

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057748.D
 Acq On : 7 Sep 2019 13:16
 Operator : JC/SP
 Sample : VN0907WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:19 PM

Quant Time: Sep 08 07:53:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	209678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	307570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	173483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	237248	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	7.58	113	150746	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	569279	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	221192	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60757	18.247	ug/l	98
3) Chloromethane	2.03	50	57165	11.816	ug/l	96
4) Vinyl Chloride	2.16	62	49725	17.244	ug/l	96
5) Bromomethane	2.54	94	29668	22.402	ug/l	94
6) Chloroethane	2.68	64	28954	17.008	ug/l	90
7) Trichlorofluoromethane	3.00	101	78809	17.029	ug/l	99
8) Diethyl Ether	3.39	74	34059	18.419	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53600	18.558	ug/l	96
10) Methyl Iodide	3.93	142	63747	22.277	ug/l	99
11) Tert butyl alcohol	4.77	59	48049	82.908	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	48518	18.671	ug/l	95
13) Acrolein	3.58	56	19604	71.127	ug/l #	83
14) Allyl chloride	4.30	41	103872	17.492	ug/l	98
15) Acrylonitrile	4.96	53	141774	95.151	ug/l	96
16) Acetone	3.80	43	143009	91.105	ug/l	98
17) Carbon Disulfide	4.03	76	100129	17.007	ug/l	99
18) Methyl Acetate	4.30	43	75092	17.591	ug/l #	81
19) Methyl tert-butyl Ether	5.02	73	200950	18.420	ug/l	95
20) Methylene Chloride	4.53	84	60578	17.848	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	28595	10.457	ug/l	90
22) Diisopropyl ether	5.93	45	228149	18.162	ug/l	99
23) Vinyl Acetate	5.87	43	938918	92.344	ug/l	99
24) 1,1-Dichloroethane	5.83	63	118480	18.395	ug/l	99
25) 2-Butanone	6.82	43	215087	95.681	ug/l	94
26) 2,2-Dichloropropane	6.81	77	93573	17.414	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	65399	19.054	ug/l	96
28) Bromochloromethane	7.18	49	63613	18.876	ug/l	96
29) Tetrahydrofuran	7.19	42	136630	94.247	ug/l	98
30) Chloroform	7.36	83	123849	18.453	ug/l	98
31) Cyclohexane	7.64	56	100221	17.505	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	101607	18.175	ug/l	99
36) 1,1-Dichloropropene	7.78	75	84853	19.278	ug/l	97
37) Ethyl Acetate	6.91	43	83705	19.156	ug/l	99
38) Carbon Tetrachloride	7.76	117	83872	19.901	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	90137	19.361	ug/l	98
40) Benzene	8.03	78	244632	19.650	ug/l	97
41) Methacrylonitrile	7.16	41	37112m	17.375	ug/l	
42) 1,2-Dichloroethane	8.11	62	109511	18.766	ug/l	98
43) Isopropyl Acetate	8.15	43	156560	18.666	ug/l	98
44) Trichloroethene	8.83	130	59418	21.236	ug/l	97
45) 1,2-Dichloropropane	9.11	63	67930	19.510	ug/l	96
46) Dibromomethane	9.20	93	45100	20.193	ug/l	92
47) Bromodichloromethane	9.40	83	91480	19.273	ug/l	99
48) Methyl methacrylate	9.19	41	78829	18.275	ug/l	99
49) 1,4-Dioxane	9.19	88	20073	399.948	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	464515	99.725	ug/l	99
52) Toluene	10.15	92	148565	19.689	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	86999	18.269	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	94501	18.368	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	59574	19.619	ug/l	93
56) Ethyl methacrylate	10.43	69	96318	19.873	ug/l	95
57) 1,3-Dichloropropane	10.71	76	104355	19.131	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	236403	96.140	ug/l	99
59) 2-Hexanone	10.75	43	326067	99.272	ug/l	99
60) Dibromochloromethane	10.90	129	57640	18.804	ug/l	98
61) 1,2-Dibromoethane	11.00	107	59419	20.383	ug/l	99
64) Tetrachloroethene	10.63	164	49835	20.783	ug/l	94
65) Chlorobenzene	11.43	112	160998	20.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56546	20.255	ug/l	98
67) Ethyl Benzene	11.51	91	302411	19.536	ug/l	99
68) m/p-Xylenes	11.62	106	212083	39.777	ug/l	96
69) o-Xylene	11.95	106	105136	19.914	ug/l	96
70) Styrene	11.96	104	179594	19.660	ug/l	98
71) Bromoform	12.13	173	35067	18.962	ug/l #	100
73) Isopropylbenzene	12.25	105	291411	19.000	ug/l	97
74) N-amyl acetate	12.07	43	136205	17.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	89377	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	74507m	18.702	ug/l	
77) Bromobenzene	12.53	156	69389	20.825	ug/l	90
78) n-propylbenzene	12.59	91	342332	18.787	ug/l	97
79) 2-Chlorotoluene	12.68	91	210537	18.979	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	254910	19.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20776	16.219	ug/l	99
82) 4-Chlorotoluene	12.78	91	212679	18.615	ug/l	98
83) tert-Butylbenzene	13.00	119	214611	19.539	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	248091	19.223	ug/l	100
85) sec-Butylbenzene	13.17	105	282003	18.636	ug/l	99
86) p-Isopropyltoluene	13.29	119	251454	19.608	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	121045	19.432	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	123870	19.878	ug/l	99
89) n-Butylbenzene	13.62	91	231877	18.283	ug/l	98
90) Hexachloroethane	13.88	117	36790	18.309	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	122869	20.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16413	18.115	ug/l	92

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ClientSampleId :
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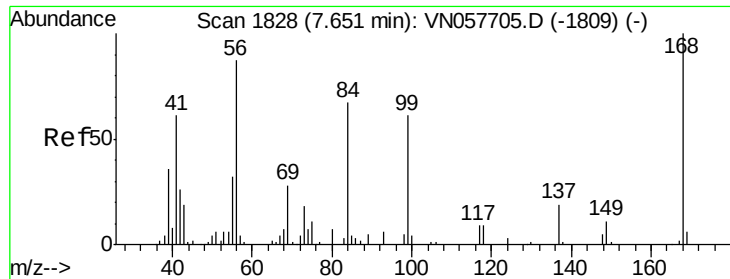
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74602	20.333	ug/l	100
94) Hexachlorobutadiene	15.01	225	40280	22.524	ug/l	99
95) Naphthalene	15.13	128	200762	18.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	73869	21.004	ug/l	98

(#) = 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: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion:168 Resp: 209678

Ion Ratio Lower Upper

168 100

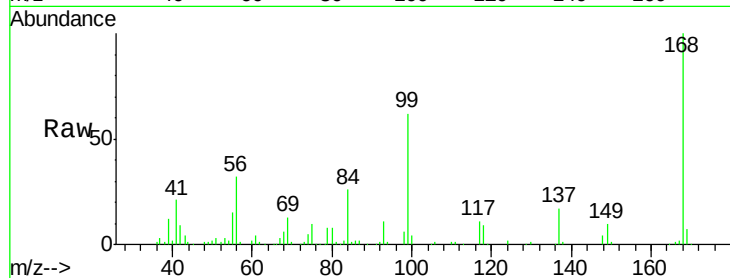
99 61.8 57.4 86.0

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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

80000

60000

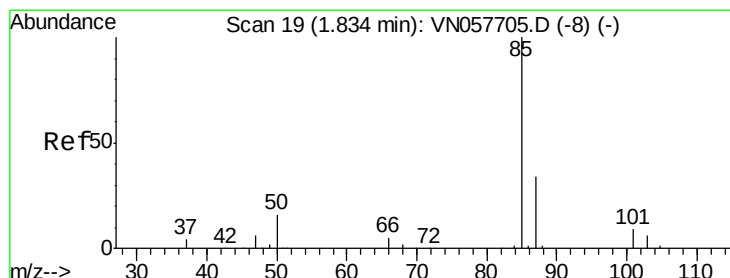
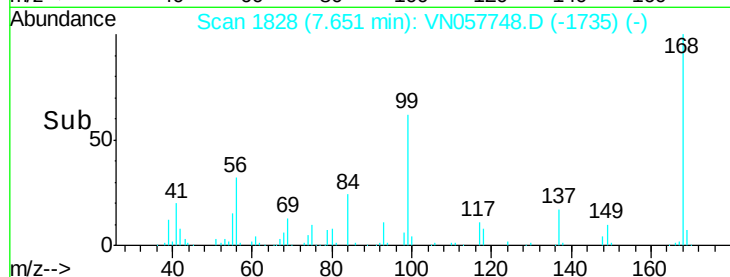
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.247 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057748.D

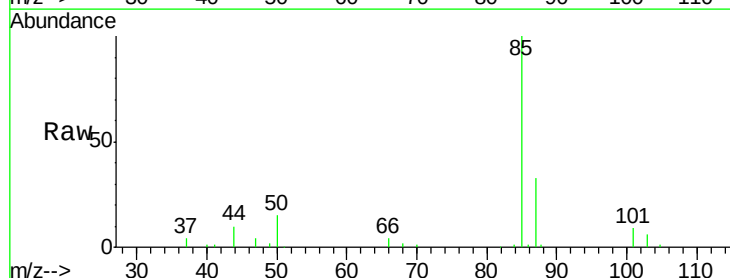
Acq: 7 Sep 2019 13:16

Tgt Ion: 85 Resp: 60757

Ion Ratio Lower Upper

85 100

87 32.9 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

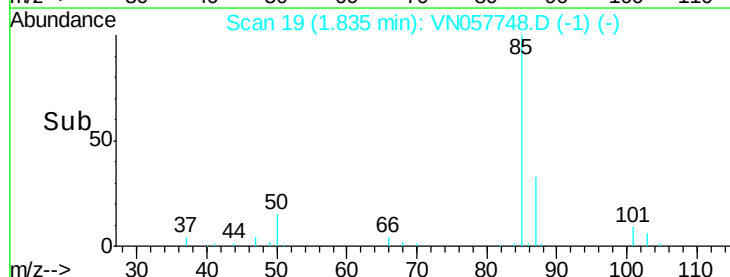
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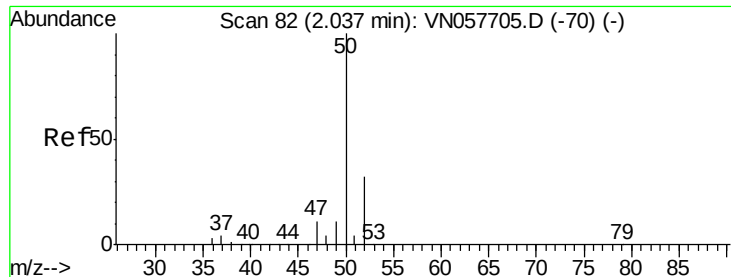
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 11.816 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 50 Resp: 57165

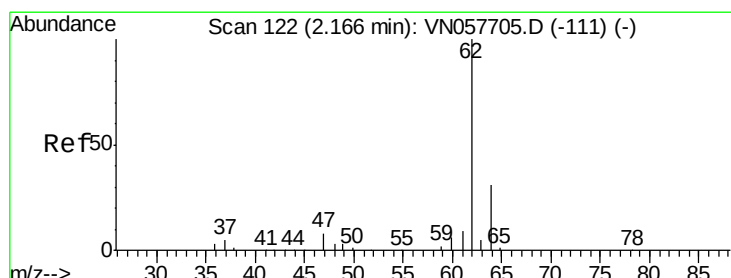
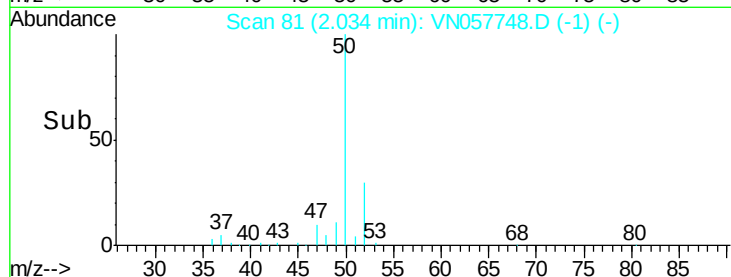
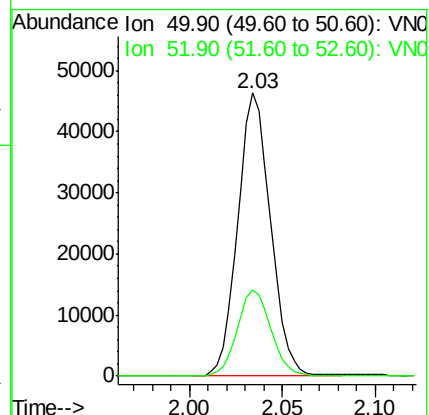
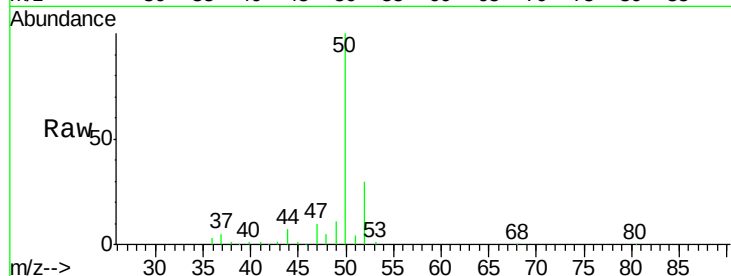
Ion Ratio Lower Upper

50 100

52 30.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 17.244 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057748.D

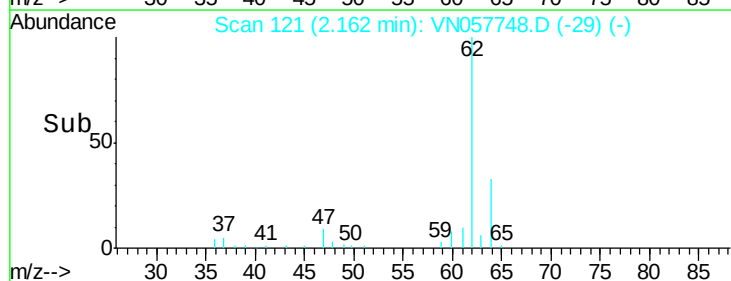
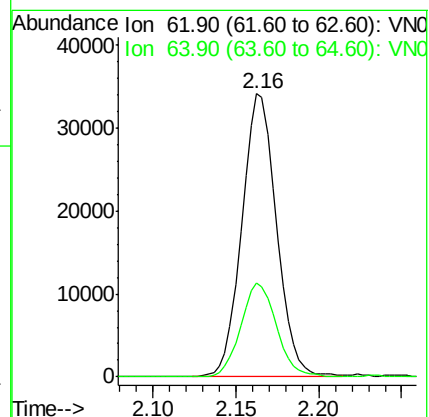
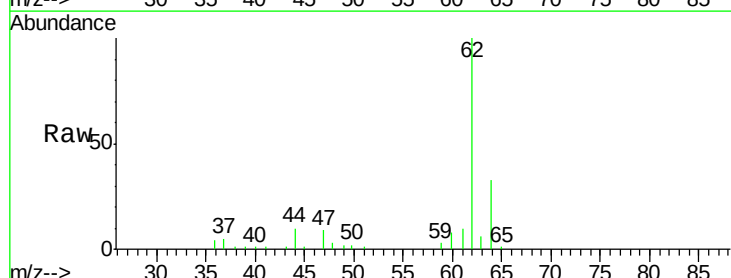
Acq: 7 Sep 2019 13:16

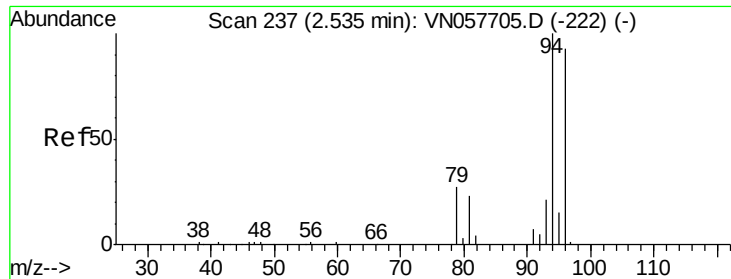
Tgt Ion: 62 Resp: 49725

Ion Ratio Lower Upper

62 100

64 33.2 24.9 37.3





#5

Bromomethane

Concen: 22.402 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 94 Resp: 29668

Ion Ratio Lower Upper

94 100

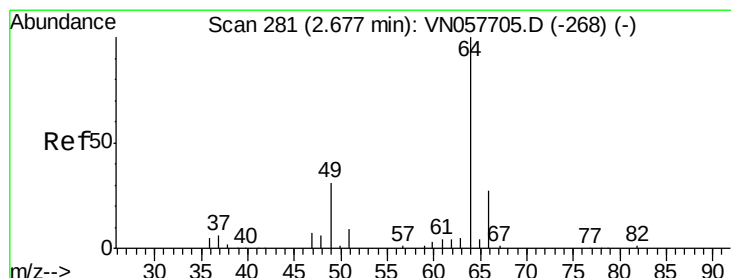
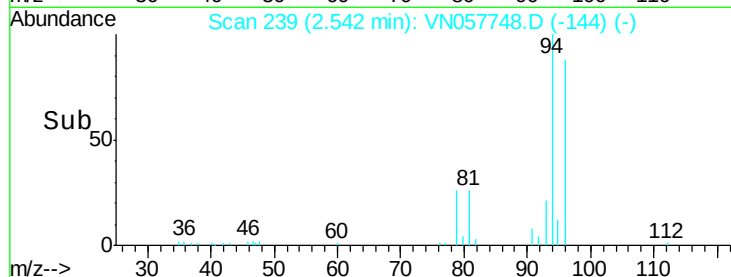
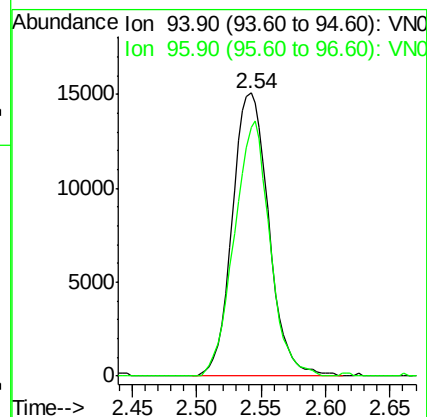
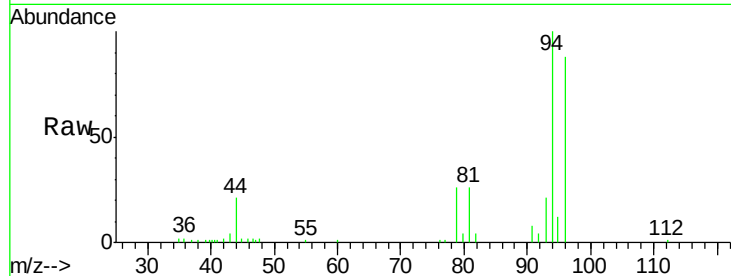
96 87.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 17.008 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN057748.D

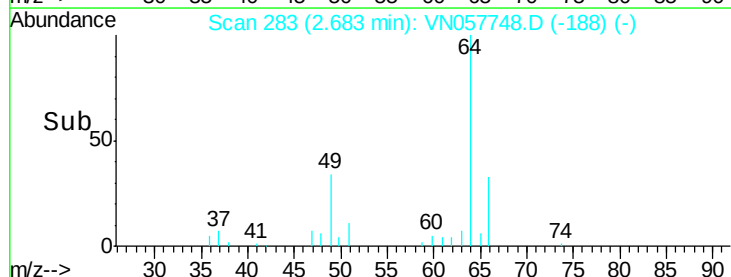
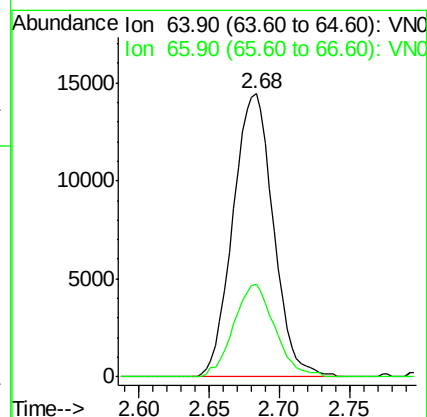
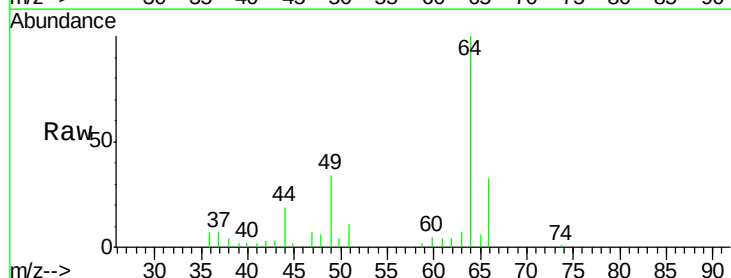
Acq: 7 Sep 2019 13:16

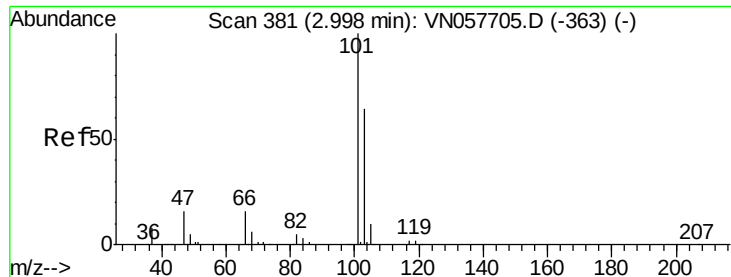
Tgt Ion: 64 Resp: 28954

Ion Ratio Lower Upper

64 100

66 32.7 22.0 33.0





#7

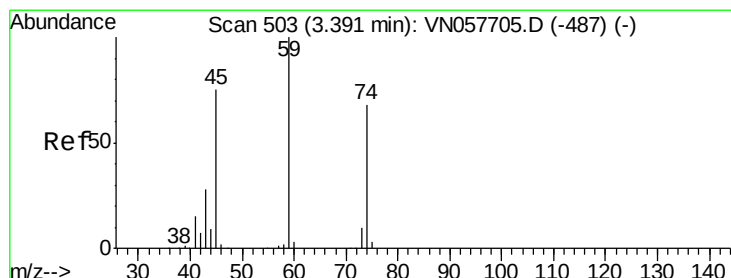
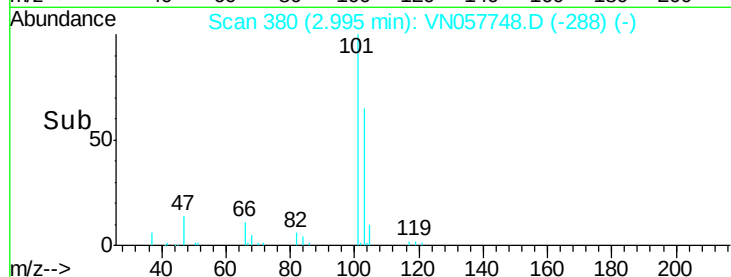
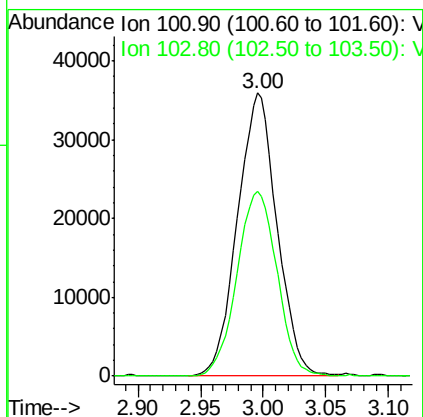
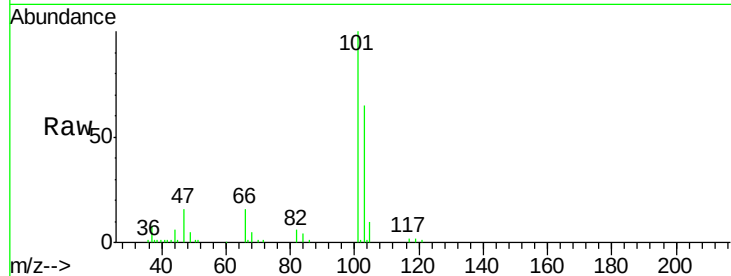
Trichlorofluoromethane
 Concen: 17.029 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

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 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.0

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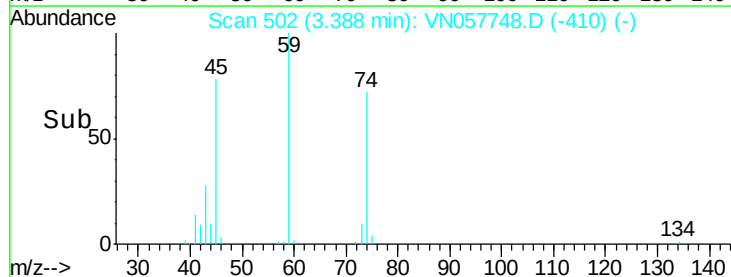
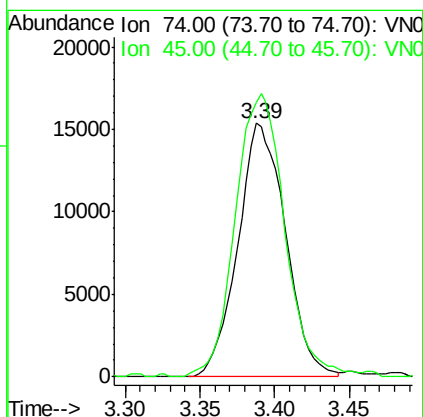
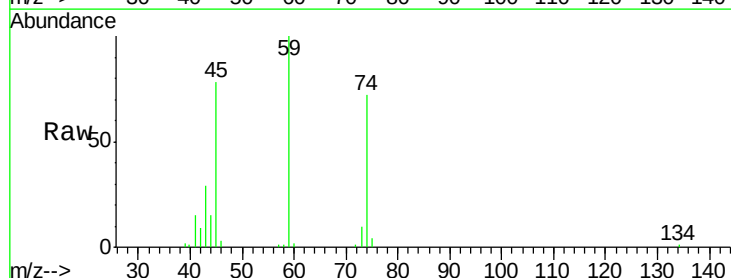
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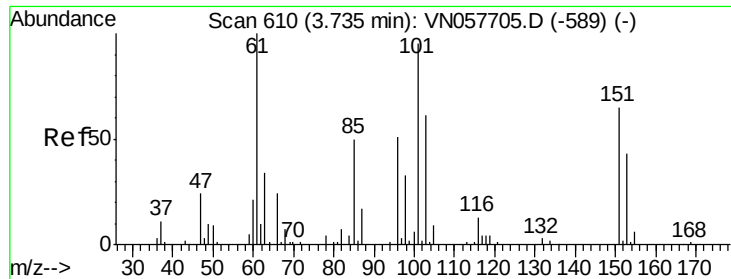


#8

Diethyl Ether
 Concen: 18.419 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.1	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.558 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

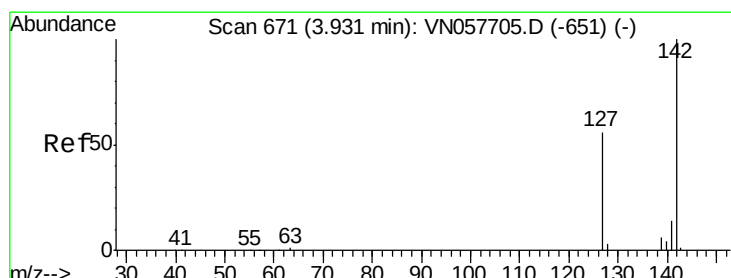
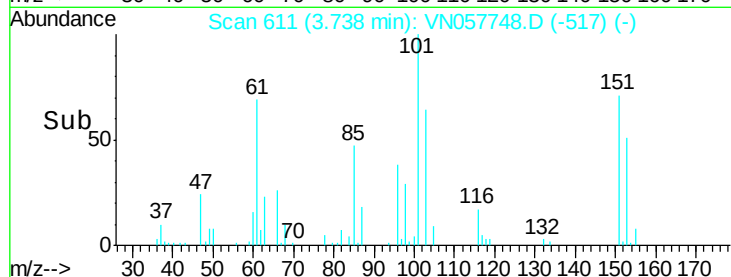
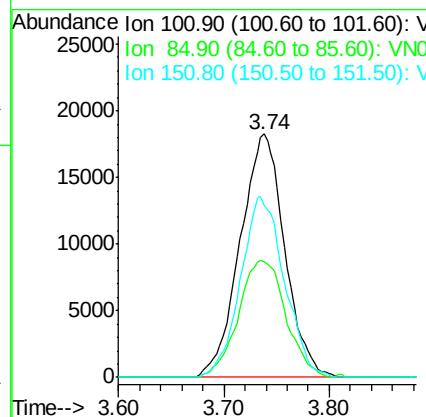
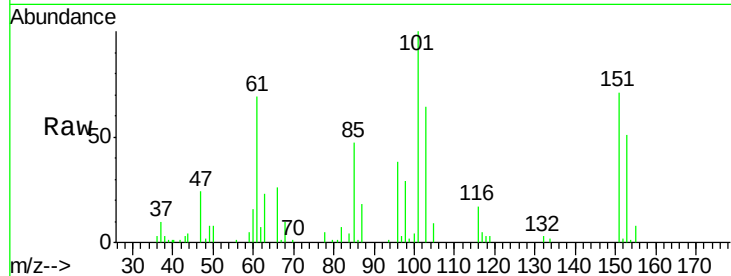
ClientSampleId :

VN0907WBSD01

Tot Ion:	101	Resp:	53600
Ion Ratio	Lower	Upper	
101	100		
85	51.1	42.8	64.2
151	72.9	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 22.277 ug/l

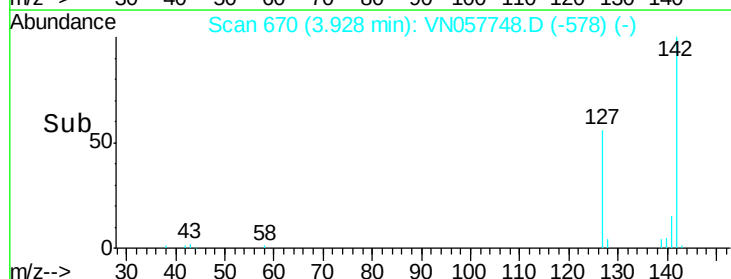
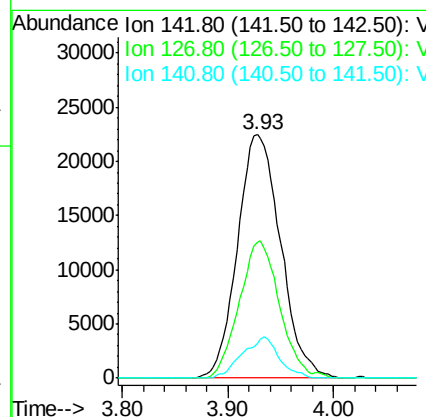
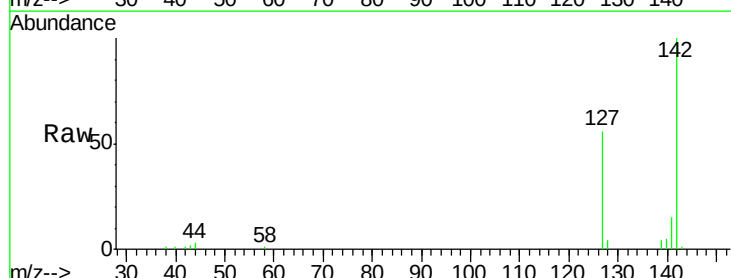
RT: 3.93 min Scan# 670

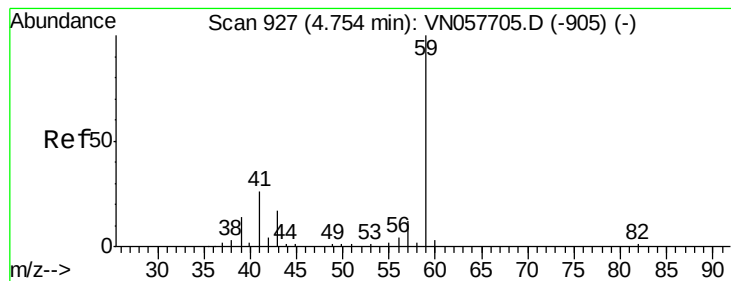
Delta R.T. -0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion:	142	Resp:	63747
Ion Ratio	Lower	Upper	
142	100		
127	52.7	42.1	63.1
141	14.6	11.0	16.4





#11

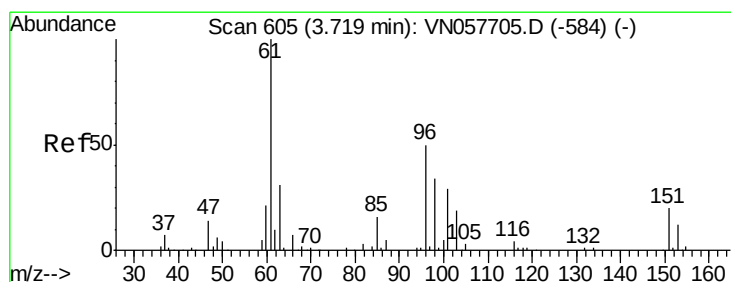
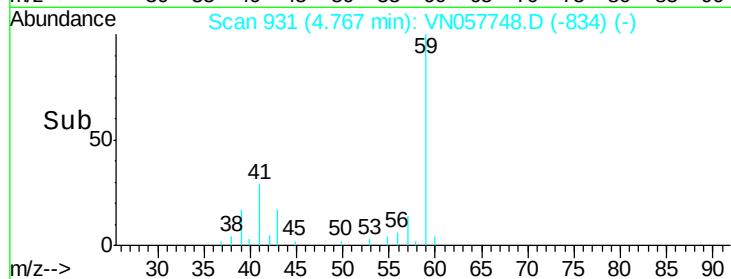
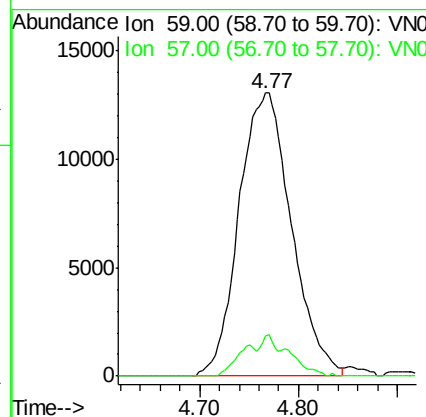
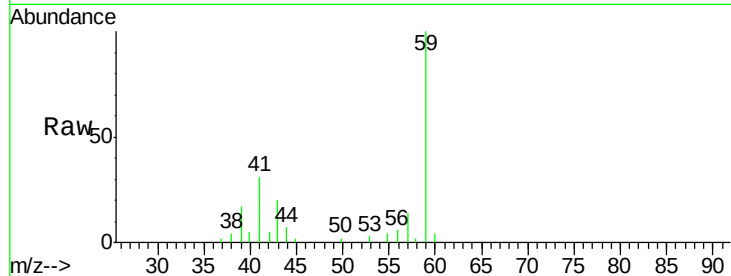
Tert butyl alcohol
 Concen: 82.908 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.9	13.3#

Manual Integrations
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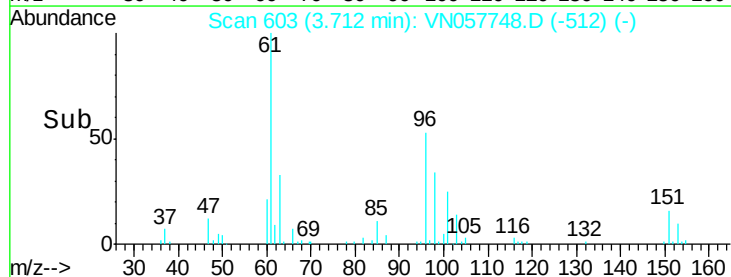
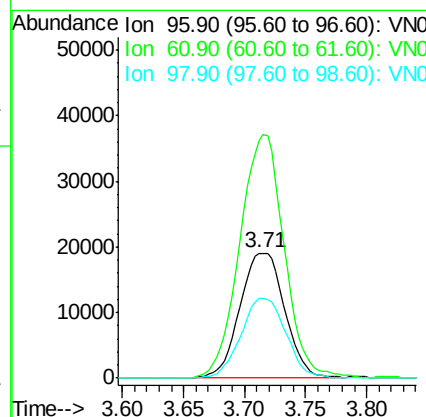
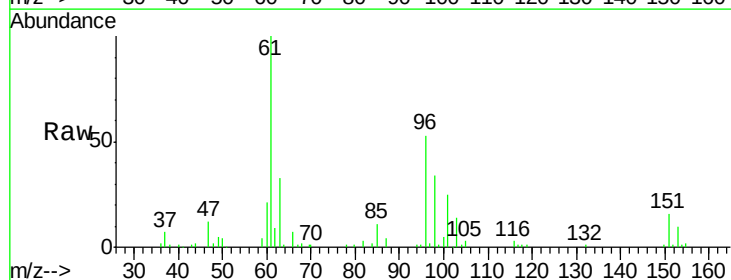
MMDadoda
 9/10/2019 3:03:19 PM

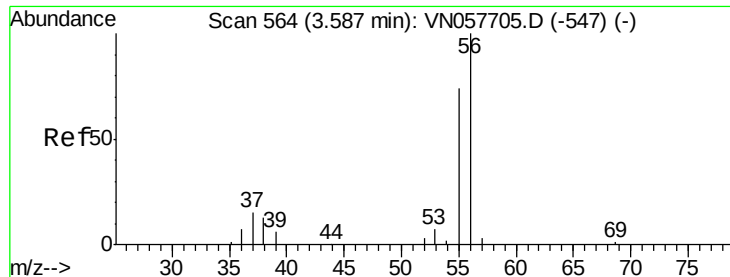


#12

1,1-Dichloroethene
 Concen: 18.671 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.7	158.7	238.1
98	63.7	53.8	80.8





#13

Acrolein

Concen: 71.127 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 56 Resp: 19604

Ion Ratio Lower Upper

56 100

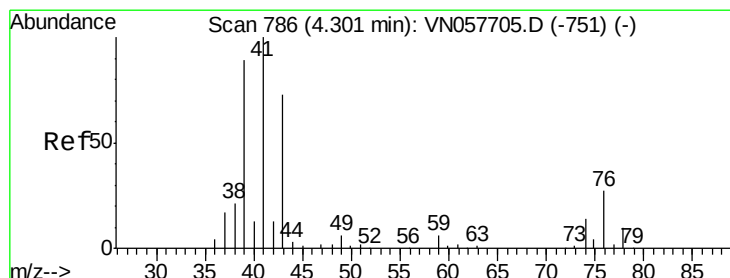
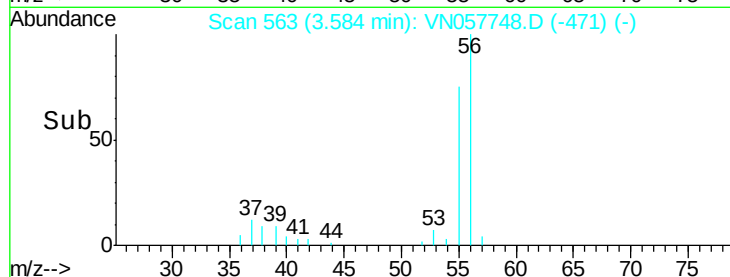
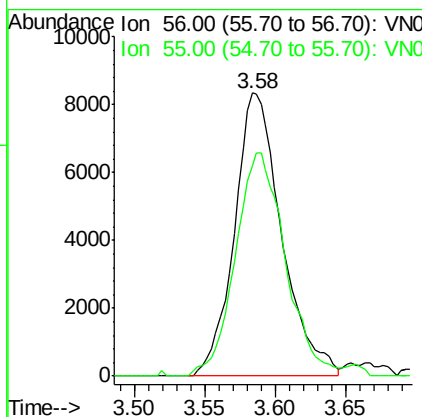
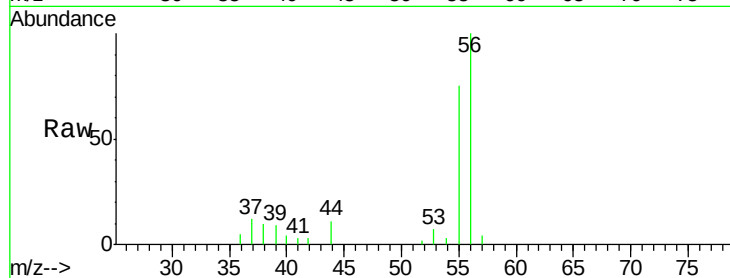
55 83.1 55.4 83.0#

Manual Integrations

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#14

Allyl chloride

Concen: 17.492 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

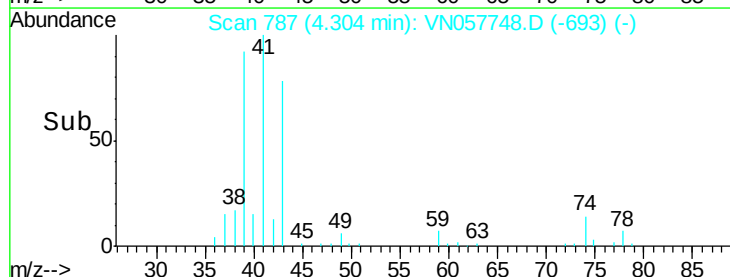
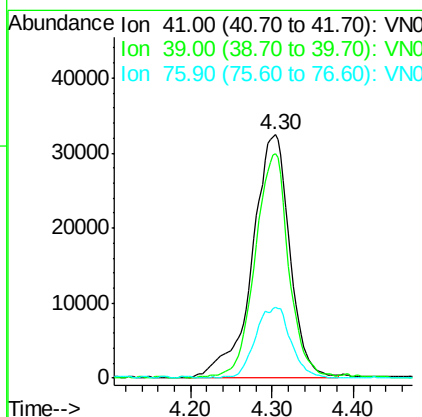
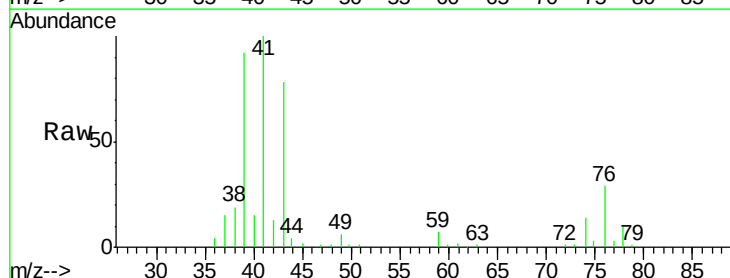
Tgt Ion: 41 Resp: 103872

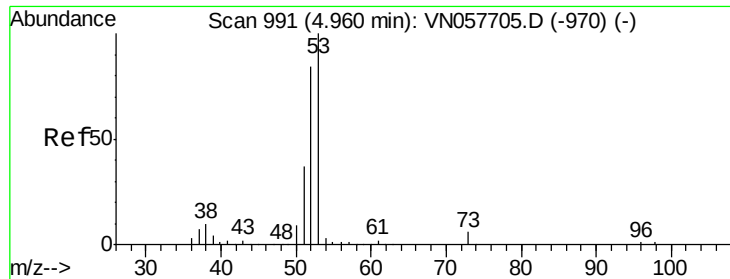
Ion Ratio Lower Upper

41 100

39 82.7 67.5 101.3

76 27.2 21.4 32.2





#15

Acrylonitrile

Concen: 95.151 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

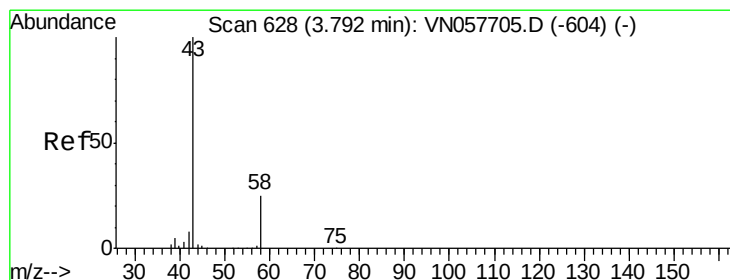
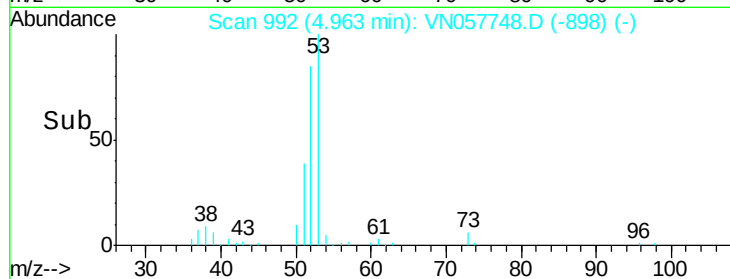
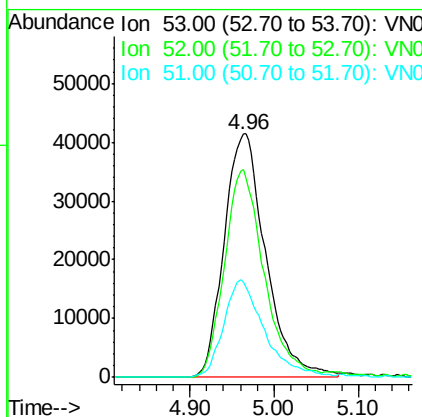
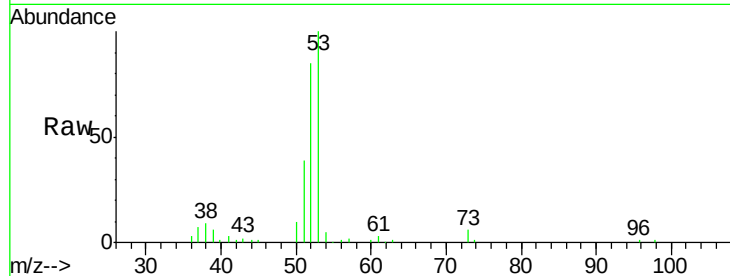
ClientSampleId :

VN0907WBSD01

Tot Ion:	53	Resp:	141774
Ion	Ratio	Lower	Upper
53	100		
52	81.0	68.1	102.1
51	39.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 91.105 ug/l

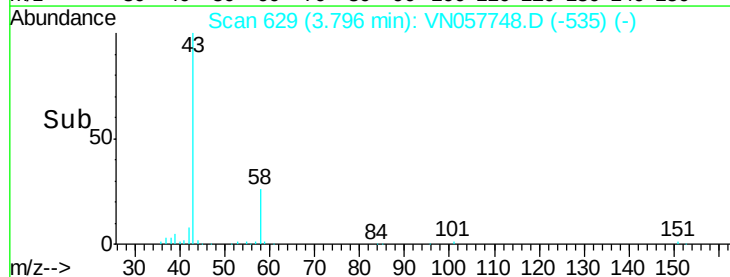
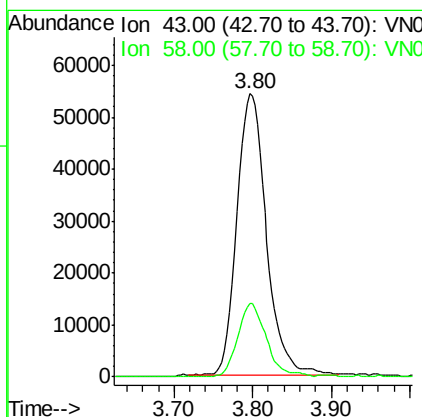
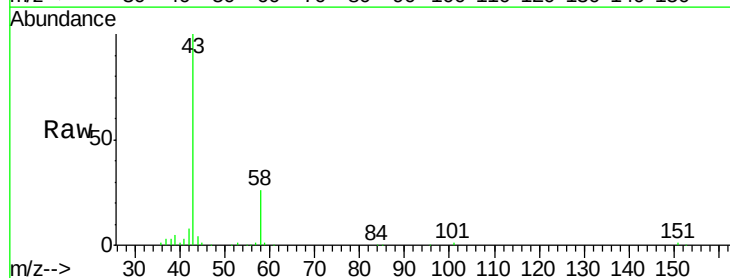
RT: 3.80 min Scan# 629

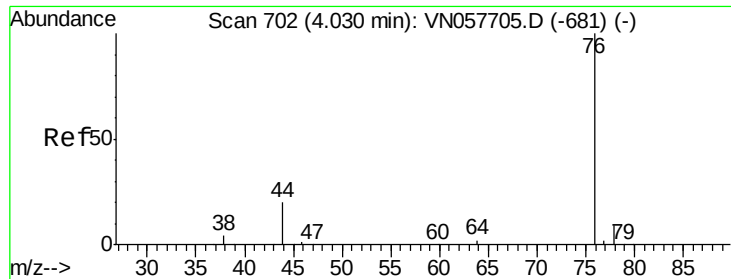
Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion:	43	Resp:	143009
Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.8	29.8





#17

Carbon Disulfide

Concen: 17.007 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 76 Resp: 100129

Ion Ratio Lower Upper

76 100

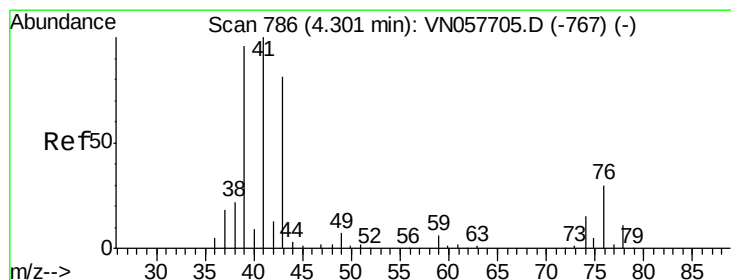
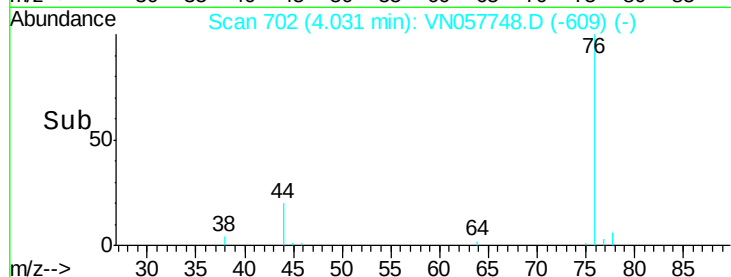
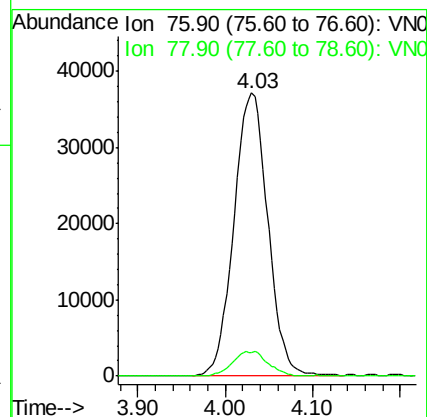
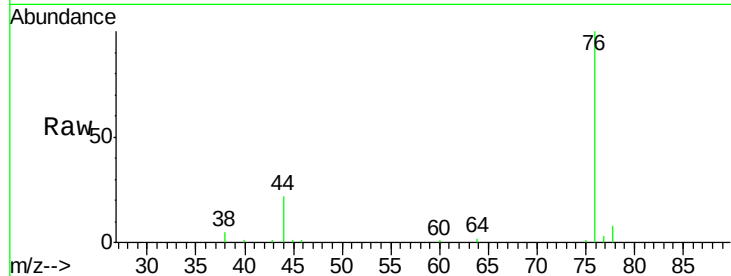
78 8.3 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 17.591 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057748.D

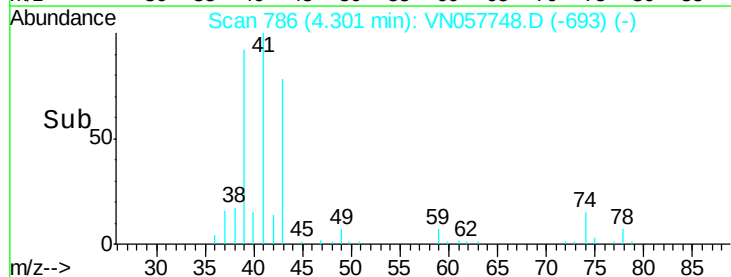
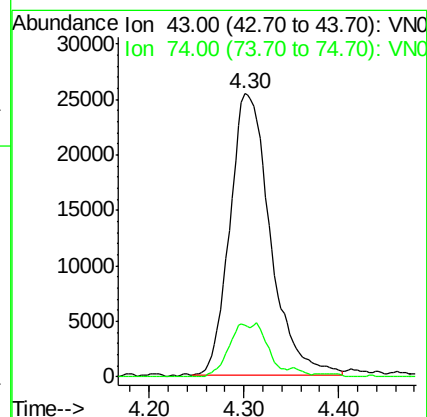
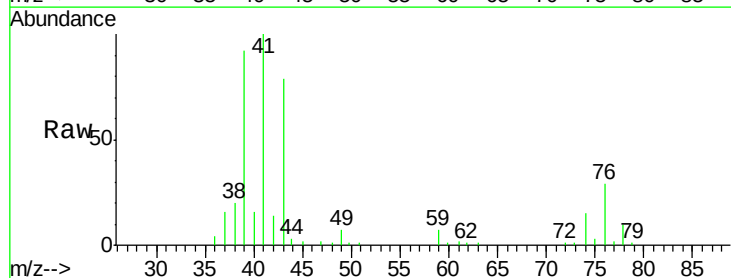
Acq: 7 Sep 2019 13:16

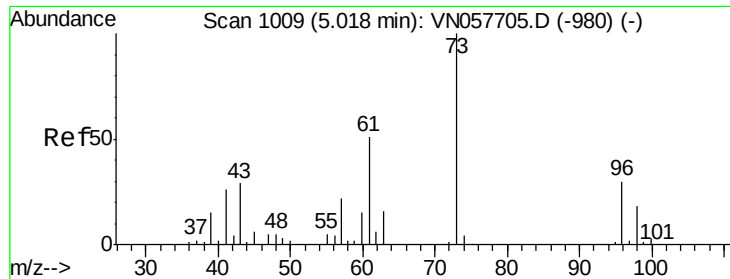
Tgt Ion: 43 Resp: 75092

Ion Ratio Lower Upper

43 100

74 10.3 15.3 22.9#





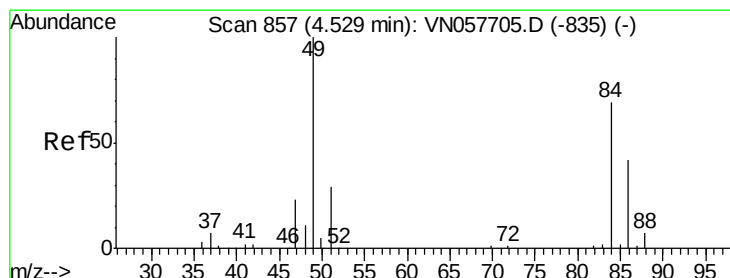
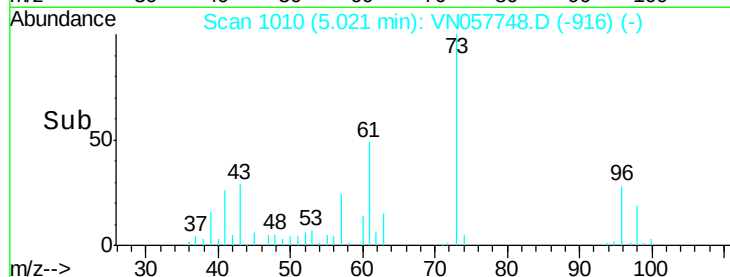
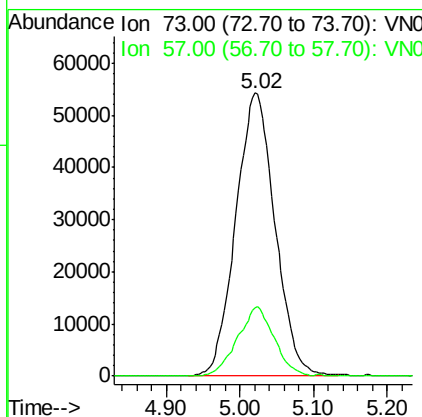
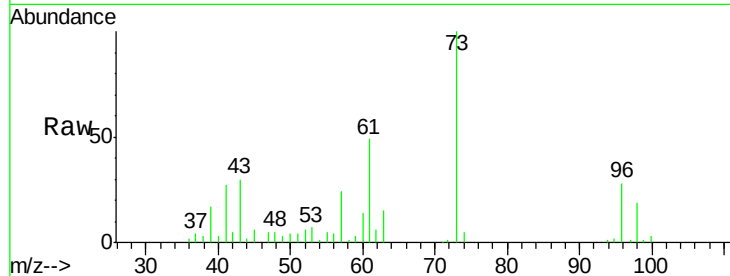
#19
Methyl tert-butyl Ether
Concen: 18.420 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion: 73 Resp: 200950
Ion Ratio Lower Upper
73 100
57 24.3 17.7 26.5

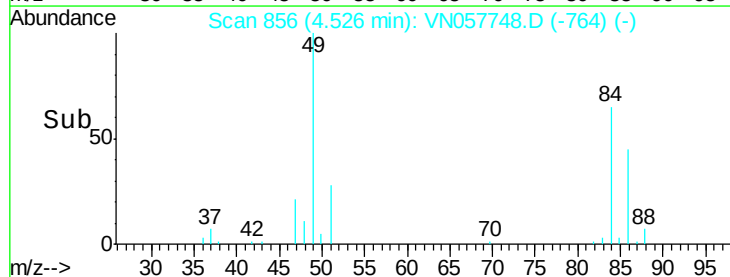
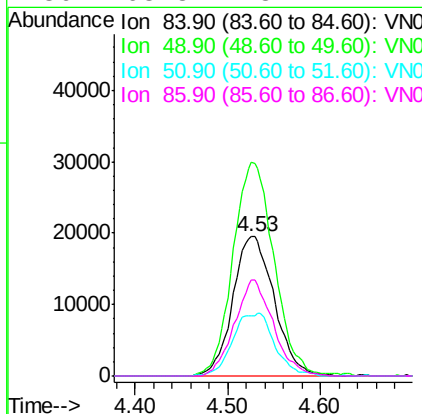
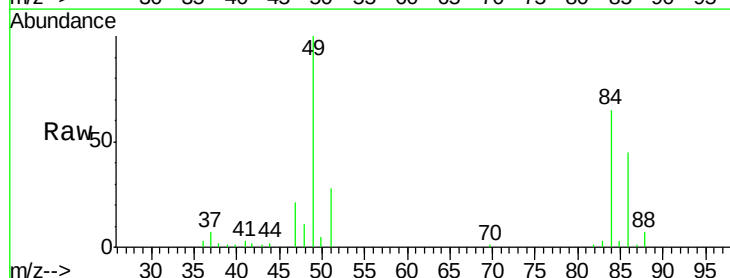
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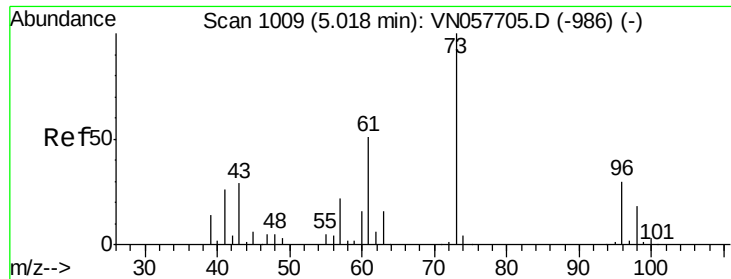
MMDadoda
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#20
Methylene Chloride
Concen: 17.848 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion: 84 Resp: 60578
Ion Ratio Lower Upper
84 100
49 153.4 115.0 172.6
51 43.2 33.8 50.8
86 68.8 48.2 72.2





#21

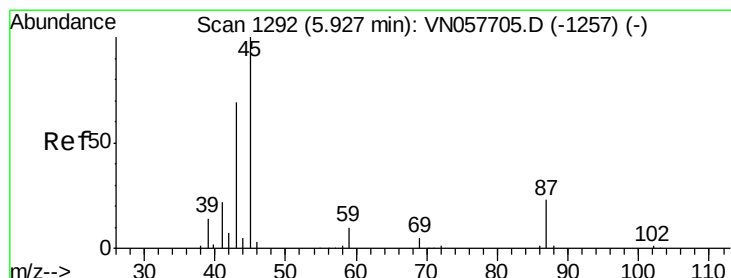
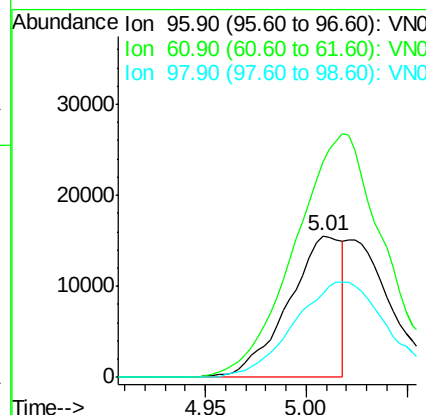
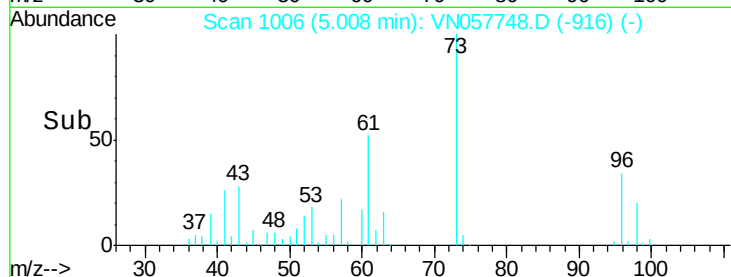
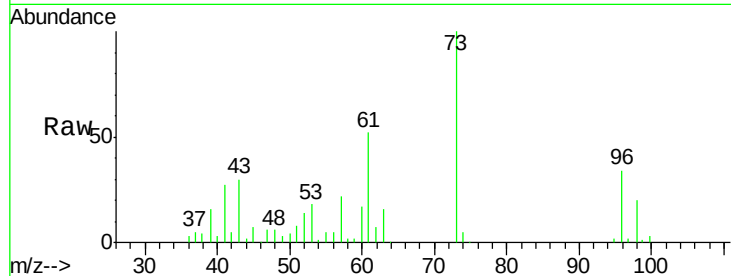
trans-1,2-Dichloroethene
Concen: 10.457 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	135.8	203.8
98	59.2	49.0	73.6

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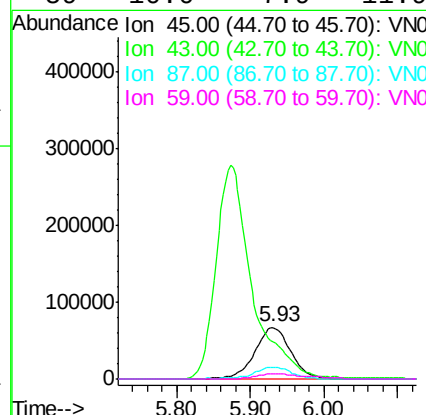
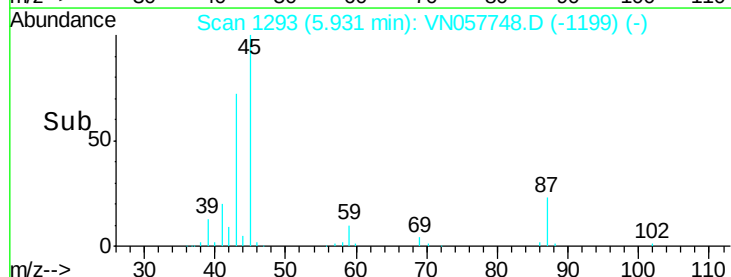
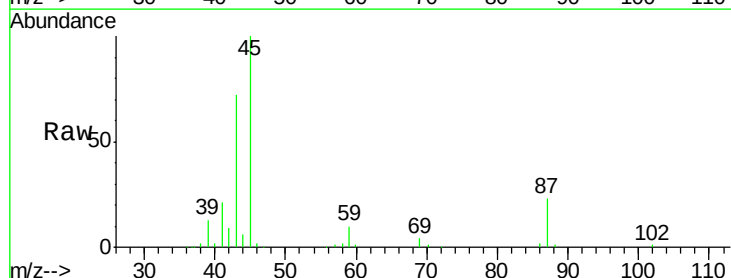
MMDadoda
9/10/2019 3:03:19 PM

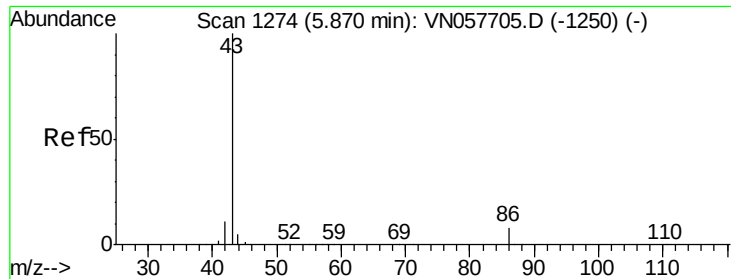


#22

Diisopropyl ether
Concen: 18.162 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	55.5	83.3
87	23.2	18.6	28.0
59	10.0	7.9	11.9





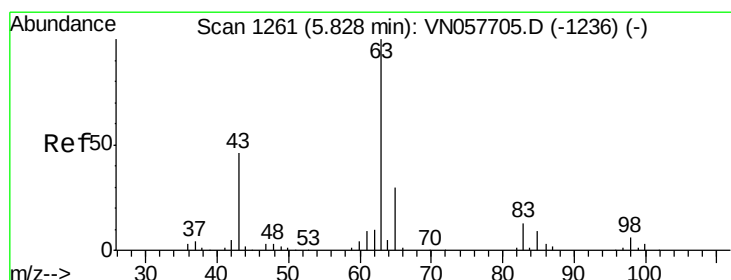
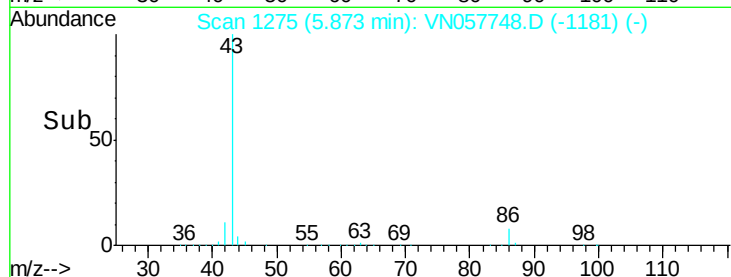
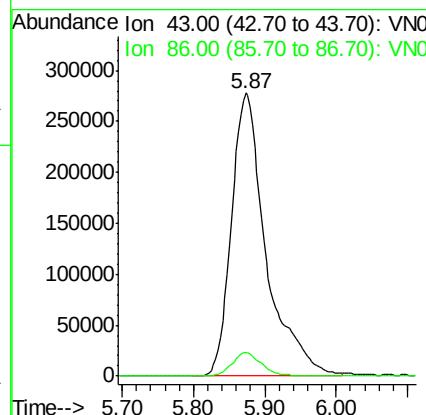
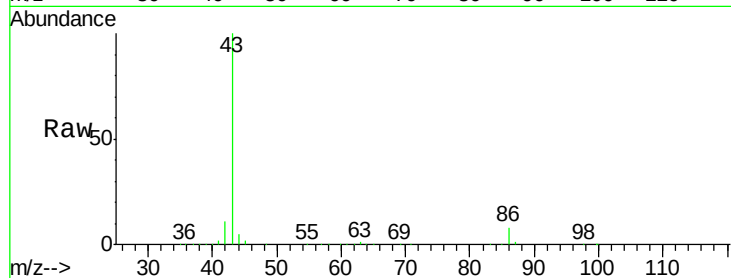
#23
 Vinyl Acetate
 Concen: 92.344 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	43	Resp	938918
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.2	9.4

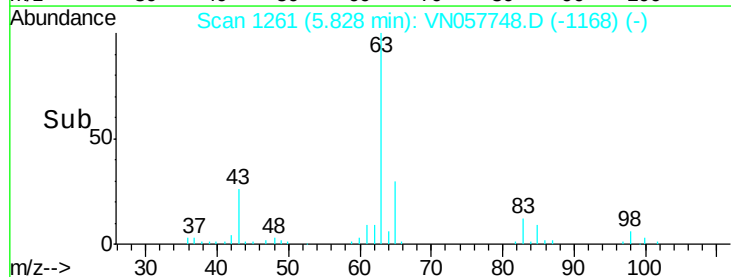
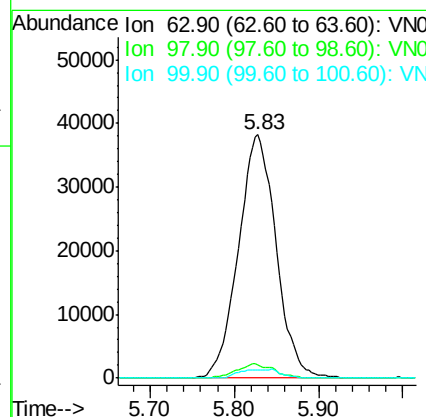
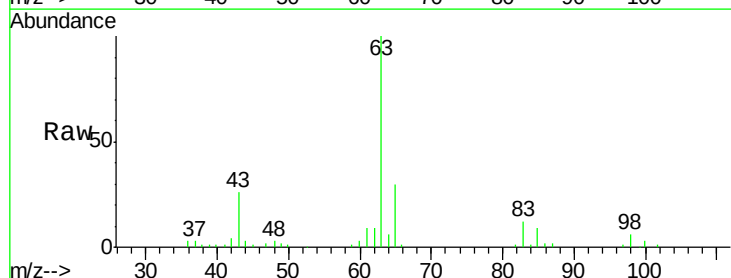
Manual Integrations
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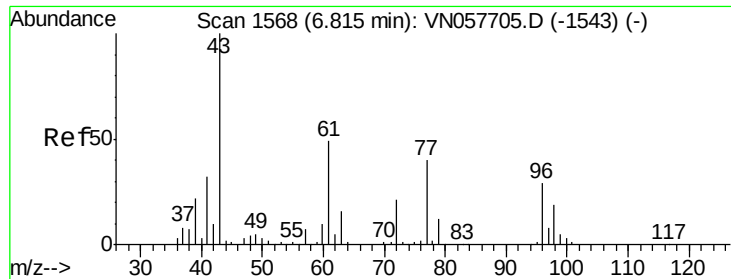
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.395 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	63	Resp	118480
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.9	8.8
100	3.3	1.7	5.0





#25

2-Butanone

Concen: 95.681 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tot Ion: 43 Resp: 215087

Ion Ratio Lower Upper

43 100

72 24.1 17.0 25.6

Instrument :

MSVOA_N

ClientSampled :

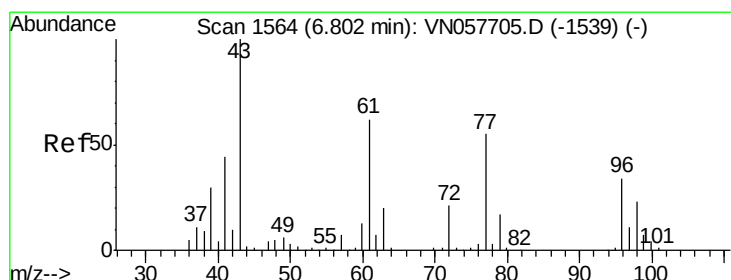
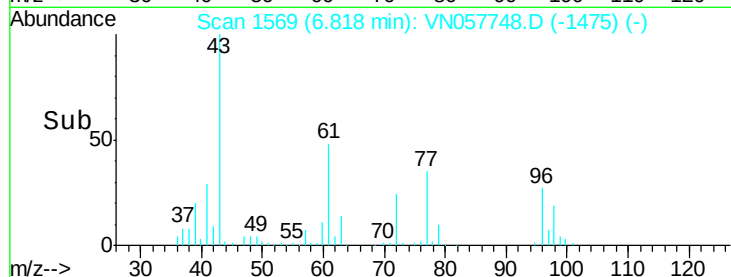
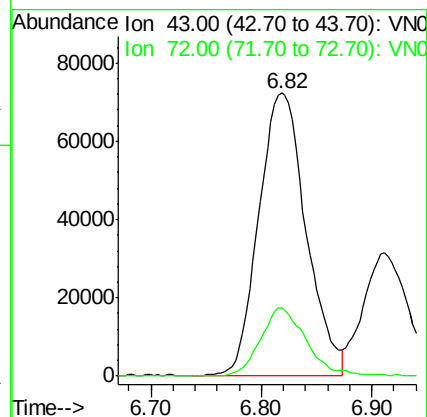
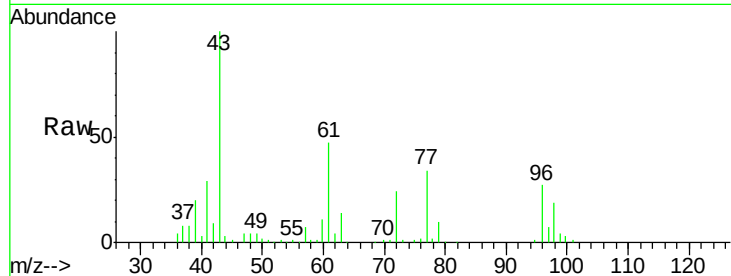
VN0907WBSD01

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:03:19 PM



#26

2,2-Dichloropropane

Concen: 17.414 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN057748.D

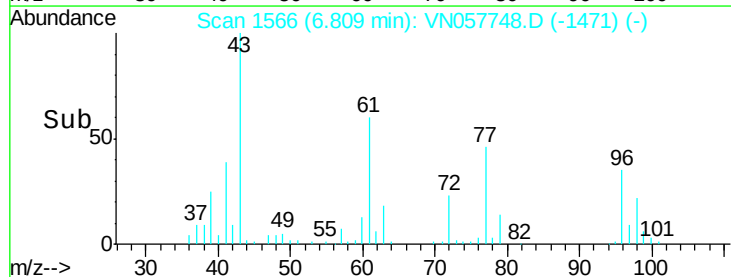
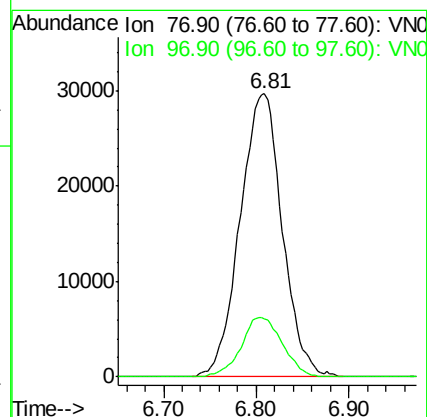
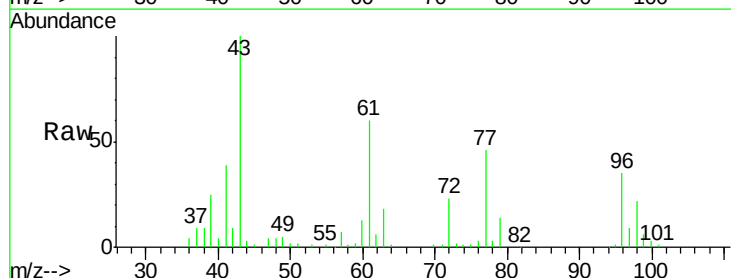
Acq: 7 Sep 2019 13:16

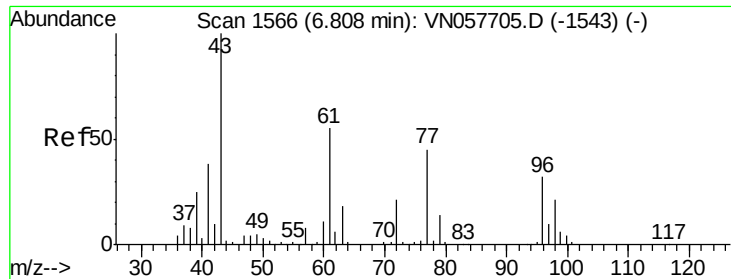
Tgt Ion: 77 Resp: 93573

Ion Ratio Lower Upper

77 100

97 20.6 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 19.054 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

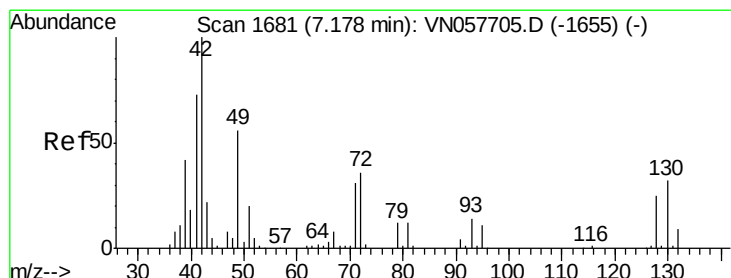
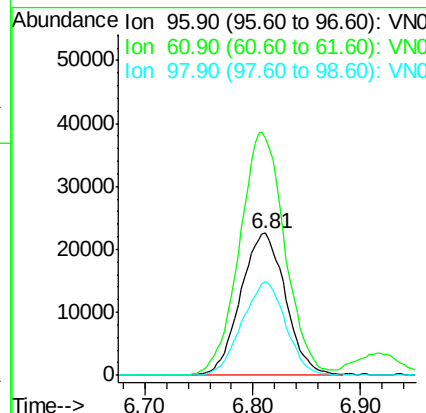
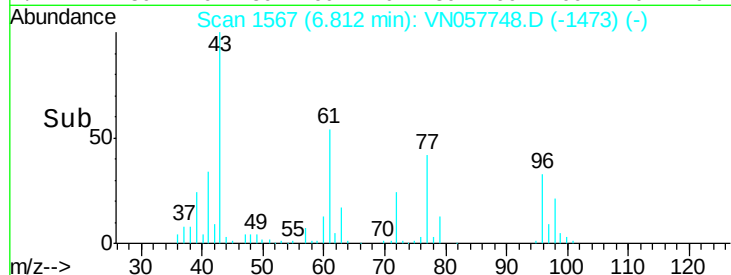
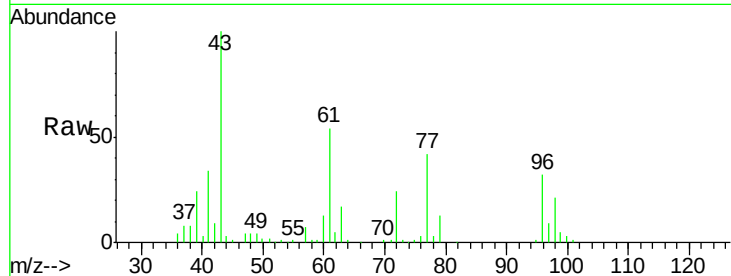
ClientSampleId :

VN0907WBSD01

Tot Ion:	96	Resp:	65399
Ion	Ratio	Lower	Upper
96	100		
61	172.9	0.0	360.6
98	63.7	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.876 ug/l

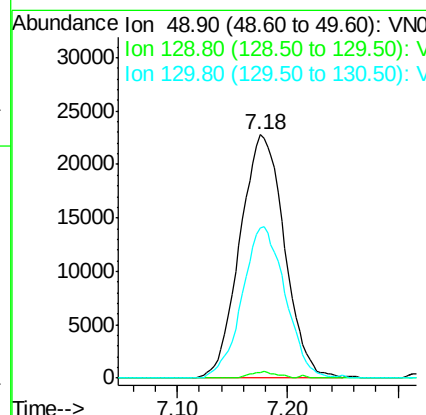
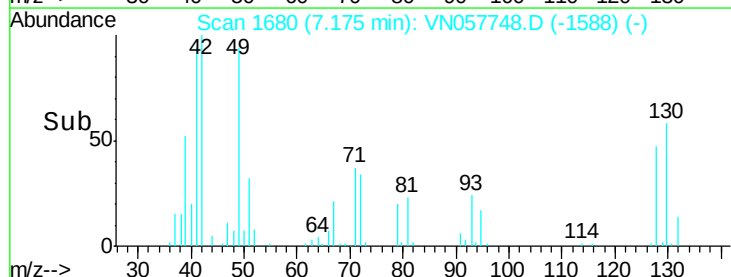
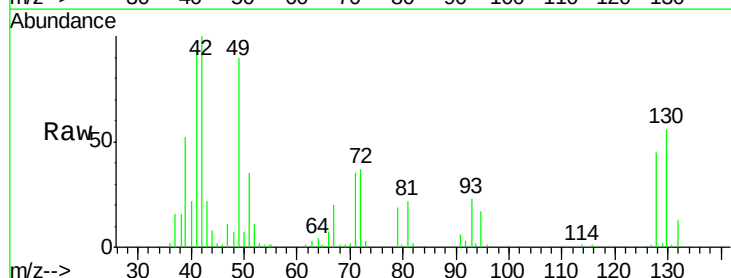
RT: 7.18 min Scan# 1680

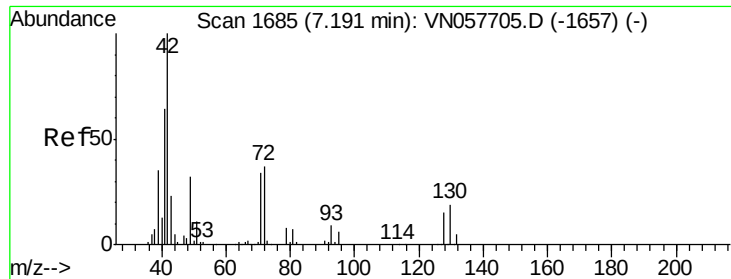
Delta R.T. -0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion:	49	Resp:	63613
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.4
130	60.1	45.8	68.8





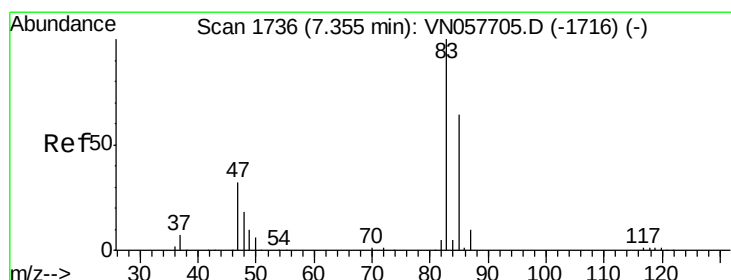
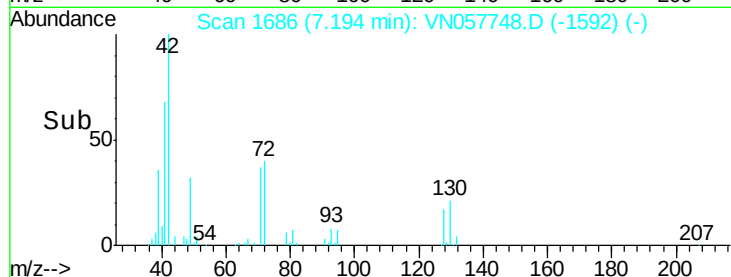
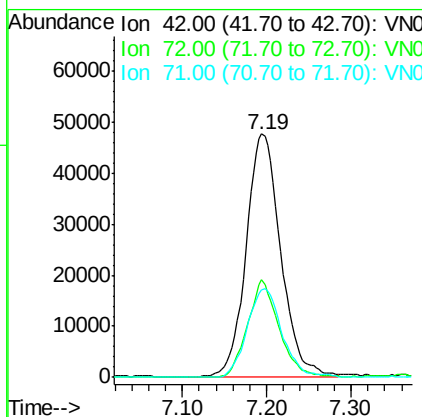
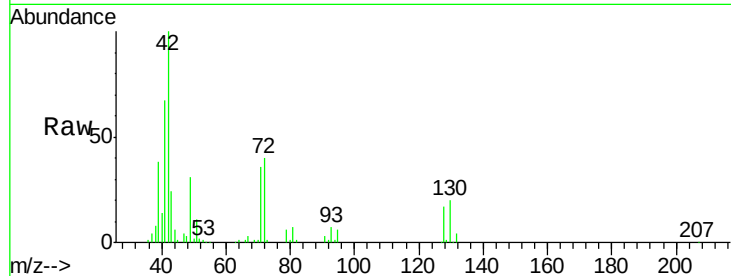
#29
Tetrahydrofuran
Concen: 94.247 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.2	43.8
71	36.3	27.0	40.4

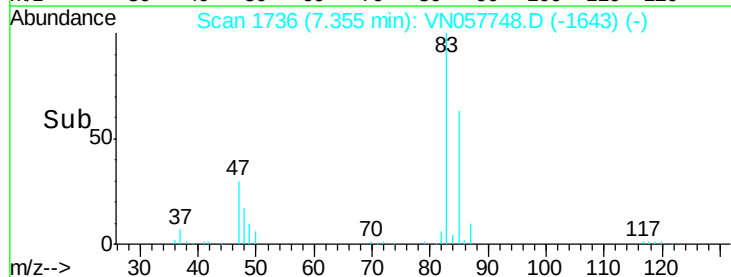
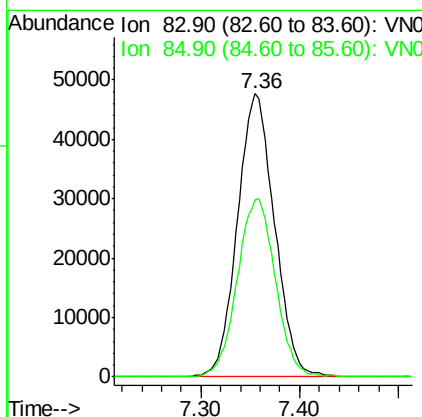
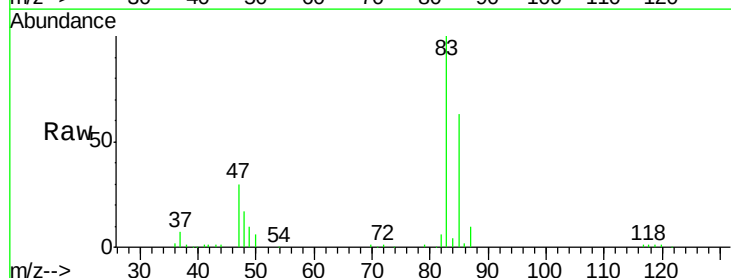
Manual Integrations
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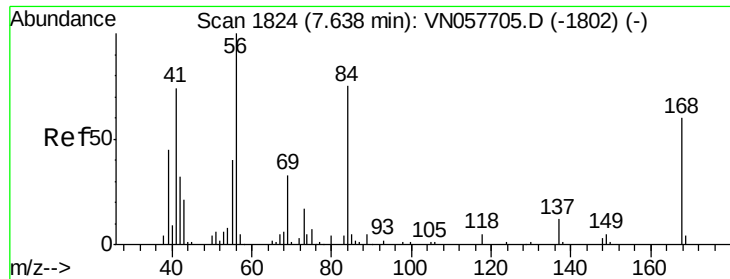
MMDadoda
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#30
Chloroform
Concen: 18.453 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.3	76.9





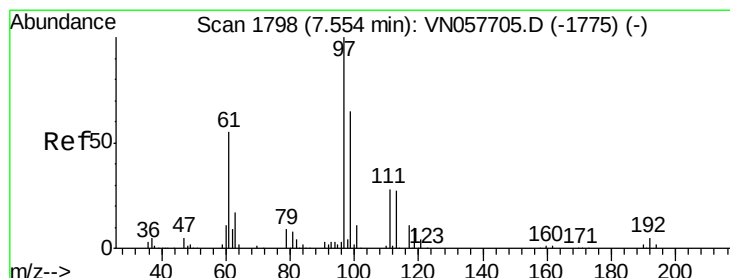
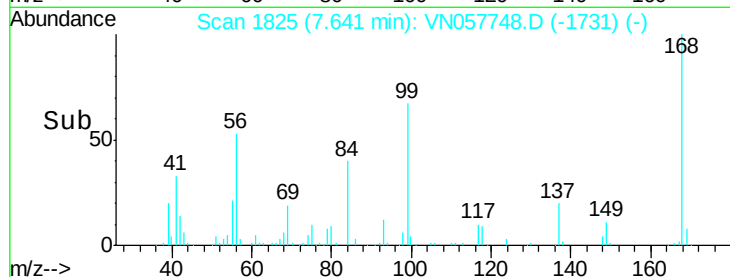
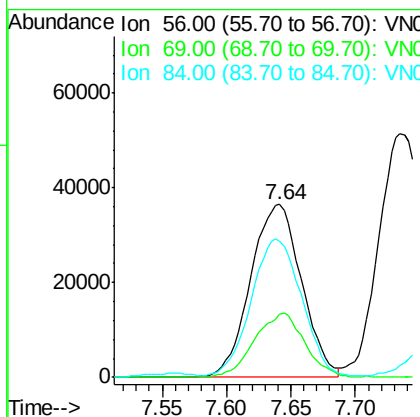
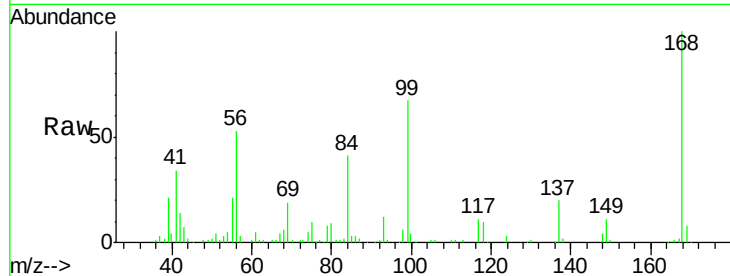
#31
Cyclohexane
Concen: 17.505 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.2	39.2
84	76.7	59.8	89.8

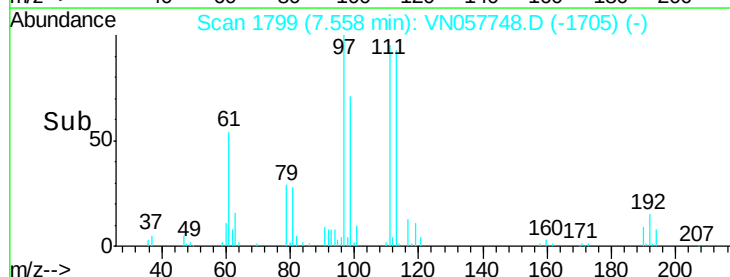
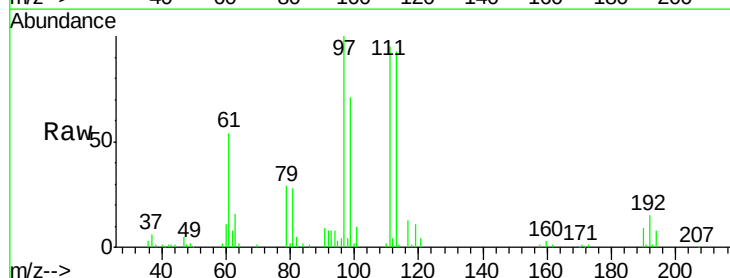
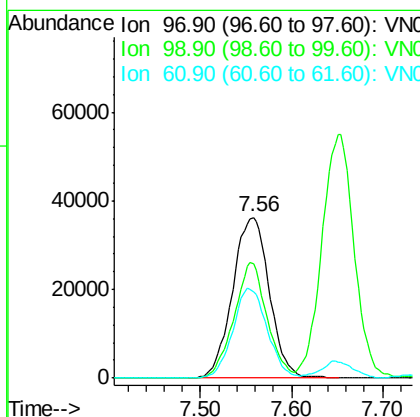
Manual Integrations
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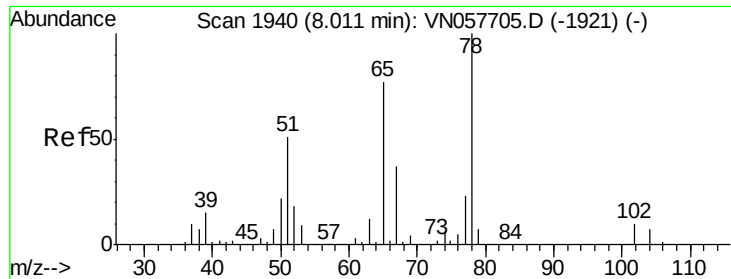
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.175 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	52.5	42.8	64.2





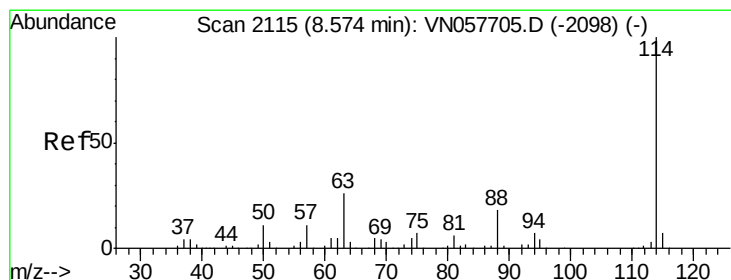
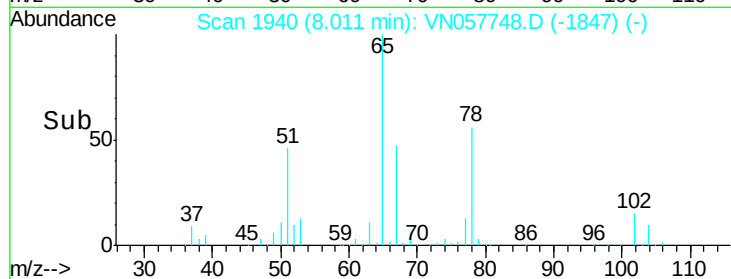
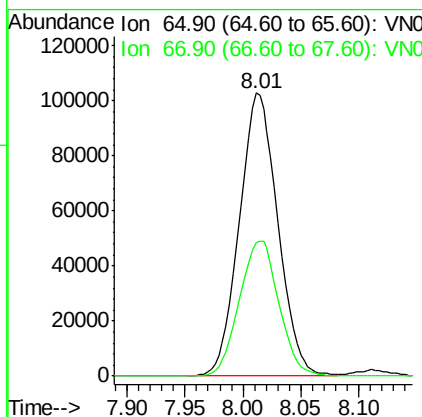
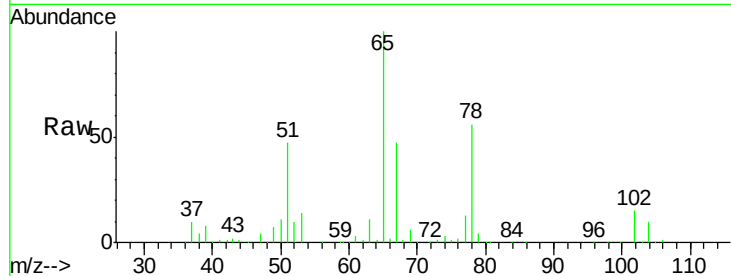
#33
 1,2-Dichloroethane-d4
 Concen: 46.512 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	237248		
67	49.1	0.0	98.2	

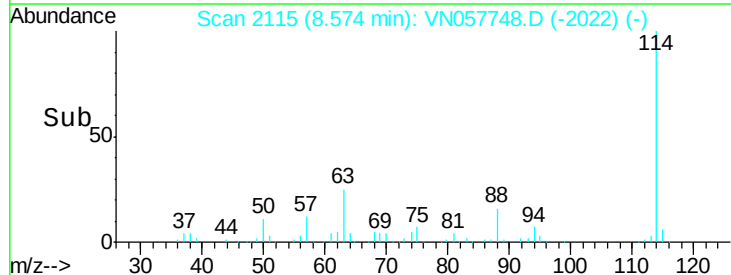
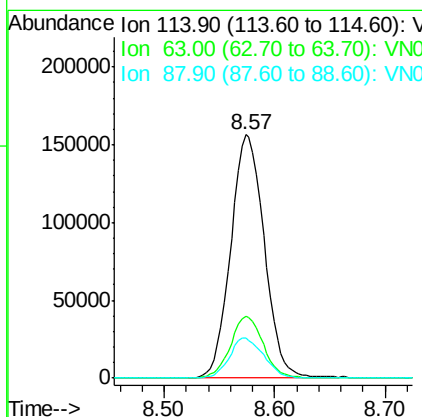
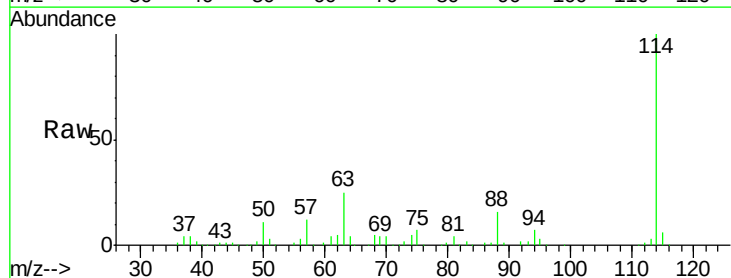
Manual Integrations
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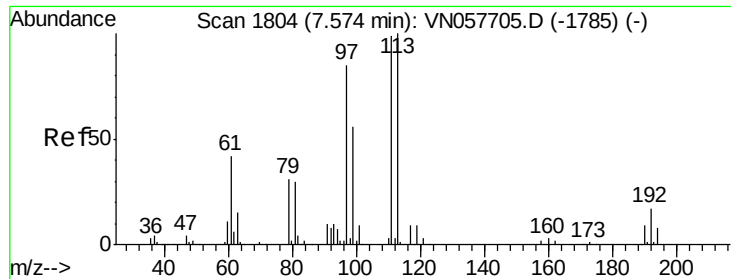
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330851		
63	25.4	0.0	52.4	
88	16.2	0.0	35.4	





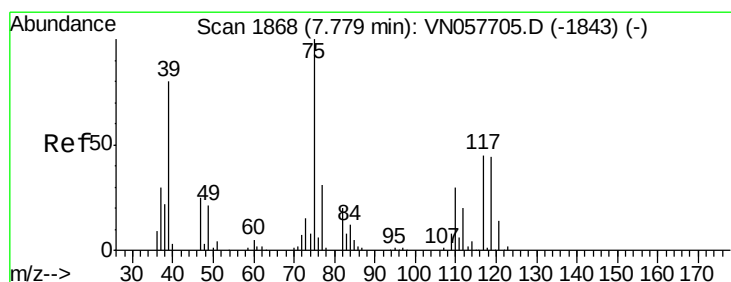
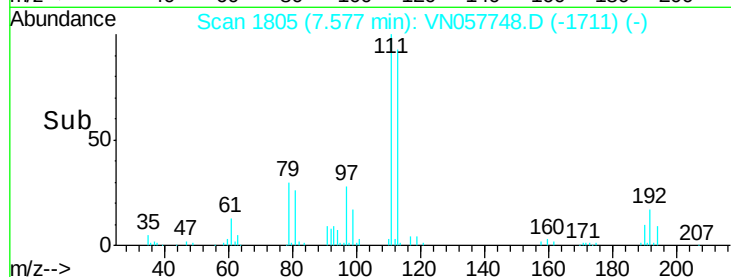
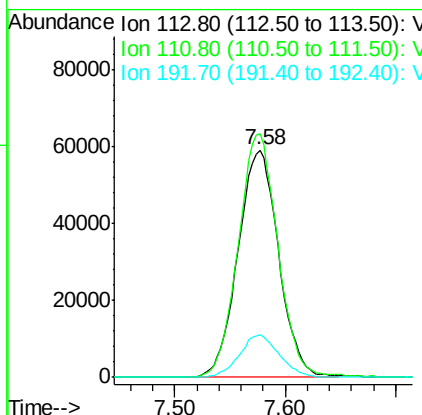
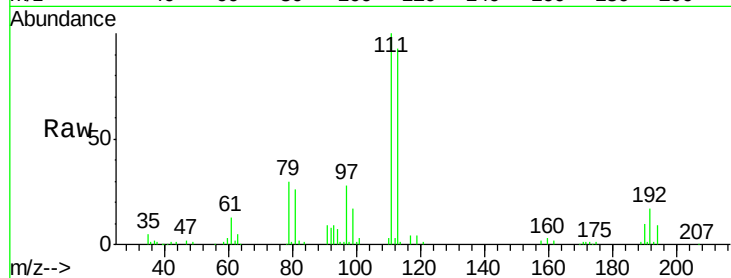
#35
Dibromofluoromethane
Concen: 50.023 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.7	124.1
192	18.3	13.8	20.6

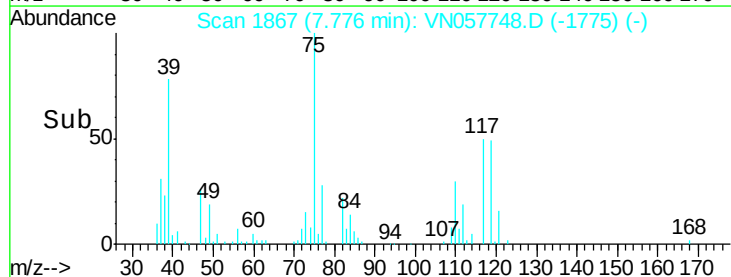
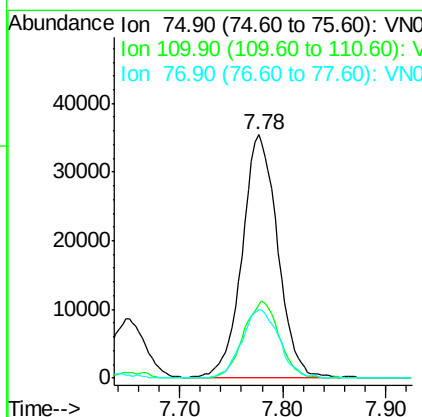
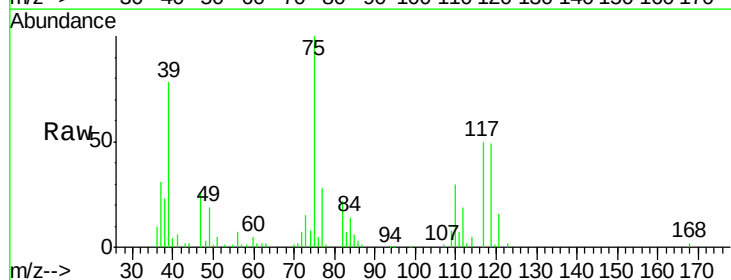
Manual Integrations
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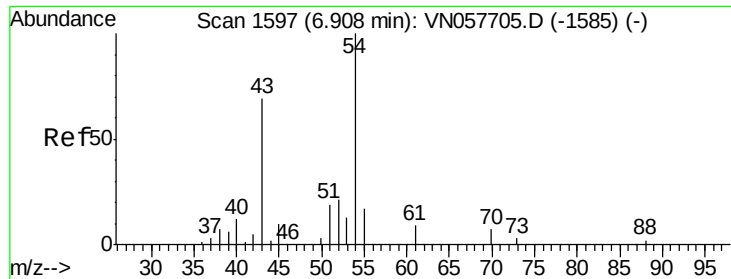
MMDadoda
9/10/2019 3:03:19 PM



#36
1,1-Dichloropropene
Concen: 19.278 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	15.0	45.0
77	29.5	24.6	37.0





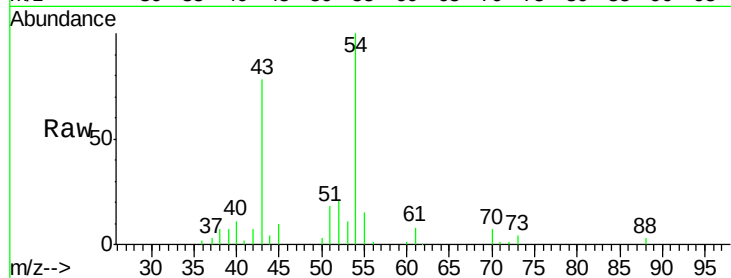
#37
Ethyl Acetate
Concen: 19.156 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.8	14.8
70	8.7	6.7	10.1

Manual Integrations
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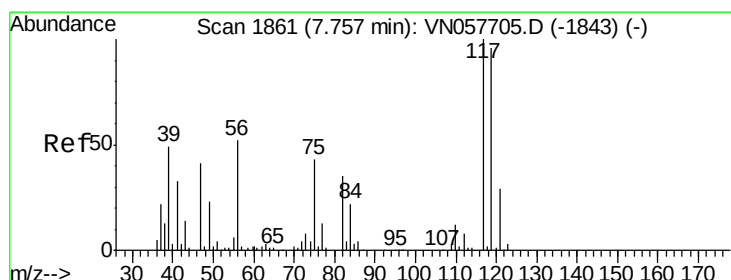
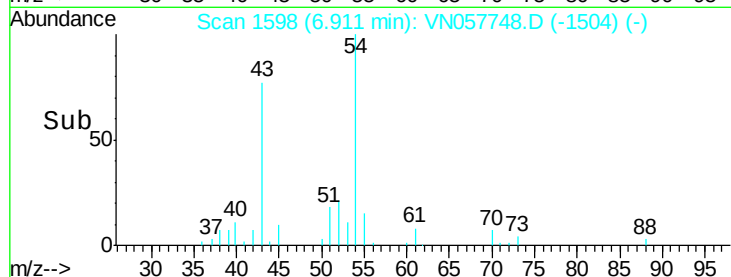
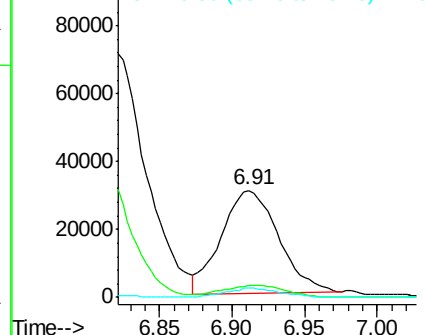
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1585) (-)

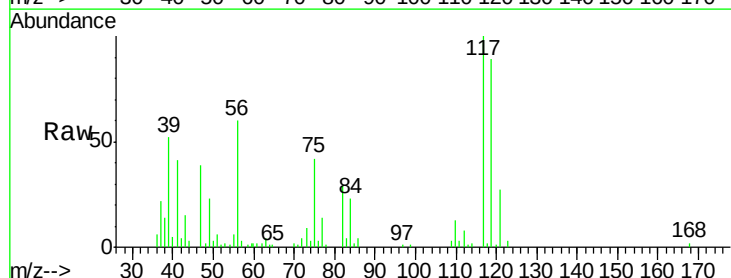
Ion 60.90 (60.60 to 61.60): VN057705.D (-1585) (-)

Ion 70.00 (69.70 to 70.70): VN057705.D (-1585) (-)



#38
Carbon Tetrachloride
Concen: 19.901 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

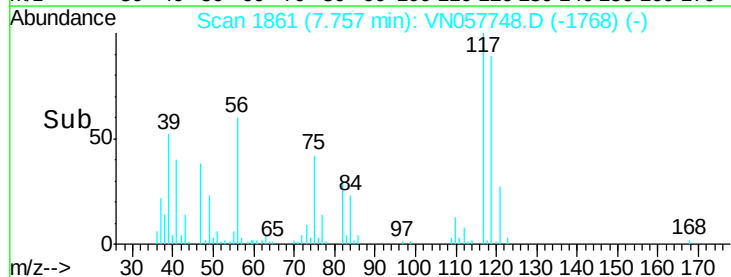
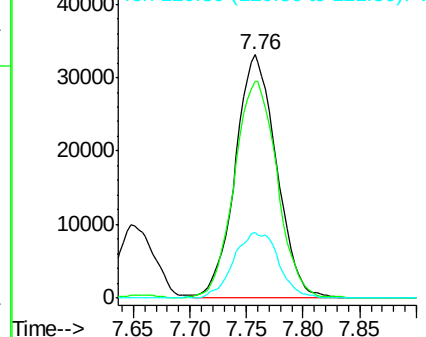
Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.6	76.1	114.1
121	27.1	23.4	35.2

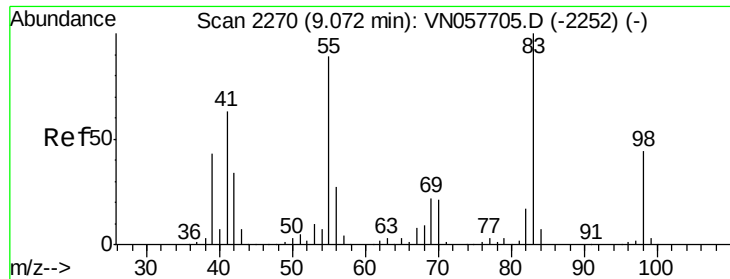


Abundance Ion 116.80 (116.50 to 117.50): VN057705.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN057705.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN057705.D (-1843) (-)





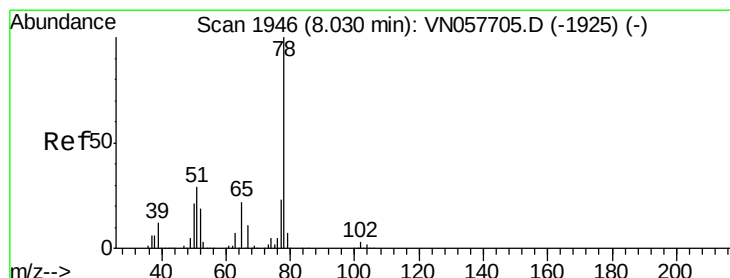
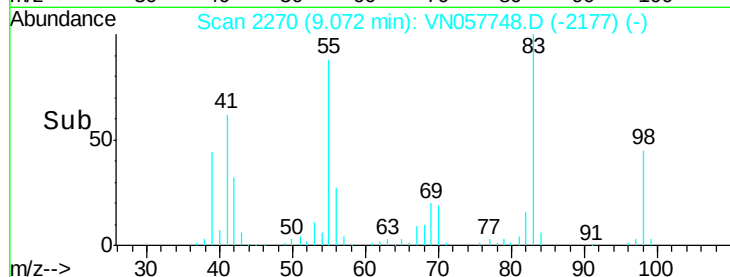
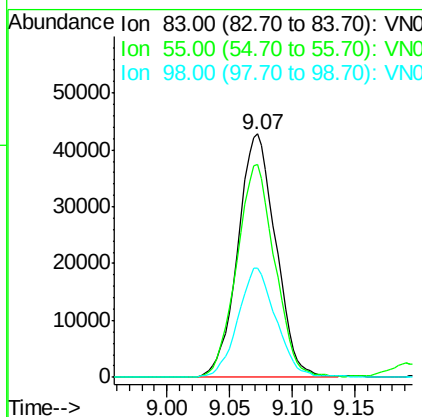
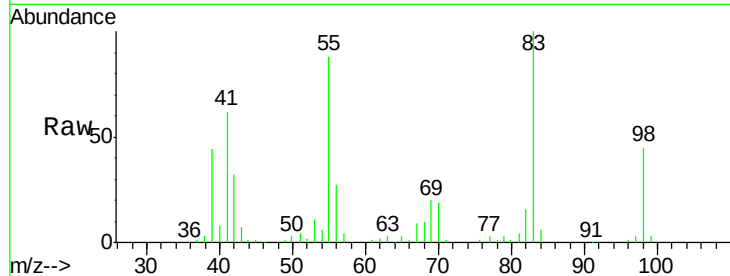
#39
Methylvlcyclohexane
Concen: 19.361 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	83	Resp	90137
Ion Ratio	100	Lower	Upper
83	100		
55	87.6	71.4	107.0
98	45.0	35.3	52.9

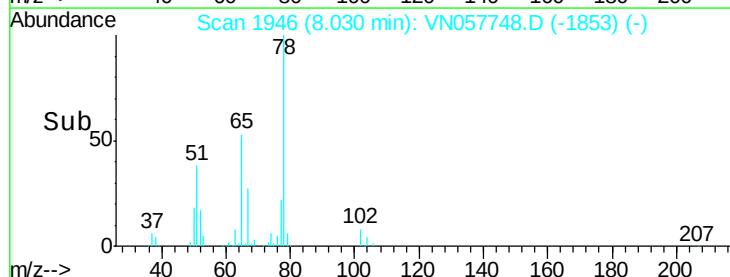
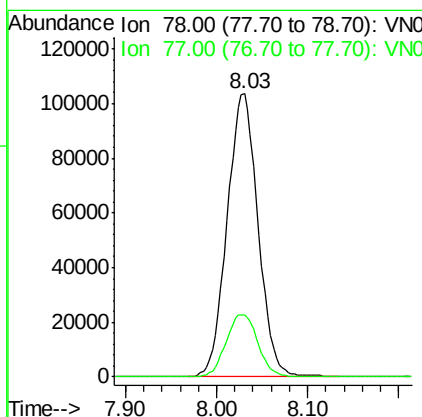
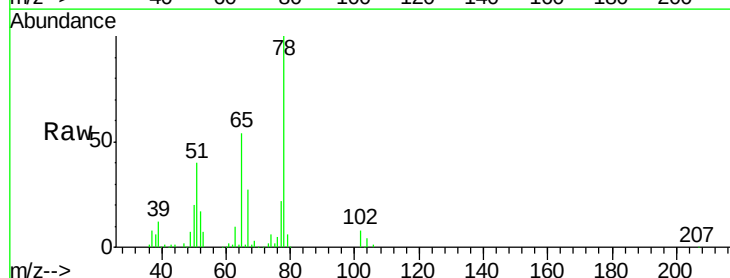
Manual Integrations
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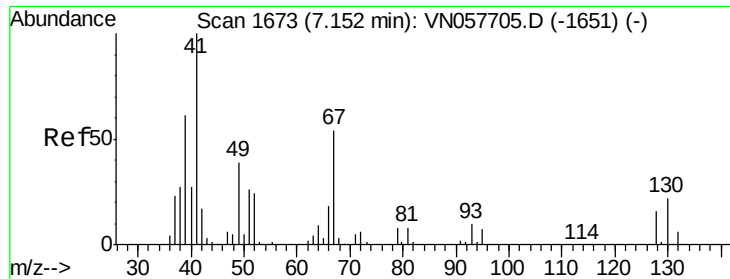
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9/10/2019 3:03:19 PM



#40
Benzene
Concen: 19.650 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	78	Resp	244632
Ion Ratio	100	Lower	Upper
78	100		
77	21.9	18.6	28.0





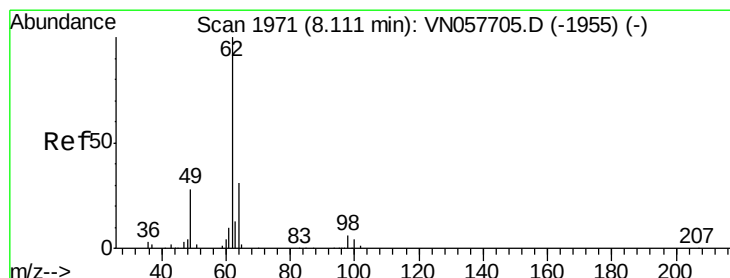
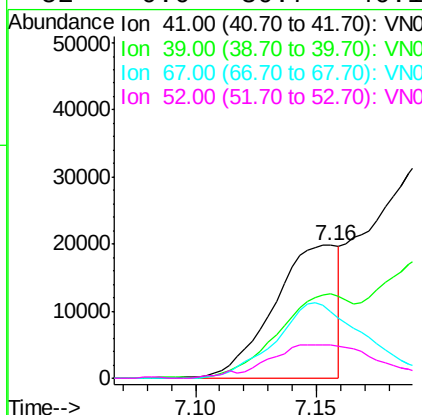
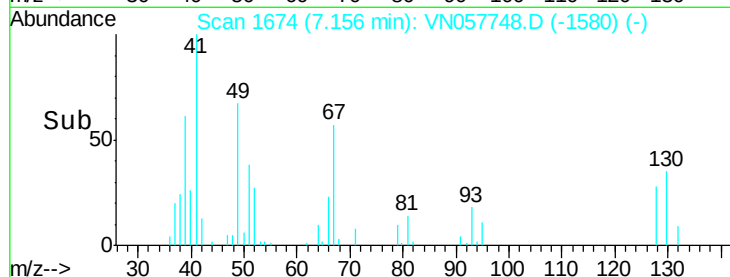
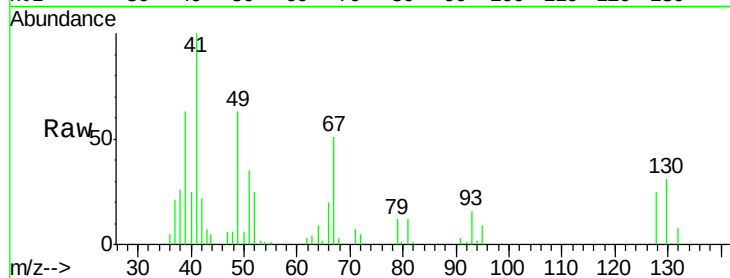
#41
Methacrylonitrile
Concen: 17.375 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	41	Resp	37112
Ion Ratio	Lower	Upper	
41	100		
39	123.0	43.6	65.4#
67	0.0	59.8	89.6#
52	0.0	30.7	46.1#

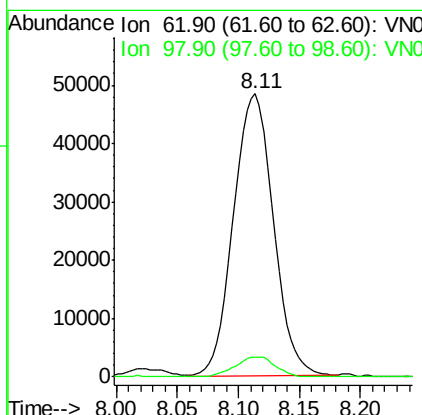
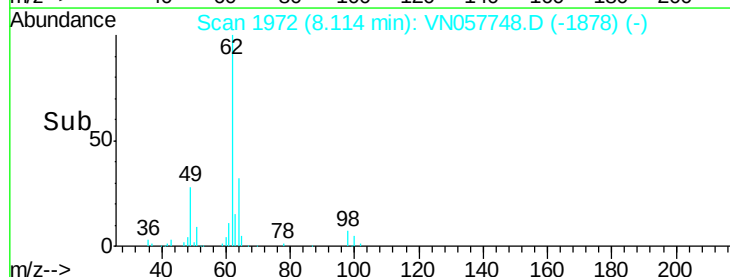
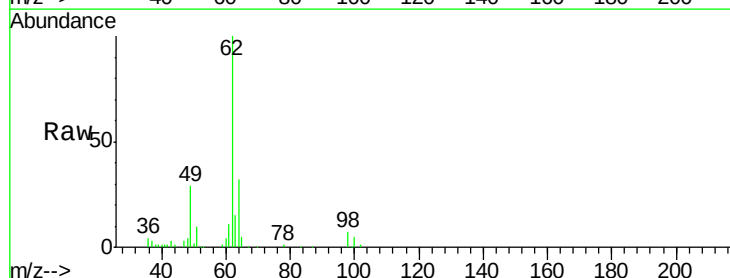
Manual Integrations
APPROVED

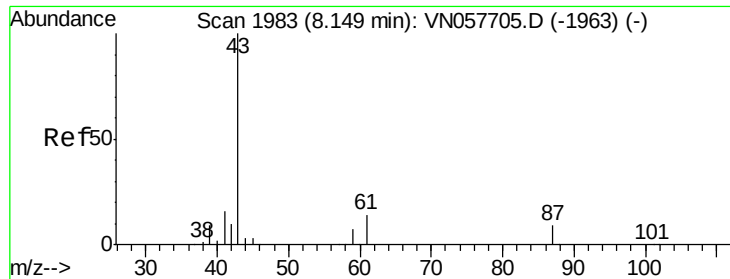
MMDadoda
9/10/2019 3:03:19 PM



#42
1,2-Dichloroethane
Concen: 18.766 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	62	Resp	109511
Ion Ratio	Lower	Upper	
62	100		
98	7.1	0.0	12.6





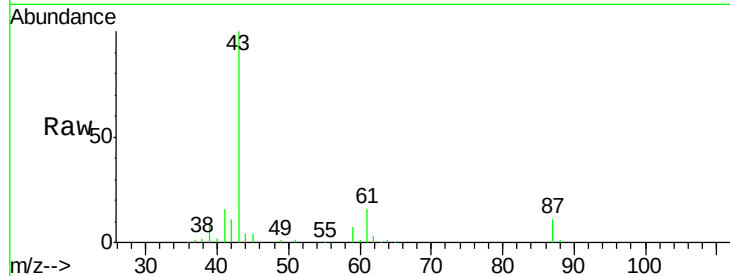
#43
Isopropyl Acetate
Concen: 18.666 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

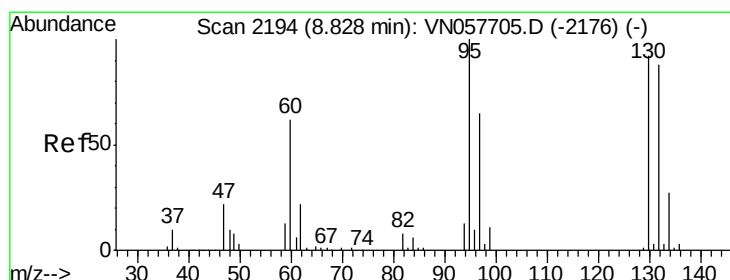
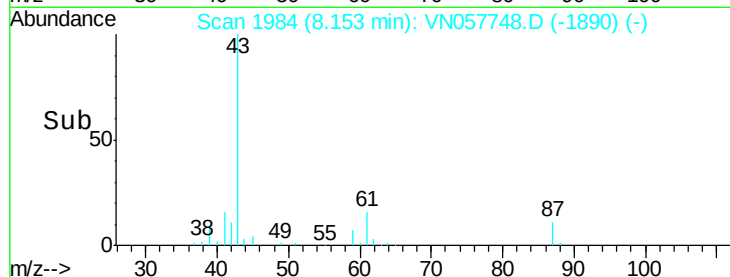
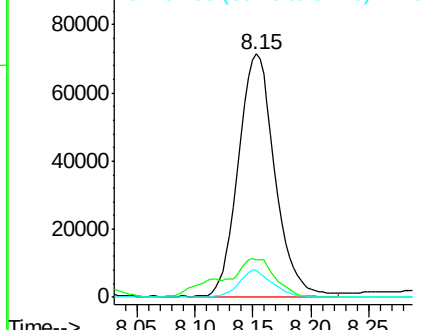
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.8	19.2
87	10.3	7.8	11.8

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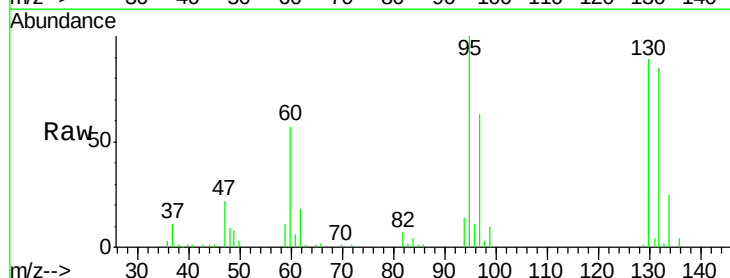


Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

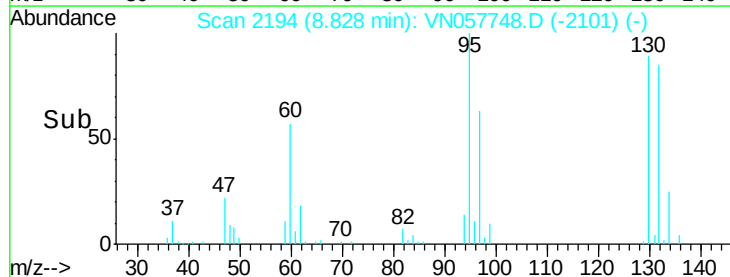
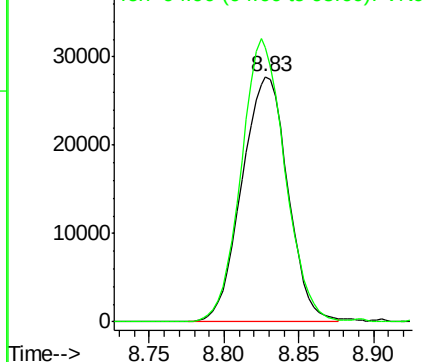


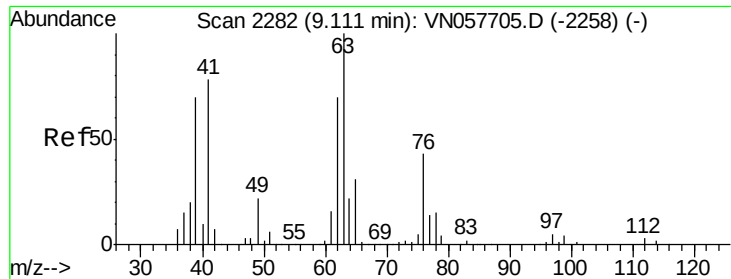
#44
Trichloroethene
Concen: 21.236 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	217.8



Abundance Ion 129.80 (129.50 to 130.50): VN057705.D (-2176) (-)





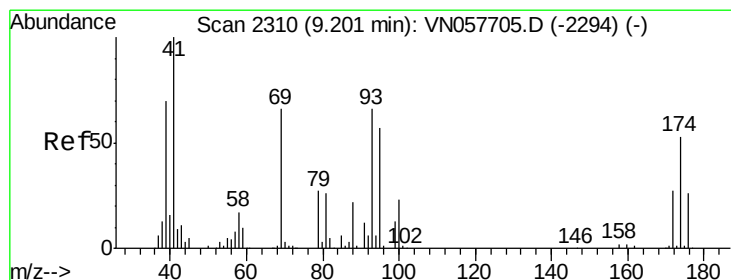
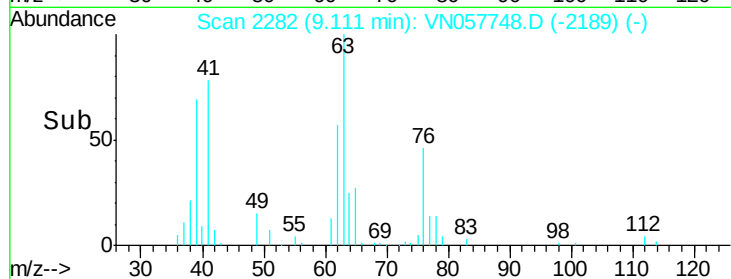
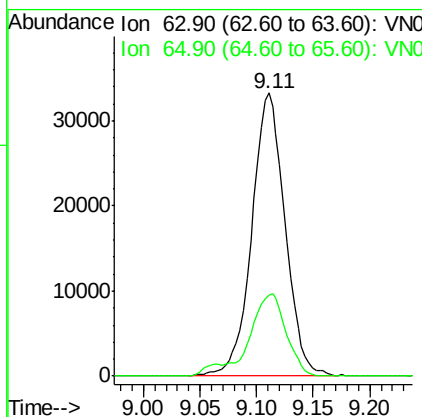
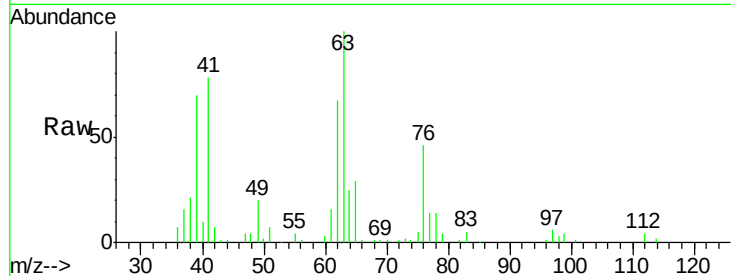
#45
 1,2-Dichloropropane
 Concen: 19.510 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion: 63 Resp: 67930
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.5 36.7

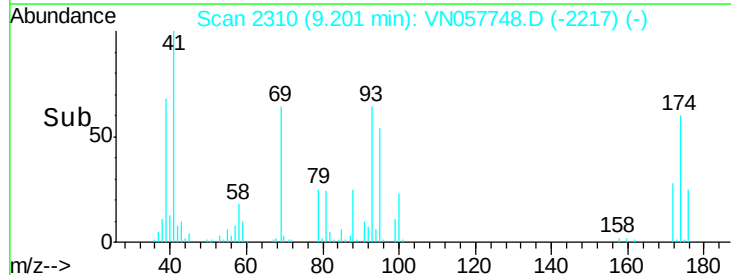
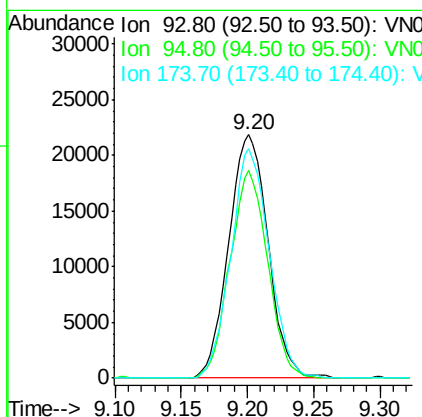
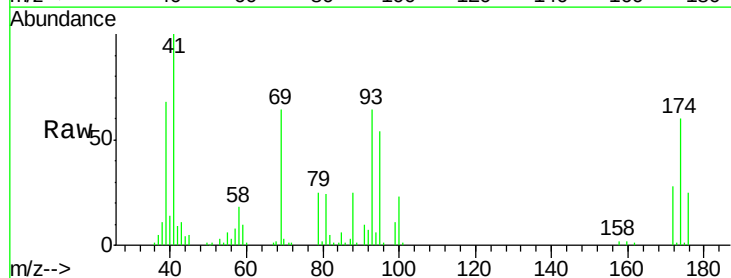
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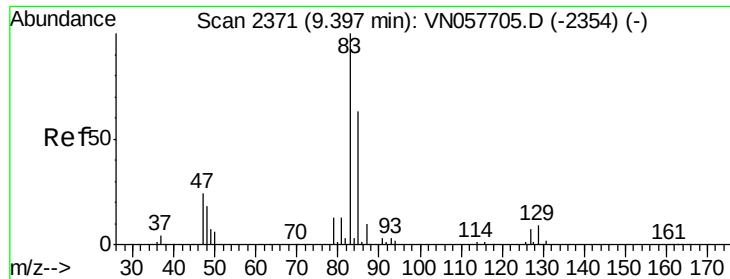
MMDadoda
 9/10/2019 3:03:19 PM



#46
 Dibromomethane
 Concen: 20.193 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion: 93 Resp: 45100
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.1 99.1
 174 92.1 63.4 95.2





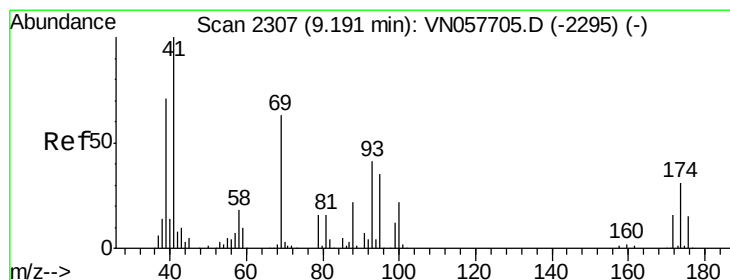
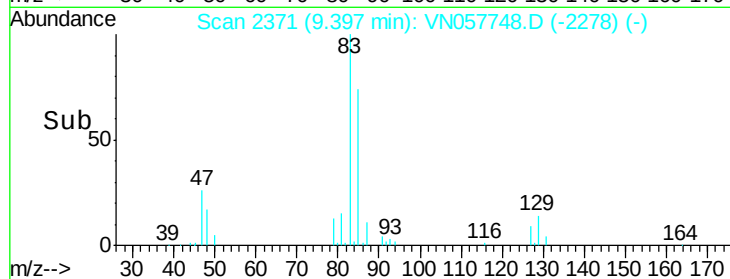
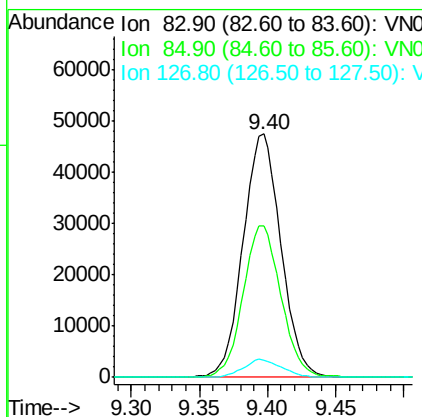
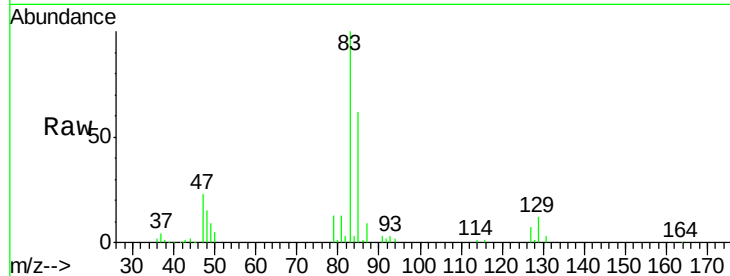
#47
Bromodichloromethane
Concen: 19.273 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	83	Resp	91480
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	50.7	76.1
127	7.1	5.6	8.4

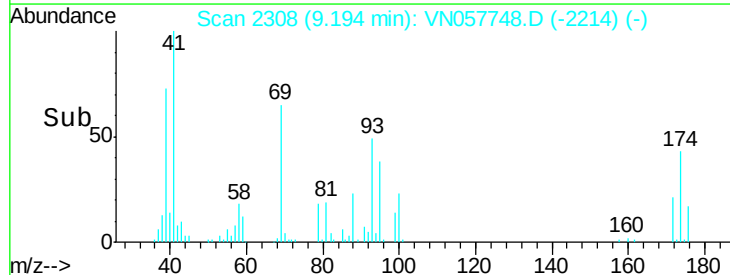
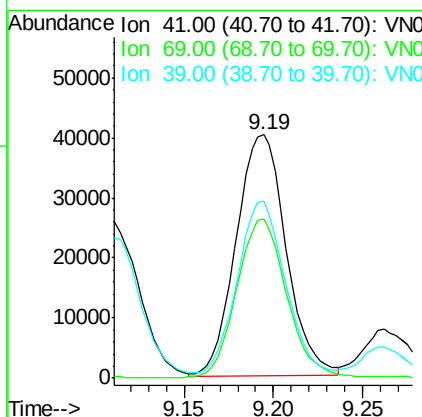
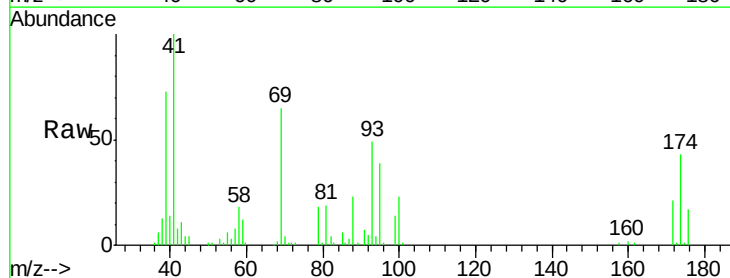
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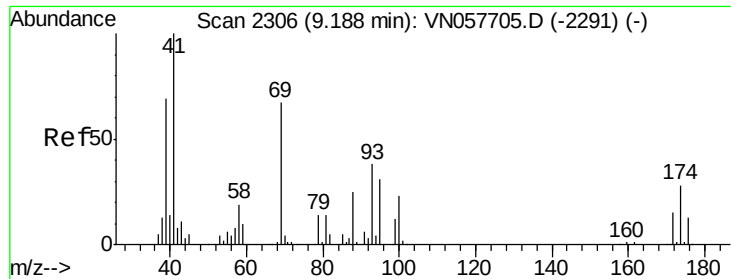
MMDadoda
9/10/2019 3:03:19 PM



#48
Methyl methacrylate
Concen: 18.275 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	41	Resp	78829
Ion Ratio	100	Lower	Upper
41	100		
69	65.6	51.2	76.8
39	71.9	57.3	85.9





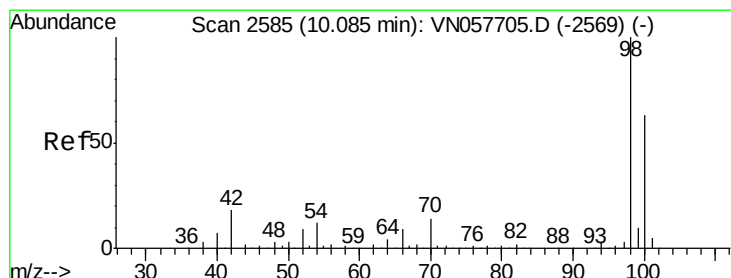
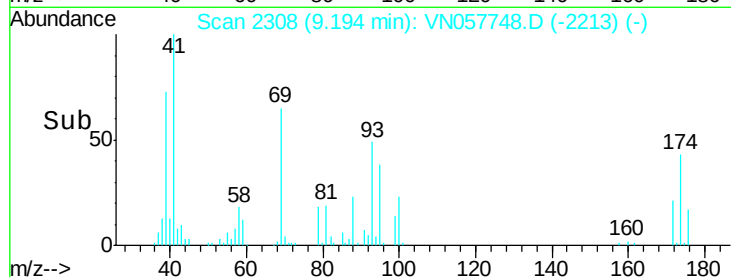
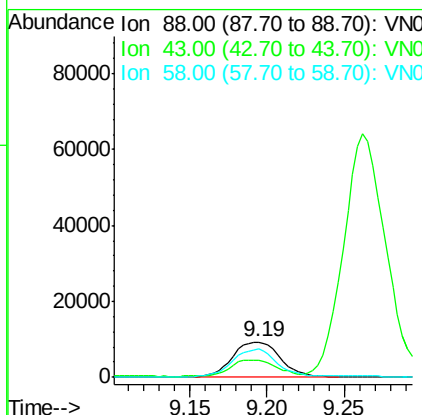
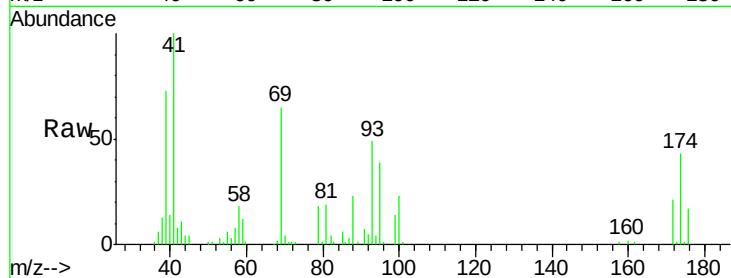
#49
1,4-Dioxane
Concen: 399.948 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	35.4	53.2
58	75.4	61.5	92.3

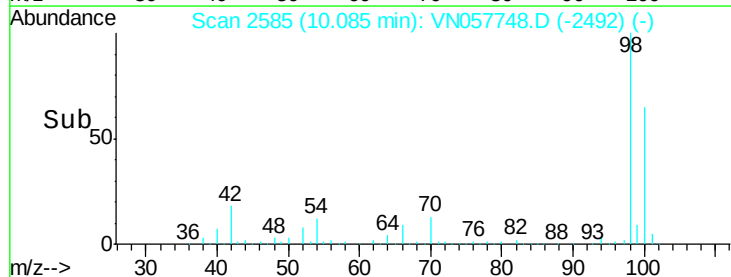
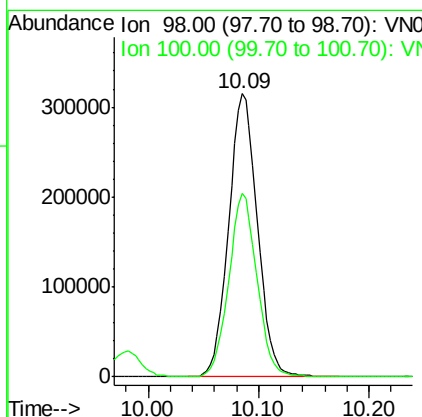
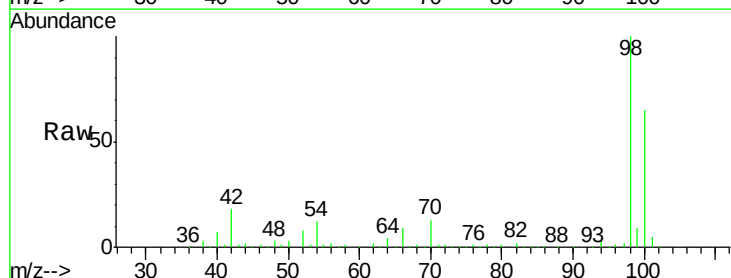
Manual Integrations
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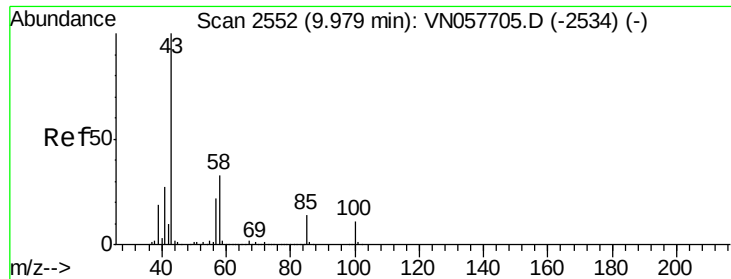
MMDadoda
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#50
Toluene-d8
Concen: 51.066 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 99.725 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 43 Resp: 464515

Ion Ratio Lower Upper

43 100

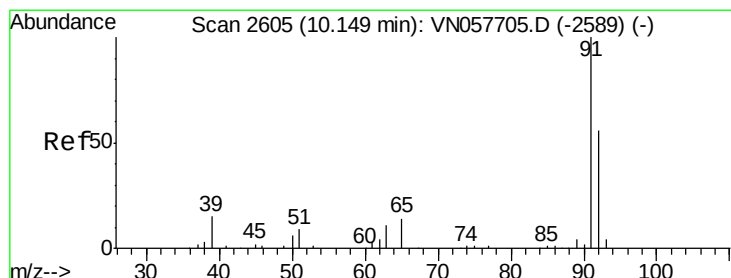
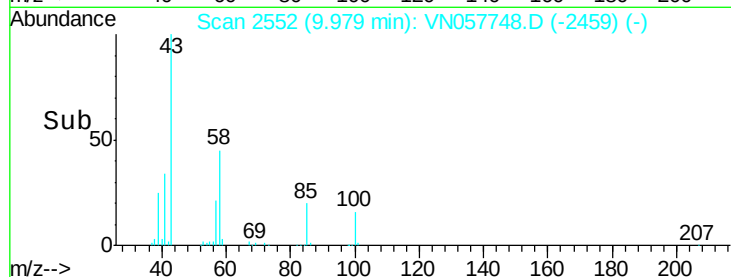
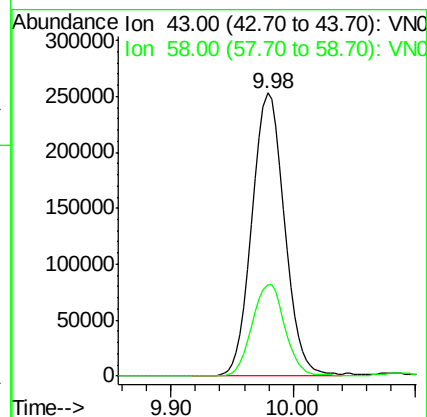
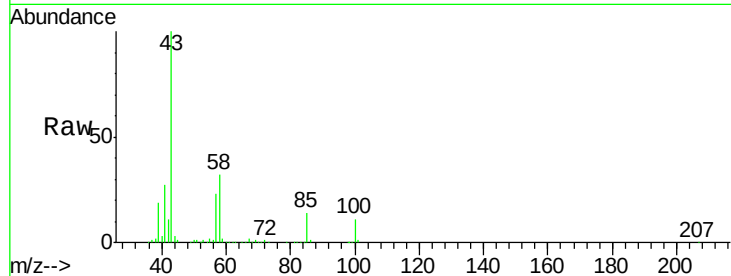
58 32.9 25.8 38.8

Manual Integrations

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#52

Toluene

Concen: 19.689 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057748.D

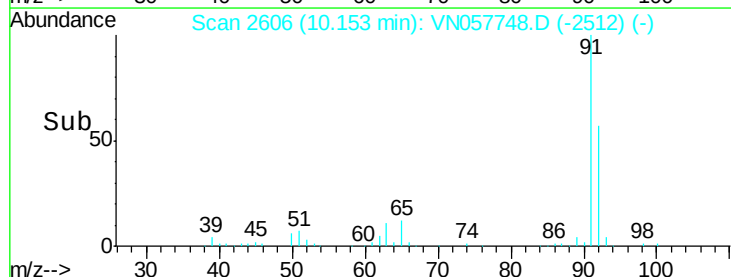
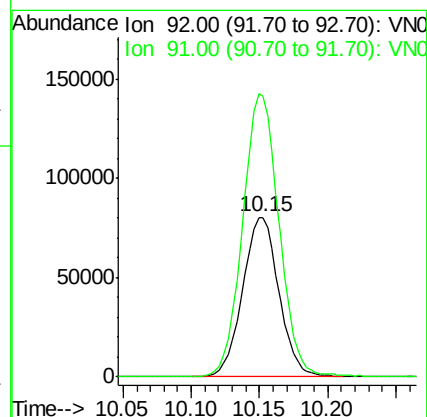
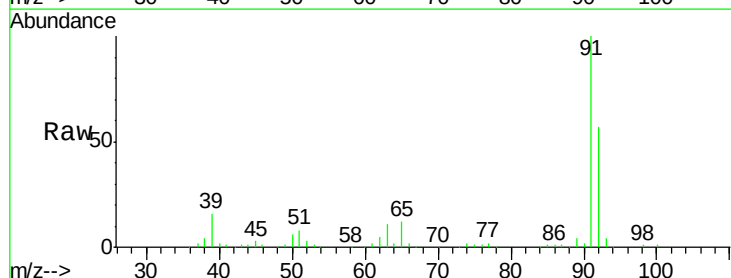
Acq: 7 Sep 2019 13:16

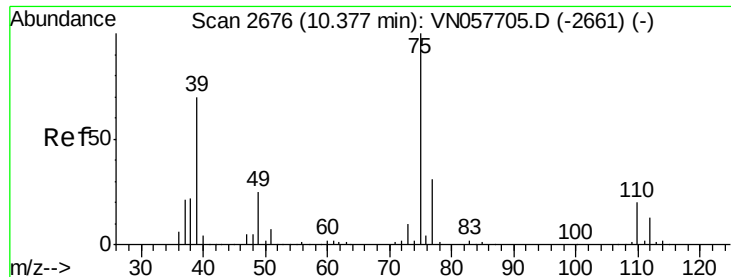
Tgt Ion: 92 Resp: 148565

Ion Ratio Lower Upper

92 100

91 178.0 141.5 212.3





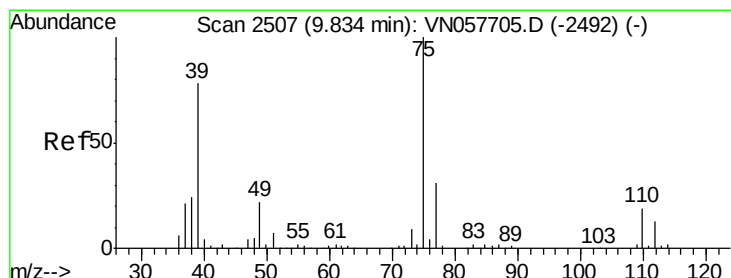
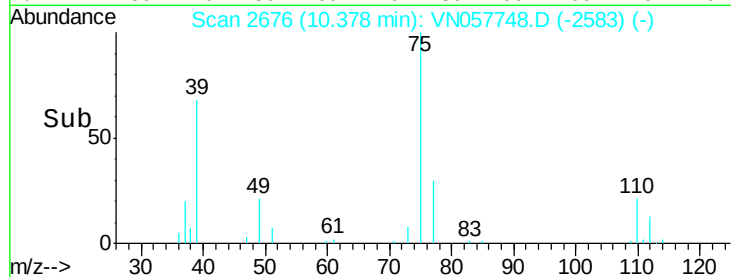
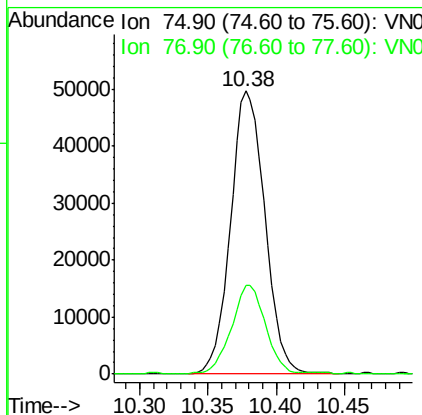
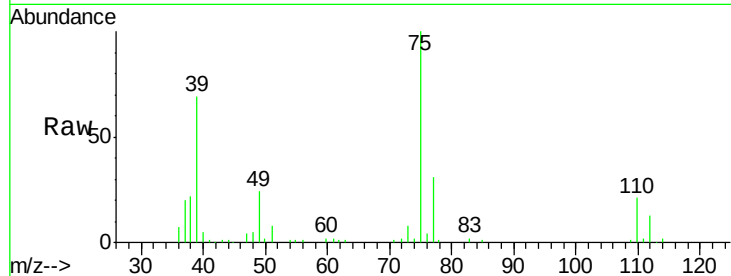
#53
t-1,3-Dichloropropene
Concen: 18.269 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion: 75 Resp: 86999
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

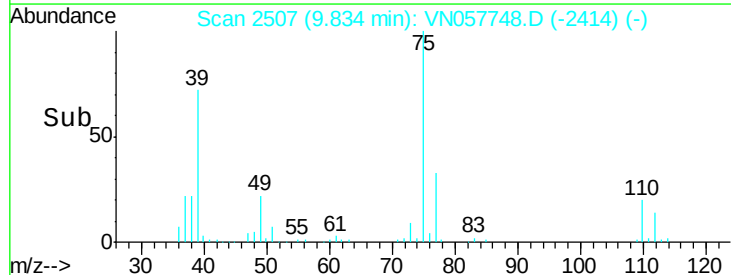
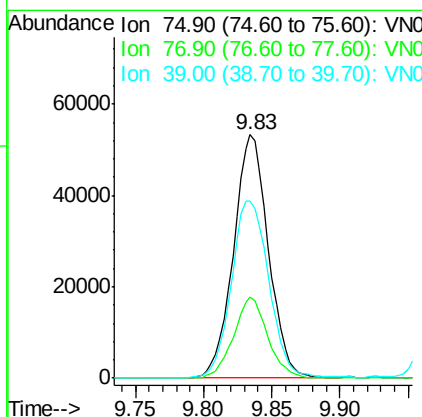
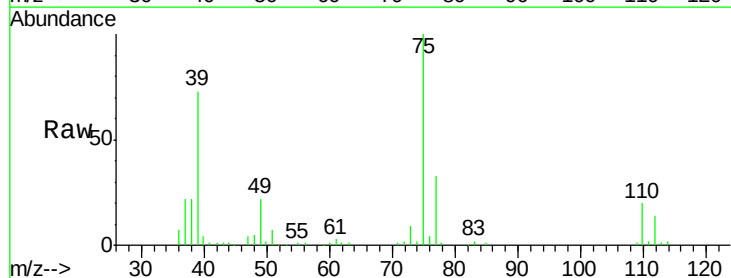
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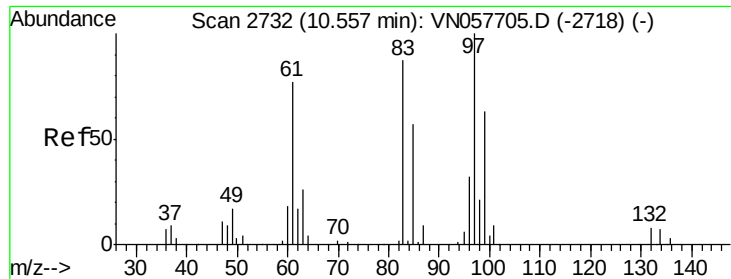
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#54
cis-1,3-Dichloropropene
Concen: 18.368 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion: 75 Resp: 94501
Ion Ratio Lower Upper
75 100
77 33.2 25.1 37.7
39 72.5 62.4 93.6





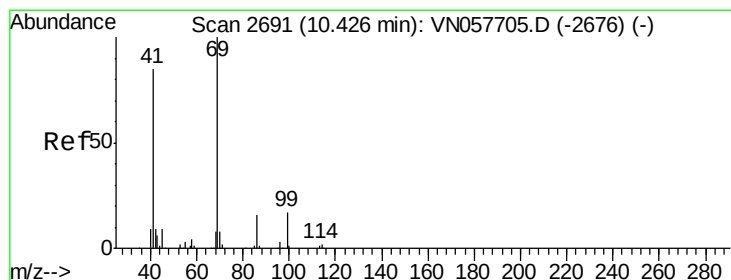
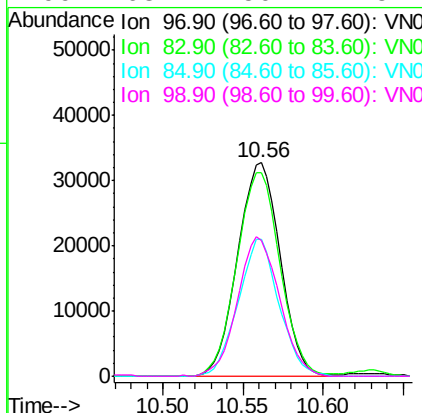
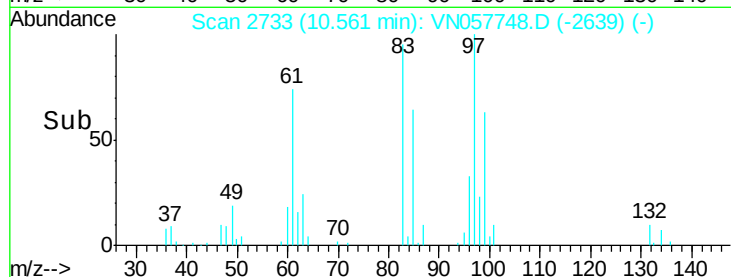
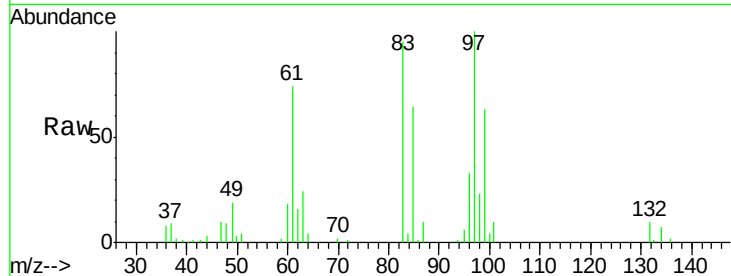
#55
 1,1,2-Trichloroethane
 Concen: 19.619 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion:	97	Resp:	59574
Ion	Ratio	Lower	Upper
97	100		
83	95.2	69.5	104.3
85	64.4	45.7	68.5
99	63.4	50.2	75.4

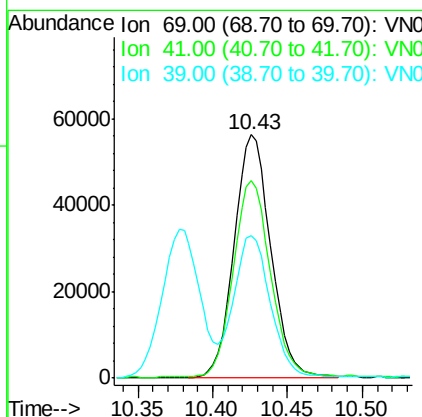
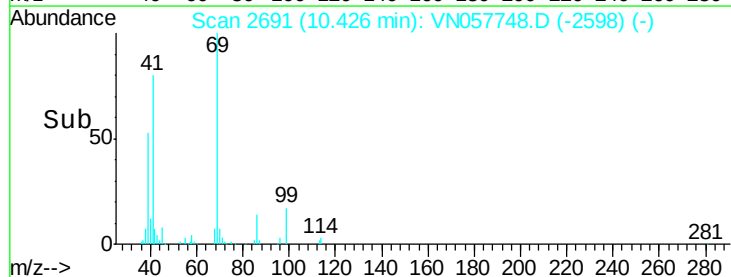
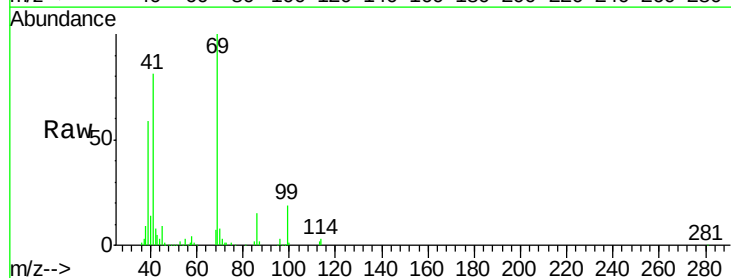
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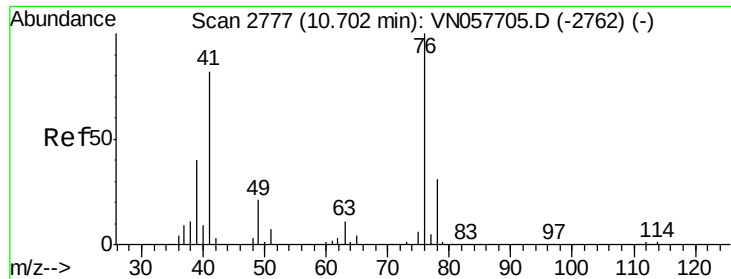
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 9/10/2019 3:03:19 PM



#56
 Ethyl methacrylate
 Concen: 19.873 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion:	69	Resp:	96318
Ion	Ratio	Lower	Upper
69	100		
41	81.8	69.0	103.4
39	57.5	49.2	73.8





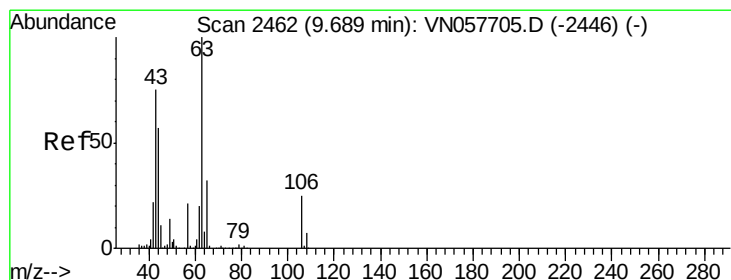
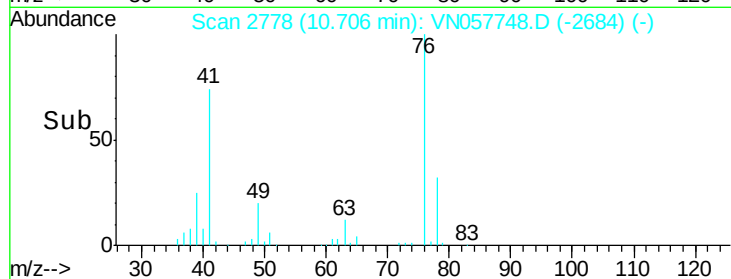
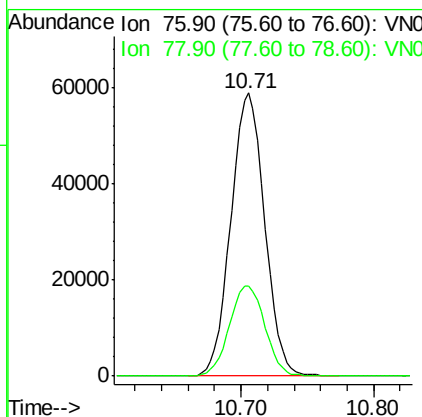
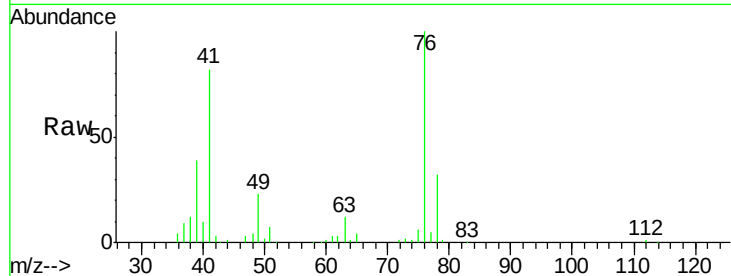
#57
 1,3-Dichloropropane
 Concen: 19.131 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion: 76 Resp: 104355
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.5 38.3

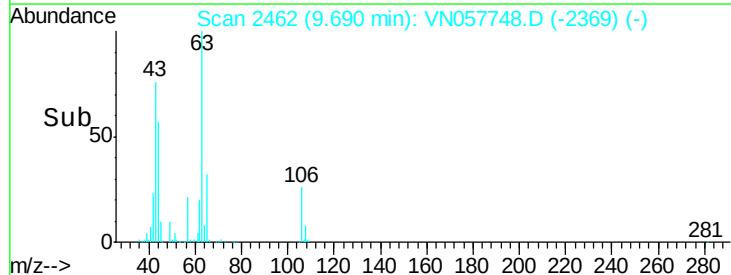
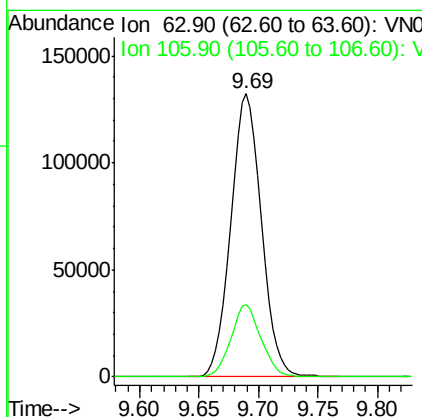
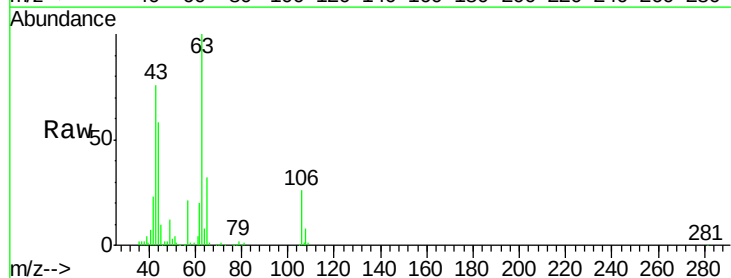
Manual Integrations
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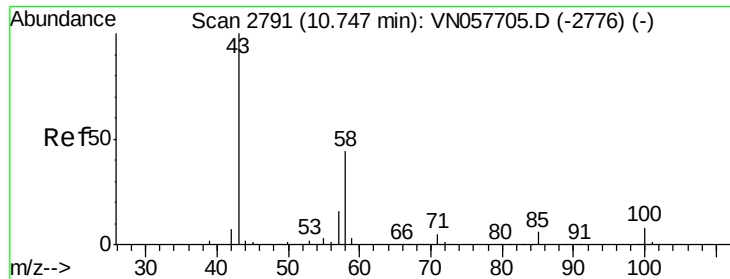
MMDadoda
 9/10/2019 3:03:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.140 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion: 63 Resp: 236403
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.2





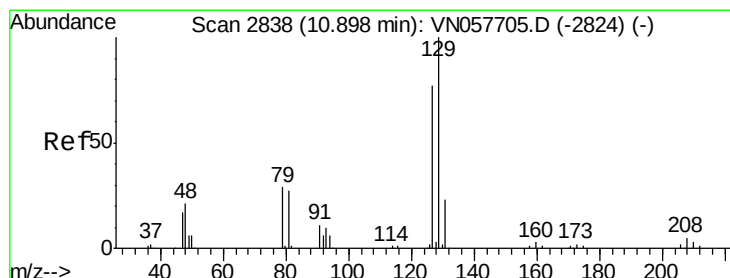
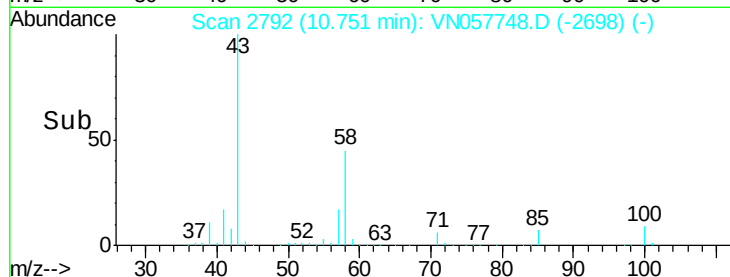
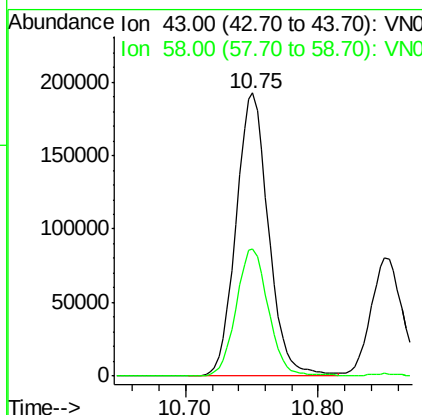
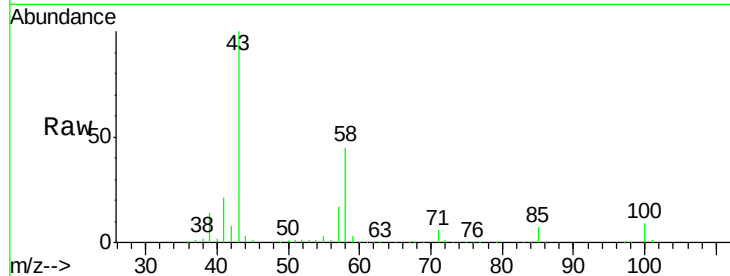
#59
2-Hexanone
Concen: 99.272 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	43	58	Ratio	Lower	Upper
326067	100	44.8		22.1	66.5

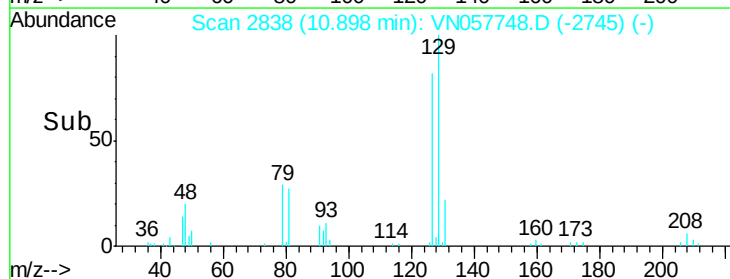
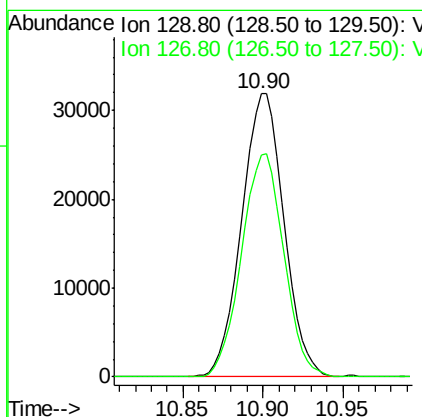
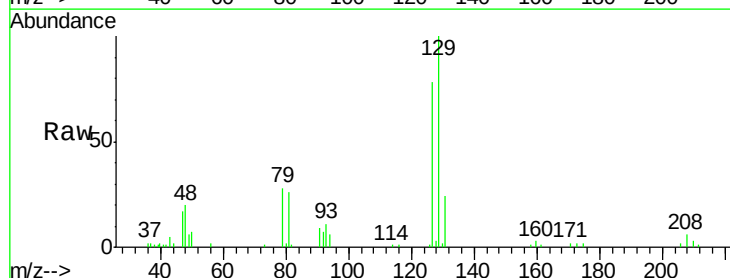
Manual Integrations
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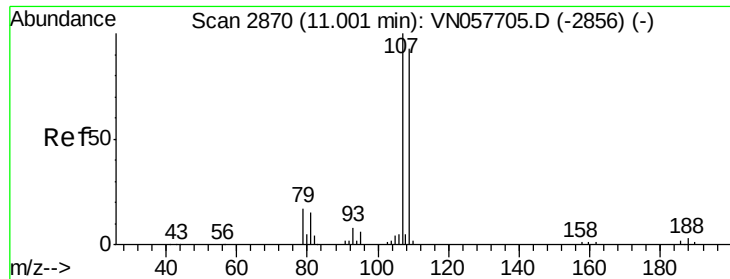
MMDadoda
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#60
Dibromochloromethane
Concen: 18.804 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	129	127	Ratio	Lower	Upper
57640	100	78.5		38.4	115.2





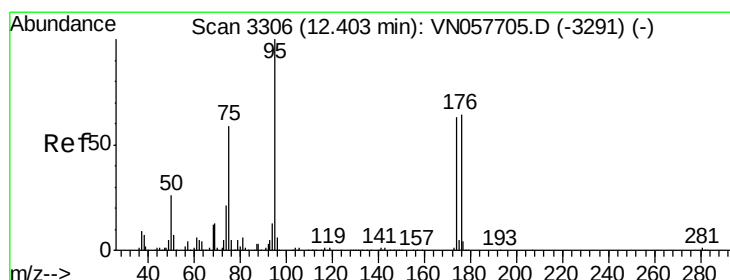
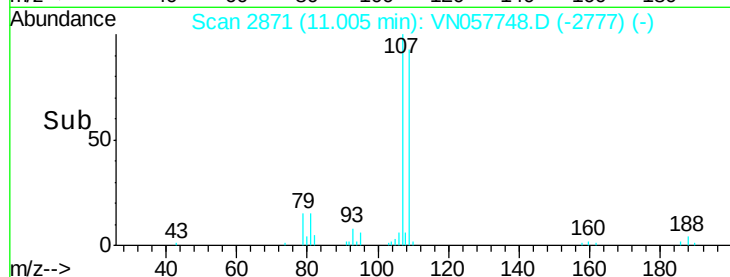
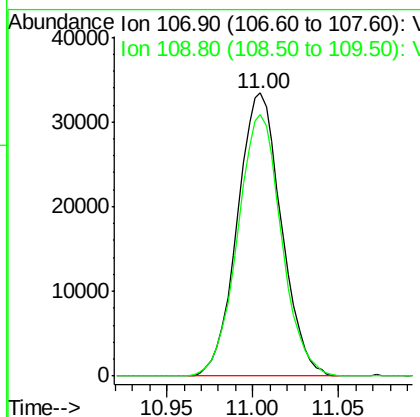
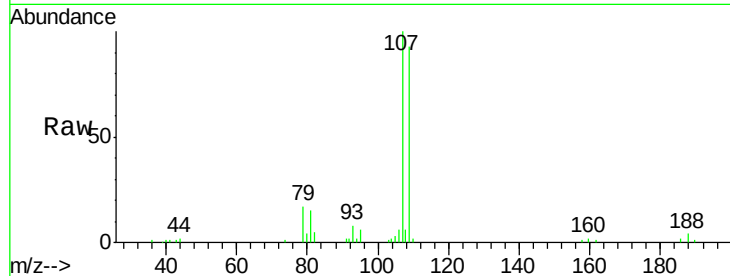
#61
 1,2-Dibromoethane
 Concen: 20.383 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.6	112.0

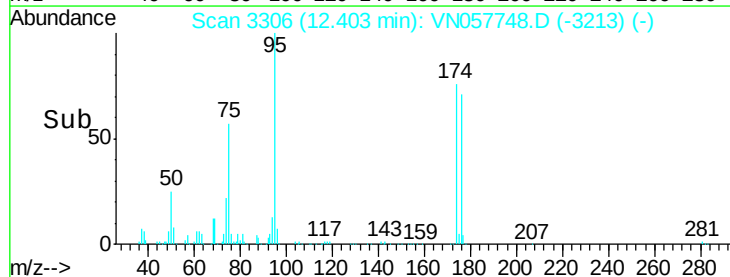
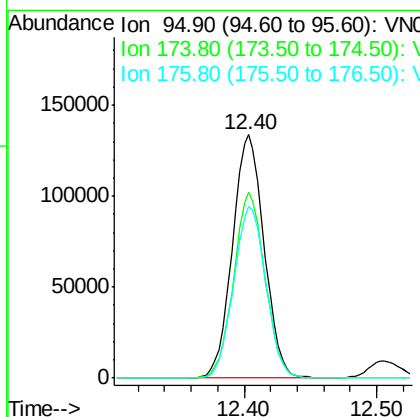
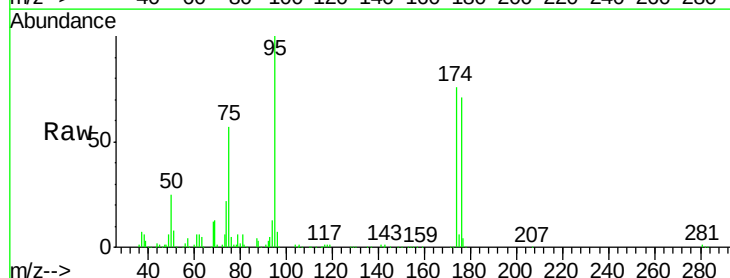
Manual Integrations
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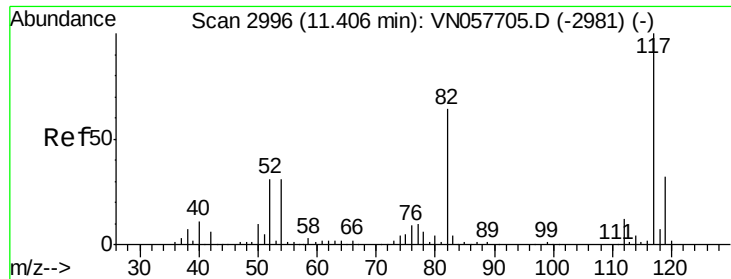
MMDadoda
 9/10/2019 3:03:19 PM



#62
 4-Bromofluorobenzene
 Concen: 47.771 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	128.0
176	71.9	0.0	128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

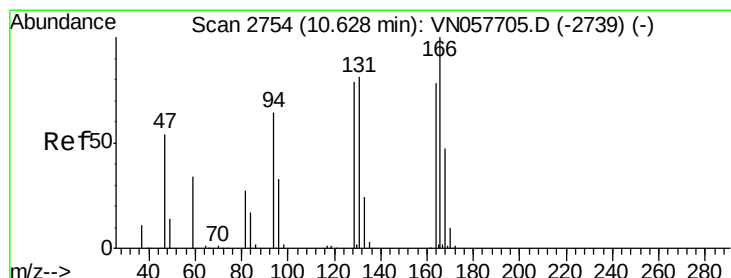
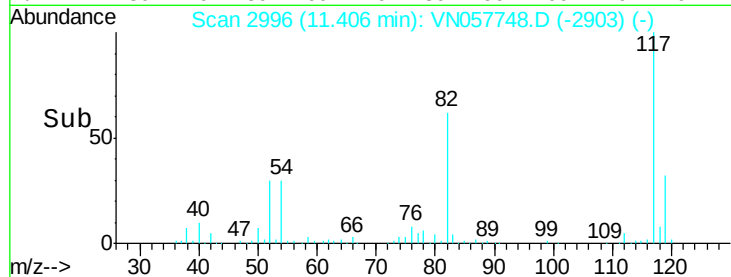
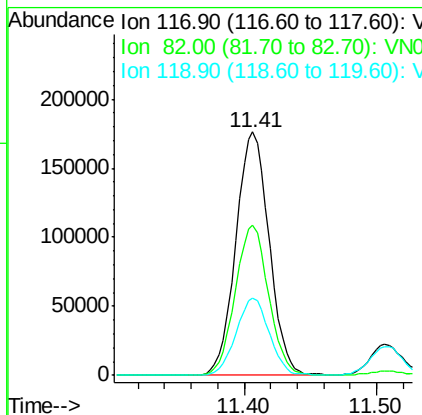
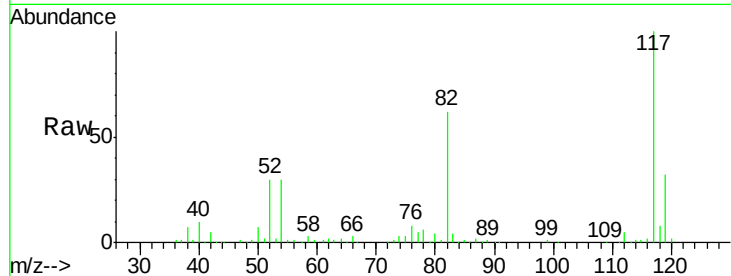
ClientSampleId :

VN0907WBSD01

Tot Ion:	117	Resp:	307570
Ion Ratio	Lower	Upper	
117	100		
82	61.7	51.4	77.0
119	32.0	25.4	38.2

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#64

Tetrachloroethene

Concen: 20.783 ug/l

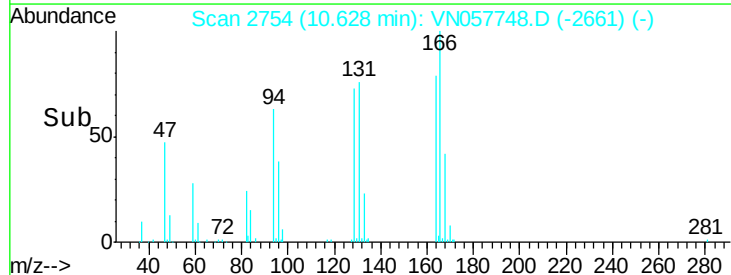
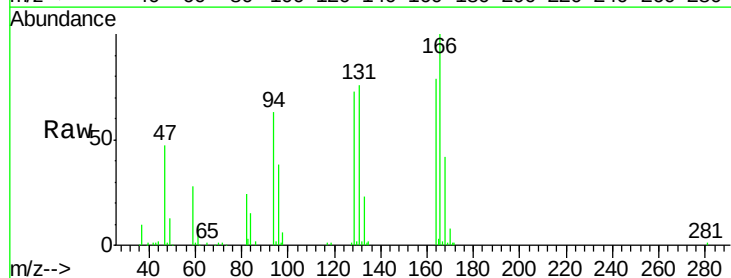
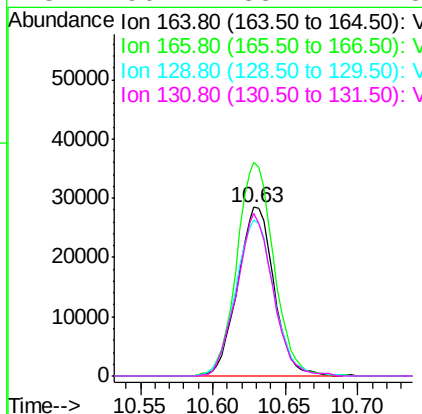
RT: 10.63 min Scan# 2754

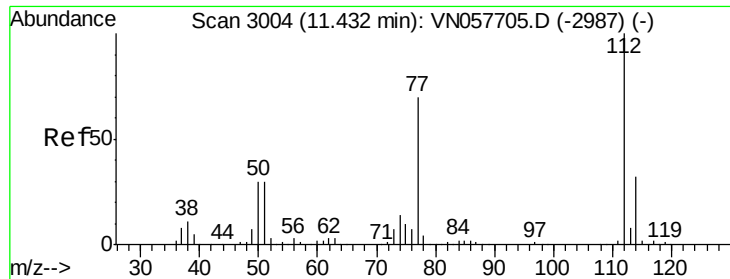
Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion:	164	Resp:	49835
Ion Ratio	Lower	Upper	
164	100		
166	126.7	103.0	154.6
129	92.8	81.1	121.7
131	96.1	83.2	124.8





#65

Chlorobenzene

Concen: 20.067 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion:112 Resp: 160998

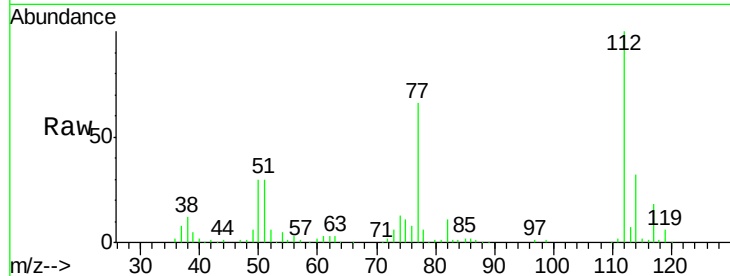
Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.8

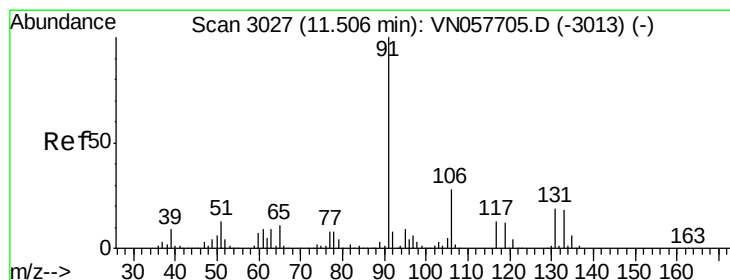
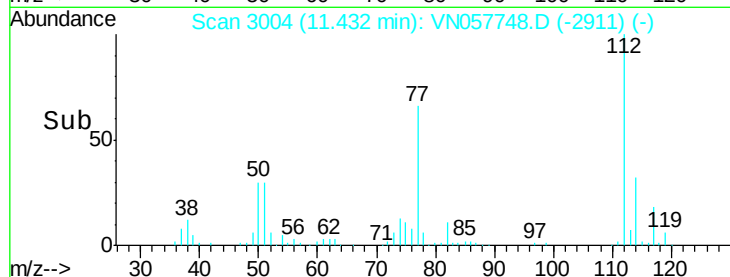
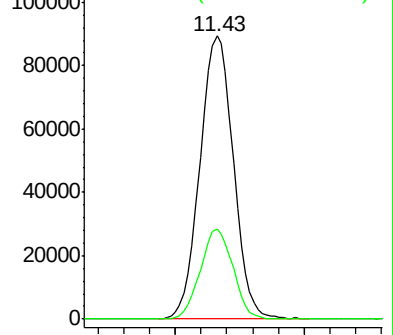
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.255 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

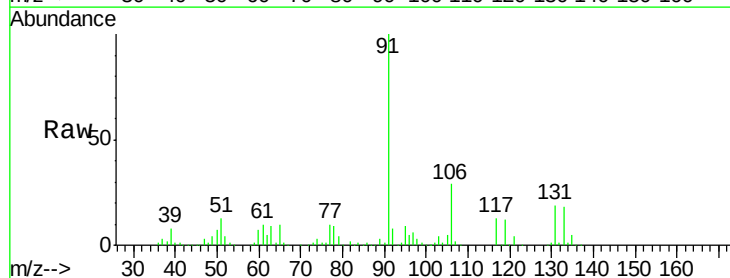
Tgt Ion:131 Resp: 56546

Ion Ratio Lower Upper

131 100

133 92.7 47.6 142.9

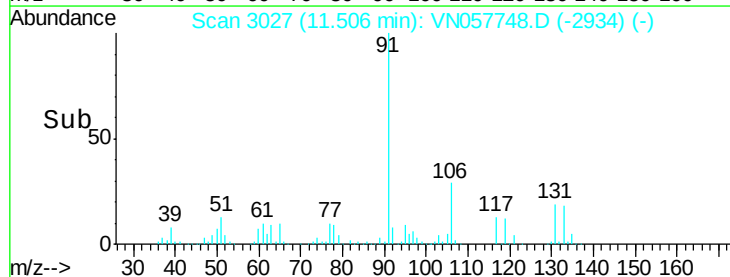
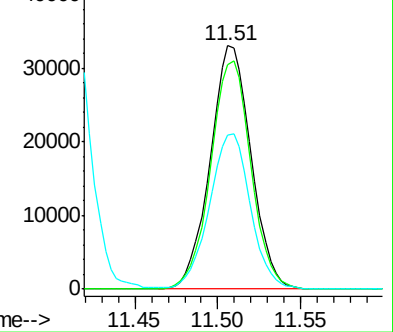
119 64.1 32.8 98.3

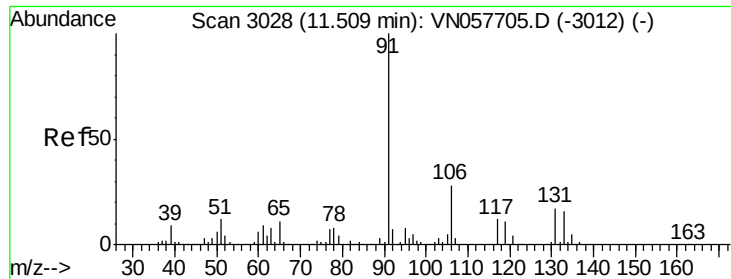


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.536 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion: 91 Resp: 302411

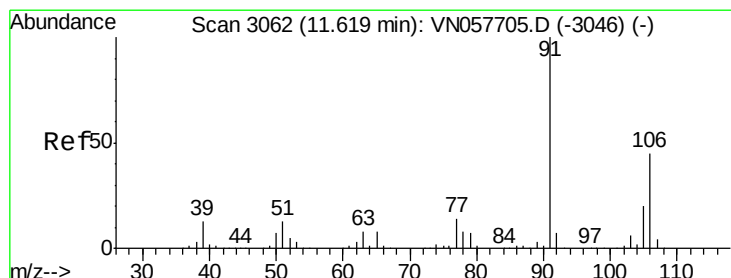
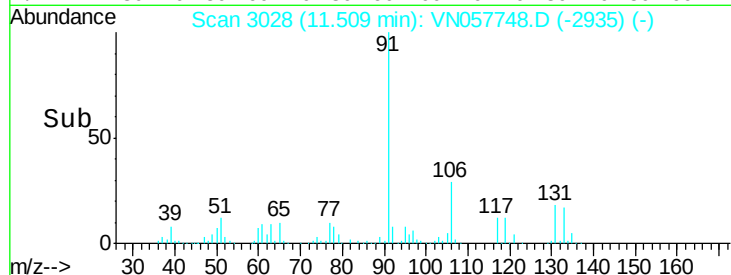
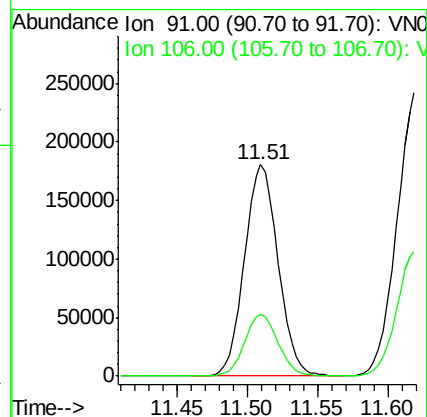
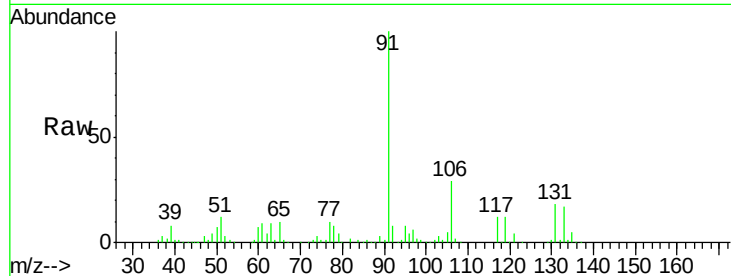
Ion Ratio Lower Upper

91 100

106 29.3 22.8 34.2

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#68

m/p-Xylenes

Concen: 39.777 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057748.D

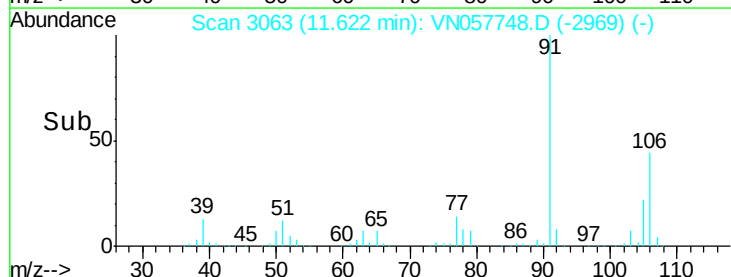
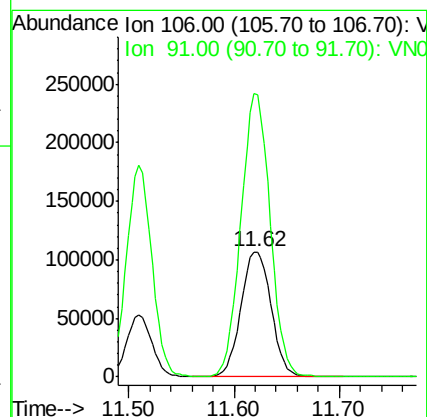
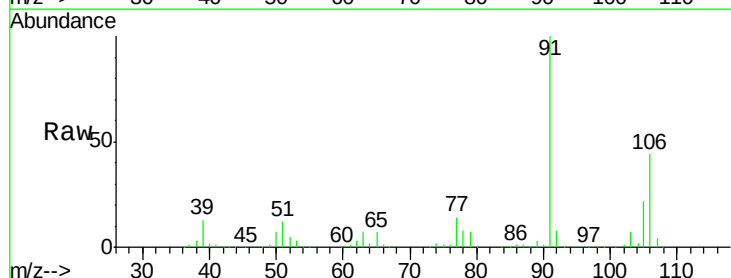
Acq: 7 Sep 2019 13:16

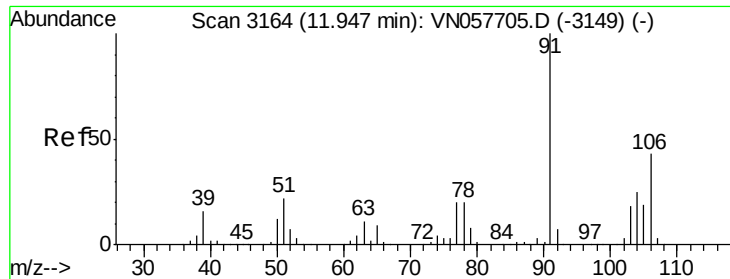
Tgt Ion: 106 Resp: 212083

Ion Ratio Lower Upper

106 100

91 218.9 179.8 269.8





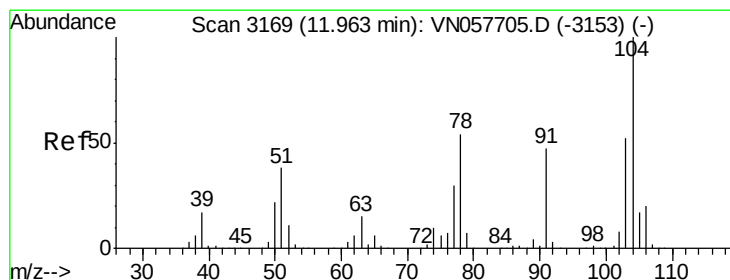
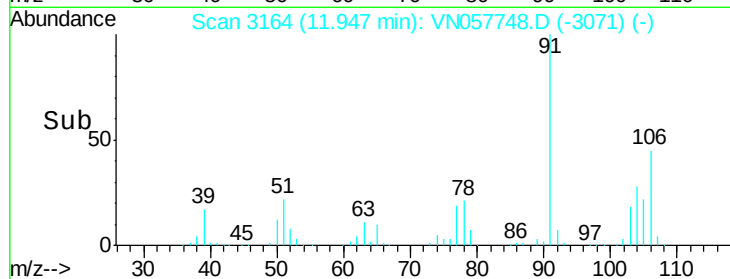
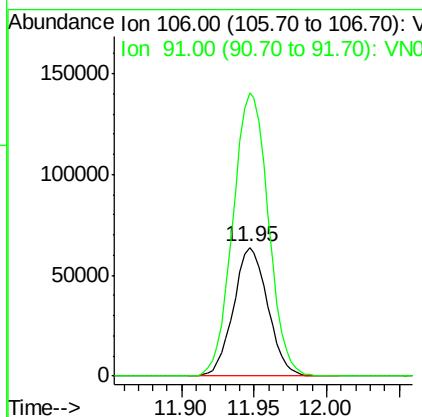
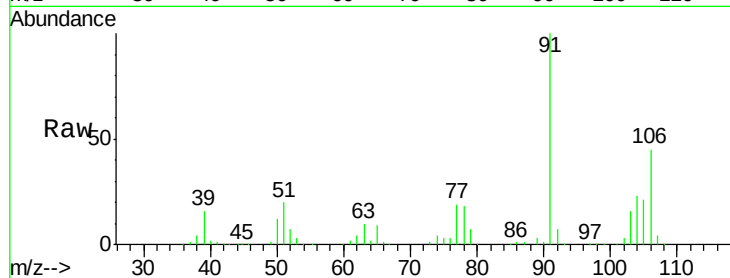
#69
o-Xylene
Concen: 19.914 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion:106 Resp: 105136
Ion Ratio Lower Upper
106 100
91 227.4 116.8 350.4

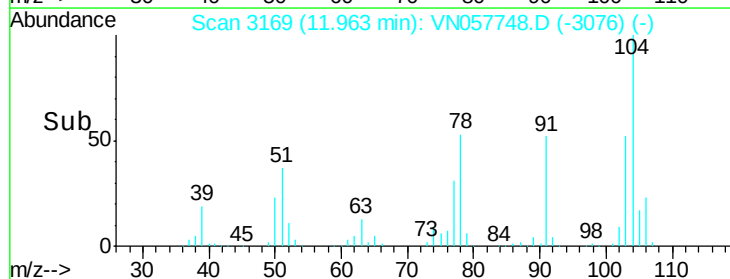
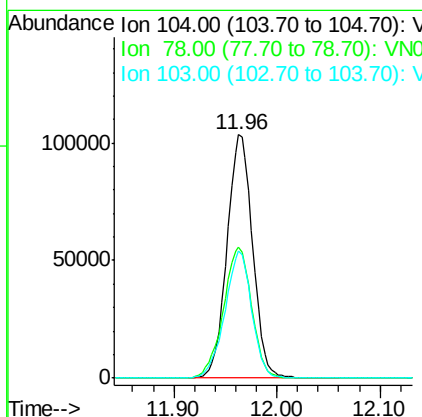
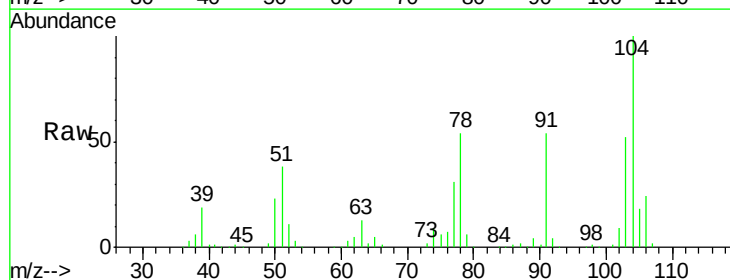
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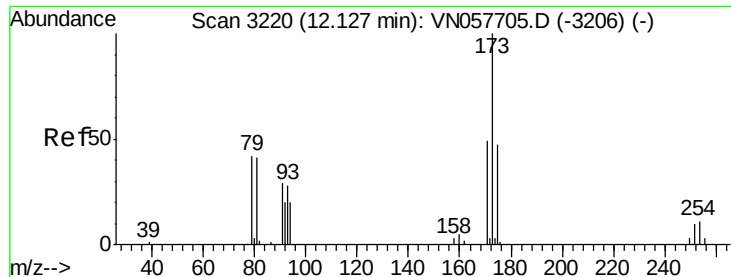
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#70
Styrene
Concen: 19.660 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion:104 Resp: 179594
Ion Ratio Lower Upper
104 100
78 59.2 48.5 72.7
103 54.5 45.0 67.4





#71

Bromoform

Concen: 18.962 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion:173 Resp: 35067

Ion Ratio Lower Upper

173 100

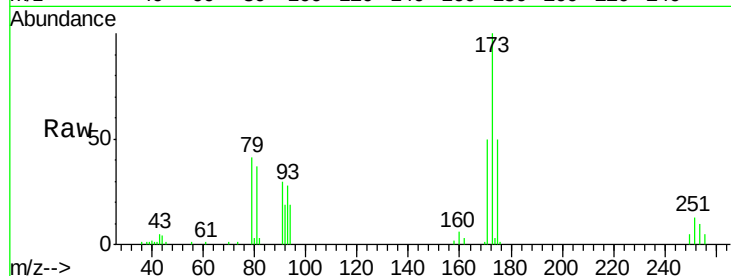
175 49.2 24.6 73.8

254 0.0 0.0 0.0

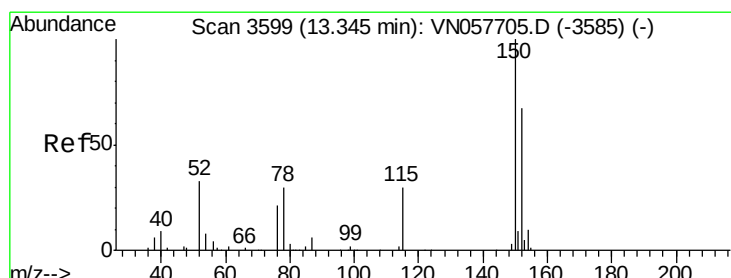
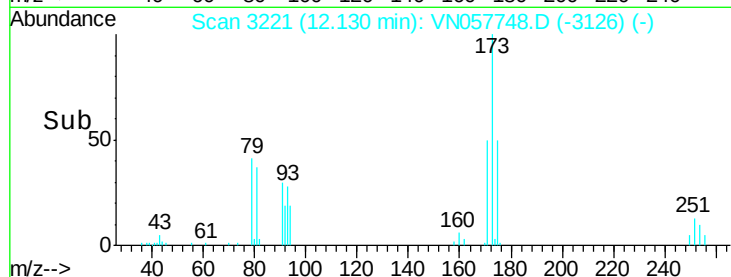
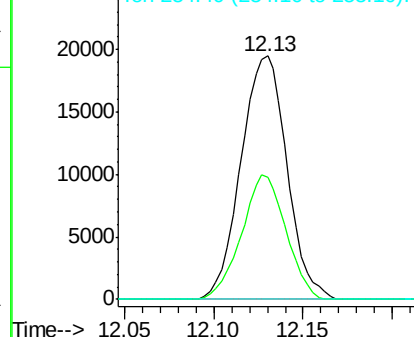
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

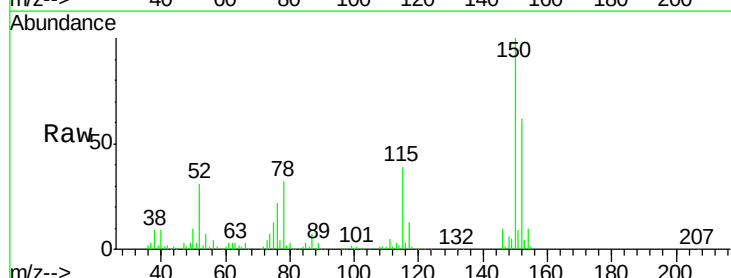
Tgt Ion:152 Resp: 173483

Ion Ratio Lower Upper

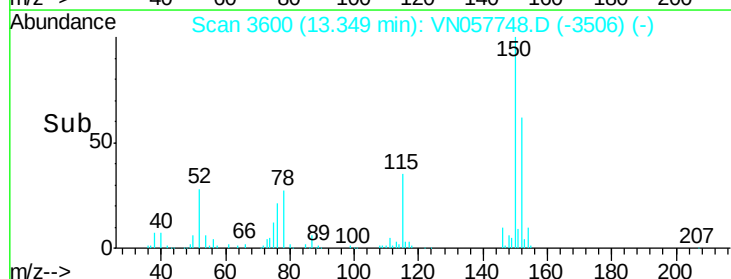
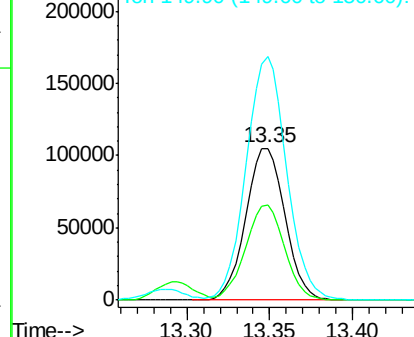
152 100

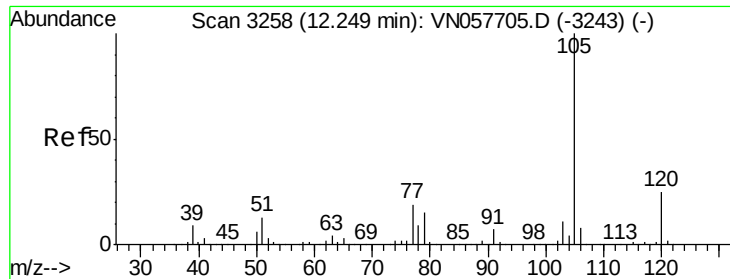
115 62.5 33.8 101.3

150 165.3 0.0 345.4



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: 19.000 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 105 Resp: 291411

Ion Ratio Lower Upper

105 100

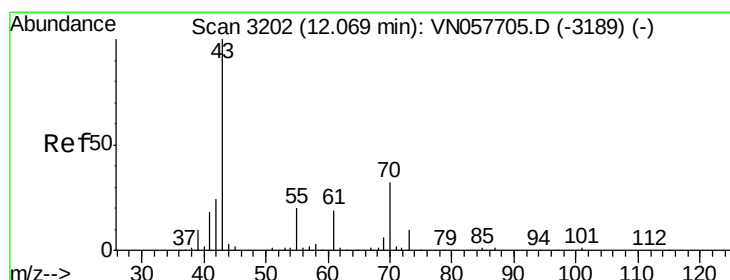
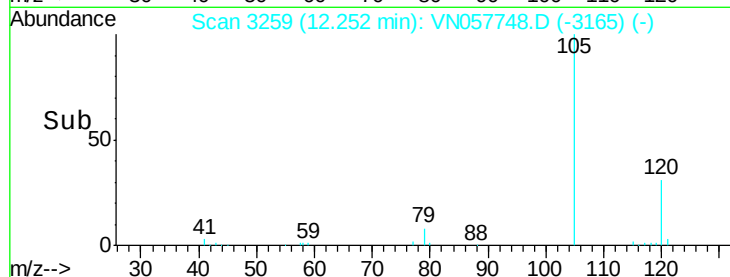
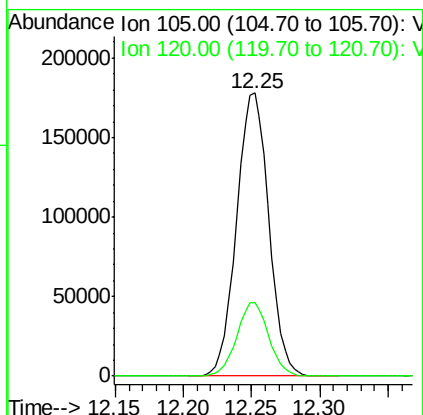
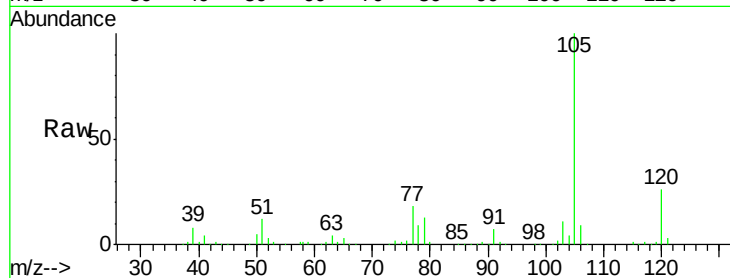
120 25.8 12.2 36.6

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#74

N-ethyl acetate

Concen: 17.777 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion: 43 Resp: 136205

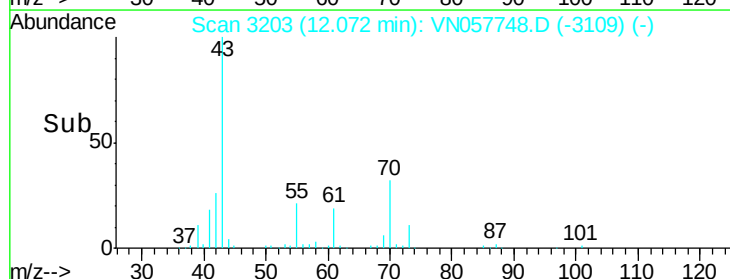
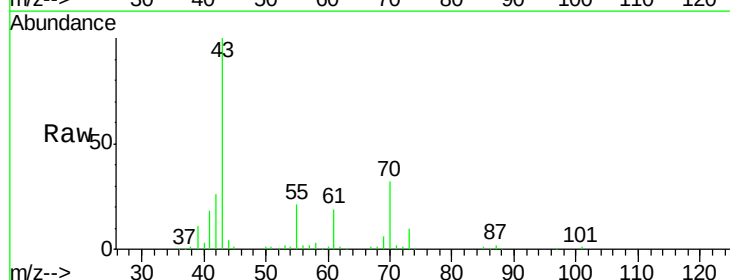
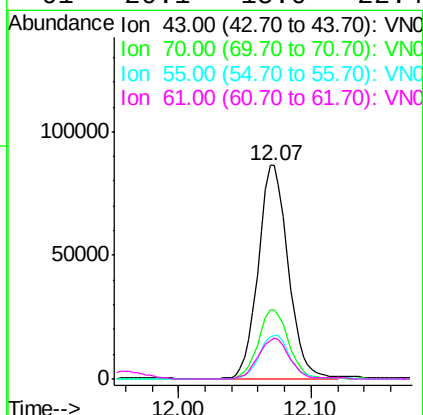
Ion Ratio Lower Upper

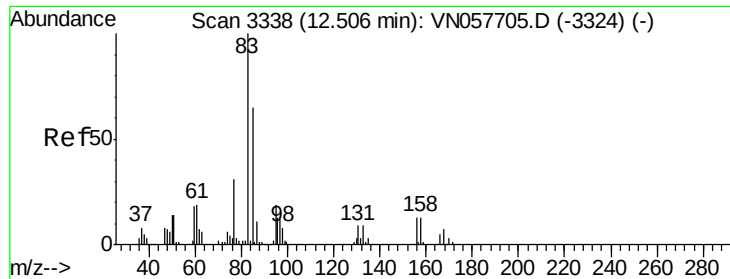
43 100

70 32.7 26.1 39.1

55 20.5 16.3 24.5

61 20.1 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

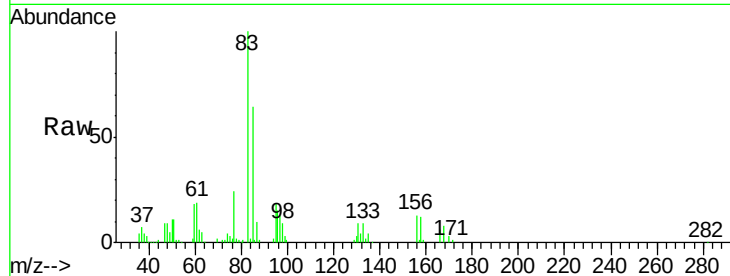
ClientSampleId :

VN0907WBSD01

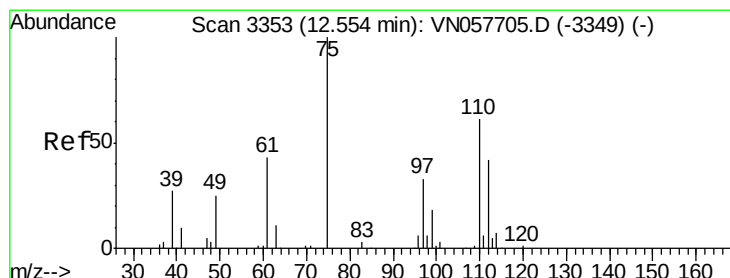
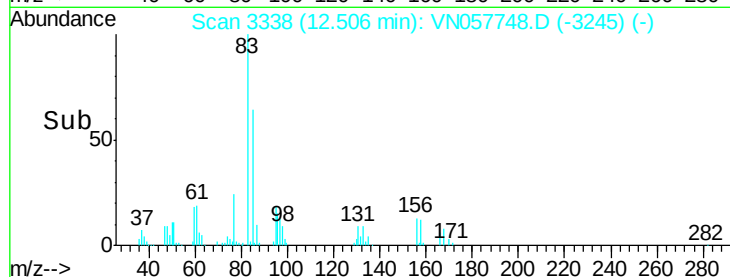
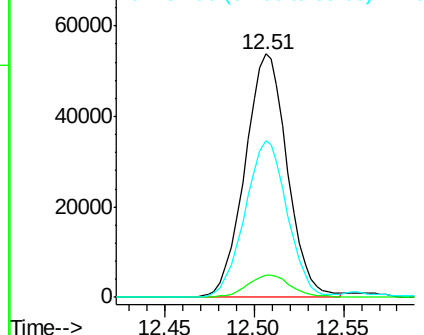
Tot Ion:	83	Resp:	89377
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	64.0	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057748.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 18.702 ug/l m

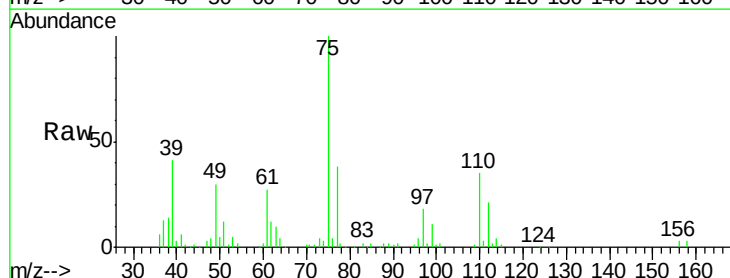
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

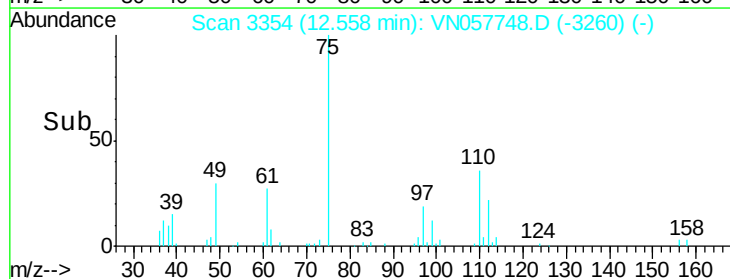
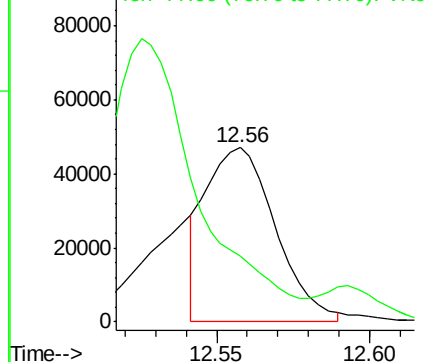
Lab File: VN057748.D

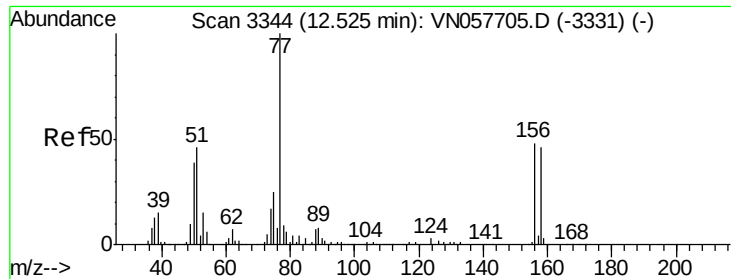
Acq: 7 Sep 2019 13:16

Tgt Ion:	75	Resp:	74507
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057748.D (-3260) (-)





#77

Bromobenzene

Concen: 20.825 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion:156 Resp: 69389

Ion Ratio Lower Upper

156 100

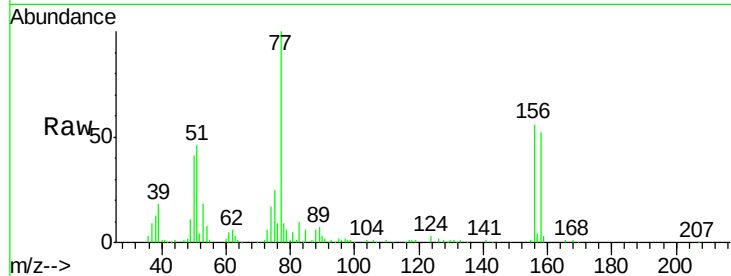
77 228.8 125.4 376.2

158 94.9 49.3 147.9

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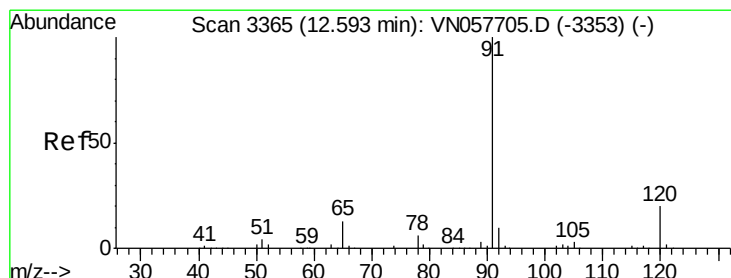
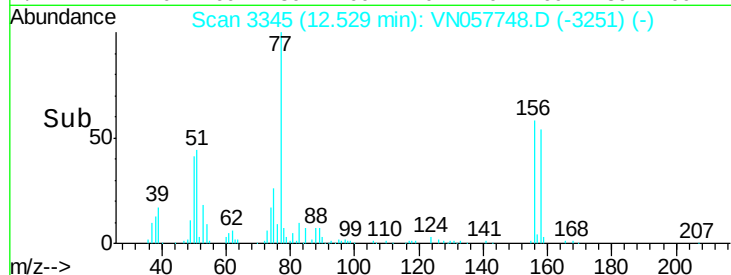
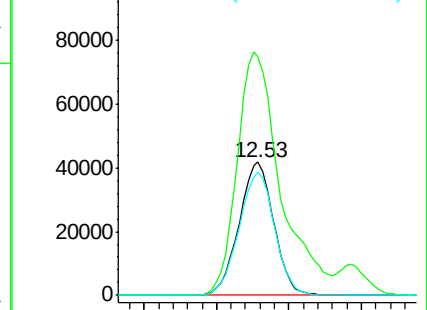
9/10/2019 3:03:19 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.787 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057748.D

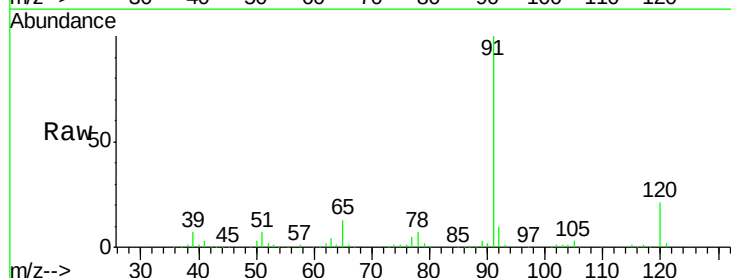
Acq: 7 Sep 2019 13:16

Tgt Ion: 91 Resp: 342332

Ion Ratio Lower Upper

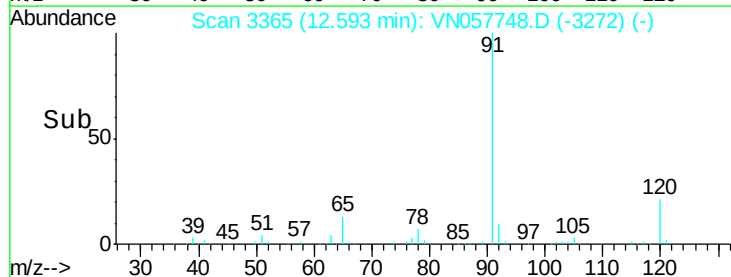
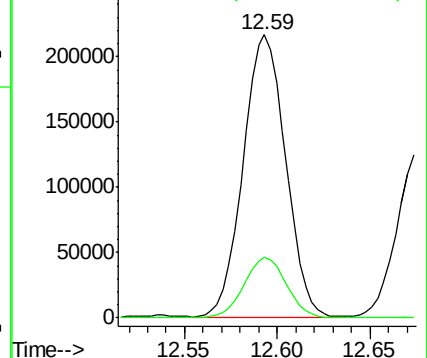
91 100

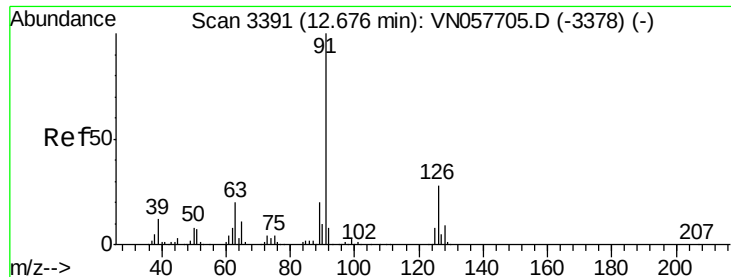
120 21.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.979 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 91 Resp: 210537

Ion Ratio Lower Upper

91 100

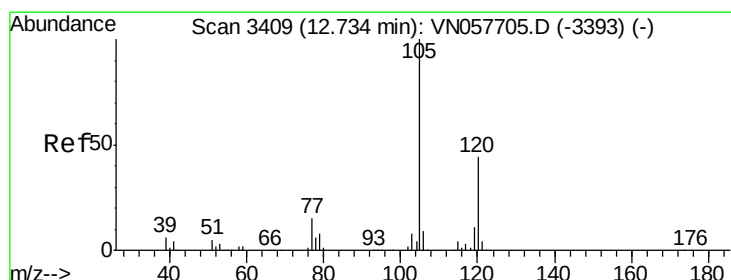
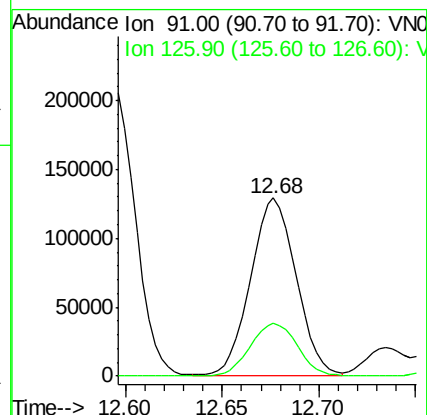
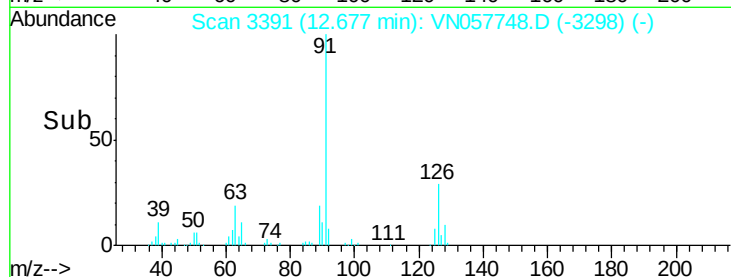
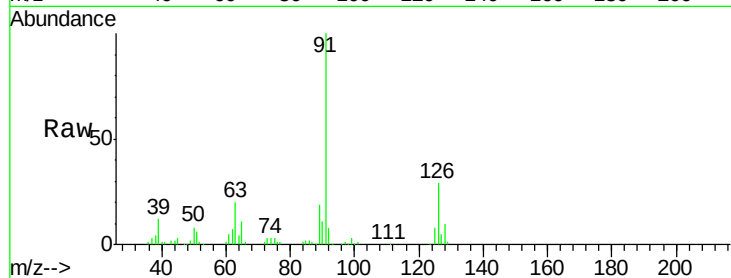
126 31.0 14.5 43.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.565 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057748.D

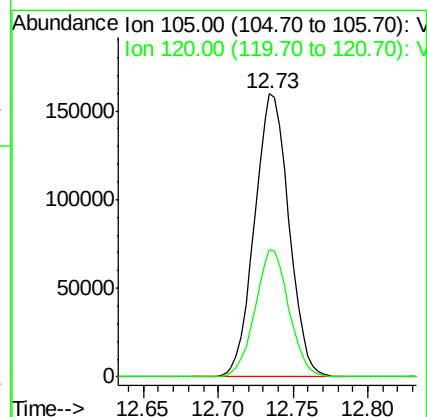
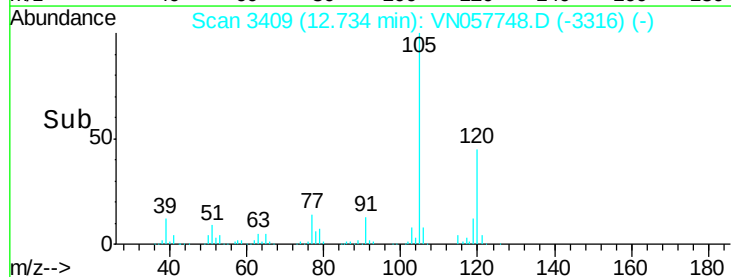
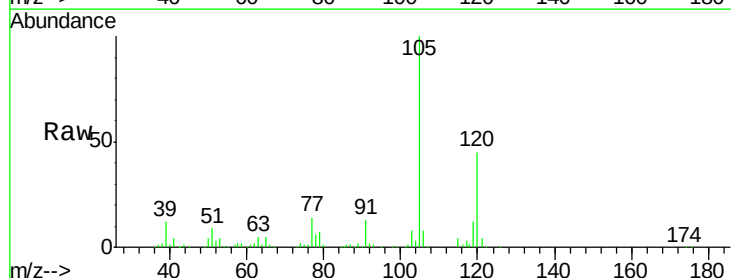
Acq: 7 Sep 2019 13:16

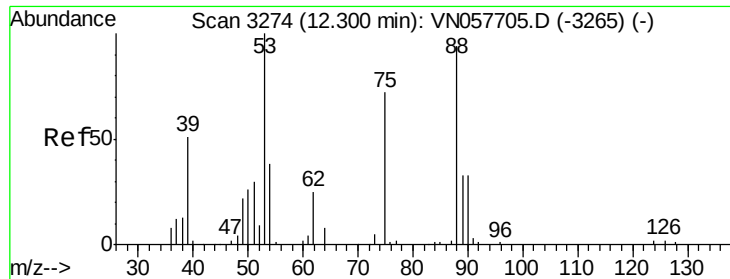
Tgt Ion: 105 Resp: 254910

Ion Ratio Lower Upper

105 100

120 44.3 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.219 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 75 Resp: 20776

Ion Ratio Lower Upper

75 100

53 133.3 107.0 160.6

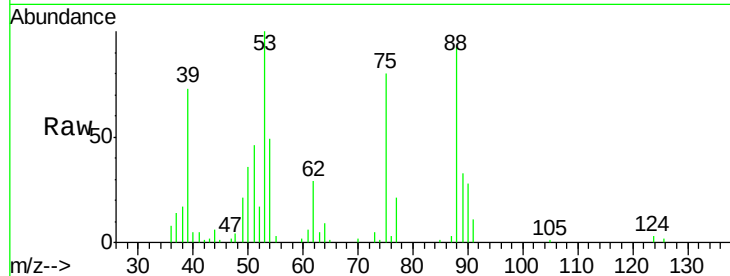
89 43.3 36.5 54.7

Manual Integrations

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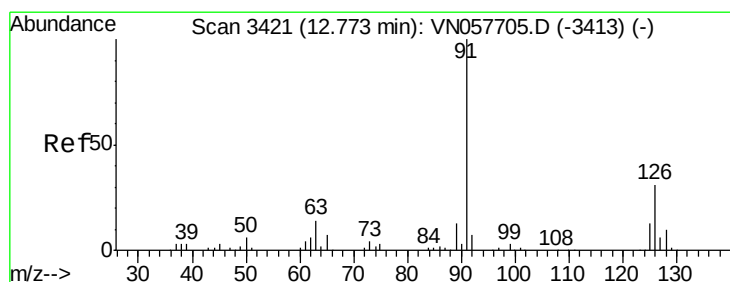
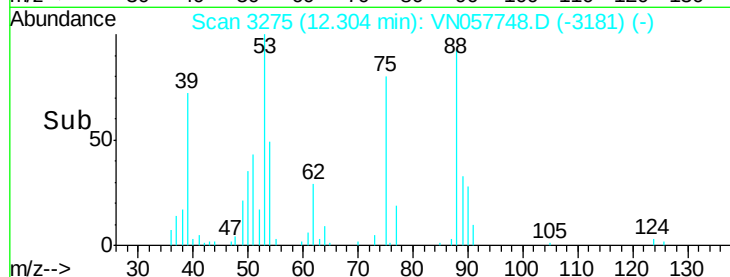
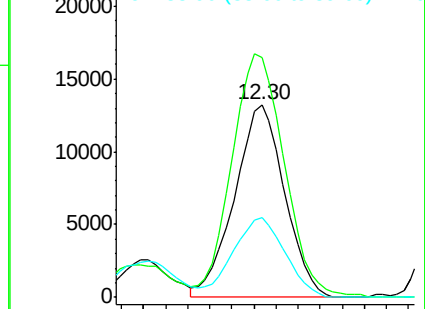
9/10/2019 3:03:19 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.615 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057748.D

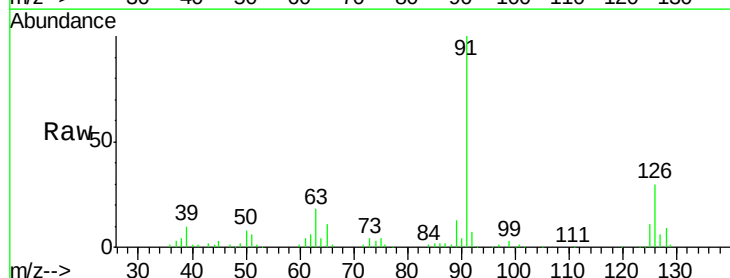
Acq: 7 Sep 2019 13:16

Tgt Ion: 91 Resp: 212679

Ion Ratio Lower Upper

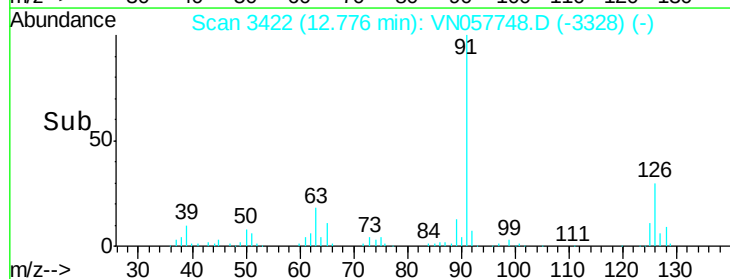
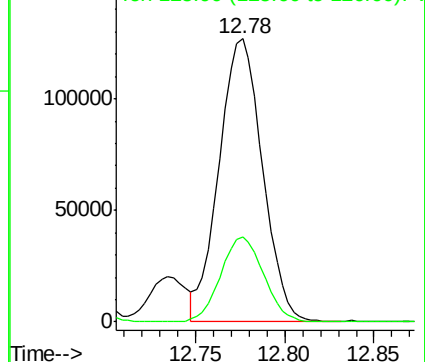
91 100

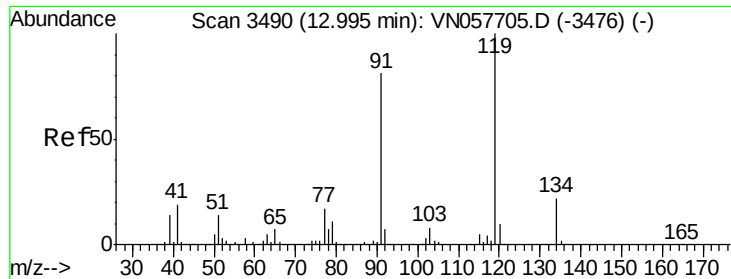
126 30.0 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





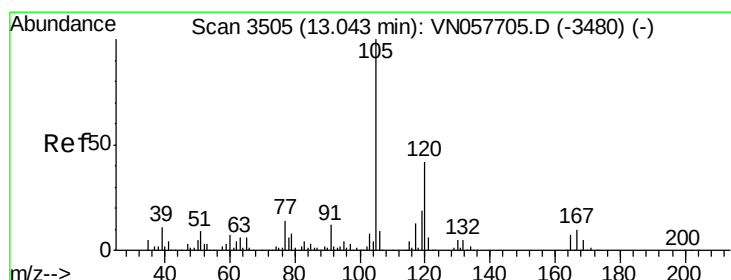
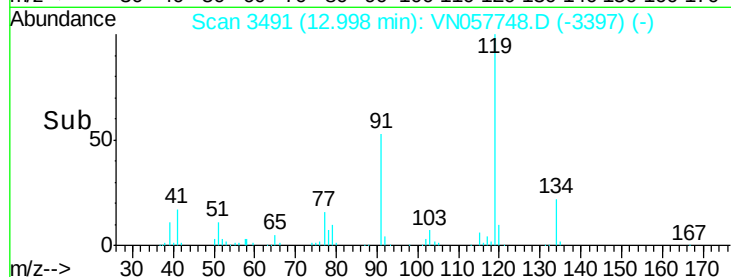
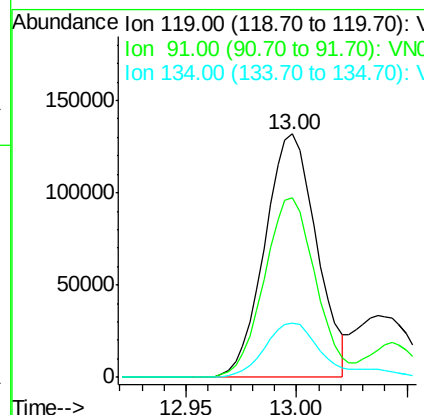
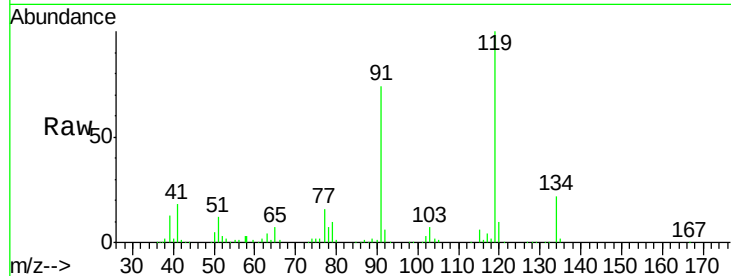
#83
 tert-Butylbenzene
 Concen: 19.539 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.9	39.6	118.8
134	25.9	11.3	33.8

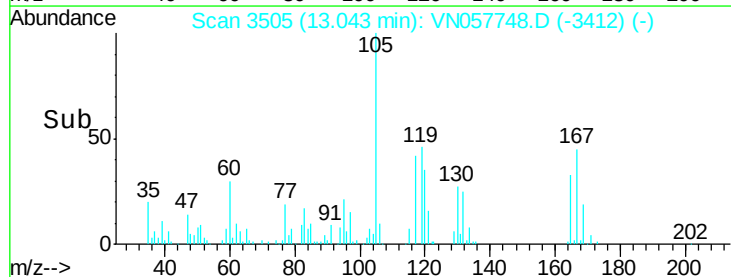
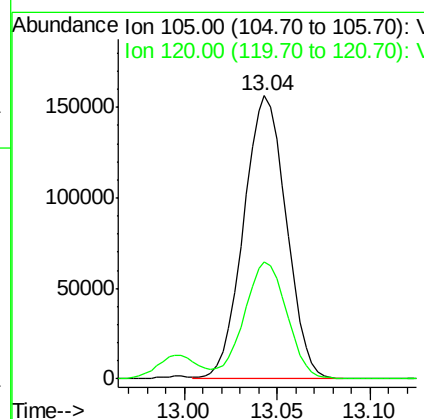
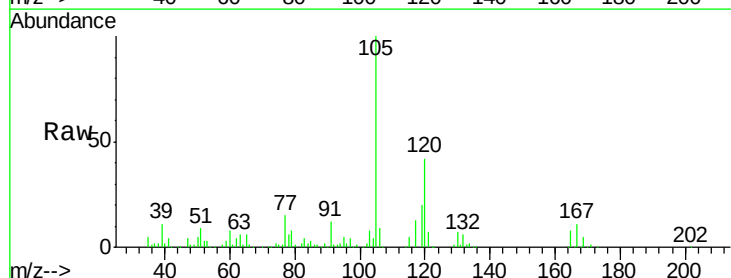
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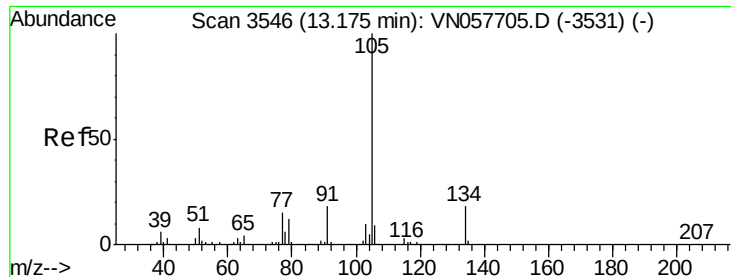
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.223 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	20.8	62.5





#85

sec-Butylbenzene

Concen: 18.636 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion:105 Resp: 282003

Ion Ratio Lower Upper

105 100

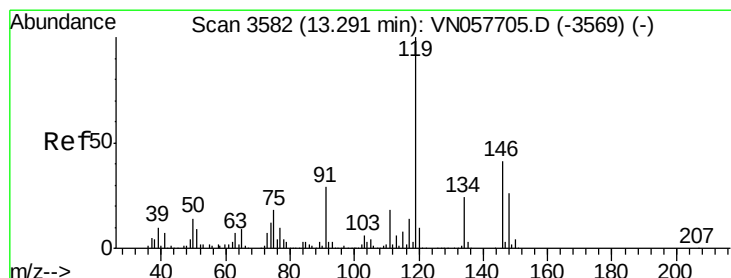
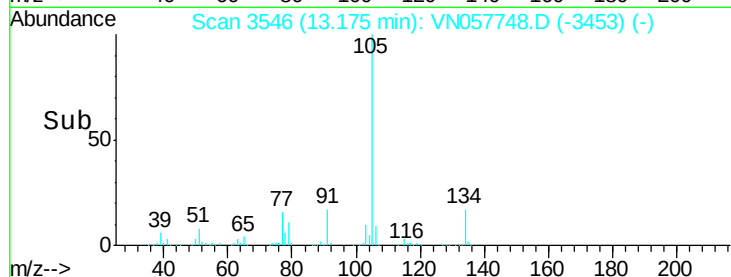
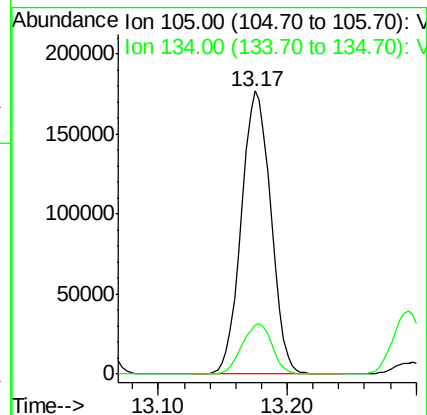
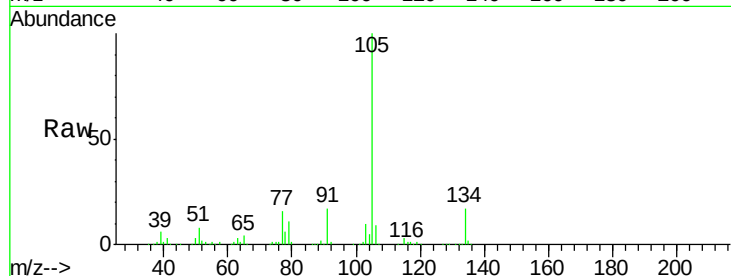
134 18.1 8.8 26.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.608 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

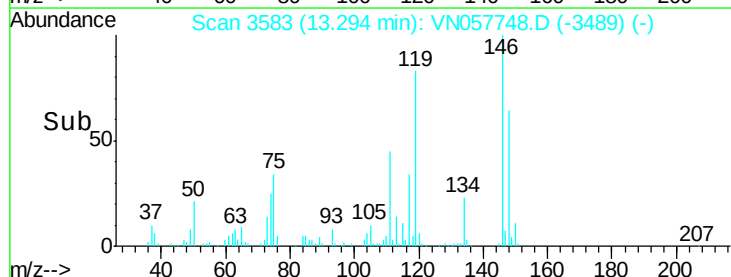
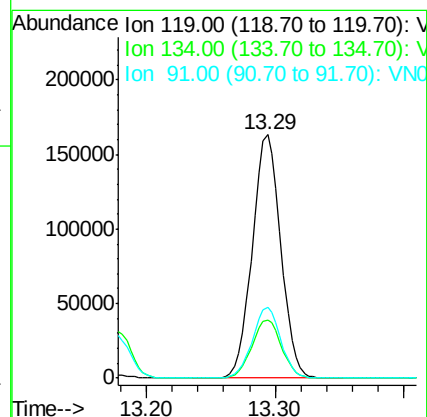
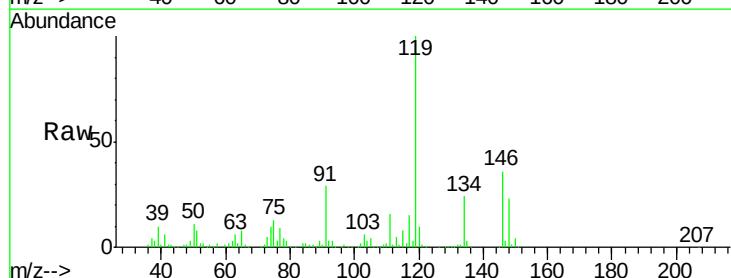
Tgt Ion:119 Resp: 251454

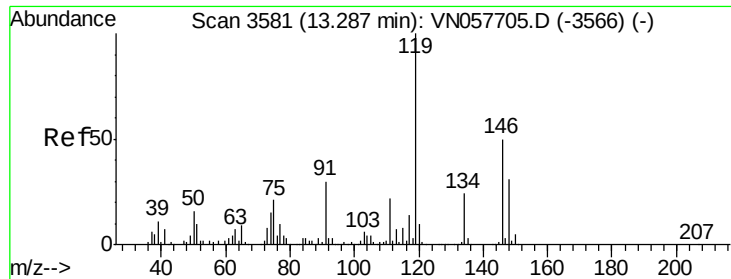
Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.0

91 28.8 14.8 44.3





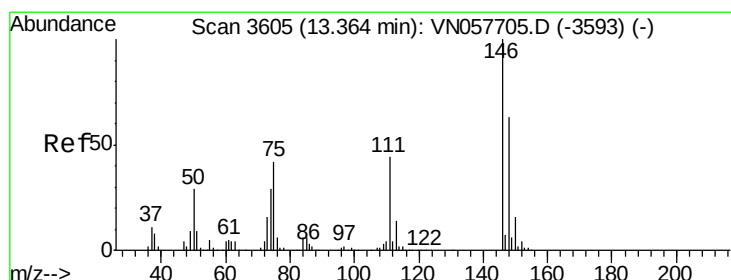
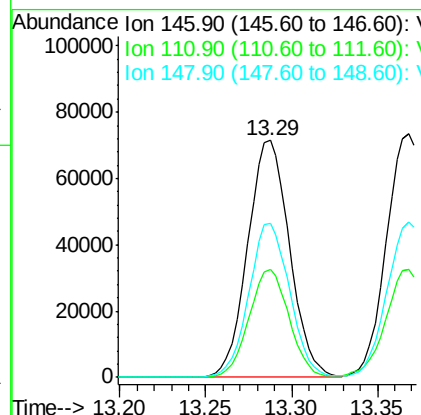
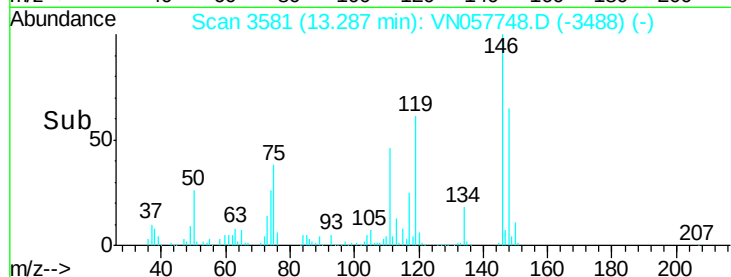
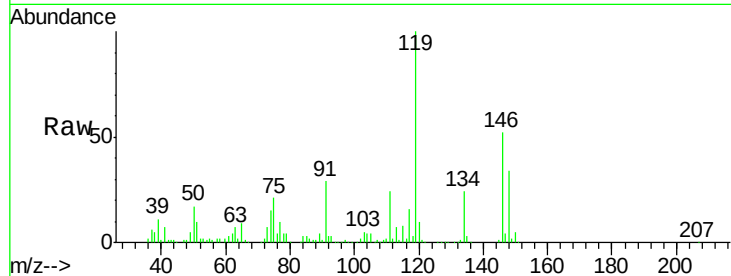
#87
 1,3-Dichlorobenzene
 Concen: 19.432 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121045		
111	43.7	22.3	66.8	
148	63.2	31.5	94.5	

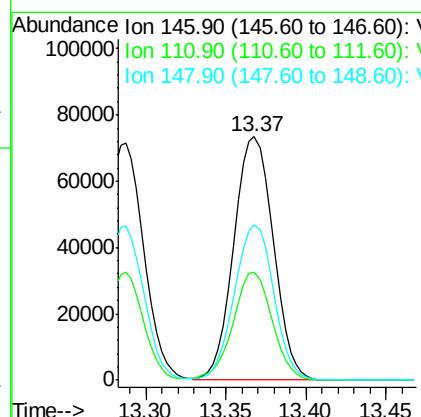
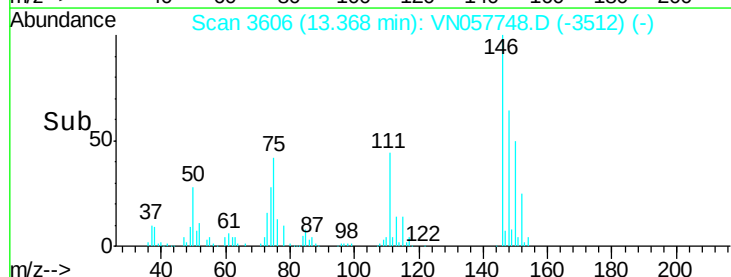
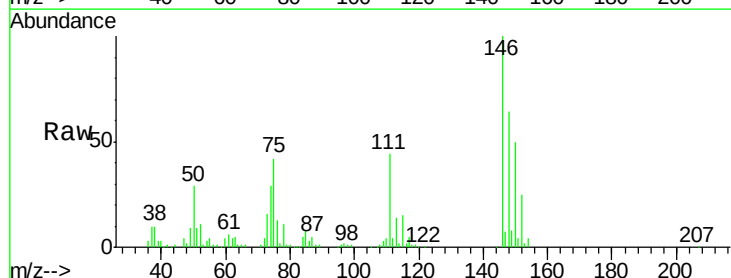
Manual Integrations
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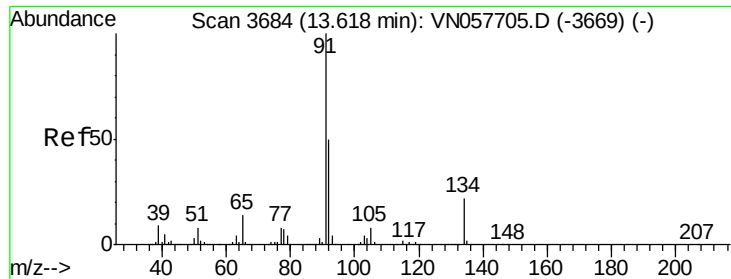
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#88
 1,4-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123870		
111	43.9	22.3	66.9	
148	63.6	31.9	95.7	





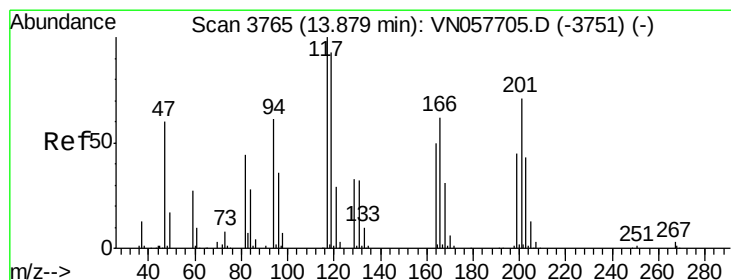
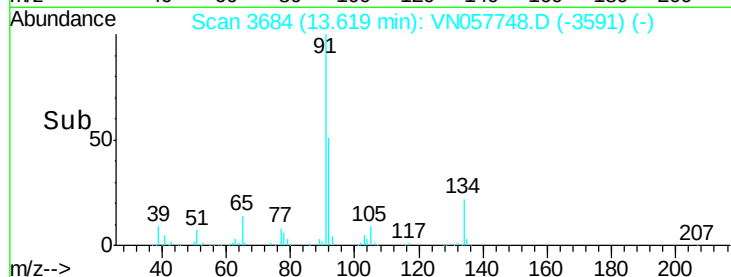
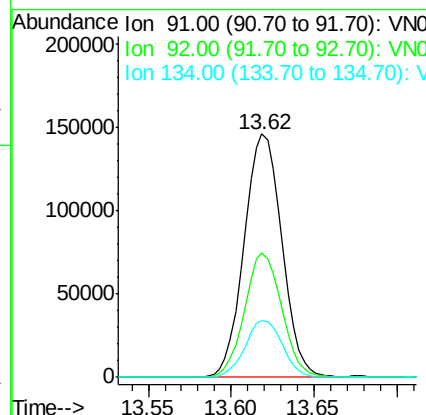
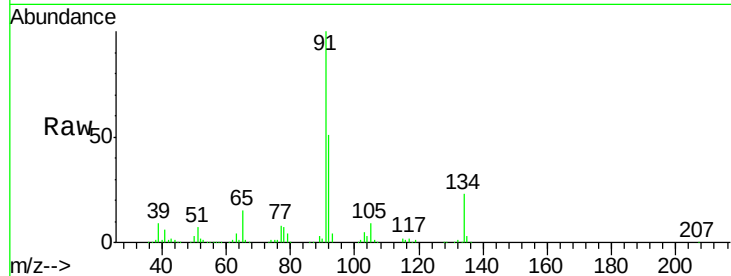
#89
n-Butylbenzene
Concen: 18.283 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.6	76.8
134	23.3	11.2	33.5

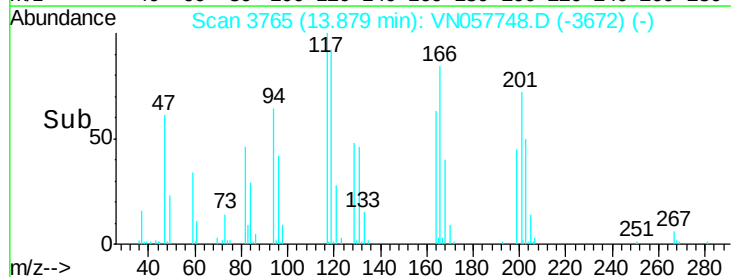
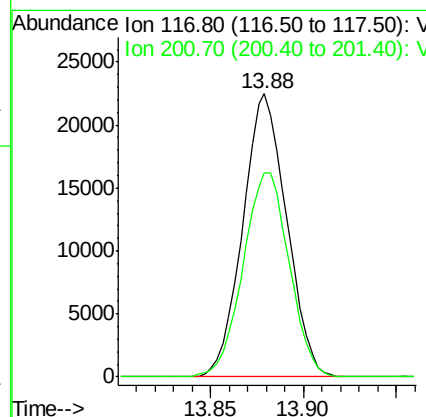
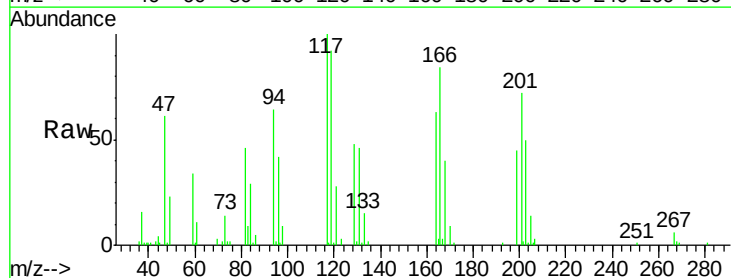
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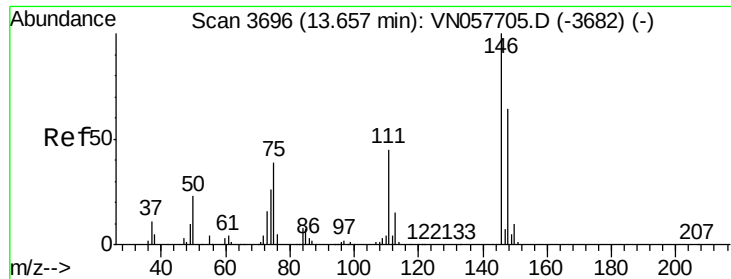
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#90
Hexachloroethane
Concen: 18.309 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057748.D
Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	36.4	109.2





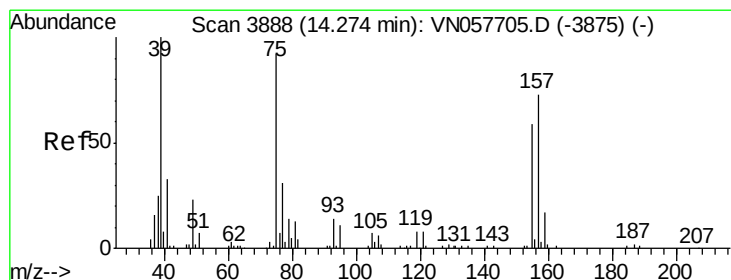
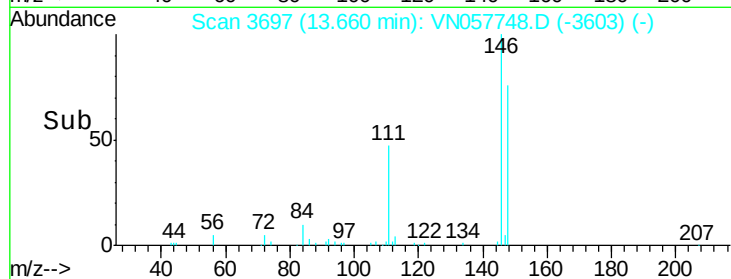
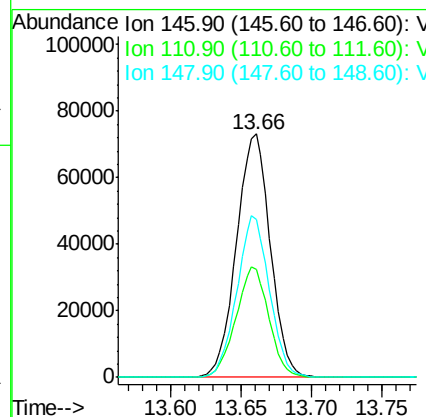
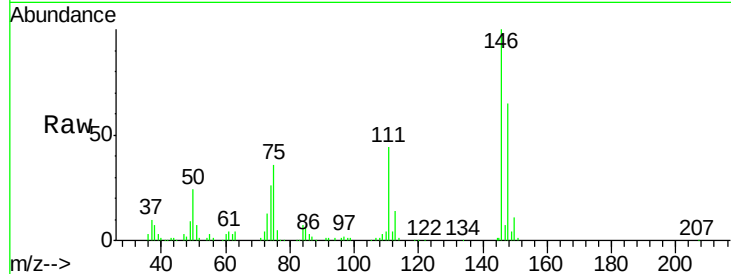
#91
 1,2-Dichlorobenzene
 Concen: 20.035 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.8	68.3
148	63.9	31.6	95.0

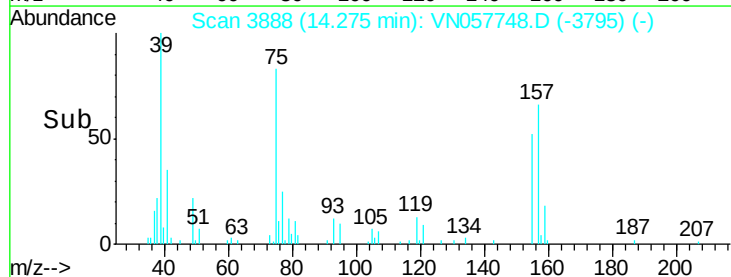
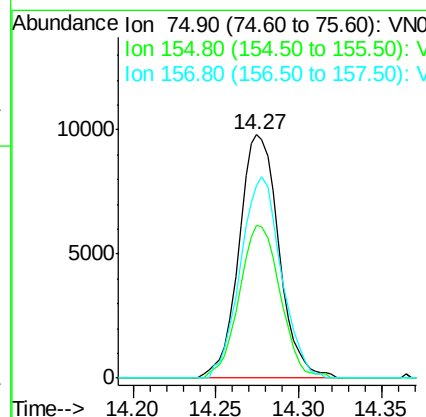
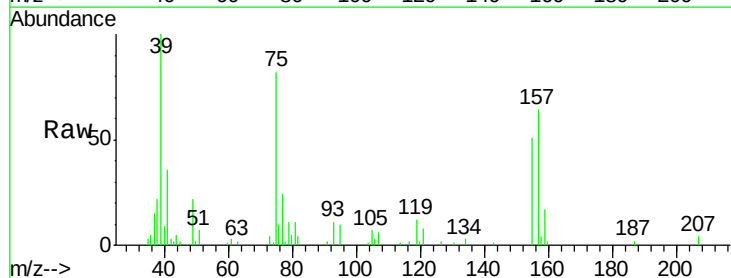
Manual Integrations
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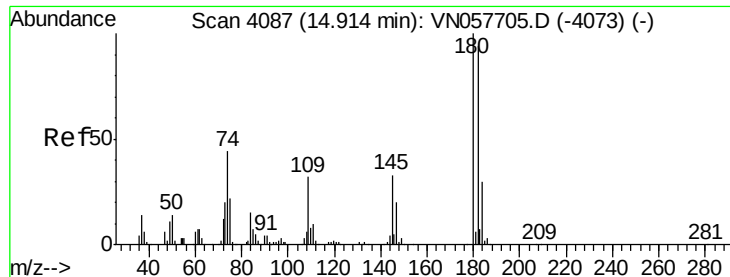
MMDadoda
 9/10/2019 3:03:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.115 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.4	30.1	90.5
157	84.2	38.1	114.5





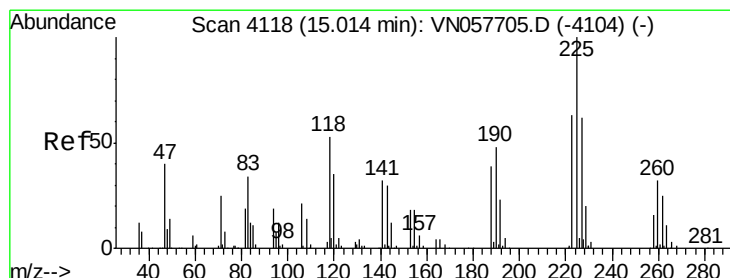
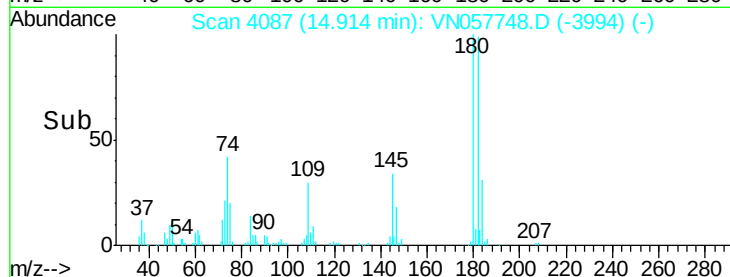
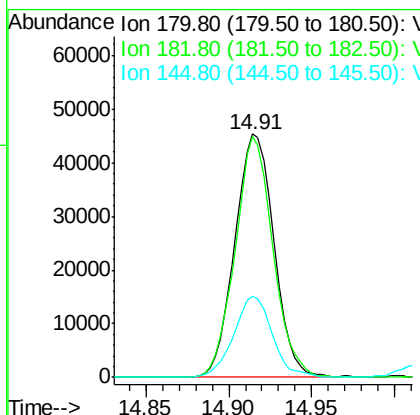
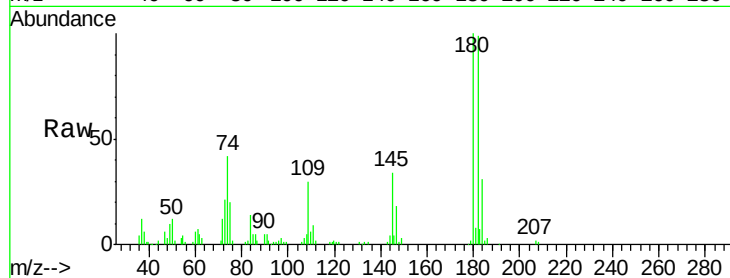
#93
 1,2,4-Trichlorobenzene
 Concen: 20.333 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74602		
182	95.5	47.6	142.9	
145	32.7	16.6	49.7	

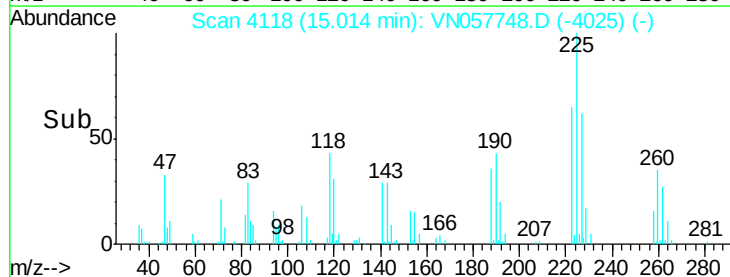
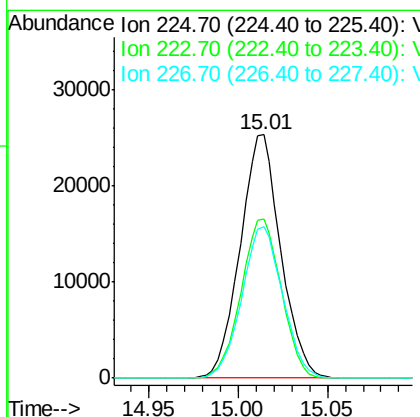
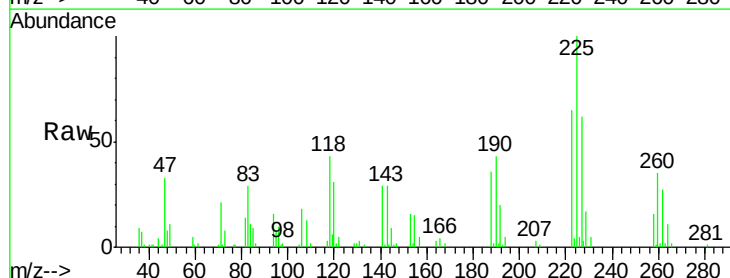
Manual Integrations
 APPROVED

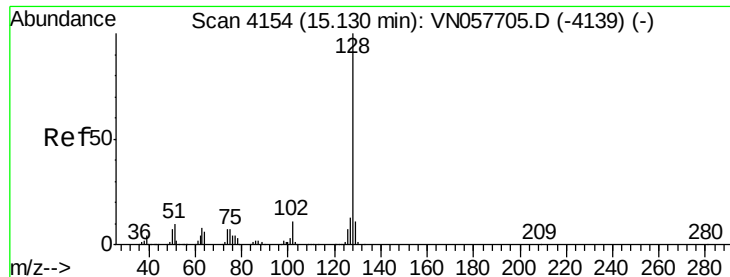
MMDadoda
 9/10/2019 3:03:19 PM



#94
 Hexachlorobutadiene
 Concen: 22.524 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057748.D
 Acq: 7 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40280		
223	64.5	31.6	95.0	
227	62.4	31.7	95.1	





#95

Naphthalene

Concen: 18.861 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Instrument :

MSVOA_N

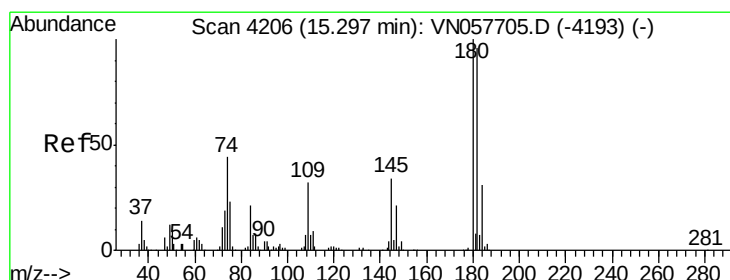
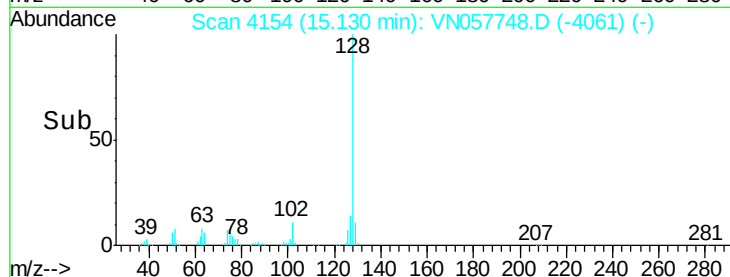
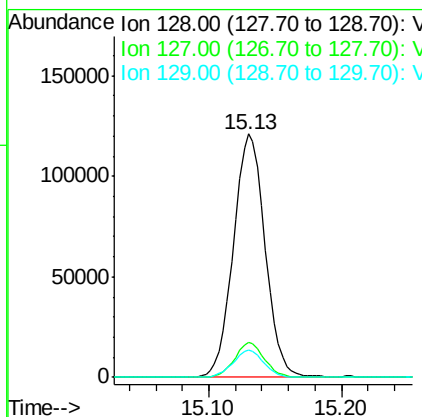
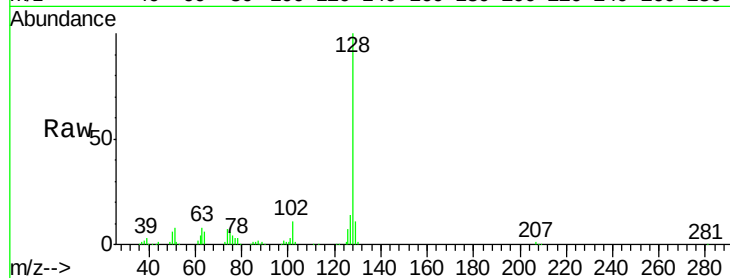
ClientSampleId :

VN0907WBSD01

Tot Ion:	128	Resp:	200762
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.004 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057748.D

Acq: 7 Sep 2019 13:16

Tgt Ion:	180	Resp:	73869
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.2
145	33.4	17.5	52.6

