

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057863.D
 Acq On : 10 Sep 2019 15:33
 Operator : JC/SP
 Sample : VN0911WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:08 AM

Quant Time: Sep 11 04:11:33 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	316082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	517547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	328832	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.58	113	233983	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.08	98	958989	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	327484	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	92491	21.159	ug/l	96
3) Chloromethane	2.03	50	87065	19.542	ug/l	99
4) Vinyl Chloride	2.16	62	92220	19.558	ug/l	100
5) Bromomethane	2.54	94	53591	19.762	ug/l	98
6) Chloroethane	2.68	64	57483	19.131	ug/l	99
7) Trichlorofluoromethane	2.99	101	115595	19.480	ug/l	100
8) Diethyl Ether	3.39	74	47133	19.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75888	20.273	ug/l	98
10) Methyl Iodide	3.93	142	74053	17.777	ug/l	100
11) Tert butyl alcohol	4.77	59	80160	103.453	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	64026	19.023	ug/l	97
13) Acrolein	3.58	56	53891	81.979	ug/l	100
14) Allyl chloride	4.30	41	123023	18.677	ug/l	98
15) Acrylonitrile	4.96	53	213197	100.105	ug/l	99
16) Acetone	3.80	43	212749	101.372	ug/l	99
17) Carbon Disulfide	4.03	76	92870	17.831	ug/l	98
18) Methyl Acetate	4.31	43	126304	22.572	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	285421	20.377	ug/l	96
20) Methylene Chloride	4.53	84	85363	20.643	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	69723	19.163	ug/l	97
22) Diisopropyl ether	5.93	45	313871	20.320	ug/l	96
23) Vinyl Acetate	5.87	43	1132778	103.479	ug/l	99
24) 1,1-Dichloroethane	5.83	63	167290	19.817	ug/l	100
25) 2-Butanone	6.82	43	308203	101.465	ug/l	100
26) 2,2-Dichloropropane	6.81	77	131153	19.631	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	95561	19.599	ug/l	98
28) Bromochloromethane	7.18	49	88103	20.890	ug/l	99
29) Tetrahydrofuran	7.20	42	188927	100.936	ug/l	99
30) Chloroform	7.36	83	173655	19.674	ug/l	99
31) Cyclohexane	7.64	56	123763	20.180	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	137480	19.639	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108369	18.055	ug/l	99
37) Ethyl Acetate	6.91	43	121635	19.614	ug/l	100
38) Carbon Tetrachloride	7.76	117	105799	19.307	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117443	18.613	ug/l	96
40) Benzene	8.03	78	355581	19.677	ug/l	97
41) Methacrylonitrile	7.15	41	42578m	15.125	ug/l	
42) 1,2-Dichloroethane	8.11	62	144580	20.005	ug/l	90
43) Isopropyl Acetate	8.15	43	211504	20.281	ug/l	98
44) Trichloroethene	8.83	130	83645	18.872	ug/l	97
45) 1,2-Dichloropropane	9.11	63	104596	19.892	ug/l	99
46) Dibromomethane	9.20	93	62909	19.799	ug/l	99
47) Bromodichloromethane	9.40	83	127003	20.016	ug/l	97
48) Methyl methacrylate	9.19	41	102358	19.349	ug/l	99
49) 1,4-Dioxane	9.19	88	36018	402.614	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	658573	106.714	ug/l	99
52) Toluene	10.15	92	223211	19.612	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	130992	19.605	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	145250	19.690	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	98704	20.473	ug/l	98
56) Ethyl methacrylate	10.43	69	143511	19.767	ug/l	99
57) 1,3-Dichloropropane	10.71	76	167496	20.160	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	341922	99.995	ug/l	99
59) 2-Hexanone	10.75	43	481169	104.021	ug/l	99
60) Dibromochloromethane	10.90	129	83657	18.687	ug/l	97
61) 1,2-Dibromoethane	11.00	107	90069	19.761	ug/l	99
64) Tetrachloroethene	10.63	164	68152	18.988	ug/l	99
65) Chlorobenzene	11.43	112	246599	19.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85216	19.304	ug/l	98
67) Ethyl Benzene	11.51	91	441950	19.823	ug/l	99
68) m/p-Xylenes	11.62	106	327679	40.124	ug/l	99
69) o-Xylene	11.95	106	157552	19.405	ug/l	96
70) Styrene	11.97	104	282346	20.207	ug/l	99
71) Bromoform	12.13	173	51463	18.699	ug/l #	98
73) Isopropylbenzene	12.25	105	450266	20.708	ug/l	100
74) N-amyl acetate	12.07	43	187536	19.818	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	146641	20.030	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	118616m	18.713	ug/l	
77) Bromobenzene	12.53	156	104598	19.295	ug/l	99
78) n-propylbenzene	12.59	91	521046	20.869	ug/l	98
79) 2-Chlorotoluene	12.68	91	311175	19.719	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	377210	20.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33183	18.422	ug/l	90
82) 4-Chlorotoluene	12.78	91	323306	19.950	ug/l	100
83) tert-Butylbenzene	13.00	119	329621	20.184	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	379717	20.336	ug/l	100
85) sec-Butylbenzene	13.17	105	448354	20.714	ug/l	99
86) p-Isopropyltoluene	13.29	119	397710	20.853	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	194067	19.503	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	192771	19.086	ug/l	98
89) n-Butylbenzene	13.62	91	361405	20.066	ug/l	99
90) Hexachloroethane	13.88	117	56271	19.839	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	196803	19.797	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24043	19.886	ug/l	99

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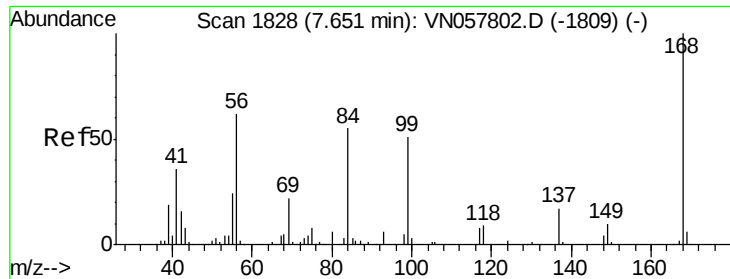
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	117359	18.062	ug/l	98
94) Hexachlorobutadiene	15.01	225	53740	19.511	ug/l	98
95) Naphthalene	15.13	128	334712	19.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	111977	20.345	ug/l	99

(#) = 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: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion:168 Resp: 316082

Ion Ratio Lower Upper

168 100

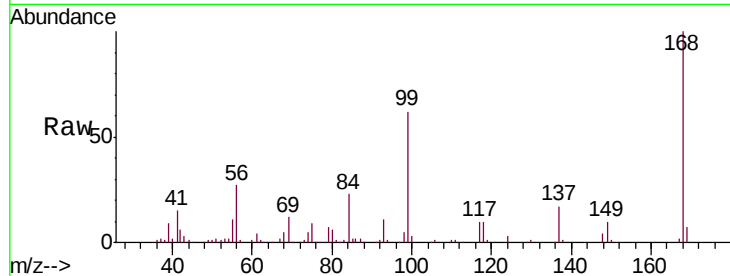
99 61.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

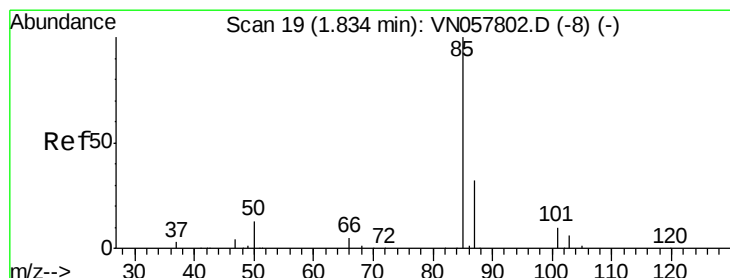
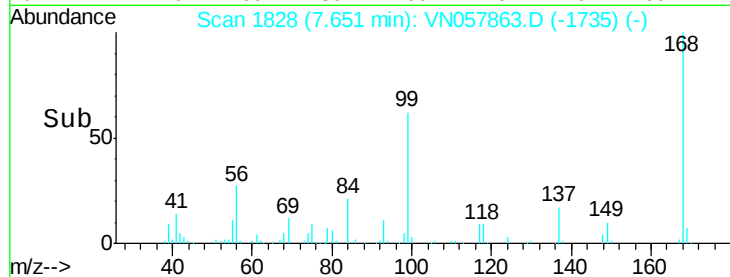
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.159 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057863.D

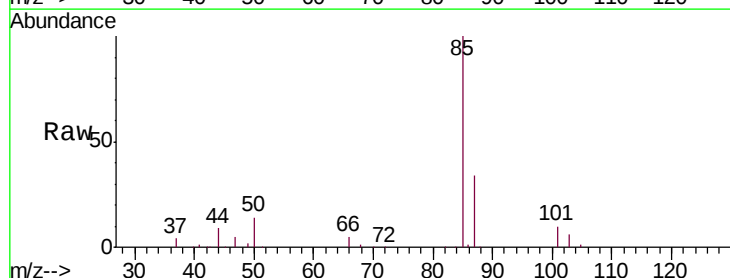
Acq: 10 Sep 2019 15:33

Tgt Ion: 85 Resp: 92491

Ion Ratio Lower Upper

85 100

87 33.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

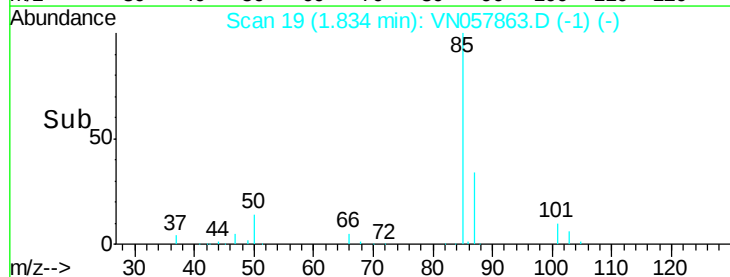
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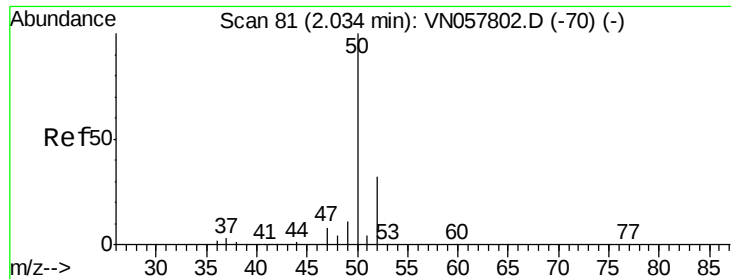
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.542 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 50 Resp: 87065

Ion Ratio Lower Upper

50 100

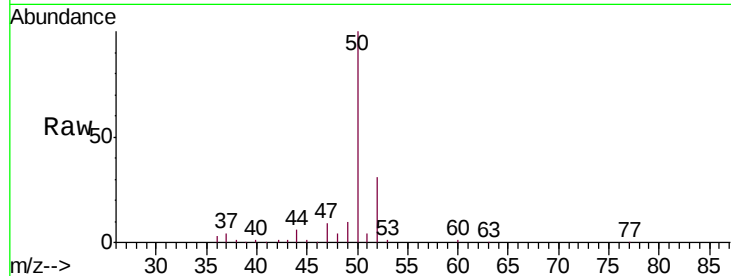
52 31.4 25.5 38.3

Manual Integrations

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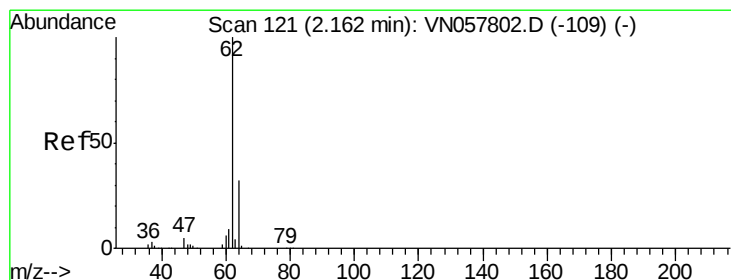
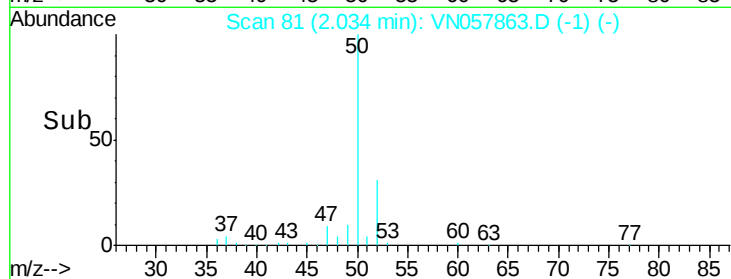
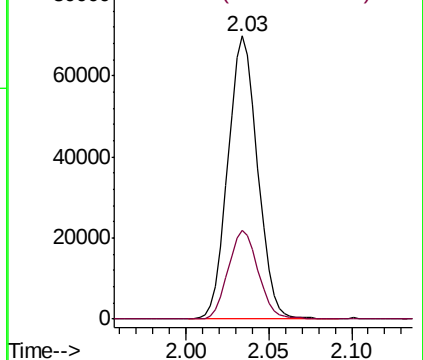
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Abundance Ion 49.90 (49.60 to 50.60): VN057863.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057863.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.558 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057863.D

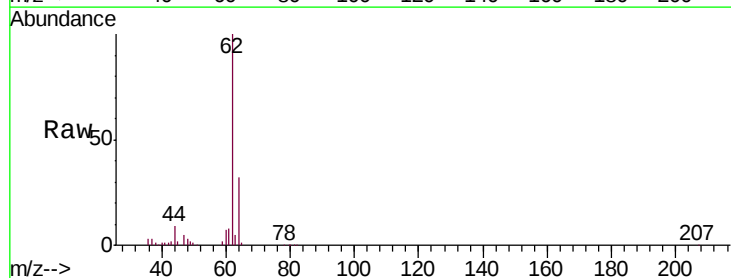
Acq: 10 Sep 2019 15:33

Tgt Ion: 62 Resp: 92220

Ion Ratio Lower Upper

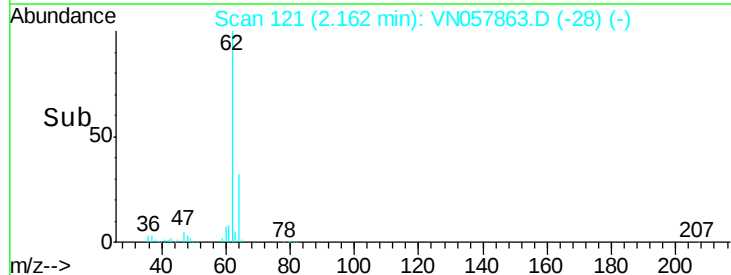
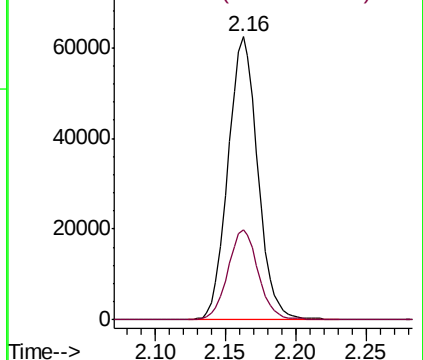
62 100

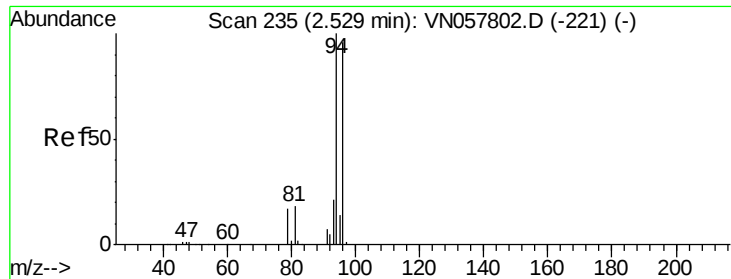
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057863.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN057863.D (-28) (-)





#5

Bromomethane

Concen: 19.762 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS01

Tgt Ion: 94 Resp: 53591

Ion Ratio Lower Upper

94 100

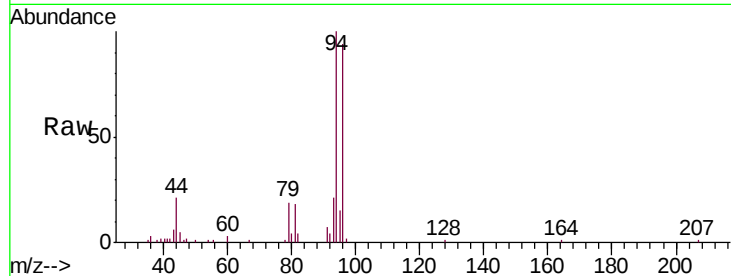
96 94.4 77.0 115.4

Manual Integrations

APPROVED

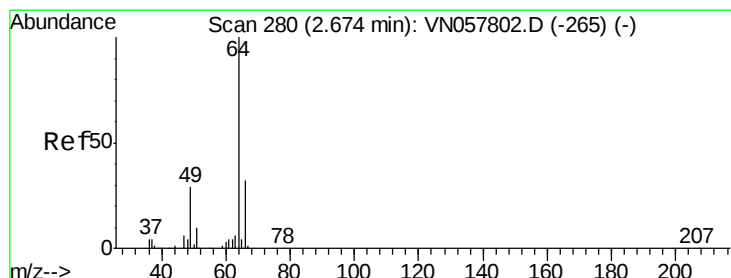
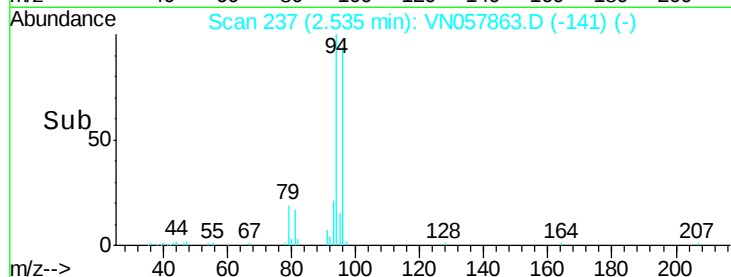
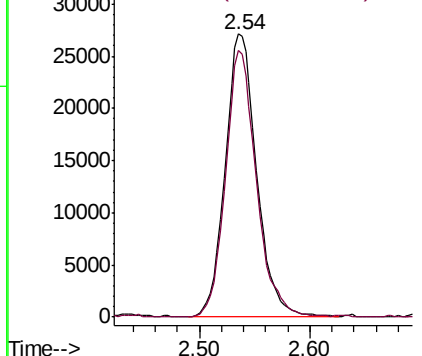
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.131 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057863.D

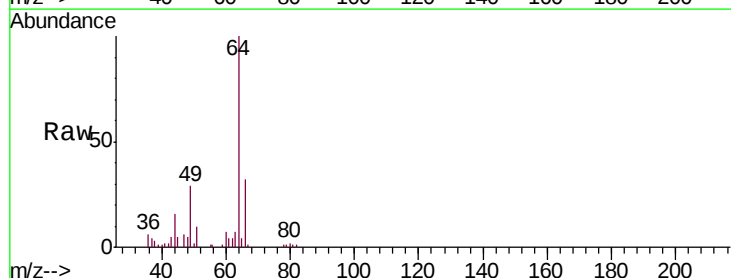
Acq: 10 Sep 2019 15:33

Tgt Ion: 64 Resp: 57483

Ion Ratio Lower Upper

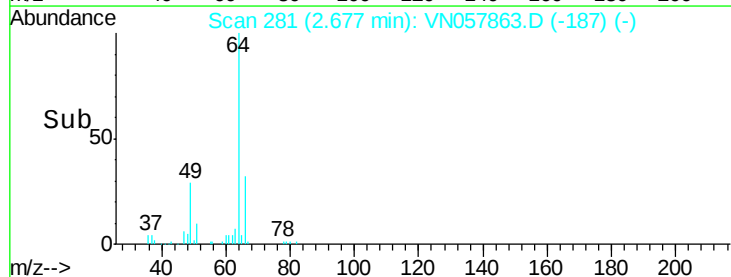
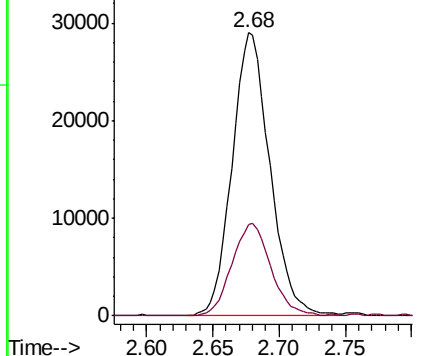
64 100

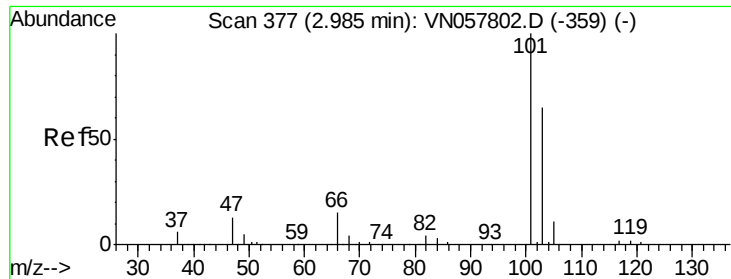
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

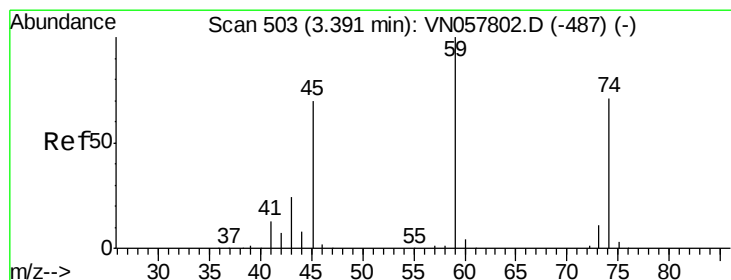
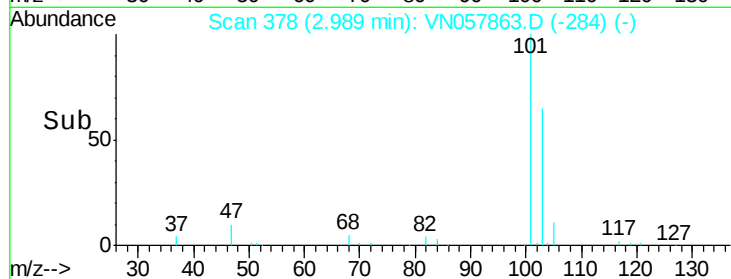
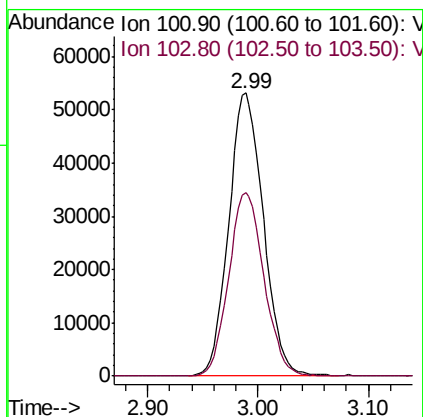
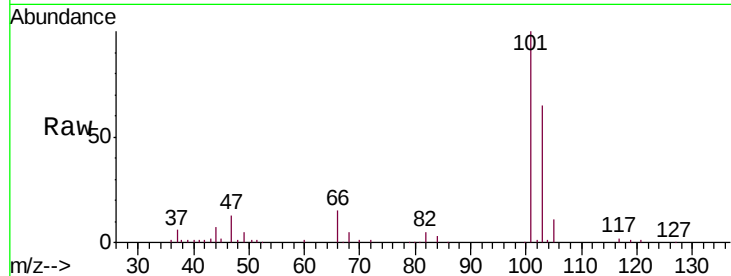
Trichlorofluoromethane
Concen: 19.480 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11595		
103	64.6	51.9	77.9	

Manual Integrations
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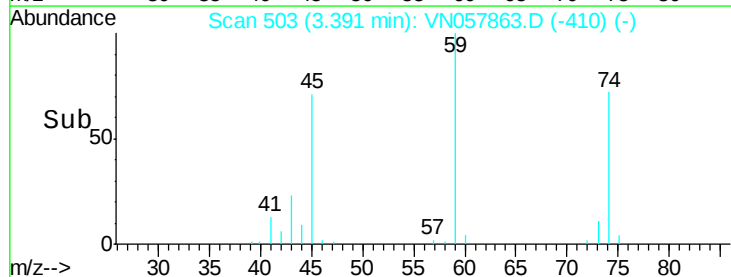
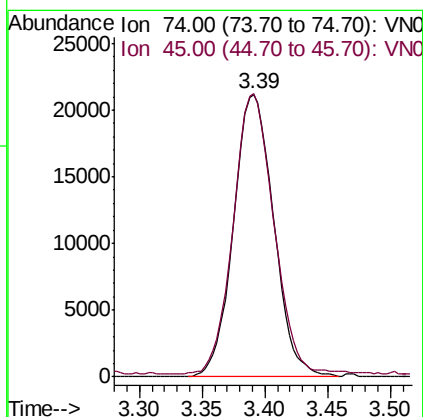
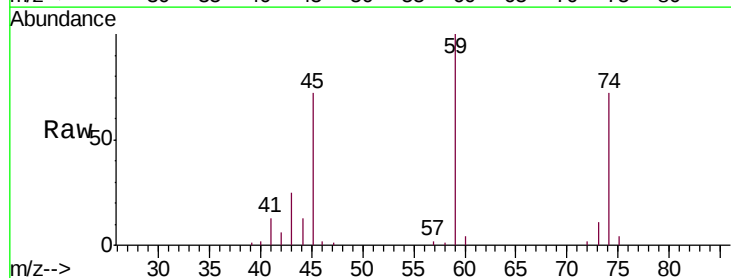
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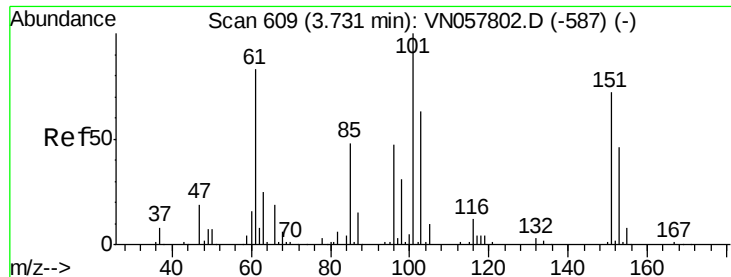


#8

Diethyl Ether
Concen: 19.044 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47133		
45	99.8	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.273 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

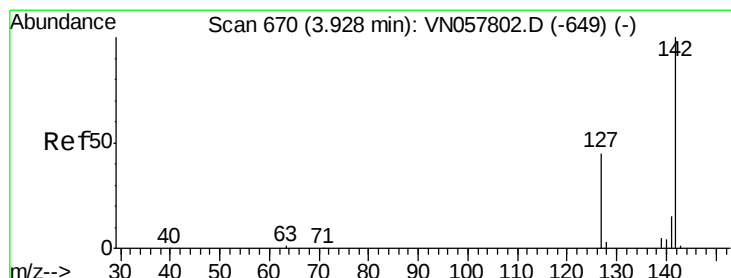
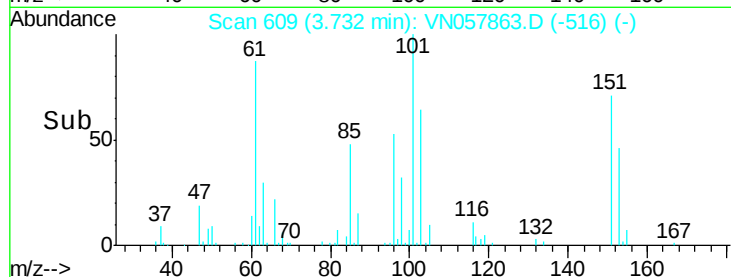
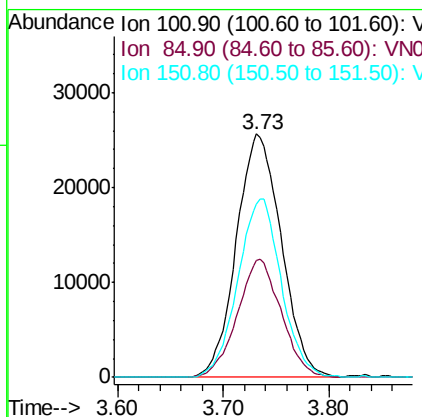
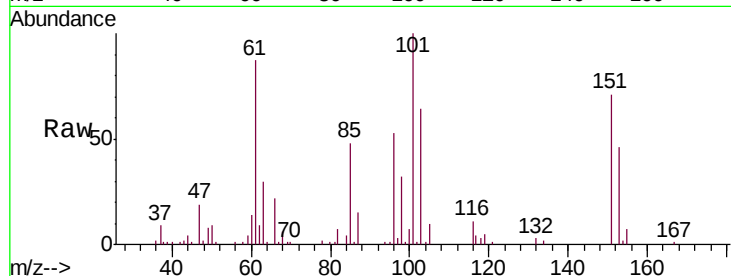
ClientSampleId :

VN0911WBS01

Tgt Ion:	101	Resp:	75888
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.1	57.1
151	70.8	58.4	87.6

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#10

Methyl Iodide

Concen: 17.777 ug/l

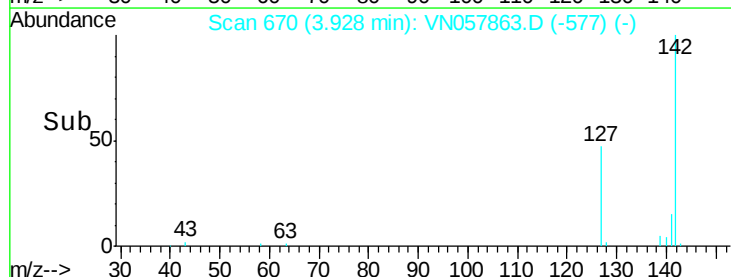
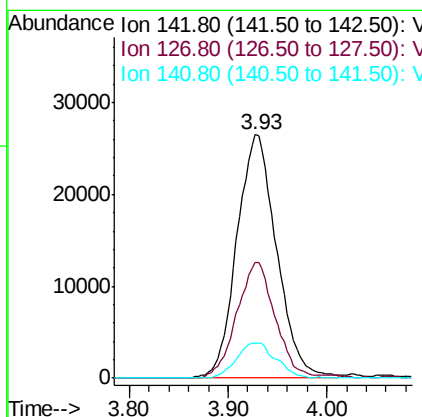
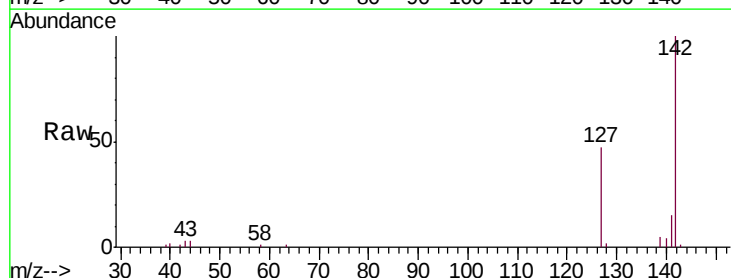
RT: 3.93 min Scan# 670

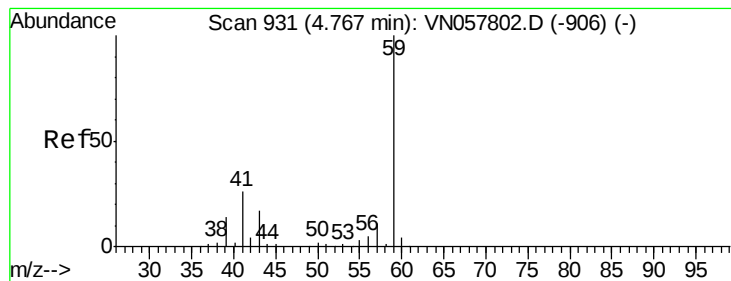
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	142	Resp:	74053
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	14.2	11.4	17.0





#11

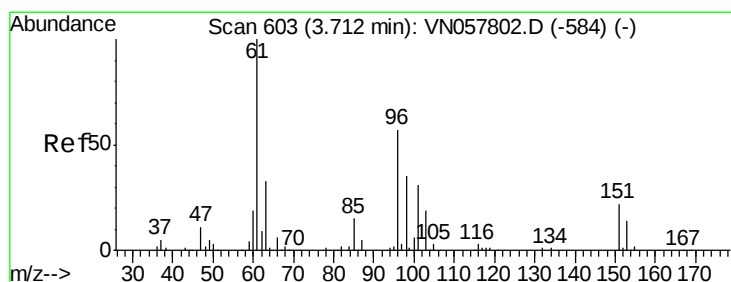
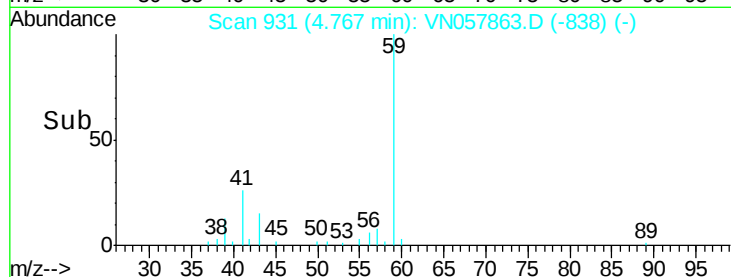
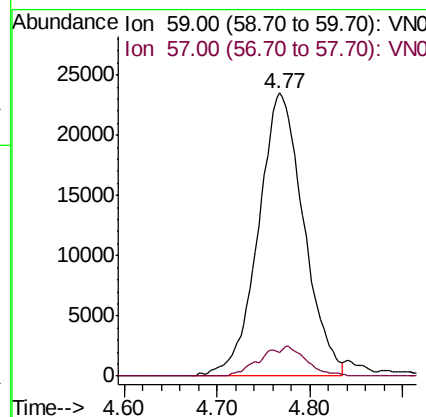
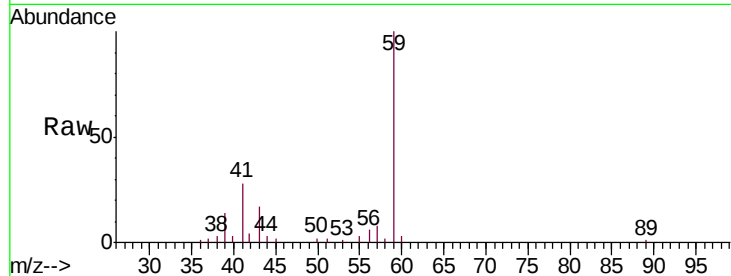
Tert butyl alcohol
Concen: 103.453 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.4	12.6#

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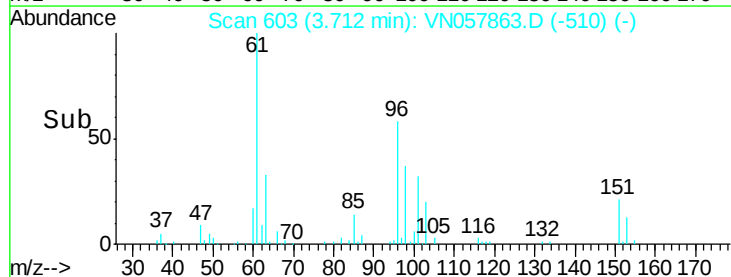
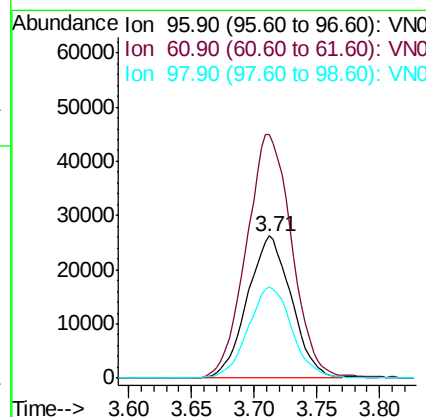
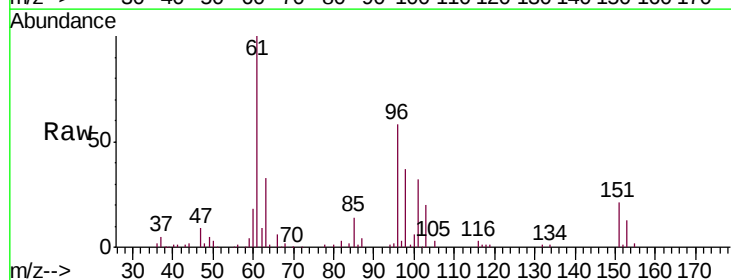
MMDadoda
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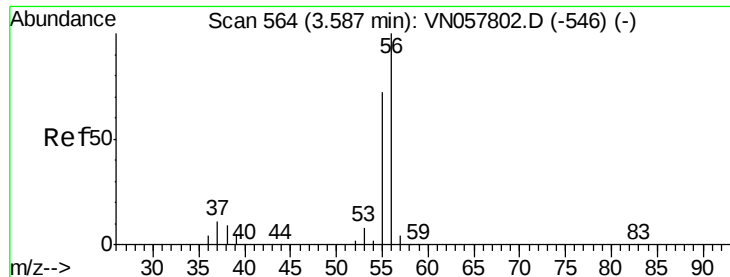


#12

1,1-Dichloroethene
Concen: 19.023 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	141.2	211.8
98	63.9	49.9	74.9





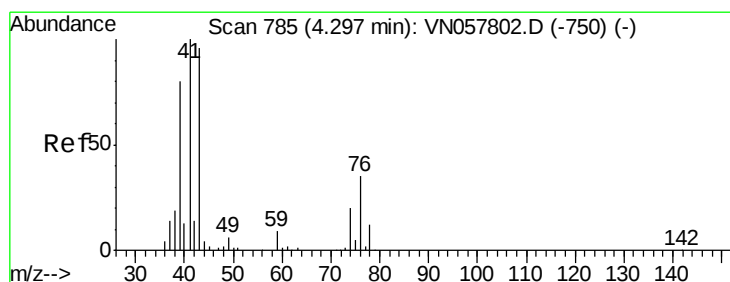
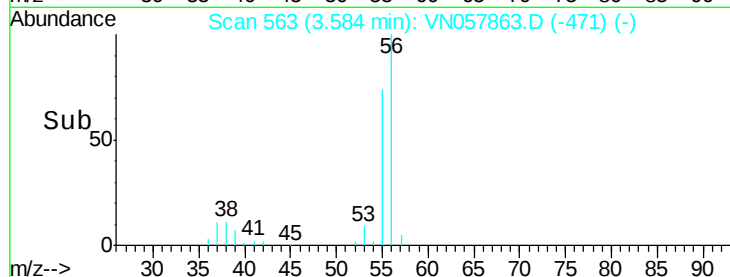
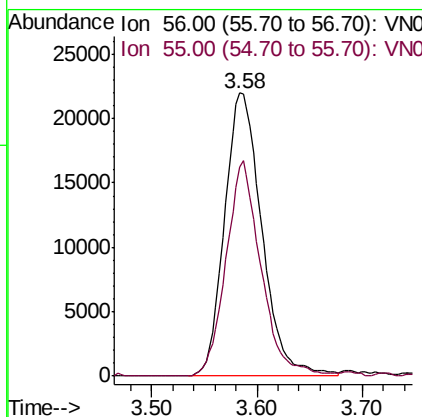
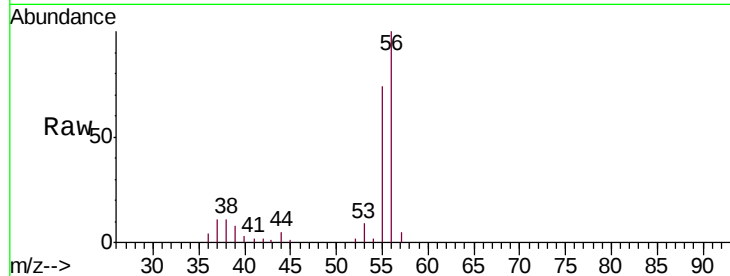
#13
Acrolein
Concen: 81.979 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 56 Resp: 53891
Ion Ratio Lower Upper
56 100
55 71.3 57.3 85.9

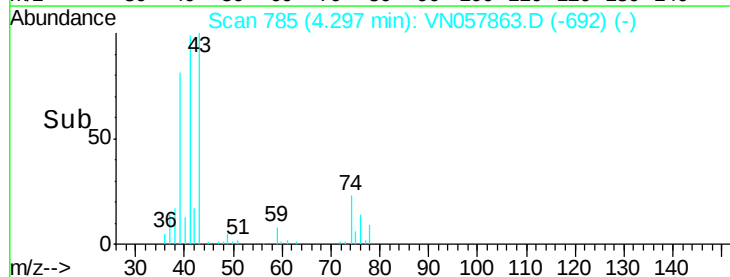
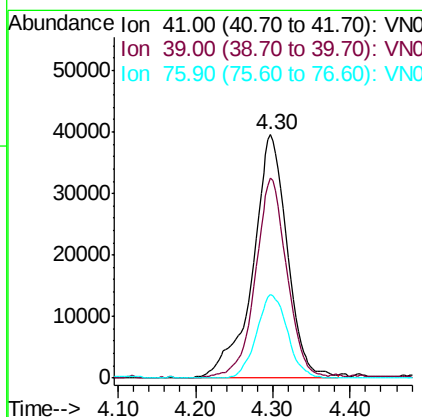
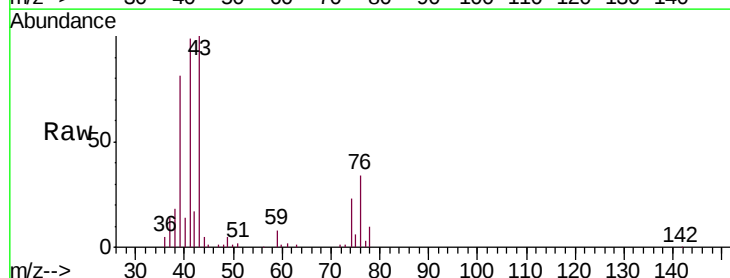
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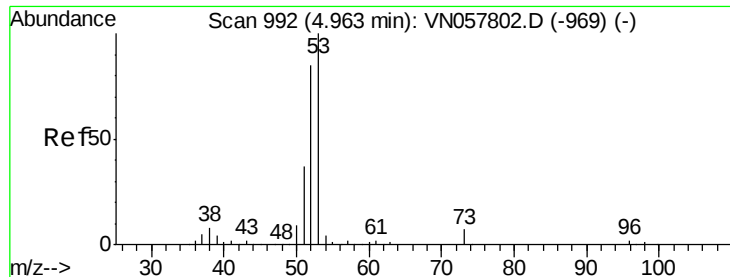
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#14
Allyl chloride
Concen: 18.677 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 41 Resp: 123023
Ion Ratio Lower Upper
41 100
39 75.2 59.4 89.2
76 30.8 26.0 39.0





#15

Acrylonitrile

Concen: 100.105 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

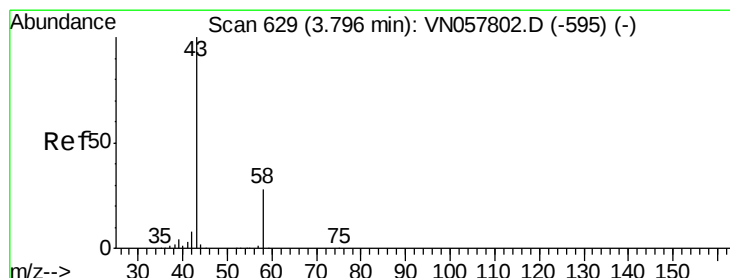
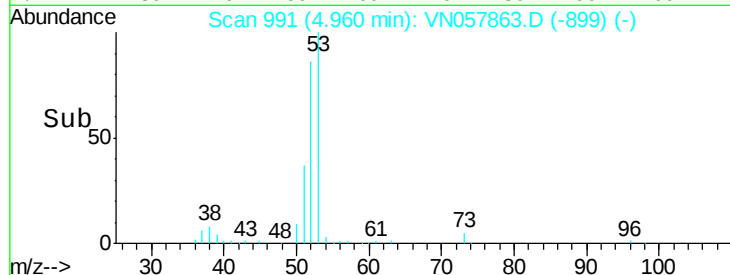
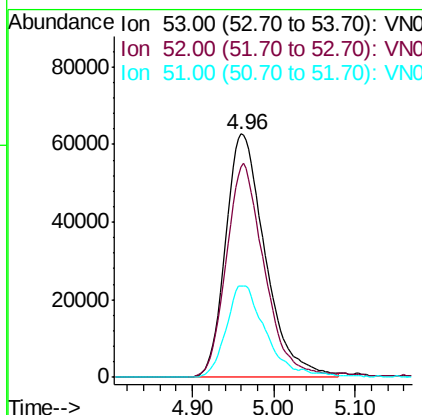
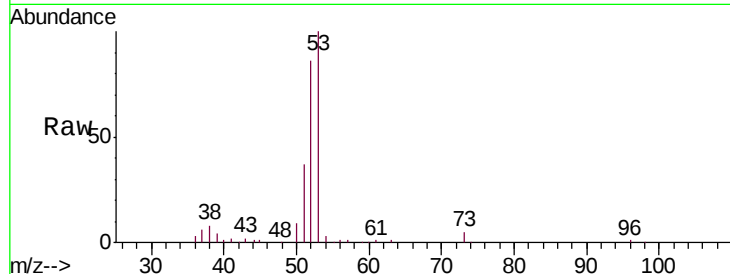
ClientSampleId :

VN0911WBS01

Tgt Ion:	53	Resp:	213197
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.6	100.0
51	36.3	29.8	44.8

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#16

Acetone

Concen: 101.372 ug/l

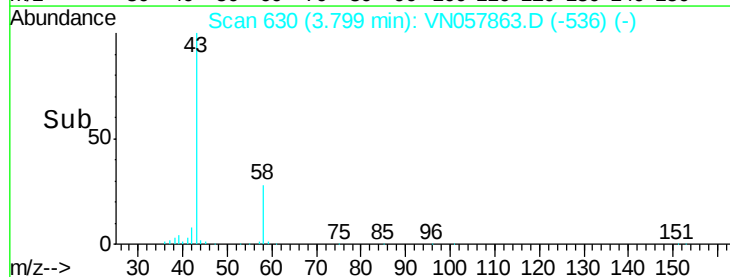
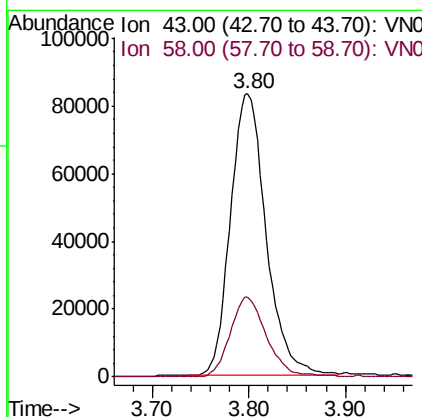
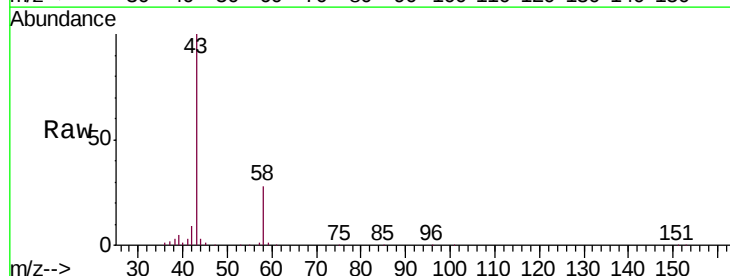
RT: 3.80 min Scan# 630

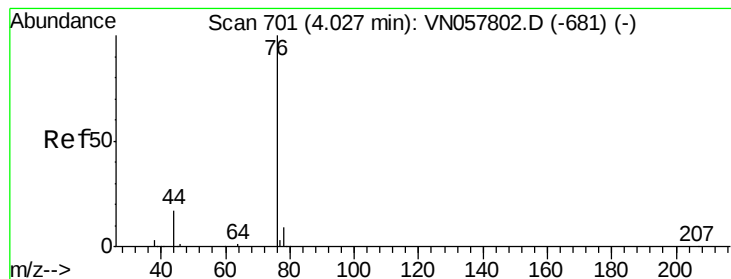
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	43	Resp:	212749
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.2	33.2





#17

Carbon Disulfide

Concen: 17.831 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 76 Resp: 92870

Ion Ratio Lower Upper

76 100

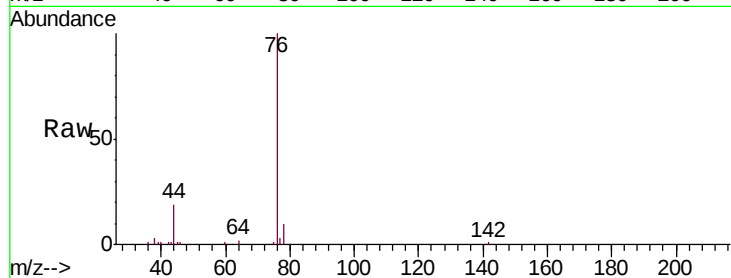
78 9.7 7.1 10.7

Manual Integrations

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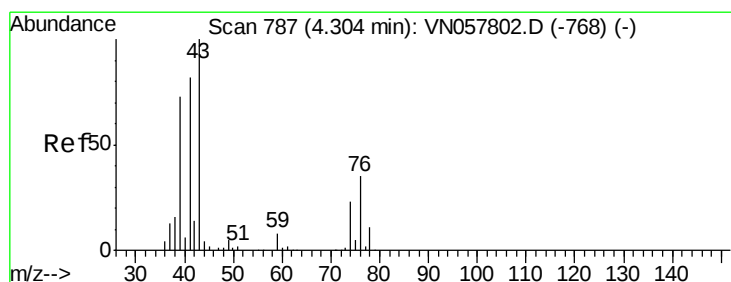
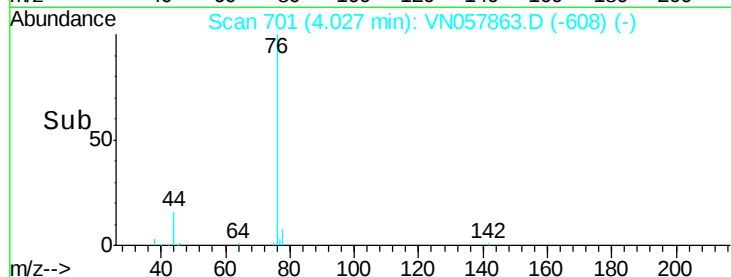
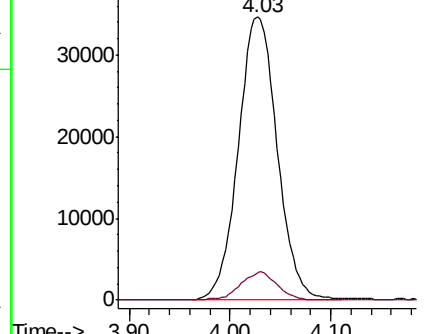
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.572 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057863.D

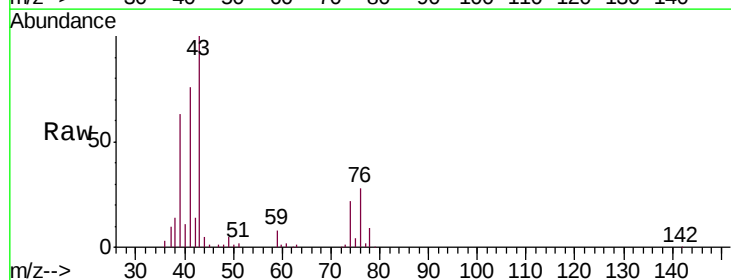
Acq: 10 Sep 2019 15:33

Tgt Ion: 43 Resp: 126304

Ion Ratio Lower Upper

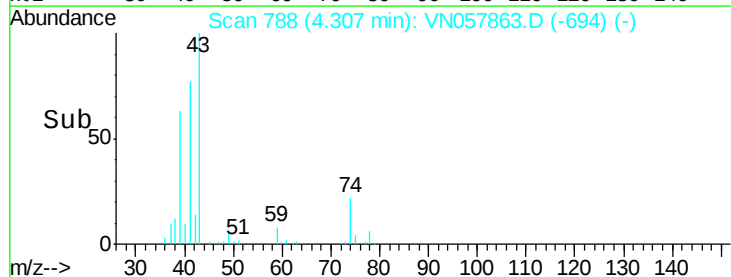
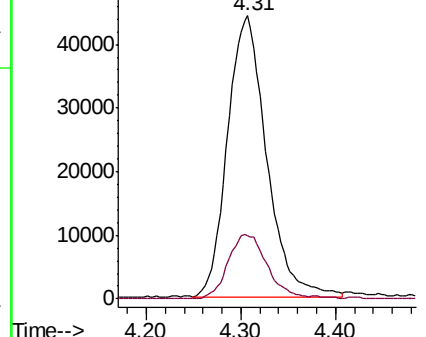
43 100

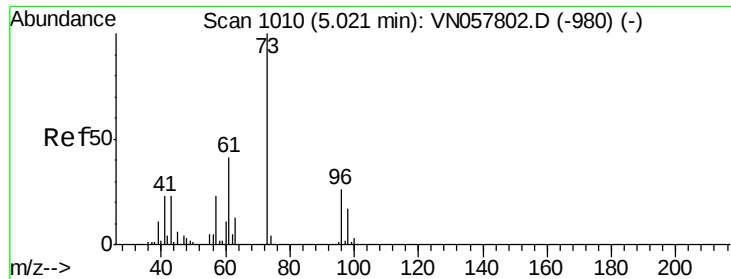
74 22.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





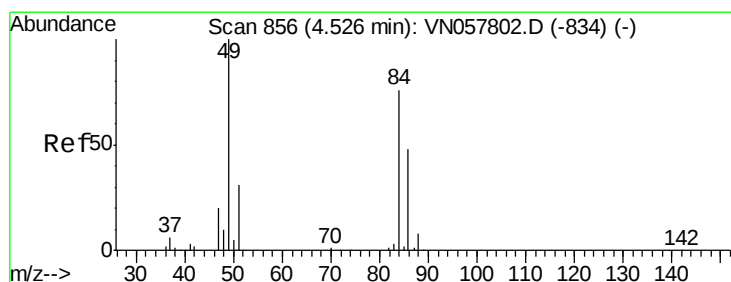
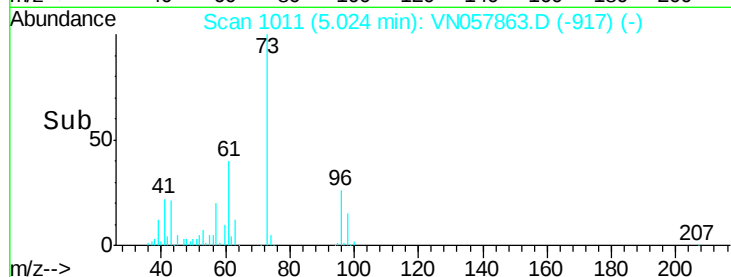
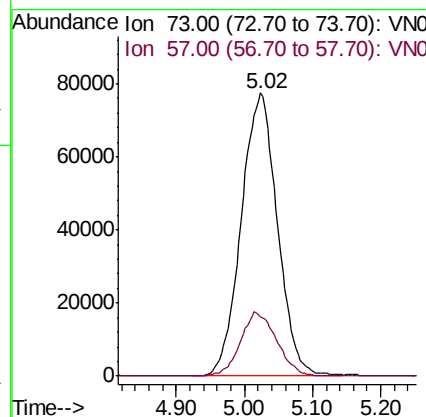
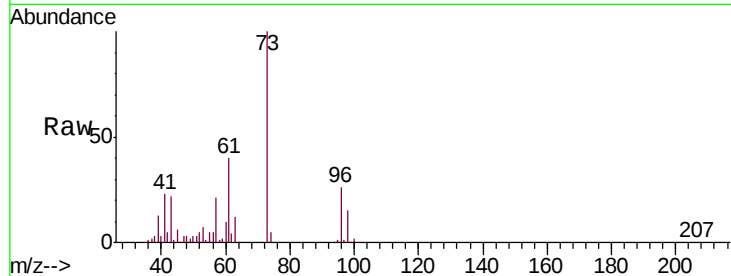
#19
Methyl tert-butyl Ether
Concen: 20.377 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 73 Resp: 285421
Ion Ratio Lower Upper
73 100
57 20.9 18.2 27.2

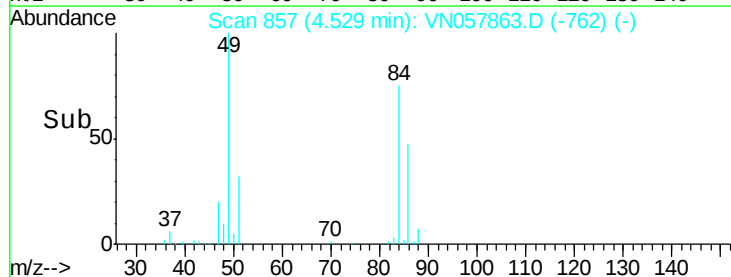
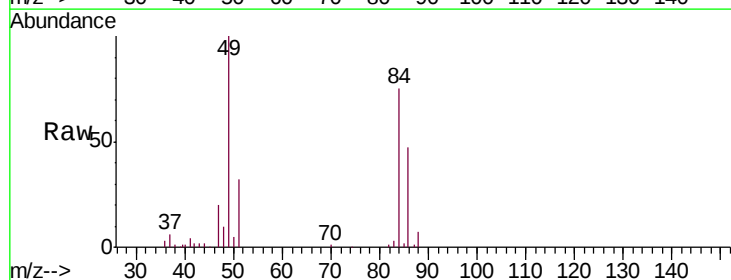
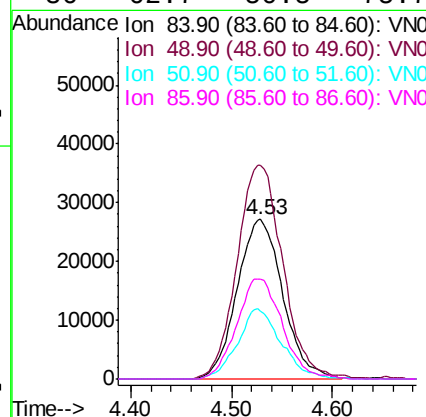
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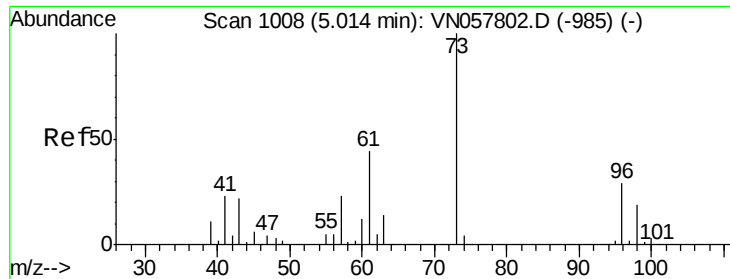
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#20
Methylene Chloride
Concen: 20.643 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 84 Resp: 85363
Ion Ratio Lower Upper
84 100
49 133.8 104.8 157.2
51 42.8 33.0 49.4
86 62.7 50.5 75.7





#21

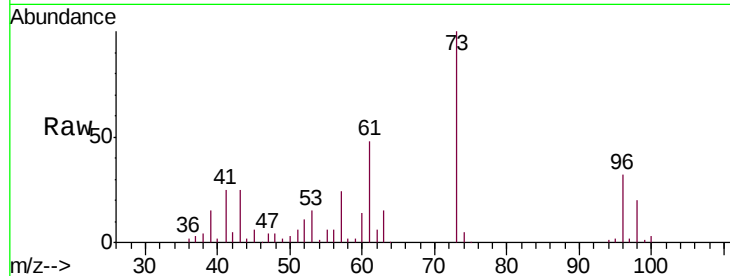
trans-1,2-Dichloroethene
Concen: 19.163 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

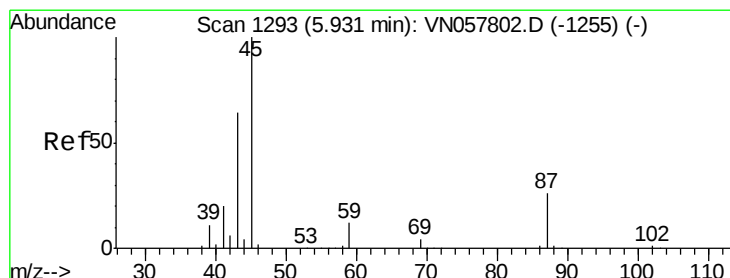
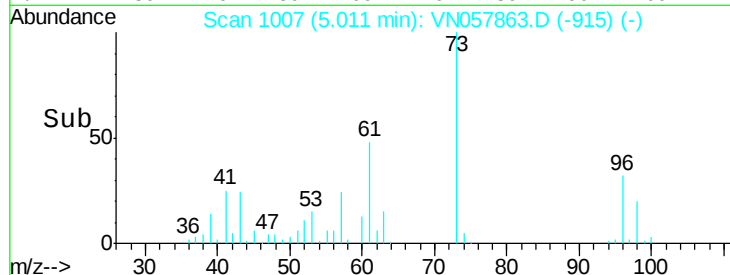
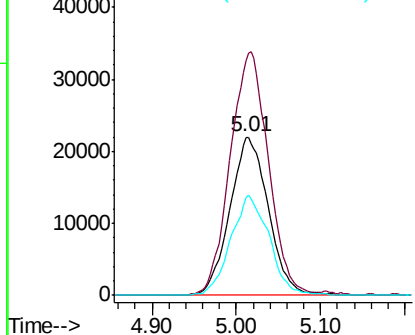
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	121.9	182.9
98	61.6	52.2	78.4

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

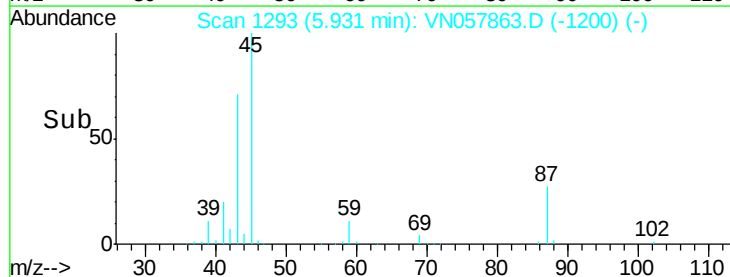
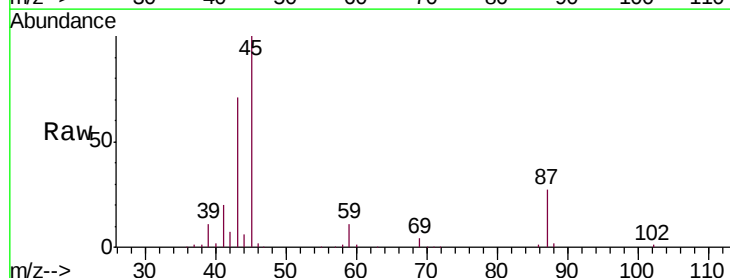
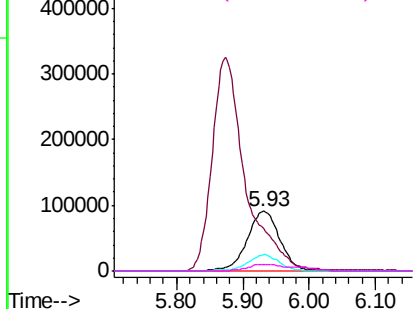


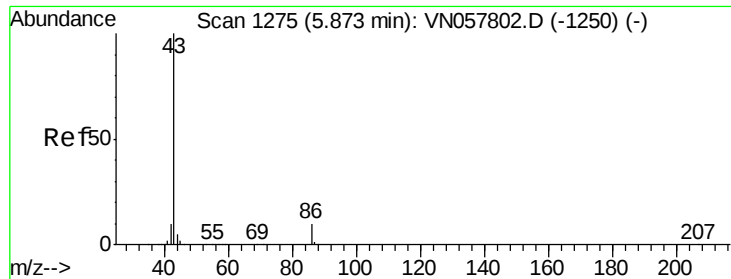
#22

Diisopropyl ether
Concen: 20.320 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	51.4	77.2
87	26.7	21.3	31.9
59	11.1	9.3	13.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





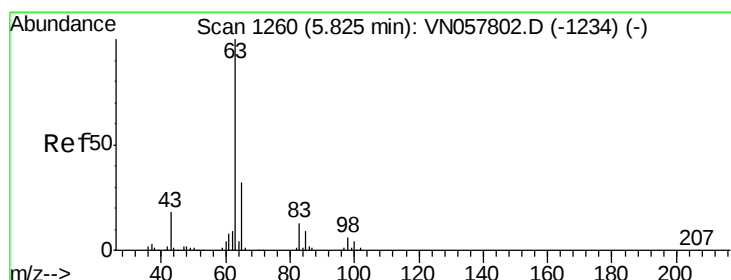
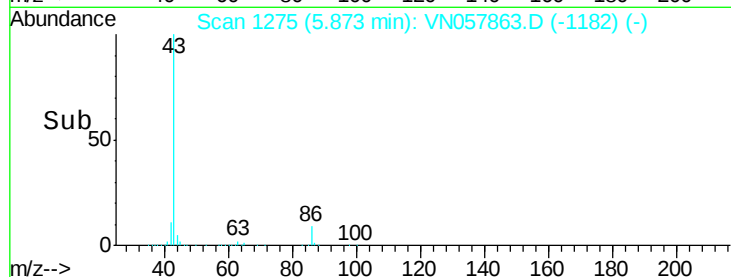
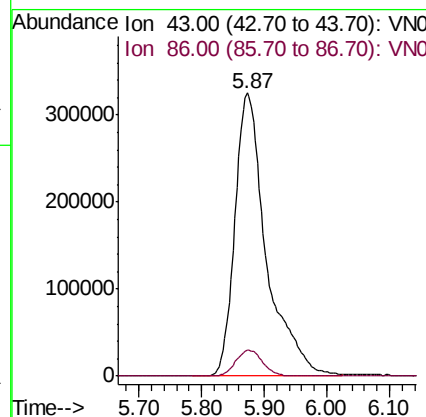
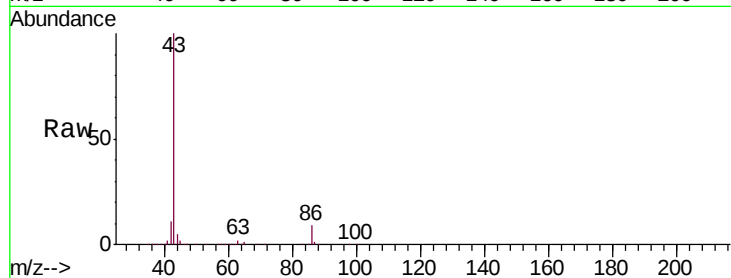
#23
 Vinyl Acetate
 Concen: 103.479 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion: 43 Resp: 1132778
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.7 11.5

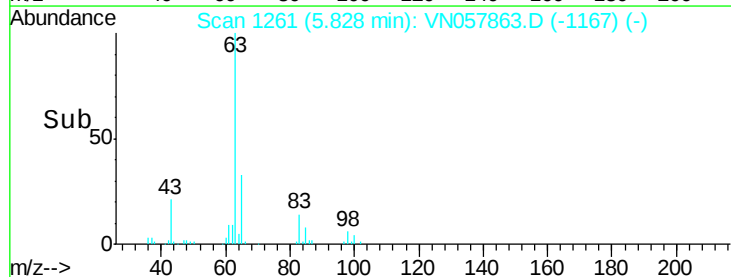
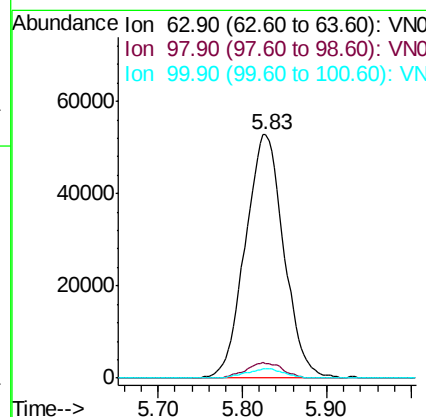
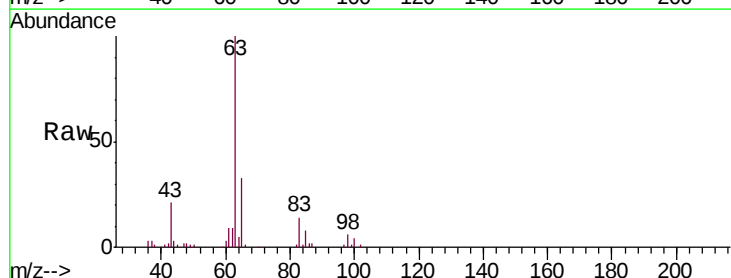
Manual Integrations
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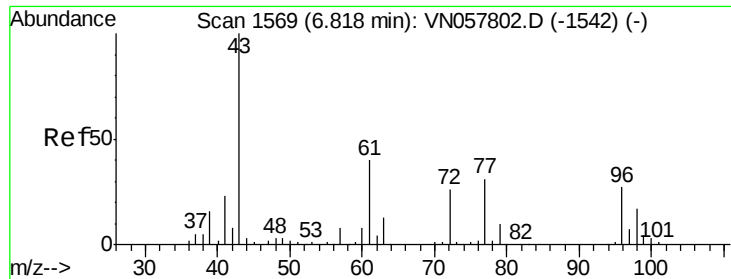
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#24
 1,1-Dichloroethane
 Concen: 19.817 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion: 63 Resp: 167290
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 4.0 2.0 5.8





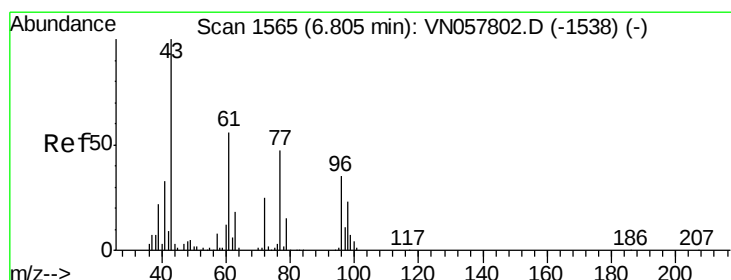
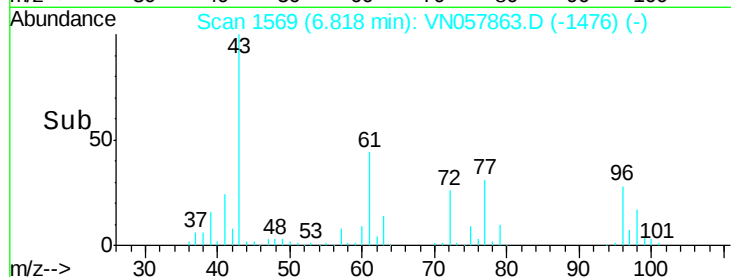
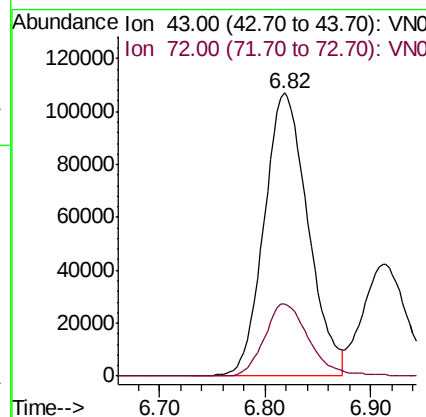
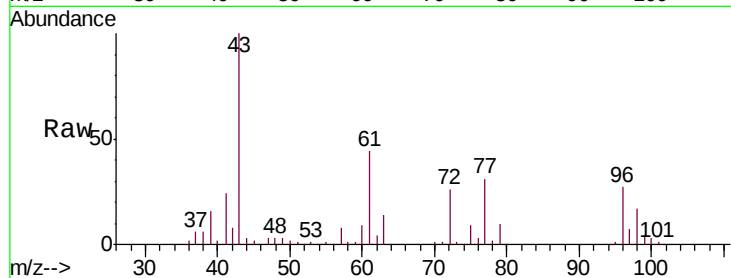
#25
2-Butanone
Concen: 101.465 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 43 Resp: 308203
Ion Ratio Lower Upper
43 100
72 25.7 20.6 30.8

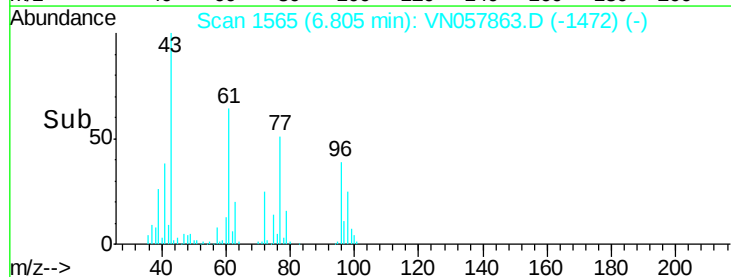
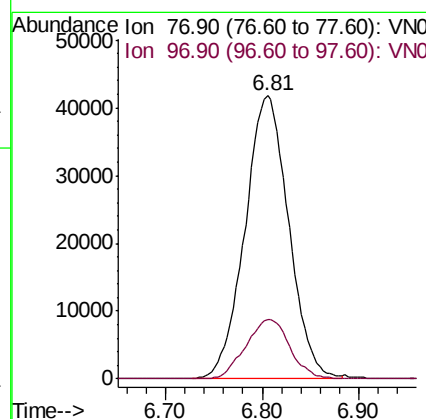
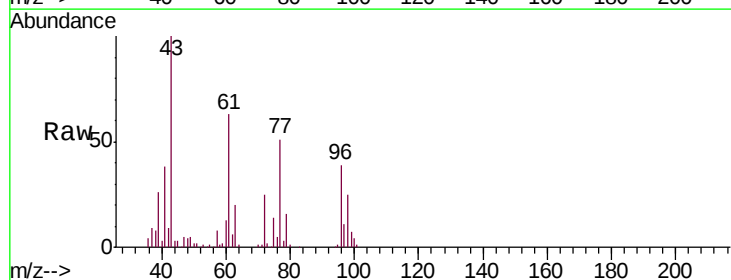
Manual Integrations
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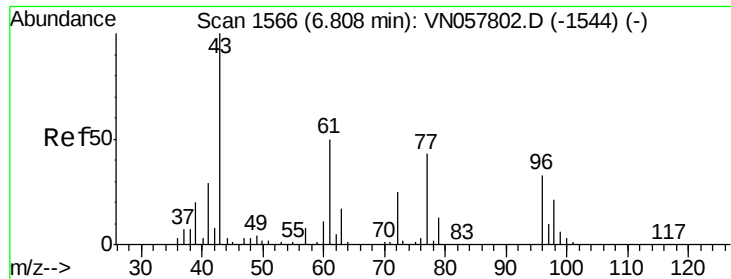
MMDadoda
9/13/2019 7:06:08 AM



#26
2,2-Dichloropropane
Concen: 19.631 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 77 Resp: 131153
Ion Ratio Lower Upper
77 100
97 21.1 11.1 33.3





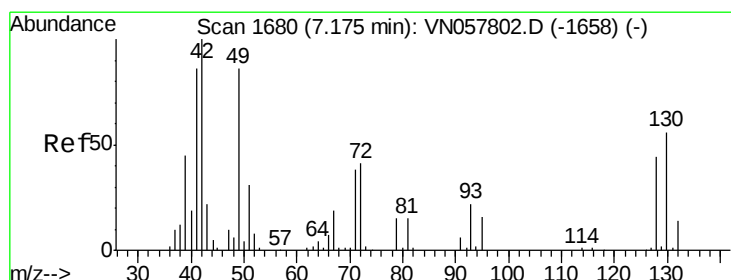
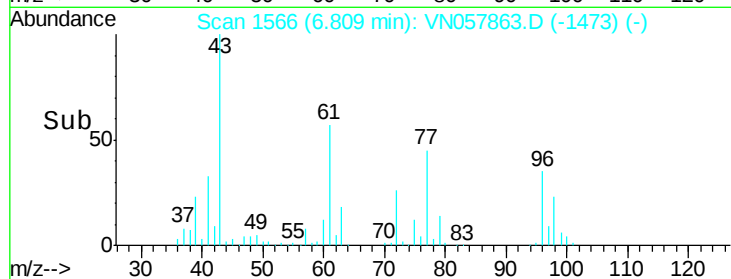
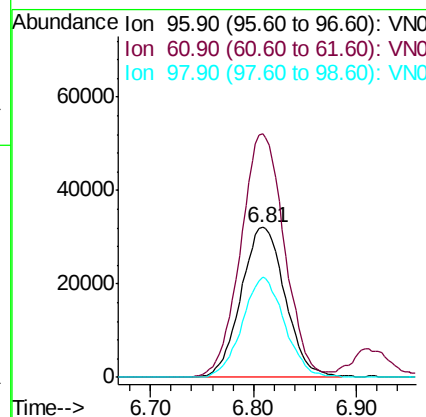
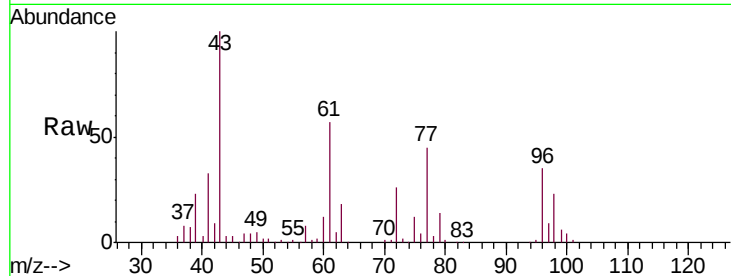
#27
 cis-1,2-Dichloroethene
 Concen: 19.599 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	95561		
61	160.7	0.0	314.0	
98	63.8	0.0	128.6	

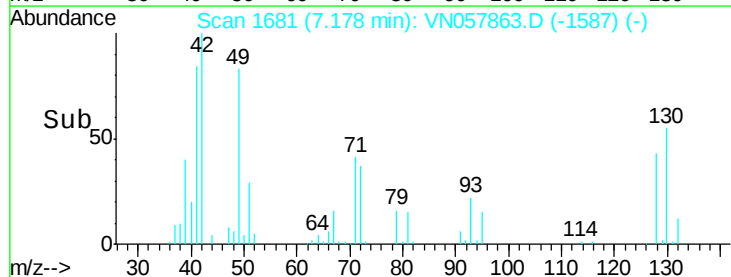
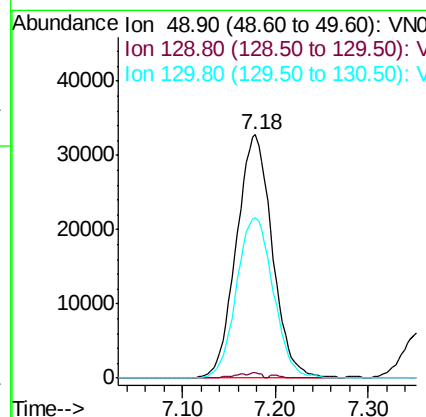
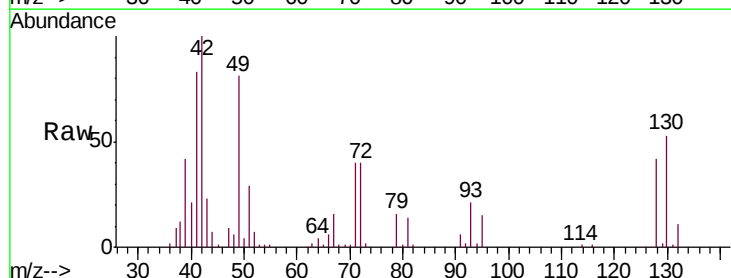
Manual Integrations
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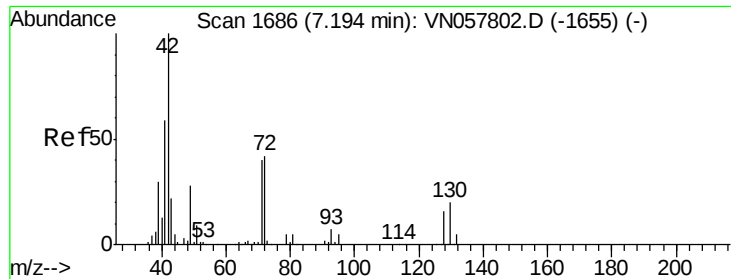
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#28
 Bromochloromethane
 Concen: 20.890 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88103		
129	0.7	0.0	3.8	
130	67.2	53.0	79.6	





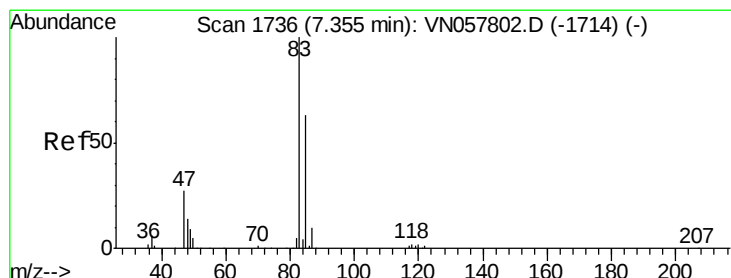
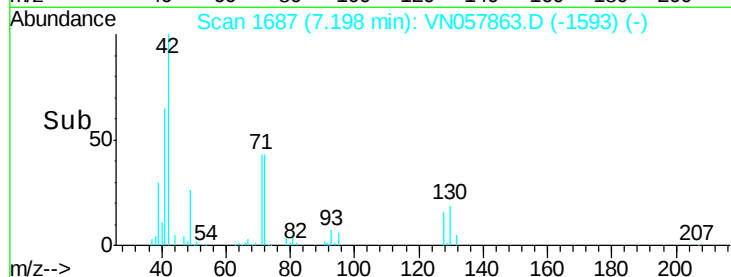
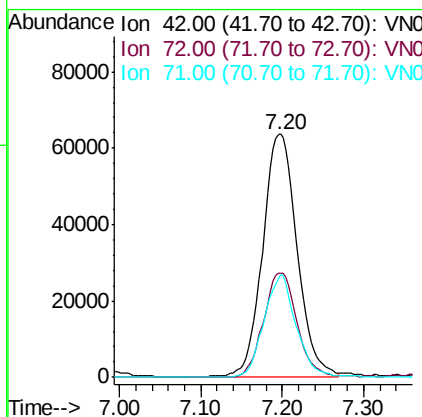
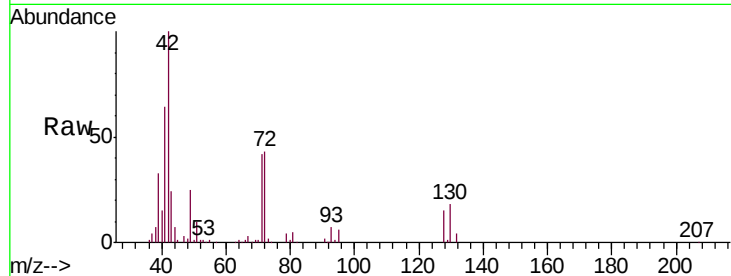
#29
Tetrahydrofuran
Concen: 100.936 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.0	31.9	47.9

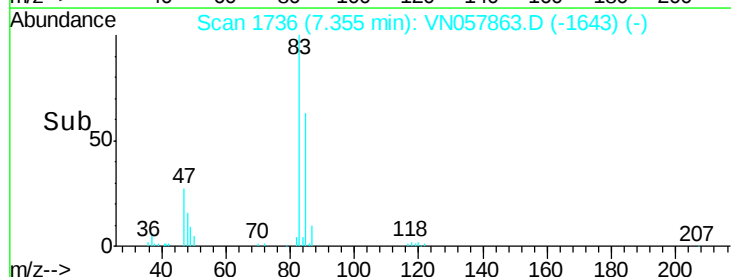
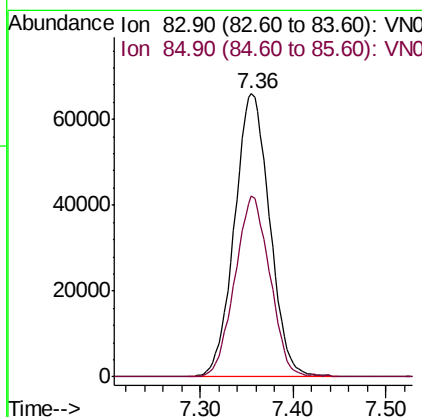
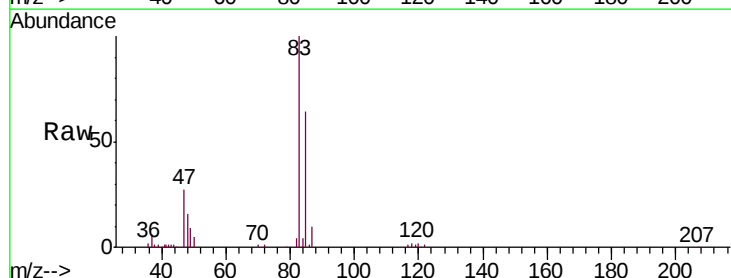
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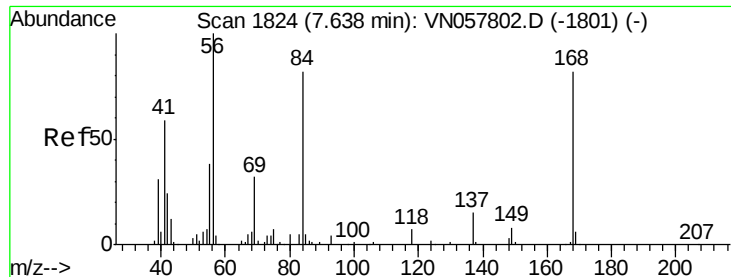
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#30
Chloroform
Concen: 19.674 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8





#31

Cyclohexane

Concen: 20.180 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

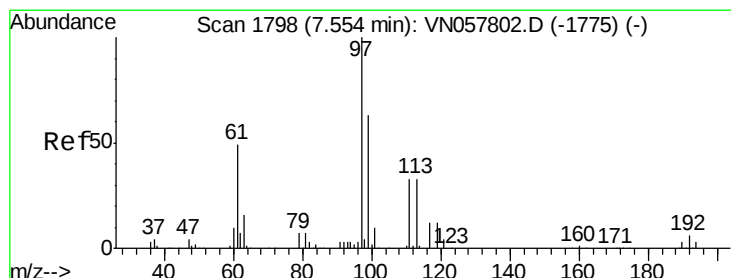
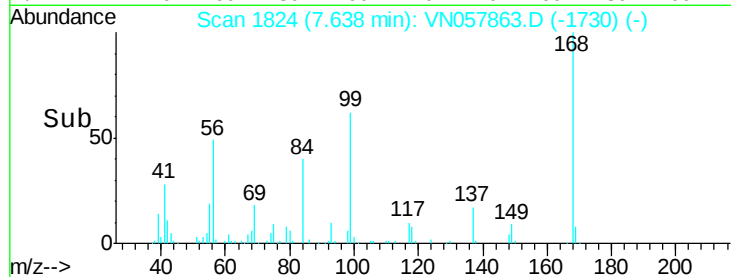
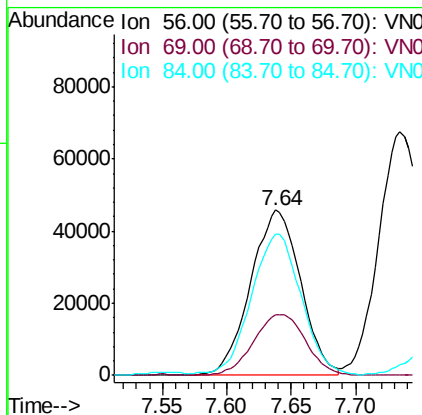
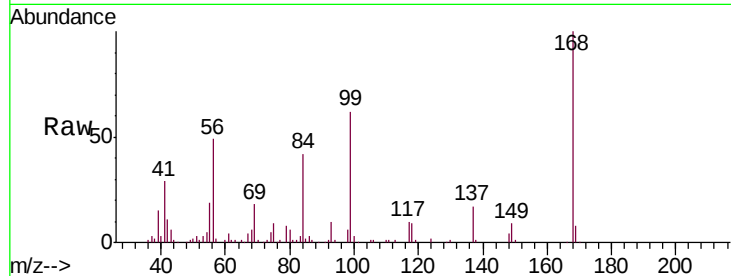
ClientSampleId :

VN0911WBS01

Tgt Ion:	56	Resp:	123763
Ion Ratio		Lower	Upper
56	100		
69	36.5	25.9	38.9
84	84.6	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.639 ug/l

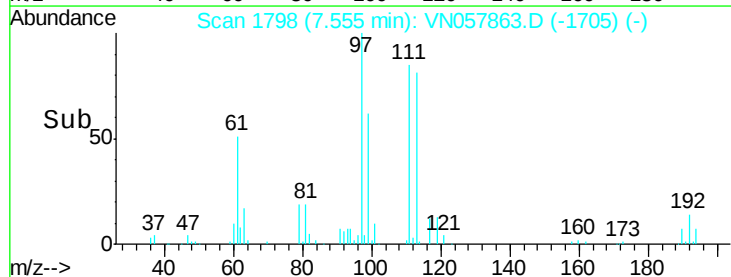
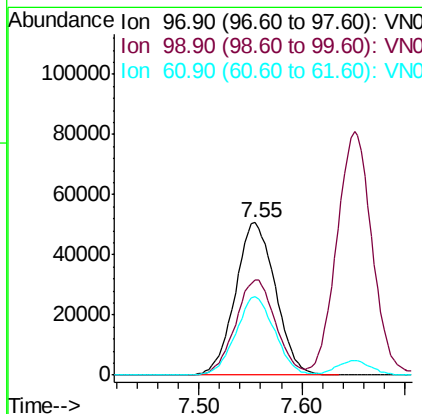
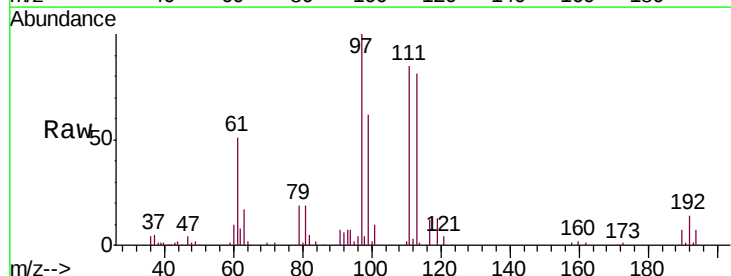
RT: 7.55 min Scan# 1798

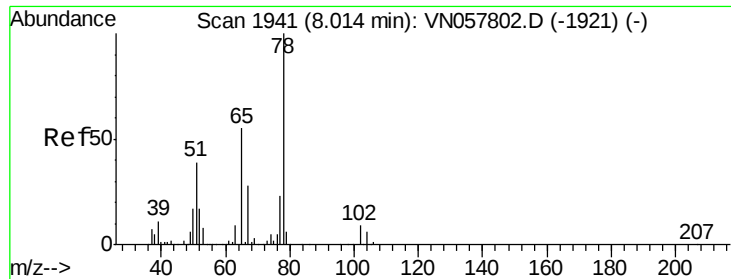
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	97	Resp:	137480
Ion Ratio		Lower	Upper
97	100		
99	62.1	51.0	76.4
61	49.7	39.0	58.6





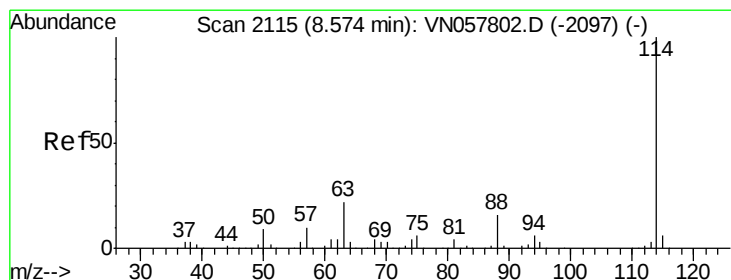
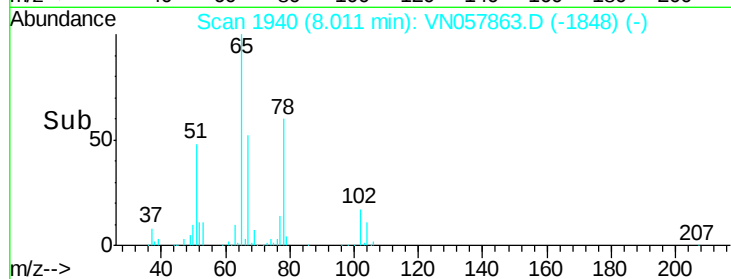
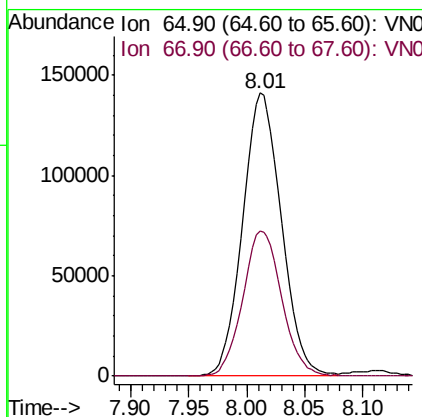
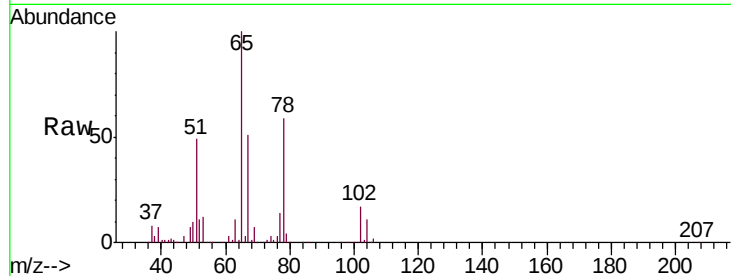
#33
 1,2-Dichloroethane-d4
 Concen: 51.364 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	328832		
67	51.5	0.0	104.0	

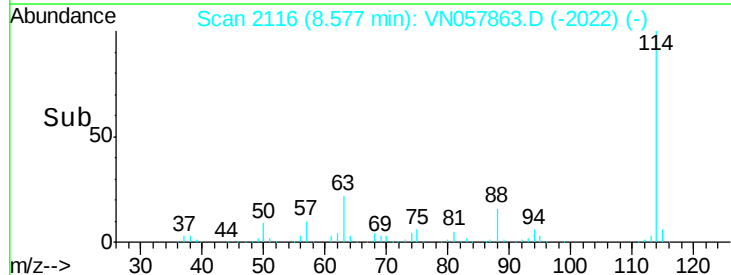
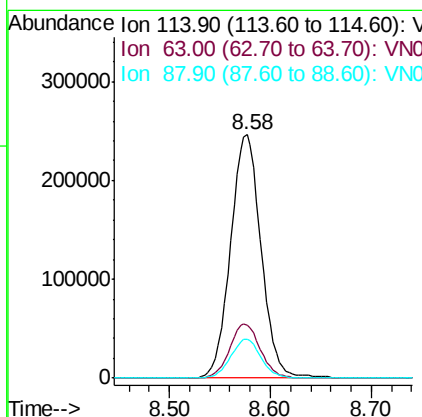
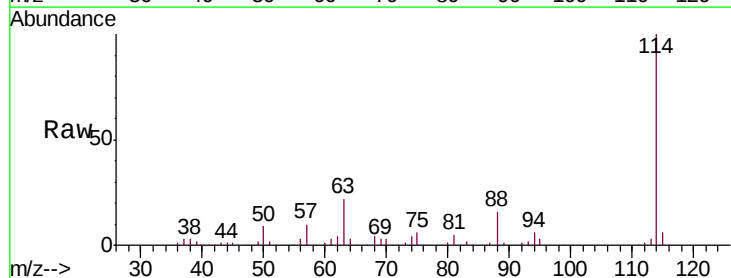
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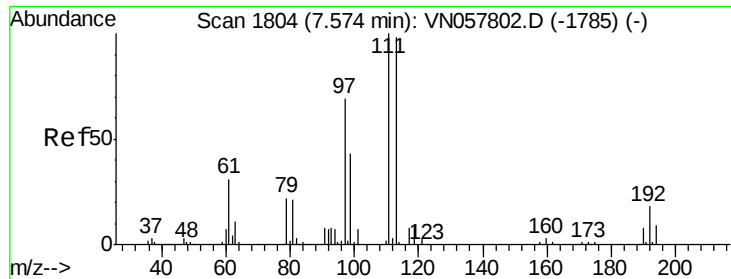
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	517547		
63	21.9	0.0	44.0	
88	16.1	0.0	31.4	





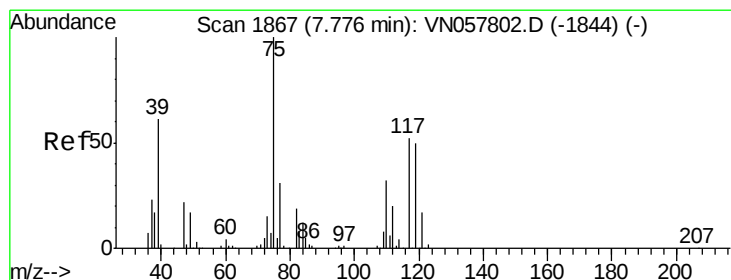
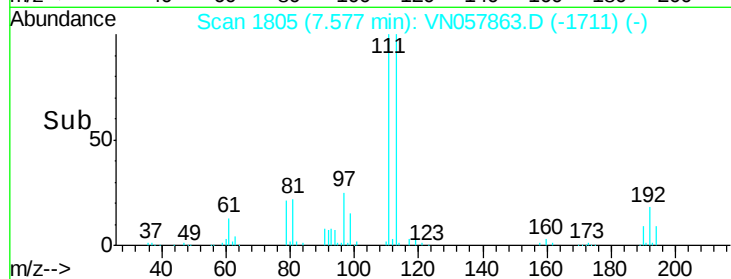
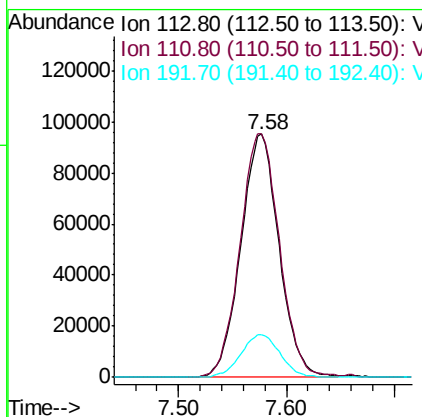
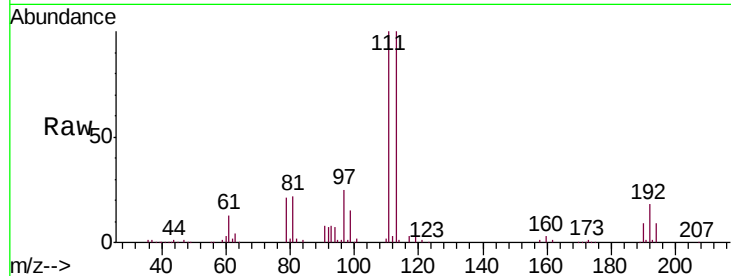
#35
Dibromofluoromethane
Concen: 48.984 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	233983		
111	103.4	81.3	121.9	
192	18.1	14.6	22.0	

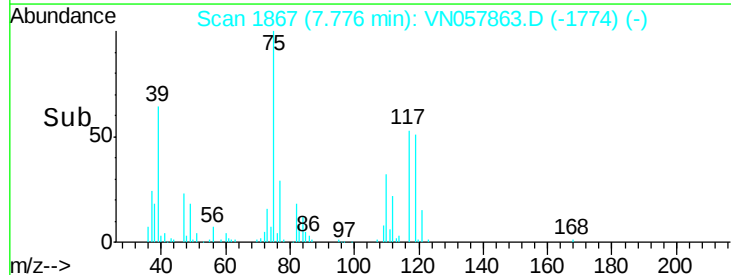
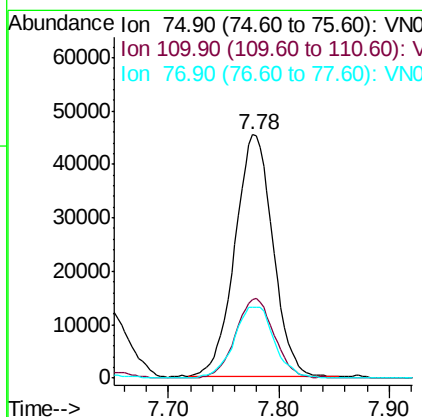
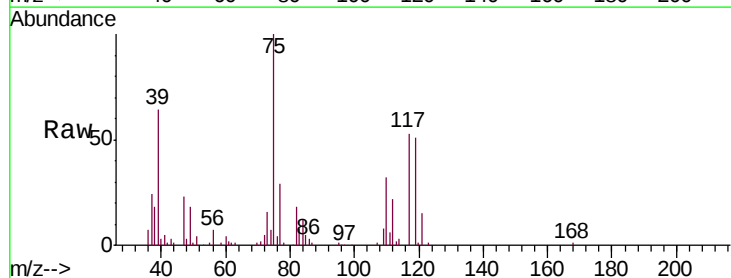
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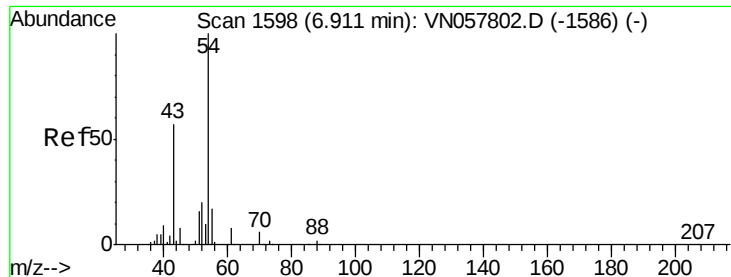
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#36
1,1-Dichloropropene
Concen: 18.055 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108369		
110	33.4	16.3	48.9	
77	31.2	25.0	37.4	





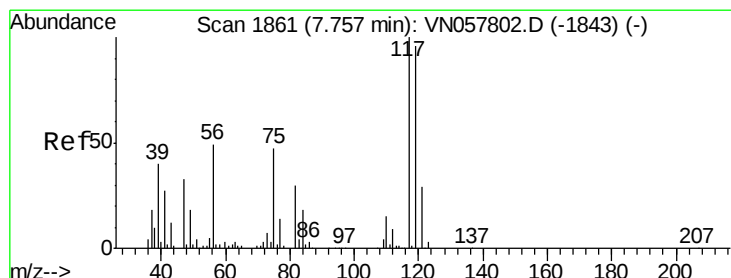
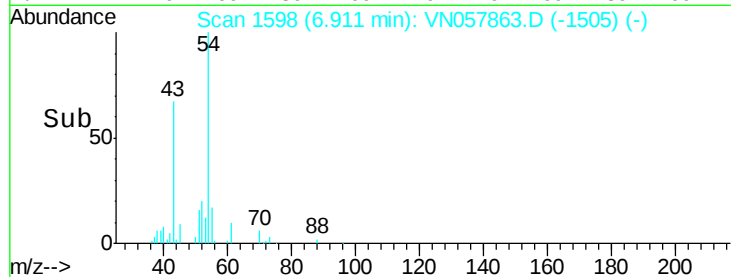
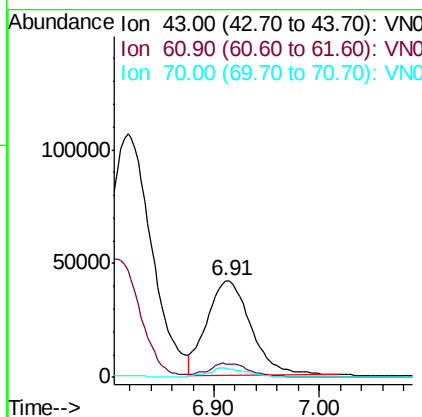
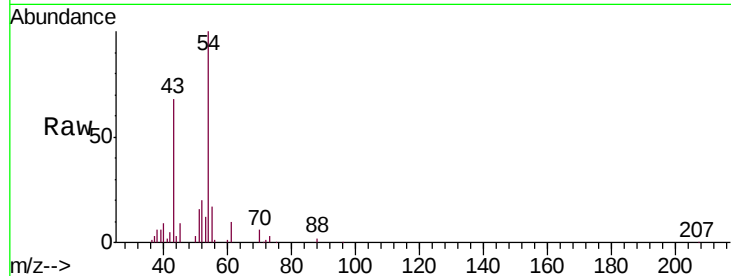
#37
Ethyl Acetate
Concen: 19.614 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.0	7.4	11.0

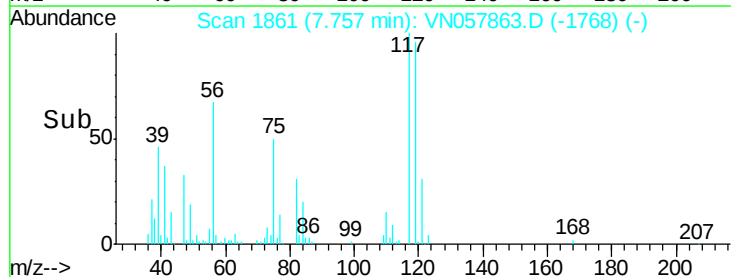
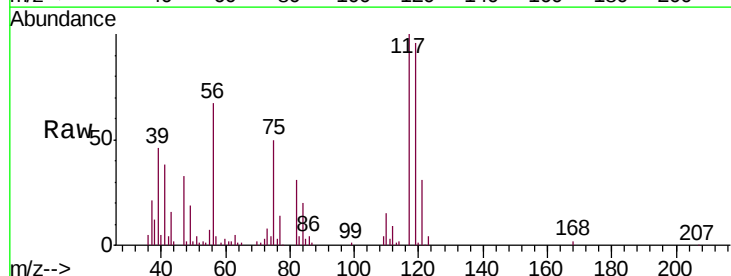
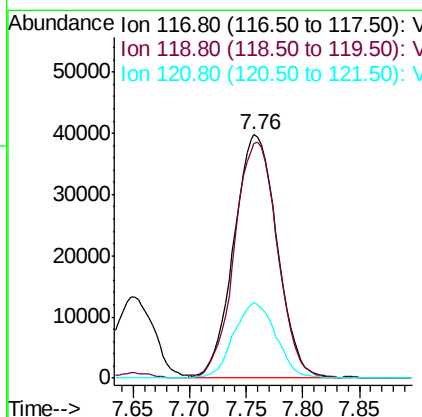
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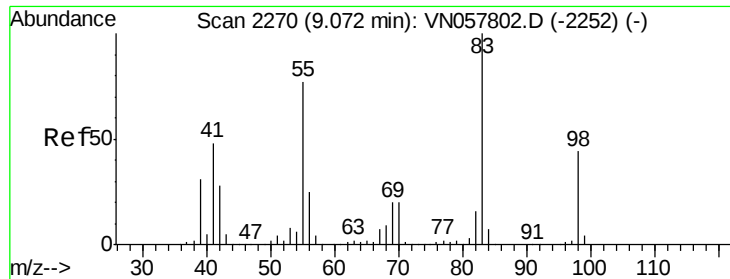
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#38
Carbon Tetrachloride
Concen: 19.307 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	31.0	23.4	35.2





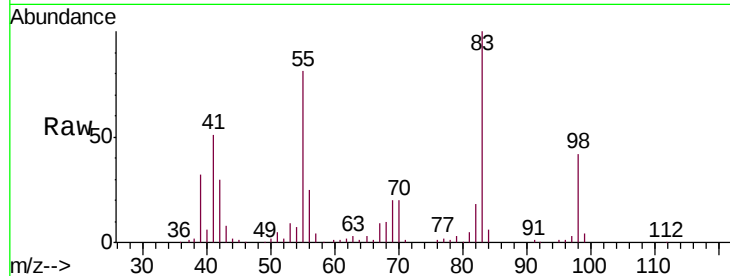
#39
Methylcyclohexane
Concen: 18.613 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

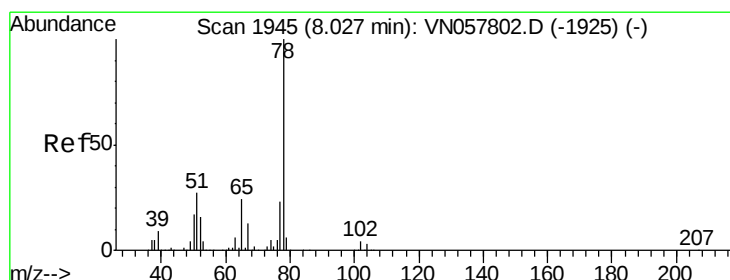
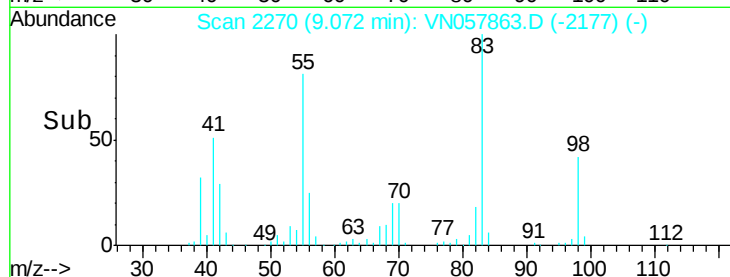
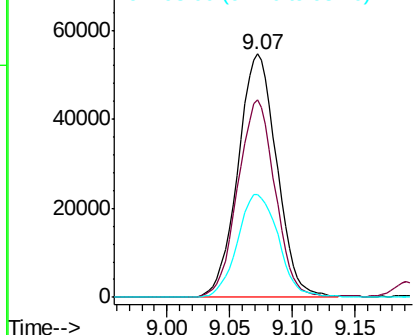
Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.2	61.6	92.4
98	42.3	34.9	52.3

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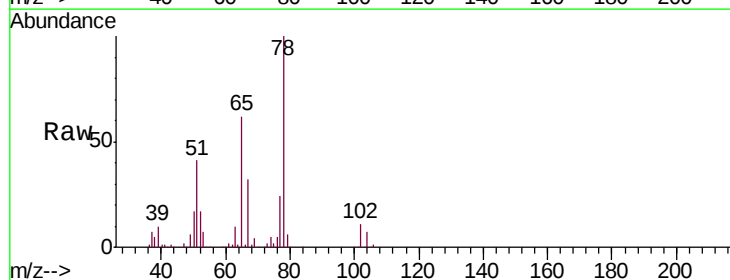


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

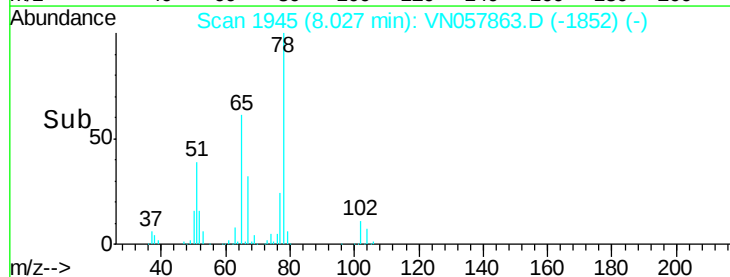
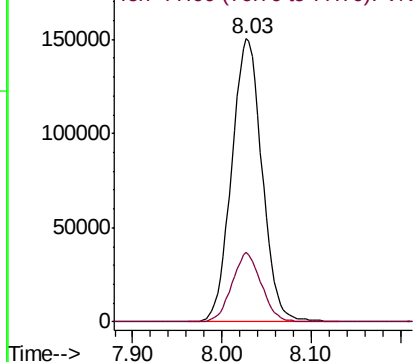


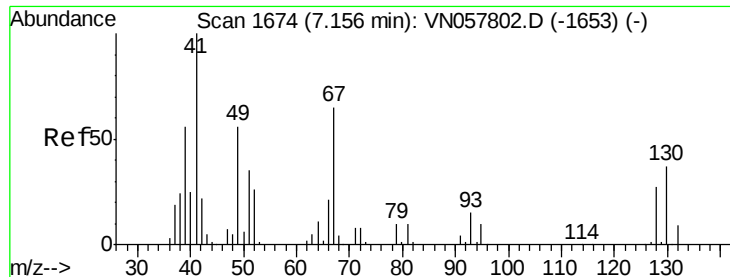
#40
Benzene
Concen: 19.677 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	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: 15.125 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 41 Resp: 42578
Ion Ratio Lower Upper

41 100

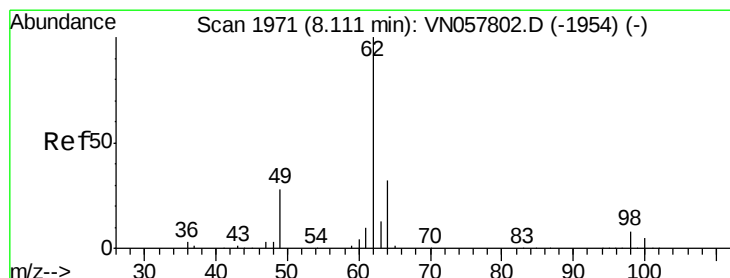
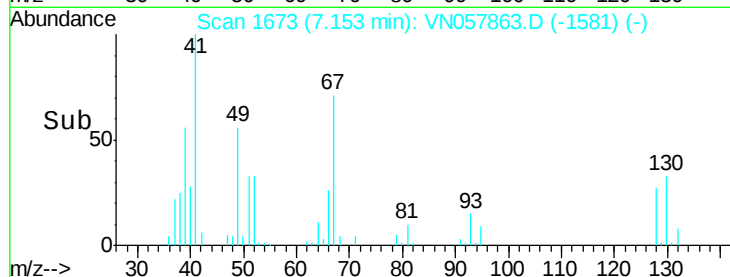
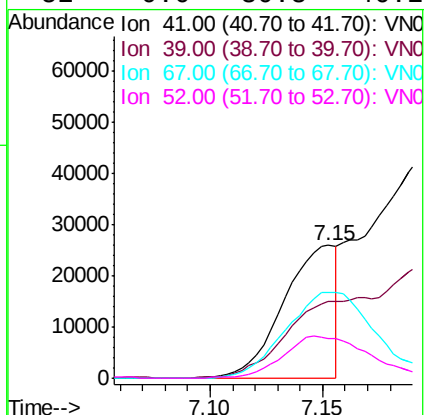
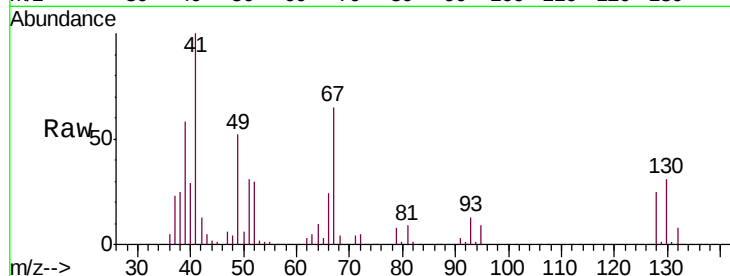
39 228.6 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

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#42

1,2-Dichloroethane

Concen: 20.005 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

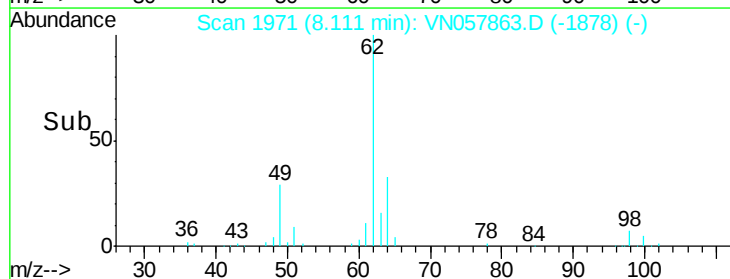
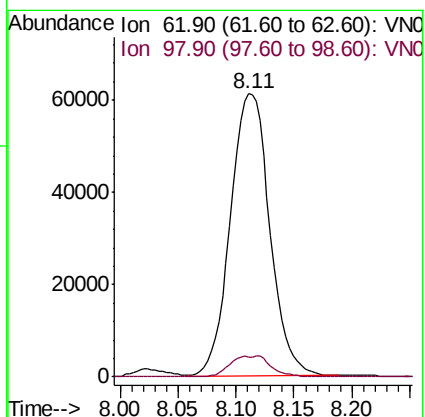
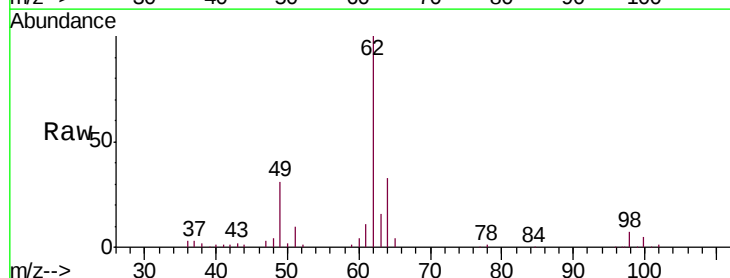
Lab File: VN057863.D

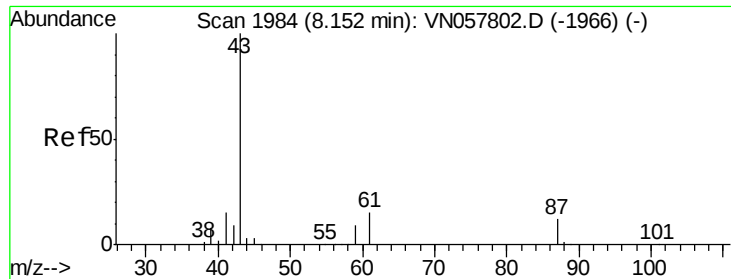
Acq: 10 Sep 2019 15:33

Tgt Ion: 62 Resp: 144580
Ion Ratio Lower Upper

62 100

98 4.4 0.0 15.8





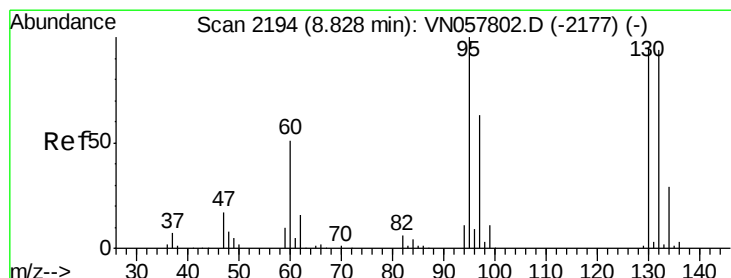
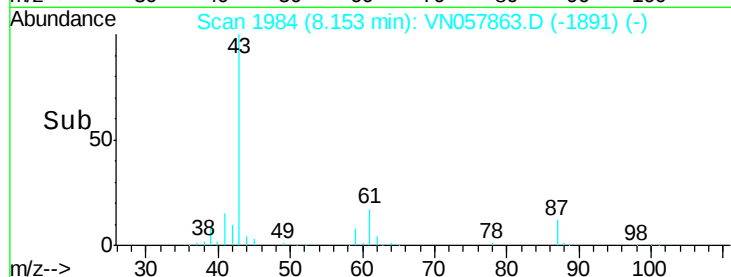
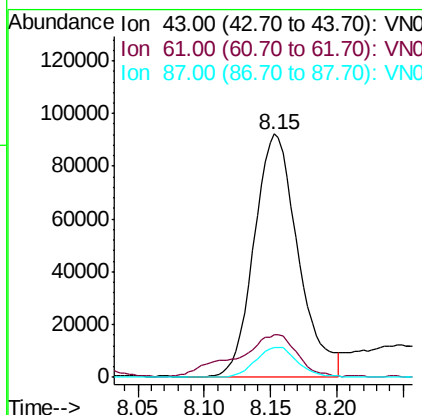
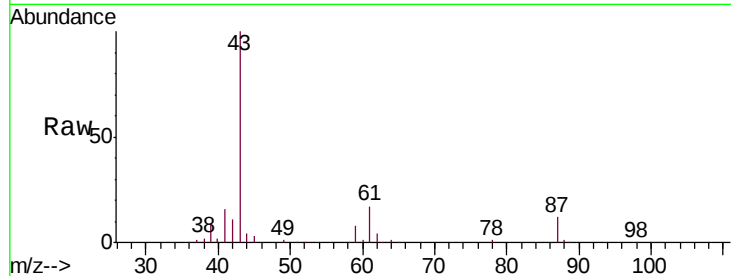
#43
Isopropyl Acetate
Concen: 20.281 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.1	30.1
87	11.9	9.5	14.3

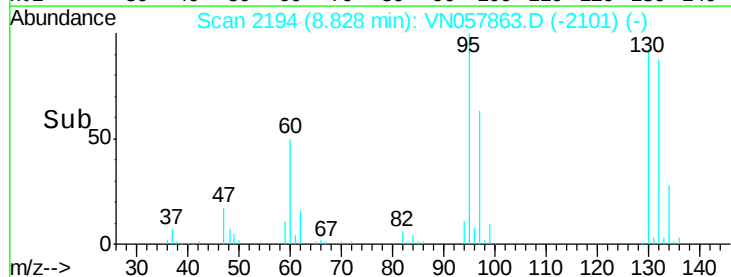
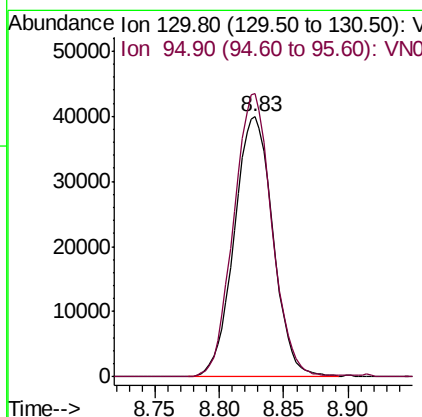
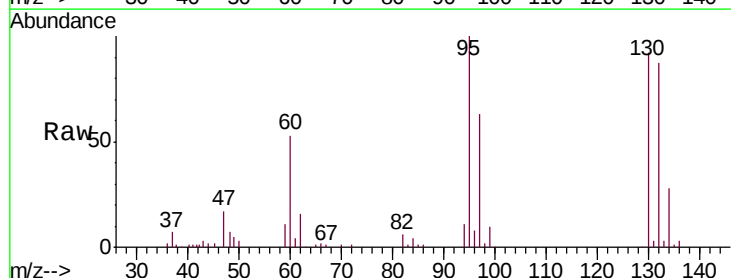
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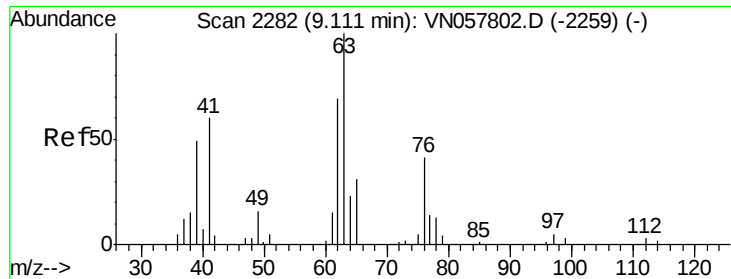
MMDadoda
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#44
Trichloroethene
Concen: 18.872 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	211.4





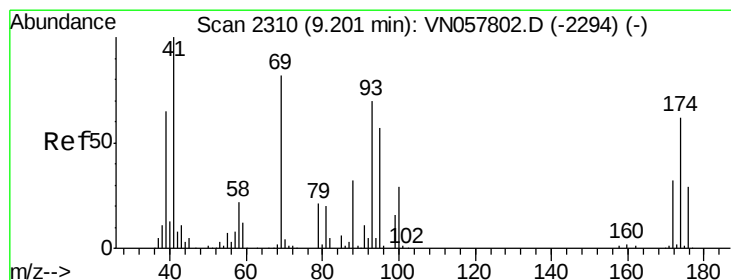
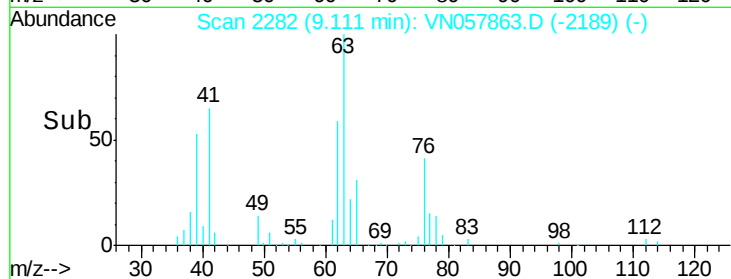
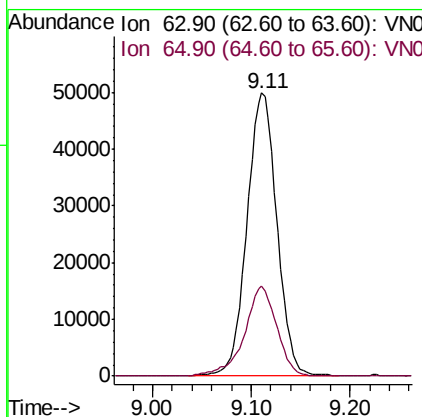
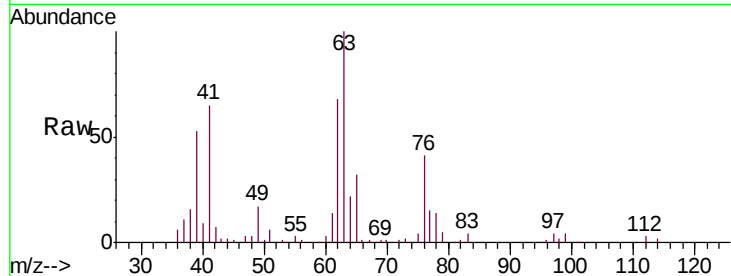
#45
 1,2-Dichloropropane
 Concen: 19.892 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion: 63 Resp: 104596
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

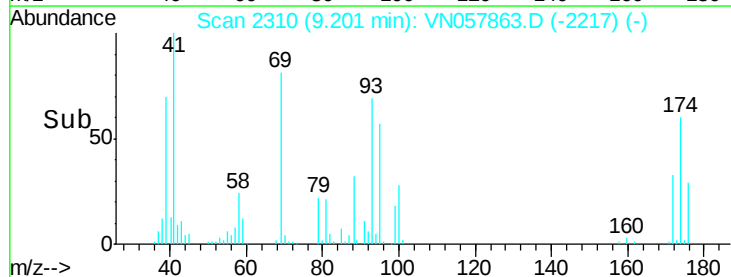
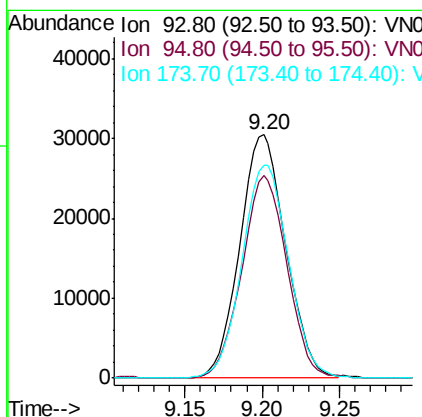
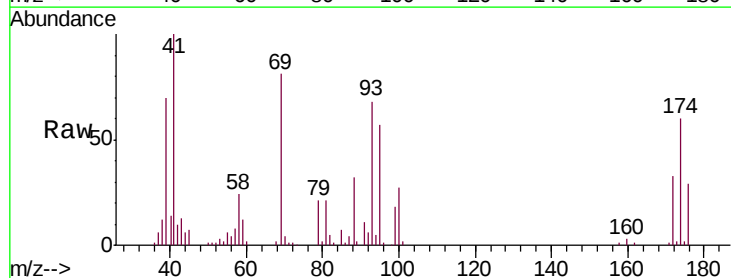
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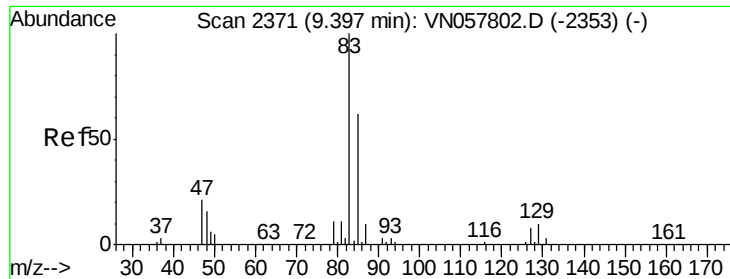
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#46
 Dibromomethane
 Concen: 19.799 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion: 93 Resp: 62909
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 88.9 71.8 107.6





#47

Bromodichloromethane

Concen: 20.016 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

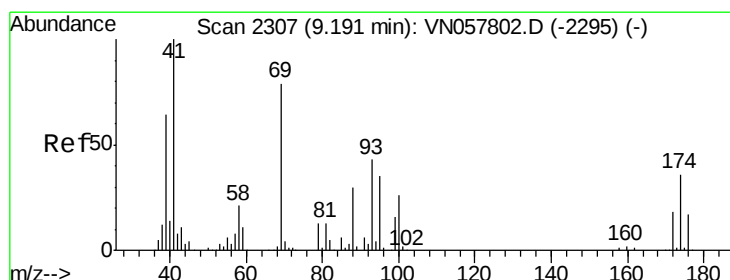
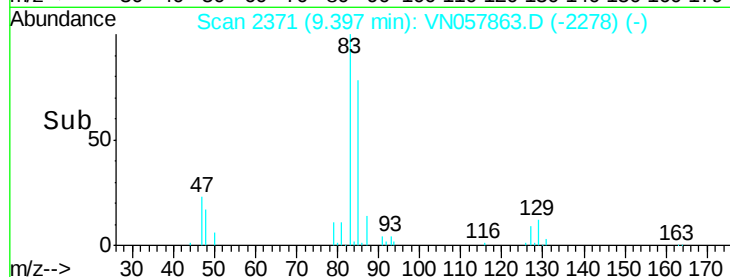
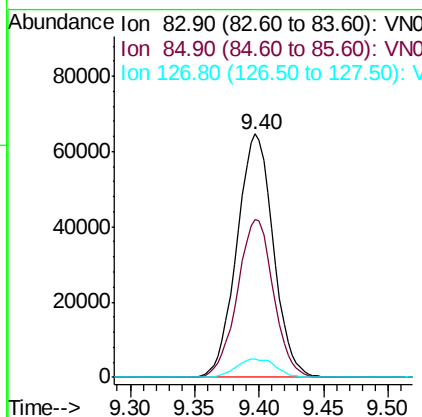
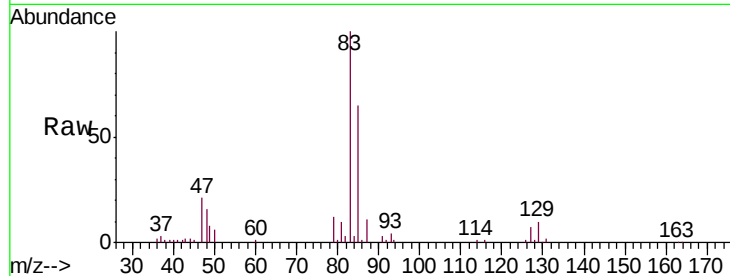
ClientSampleId :

VN0911WBS01

Tgt Ion:	83	Resp:	127003
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.9	74.9
127	7.3	6.5	9.7

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#48

Methyl methacrylate

Concen: 19.349 ug/l

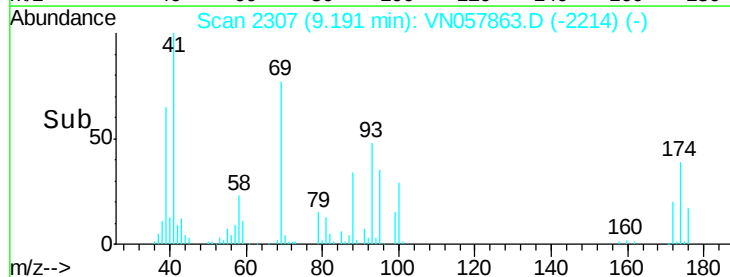
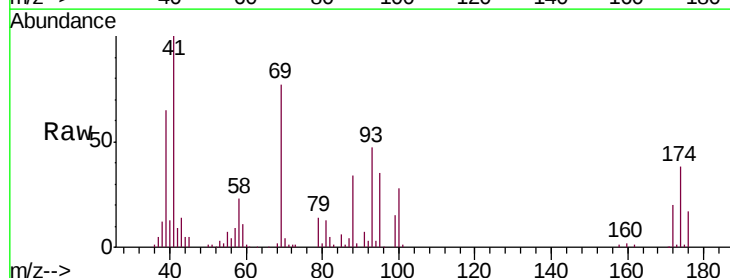
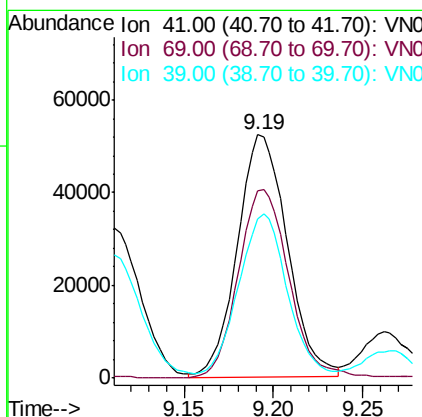
RT: 9.19 min Scan# 2307

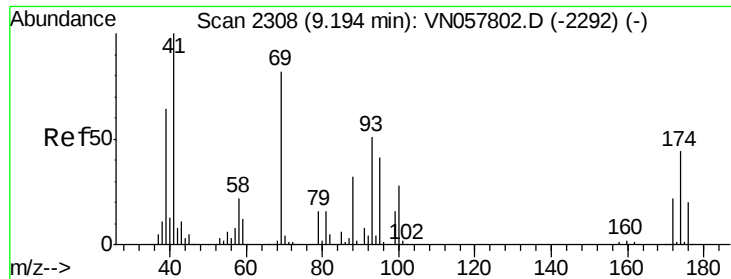
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	41	Resp:	102358
Ion Ratio	Lower	Upper	
41	100		
69	79.3	62.7	94.1
39	66.4	52.7	79.1





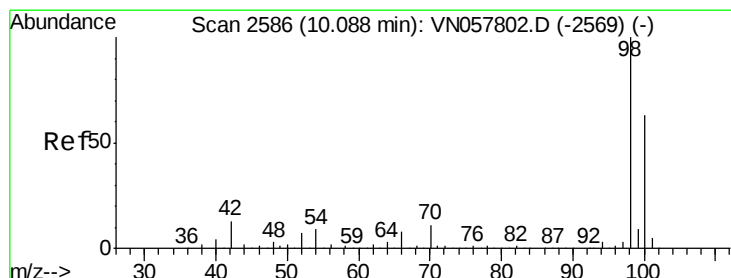
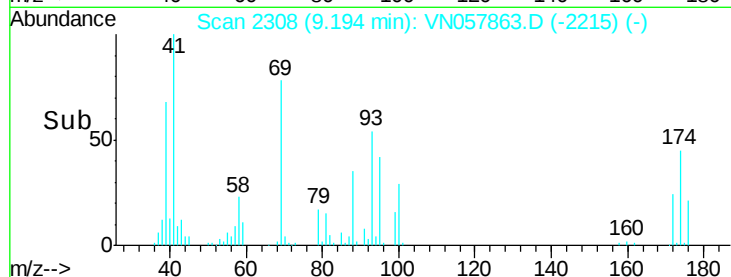
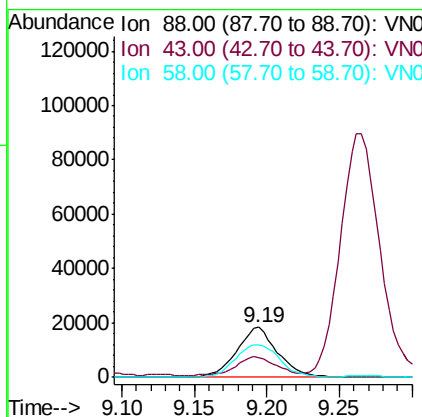
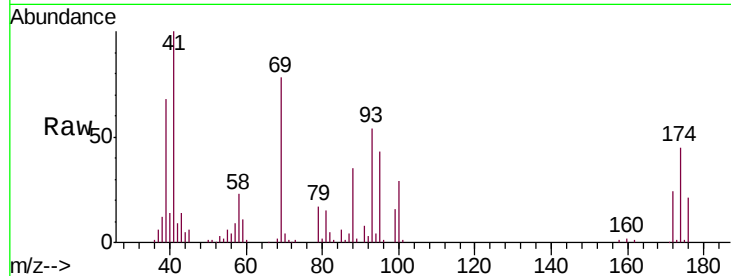
#49
 1,4-Dioxane
 Concen: 402.614 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.5	42.7
58	71.2	55.8	83.6

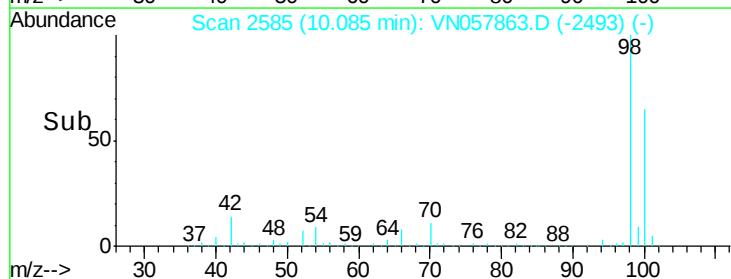
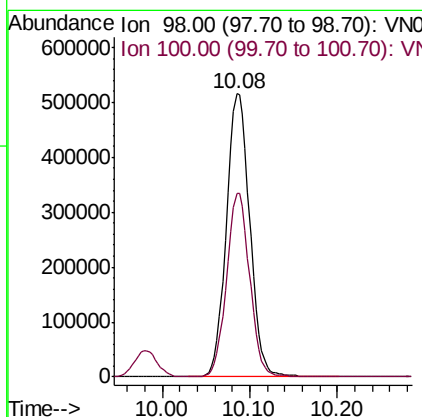
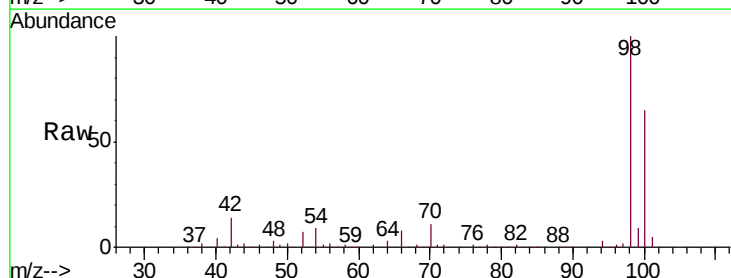
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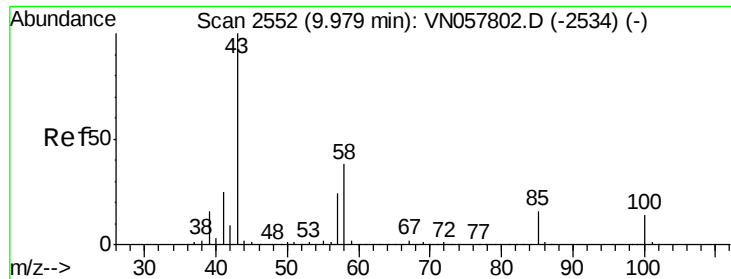
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#50
 Toluene-d8
 Concen: 51.709 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 106.714 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 43 Resp: 658573

Ion Ratio Lower Upper

43 100

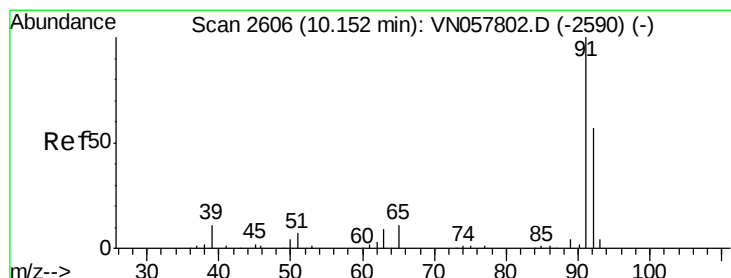
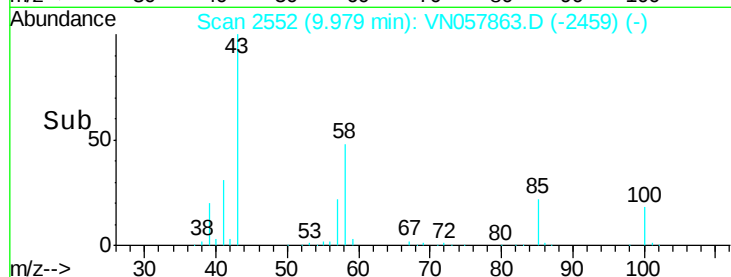
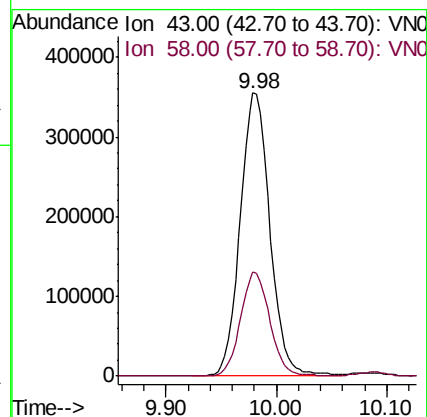
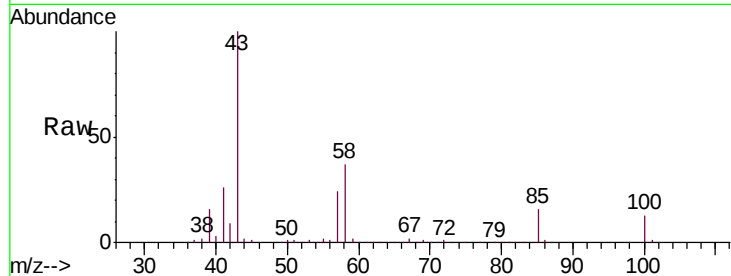
58 36.5 29.8 44.6

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#52

Toluene

Concen: 19.612 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057863.D

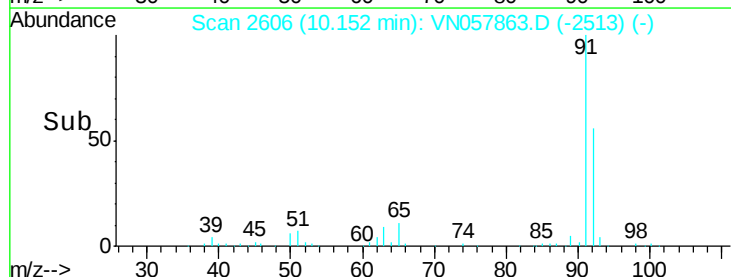
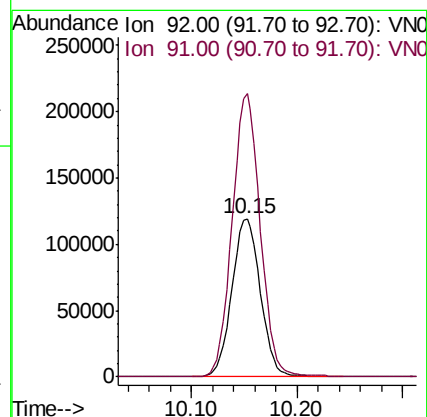
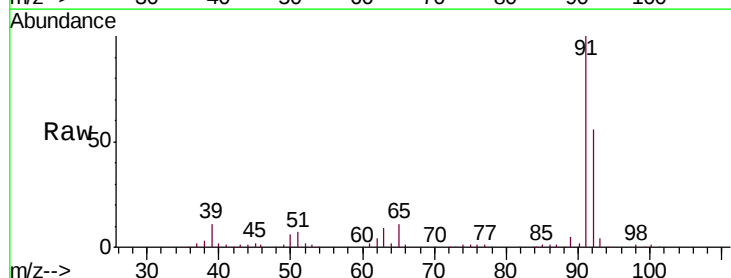
Acq: 10 Sep 2019 15:33

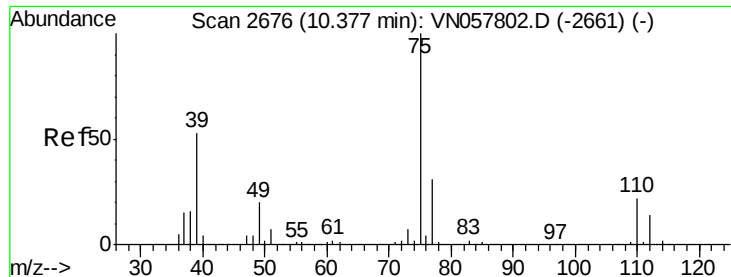
Tgt Ion: 92 Resp: 223211

Ion Ratio Lower Upper

92 100

91 176.0 141.0 211.6





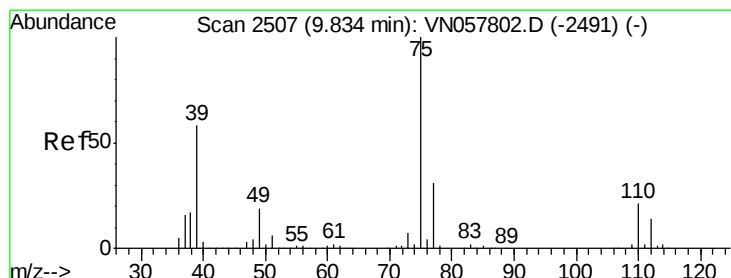
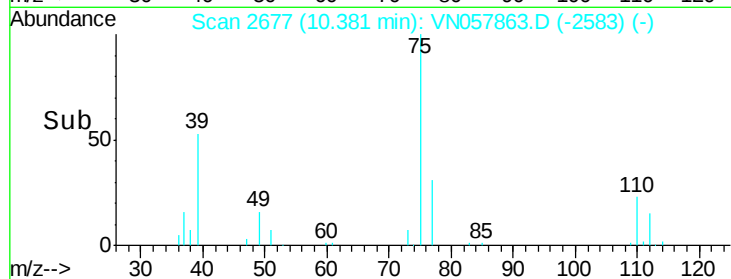
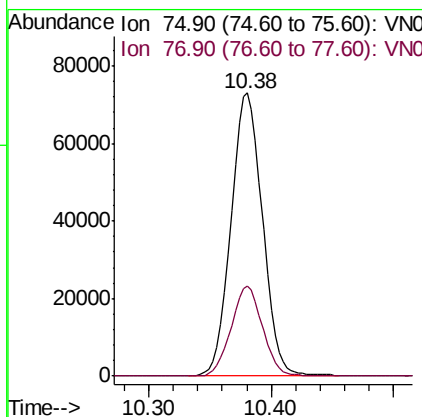
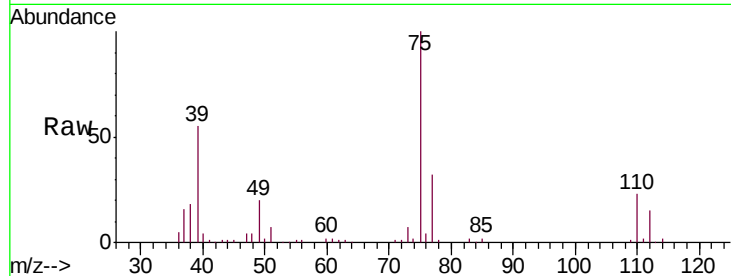
#53
t-1,3-Dichloropropene
Concen: 19.605 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 75 Resp: 130992
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7

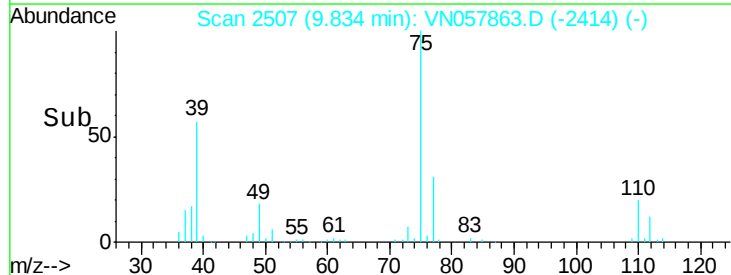
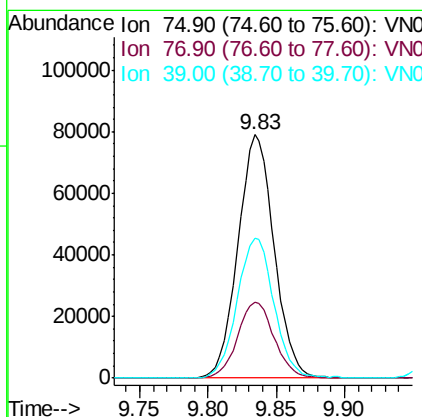
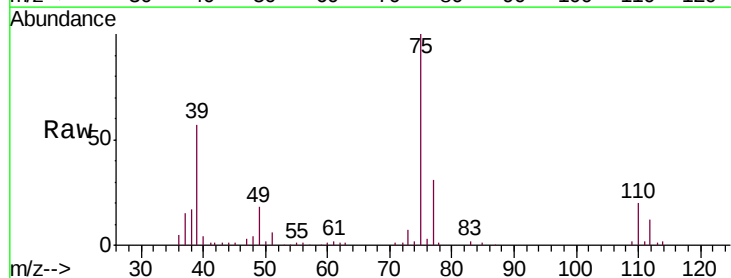
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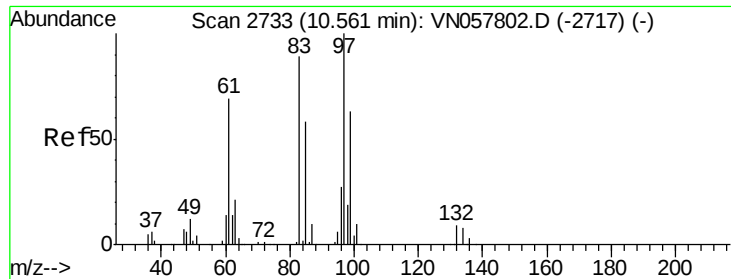
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#54
cis-1,3-Dichloropropene
Concen: 19.690 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 75 Resp: 145250
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 57.3 46.2 69.4





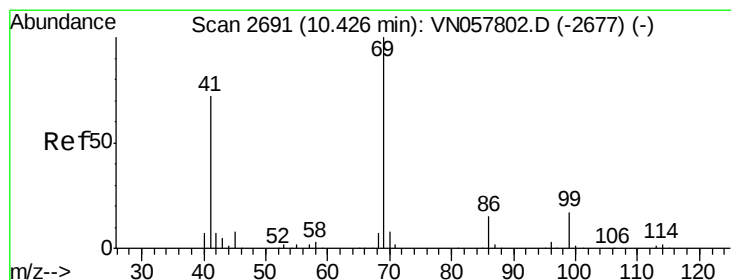
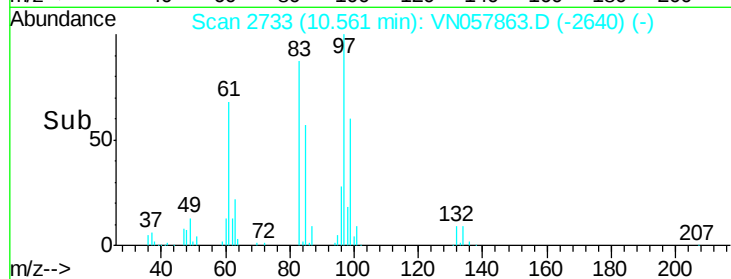
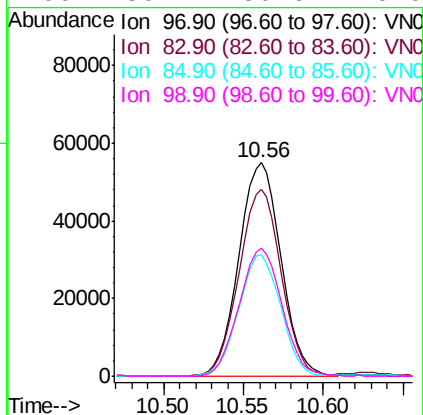
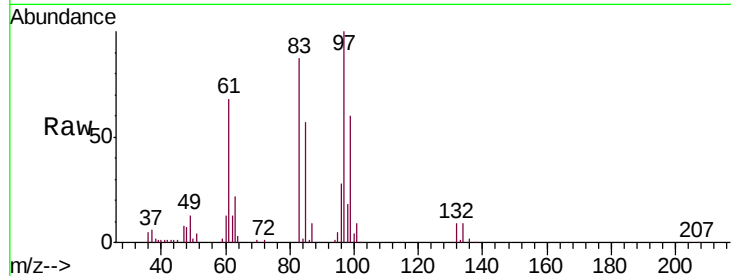
#55
 1,1,2-Trichloroethane
 Concen: 20.473 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.8	106.2
85	57.0	46.0	69.0
99	59.7	50.6	76.0

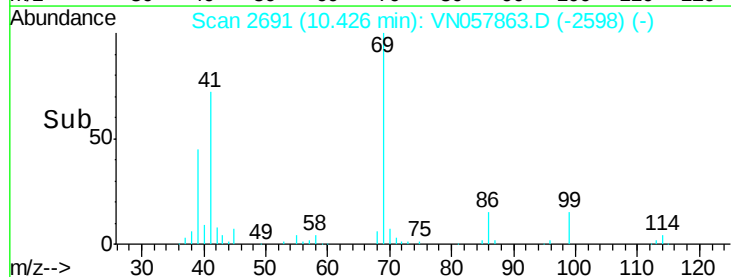
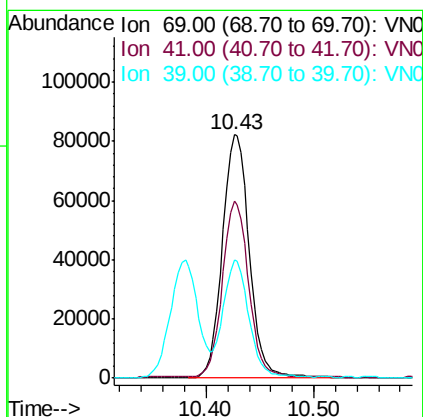
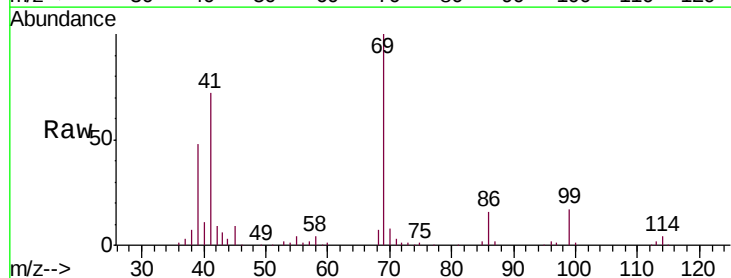
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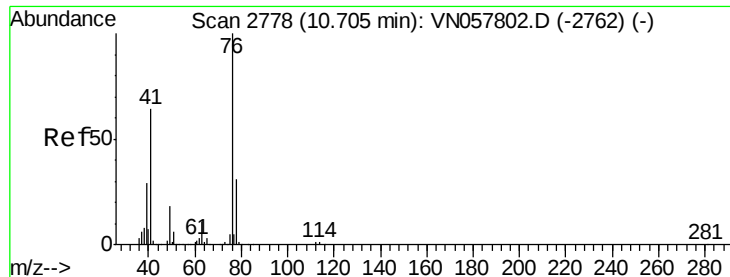
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#56
 Ethyl methacrylate
 Concen: 19.767 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.7	85.1
39	45.0	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.160 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS01

Tgt Ion: 76 Resp: 167496

Ion Ratio Lower Upper

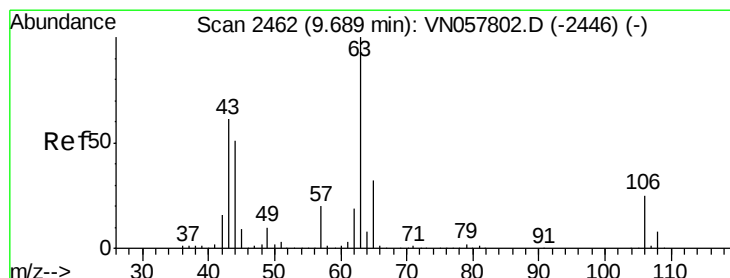
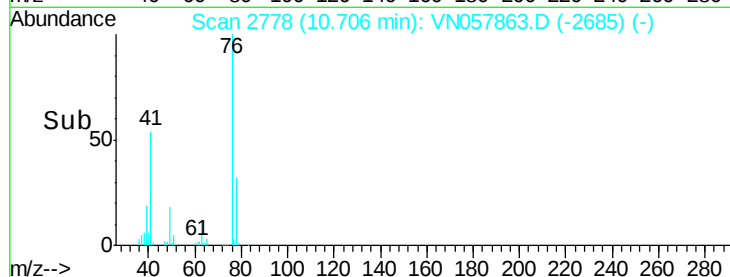
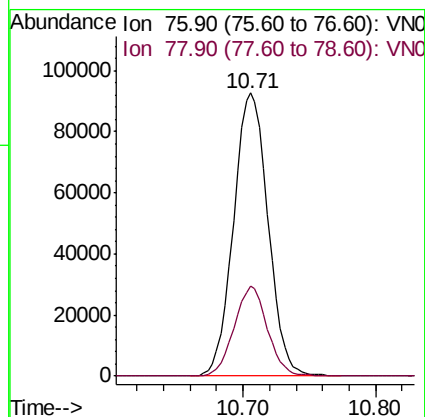
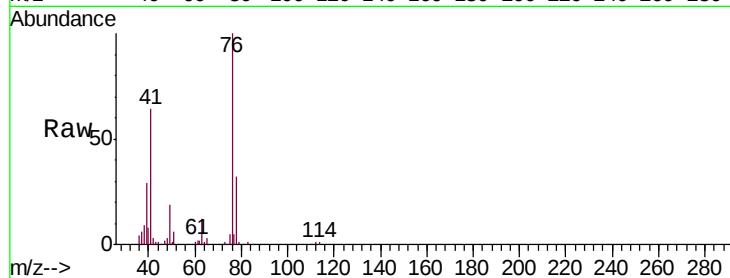
76 100

78 30.7 25.4 38.2

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9/13/2019 7:06:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.995 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057863.D

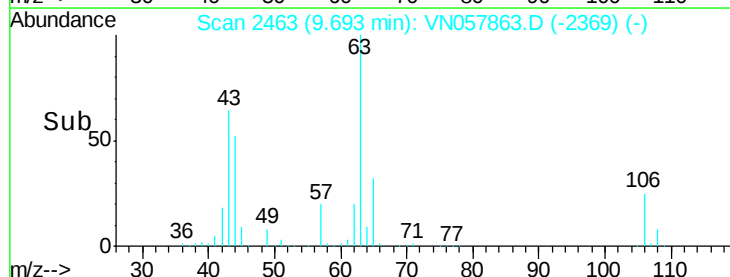
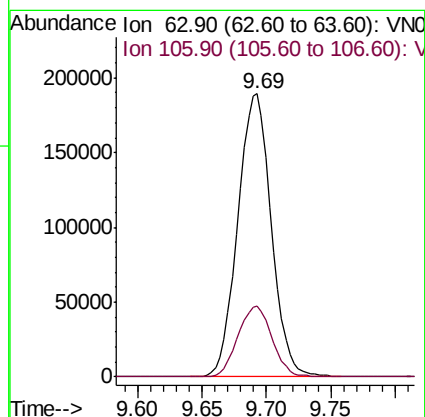
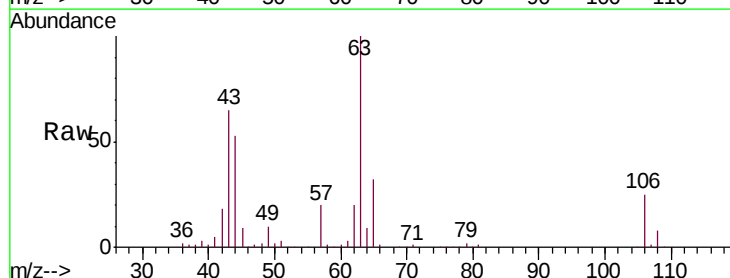
Acq: 10 Sep 2019 15:33

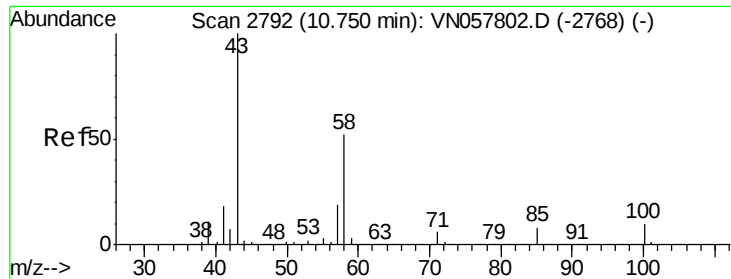
Tgt Ion: 63 Resp: 341922

Ion Ratio Lower Upper

63 100

106 25.5 20.0 30.0





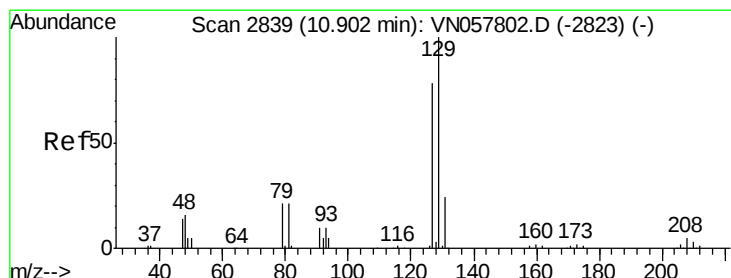
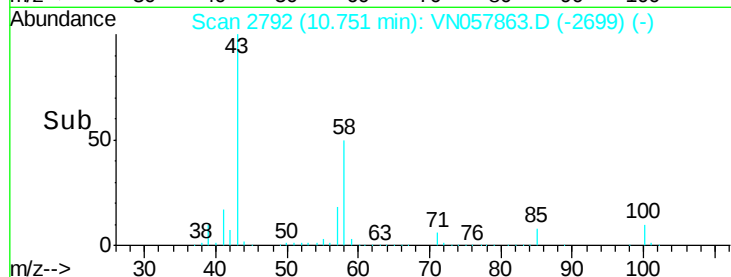
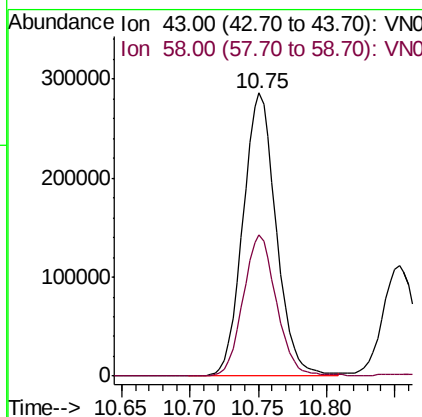
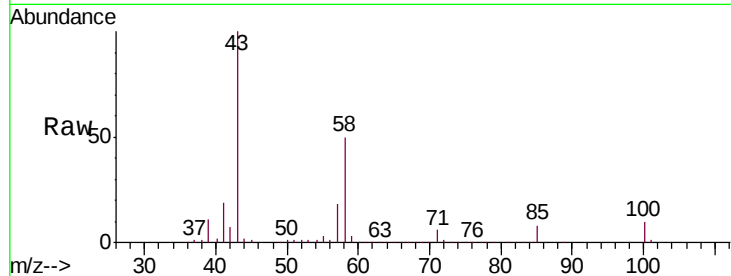
#59
2-Hexanone
Concen: 104.021 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 43 Resp: 481169
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.8

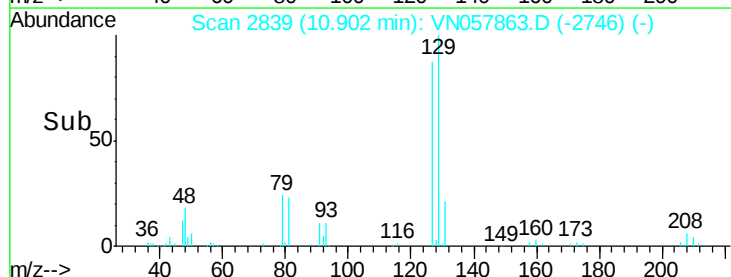
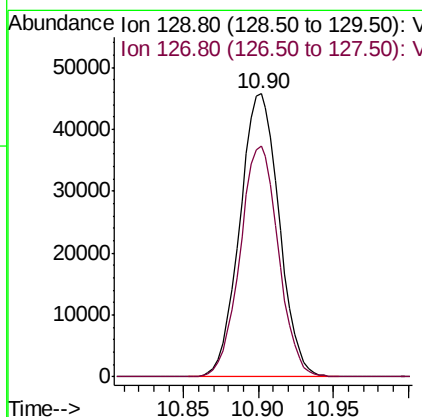
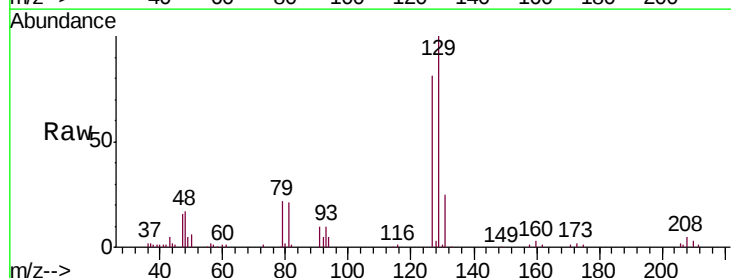
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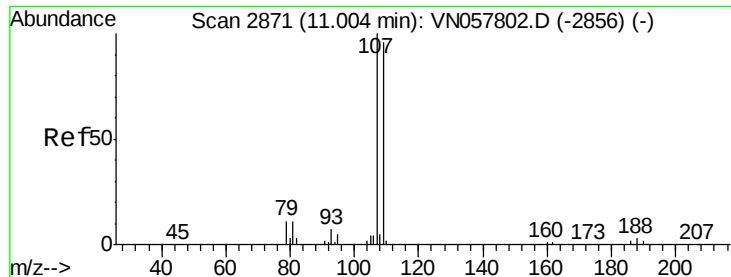
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#60
Dibromochloromethane
Concen: 18.687 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 129 Resp: 83657
Ion Ratio Lower Upper
129 100
127 79.5 38.6 116.0





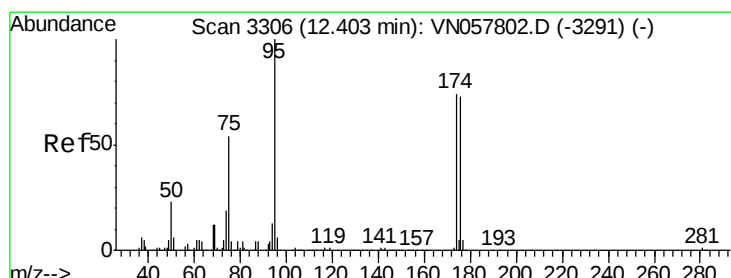
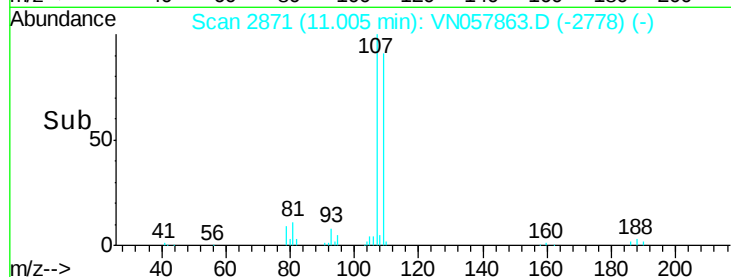
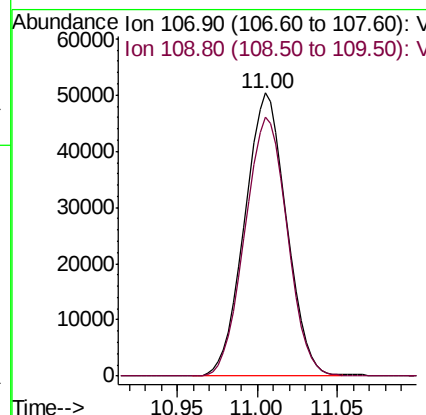
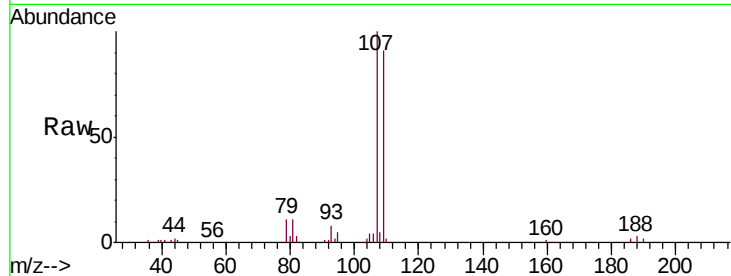
#61
 1,2-Dibromoethane
 Concen: 19.761 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.3	112.9

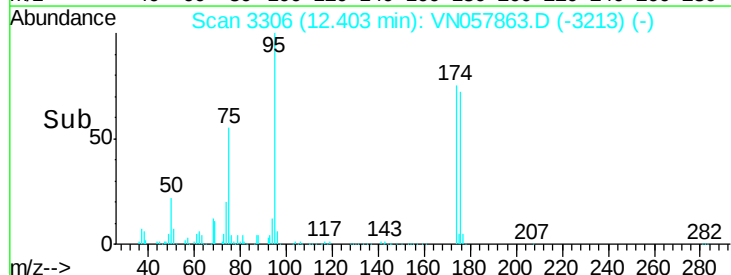
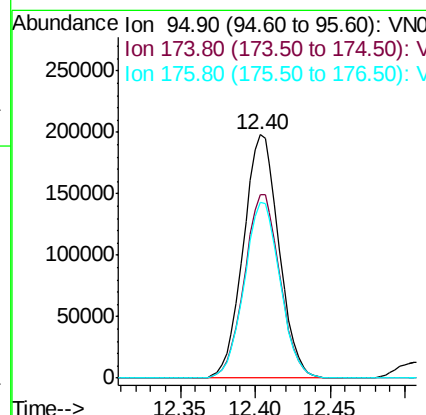
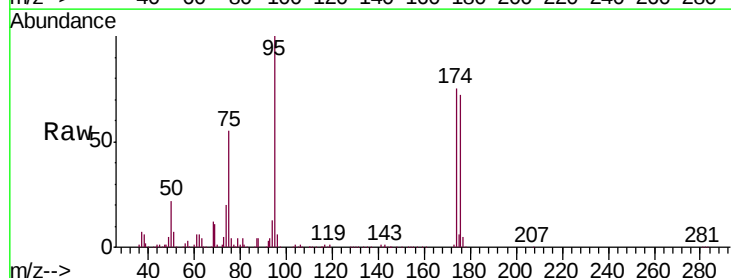
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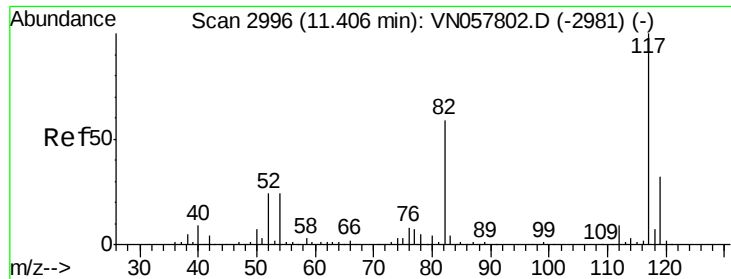
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#62
 4-Bromofluorobenzene
 Concen: 46.336 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	150.2
176	72.8	0.0	146.0





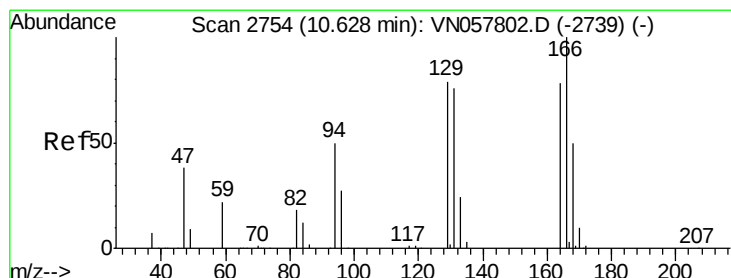
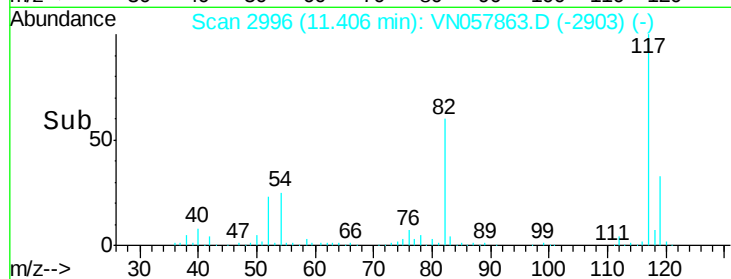
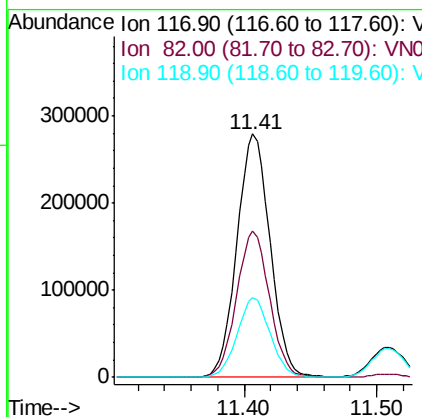
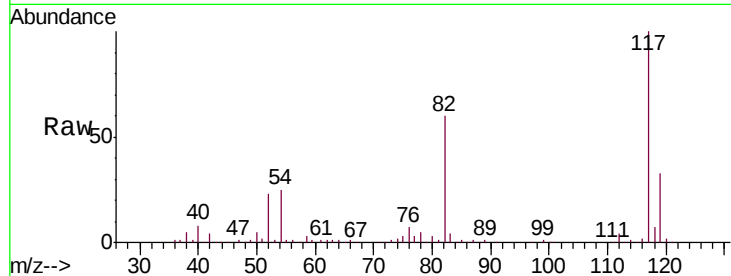
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	486104		
82	60.0	47.2	70.8	
119	32.9	25.3	37.9	

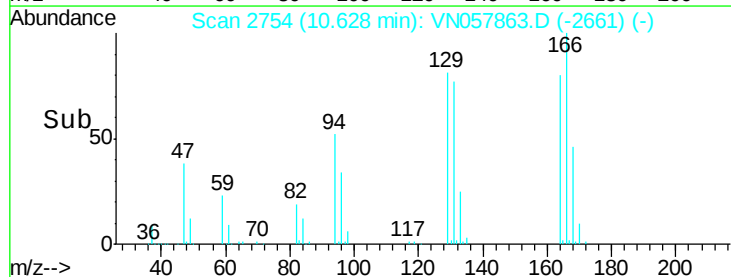
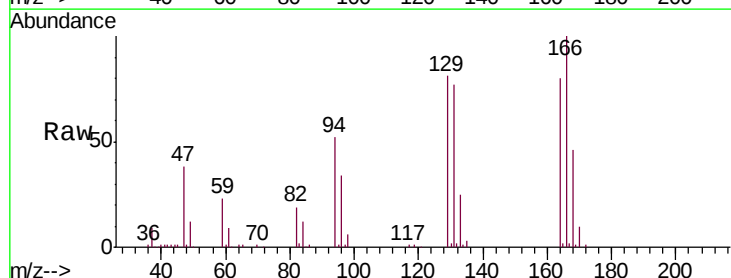
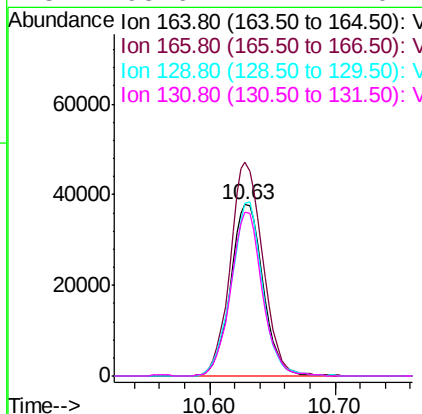
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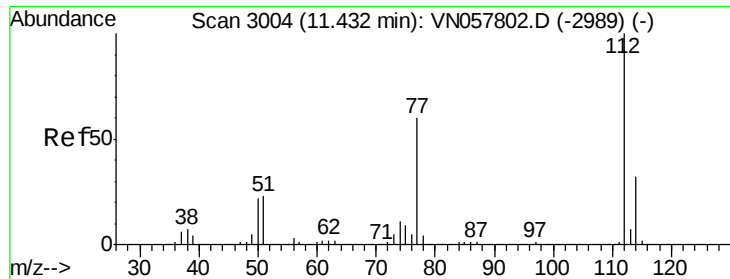
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#64
Tetrachloroethene
Concen: 18.988 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68152		
166	124.6	102.2	153.2	
129	101.2	80.8	121.2	
131	95.6	77.4	116.2	





#65

Chlorobenzene

Concen: 19.384 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion:112 Resp: 246599

Ion Ratio Lower Upper

112 100

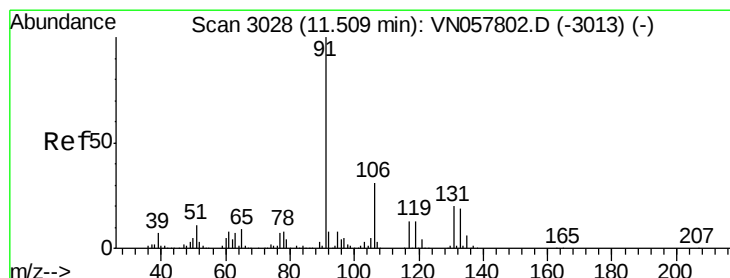
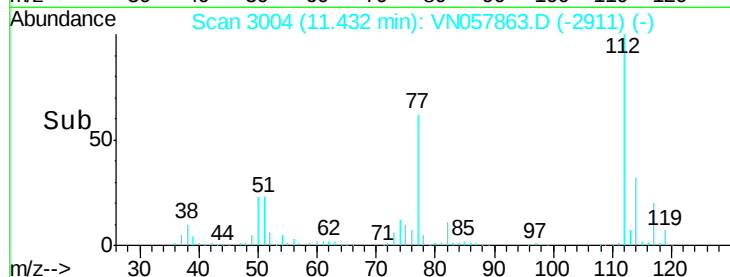
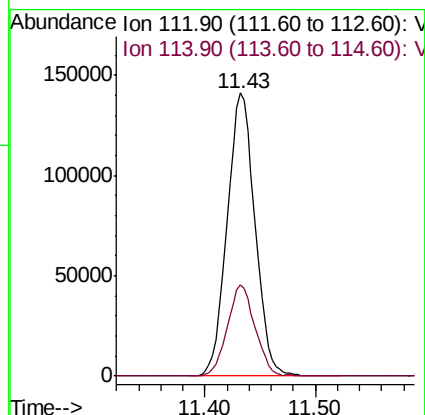
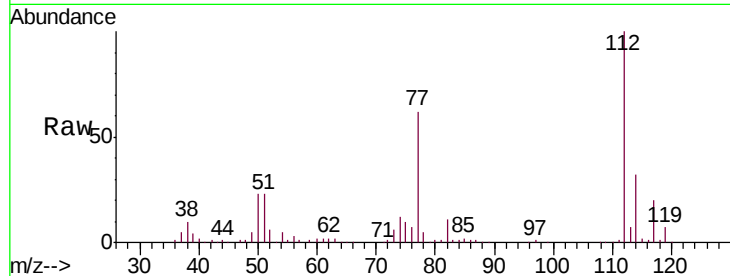
114 32.1 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.304 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

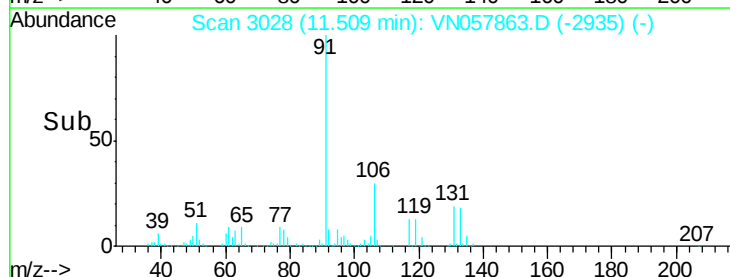
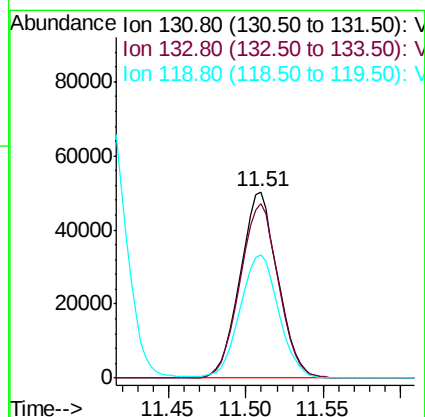
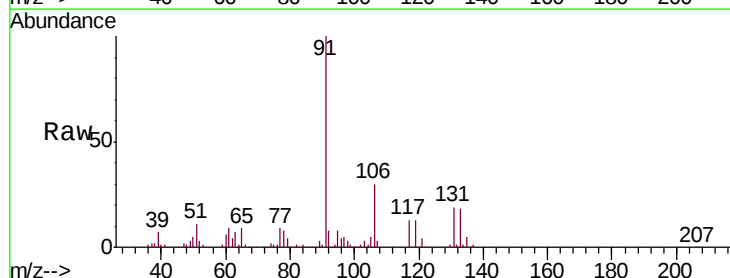
Tgt Ion:131 Resp: 85216

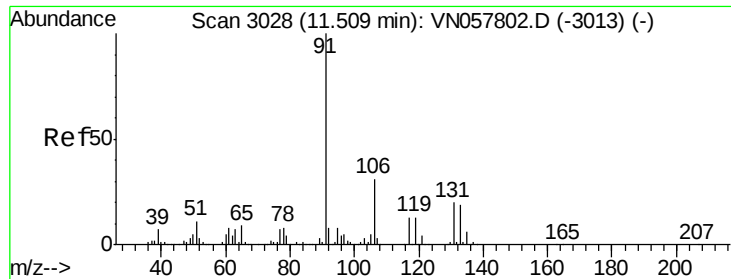
Ion Ratio Lower Upper

131 100

133 95.6 47.1 141.3

119 68.0 33.3 99.8





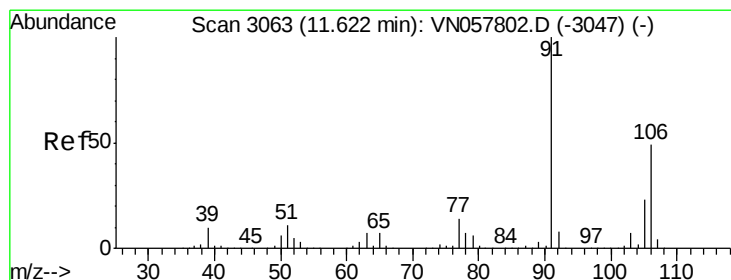
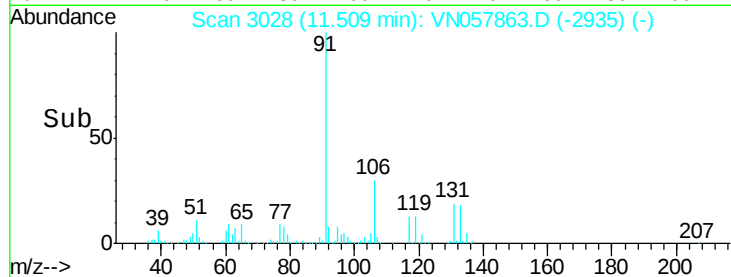
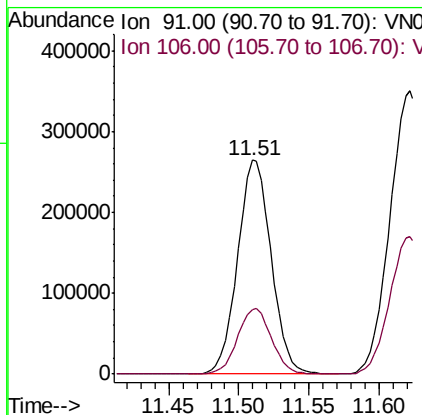
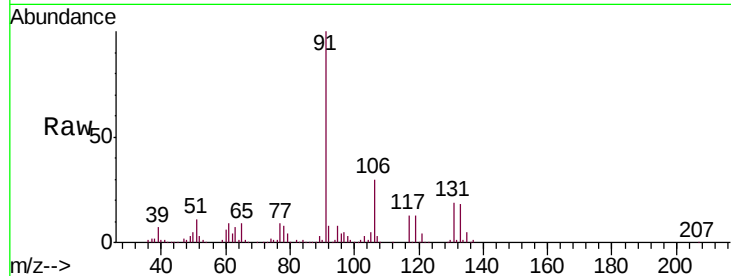
#67
Ethyl Benzene
Concen: 19.823 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion: 91 Resp: 441950
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

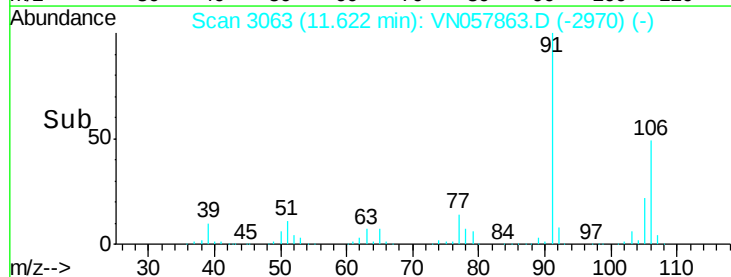
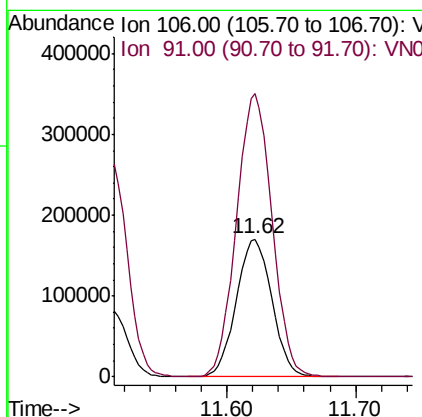
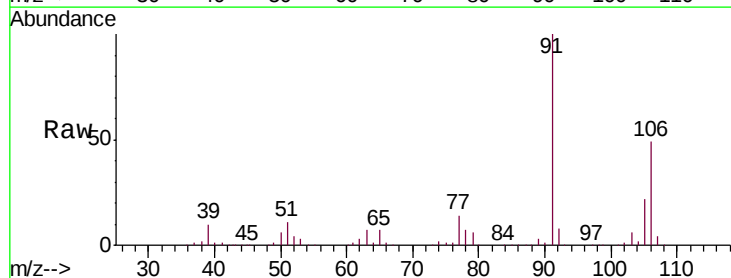
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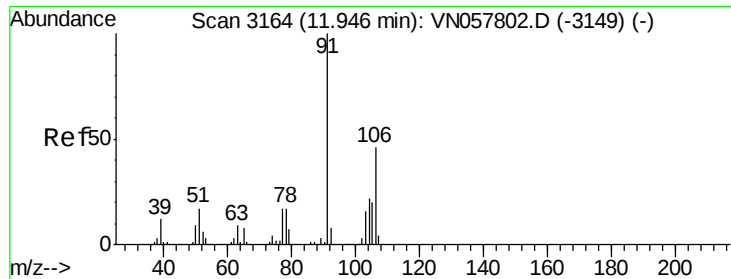
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#68
m/p-Xylenes
Concen: 40.124 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion: 106 Resp: 327679
Ion Ratio Lower Upper
106 100
91 205.1 165.8 248.6





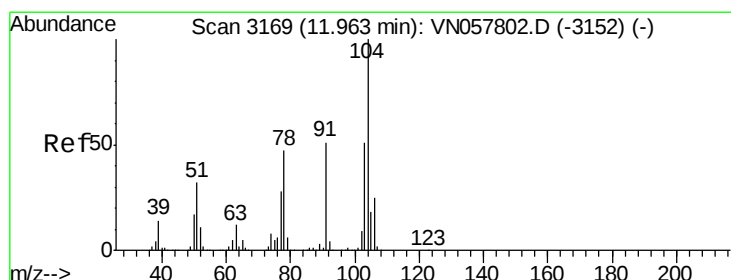
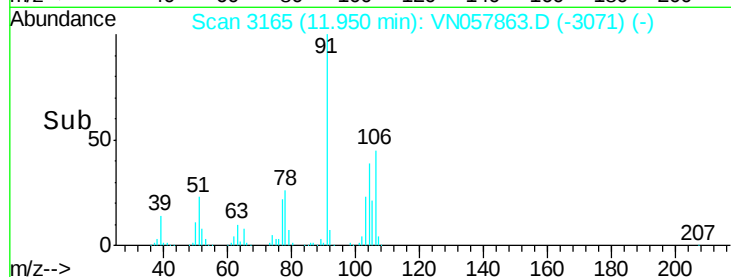
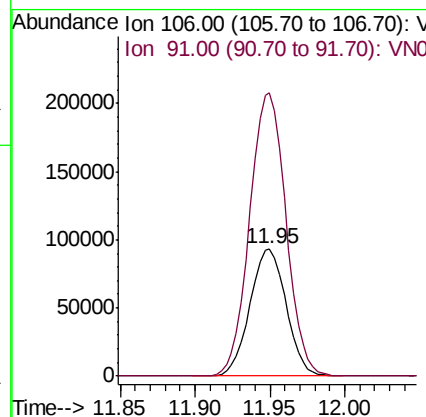
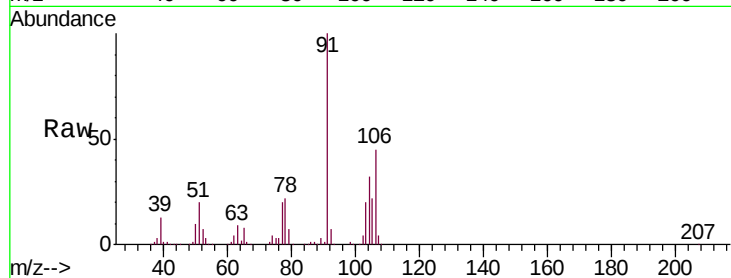
#69
o-Xylene
Concen: 19.405 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion:106 Resp: 157552
Ion Ratio Lower Upper
106 100
91 223.1 108.7 326.1

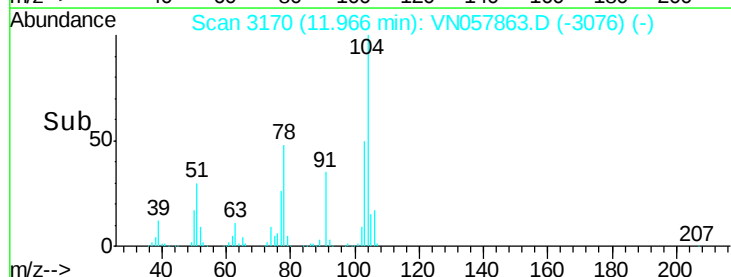
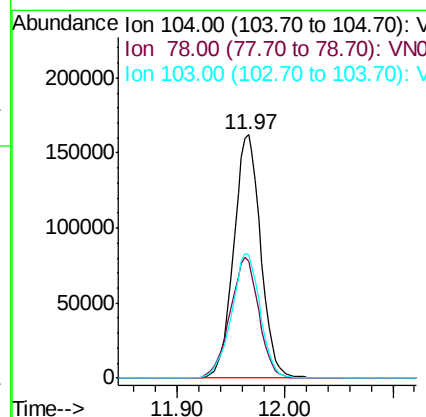
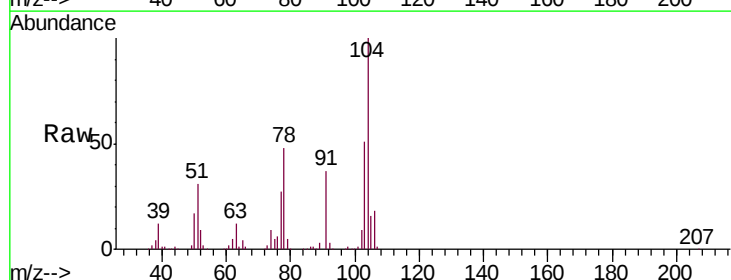
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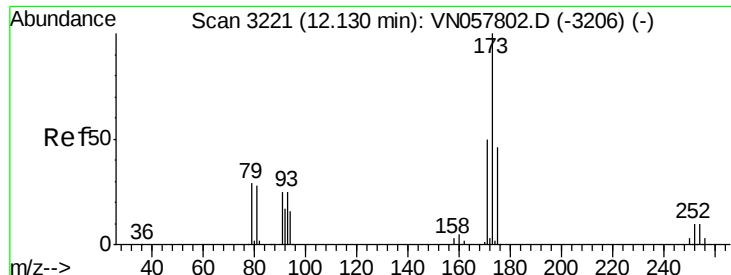
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#70
Styrene
Concen: 20.207 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion:104 Resp: 282346
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 54.3 43.7 65.5





#71

Bromoform

Concen: 18.699 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

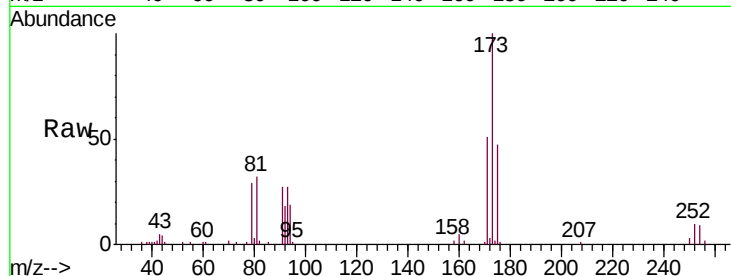
ClientSampleId :

VN0911WBS01

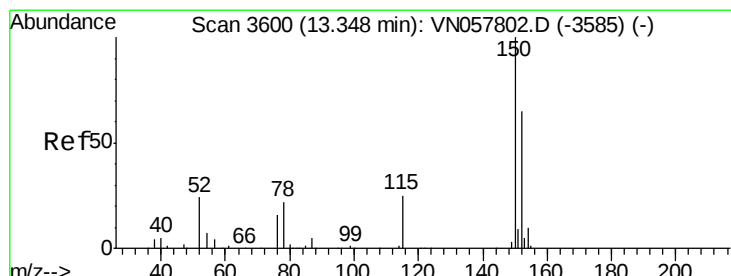
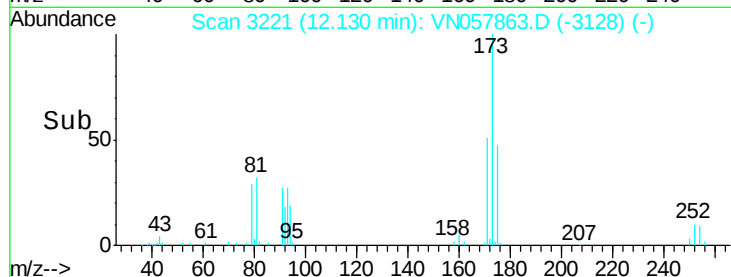
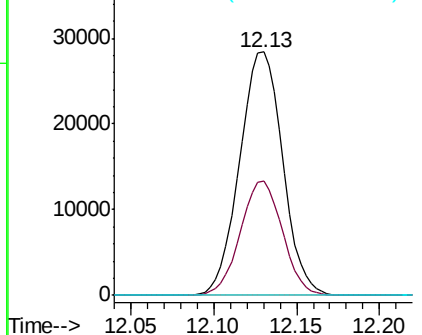
Tgt Ion:173 Resp: 51463
 Ion Ratio Lower Upper
 173 100
 175 45.7 23.5 70.6
 254 0.0 0.1 0.1#

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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

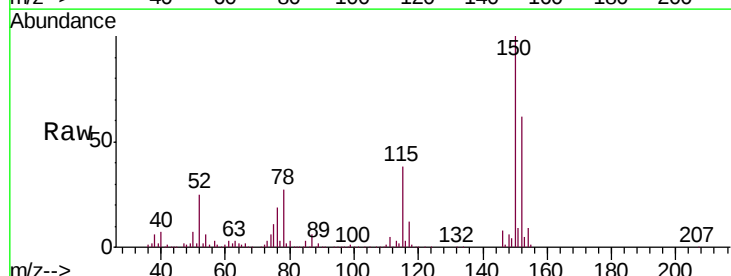
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

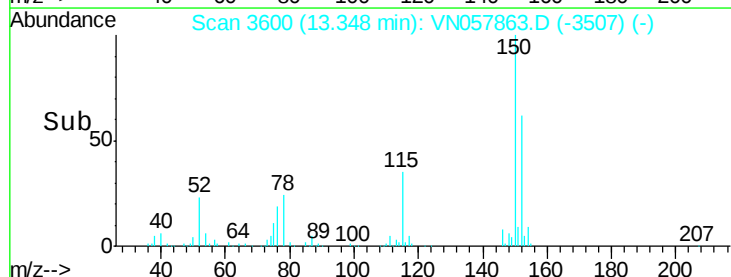
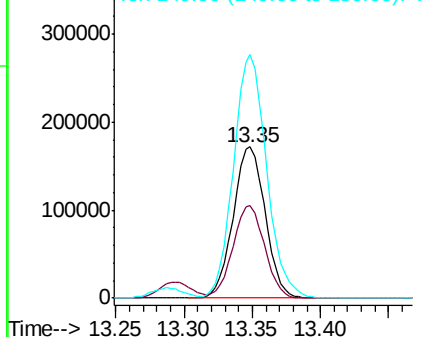
Lab File: VN057863.D

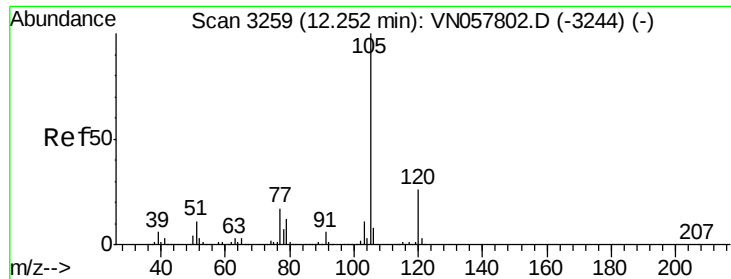
Acq: 10 Sep 2019 15:33

Tgt Ion:152 Resp: 280208
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.3 91.0
 150 166.1 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: 20.708 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 105 Resp: 450266

Ion Ratio Lower Upper

105 100

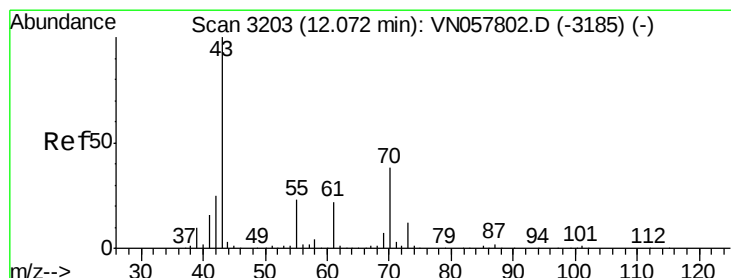
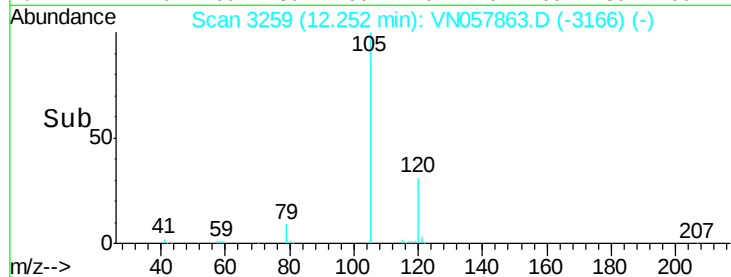
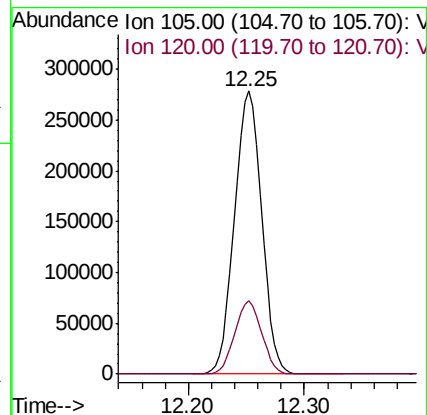
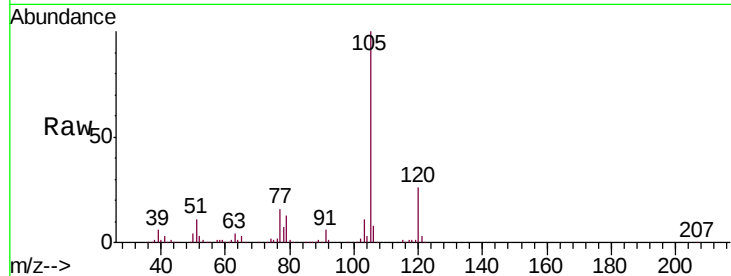
120 25.6 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.818 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion: 43 Resp: 187536

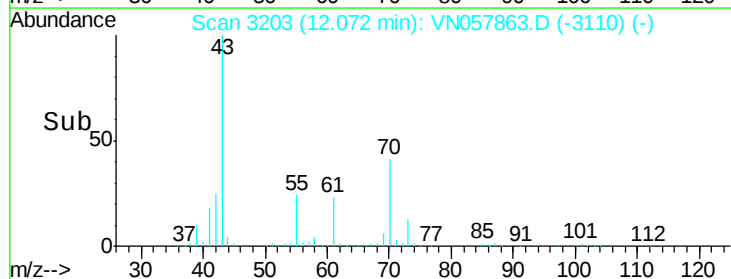
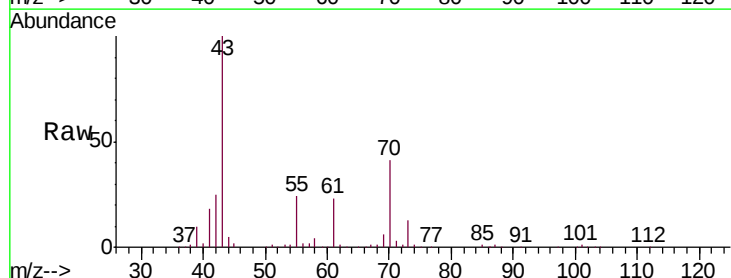
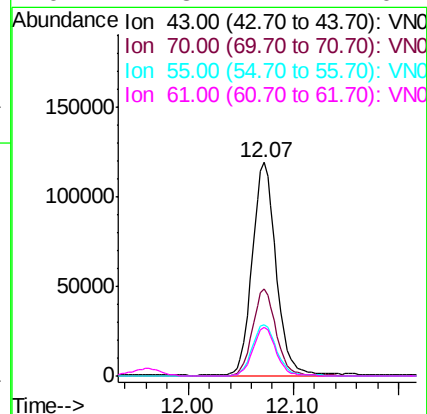
Ion Ratio Lower Upper

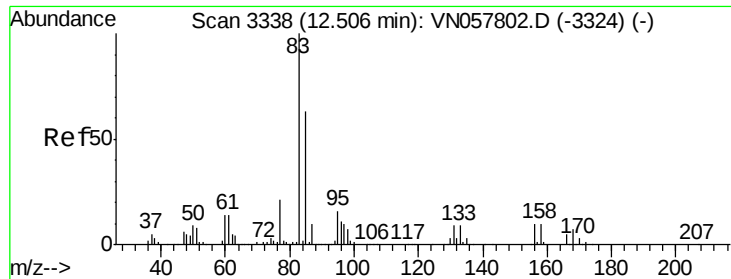
43 100

70 40.5 30.6 45.8

55 24.8 18.6 27.8

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.030 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

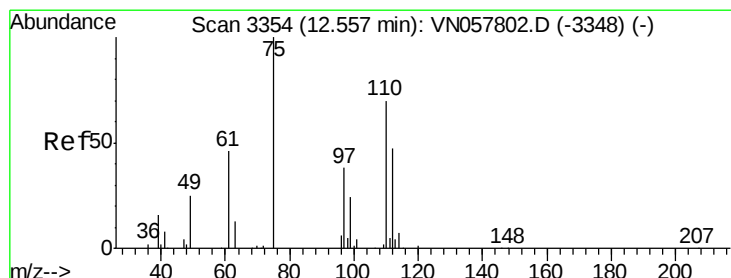
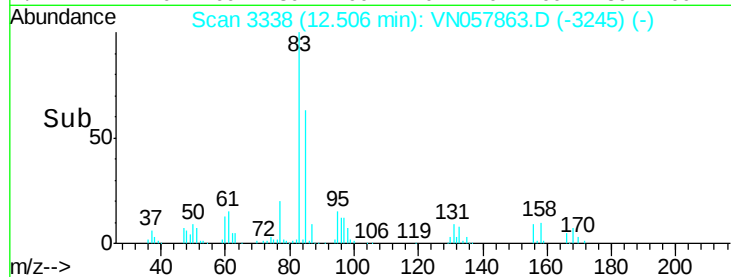
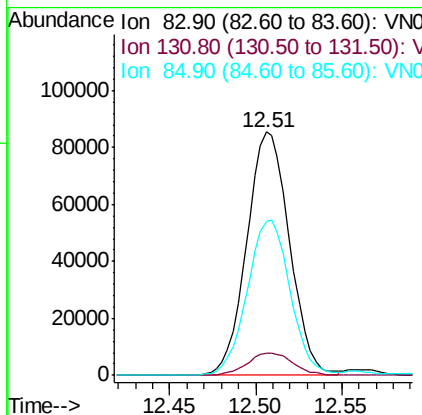
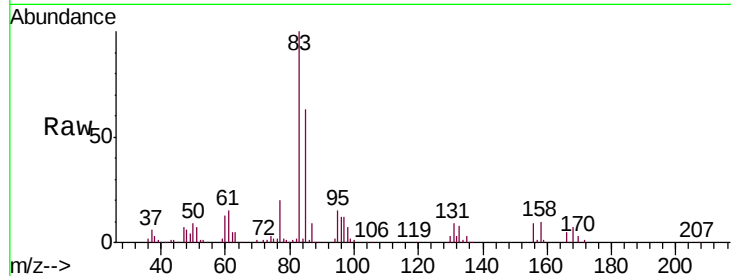
ClientSampleId :

VN0911WBS01

Tgt Ion:	83	Resp:	146641
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.713 ug/l m

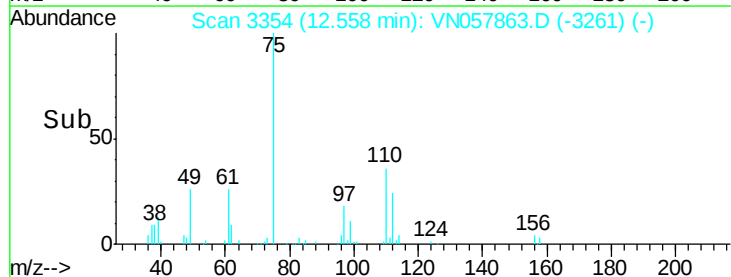
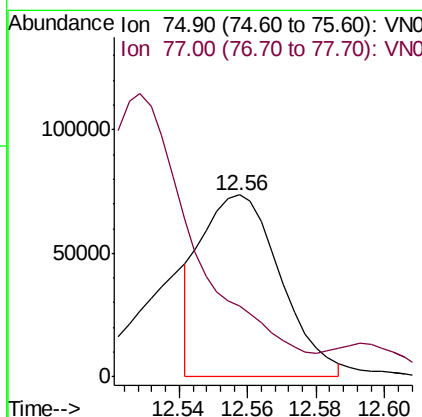
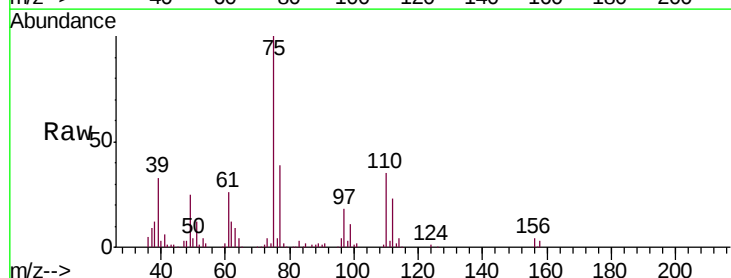
RT: 12.56 min Scan# 3354

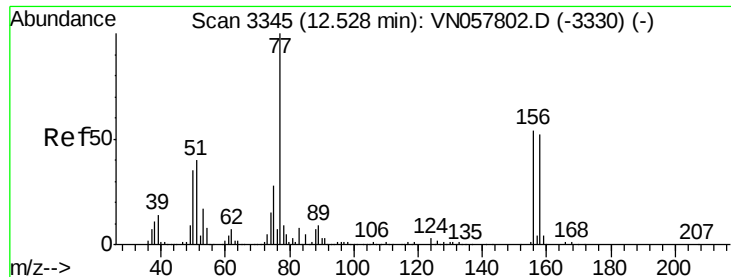
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	75	Resp:	118616
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.295 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

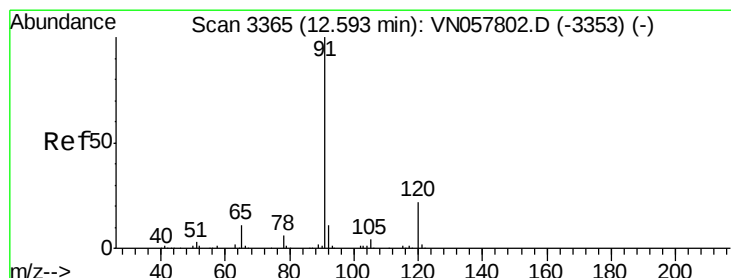
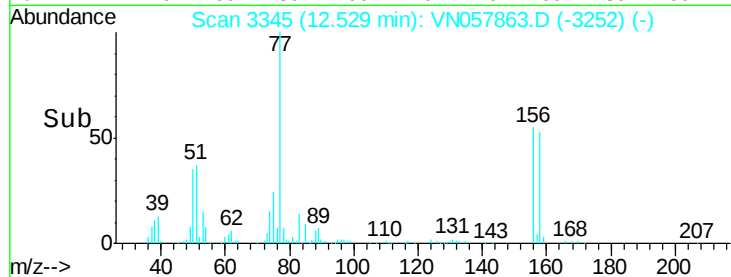
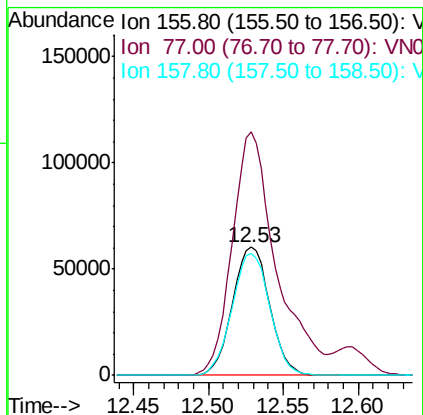
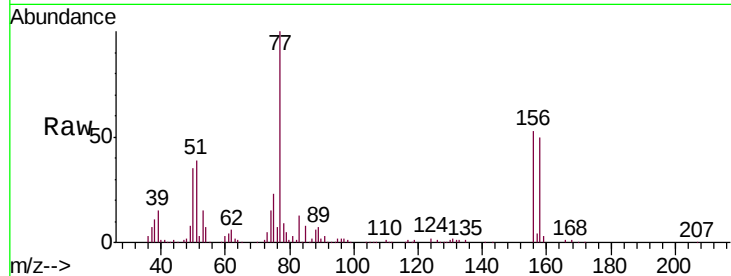
ClientSampleId :

VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	226.1	113.7	341.1
158	96.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.869 ug/l

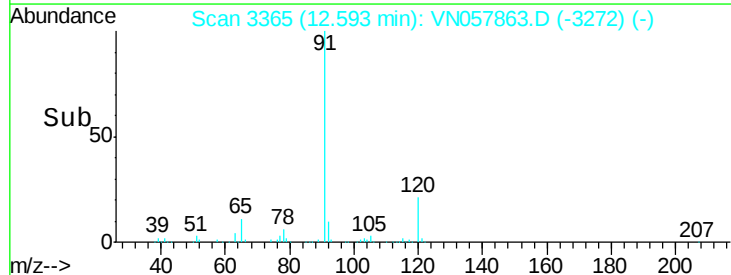
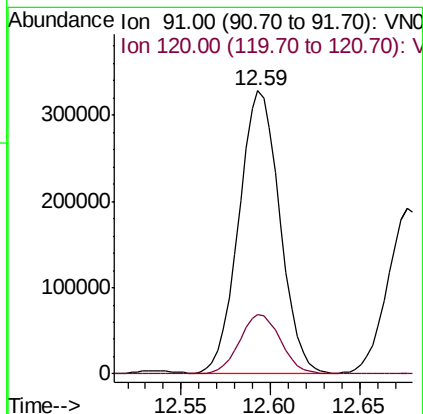
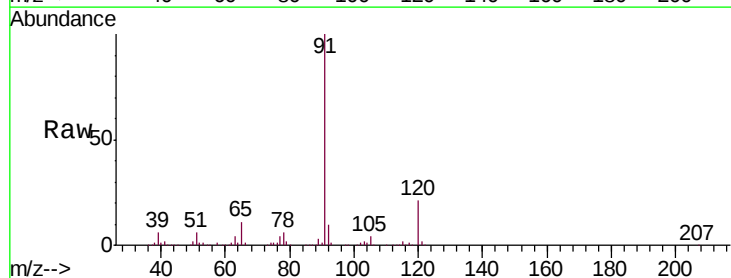
RT: 12.59 min Scan# 3365

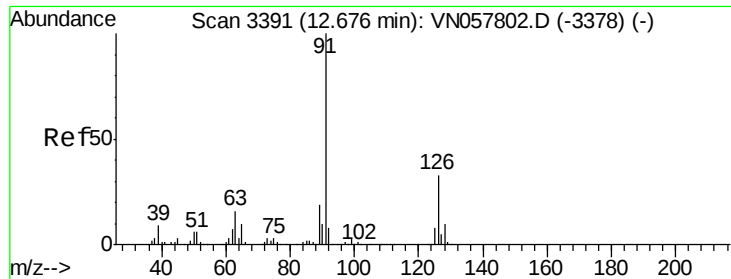
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.719 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

Tgt Ion: 91 Resp: 311175

Ion Ratio Lower Upper

91 100

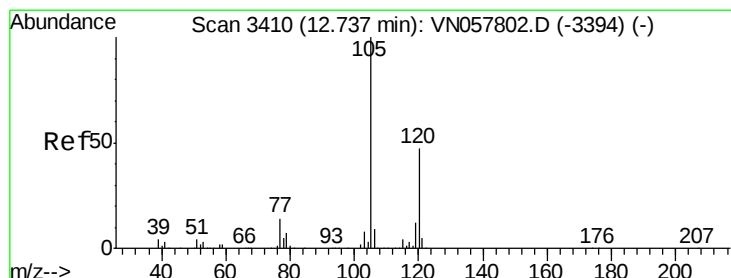
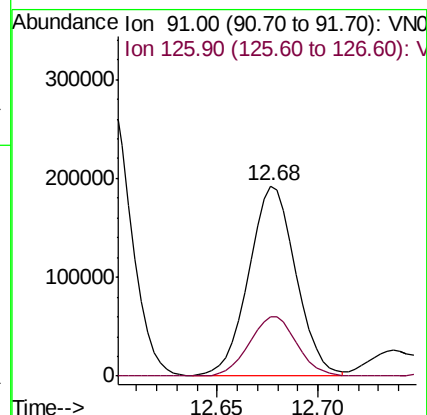
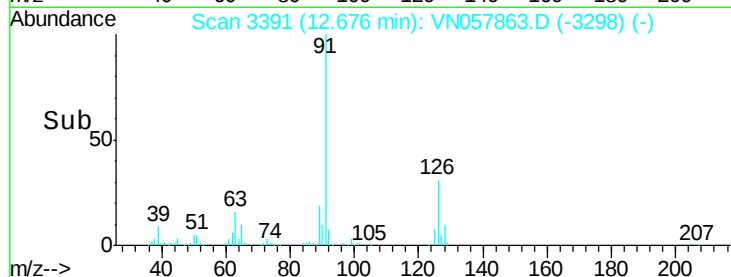
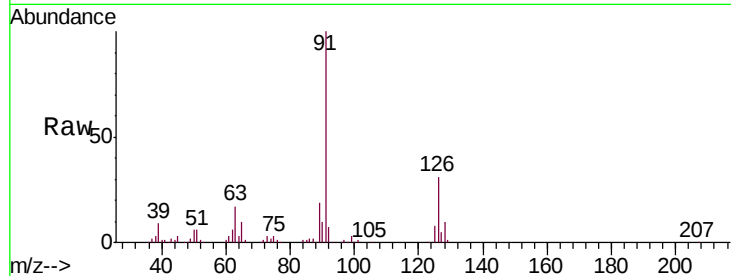
126 32.1 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.532 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057863.D

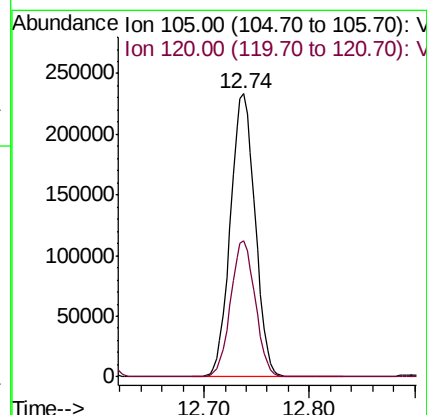
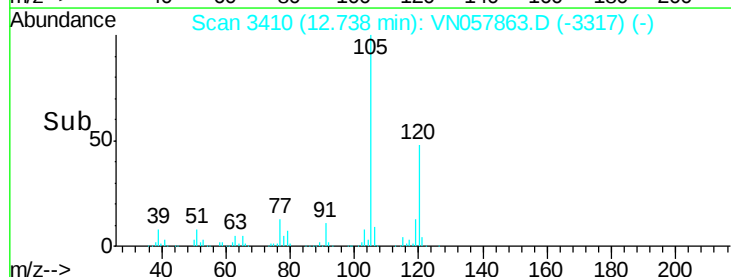
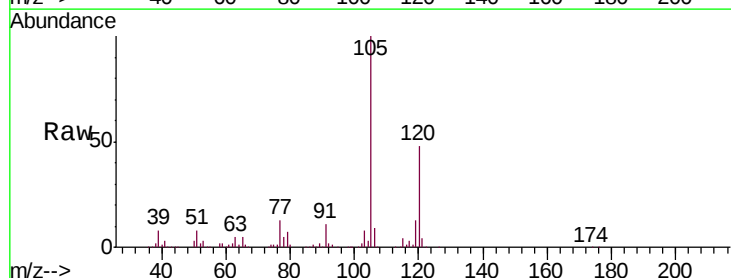
Acq: 10 Sep 2019 15:33

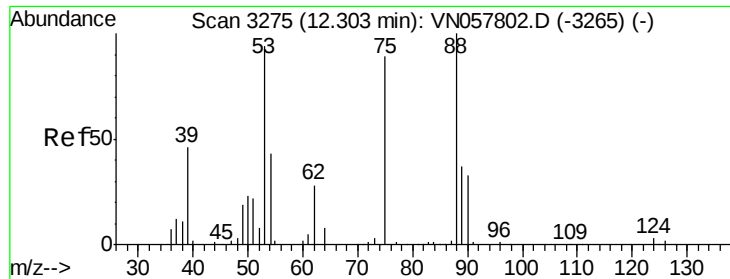
Tgt Ion: 105 Resp: 377210

Ion Ratio Lower Upper

105 100

120 47.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.422 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

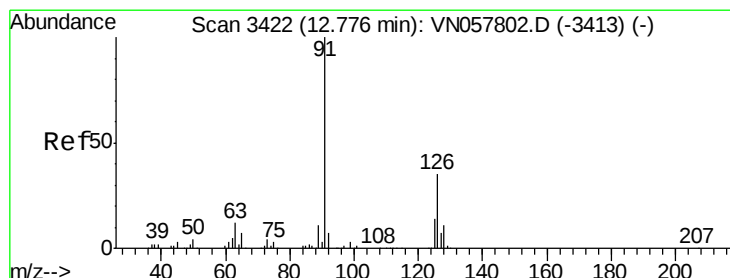
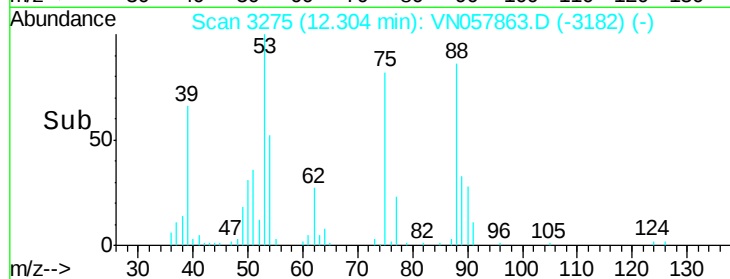
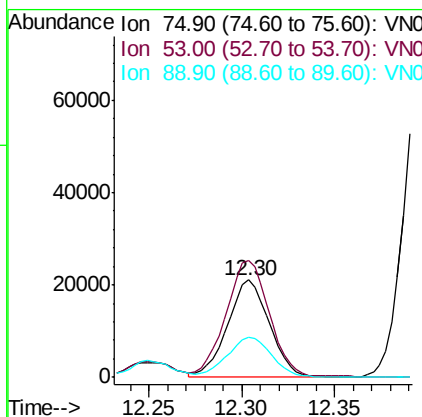
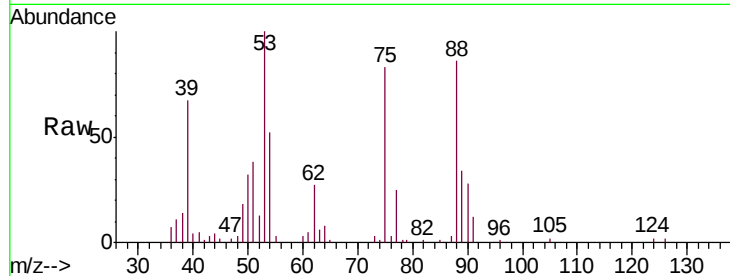
ClientSampleId :

VN0911WBS01

Tgt Ion:	75	Resp:	33183
Ion	Ratio	Lower	Upper
75	100		
53	125.4	88.4	132.6
89	43.8	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.950 ug/l

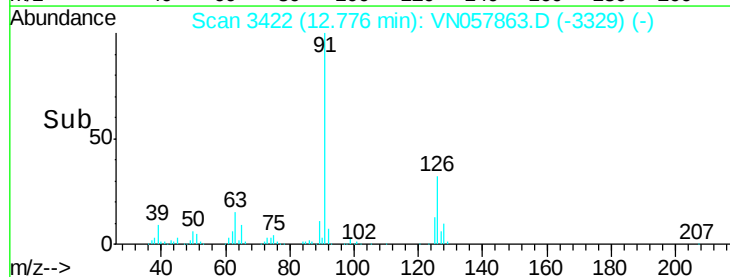
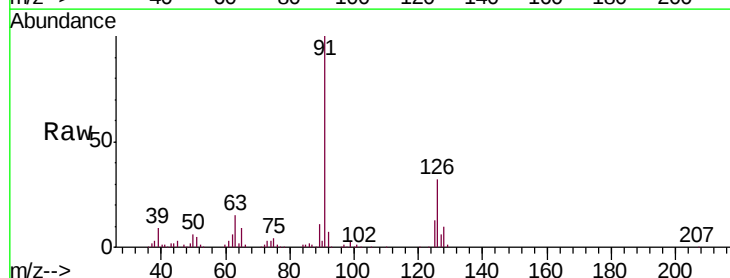
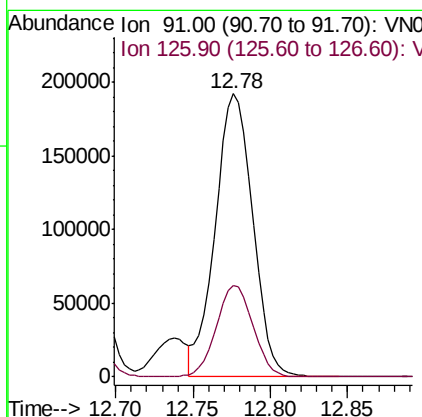
RT: 12.78 min Scan# 3422

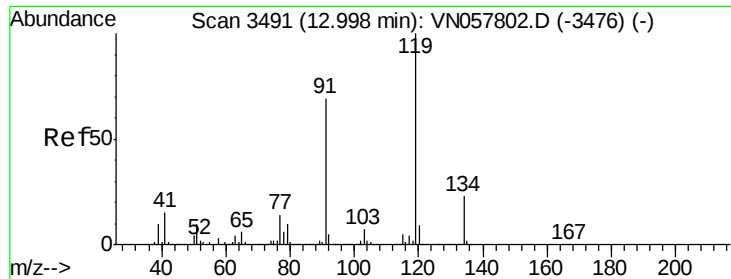
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	91	Resp:	323306
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0





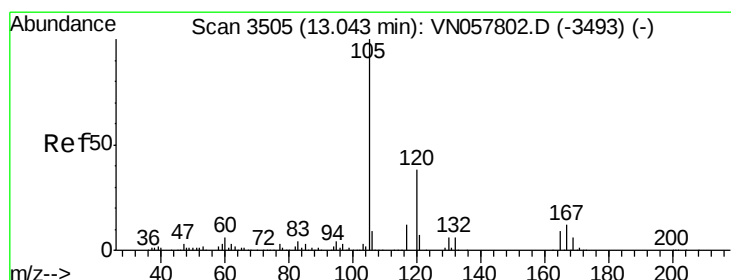
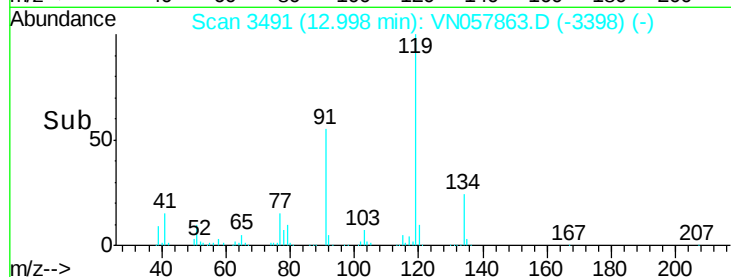
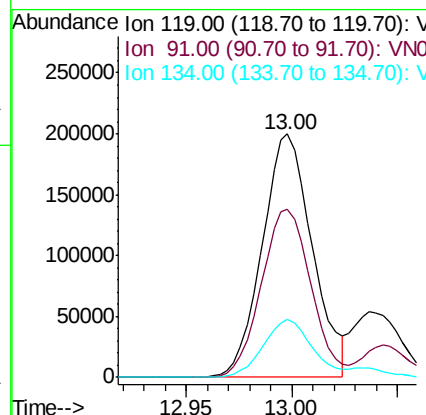
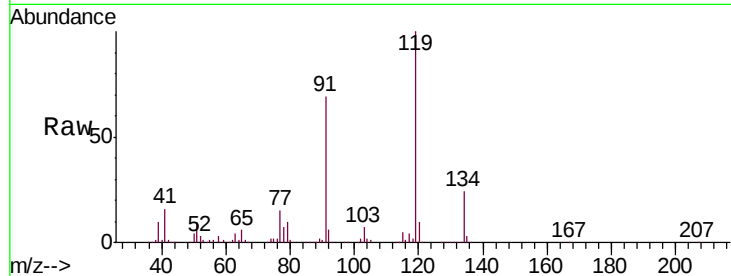
#83
 tert-Butylbenzene
 Concen: 20.184 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.6	100.8
134	23.1	11.7	35.0

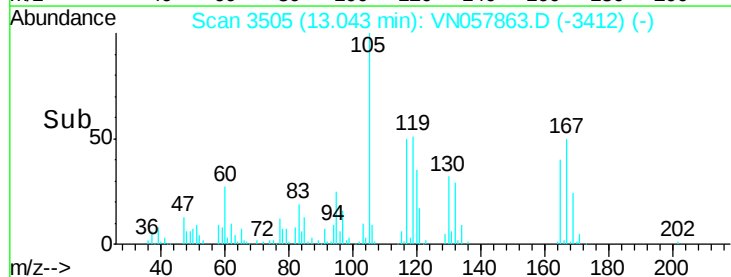
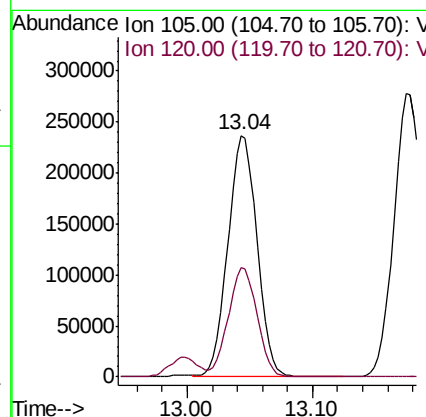
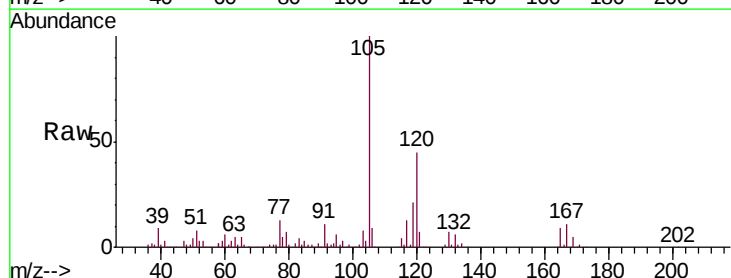
Manual Integrations
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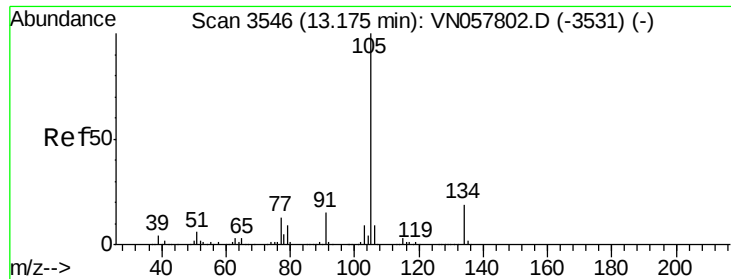
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.336 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.714 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS01

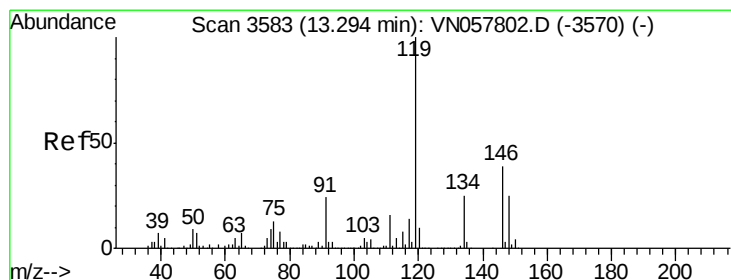
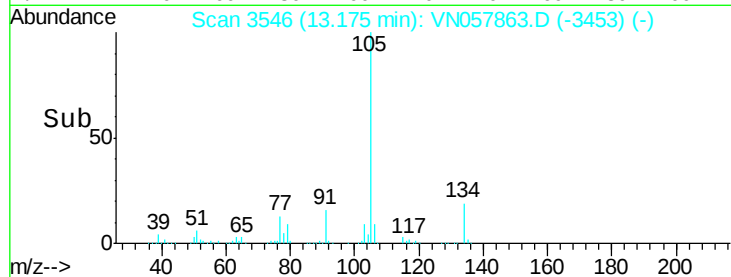
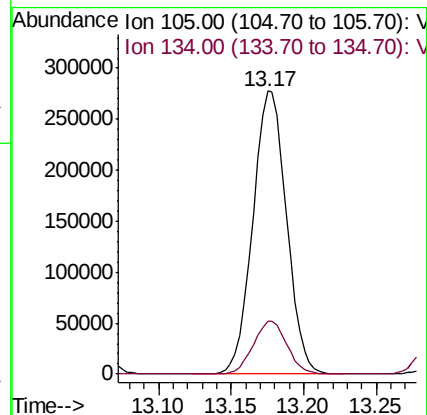
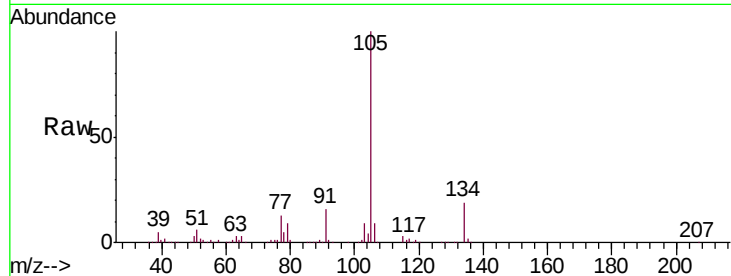
Tgt Ion:105 Resp: 448354
Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 20.853 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057863.D

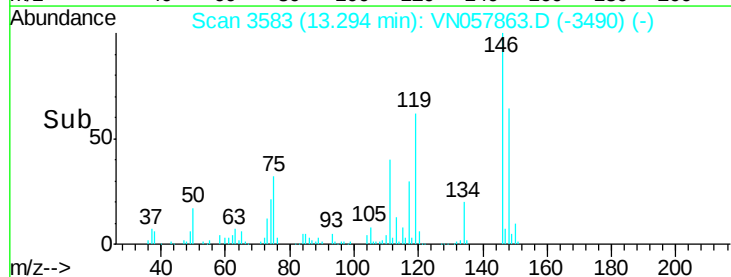
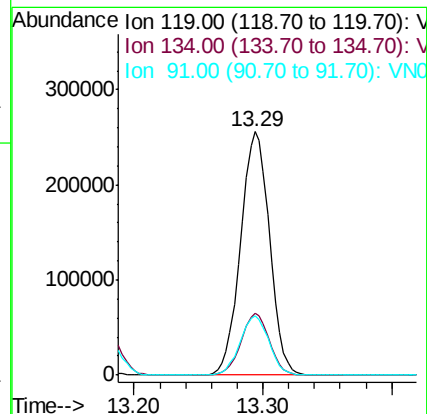
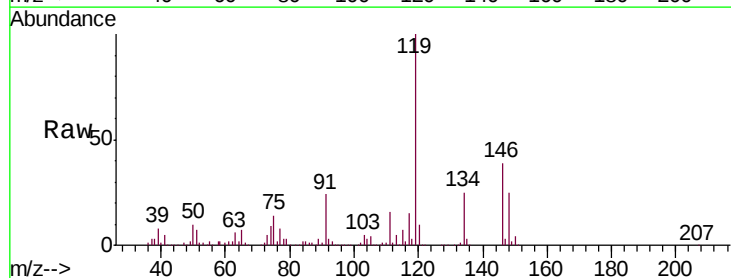
Acq: 10 Sep 2019 15:33

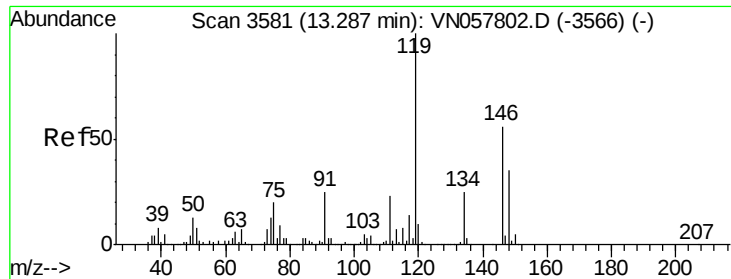
Tgt Ion:119 Resp: 397710
Ion Ratio Lower Upper

119 100

134 24.8 12.5 37.5

91 24.3 12.3 36.8





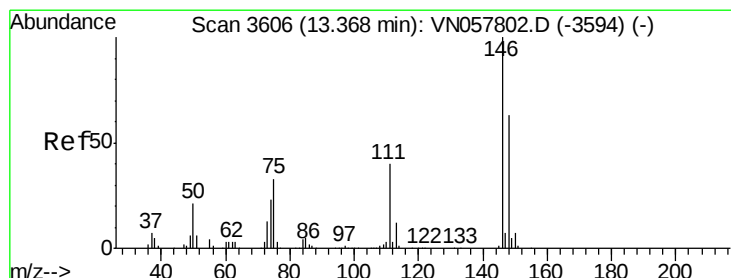
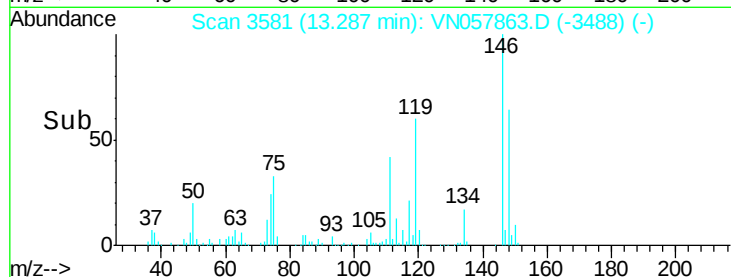
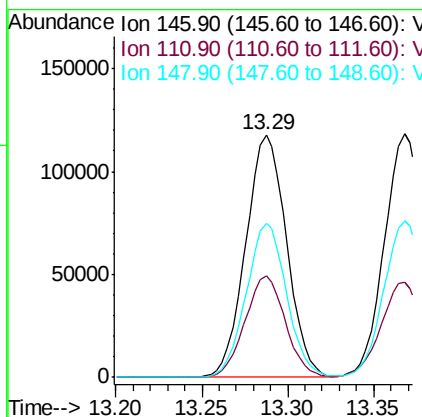
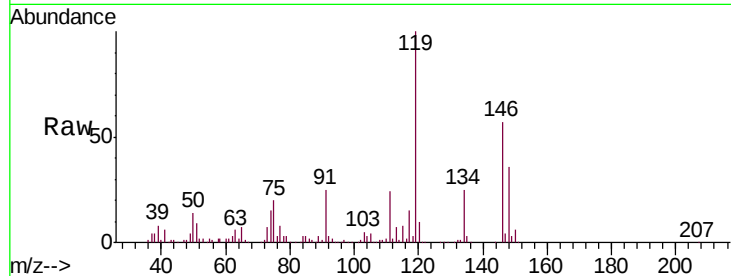
#87
 1,3-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	194067		
111	41.4	20.5	61.6	
148	62.8	31.5	94.5	

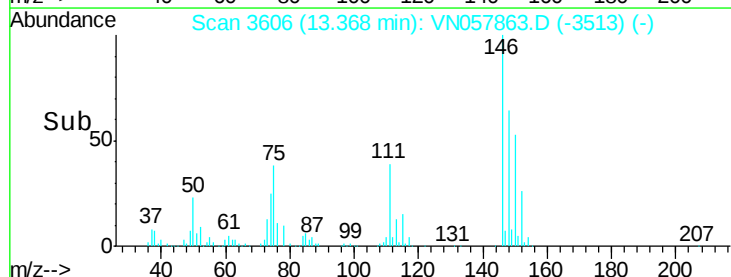
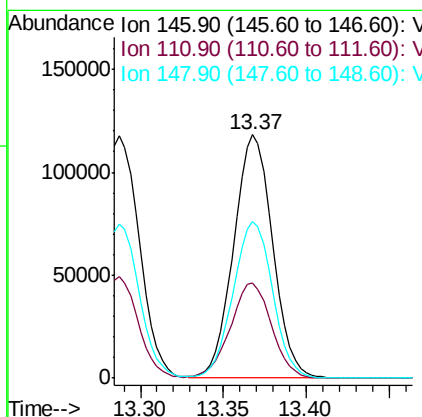
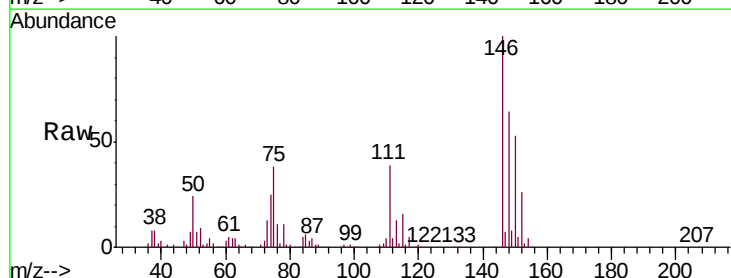
Manual Integrations
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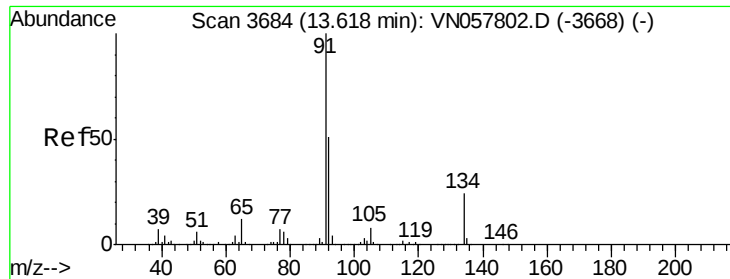
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 9/13/2019 7:06:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.086 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192771		
111	41.0	20.4	61.2	
148	65.6	31.8	95.4	





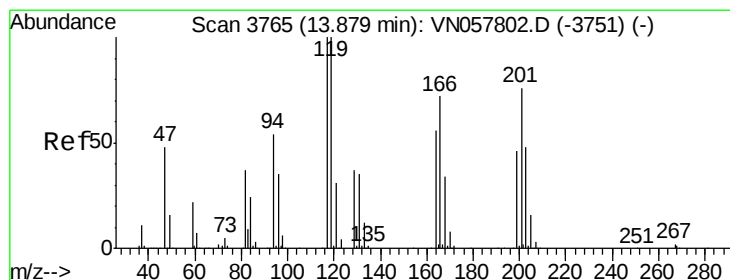
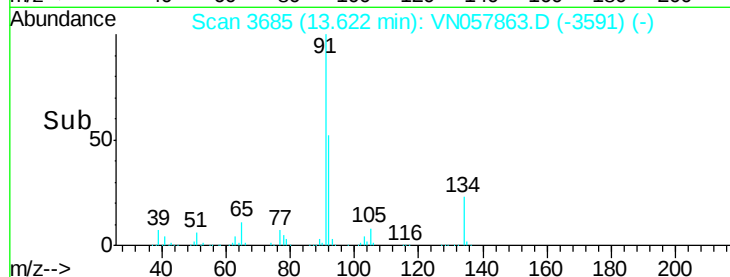
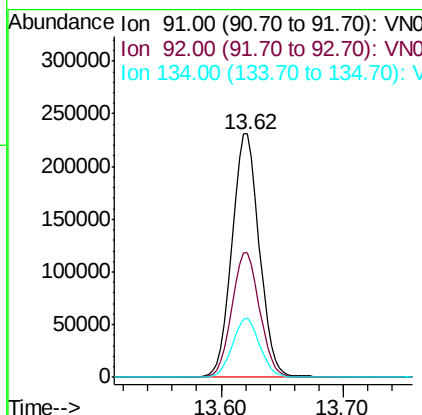
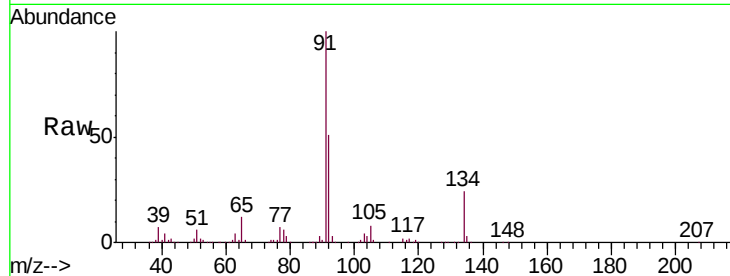
#89
n-Butylbenzene
Concen: 20.066 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.7	77.0
134	24.3	11.9	35.7

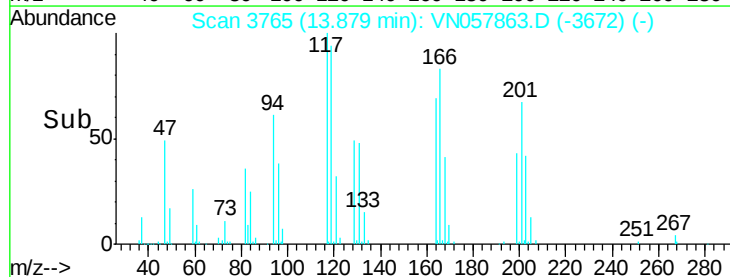
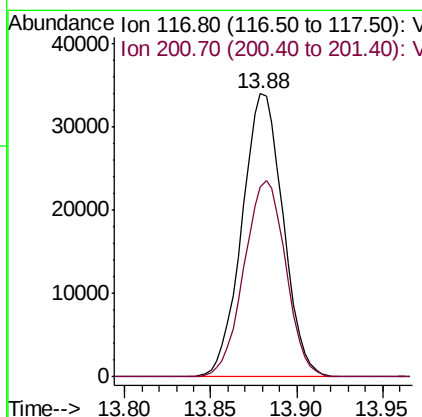
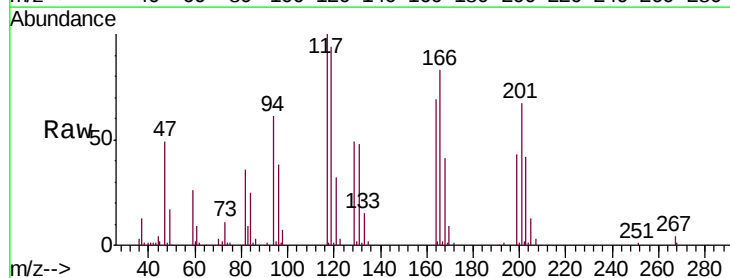
Manual Integrations
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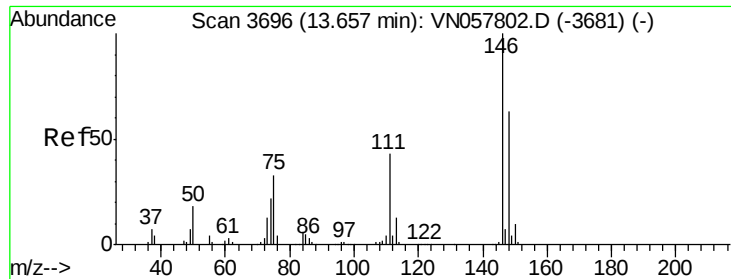
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#90
Hexachloroethane
Concen: 19.839 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057863.D
Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 19.797 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

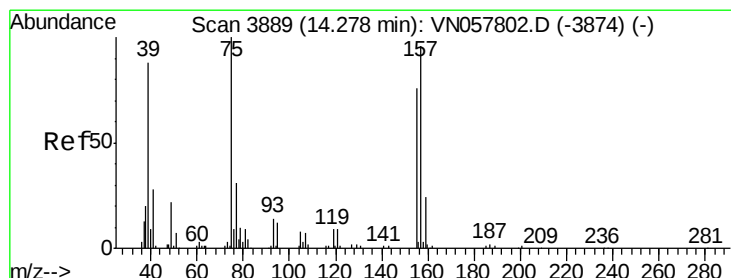
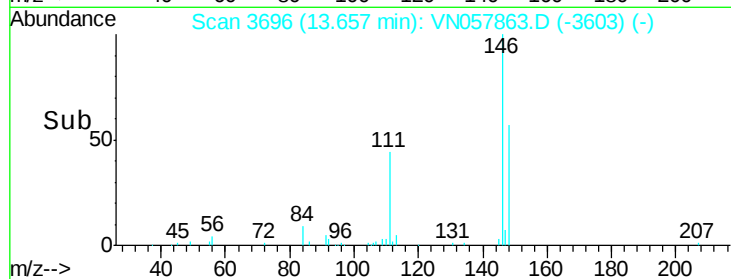
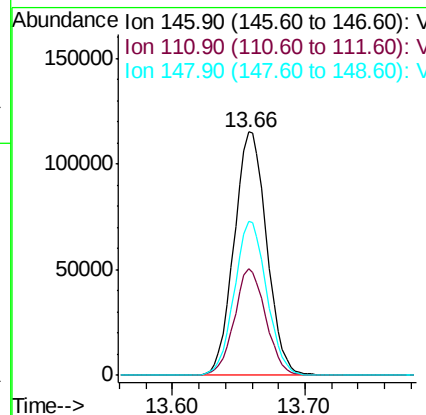
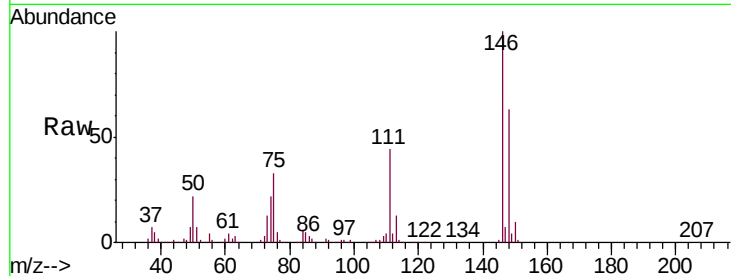
ClientSampleId :

VN0911WBS01

Tgt Ion:	146	Resp:	196803
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.3	63.9
148	62.8	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.886 ug/l

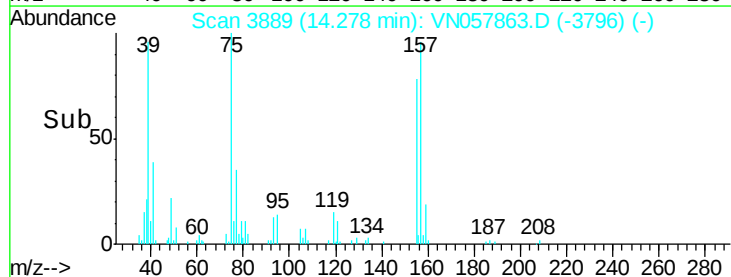
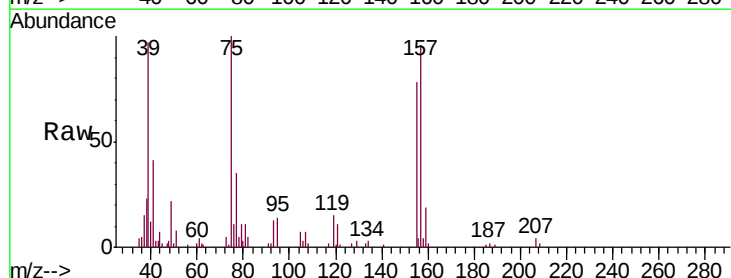
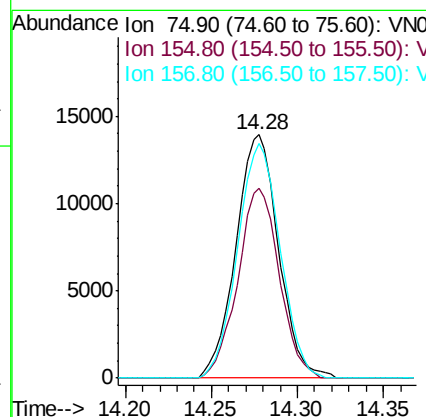
RT: 14.28 min Scan# 3889

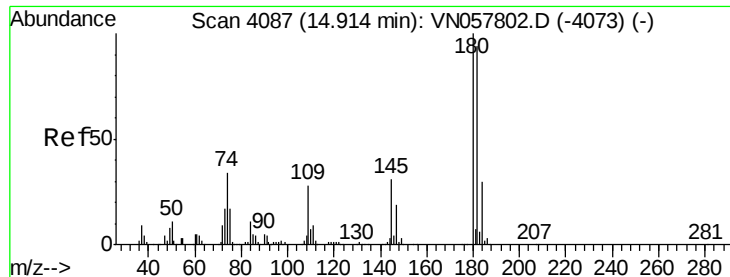
Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	75	Resp:	24043
Ion Ratio	Lower	Upper	
75	100		
155	75.7	37.3	111.8
157	96.2	47.9	143.8





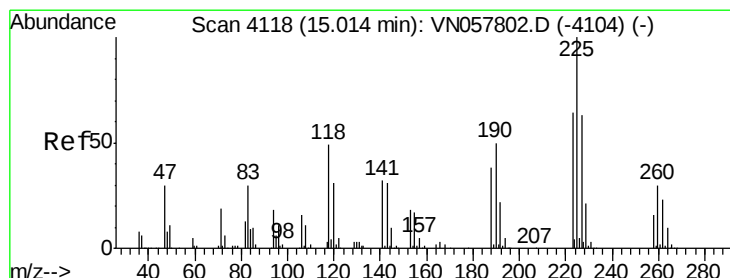
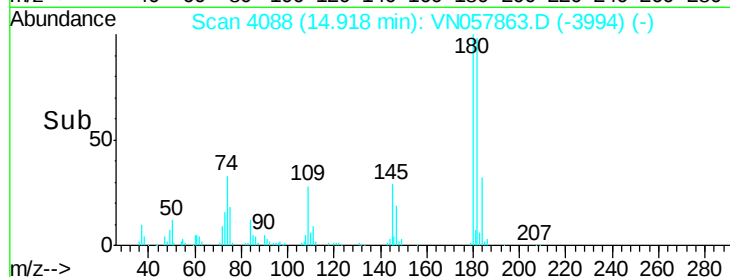
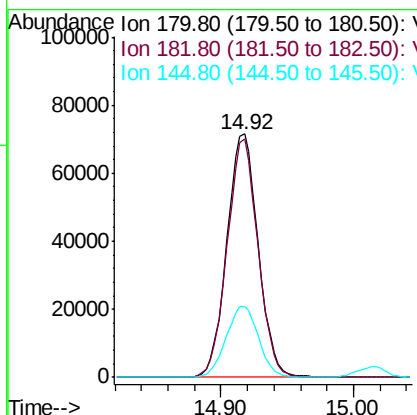
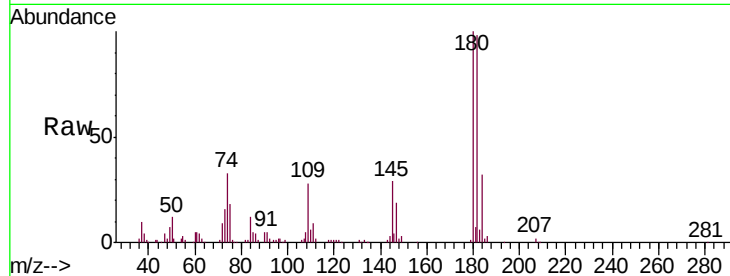
#93
 1,2,4-Trichlorobenzene
 Concen: 18.062 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117359		
182	96.0	46.9	140.8	
145	30.3	14.9	44.7	

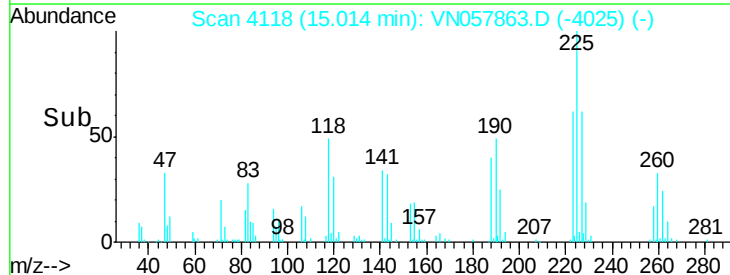
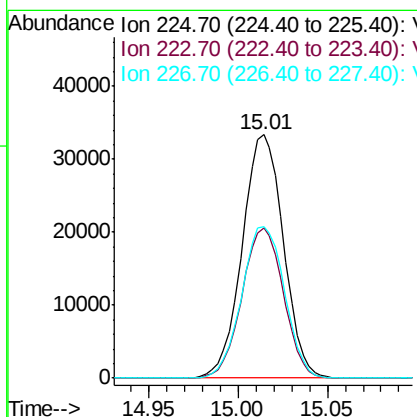
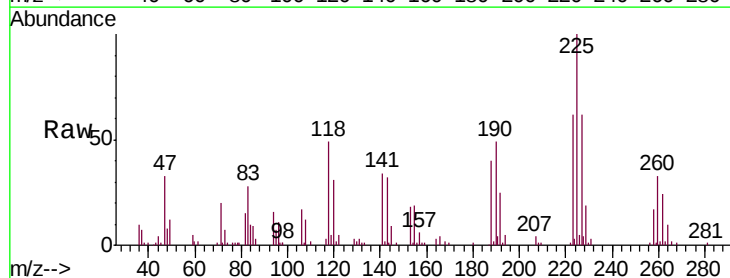
Manual Integrations
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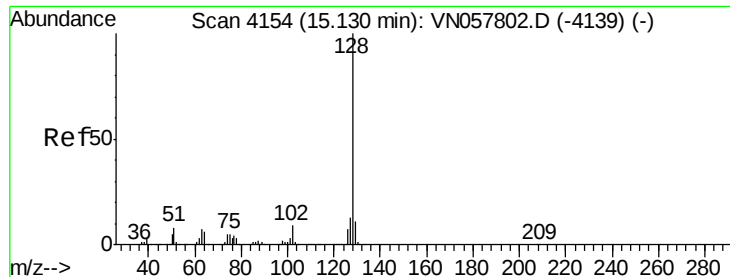
MMDadoda
 9/13/2019 7:06:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.511 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057863.D
 Acq: 10 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53740		
223	62.1	32.4	97.2	
227	64.7	31.8	95.4	





#95

Naphthalene

Concen: 19.445 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Instrument :

MSVOA_N

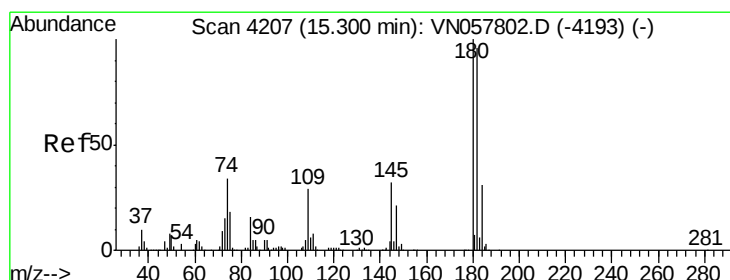
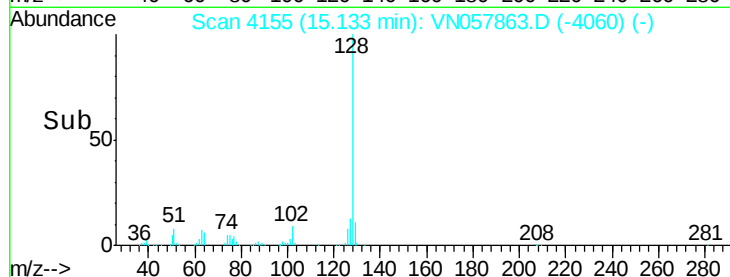
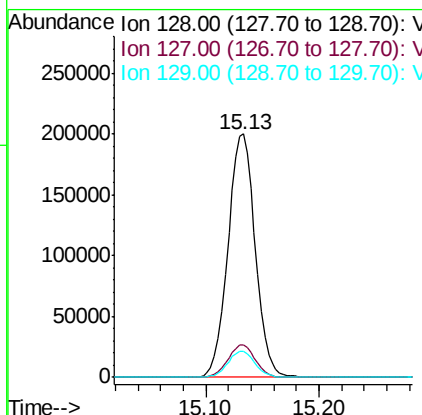
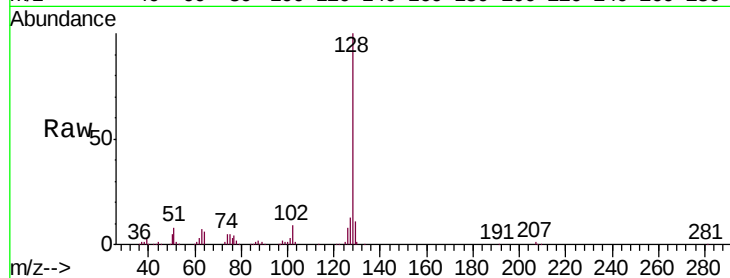
ClientSampleId :

VN0911WBS01

Tgt Ion:	128	Resp:	334712
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.345 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057863.D

Acq: 10 Sep 2019 15:33

Tgt Ion:	180	Resp:	111977
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.3	144.8
145	32.7	16.3	48.8

