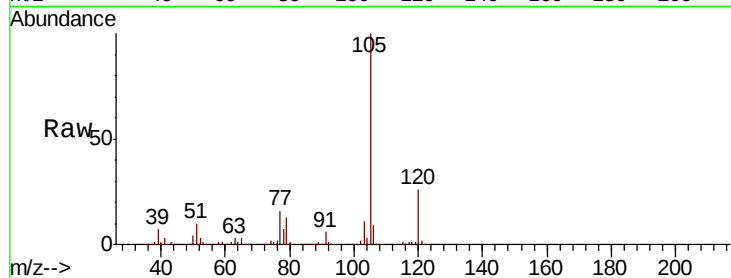
VN0911WBSD01

Tgt Ion: 105 Resp: 439726

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

50000

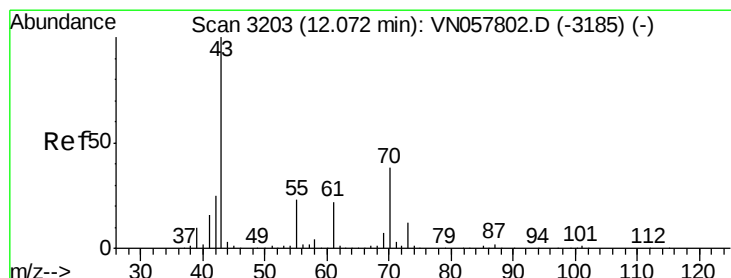
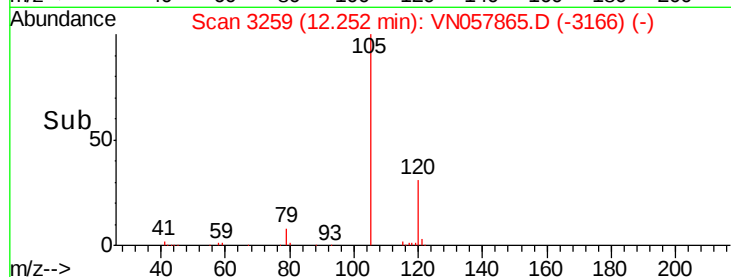
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.058 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion: 43 Resp: 190006

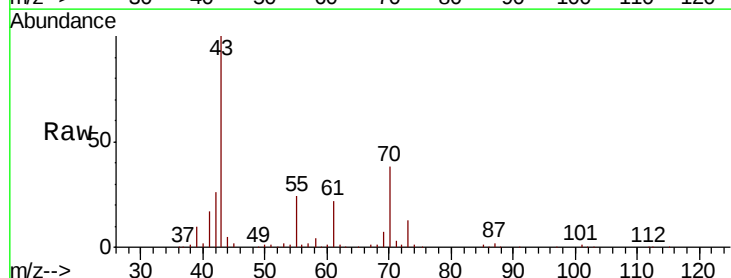
Ion Ratio Lower Upper

43 100

70 37.5 30.6 45.8

55 24.1 18.6 27.8

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

100000

50000

0

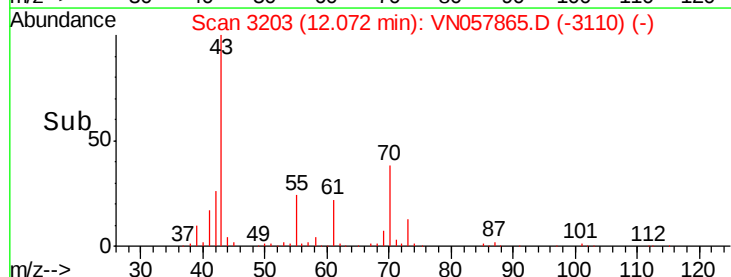
12.07

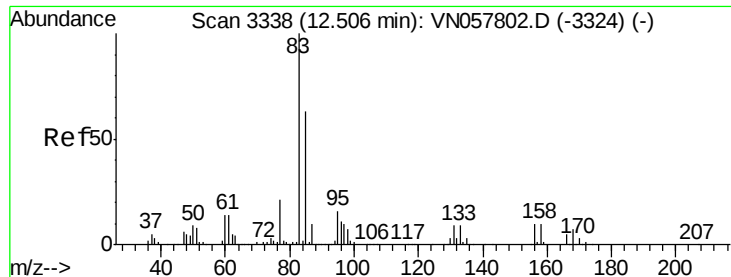
12.00

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.662 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

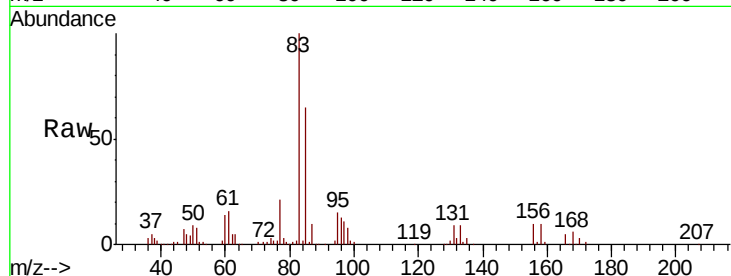
MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 83 Resp: 144097

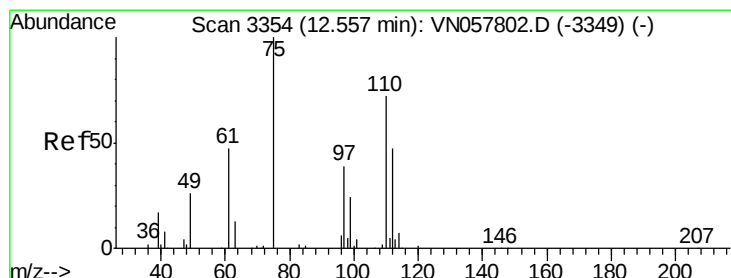
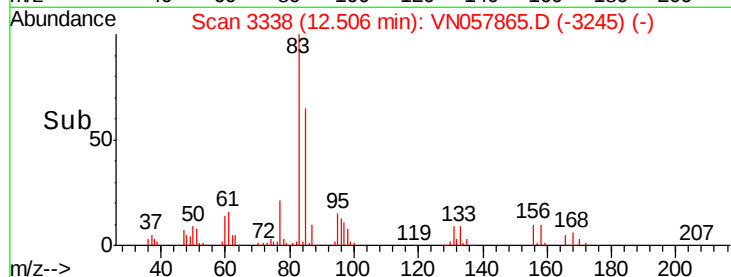
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	66.6	31.6	94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.020 ug/l

RT: 12.56 min Scan# 3354

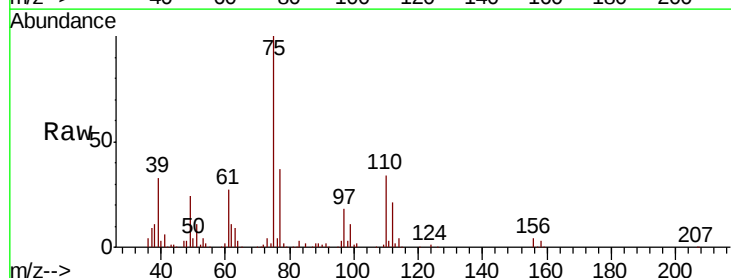
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

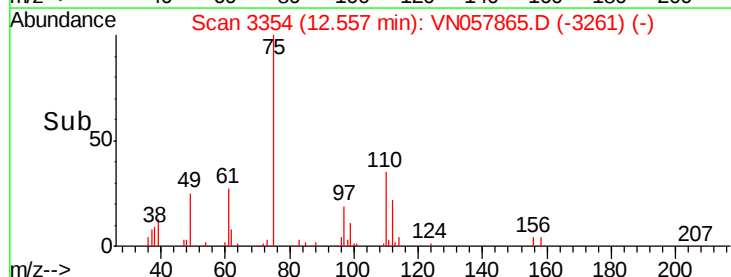
Tgt Ion: 75 Resp: 171458

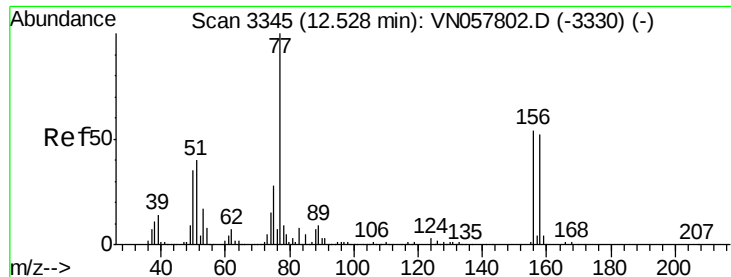
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.825 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

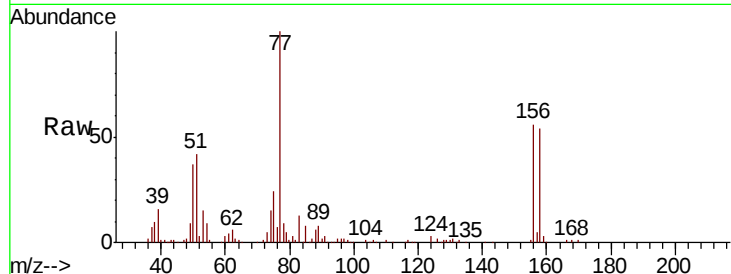
Tgt Ion:156 Resp: 102161

Ion Ratio Lower Upper

156 100

77 224.4 113.7 341.1

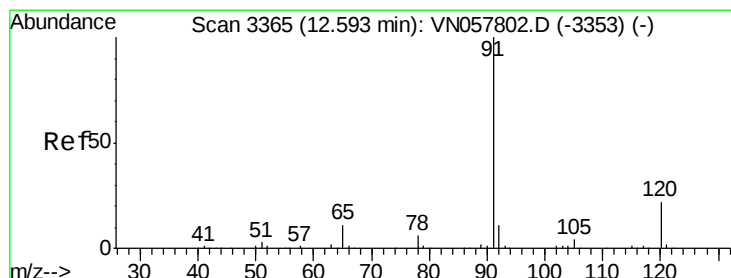
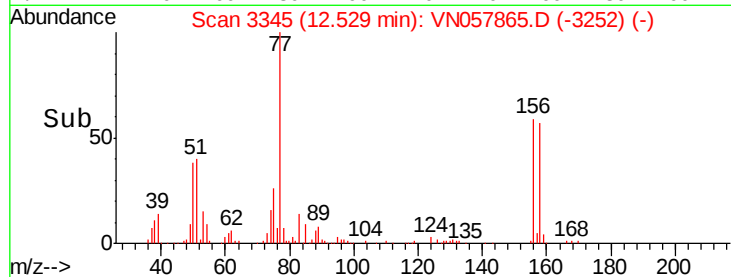
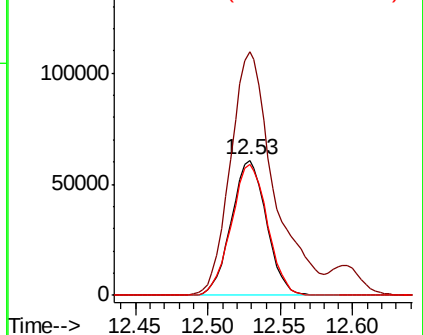
158 99.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.641 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057865.D

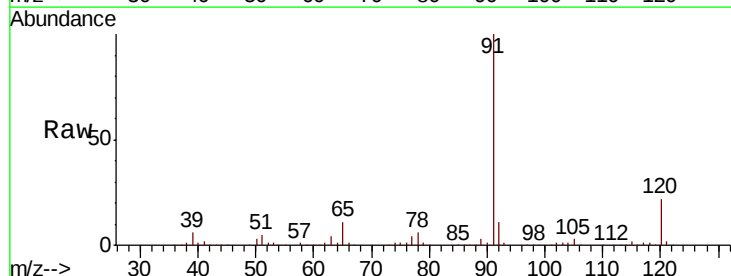
Acq: 10 Sep 2019 16:17

Tgt Ion: 91 Resp: 515901

Ion Ratio Lower Upper

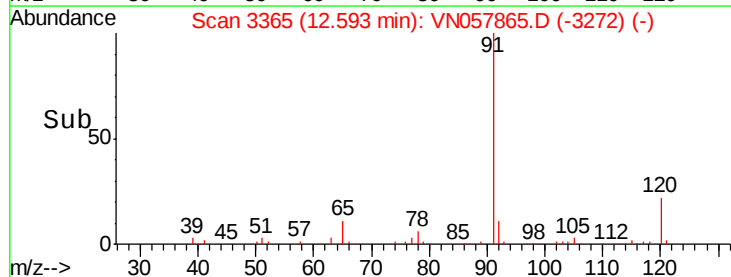
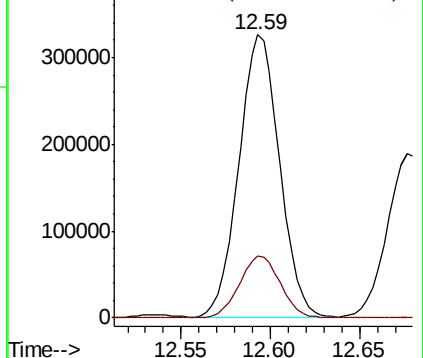
91 100

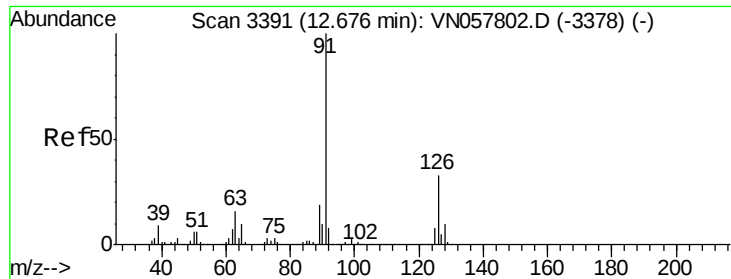
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.531 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampled :

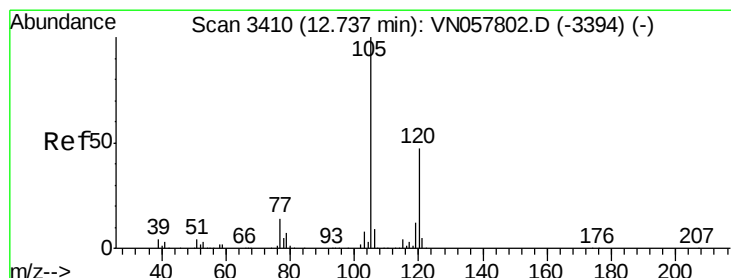
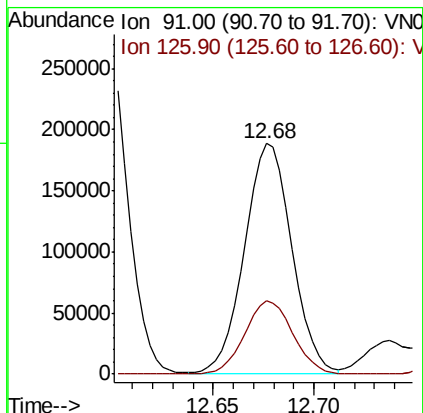
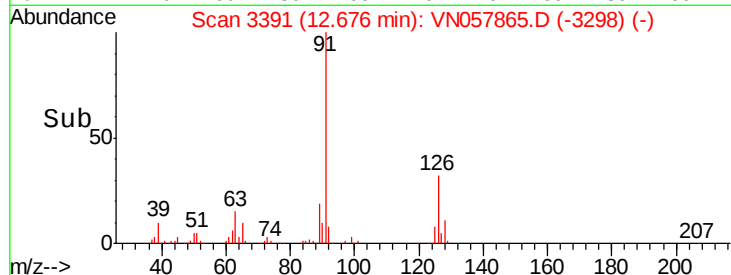
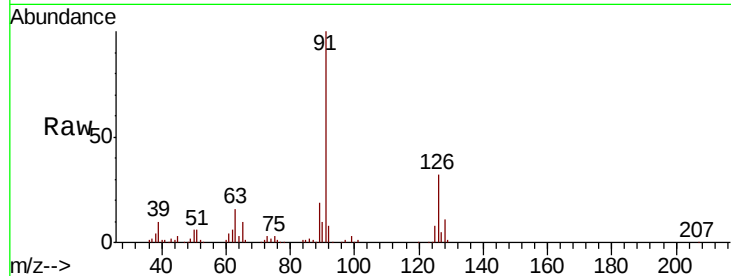
VN0911WBSD01

Tgt Ion: 91 Resp: 308532

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.484 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057865.D

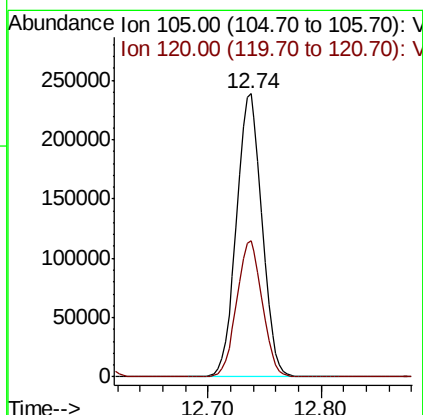
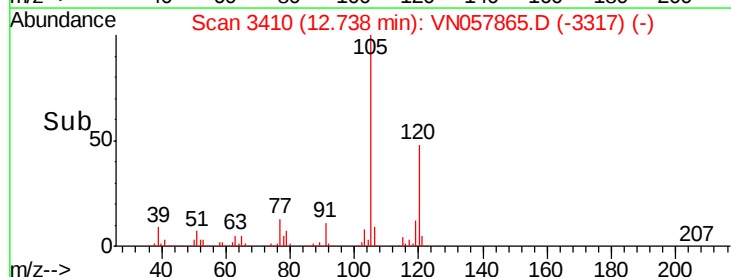
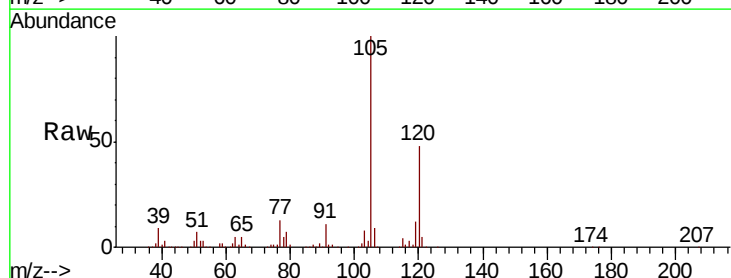
Acq: 10 Sep 2019 16:17

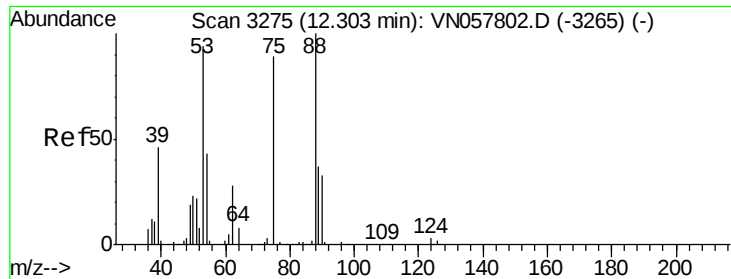
Tgt Ion: 105 Resp: 376723

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.636 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

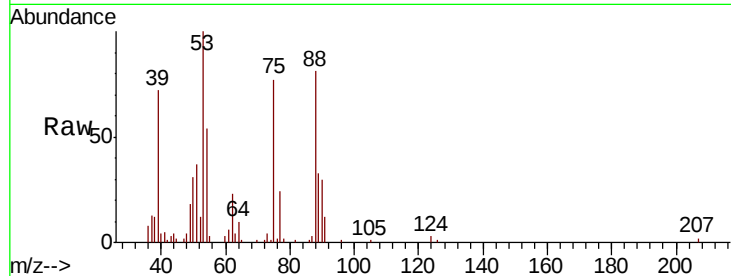
Tgt Ion: 75 Resp: 31802

Ion Ratio Lower Upper

75 100

53 124.9 88.4 132.6

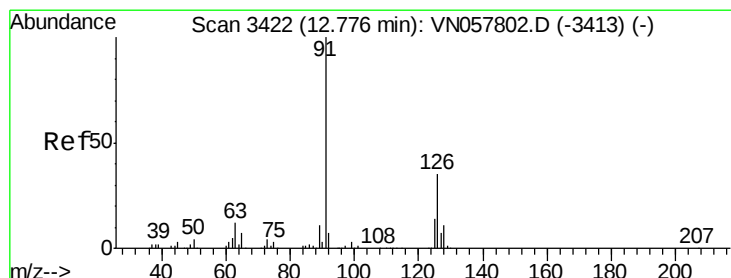
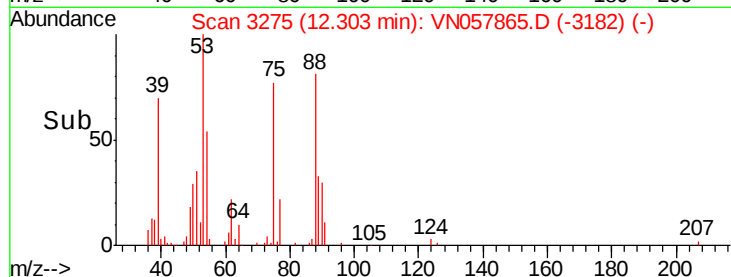
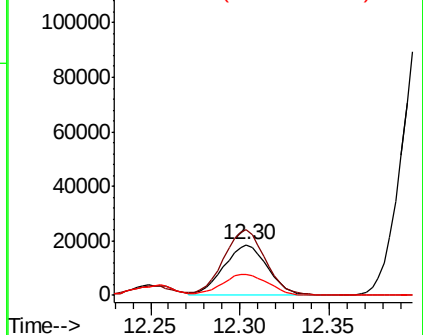
89 43.5 35.3 52.9



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



#82

4-Chlorotoluene

Concen: 19.508 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057865.D

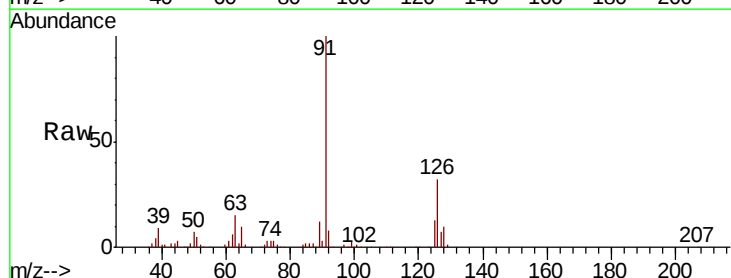
Acq: 10 Sep 2019 16:17

Tgt Ion: 91 Resp: 316471

Ion Ratio Lower Upper

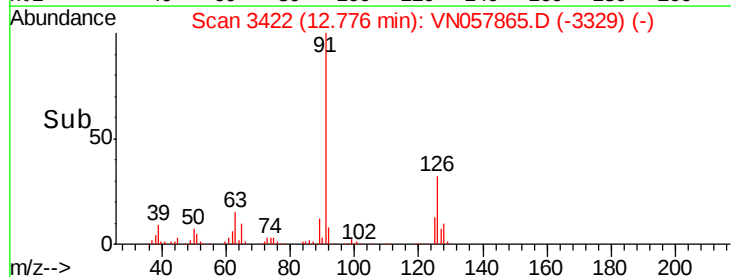
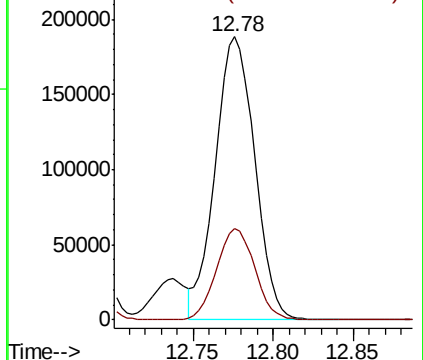
91 100

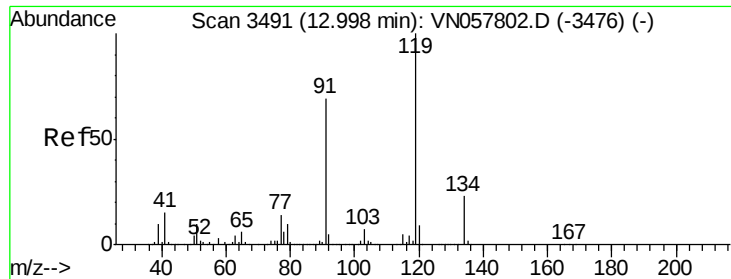
126 31.4 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

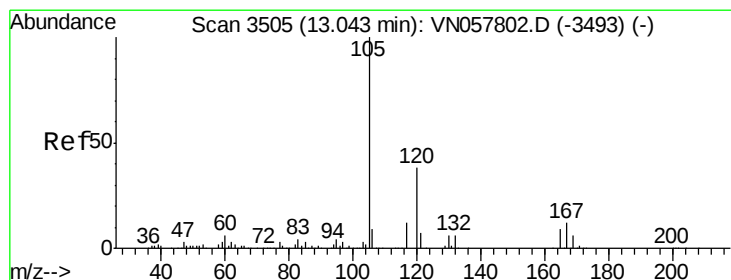
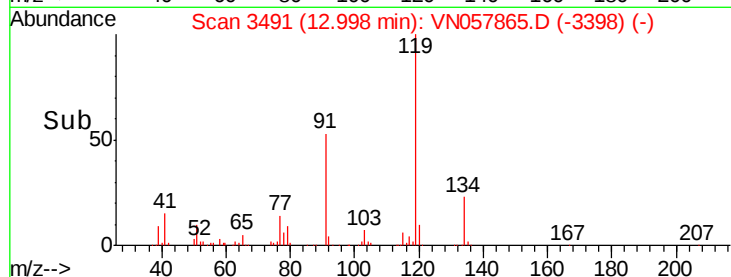
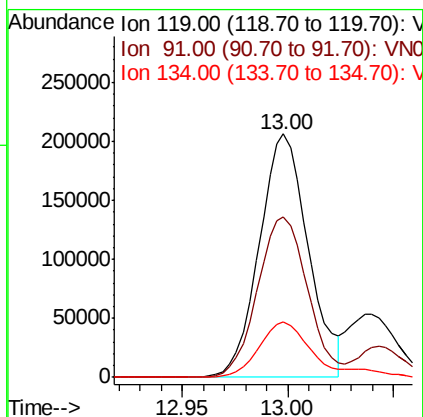
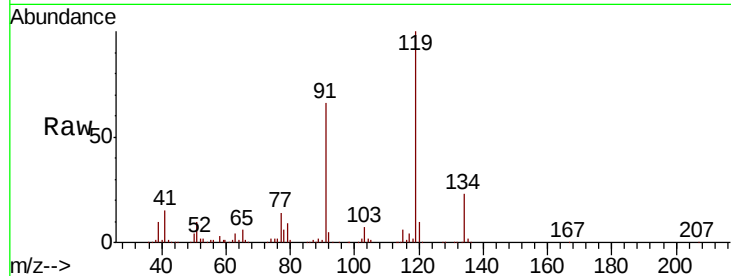




#83
 tert-Butylbenzene
 Concen: 20.400 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

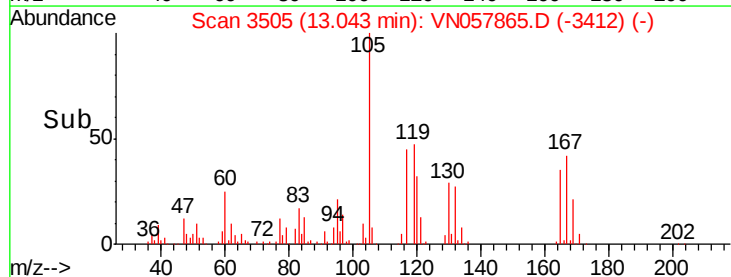
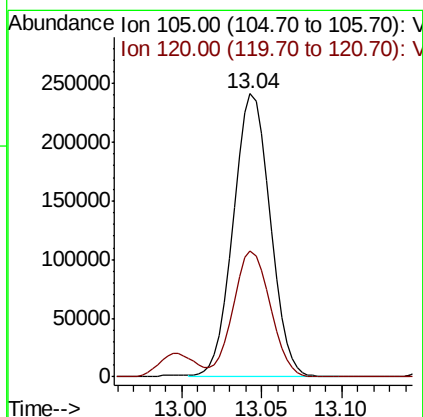
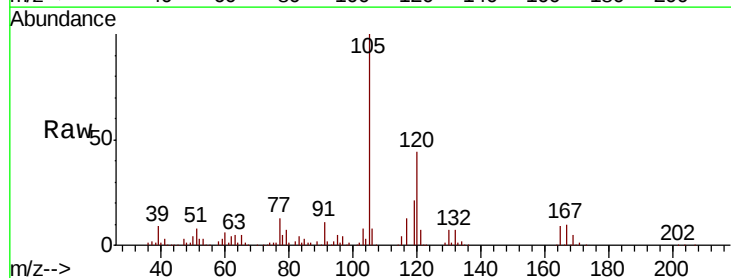
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

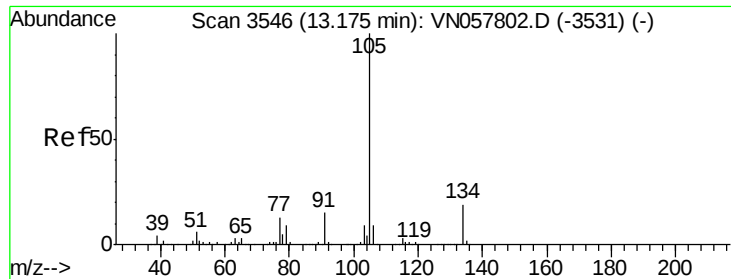
Tgt Ion:119 Resp: 333504
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.6 100.8
 134 23.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.209 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion:105 Resp: 377741
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.2

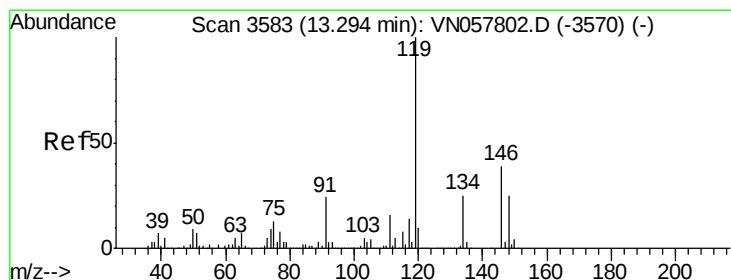
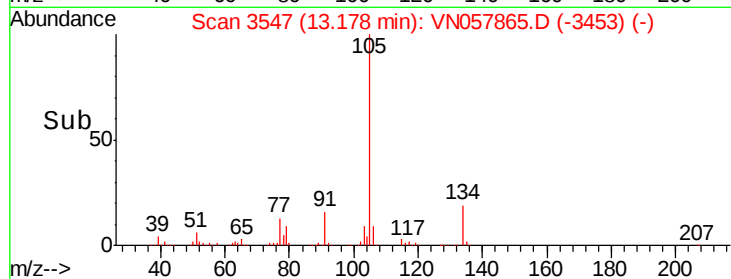
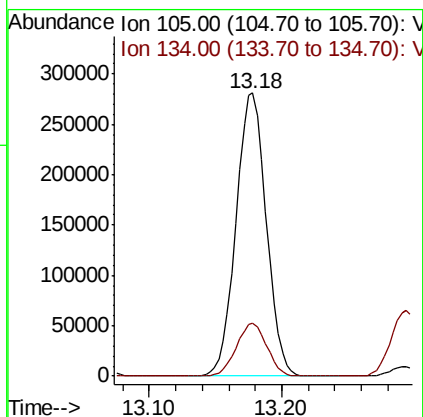
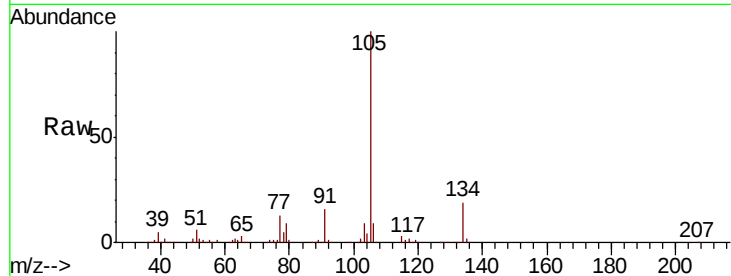




#85
 sec-Butylbenzene
 Concen: 20.479 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

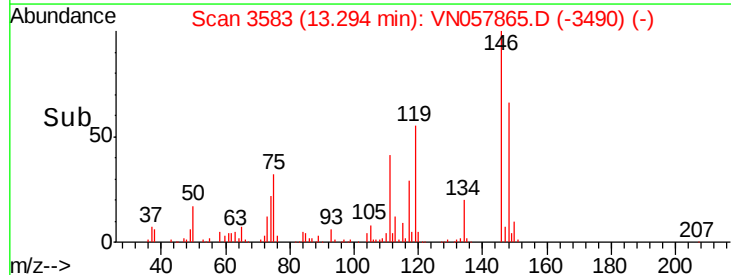
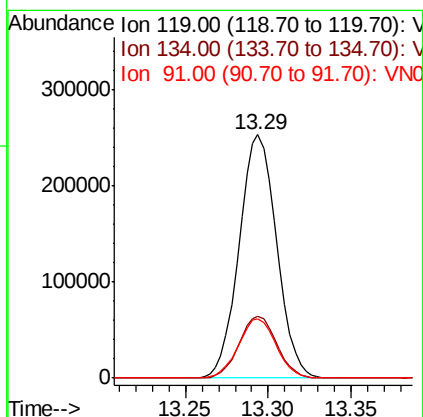
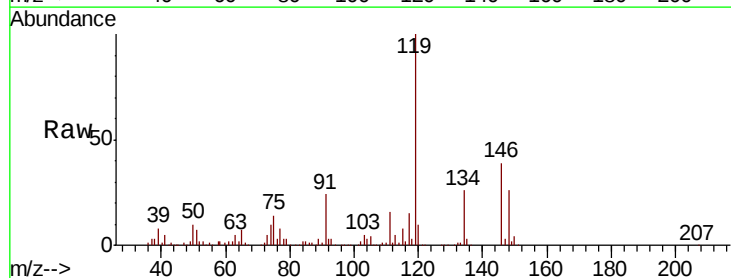
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

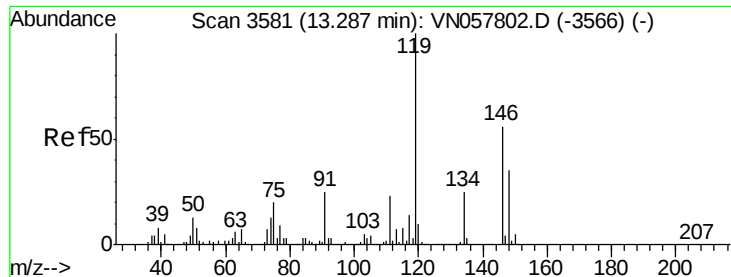
Tgt Ion:105 Resp: 443736
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.744 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion:119 Resp: 396044
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.497 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

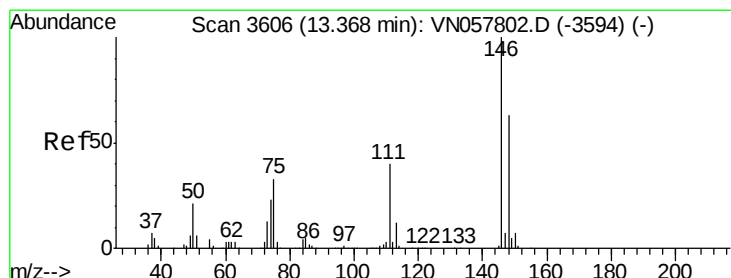
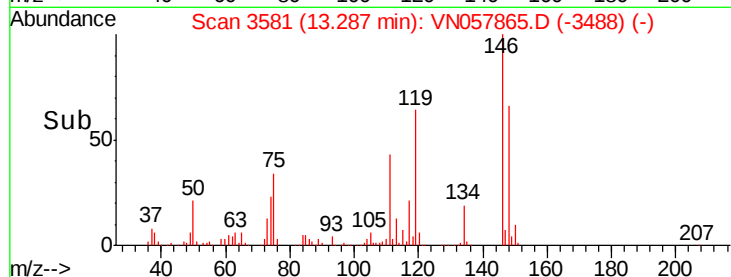
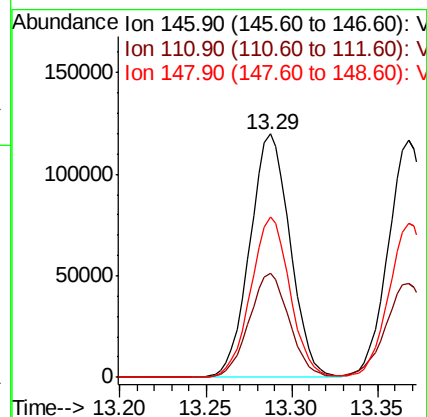
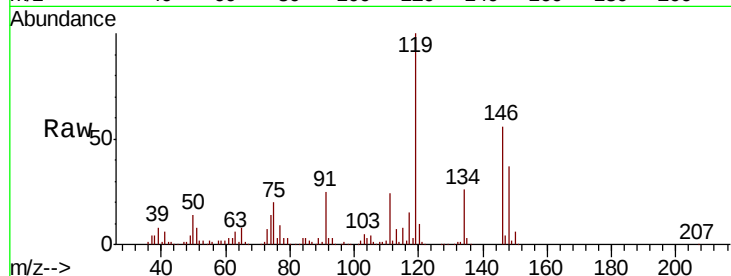
Tgt Ion:146 Resp: 194212

Ion Ratio Lower Upper

146 100

111 42.5 20.5 61.6

148 64.0 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 19.295 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

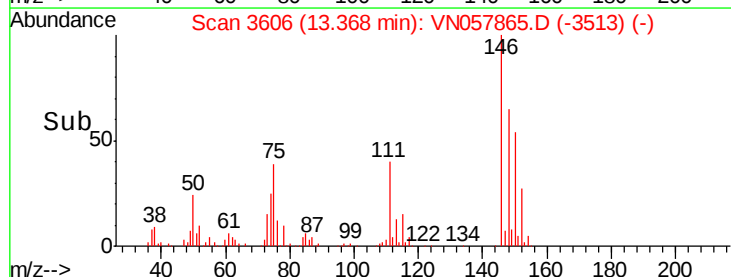
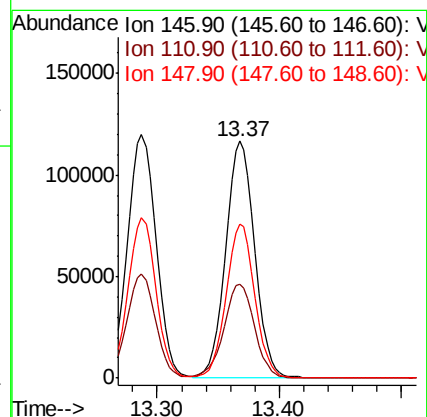
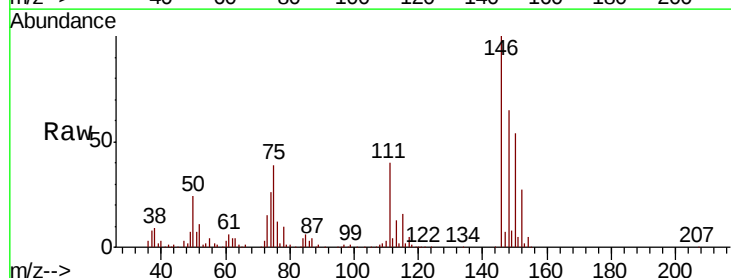
Tgt Ion:146 Resp: 195087

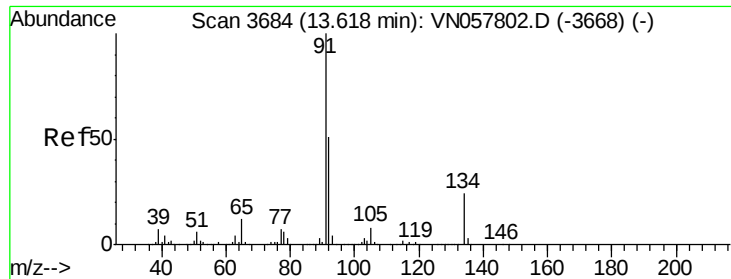
Ion Ratio Lower Upper

146 100

111 41.5 20.4 61.2

148 64.3 31.8 95.4

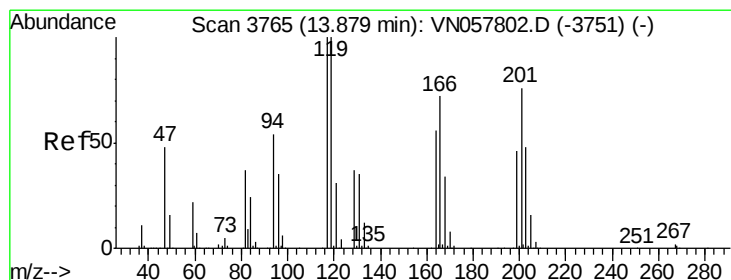
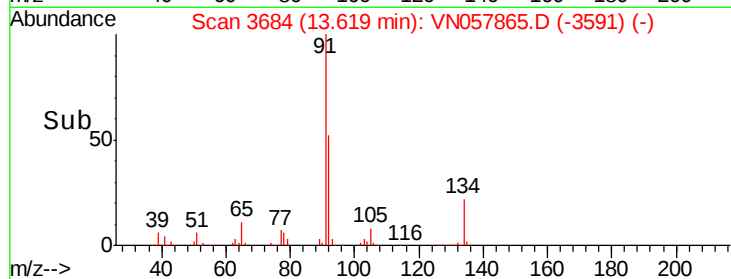
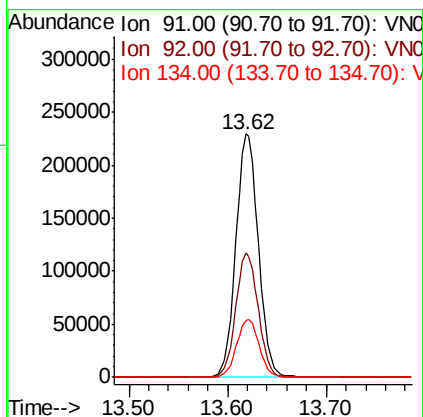
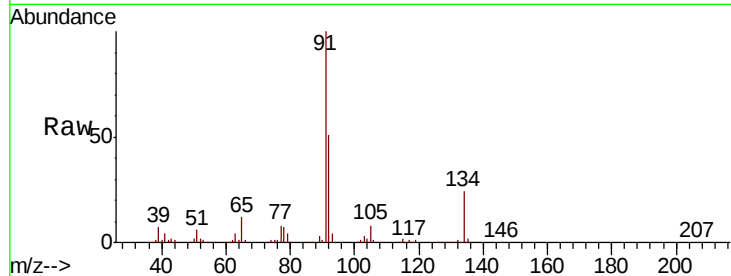




#89
n-Butylbenzene
Concen: 20.158 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

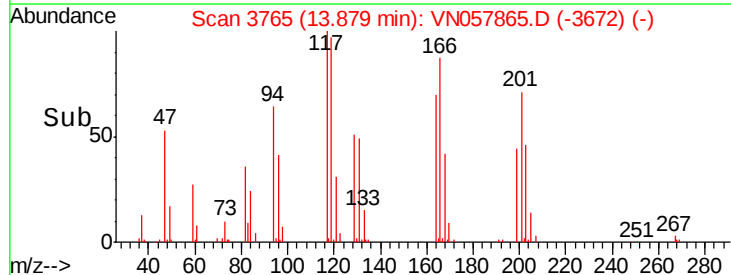
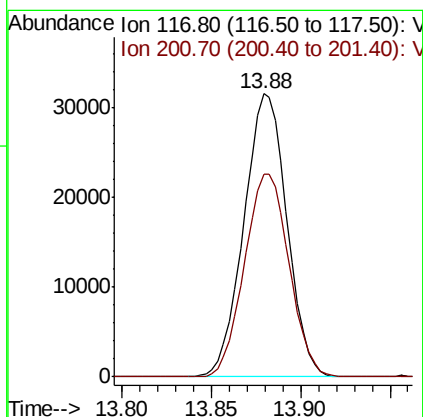
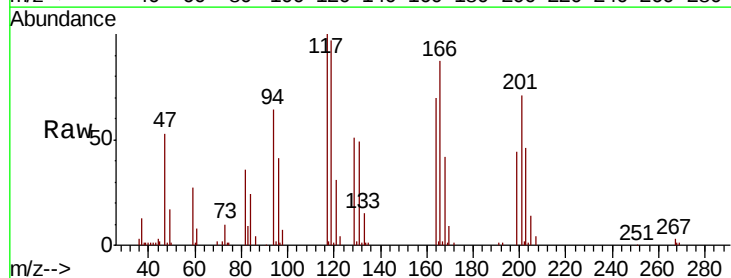
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

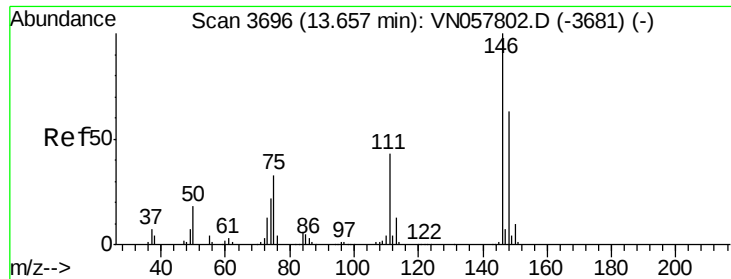
Tgt Ion: 91 Resp: 363440
Ion Ratio Lower Upper
91 100
92 51.0 25.7 77.0
134 23.8 11.9 35.7



#90
Hexachloroethane
Concen: 18.683 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 117 Resp: 53047
Ion Ratio Lower Upper
117 100
201 74.3 37.5 112.7

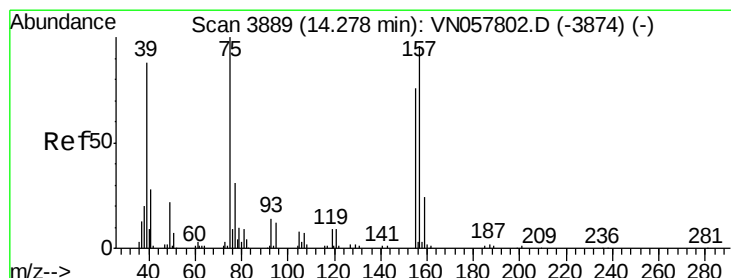
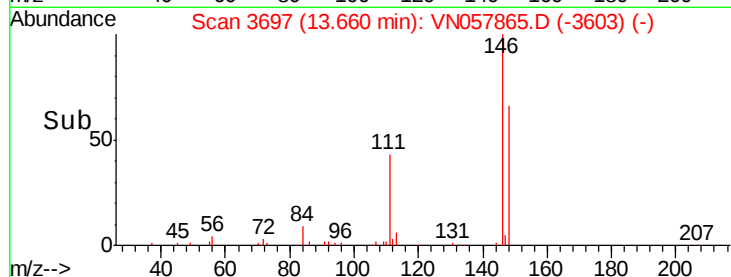
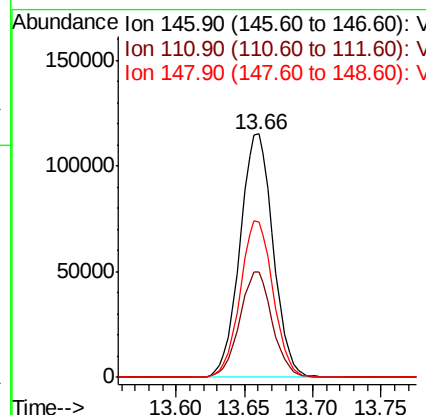
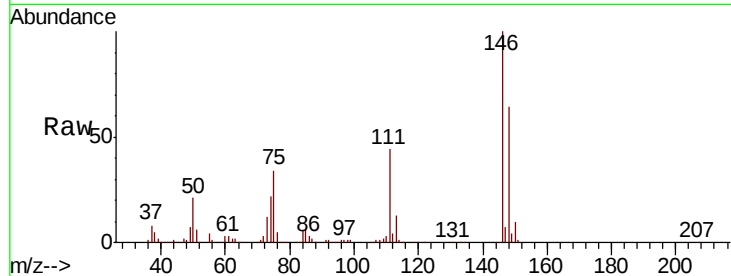




#91
 1,2-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

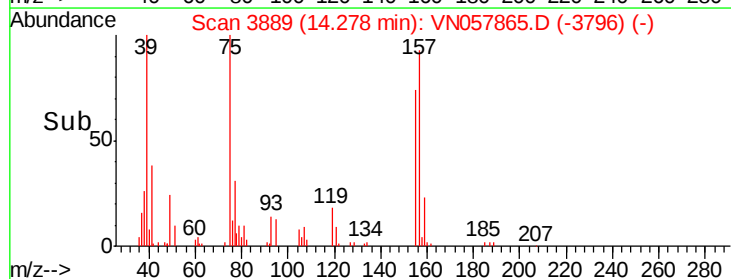
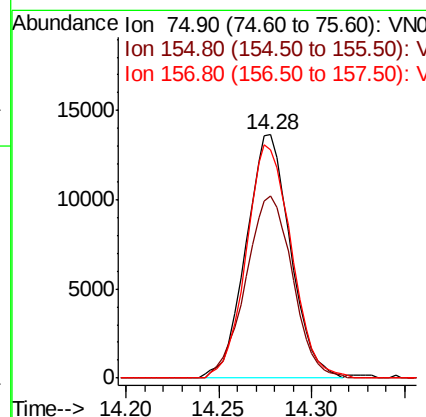
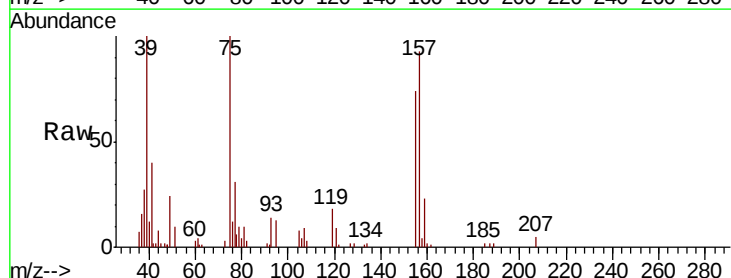
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD01

Tgt Ion: 146 Resp: 194201
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 63.9
 148 64.0 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.812 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 75 Resp: 22768
 Ion Ratio Lower Upper
 75 100
 155 78.7 37.3 111.8
 157 97.4 47.9 143.8

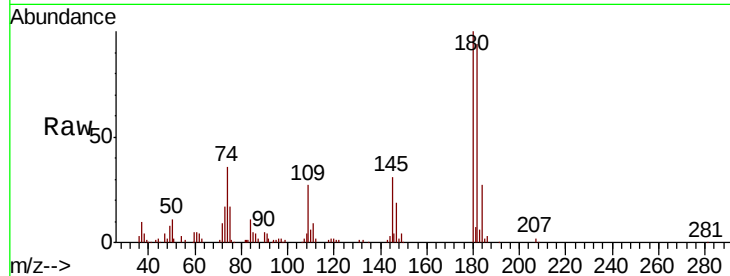




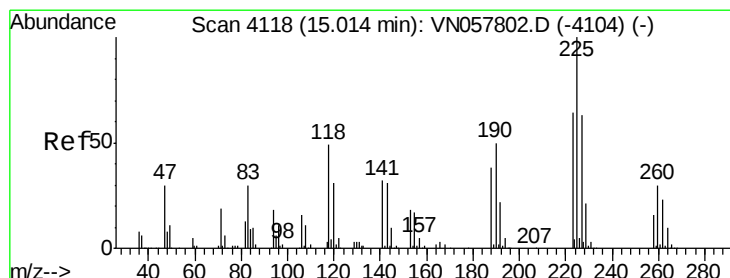
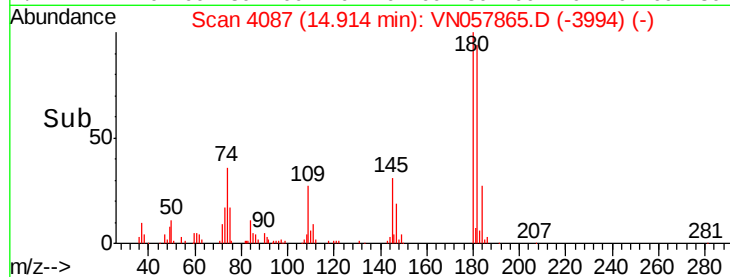
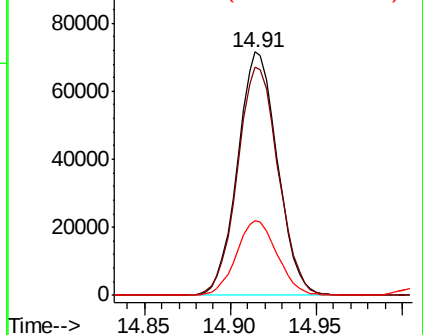
#93
 1,2,4-Trichlorobenzene
 Concen: 17.728 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion:180 Resp: 115312
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.9 140.8
 145 31.5 14.9 44.7

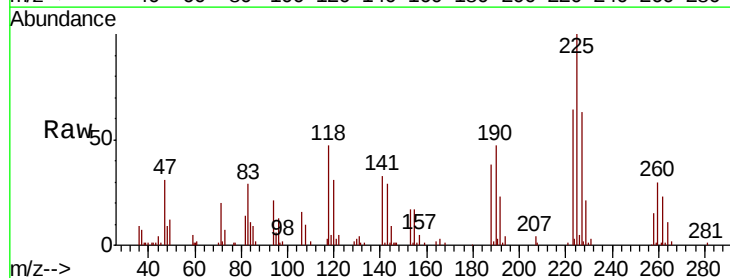


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

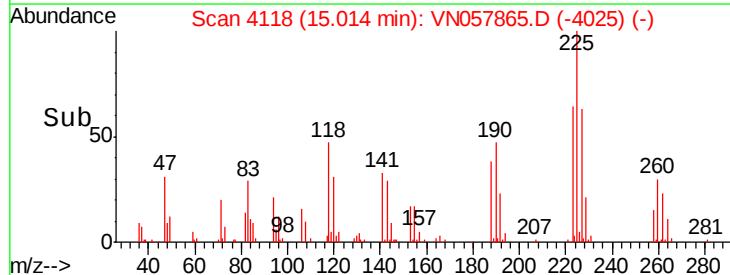
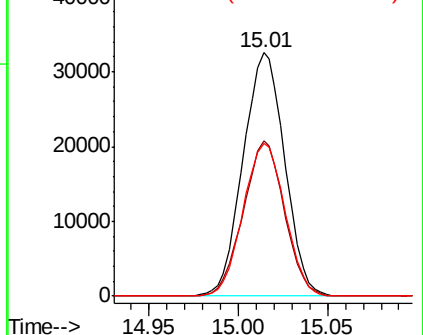


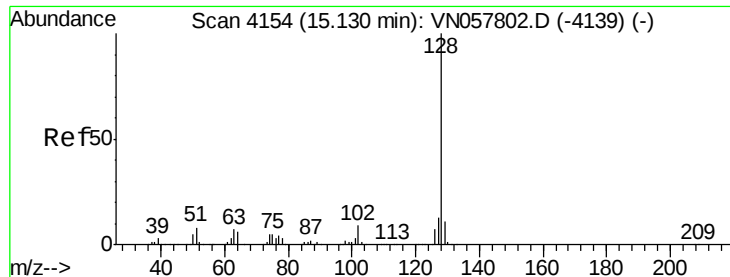
#94
 Hexachlorobutadiene
 Concen: 19.313 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion:225 Resp: 53251
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.4 97.2
 227 62.9 31.8 95.4



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





#95

Naphthalene

Concen: 18.983 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

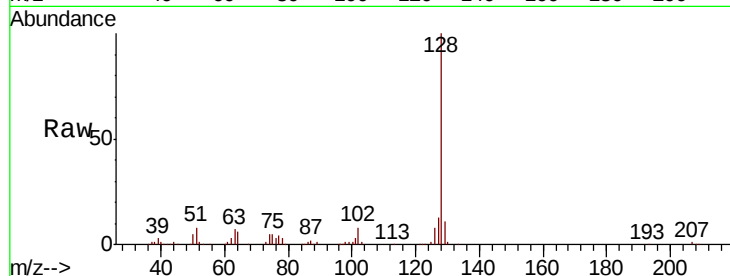
Tgt Ion:128 Resp: 327713

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

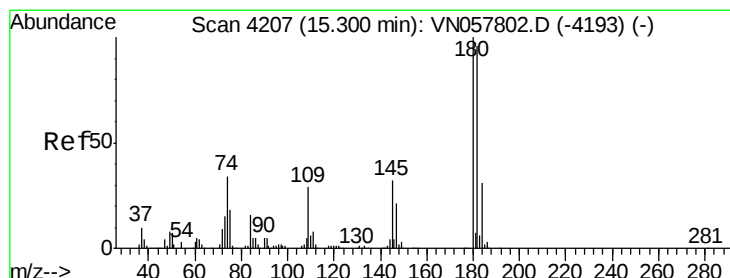
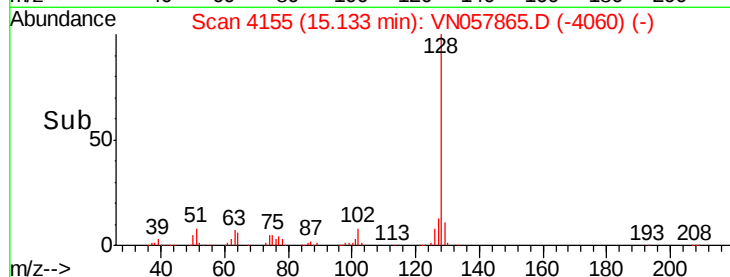
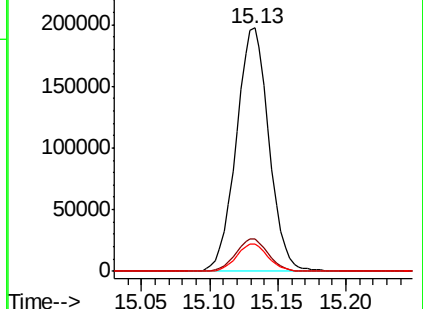
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.326 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

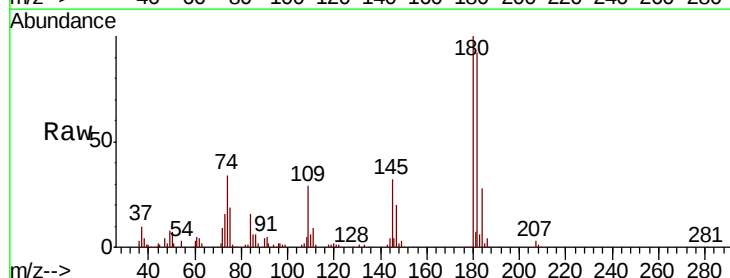
Tgt Ion:180 Resp: 111984

Ion Ratio Lower Upper

180 100

182 93.4 48.3 144.8

145 32.2 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

