

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057092.D
 Acq On : 6 Aug 2019 10:51
 Operator : JC/SP
 Sample : VN0806WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:33 AM

Quant Time: Aug 07 03:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	487798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	700078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	608091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	238856	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.58	113	224026	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	813369	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	257318	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	97681	19.808	ug/l	97
3) Chloromethane	2.05	50	103631	17.549	ug/l	100
4) Vinyl Chloride	2.18	62	98018	17.702	ug/l	100
5) Bromomethane	2.54	94	63369	18.409	ug/l	97
6) Chloroethane	2.69	64	55445	18.165	ug/l	98
7) Trichlorofluoromethane	3.00	101	144979	20.003	ug/l	99
8) Diethyl Ether	3.40	74	55092	20.310	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91988	20.470	ug/l	100
10) Methyl Iodide	3.94	142	100185	16.685	ug/l	99
11) Tert butyl alcohol	4.76	59	65190m	96.587	ug/l	
12) 1,1-Dichloroethene	3.72	96	83495	19.473	ug/l	97
13) Acrolein	3.60	56	20065	56.007	ug/l	98
14) Allyl chloride	4.30	41	128428	18.414	ug/l	97
15) Acrylonitrile	4.97	53	197225	99.645	ug/l	100
16) Acetone	3.80	43	183257	101.305	ug/l	100
17) Carbon Disulfide	4.03	76	180477	15.840	ug/l	99
18) Methyl Acetate	4.31	43	117292	20.325	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	265794	20.790	ug/l	96
20) Methylene Chloride	4.54	84	99873	19.167	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	87806	19.282	ug/l	99
22) Diisopropyl ether	5.93	45	285458	19.864	ug/l	97
23) Vinyl Acetate	5.88	43	972432	97.666	ug/l	98
24) 1,1-Dichloroethane	5.83	63	170408	20.098	ug/l	98
25) 2-Butanone	6.82	43	252382	98.390	ug/l	97
26) 2,2-Dichloropropane	6.81	77	129448	20.079	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	106816	19.832	ug/l	99
28) Bromochloromethane	7.18	49	73353	18.406	ug/l	98
29) Tetrahydrofuran	7.20	42	160901	96.141	ug/l	98
30) Chloroform	7.36	83	171686	19.805	ug/l	99
31) Cyclohexane	7.64	56	144571	17.620	ug/l	# 92
32) 1,1,1-Trichloroethane	7.56	97	139919	20.229	ug/l	99
36) 1,1-Dichloropropene	7.78	75	121332	19.696	ug/l	99
37) Ethyl Acetate	6.91	43	98701	20.005	ug/l	99
38) Carbon Tetrachloride	7.76	117	121857	20.913	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	146534	18.612	ug/l	99
40) Benzene	8.03	78	379137	19.982	ug/l	97
41) Methacrylonitrile	7.16	41	47781	20.949	ug/l	93
42) 1,2-Dichloroethane	8.11	62	124617	20.956	ug/l	98
43) Isopropyl Acetate	8.15	43	162457	19.922	ug/l	98
44) Trichloroethene	8.83	130	105955	20.270	ug/l	98
45) 1,2-Dichloropropane	9.11	63	99913	19.687	ug/l	99
46) Dibromomethane	9.20	93	64975	21.230	ug/l	97
47) Bromodichloromethane	9.39	83	128306	21.322	ug/l	99
48) Methyl methacrylate	9.19	41	79619	20.223	ug/l	98
49) 1,4-Dioxane	9.19	88	33971	418.700	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	488461	100.813	ug/l	100
52) Toluene	10.15	92	236578	20.753	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	130689	20.929	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	149484	20.589	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94677	20.710	ug/l	98
56) Ethyl methacrylate	10.42	69	129322	19.833	ug/l	99
57) 1,3-Dichloropropane	10.70	76	155452	20.506	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	202637	73.968	ug/l	99
59) 2-Hexanone	10.74	43	343357	93.601	ug/l	98
60) Dibromochloromethane	10.90	129	101681	21.710	ug/l	99
61) 1,2-Dibromoethane	11.00	107	94088	21.090	ug/l	99
64) Tetrachloroethene	10.63	164	108552	20.715	ug/l	96
65) Chlorobenzene	11.43	112	255588	20.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	101551	21.770	ug/l	98
67) Ethyl Benzene	11.51	91	437728	20.435	ug/l	100
68) m/p-Xylenes	11.62	106	329040	41.623	ug/l	100
69) o-Xylene	11.94	106	163331	21.118	ug/l	98
70) Styrene	11.96	104	260102	20.183	ug/l	99
71) Bromoform	12.12	173	69448	21.324	ug/l #	99
73) Isopropylbenzene	12.25	105	436744	21.816	ug/l	99
74) N-amyl acetate	12.07	43	123221	21.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120475	22.398	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105090m	22.339	ug/l	
77) Bromobenzene	12.52	156	113621	21.746	ug/l	99
78) n-propylbenzene	12.59	91	453825	21.231	ug/l	99
79) 2-Chlorotoluene	12.67	91	280699	21.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	366031	22.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31867	21.765	ug/l	96
82) 4-Chlorotoluene	12.77	91	263389	21.383	ug/l	99
83) tert-Butylbenzene	12.99	119	329884	22.680	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	346699	21.929	ug/l	100
85) sec-Butylbenzene	13.17	105	405753	21.627	ug/l	99
86) p-Isopropyltoluene	13.29	119	359537	21.585	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	163756	20.604	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	156969	20.516	ug/l	100
89) n-Butylbenzene	13.61	91	257374	20.049	ug/l	99
90) Hexachloroethane	13.87	117	63652	22.193	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	163943	20.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16247	20.404	ug/l	98

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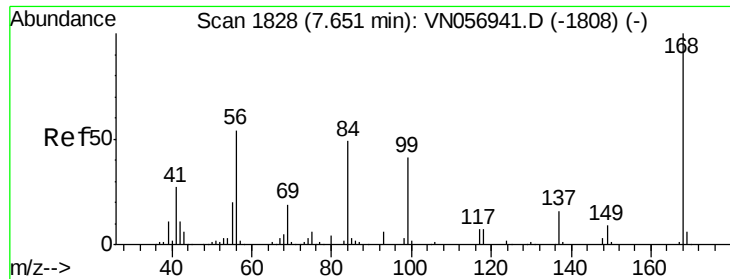
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56877	16.042	ug/l	96
94) Hexachlorobutadiene	15.00	225	69103	23.533	ug/l	100
95) Naphthalene	15.12	128	133428	16.172	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	64894	17.311	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion:168 Resp: 487798

Ion Ratio Lower Upper

168 100

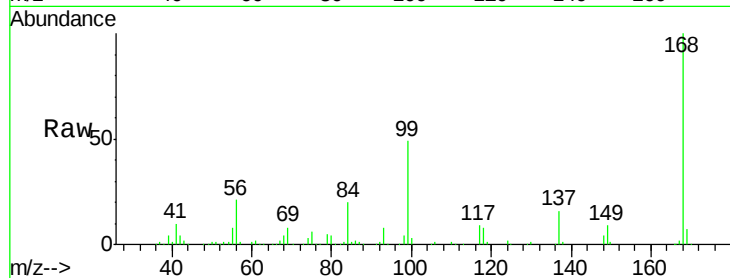
99 49.0 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

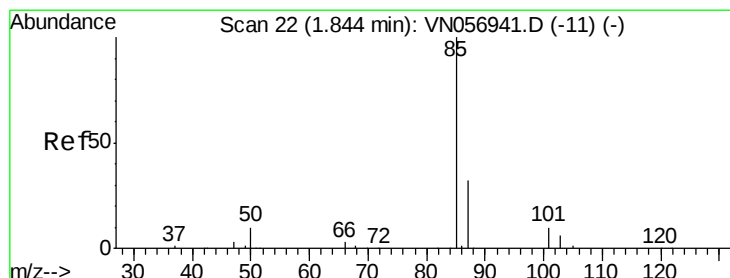
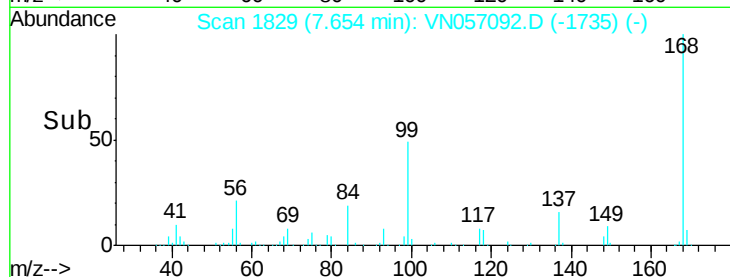
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.808 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057092.D

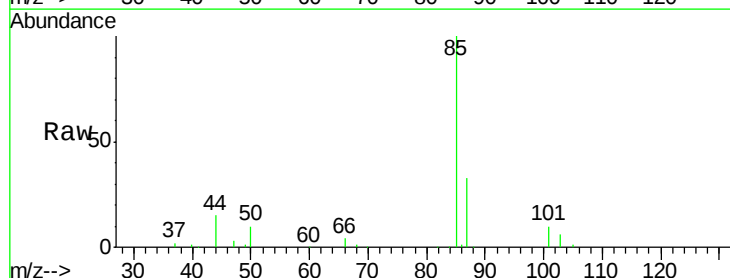
Acq: 6 Aug 2019 10:51

Tgt Ion: 85 Resp: 97681

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

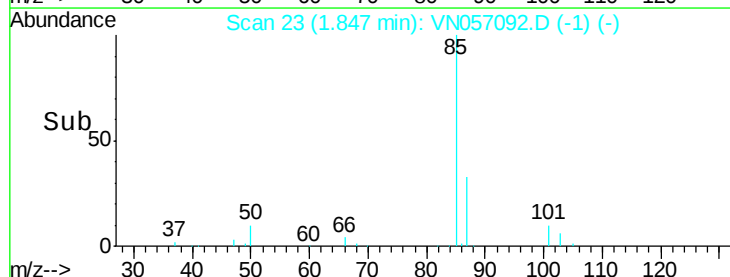
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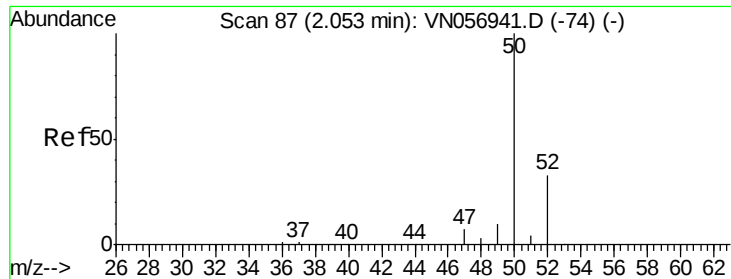
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.549 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 50 Resp: 103631

Ion Ratio Lower Upper

50 100

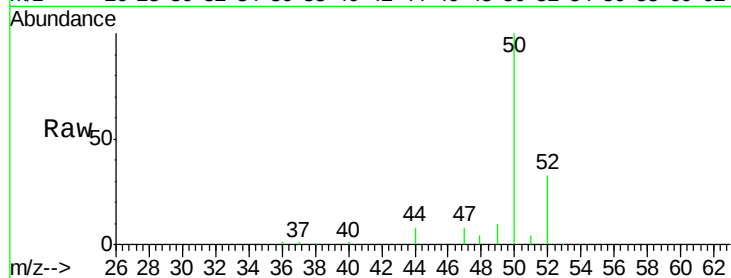
52 32.9 26.2 39.2

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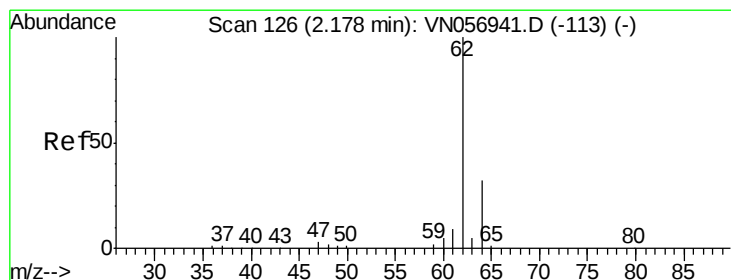
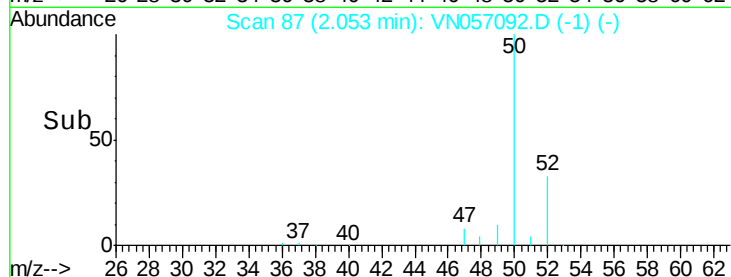
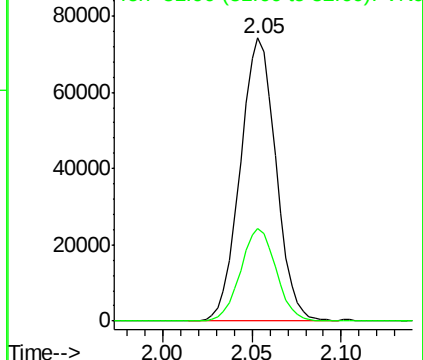
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.702 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057092.D

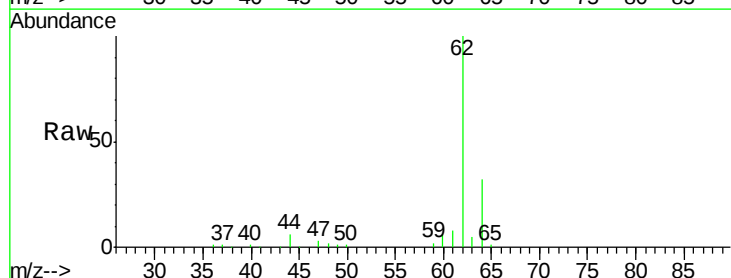
Acq: 6 Aug 2019 10:51

Tgt Ion: 62 Resp: 98018

Ion Ratio Lower Upper

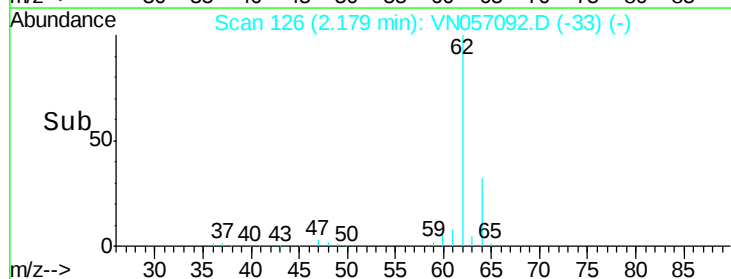
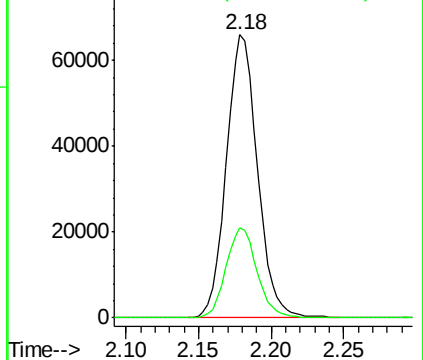
62 100

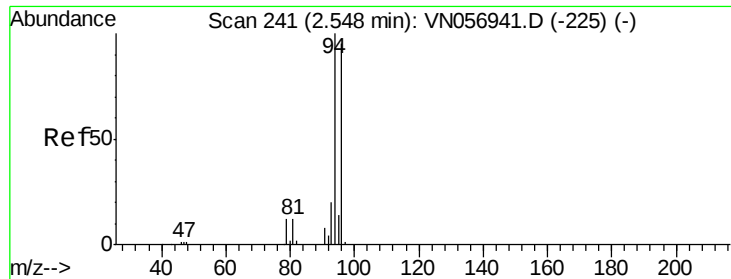
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.409 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 94 Resp: 63369

Ion Ratio Lower Upper

94 100

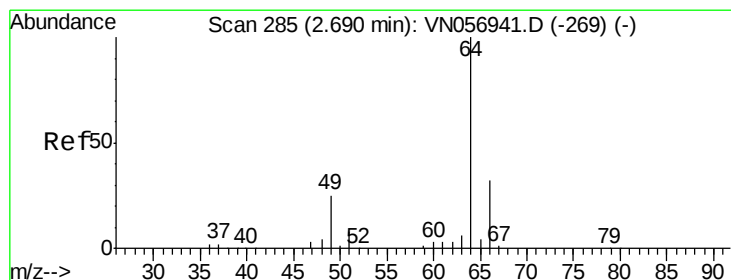
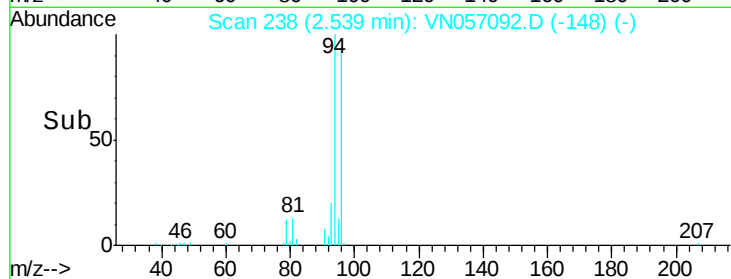
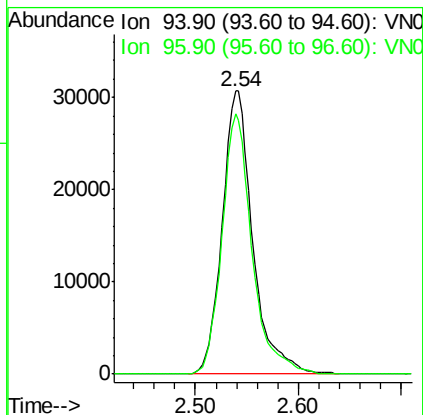
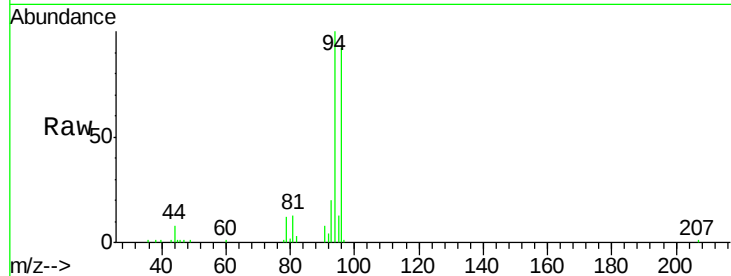
96 91.9 76.2 114.2

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#6

Chloroethane

Concen: 18.165 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057092.D

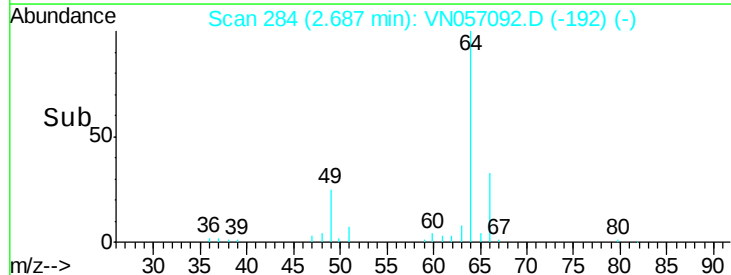
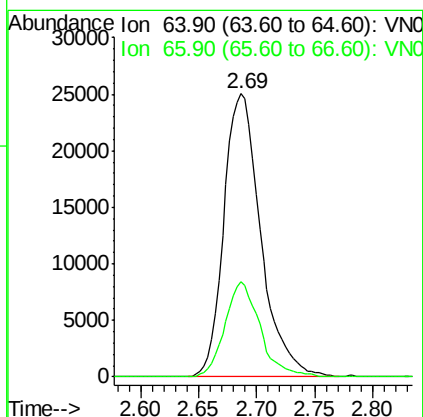
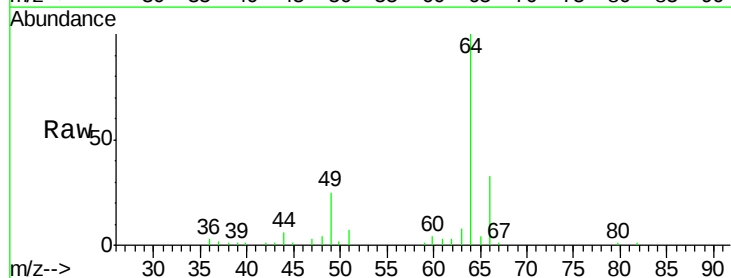
Acq: 6 Aug 2019 10:51

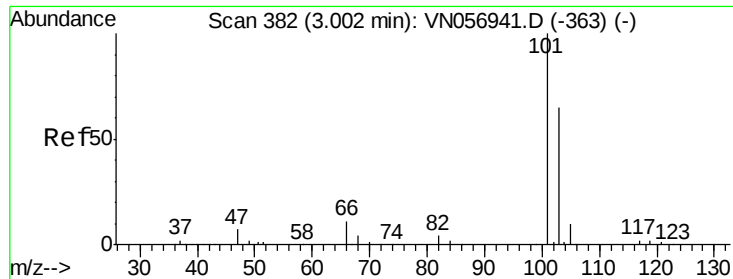
Tgt Ion: 64 Resp: 55445

Ion Ratio Lower Upper

64 100

66 33.4 25.8 38.8





#7

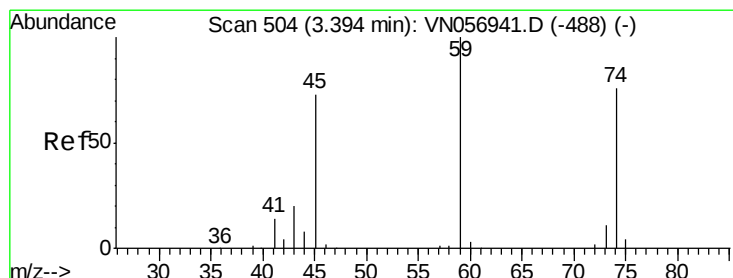
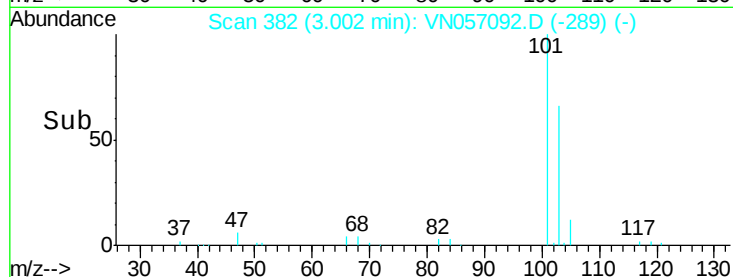
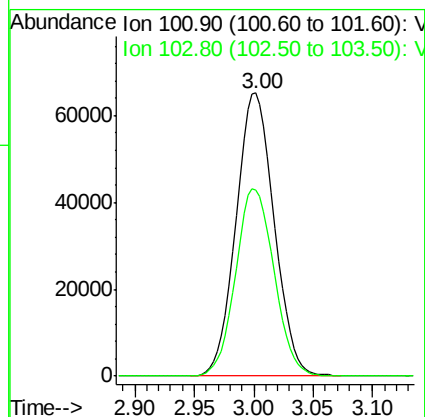
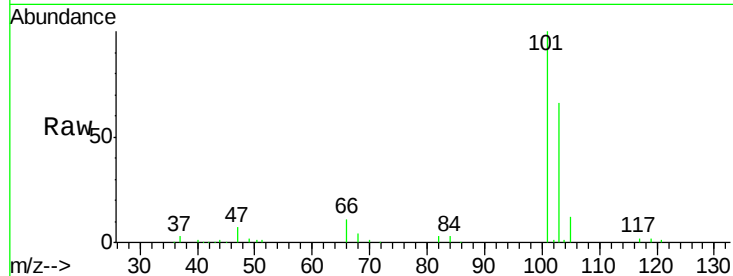
Trichlorofluoromethane
Concen: 20.003 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion:101 Resp: 144979
Ion Ratio Lower Upper
101 100
103 65.8 52.1 78.1

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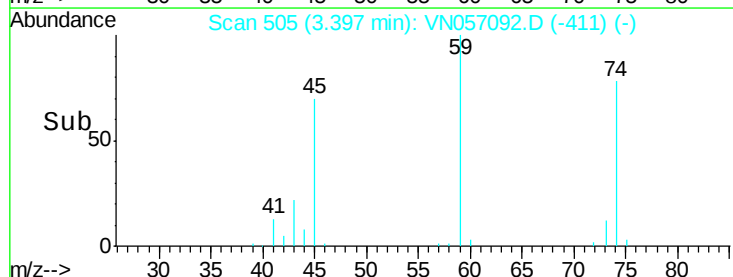
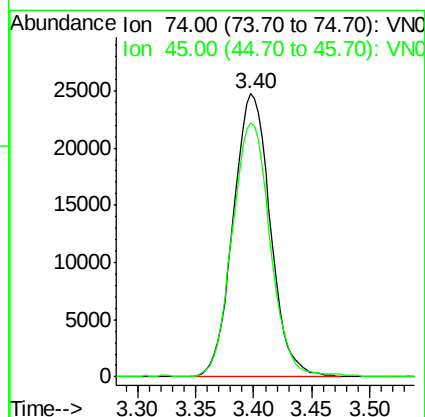
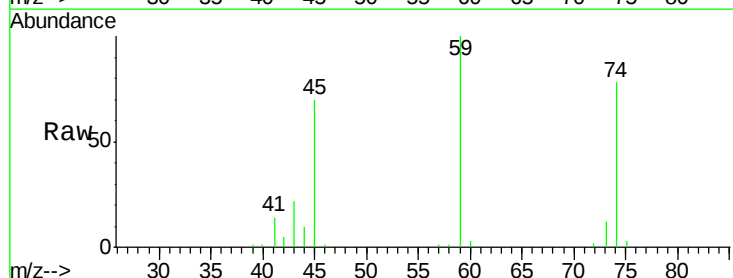
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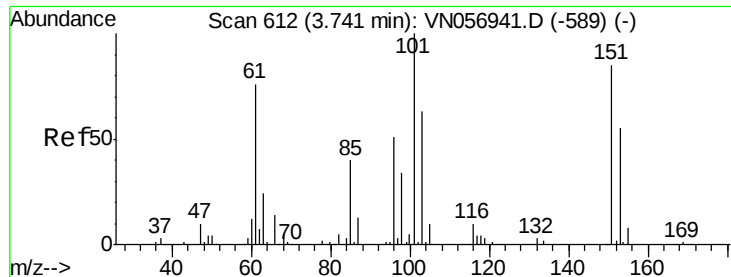


#8

Diethyl Ether
Concen: 20.310 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion: 74 Resp: 55092
Ion Ratio Lower Upper
74 100
45 92.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.470 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

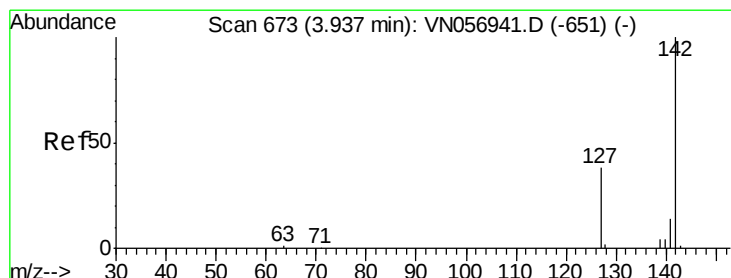
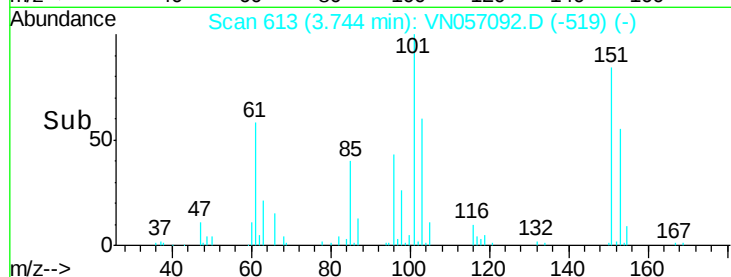
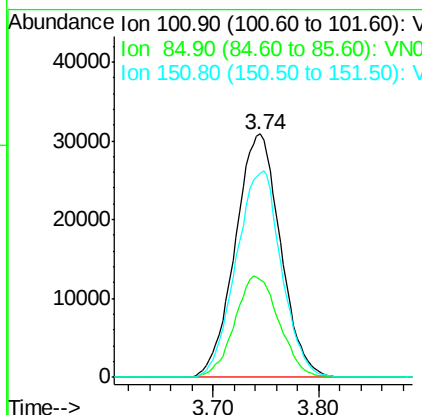
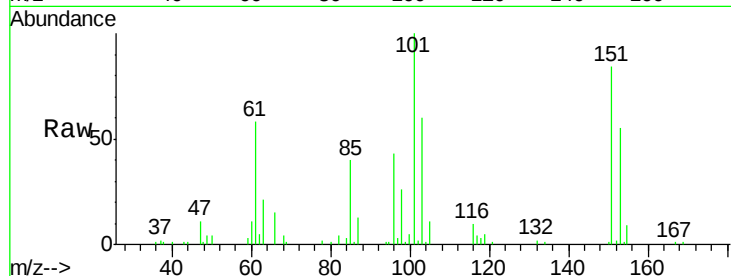
ClientSampleId :

VN0806WBS01

Tot Ion:	101	Resp:	91988
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.3	48.5
151	85.0	68.0	102.0

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MMdadoda
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#10

Methyl Iodide

Concen: 16.685 ug/l

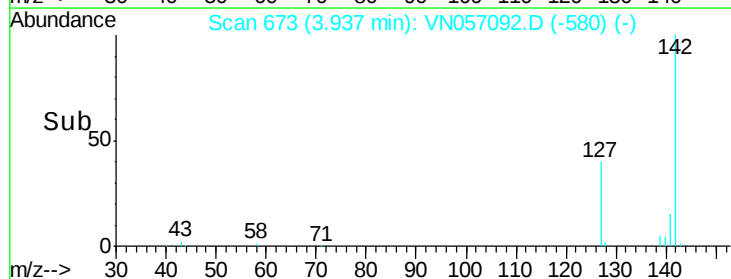
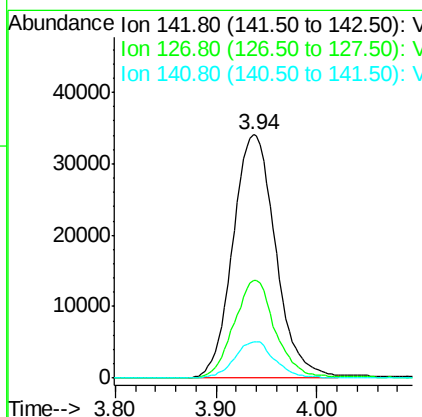
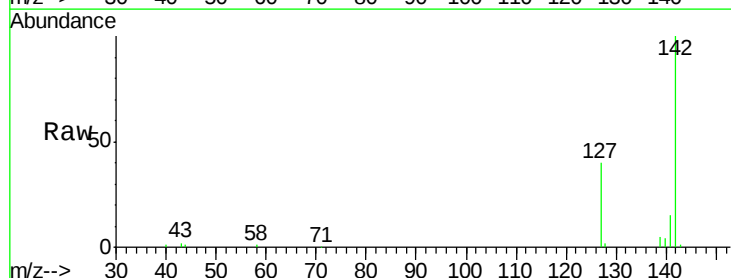
RT: 3.94 min Scan# 673

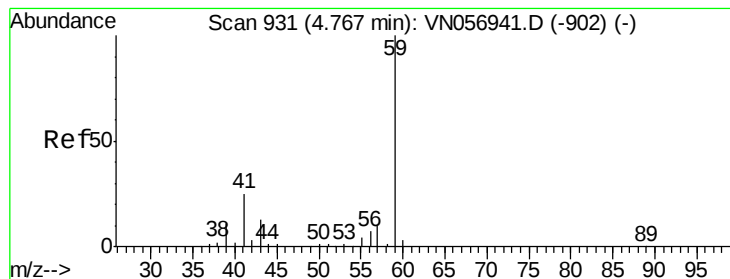
Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	142	Resp:	100185
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.4	45.6
141	14.1	11.1	16.7





#11

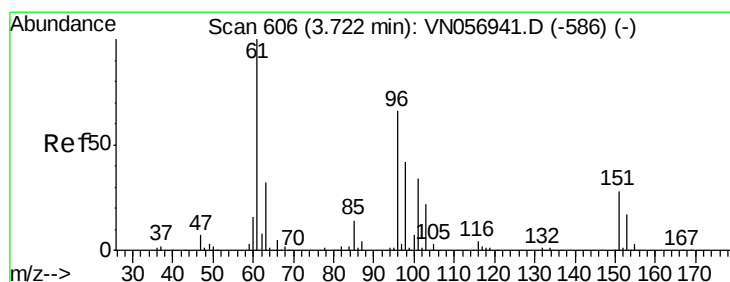
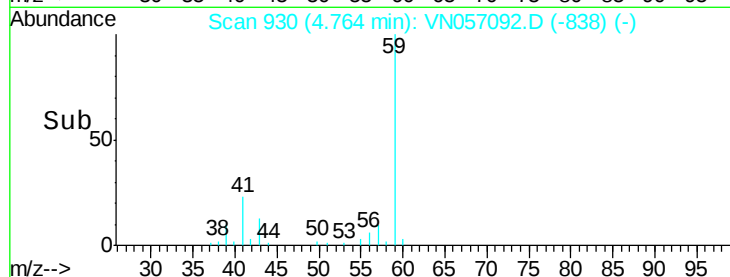
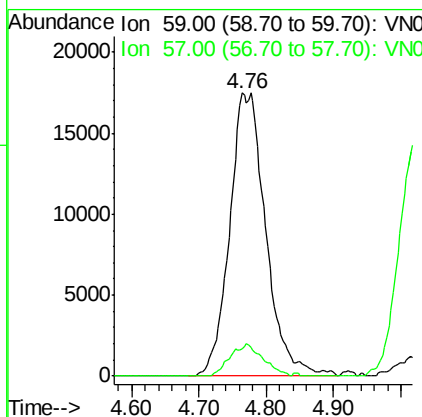
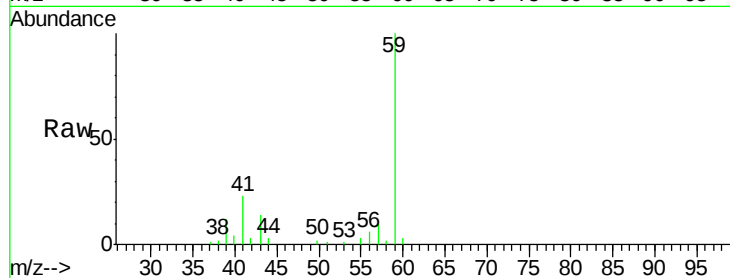
Tert butyl alcohol
 Concen: 96.587 ug/l m
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.5	11.3

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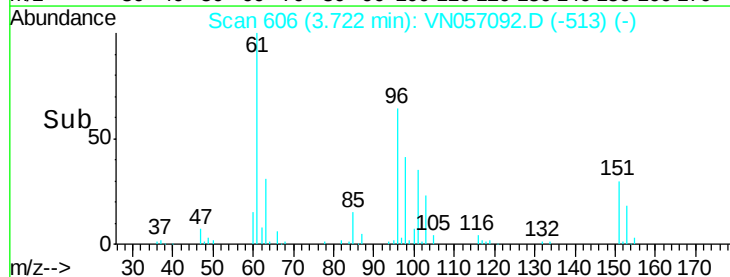
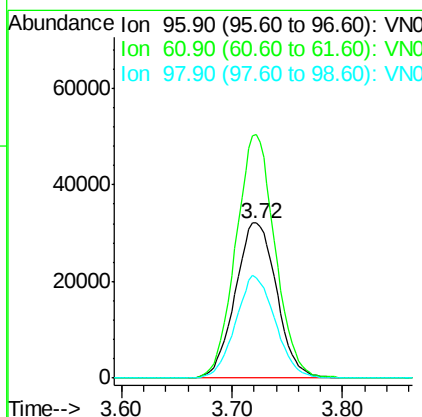
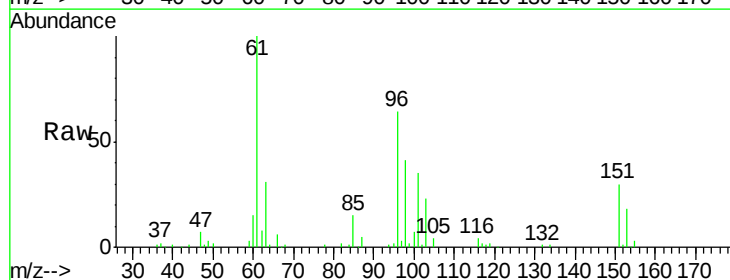
MMdadoda
 8/9/2019 12:51:33 AM

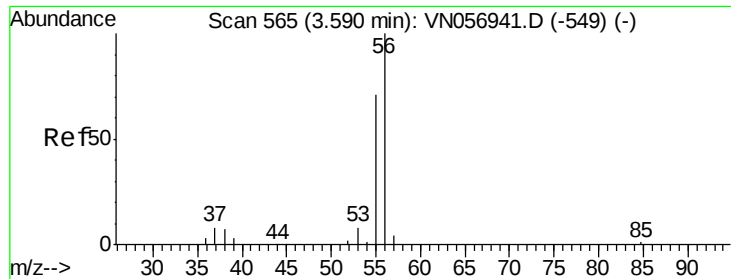


#12

1,1-Dichloroethene
 Concen: 19.473 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	121.8	182.8
98	64.7	51.7	77.5





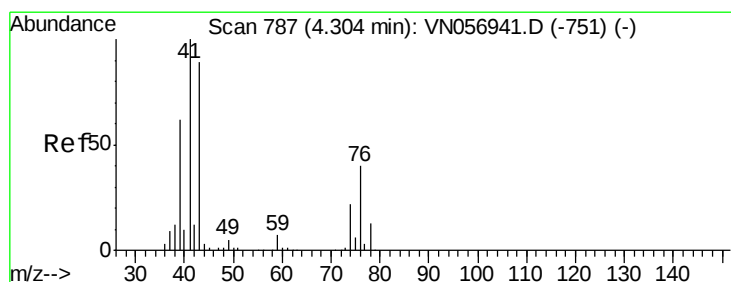
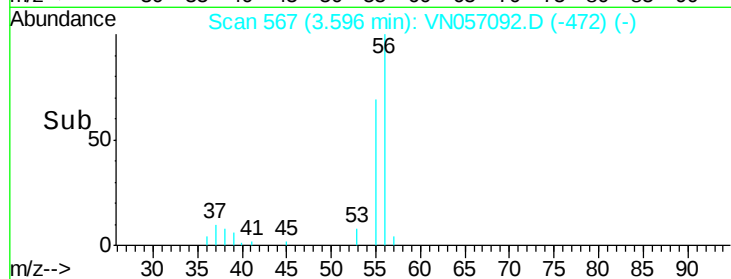
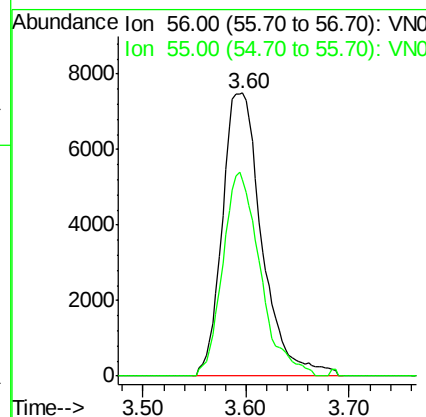
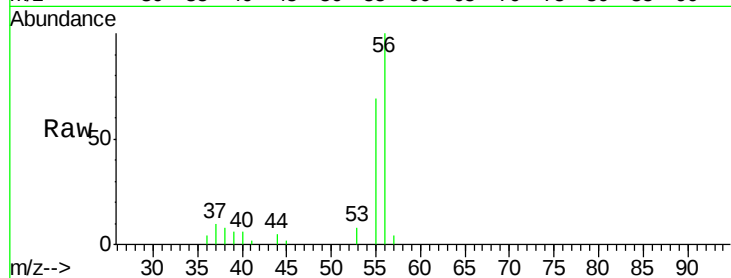
#13
Acrolein
Concen: 56.007 ug/l
RT: 3.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	56	Resp	20065
Ion Ratio	100	Lower	Upper
55	68.0	55.8	83.6

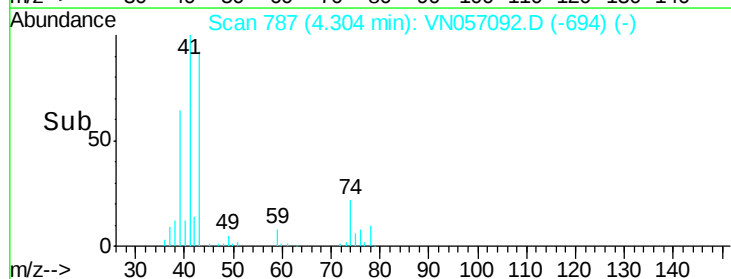
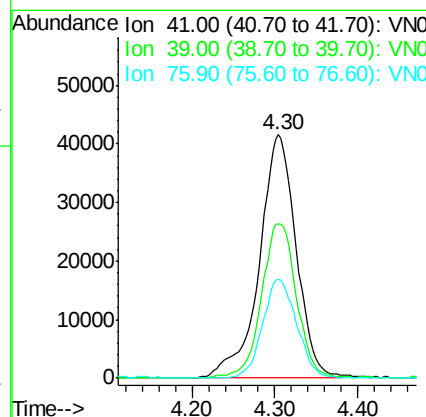
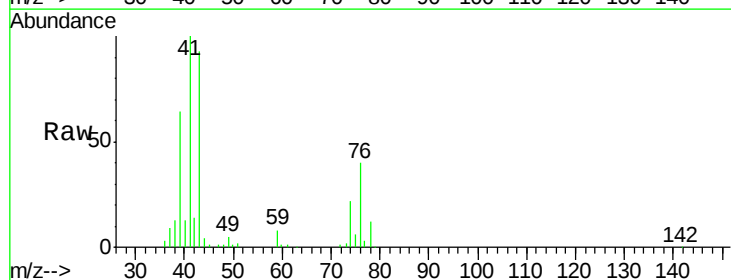
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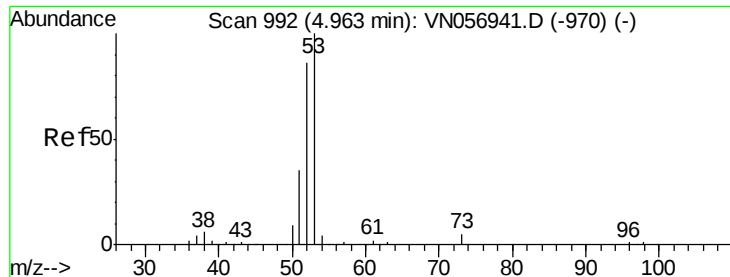
MMdadoda
8/9/2019 12:51:33 AM



#14
Allyl chloride
Concen: 18.414 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	41	Resp	128428
Ion Ratio	100	Lower	Upper
39	60.3	46.4	69.6
76	37.4	28.4	42.6





#15

Acrylonitrile

Concen: 99.645 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

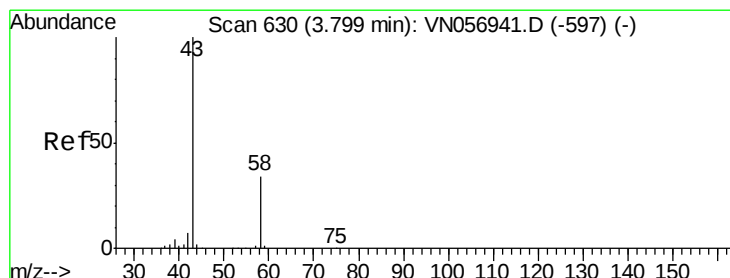
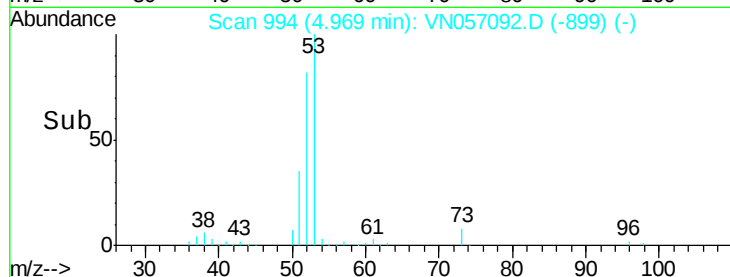
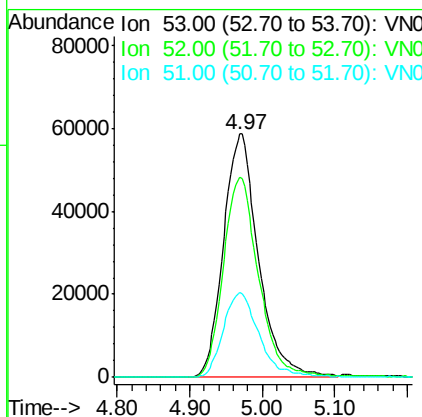
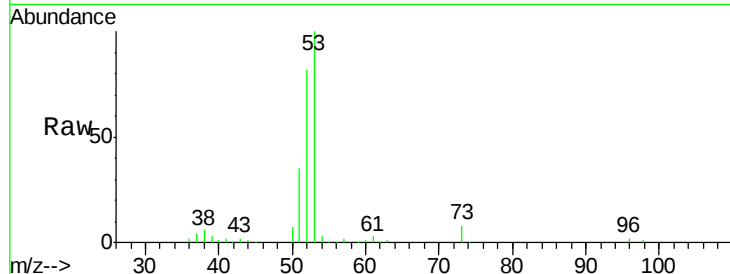
ClientSampleId :

VN0806WBS01

Tot Ion:	53	Resp:	197225
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 101.305 ug/l

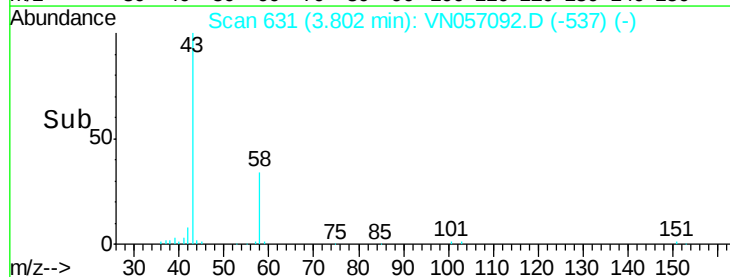
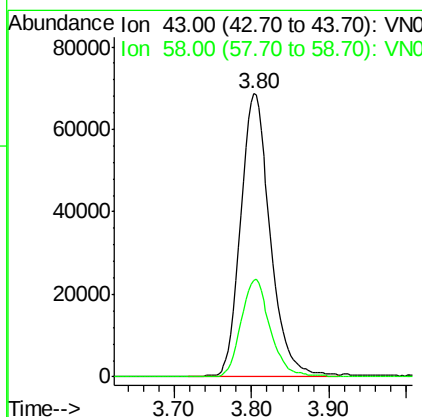
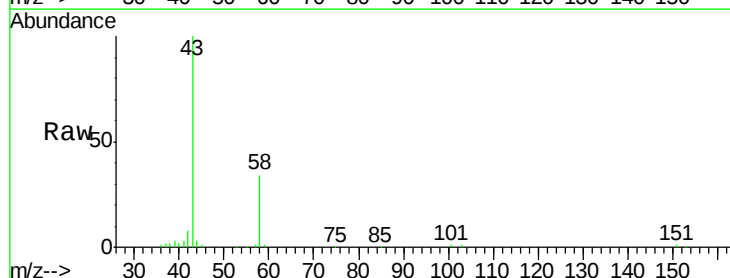
RT: 3.80 min Scan# 631

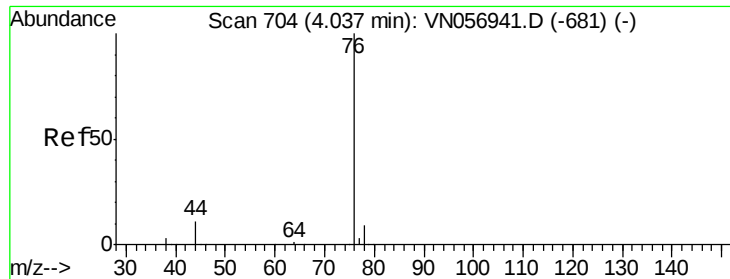
Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	43	Resp:	183257
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.2	40.8





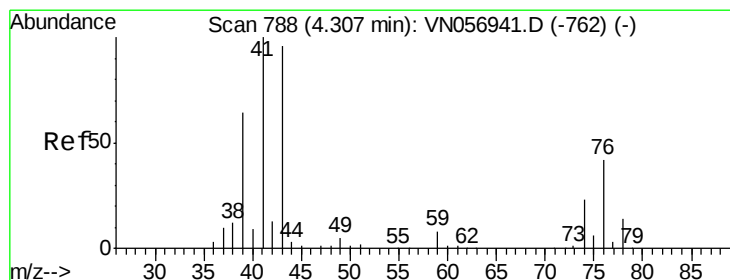
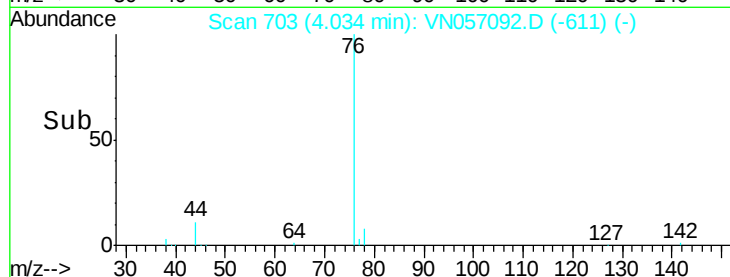
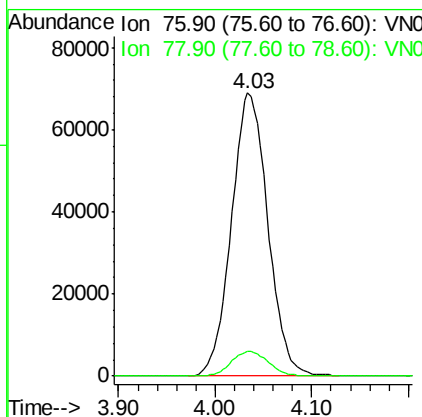
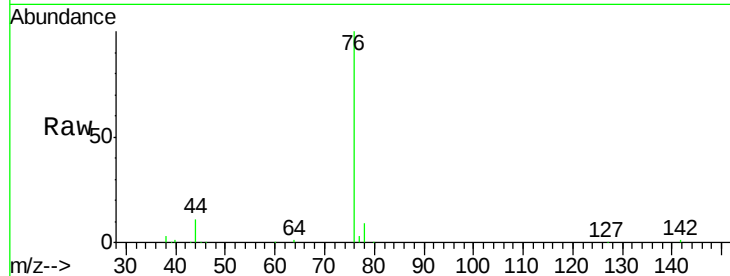
#17
Carbon Disulfide
Concen: 15.840 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

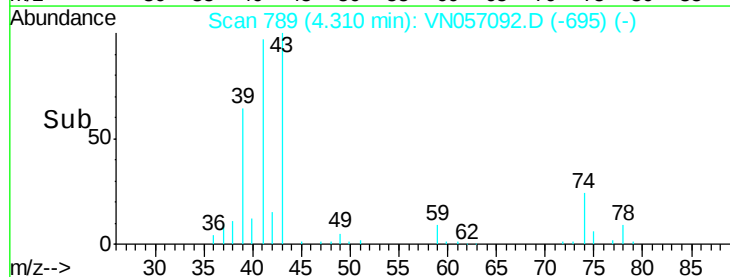
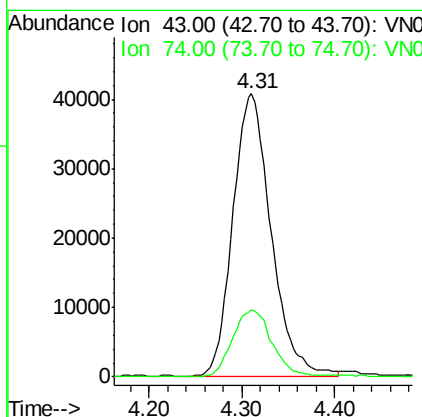
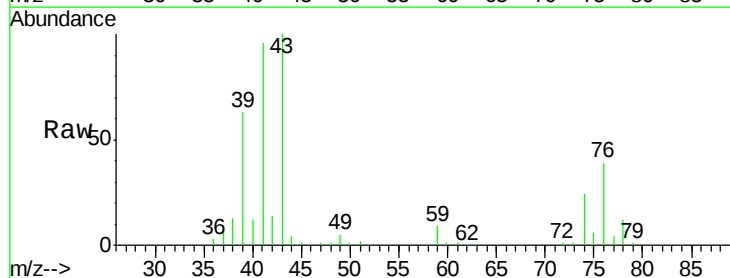
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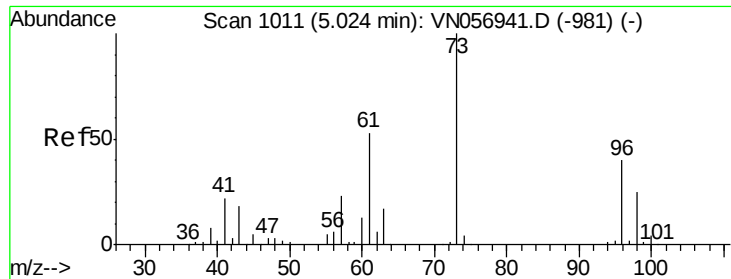
MMDadoda
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#18
Methyl Acetate
Concen: 20.325 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.7	29.5





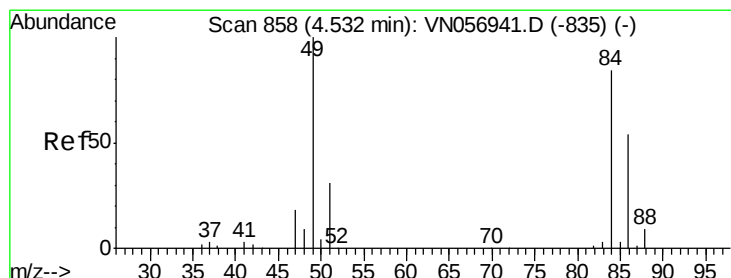
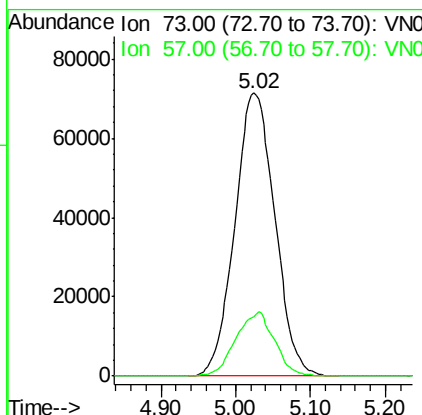
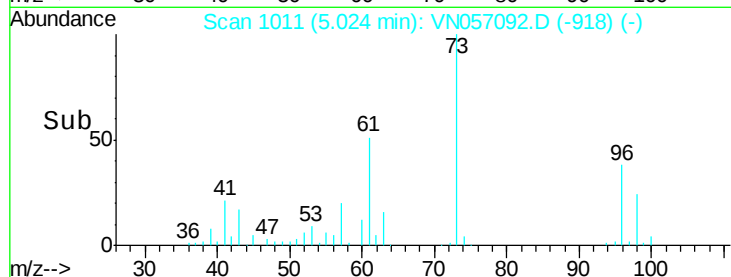
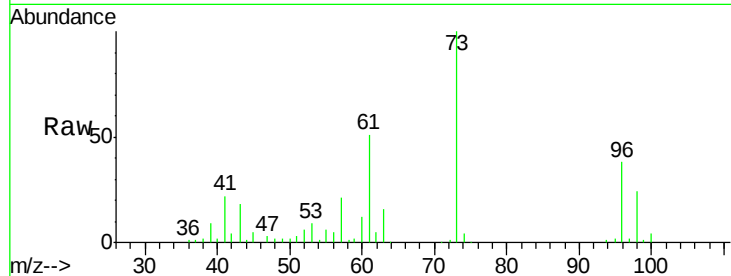
#19
Methvl tert-butvl Ether
Concen: 20.790 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 73 Resp: 265794
Ion Ratio Lower Upper
73 100
57 20.8 18.3 27.5

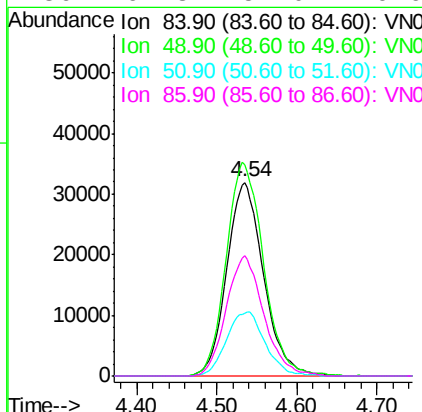
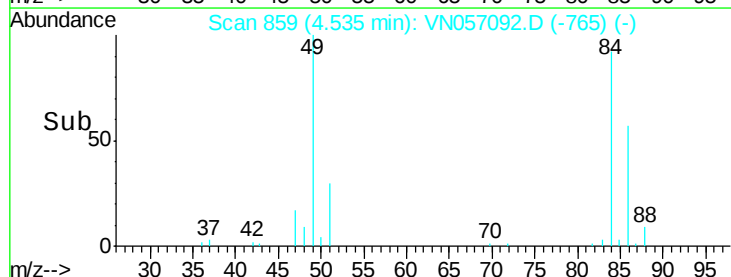
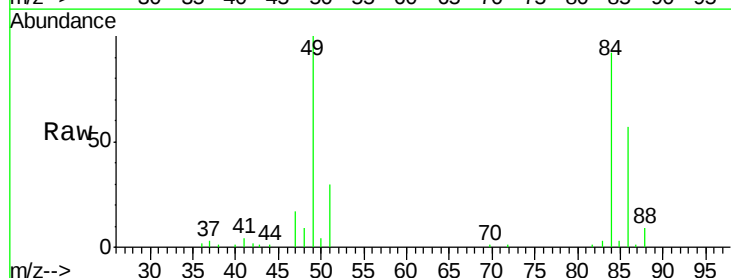
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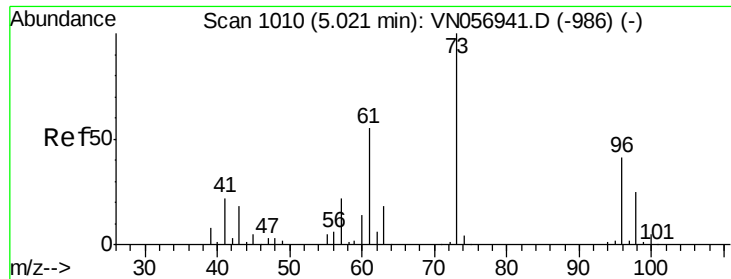
MMdadoda
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#20
Methylene Chloride
Concen: 19.167 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion: 84 Resp: 99873
Ion Ratio Lower Upper
84 100
49 109.2 95.2 142.8
51 32.3 29.7 44.5
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.282 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

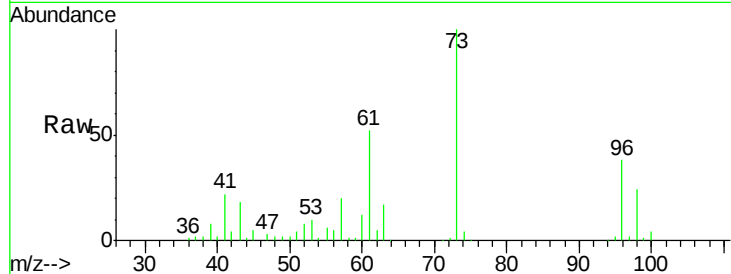
ClientSampleId :

VN0806WBS01

Tot Ion:	96	Resp:	87806
Ion	Ratio	Lower	Upper
96	100		
61	134.9	107.5	161.3
98	63.4	49.9	74.9

Manual Integrations
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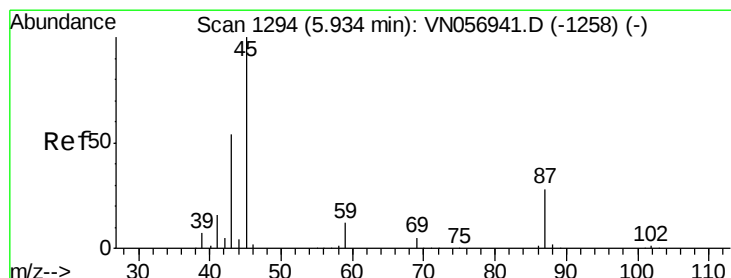
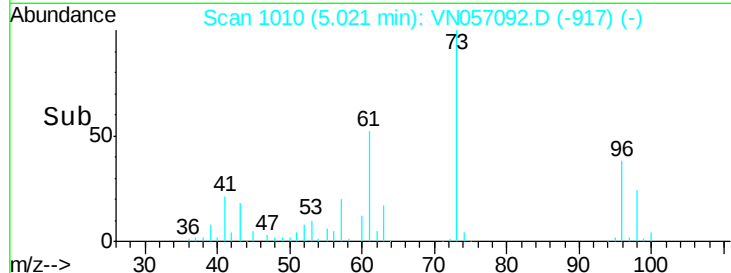
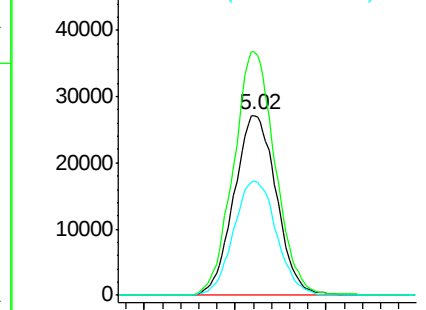


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 19.864 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	45	Resp:	285458
Ion	Ratio	Lower	Upper
45	100		
43	58.1	44.7	67.1
87	30.2	23.0	34.6
59	12.2	9.8	14.8

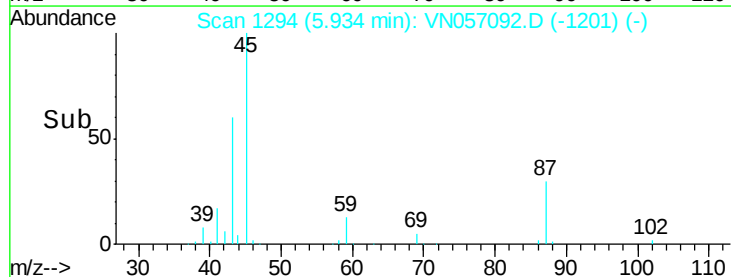
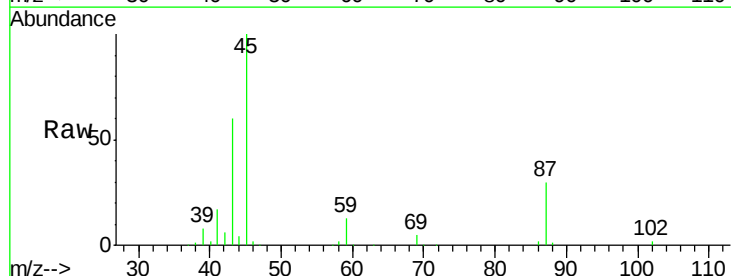
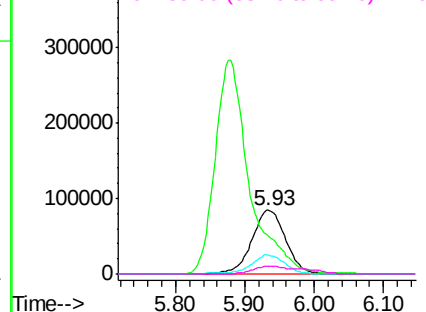
Abundance

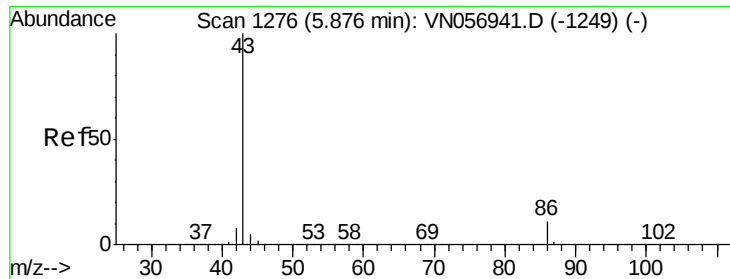
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





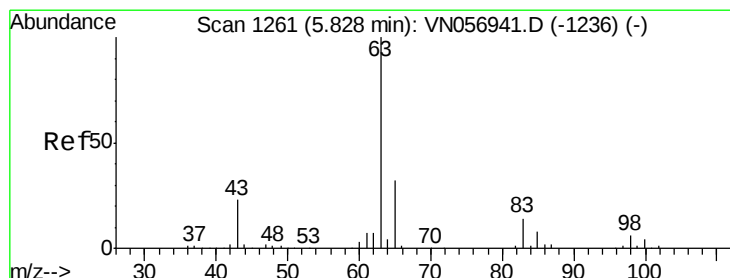
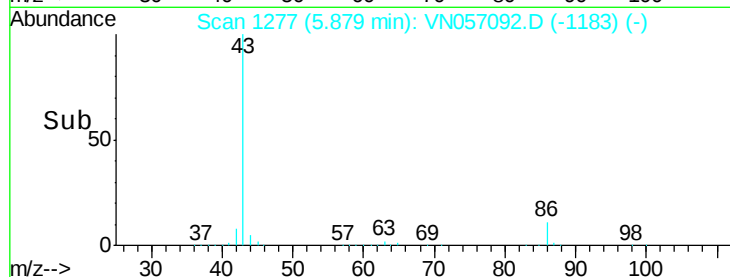
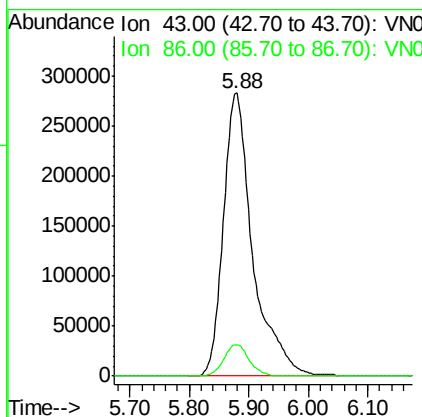
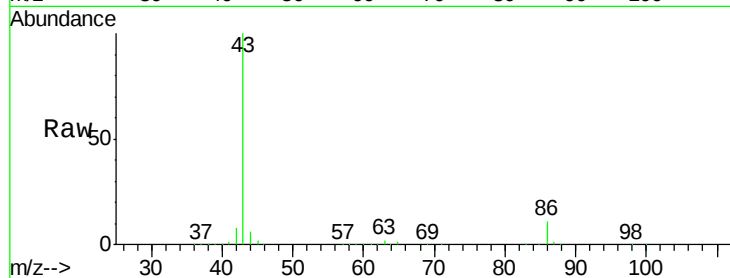
#23
 Vinyl Acetate
 Concen: 97.666 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	43	Resp	972432
Ion Ratio	Lower	Upper	
43	100		
86	11.2	8.5	12.7

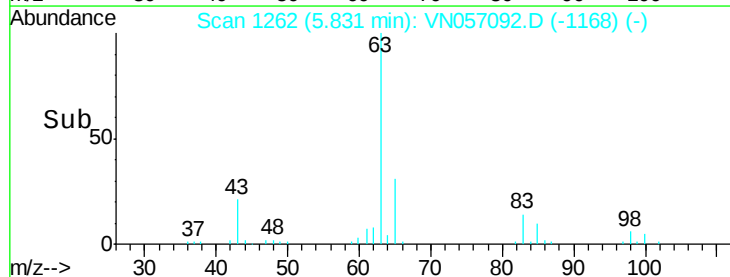
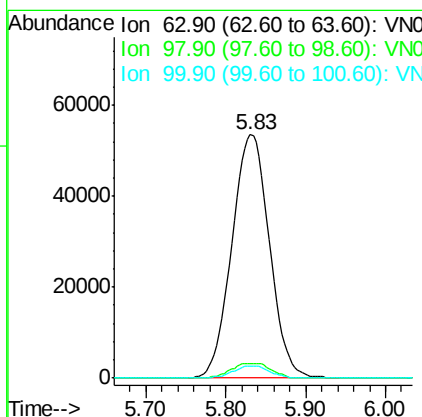
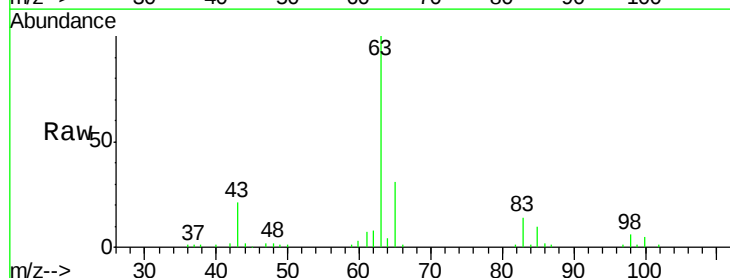
Manual Integrations
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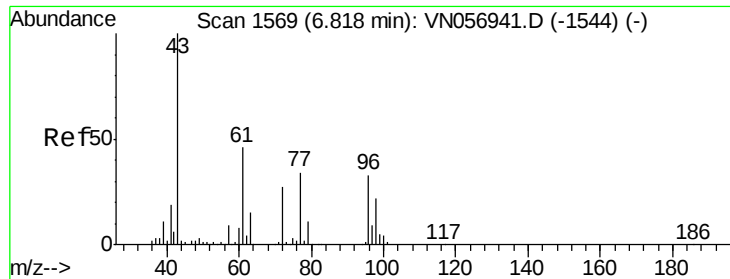
MMdadoda
 8/9/2019 12:51:33 AM



#24
 1,1-Dichloroethane
 Concen: 20.098 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	63	Resp	170408
Ion Ratio	Lower	Upper	
63	100		
98	5.9	3.2	9.6
100	4.7	2.1	6.3





#25

2-Butanone

Concen: 98.390 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 43 Resp: 252382

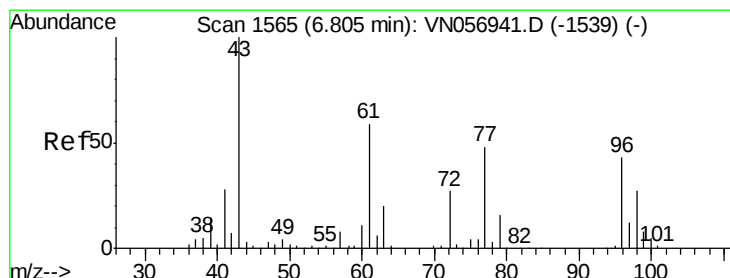
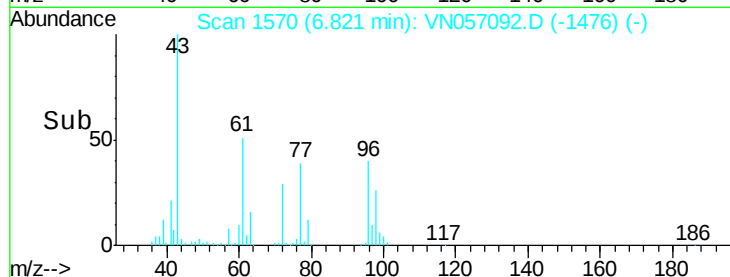
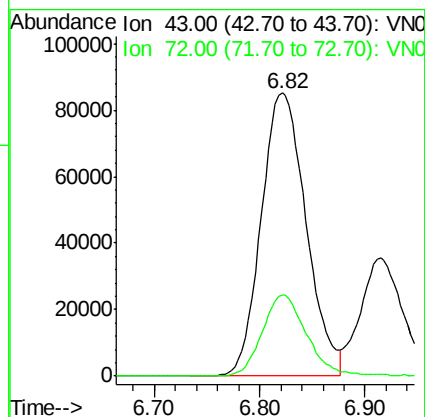
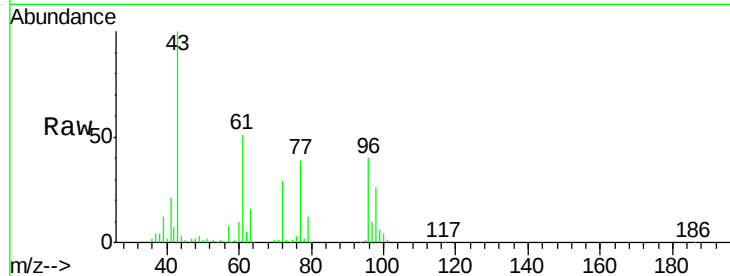
Ion Ratio Lower Upper

43 100

72 28.7 21.5 32.3

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:33 AM



#26

2,2-Dichloropropane

Concen: 20.079 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057092.D

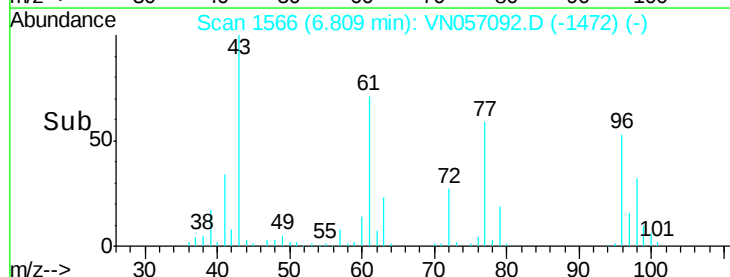
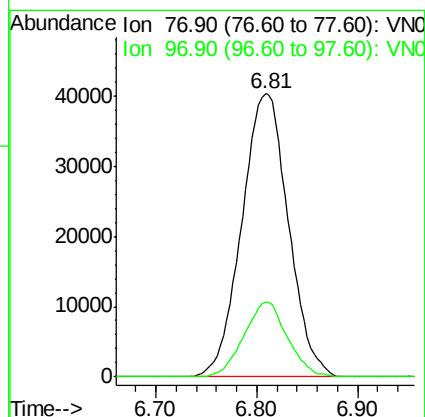
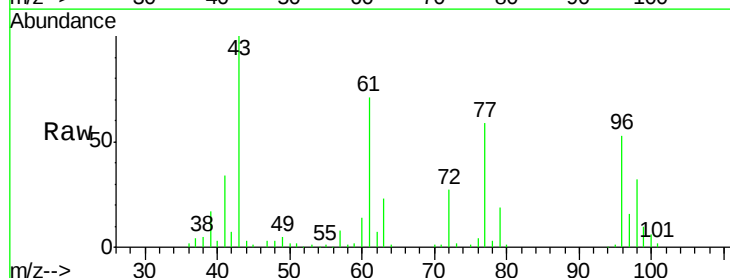
Acq: 6 Aug 2019 10:51

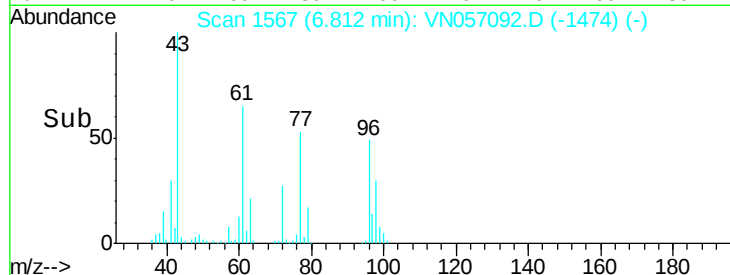
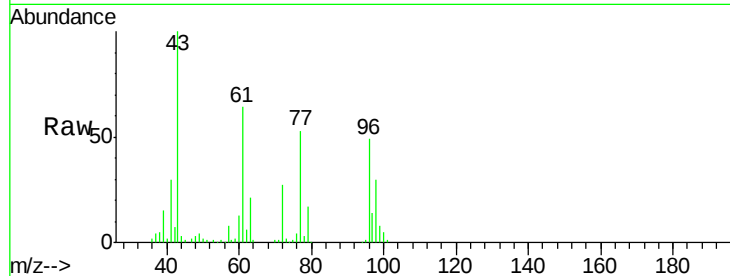
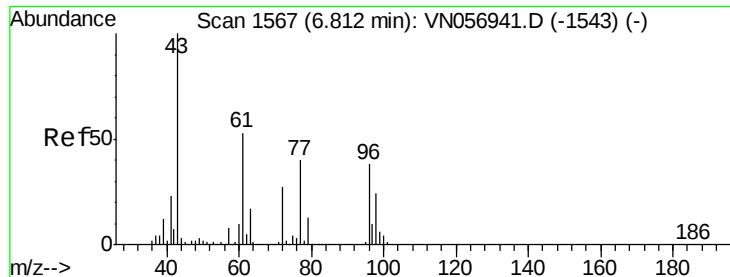
Tgt Ion: 77 Resp: 129448

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





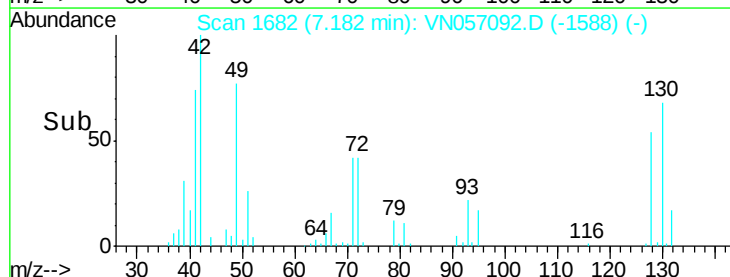
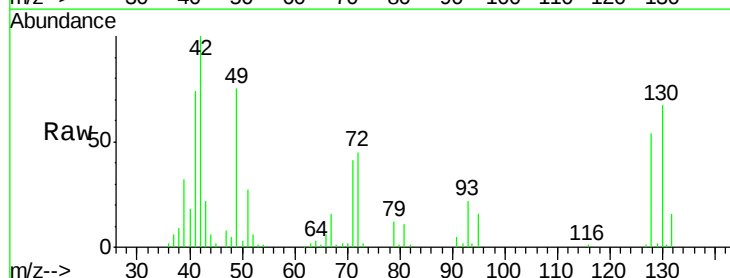
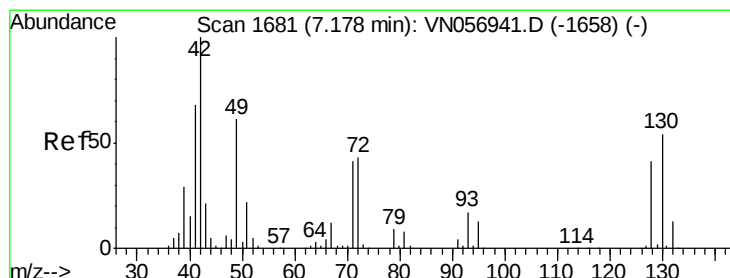
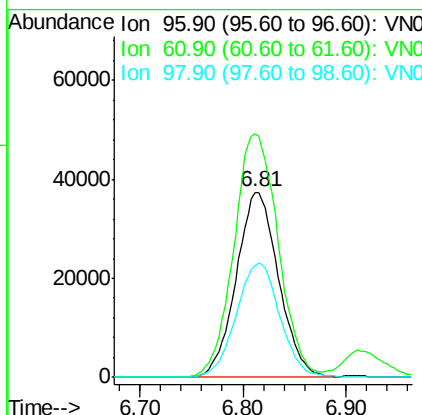
#27
 cis-1,2-Dichloroethene
 Concen: 19.832 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.6	0.0	277.2	
98	63.7	0.0	128.4	

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

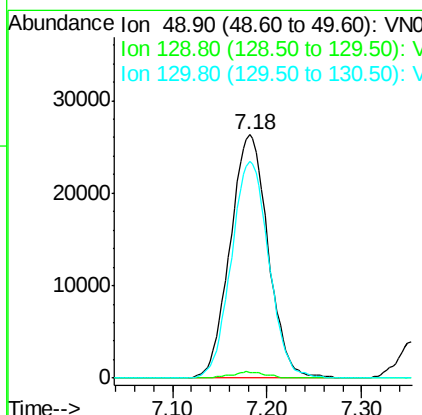
Manual Integrations
 APPROVED

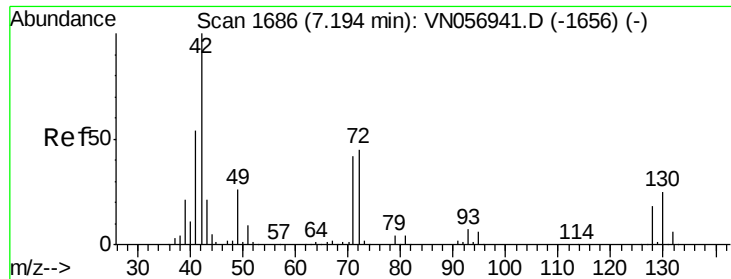
MMdadoda
 8/9/2019 12:51:33 AM



#28
 Bromochloromethane
 Concen: 18.406 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	88.1	69.0	103.4	





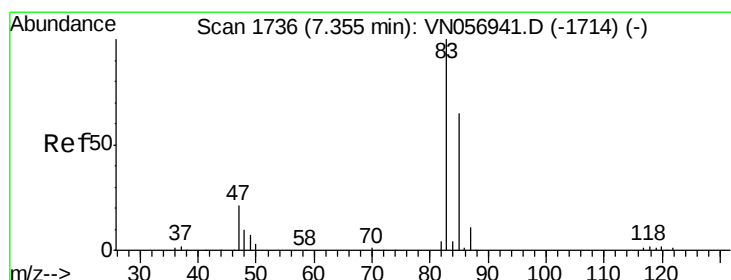
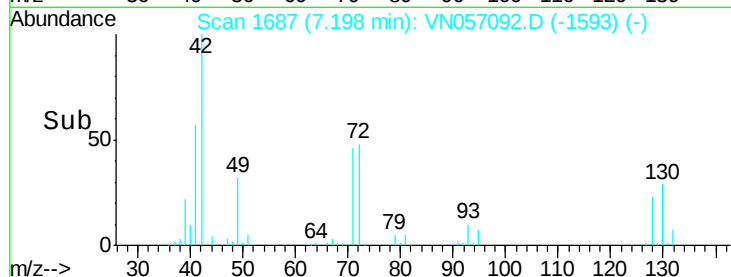
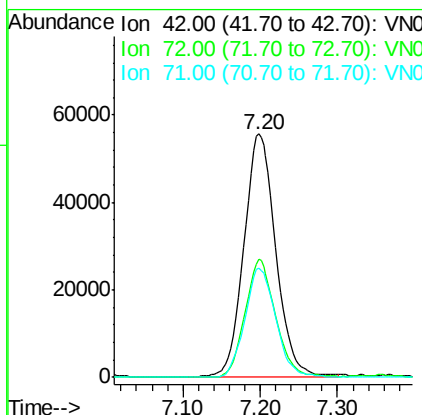
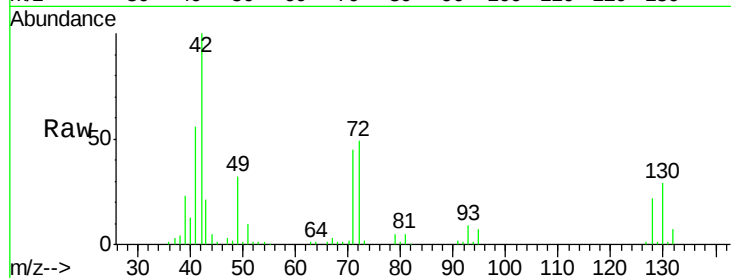
#29
Tetrahydrofuran
Concen: 96.141 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.6	53.4
71	43.2	33.5	50.3

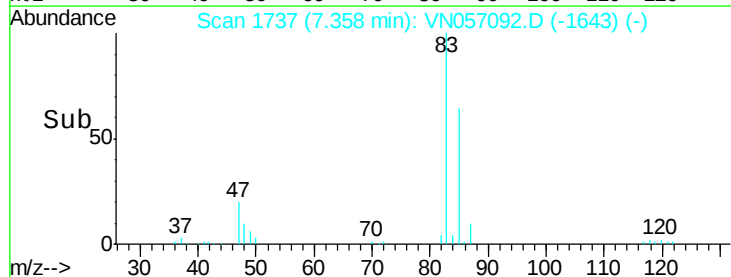
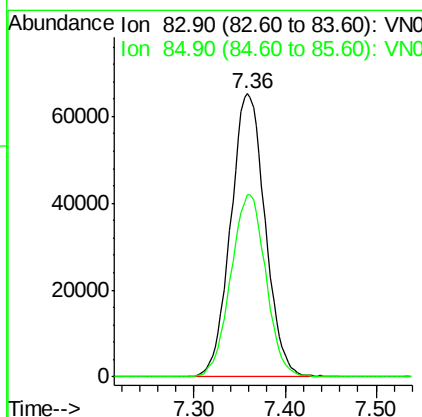
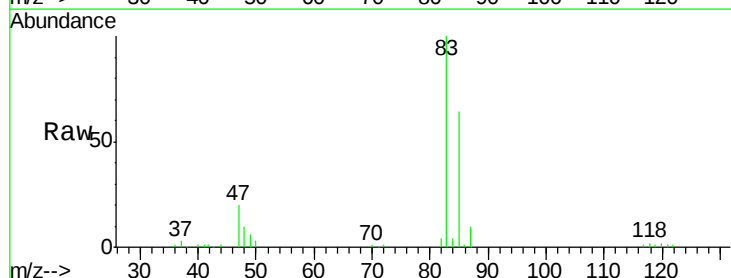
Manual Integrations
APPROVED

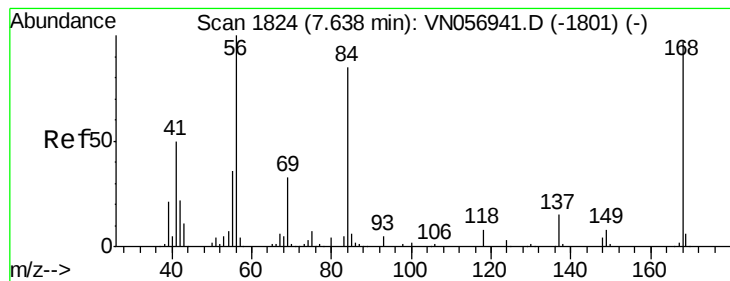
MMdadoda
8/9/2019 12:51:33 AM



#30
Chloroform
Concen: 19.805 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2





#31

Cyclohexane

Concen: 17.620 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 56 Resp: 144571

Ion Ratio Lower Upper

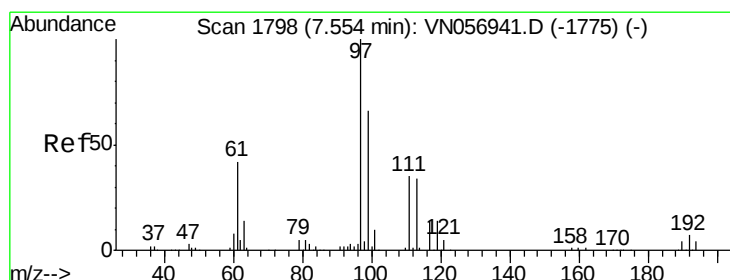
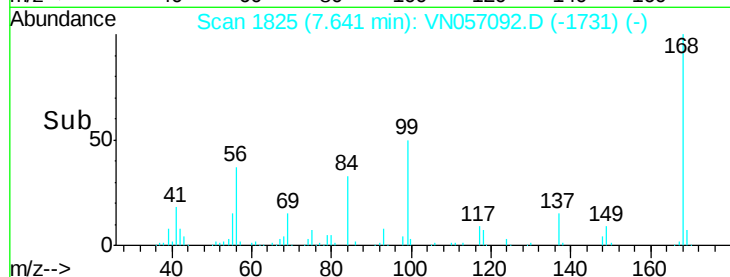
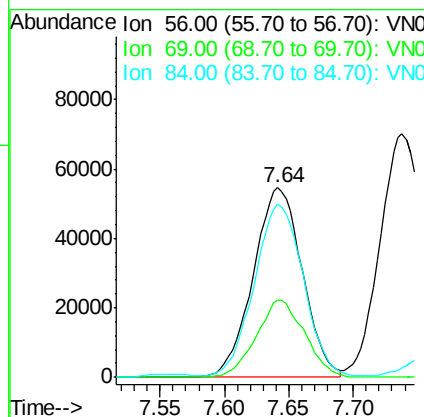
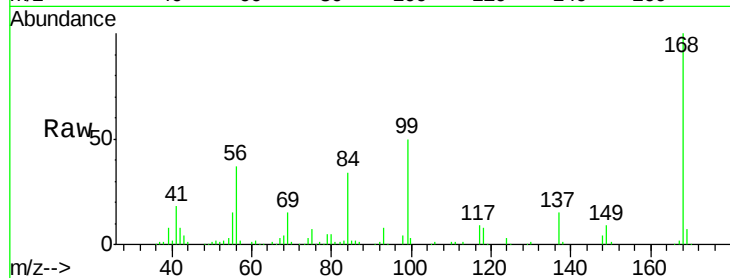
56 100

69 40.7 26.2 39.2#

84 90.4 68.2 102.2

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:33 AM



#32

1,1,1-Trichloroethane

Concen: 20.229 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

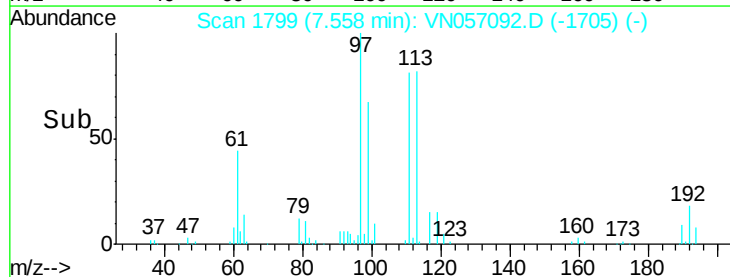
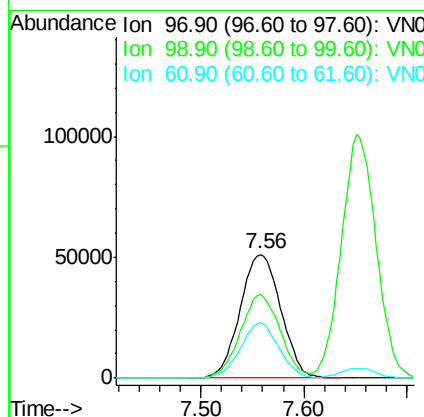
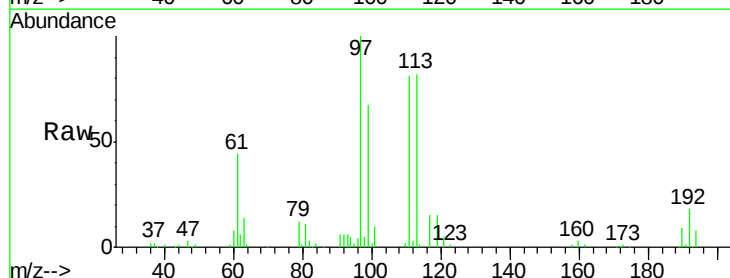
Tgt Ion: 97 Resp: 139919

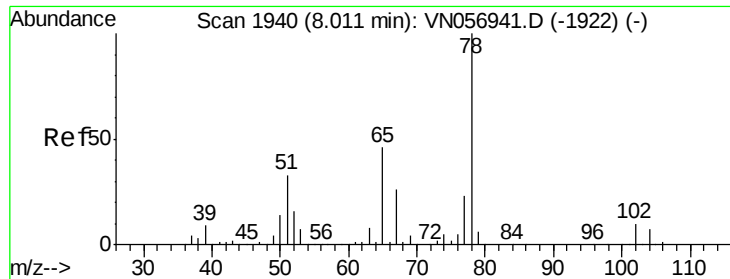
Ion Ratio Lower Upper

97 100

99 66.5 52.3 78.5

61 42.3 33.9 50.9





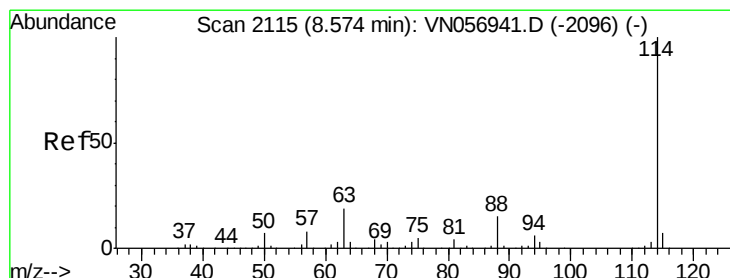
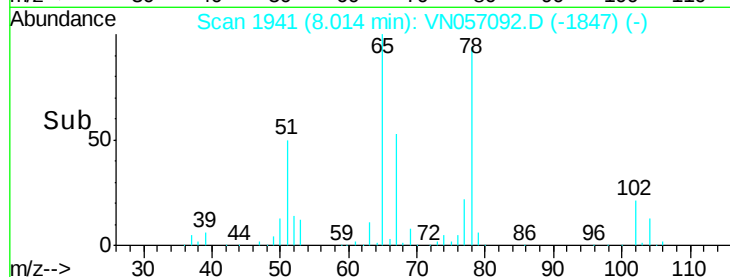
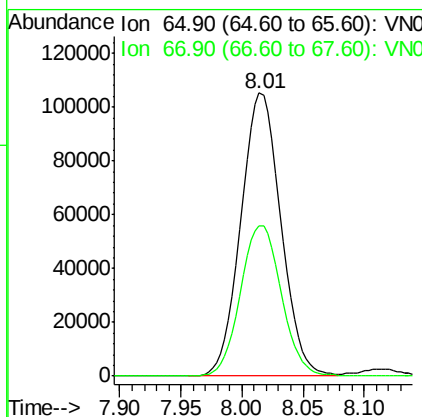
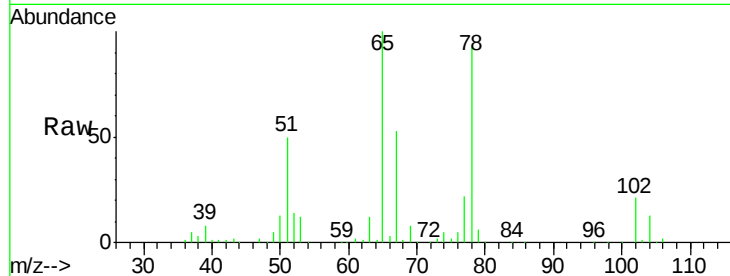
#33
 1,2-Dichloroethane-d4
 Concen: 47.835 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238856		
67	54.6	0.0	112.0	

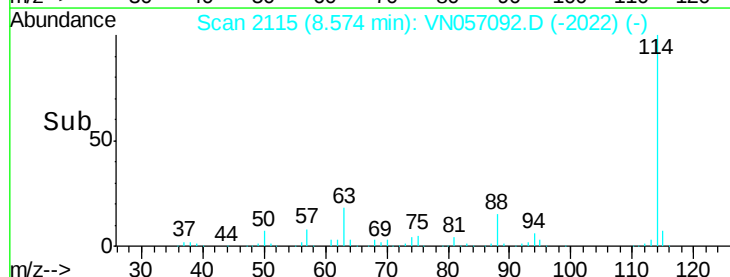
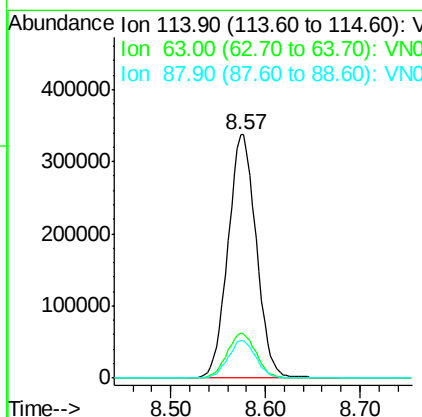
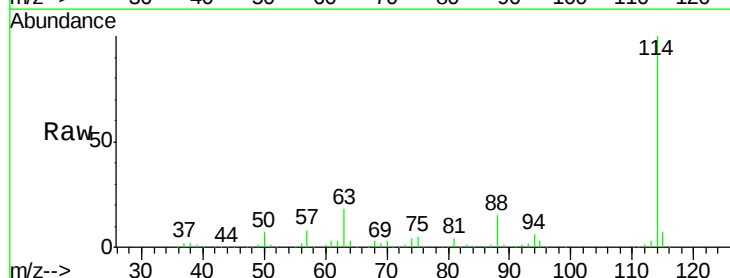
Manual Integrations
 APPROVED

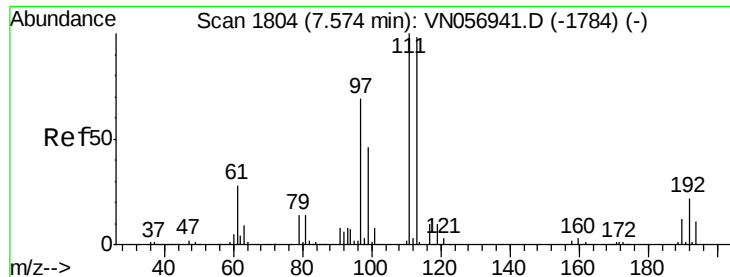
MMDadoda
 8/9/2019 12:51:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700078		
63	18.3	0.0	38.0	
88	15.4	0.0	30.0	





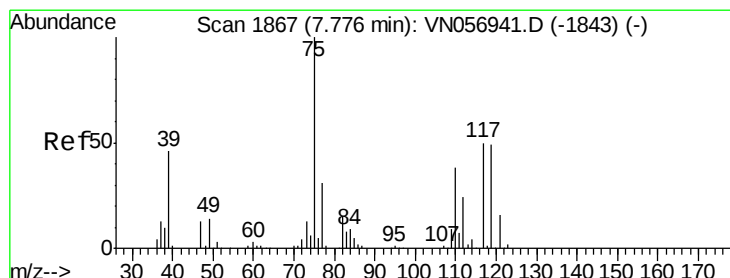
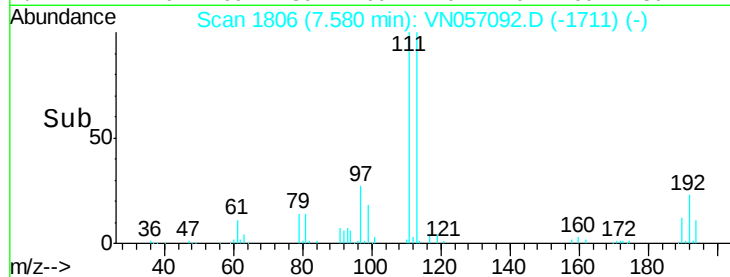
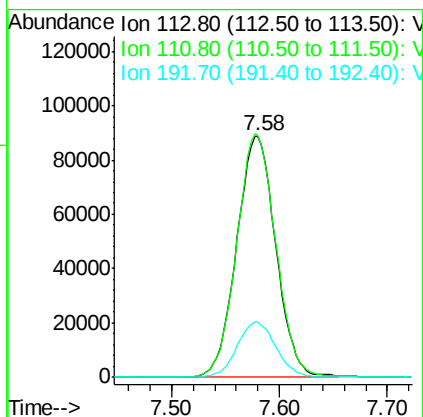
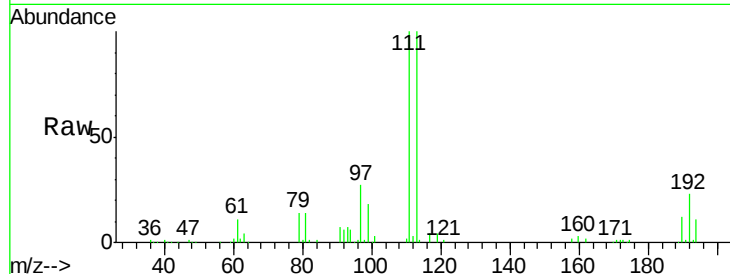
#35
 Dibromofluoromethane
 Concen: 49.987 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.5	82.0	123.0	
192	22.7	18.4	27.6	

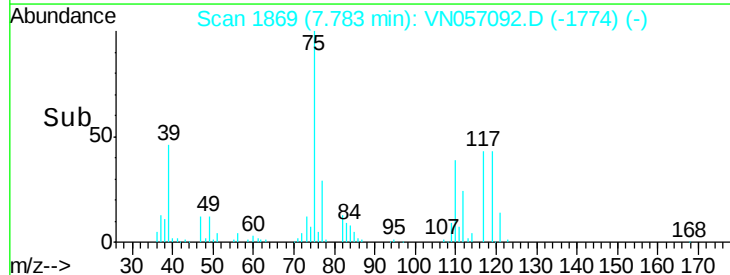
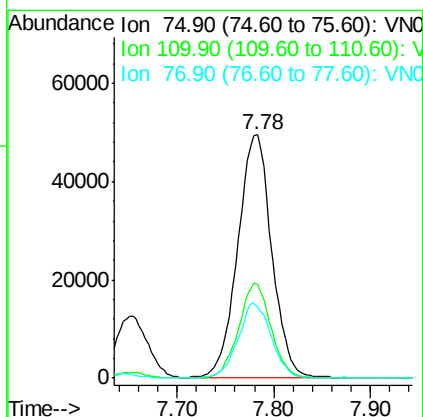
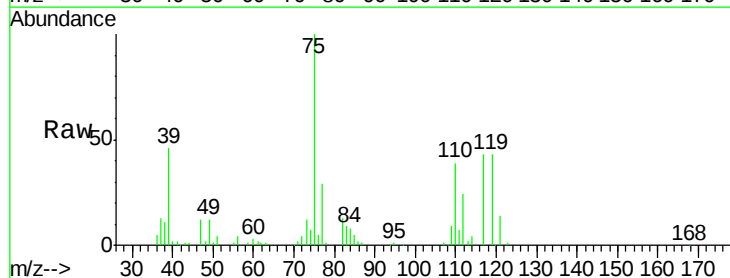
Manual Integrations
 APPROVED

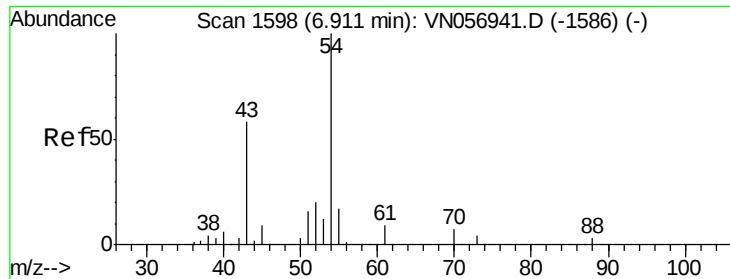
MMdadoda
 8/9/2019 12:51:33 AM



#36
 1,1-Dichloropropene
 Concen: 19.696 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.6	55.8	
77	30.1	25.2	37.8	





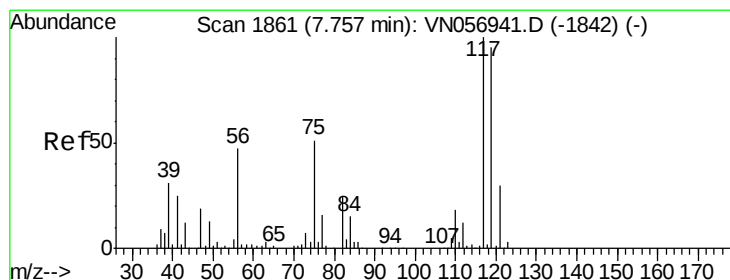
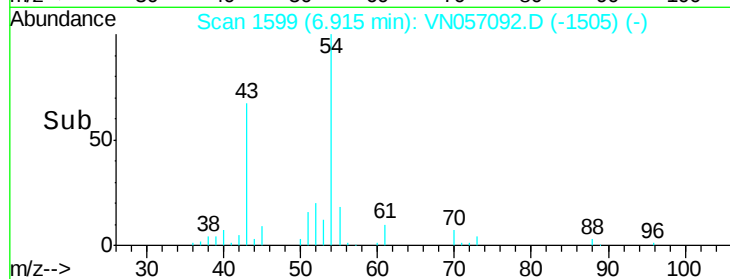
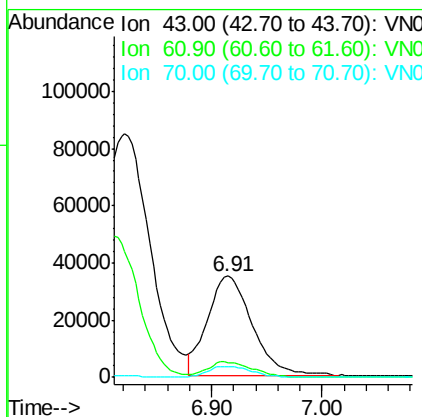
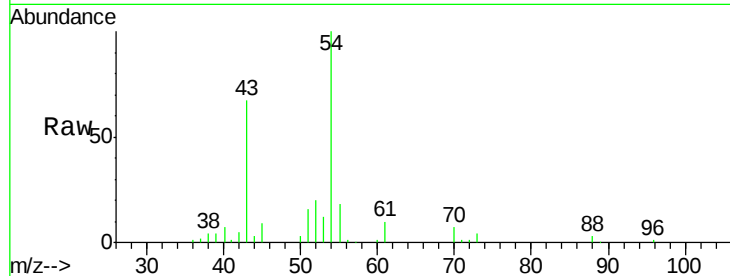
#37
Ethyl Acetate
Concen: 20.005 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	43	61	70
Resp	98701		
Ratio	100	14.3	11.0
Lower		11.8	8.5
Upper		17.6	12.7

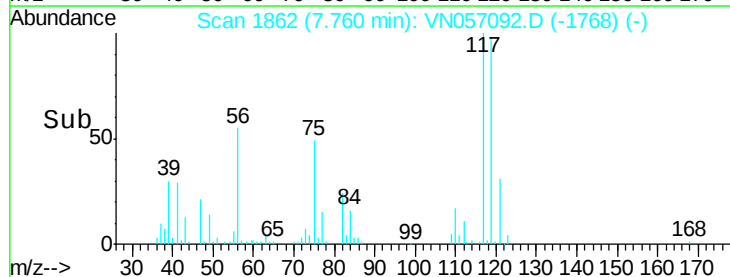
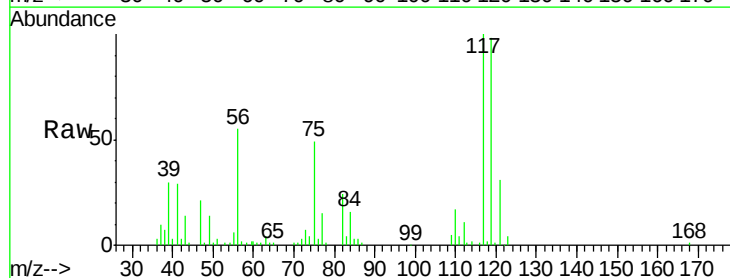
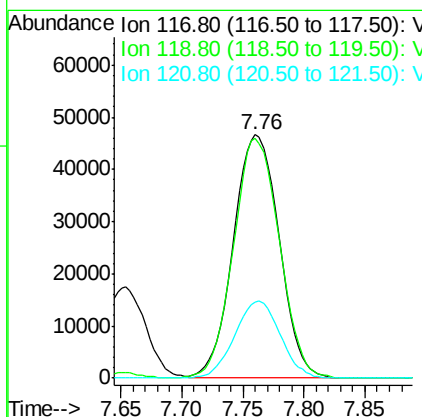
Manual Integrations
APPROVED

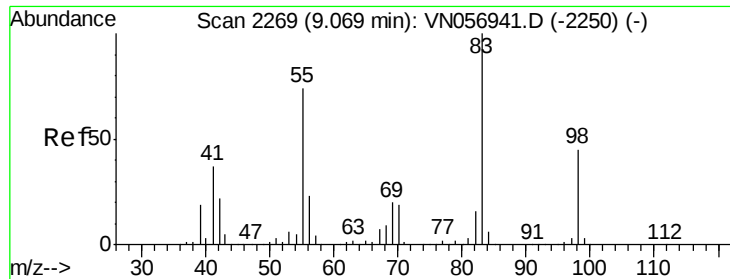
MMDadoda
8/9/2019 12:51:33 AM



#38
Carbon Tetrachloride
Concen: 20.913 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	117	119	121
Resp	121857		
Ratio	100	98.3	31.1
Lower		75.3	24.2
Upper		112.9	36.4





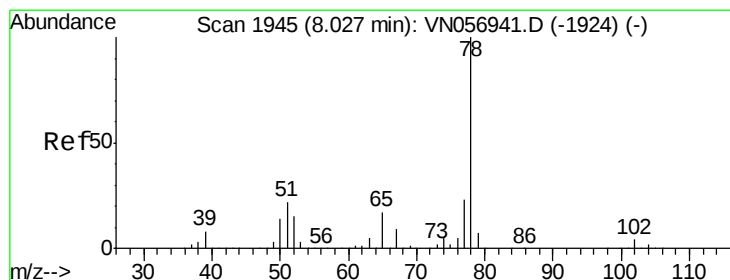
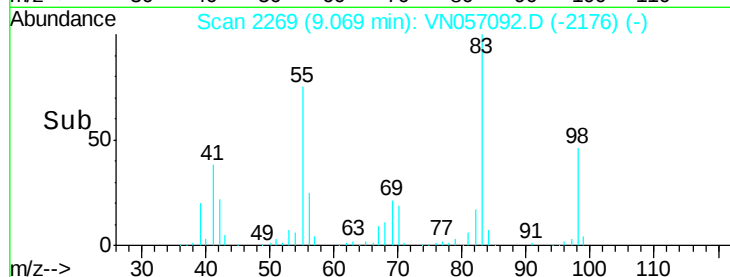
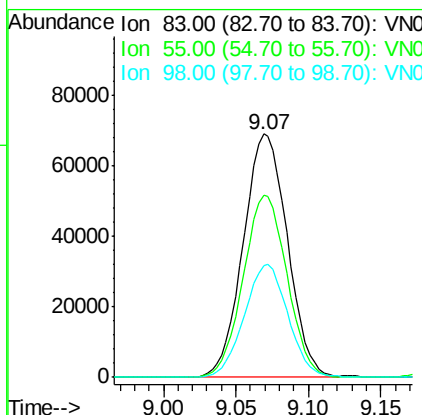
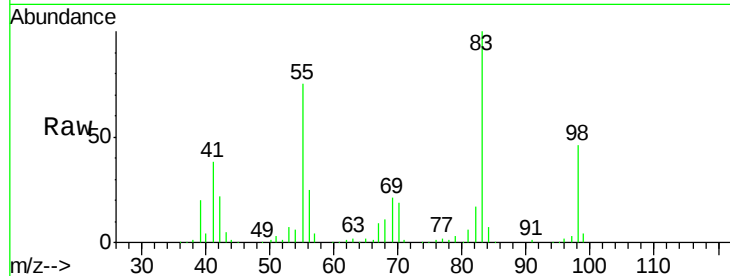
#39
Methvlcvclohexane
Concen: 18.612 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.0	88.6
98	46.0	36.2	54.4

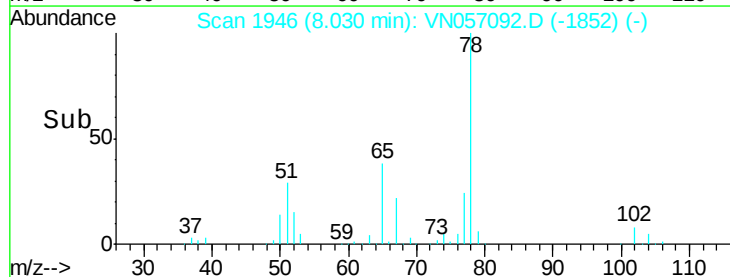
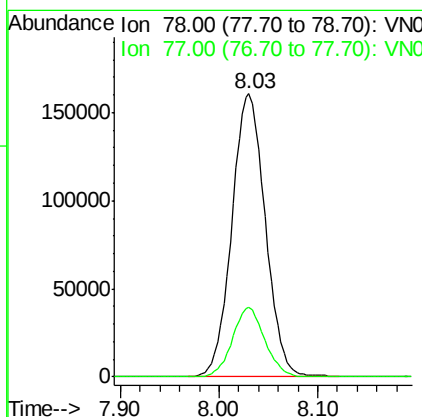
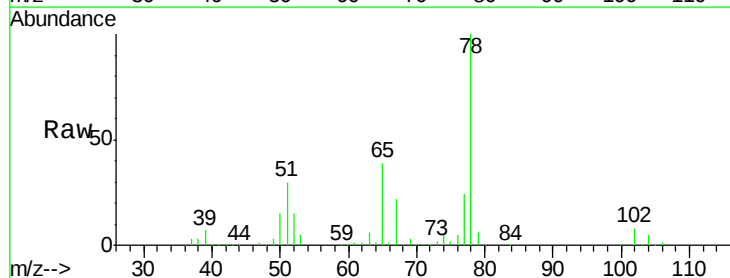
Manual Integrations
APPROVED

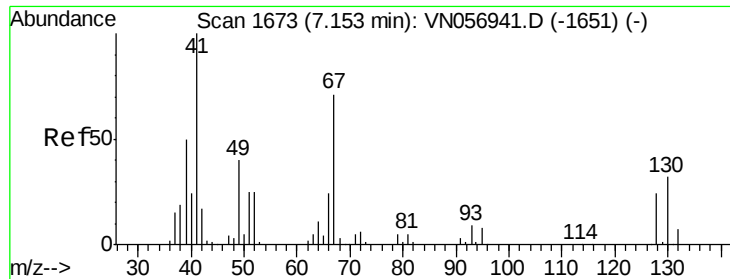
MMdadoda
8/9/2019 12:51:33 AM



#40
Benzene
Concen: 19.982 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.3	27.5





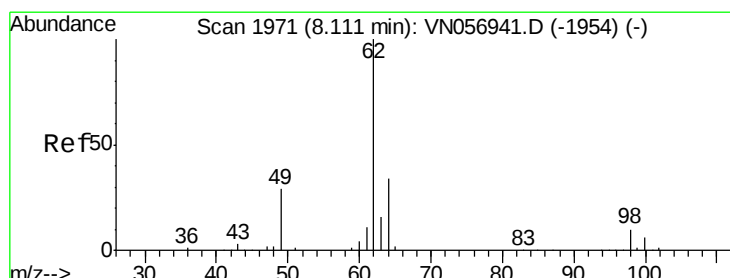
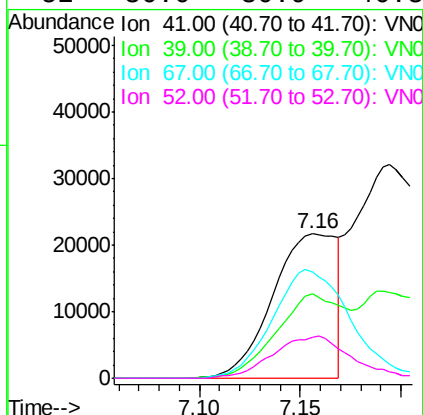
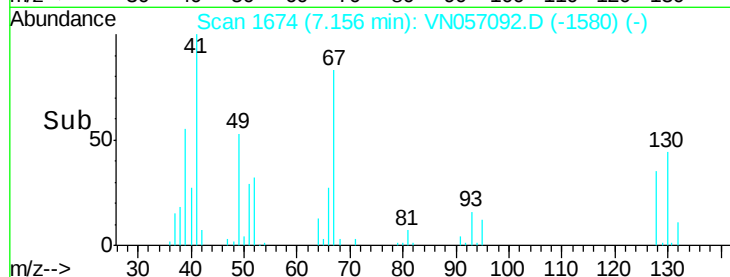
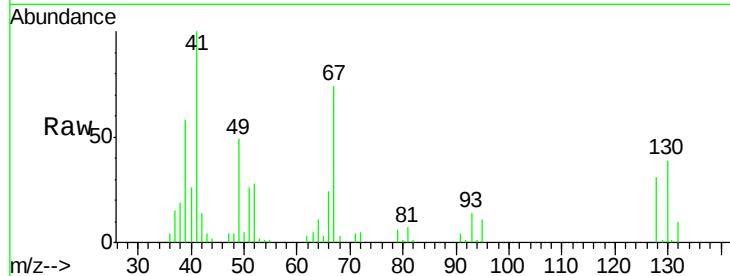
#41
Methacrylonitrile
Concen: 20.949 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	41	Resp	47781
Ion Ratio	Lower	Upper	
41	100		
39	62.2	48.9	73.3
67	93.4	83.4	125.0
52	36.0	30.9	46.3

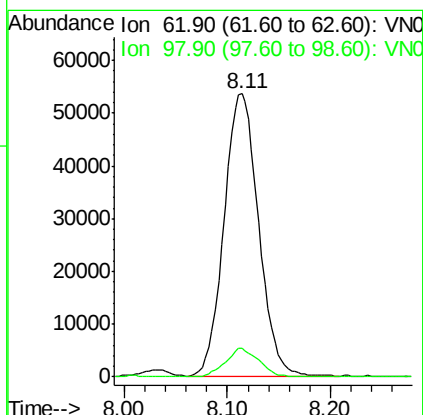
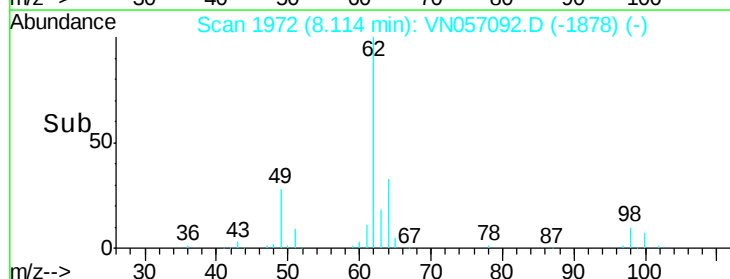
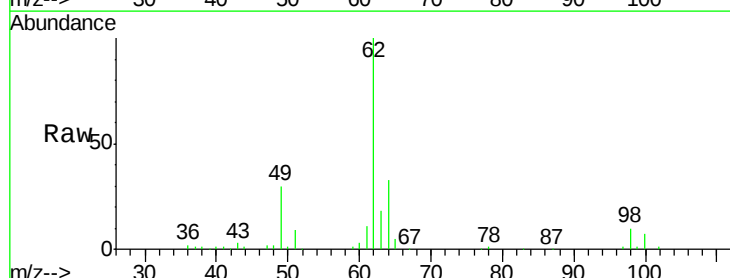
Manual Integrations
APPROVED

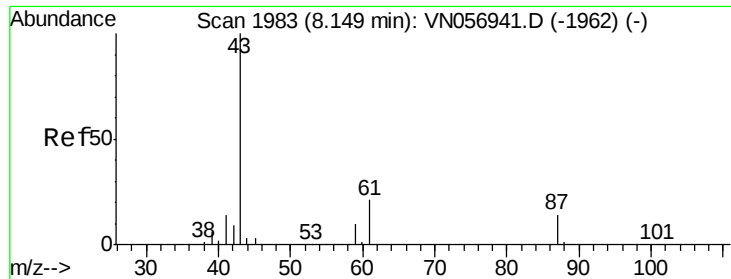
MMDadoda
8/9/2019 12:51:33 AM



#42
1,2-Dichloroethane
Concen: 20.956 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	62	Resp	124617
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	20.6





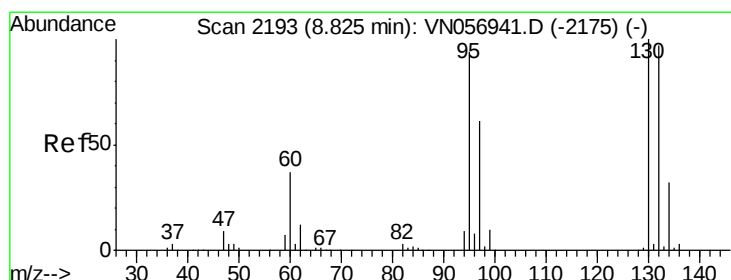
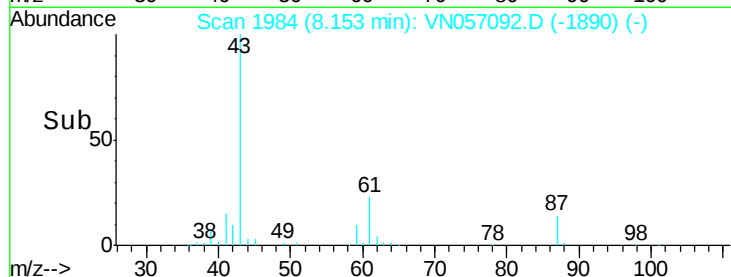
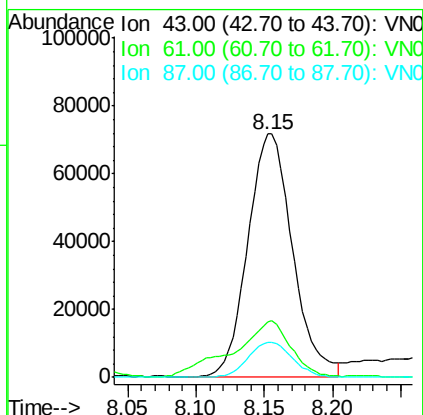
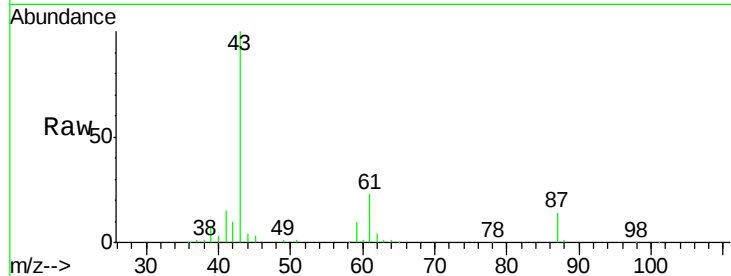
#43
Isopropyl Acetate
Concen: 19.922 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.0	34.6
87	14.3	11.7	17.5

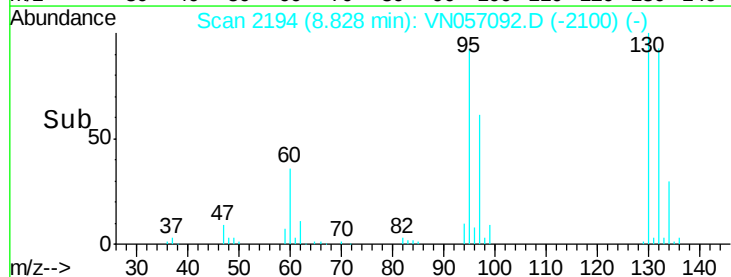
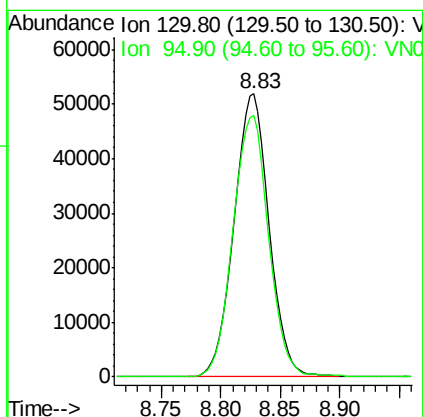
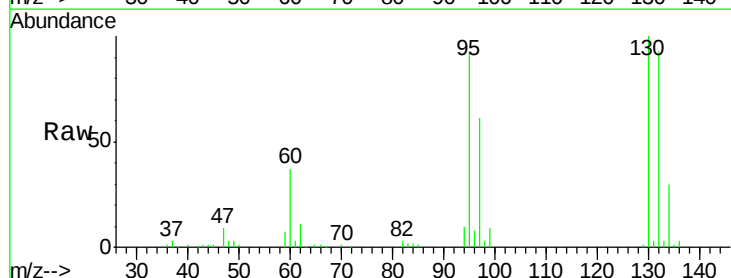
Manual Integrations
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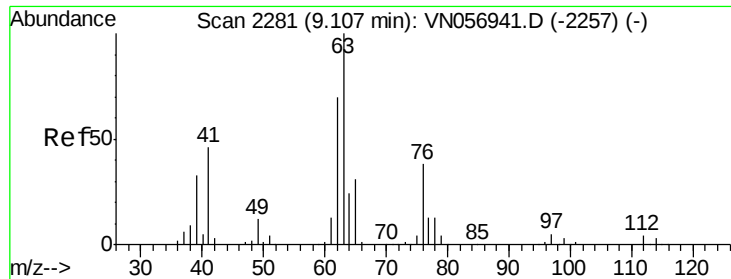
MMDadoda
8/9/2019 12:51:33 AM



#44
Trichloroethene
Concen: 20.270 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	189.0





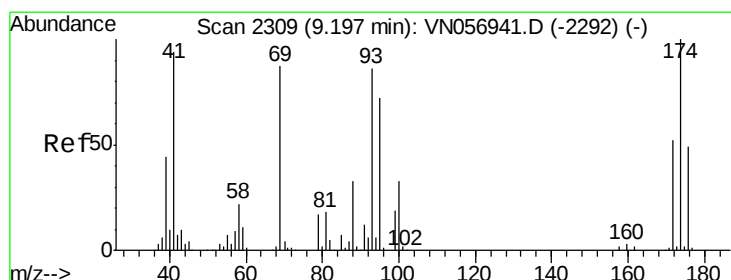
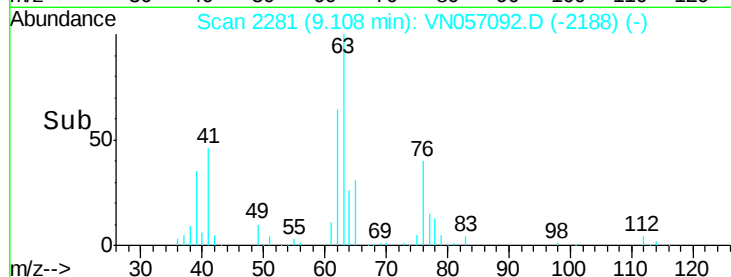
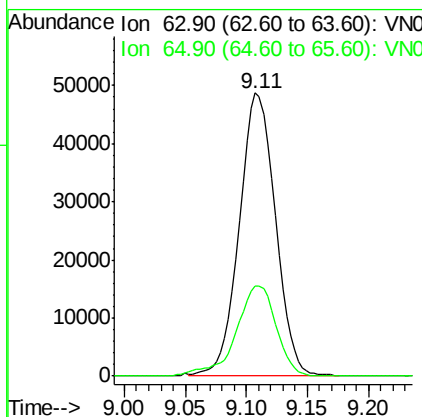
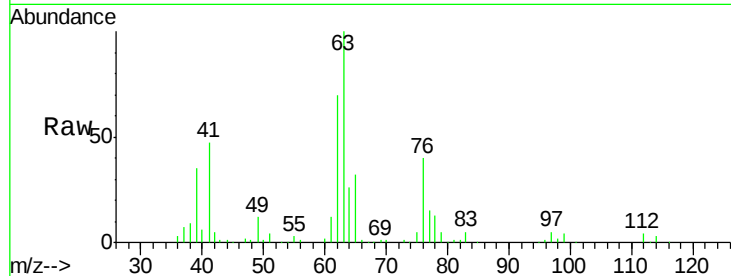
#45
 1,2-Dichloropropane
 Concen: 19.687 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.8	37.2

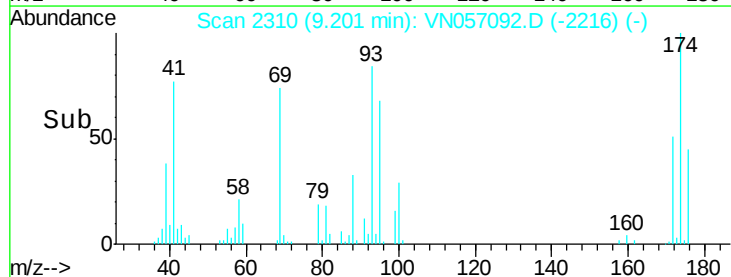
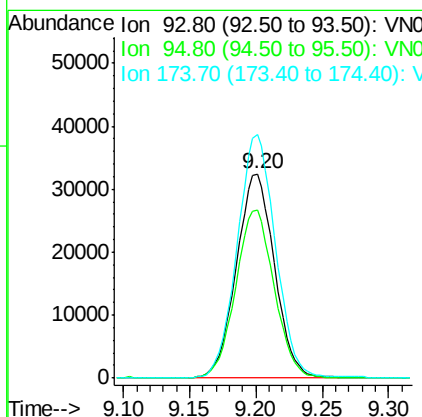
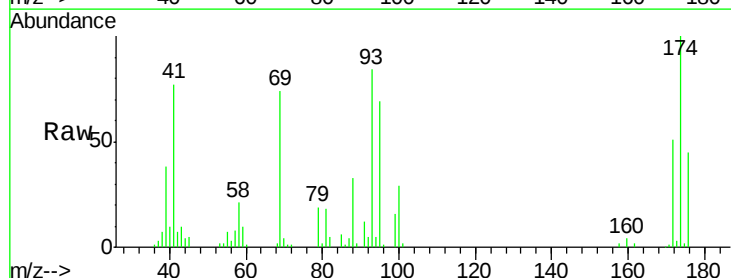
Manual Integrations
 APPROVED

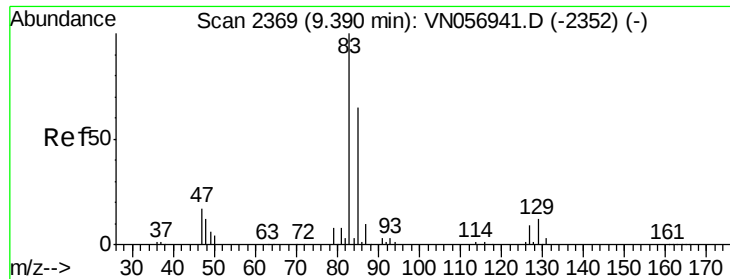
MMDadoda
 8/9/2019 12:51:33 AM



#46
 Dibromomethane
 Concen: 21.230 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.0	100.6
174	120.0	92.7	139.1





#47

Bromodichloromethane

Concen: 21.322 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

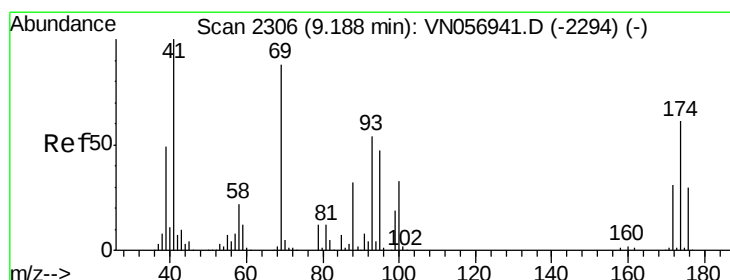
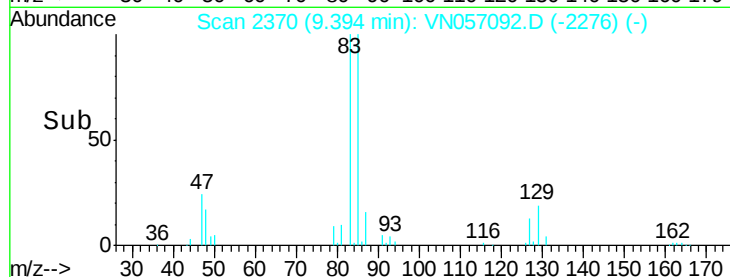
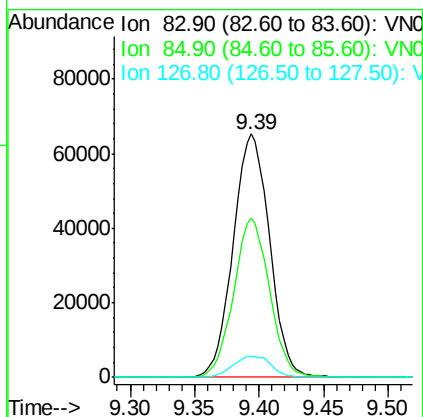
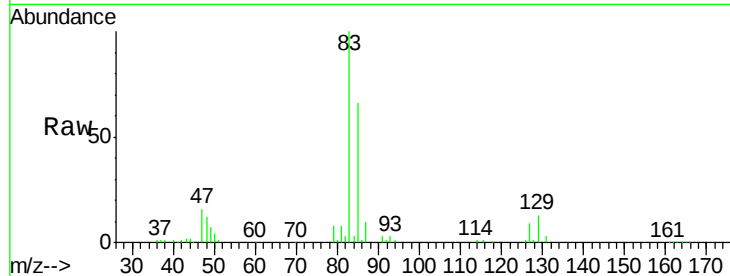
ClientSampled :

VN0806WBS01

Tot Ion:	83	Resp:	128306
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.6	77.4
127	8.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 20.223 ug/l

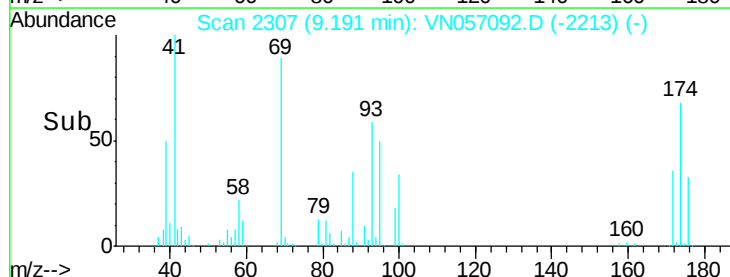
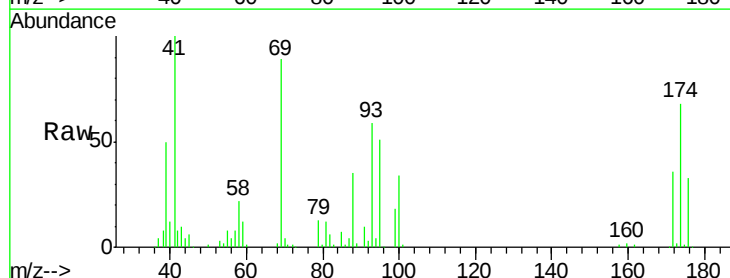
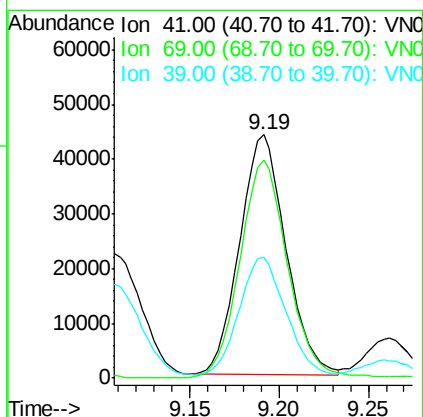
RT: 9.19 min Scan# 2307

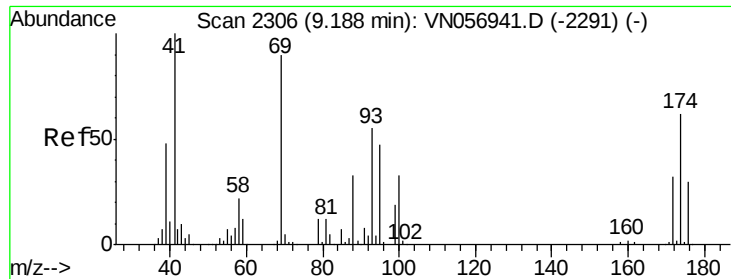
Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	41	Resp:	79619
Ion Ratio	Lower	Upper	
41	100		
69	93.8	73.4	110.0
39	51.6	39.9	59.9





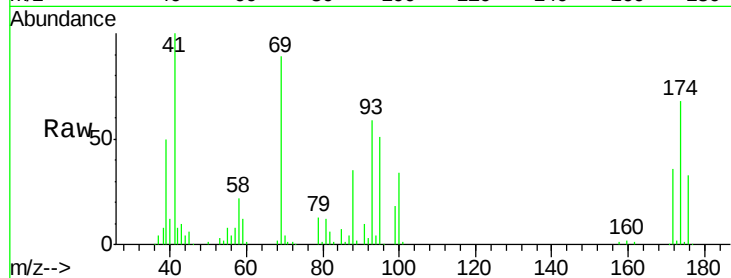
#49
1,4-Dioxane
Concen: 418.700 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	22.2	33.2
58	67.5	54.1	81.1

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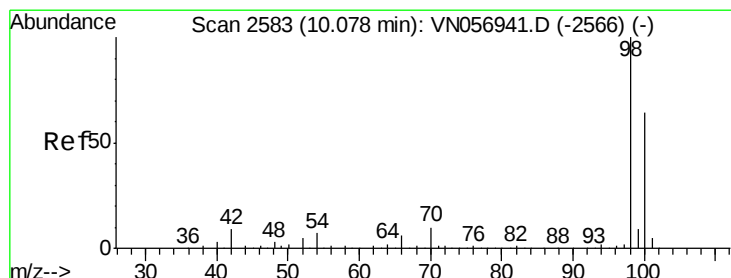
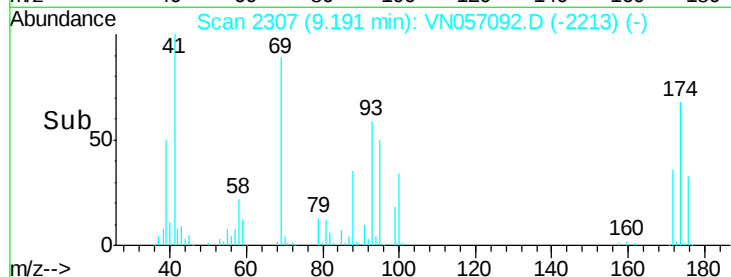
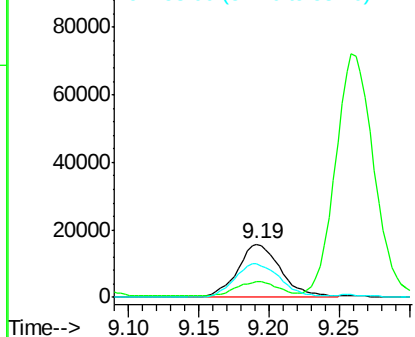


Abundance

Ion 88.00 (87.70 to 88.70): VN056941.D (-2291) (-)

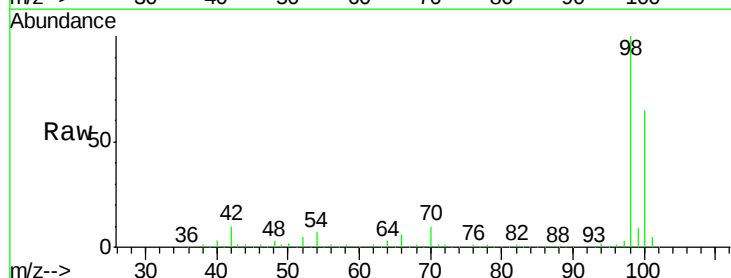
Ion 43.00 (42.70 to 43.70): VN056941.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2291) (-)



#50
Toluene-d8
Concen: 47.591 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

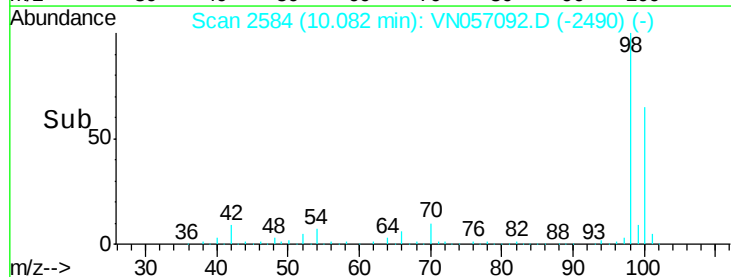
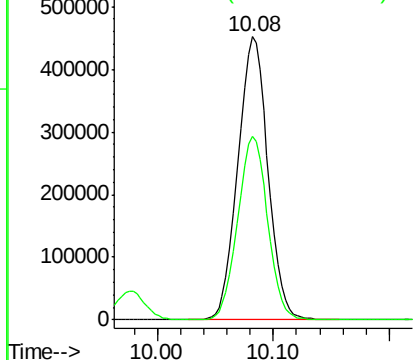
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9

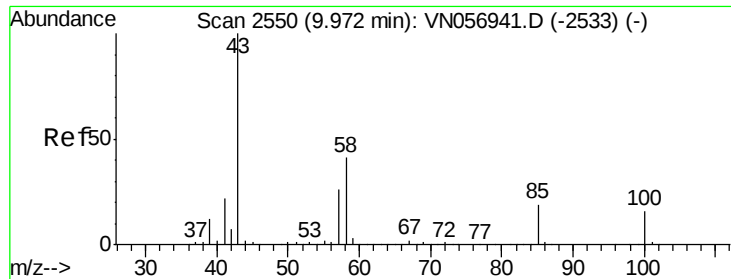


Abundance

Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.813 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 43 Resp: 488461

Ion Ratio Lower Upper

43 100

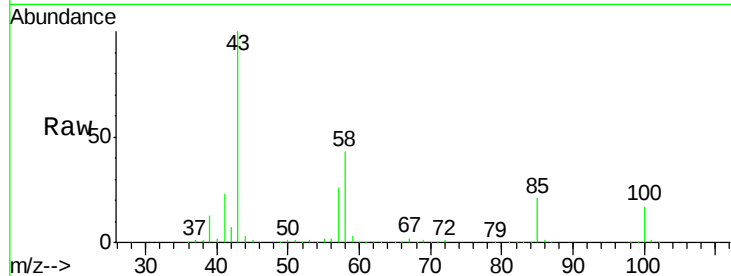
58 41.3 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

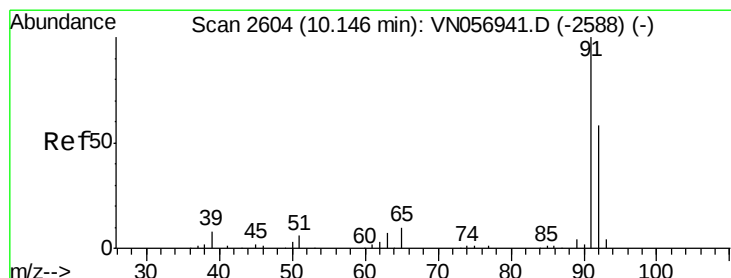
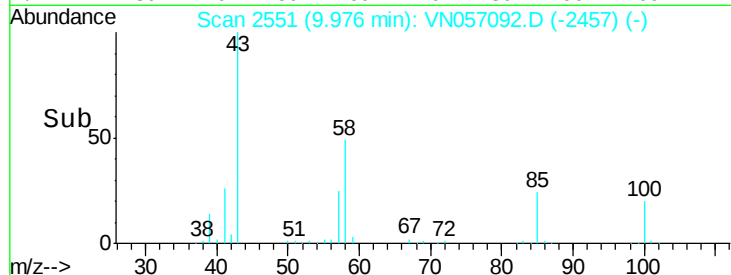
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.753 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057092.D

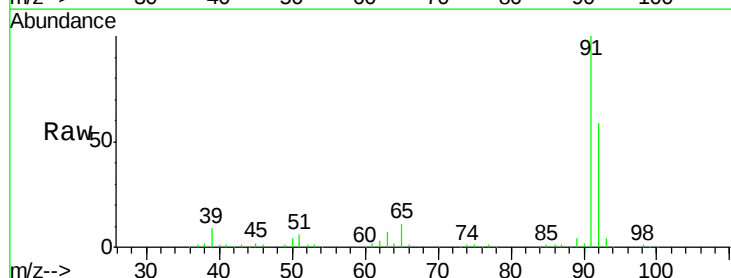
Acq: 6 Aug 2019 10:51

Tgt Ion: 92 Resp: 236578

Ion Ratio Lower Upper

92 100

91 172.1 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

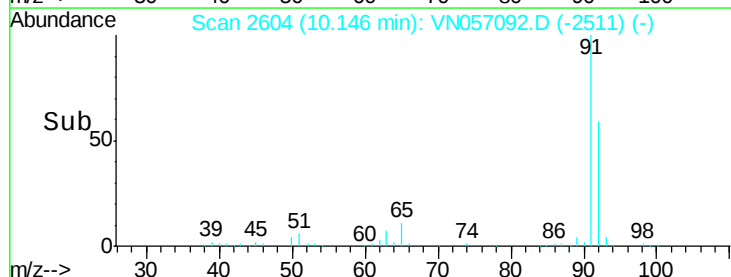
150000

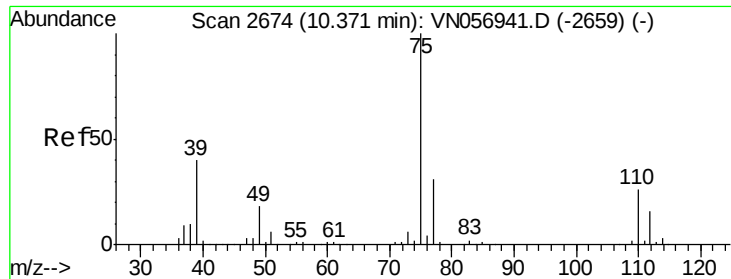
100000

50000

0

Time-->





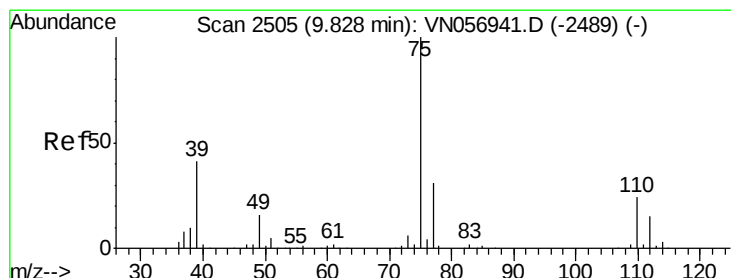
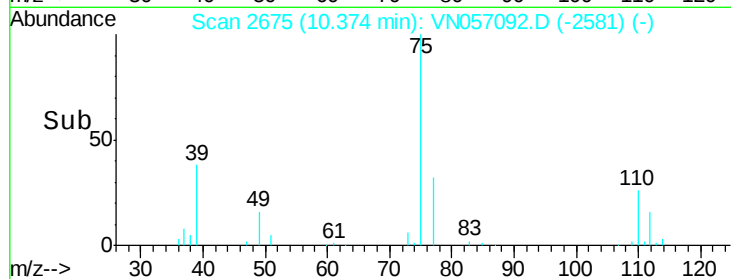
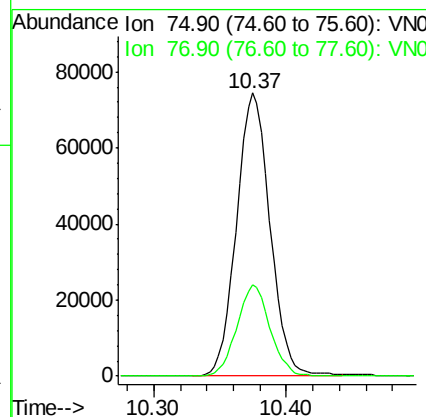
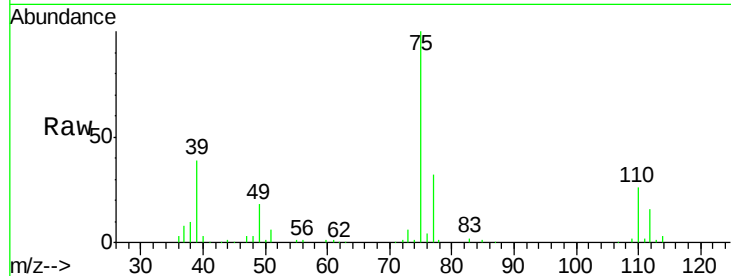
#53
t-1,3-Dichloropropene
Concen: 20.929 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 75 Resp: 130689
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7

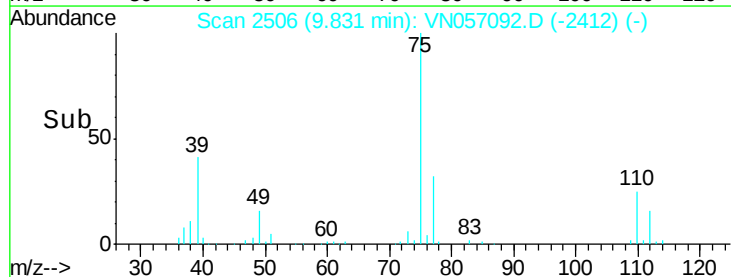
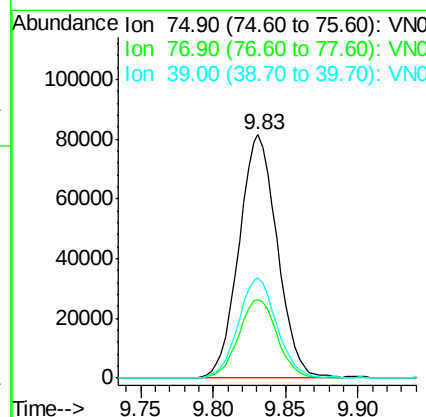
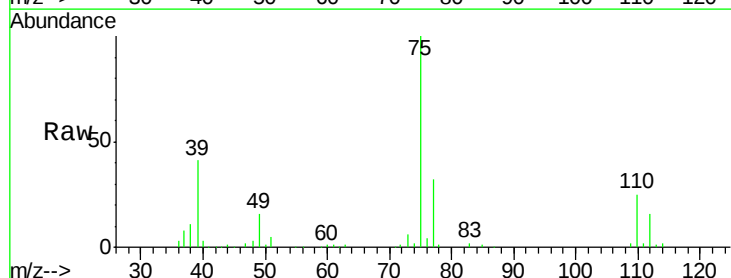
Manual Integrations
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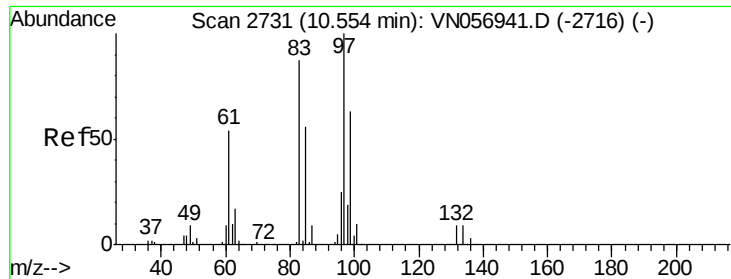
MMdadoda
8/9/2019 12:51:33 AM



#54
cis-1,3-Dichloropropene
Concen: 20.589 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion: 75 Resp: 149484
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6
39 41.2 32.6 49.0





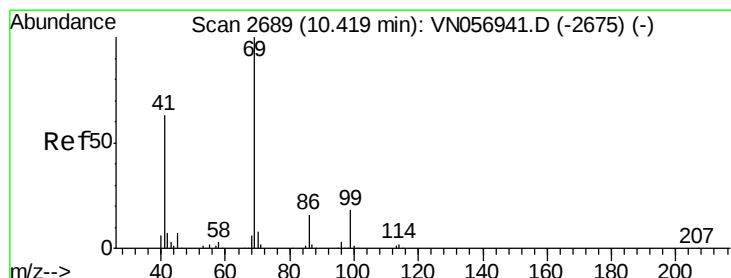
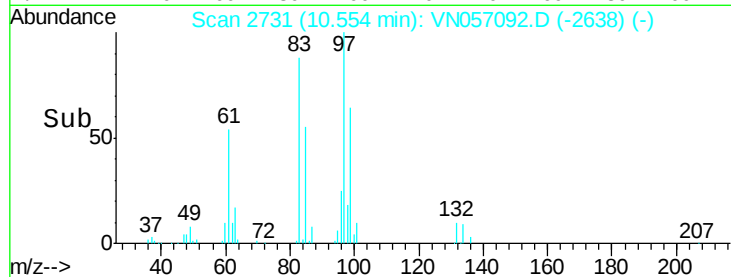
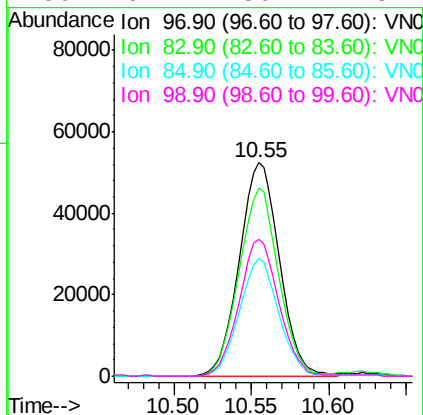
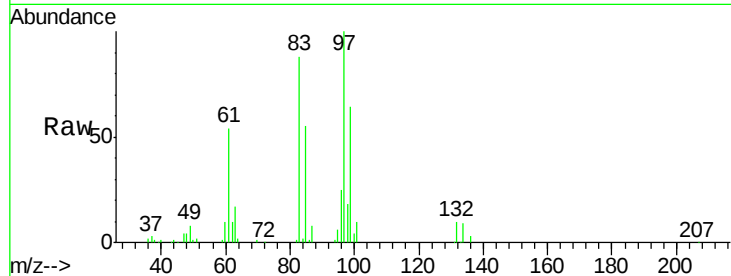
#55
 1,1,2-Trichloroethane
 Concen: 20.710 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion:	97	Resp:	94677
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.4	104.0
85	55.2	44.7	67.1
99	64.4	50.1	75.1

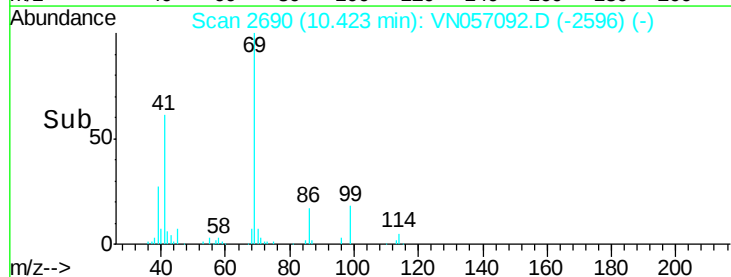
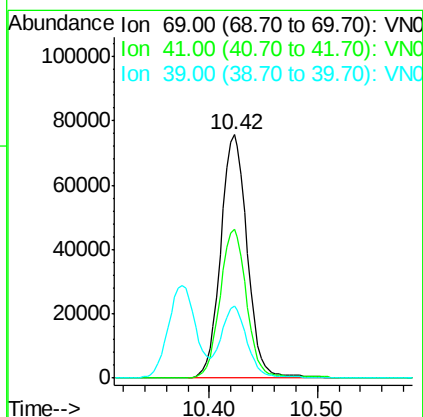
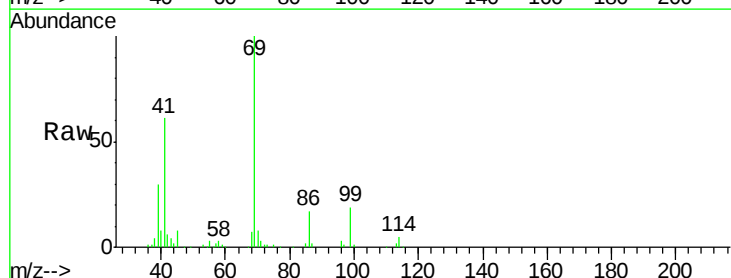
Manual Integrations
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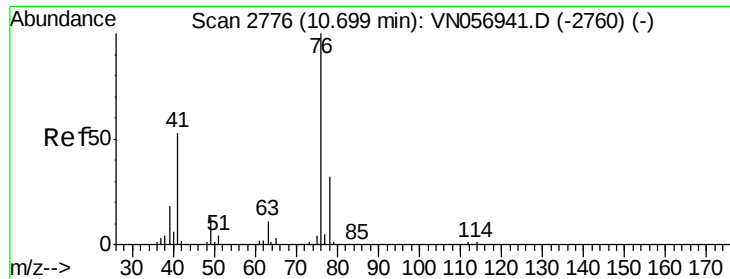
MMdadoda
 8/9/2019 12:51:33 AM



#56
 Ethyl methacrylate
 Concen: 19.833 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion:	69	Resp:	129322
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.2	73.8
39	28.2	23.1	34.7





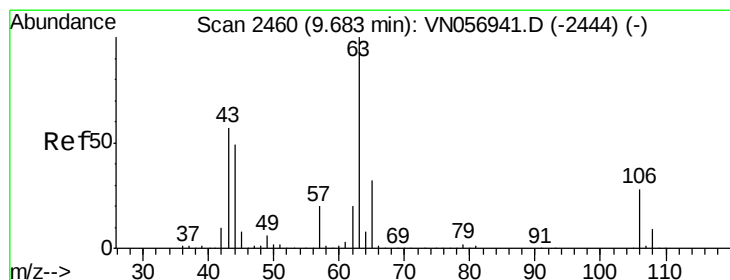
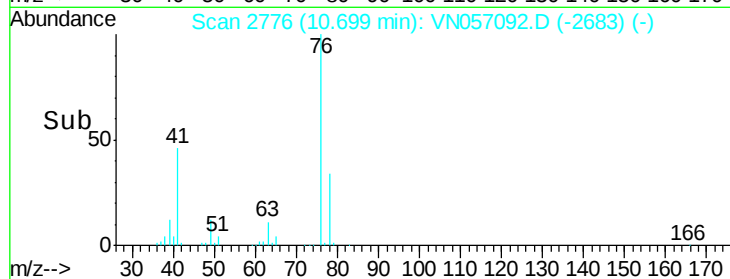
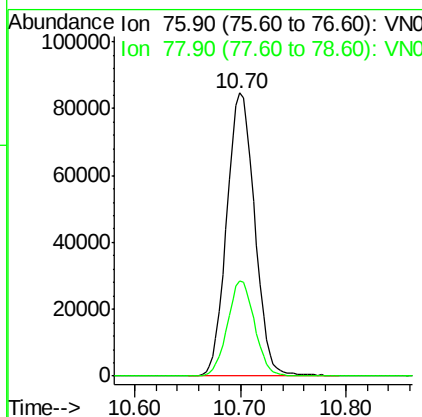
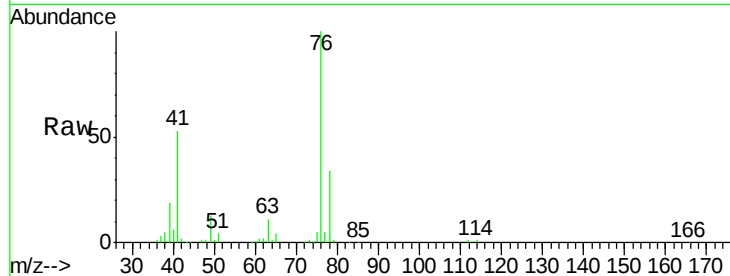
#57
 1,3-Dichloropropane
 Concen: 20.506 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion: 76 Resp: 155452
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

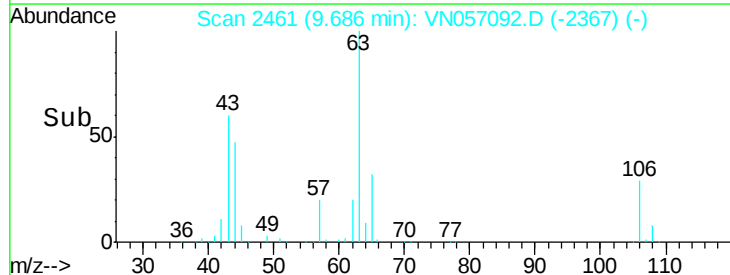
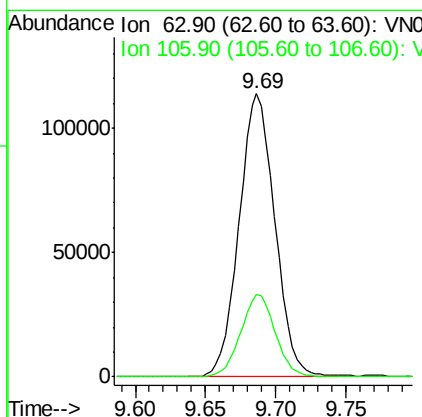
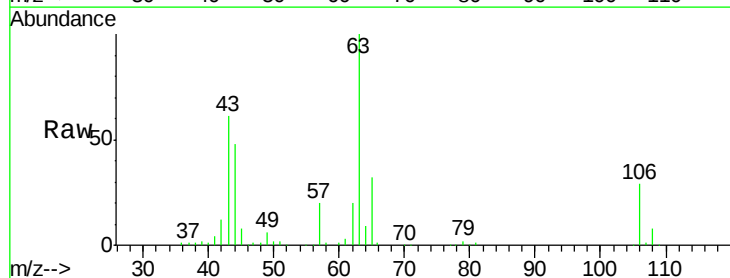
Manual Integrations
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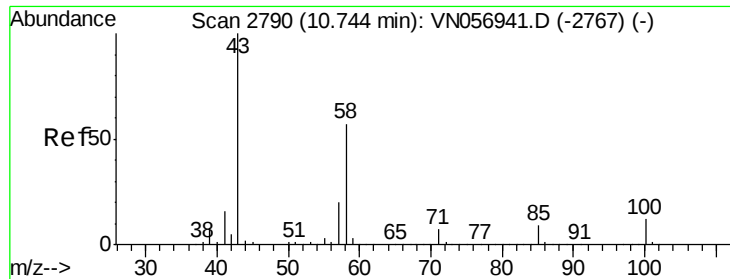
MMDadoda
 8/9/2019 12:51:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 73.968 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion: 63 Resp: 202637
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.0 33.0





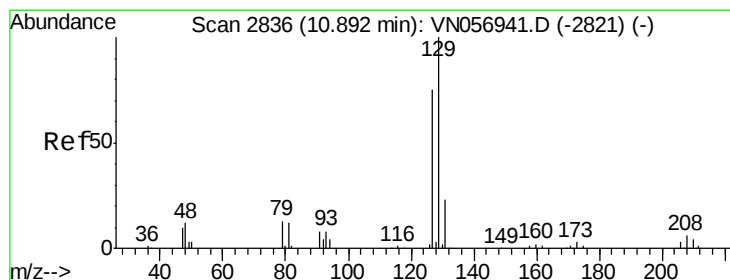
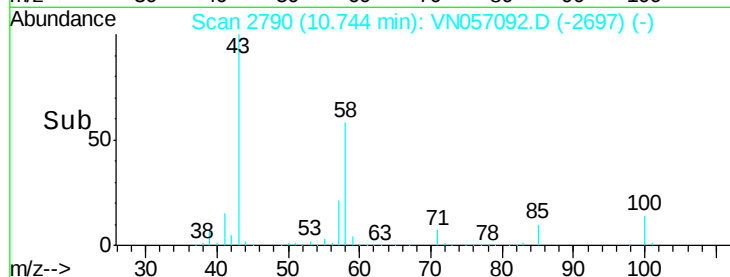
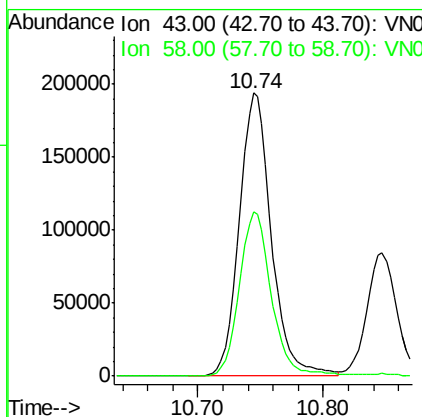
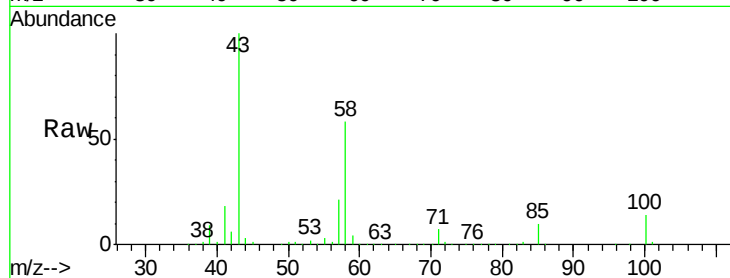
#59
2-Hexanone
Concen: 93.601 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 43 Resp: 343357
Ion Ratio Lower Upper
43 100
58 58.2 28.5 85.5

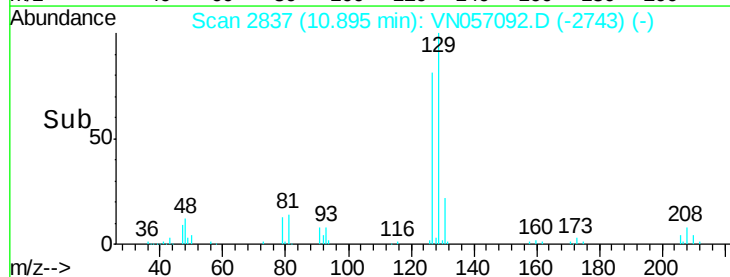
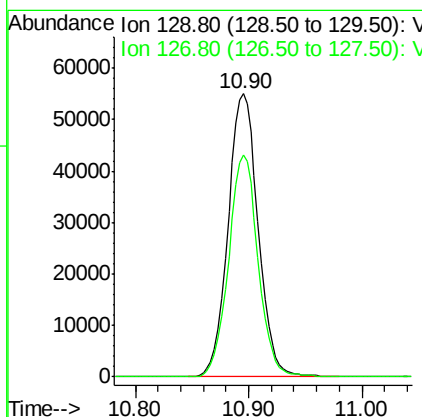
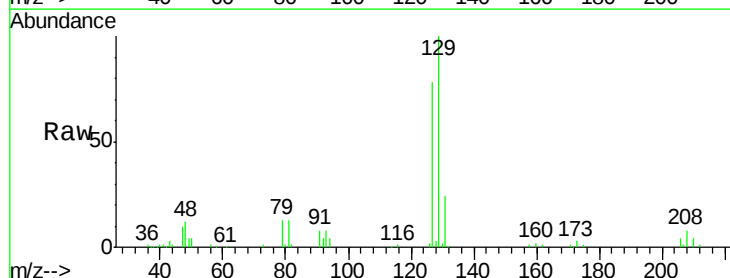
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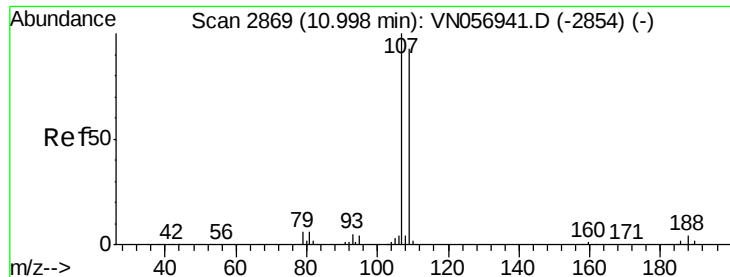
MMDadoda
8/9/2019 12:51:33 AM



#60
Dibromochloromethane
Concen: 21.710 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion: 129 Resp: 101681
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





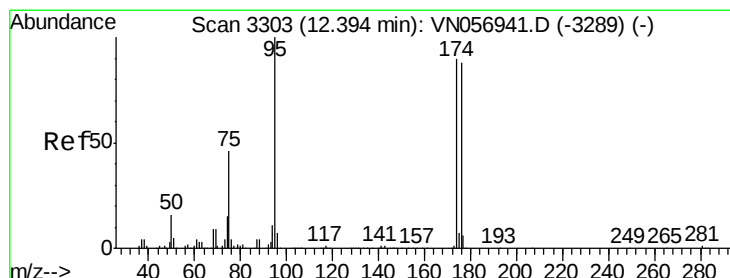
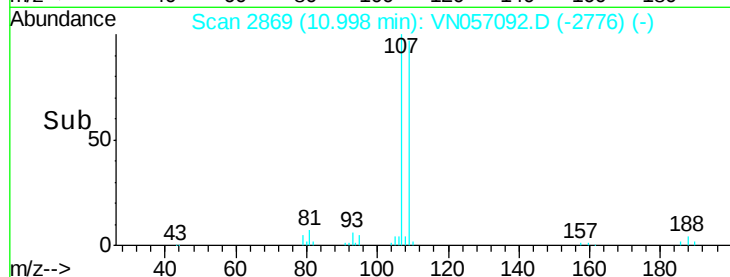
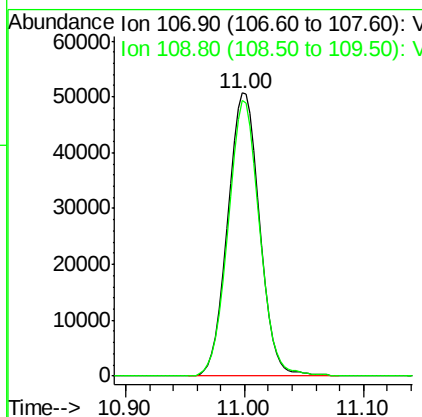
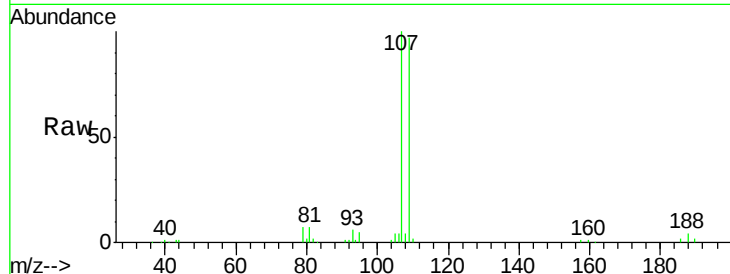
#61
 1,2-Dibromoethane
 Concen: 21.090 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion: 107 Resp: 94088
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.0 114.0

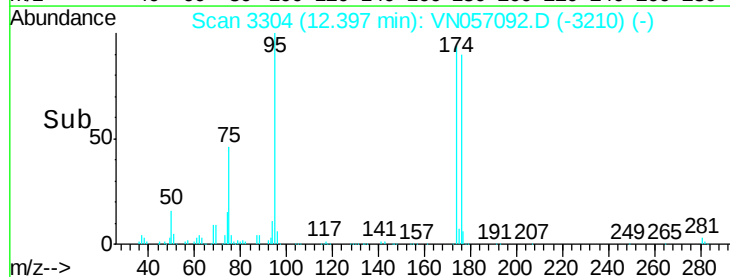
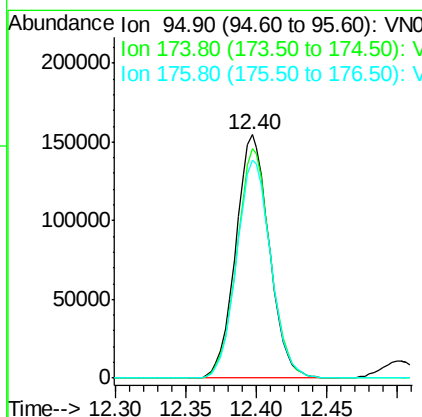
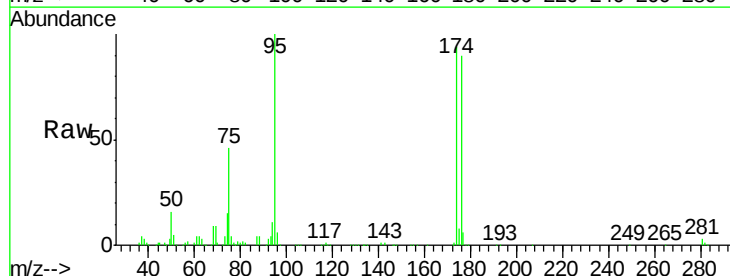
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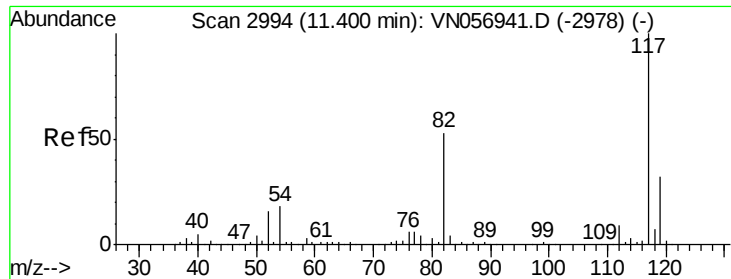
MMDadoda
 8/9/2019 12:51:33 AM



#62
 4-Bromofluorobenzene
 Concen: 46.249 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion: 95 Resp: 257318
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 182.2
 176 91.5 0.0 179.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

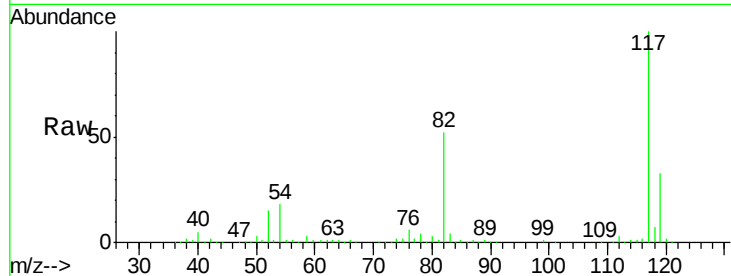
ClientSampleId :

VN0806WBS01

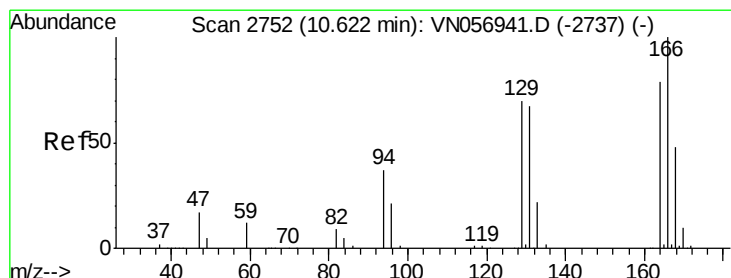
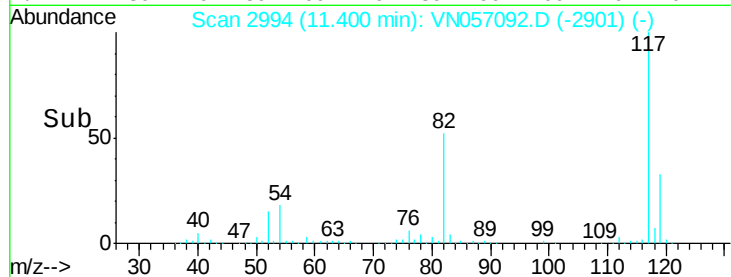
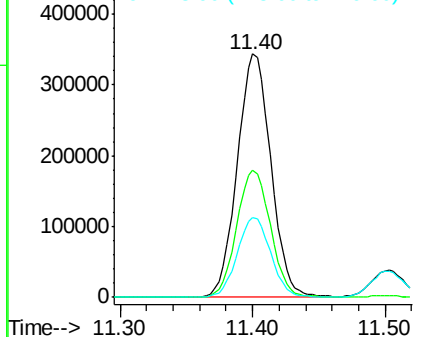
Tot Ion:	117	Resp:	608091
Ion Ratio	Lower	Upper	
117	100		
82	52.1	42.2	63.4
119	32.9	25.8	38.6

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



#64

Tetrachloroethene

Concen: 20.715 ug/l

RT: 10.63 min Scan# 2753

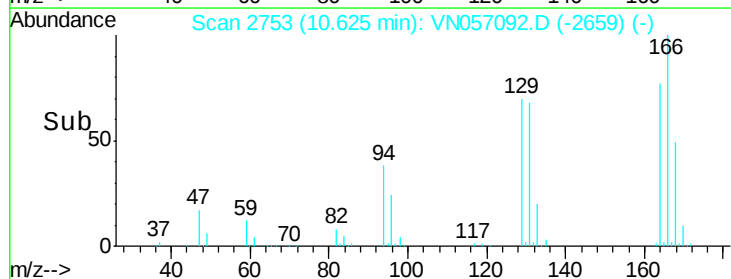
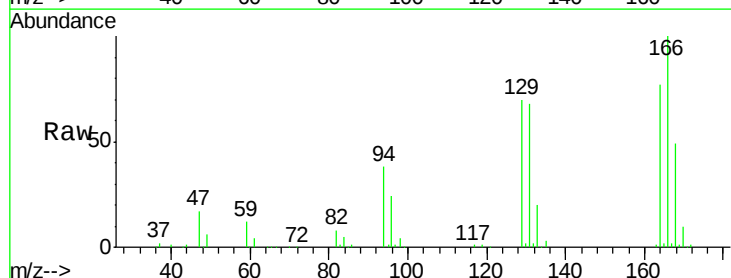
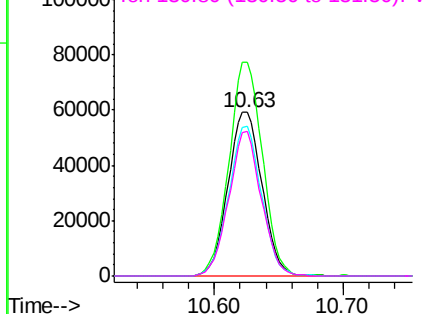
Delta R.T. 0.00 min

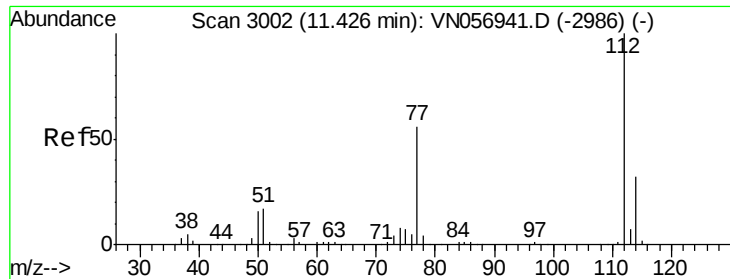
Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	164	Resp:	108552
Ion Ratio	Lower	Upper	
164	100		
166	130.4	101.1	151.7
129	91.8	70.9	106.3
131	88.0	67.7	101.5

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





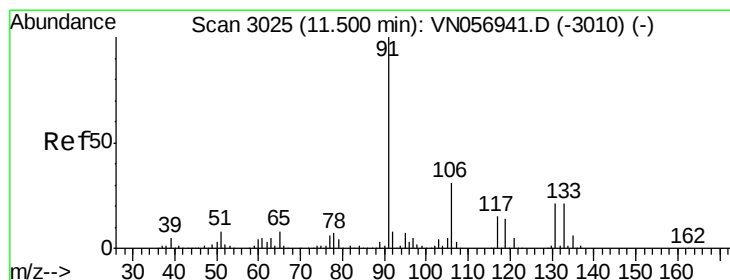
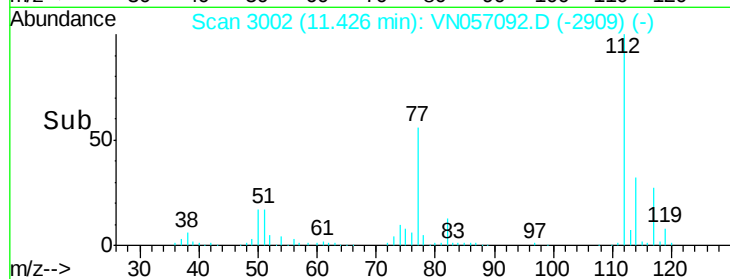
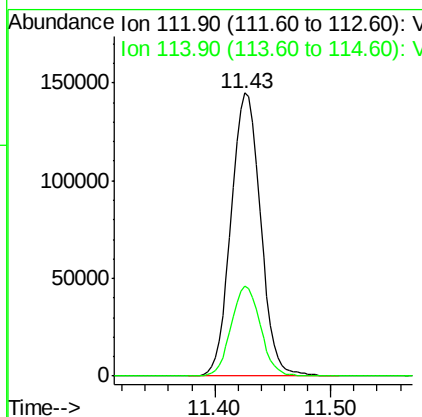
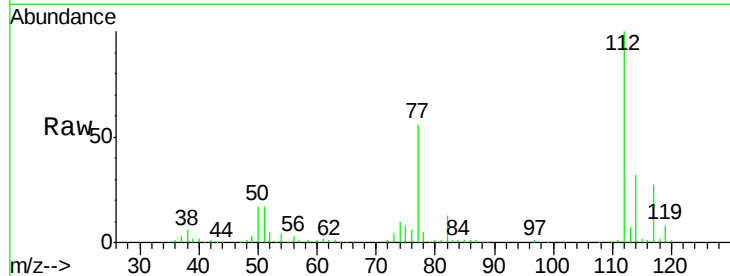
#65
Chlorobenzene
Concen: 20.622 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion:112 Resp: 255588
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

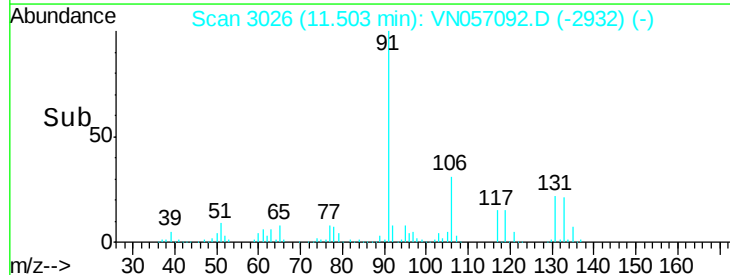
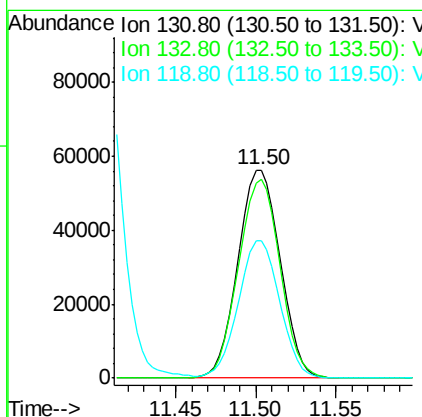
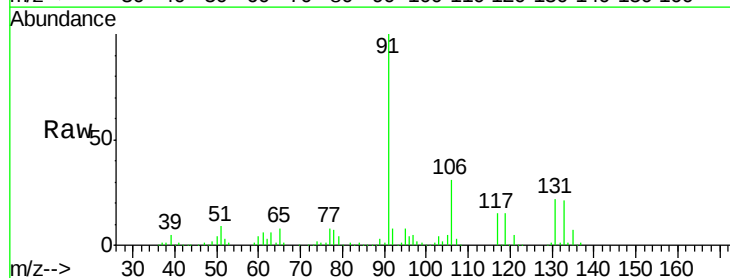
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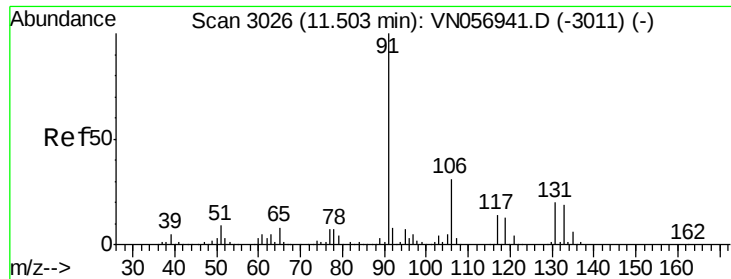
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.770 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion:131 Resp: 101551
Ion Ratio Lower Upper
131 100
133 93.9 48.0 144.0
119 64.6 33.2 99.6





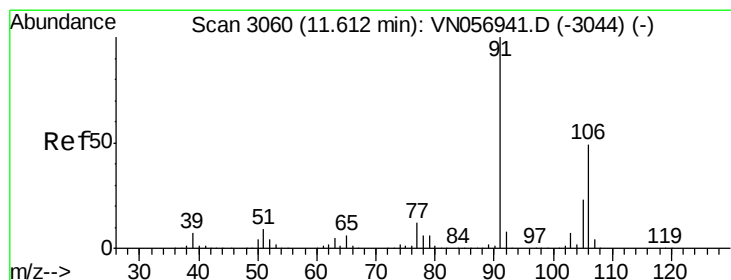
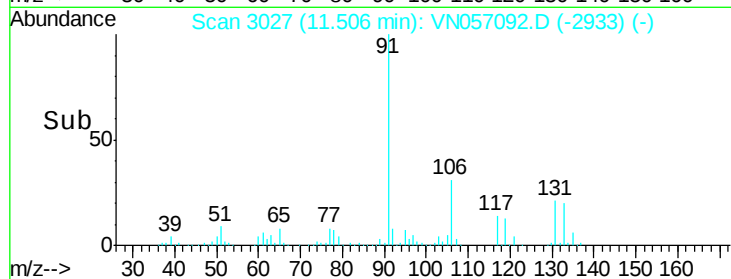
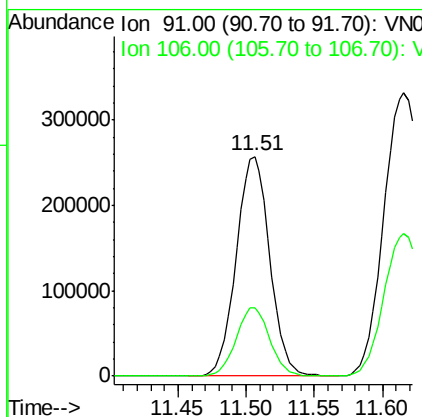
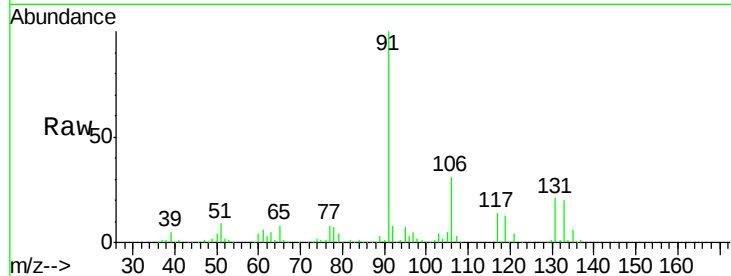
#67
Ethyl Benzene
Concen: 20.435 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 91 Resp: 437728
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

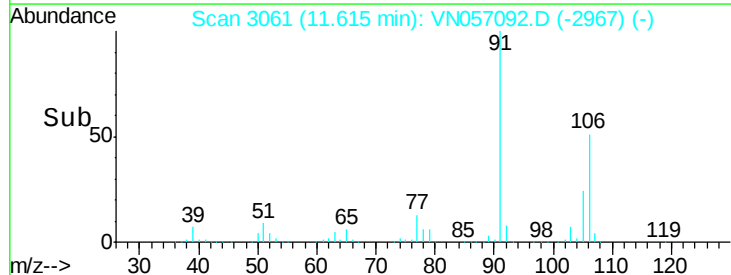
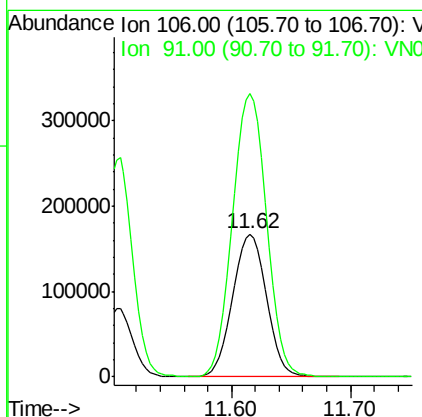
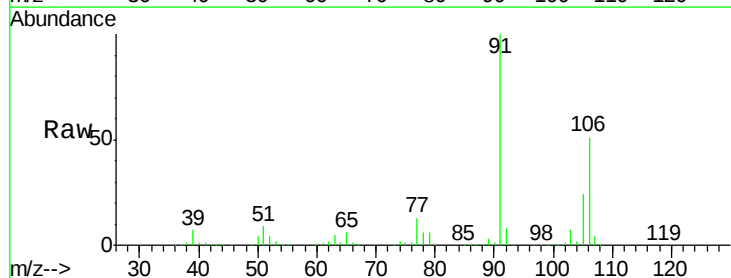
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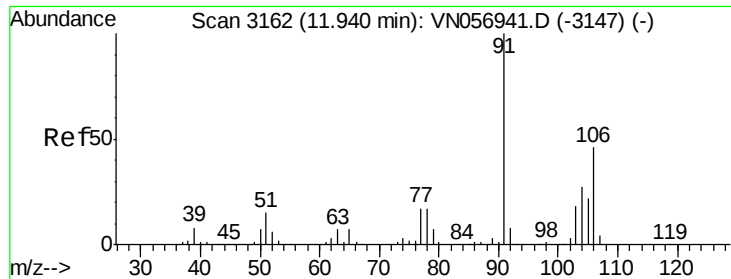
MMdadoda
8/9/2019 12:51:33 AM



#68
m/p-Xylenes
Concen: 41.623 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion: 106 Resp: 329040
Ion Ratio Lower Upper
106 100
91 199.5 160.0 240.0





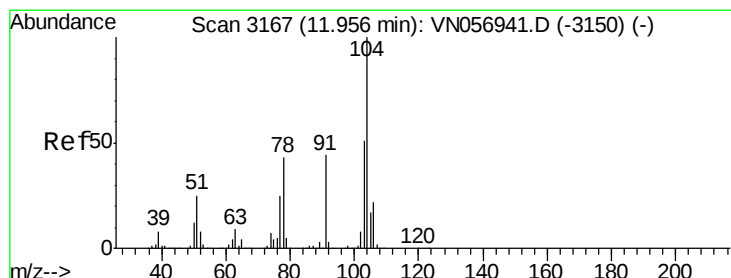
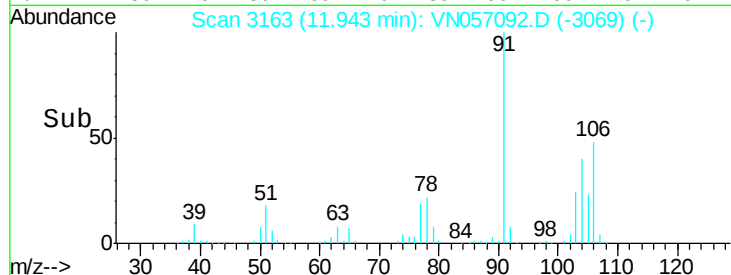
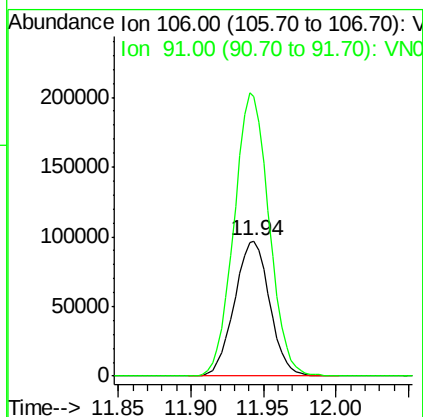
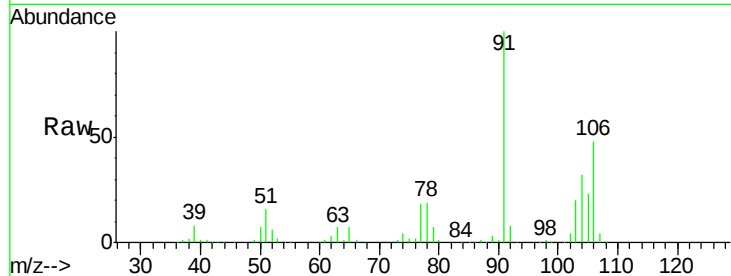
#69
o-Xylene
Concen: 21.118 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion:106 Resp: 163331
Ion Ratio Lower Upper
106 100
91 208.8 106.2 318.6

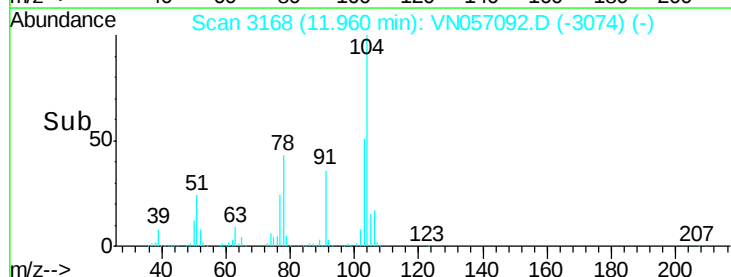
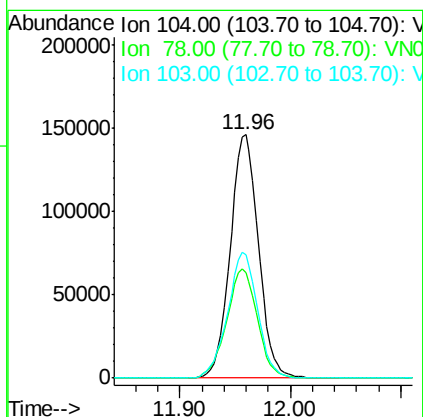
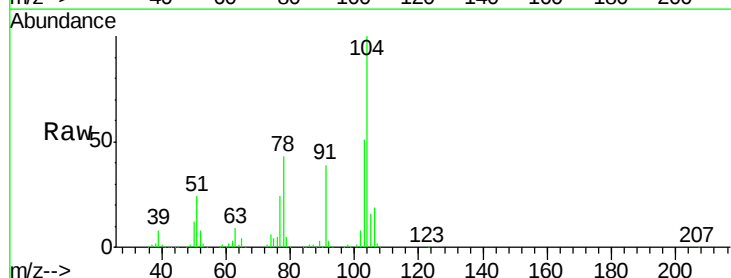
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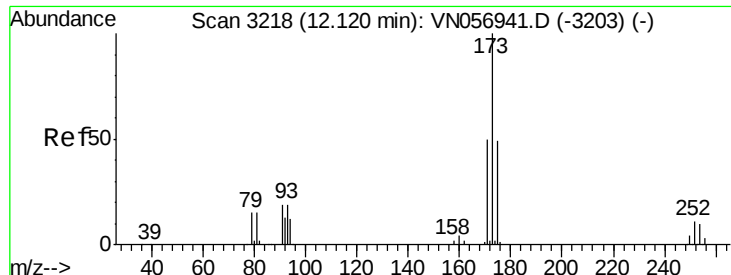
MMdadoda
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#70
Styrene
Concen: 20.183 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion:104 Resp: 260102
Ion Ratio Lower Upper
104 100
78 48.6 38.1 57.1
103 54.8 44.3 66.5





#71

Bromoform

Concen: 21.324 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion:173 Resp: 69448

Ion Ratio Lower Upper

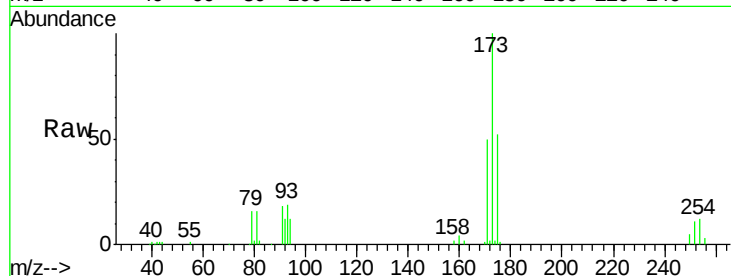
173 100

175 49.1 24.1 72.4

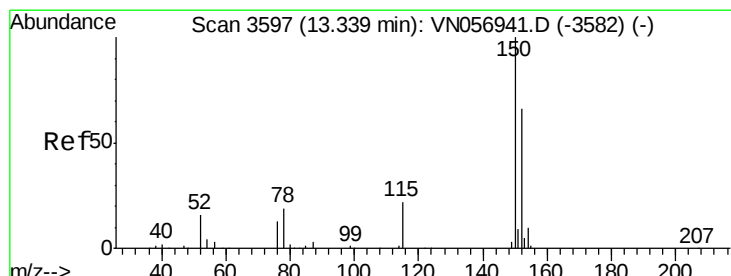
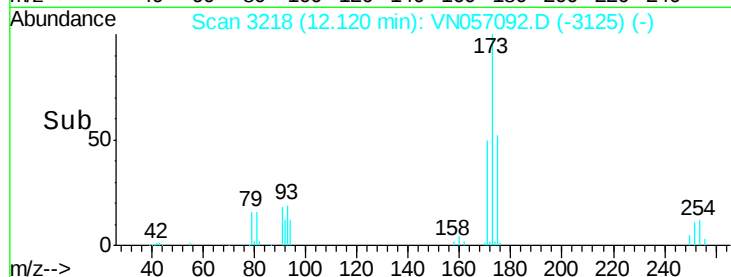
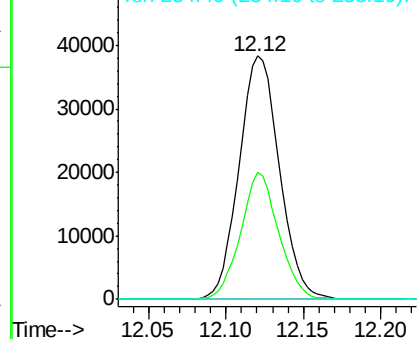
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

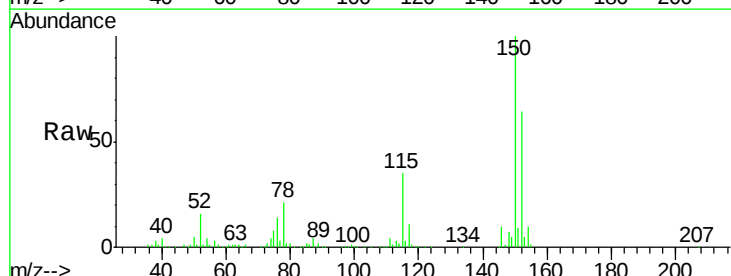
Tgt Ion:152 Resp: 231643

Ion Ratio Lower Upper

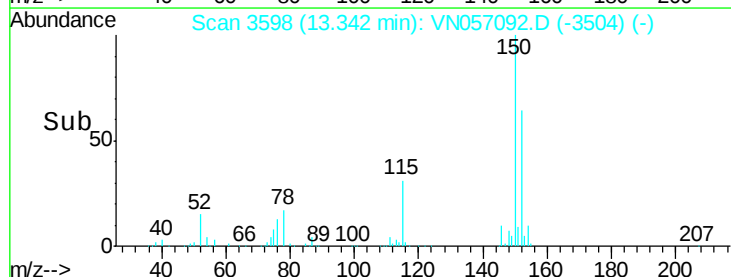
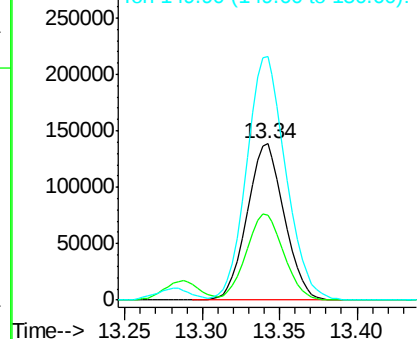
152 100

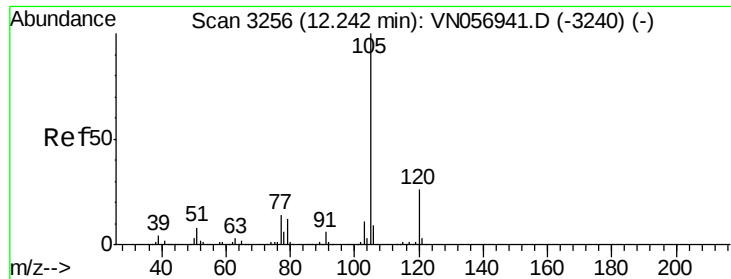
115 55.5 28.2 84.6

150 164.2 0.0 349.4



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: 21.816 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

Tot Ion: 105 Resp: 436744

Ion Ratio Lower Upper

105 100

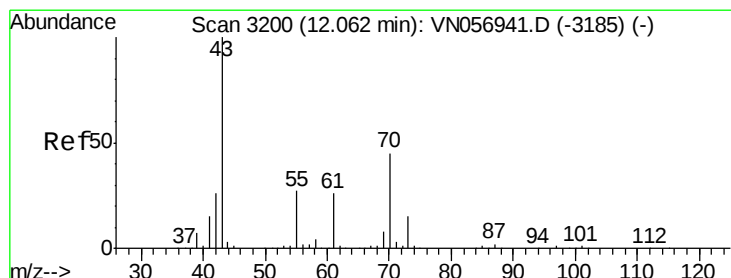
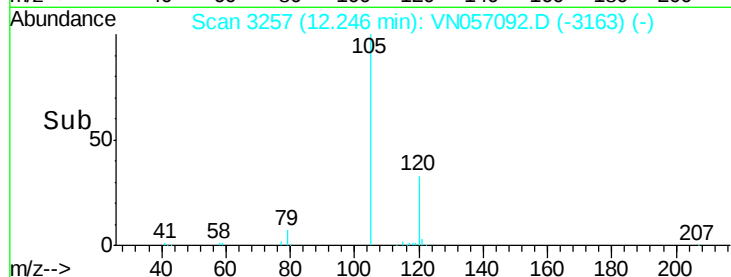
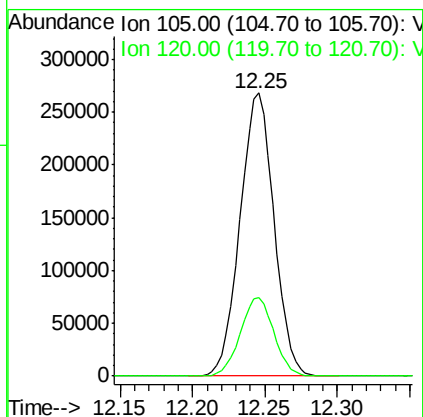
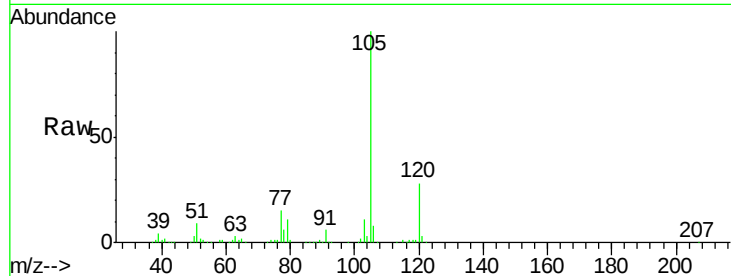
120 27.5 13.5 40.5

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#74

N-ethyl acetate

Concen: 21.198 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion: 43 Resp: 123221

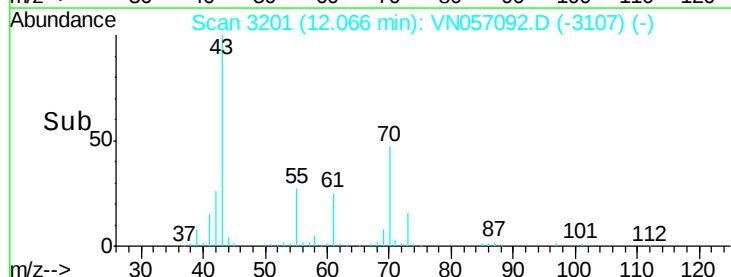
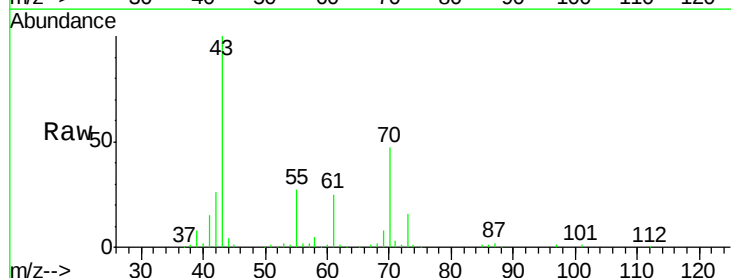
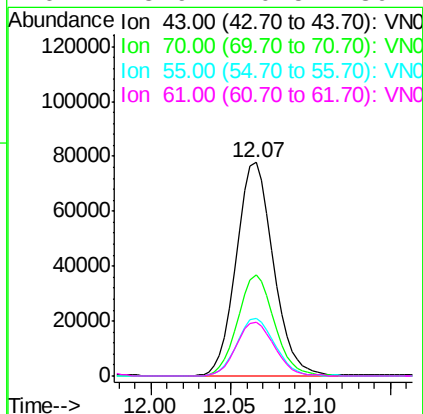
Ion Ratio Lower Upper

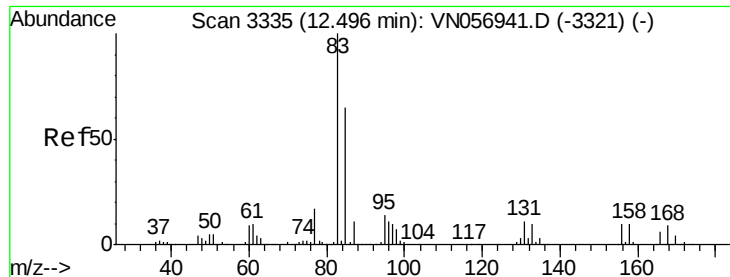
43 100

70 46.6 36.5 54.7

55 27.6 21.4 32.0

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.398 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

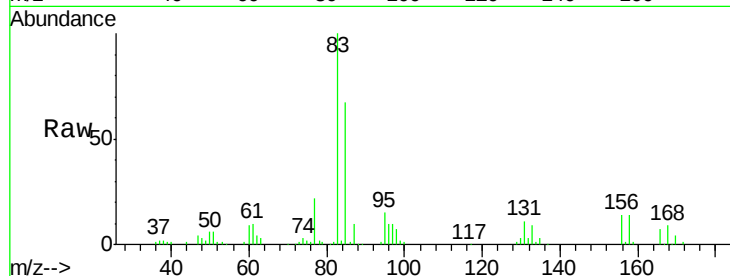
ClientSampled :

VN0806WBS01

Tot Ion:	83	Resp:	120475
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	65.1	32.5	97.4

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MMdadoda
8/9/2019 12:51:33 AM

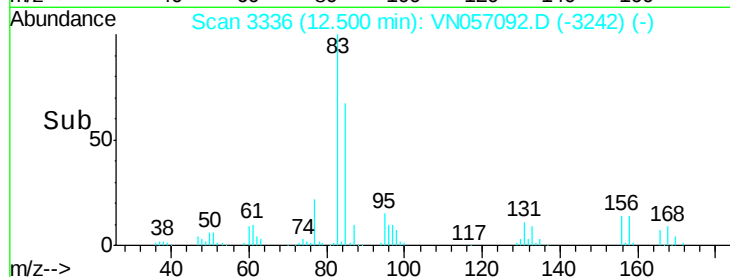


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

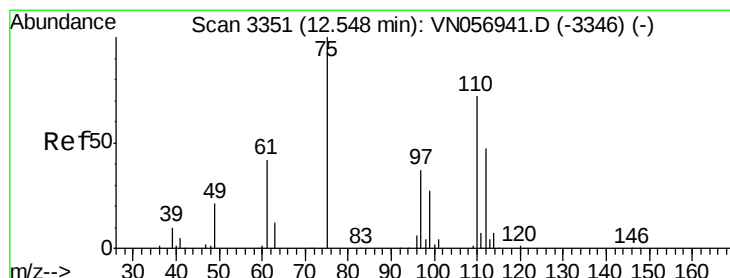
Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.339 ug/l m

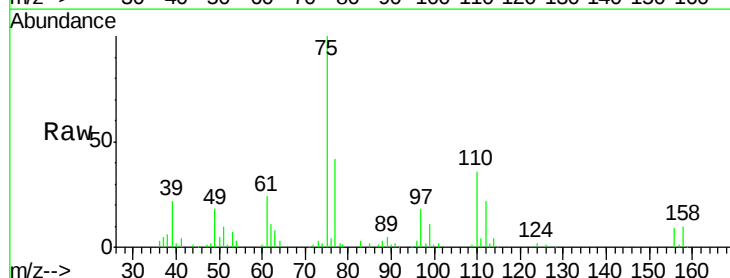
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

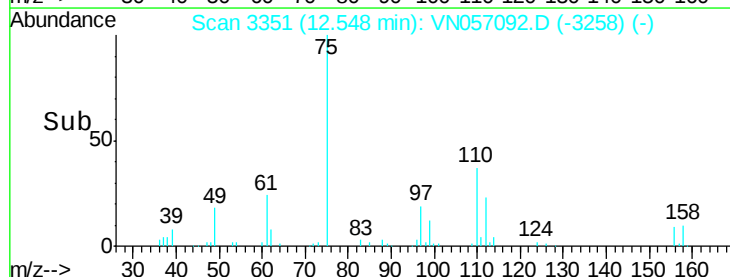
Tgt Ion:	75	Resp:	105090
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



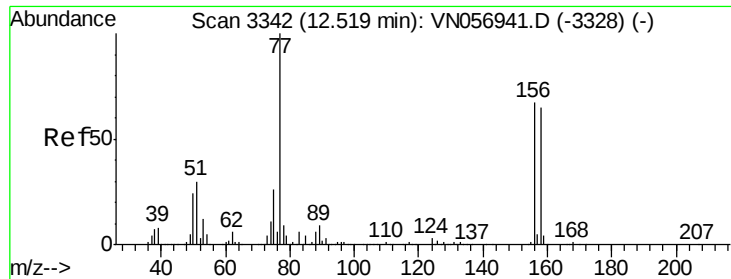
Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 21.746 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

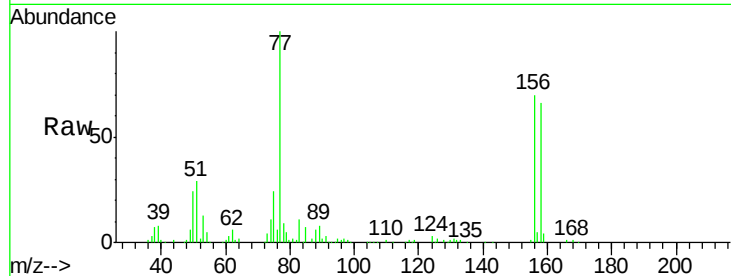
ClientSampled :

VN0806WBS01

Tot Ion:	156	Resp:	113621
Ion Ratio	Lower	Upper	
156	100		
77	177.4	89.5	268.5
158	95.5	48.4	145.3

Manual Integrations
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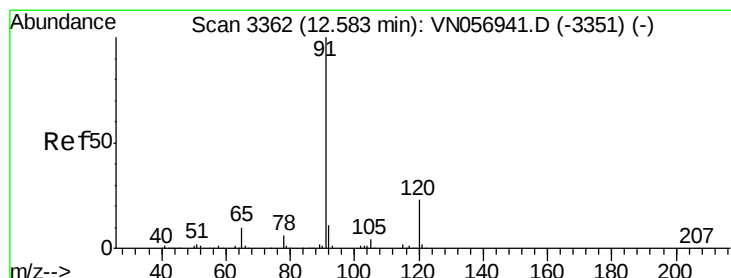
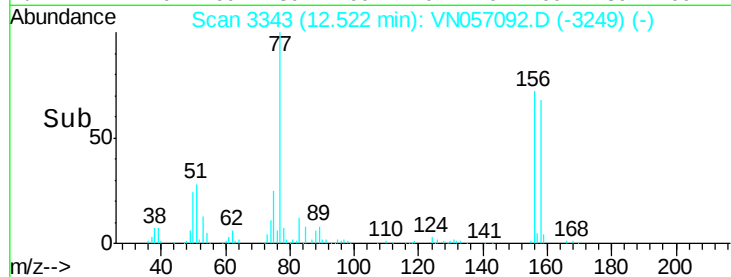
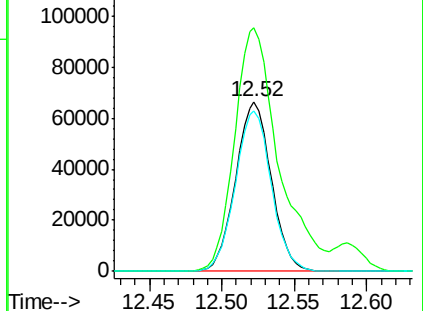
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8/9/2019 12:51:33 AM



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: 21.231 ug/l

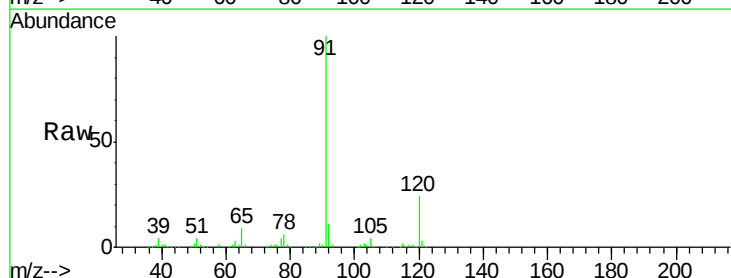
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057092.D

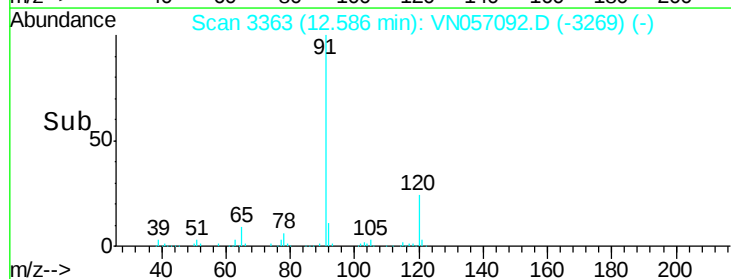
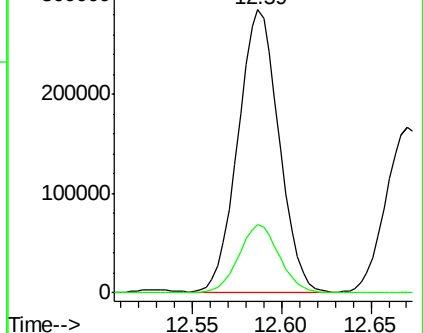
Acq: 6 Aug 2019 10:51

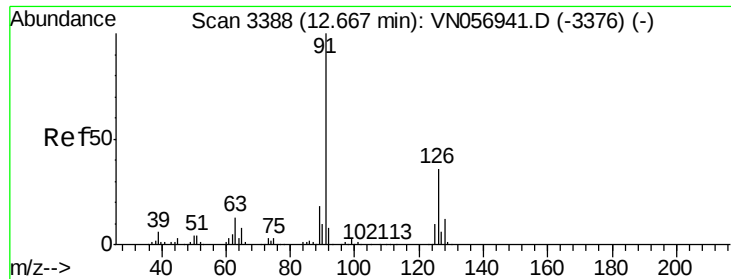
Tgt Ion:	91	Resp:	453825
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.326 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion: 91 Resp: 280699

Ion Ratio Lower Upper

91 100

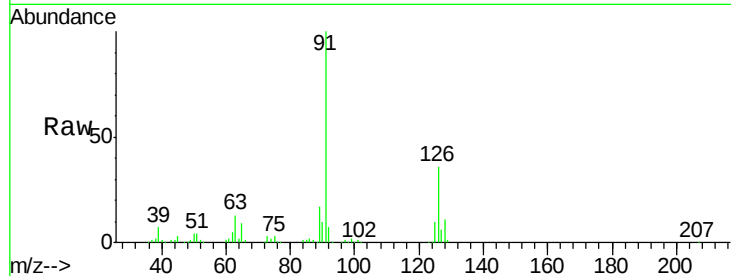
126 36.4 17.9 53.7

Manual Integrations

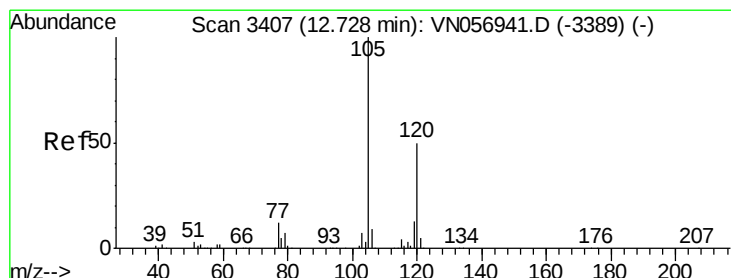
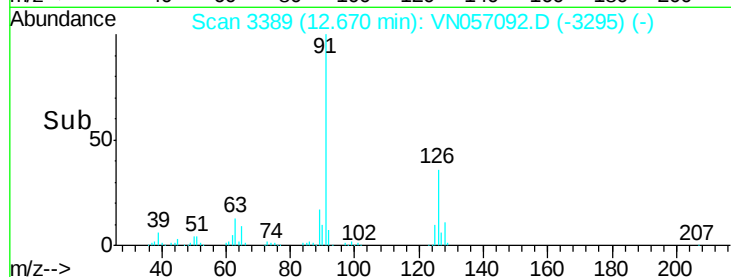
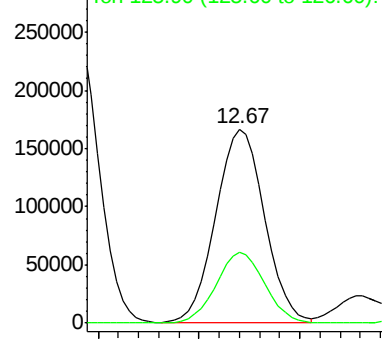
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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.277 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057092.D

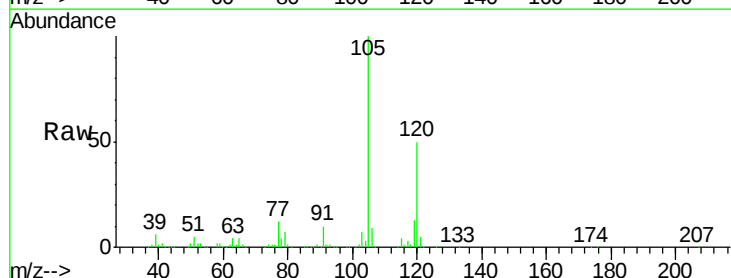
Acq: 6 Aug 2019 10:51

Tgt Ion: 105 Resp: 366031

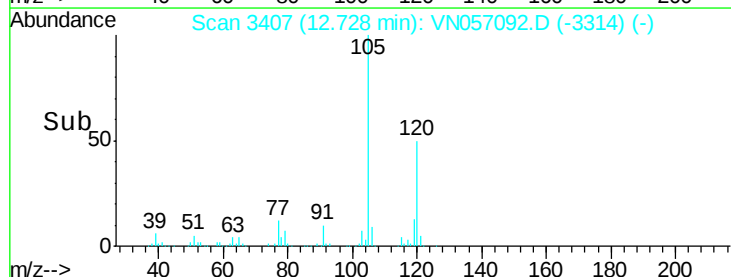
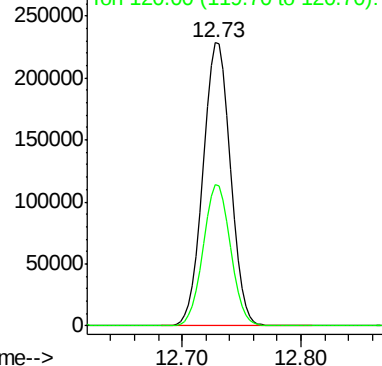
Ion Ratio Lower Upper

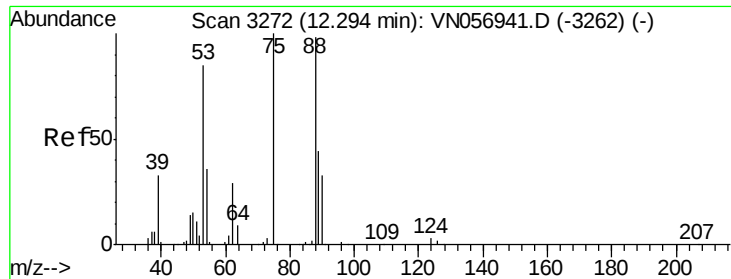
105 100

120 49.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.765 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

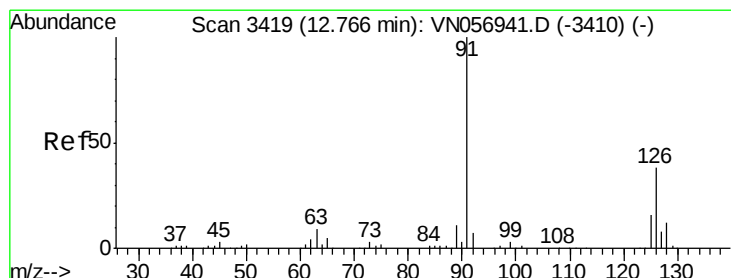
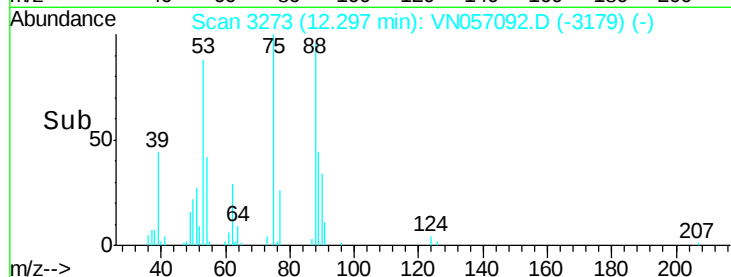
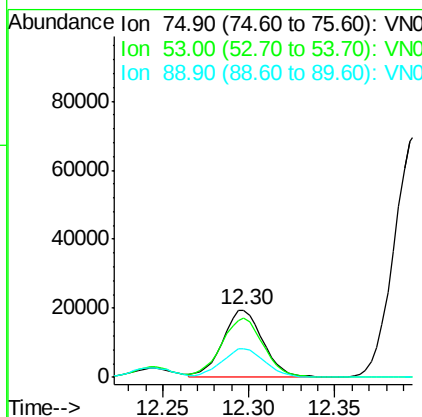
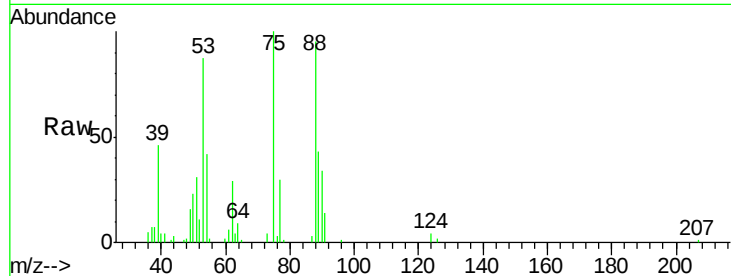
ClientSampled :

VN0806WBS01

Tot Ion:	75	Resp:	31867
Ion Ratio	Lower	Upper	
75	100		
53	92.4	69.3	103.9
89	45.3	35.8	53.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.383 ug/l

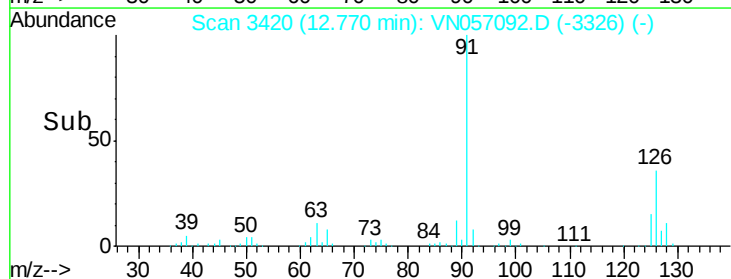
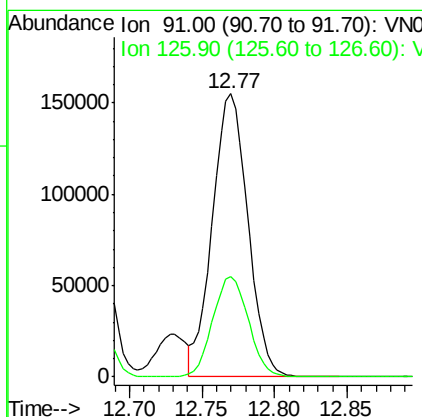
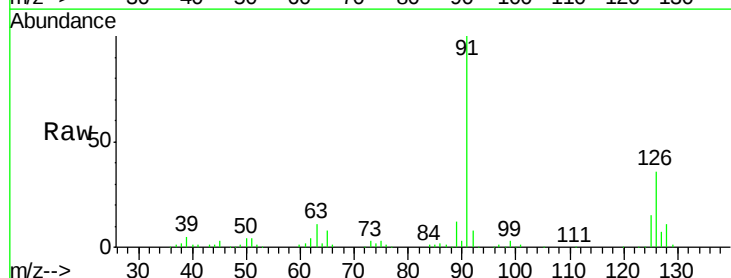
RT: 12.77 min Scan# 3420

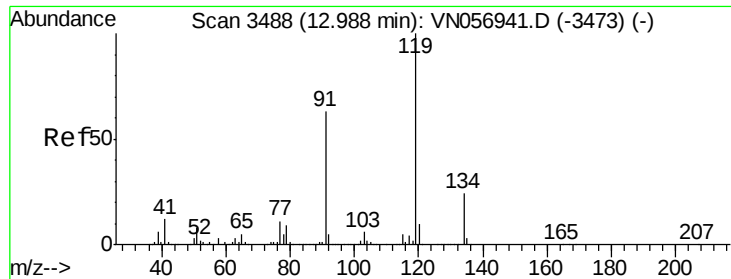
Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	91	Resp:	263389
Ion Ratio	Lower	Upper	
91	100		
126	35.6	17.5	52.5





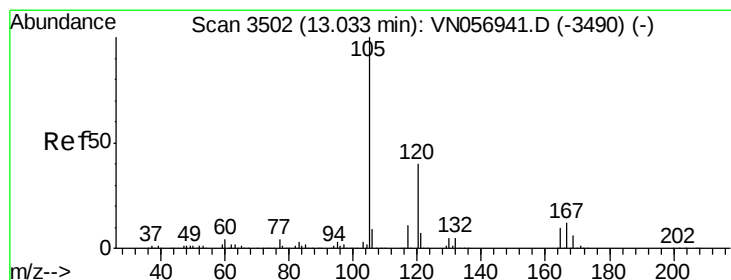
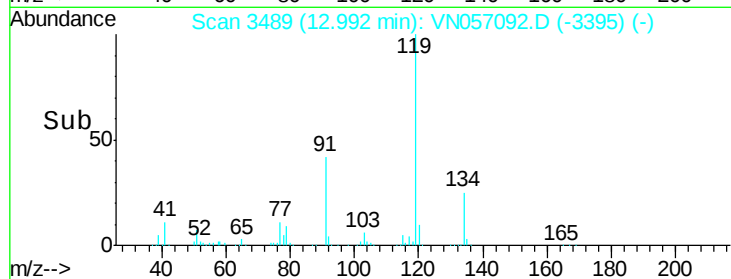
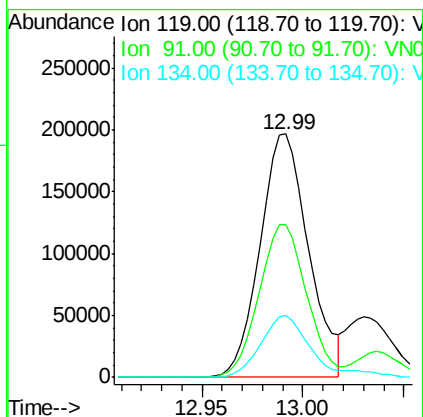
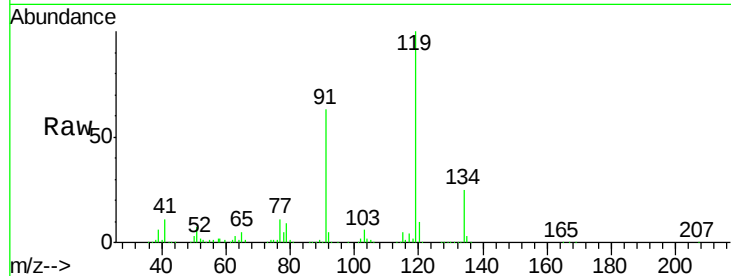
#83
tert-Butylbenzene
Concen: 22.680 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	329884		
91	61.8		31.3	93.8
134	26.5		13.3	39.8

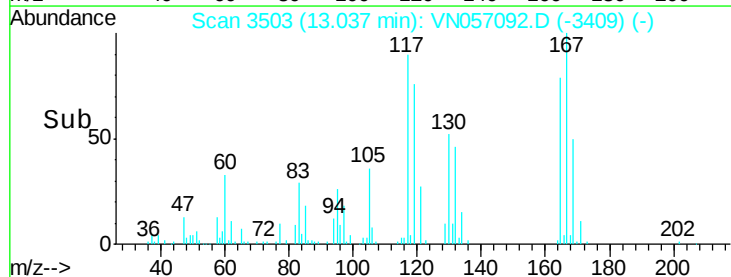
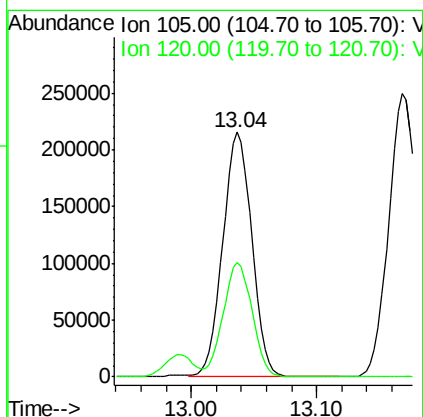
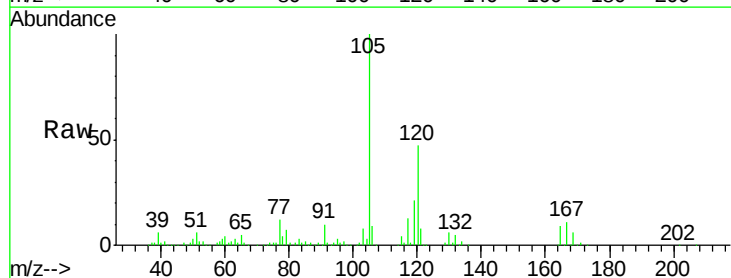
Manual Integrations
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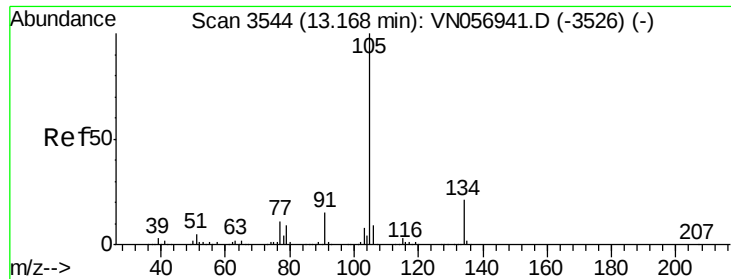
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#84
1,2,4-Trimethylbenzene
Concen: 21.929 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	346699		
120	46.5		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.627 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

Tot Ion:105 Resp: 405753

Ion Ratio Lower Upper

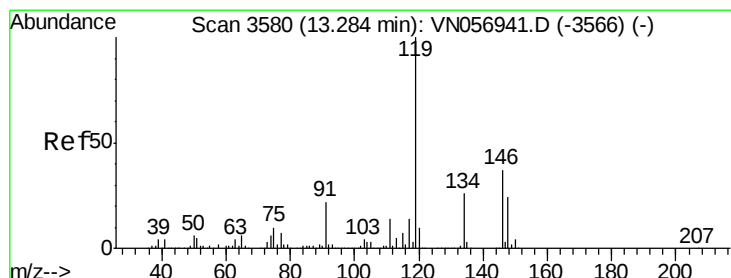
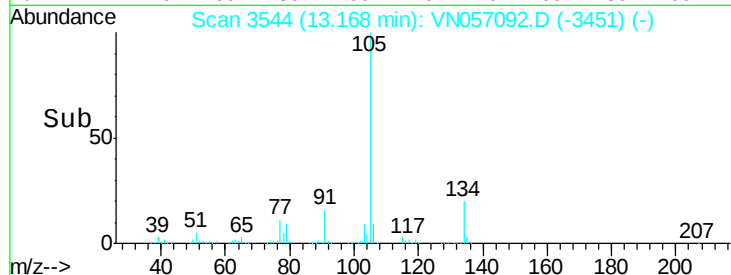
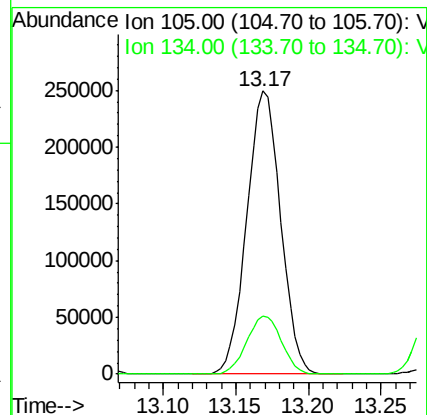
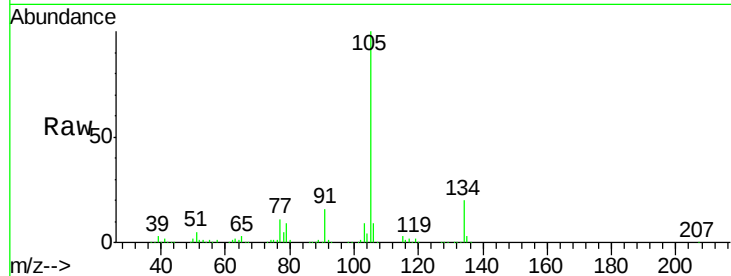
105 100

134 21.0 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.585 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

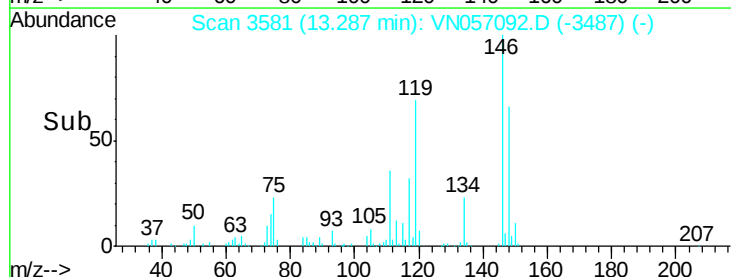
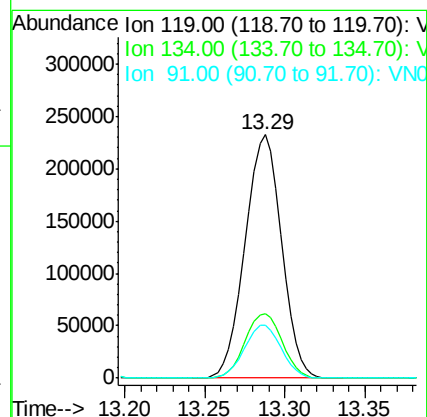
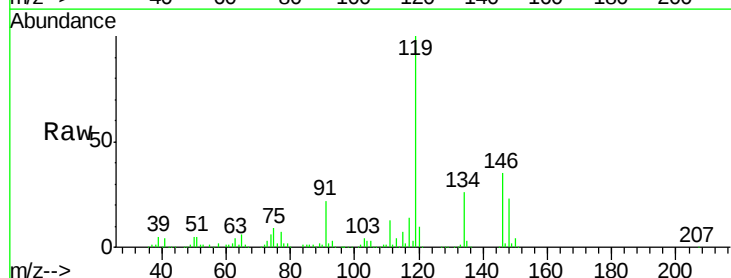
Tgt Ion:119 Resp: 359537

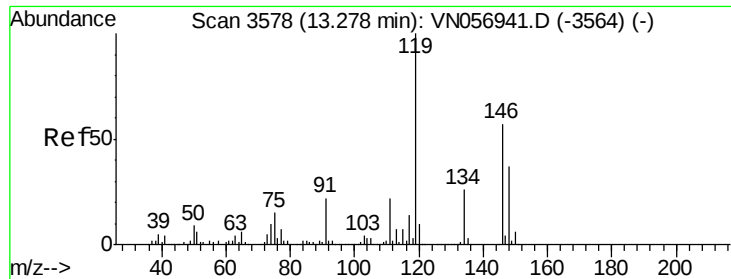
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.1 11.0 33.0





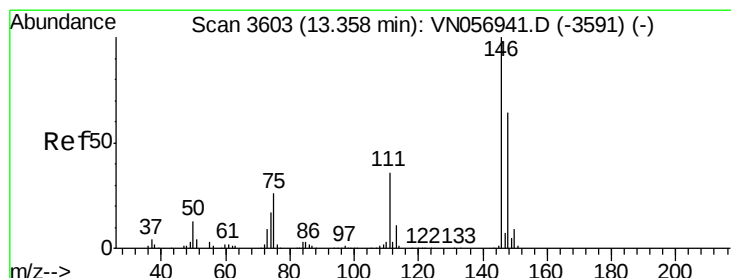
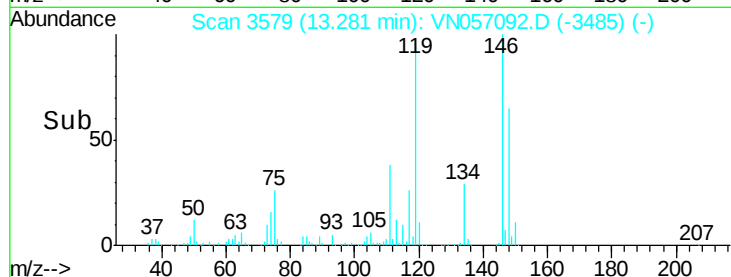
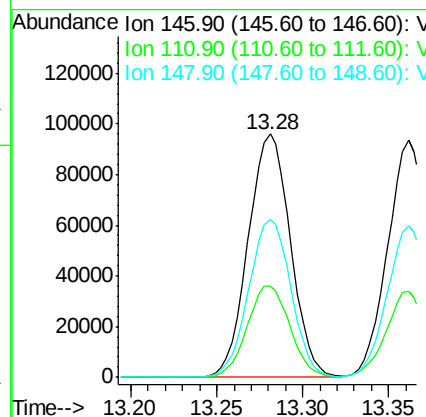
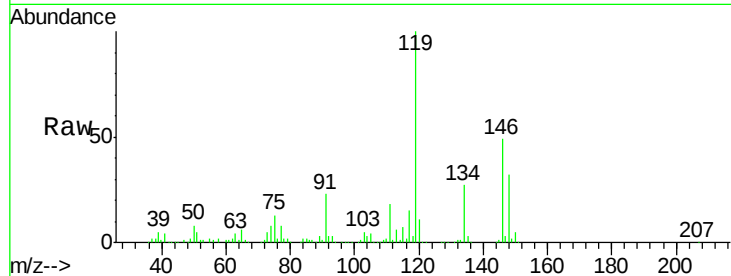
#87
 1,3-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.1	32.2	96.6

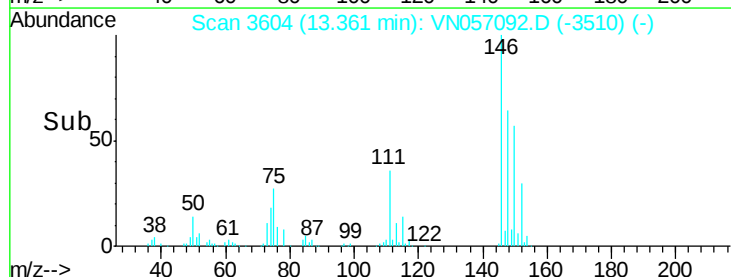
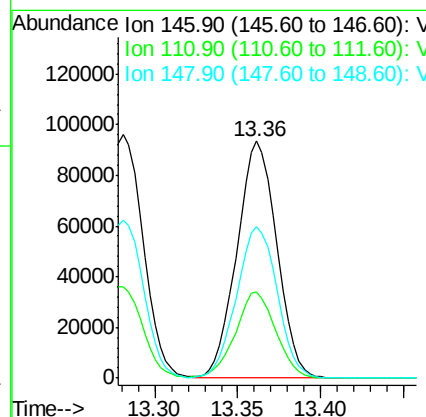
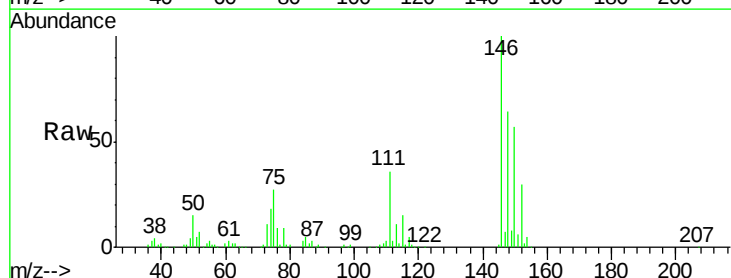
Manual Integrations
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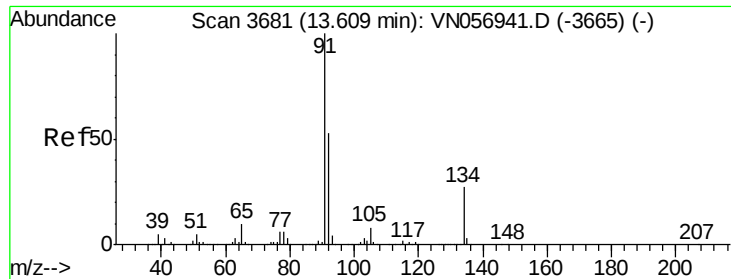
MMdadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.516 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	65.1	32.3	96.9





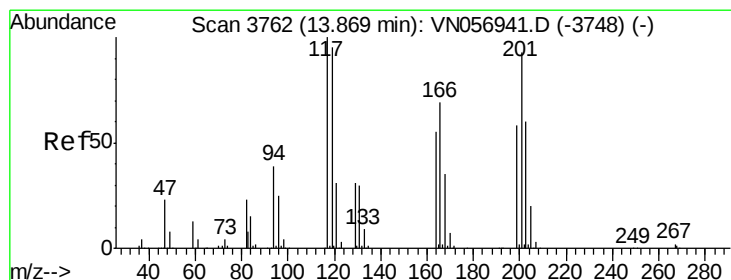
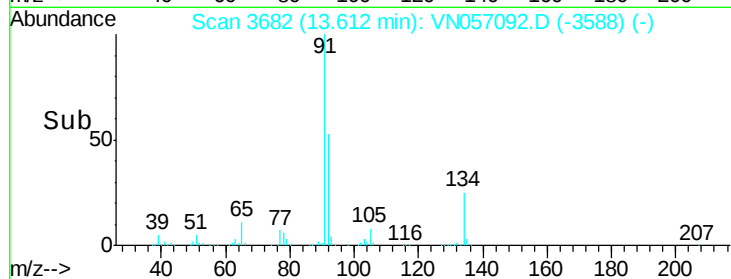
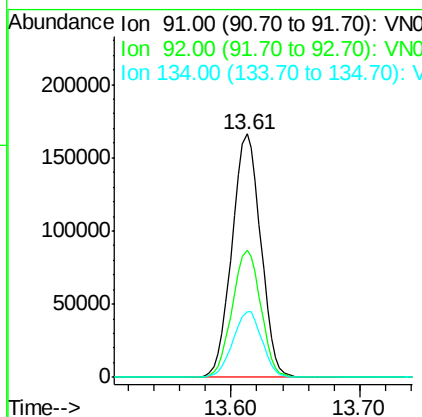
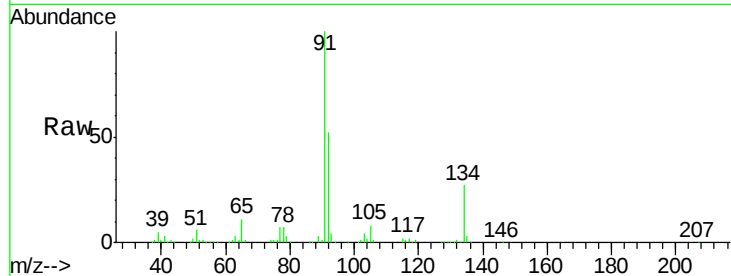
#89
n-Butylbenzene
Concen: 20.049 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	27.4	13.5	40.4

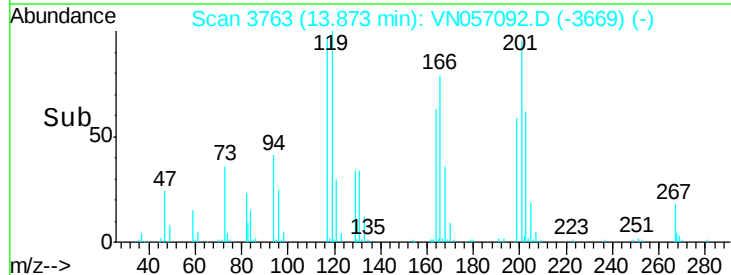
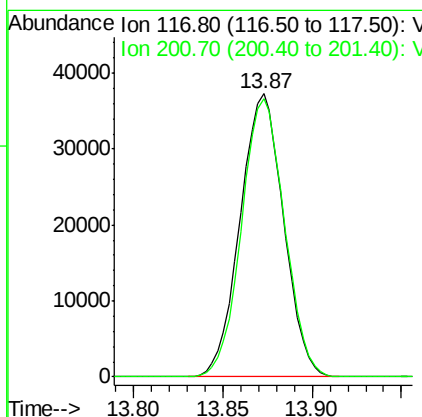
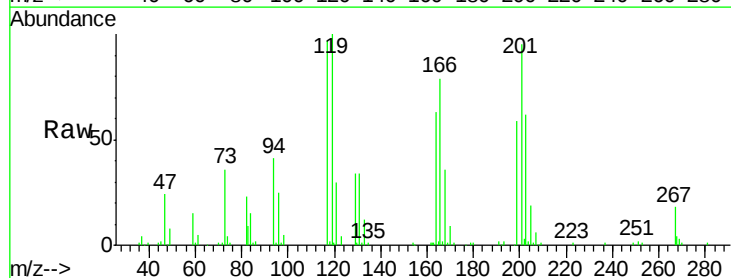
Manual Integrations
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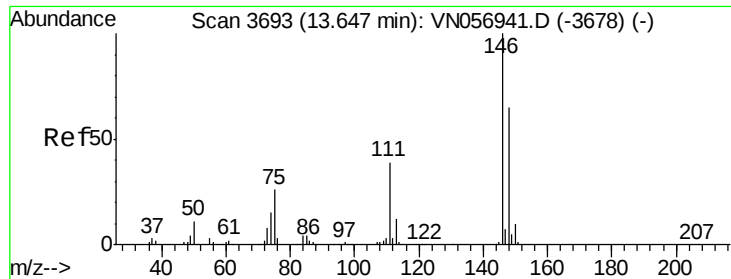
MMdadoda
8/9/2019 12:51:33 AM



#90
Hexachloroethane
Concen: 22.193 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057092.D
Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	47.0	141.2





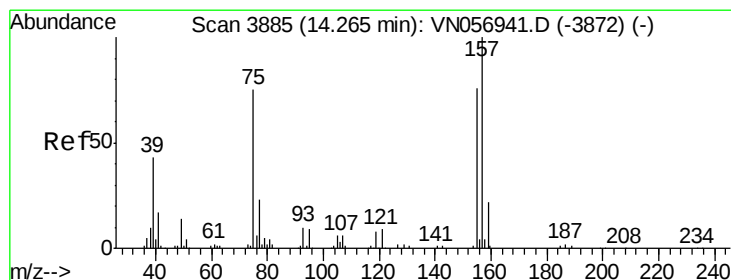
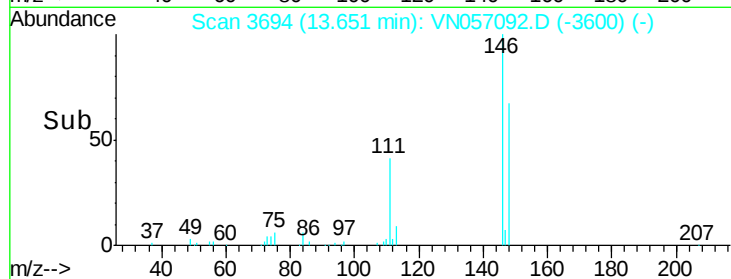
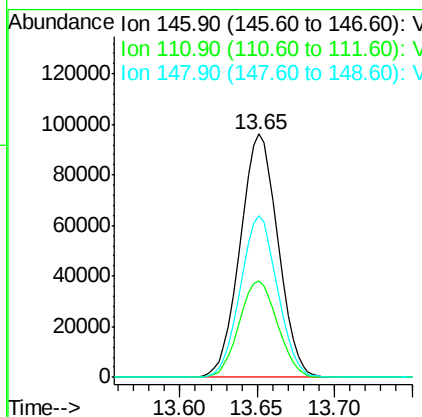
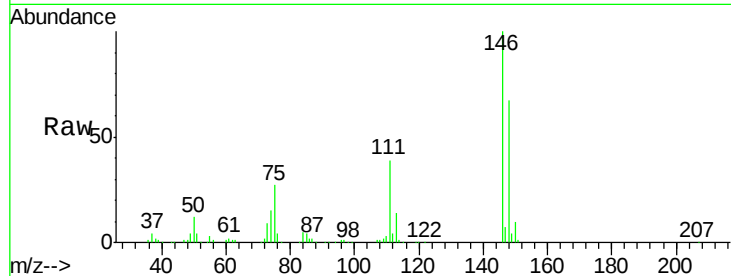
#91
 1,2-Dichlorobenzene
 Concen: 20.959 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.4
148	65.0	32.2	96.6

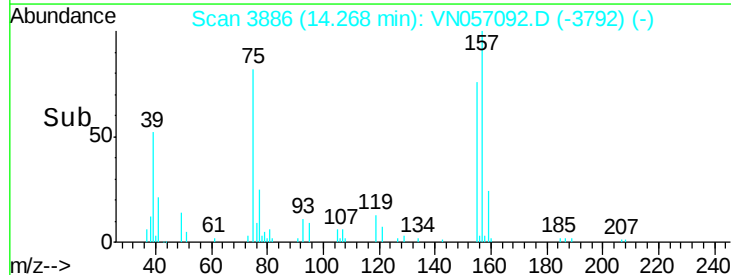
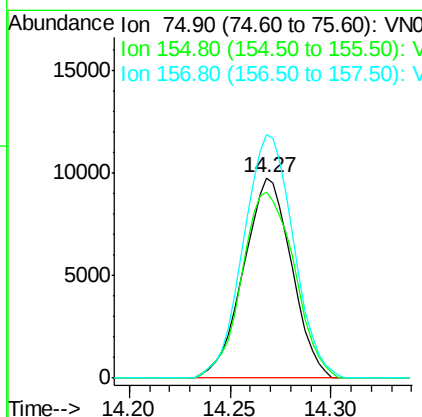
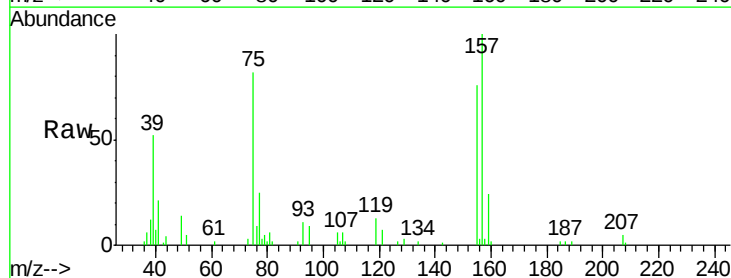
Manual Integrations
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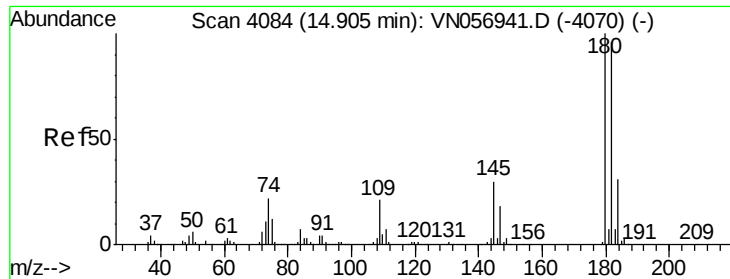
MMdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.404 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	50.2	150.6
157	126.6	65.1	195.4





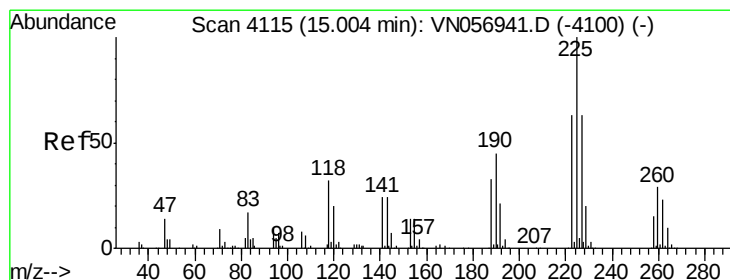
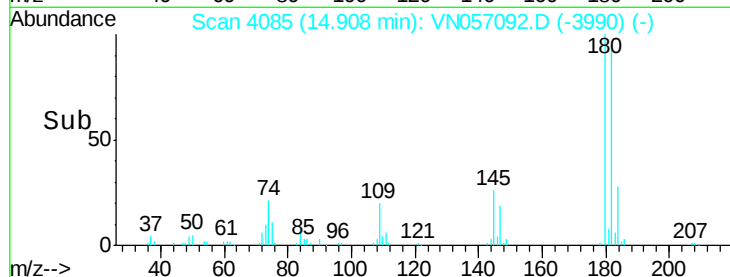
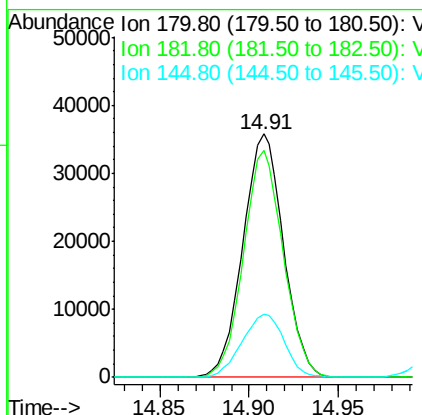
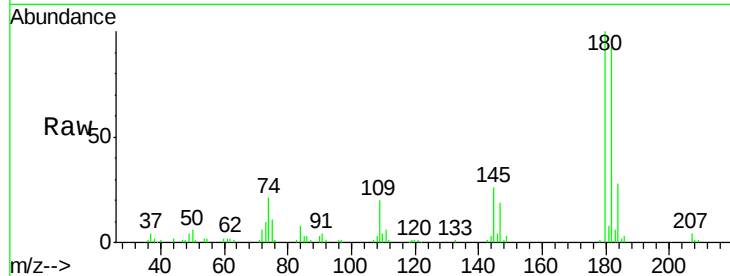
#93
 1,2,4-Trichlorobenzene
 Concen: 16.042 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.6	142.8
145	27.0	14.2	42.8

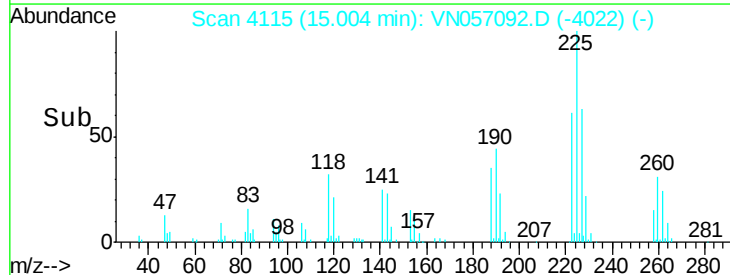
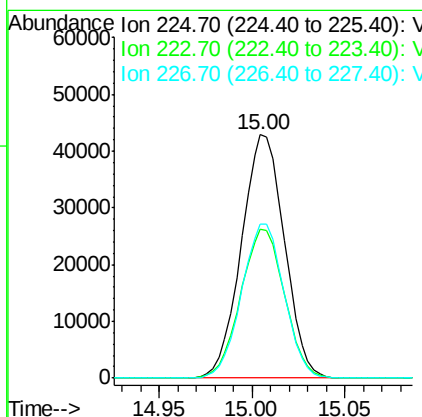
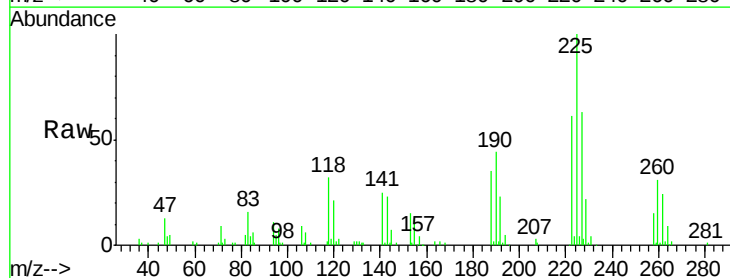
Manual Integrations
 APPROVED

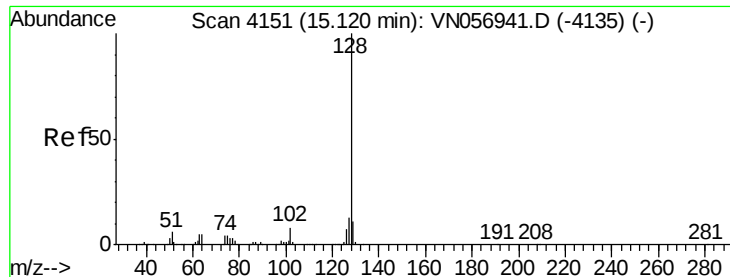
MMdadoda
 8/9/2019 12:51:33 AM



#94
 Hexachlorobutadiene
 Concen: 23.533 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057092.D
 Acq: 6 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.8	92.4
227	62.3	31.1	93.5





#95

Naphthalene

Concen: 16.172 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Instrument :

MSVOA_N

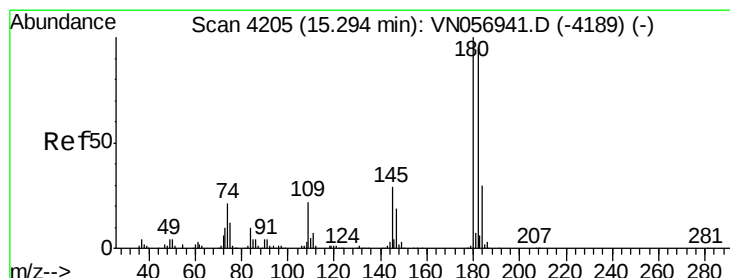
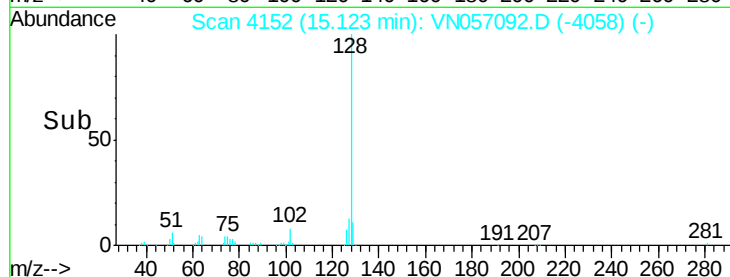
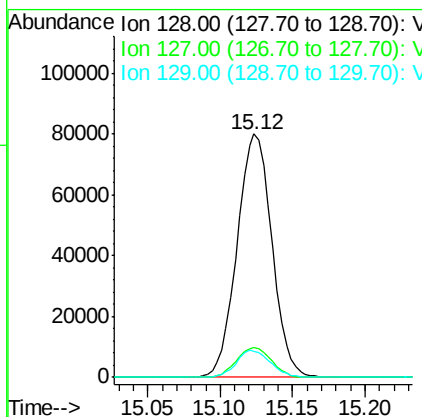
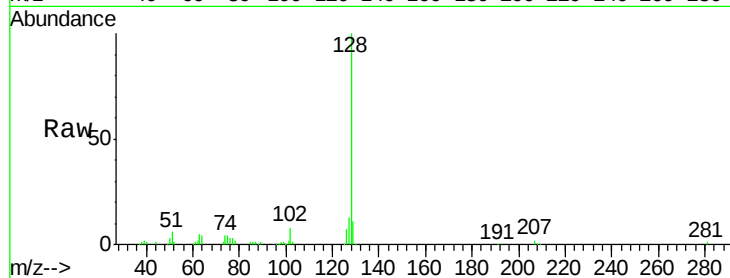
ClientSampled :

VN0806WBS01

Tot Ion:	128	Resp:	133428
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.311 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057092.D

Acq: 6 Aug 2019 10:51

Tgt Ion:	180	Resp:	64894
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.0	144.2
145	29.5	15.0	45.0

