

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057650.D
 Acq On : 1 Sep 2019 17:44
 Operator : JC/SP
 Sample : VN0902WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:03:04 AM

Quant Time: Sep 02 03:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	179877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	281161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	116049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	211924	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.58	113	135689	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.08	98	530485	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	186260	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	61093	21.239	ug/l	97
3) Chloromethane	2.05	50	71400	21.532	ug/l	96
4) Vinyl Chloride	2.18	62	57144	22.001	ug/l	98
5) Bromomethane	2.51	94	36069	21.948	ug/l	95
6) Chloroethane	2.66	64	32715	22.550	ug/l	100
7) Trichlorofluoromethane	3.00	101	78131	21.430	ug/l	97
8) Diethyl Ether	3.40	74	25869	21.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38847	21.017	ug/l	97
10) Methyl Iodide	3.92	142	52645	22.060	ug/l	98
11) Tert butyl alcohol	4.81	59	44301	103.948	ug/l #	81
12) 1,1-Dichloroethene	3.71	96	35081	20.938	ug/l	90
13) Acrolein	3.59	56	15088	89.039	ug/l	92
14) Allyl chloride	4.30	41	103561	19.813	ug/l	98
15) Acrylonitrile	4.98	53	137032	107.153	ug/l	99
16) Acetone	3.81	43	104160	91.466	ug/l	94
17) Carbon Disulfide	4.02	76	103082	19.030	ug/l	98
18) Methyl Acetate	4.31	43	80804	20.665	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	182008	20.997	ug/l	95
20) Methylene Chloride	4.53	84	61668	21.874	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	52744	21.175	ug/l	98
22) Diisopropyl ether	5.94	45	225986	21.032	ug/l	94
23) Vinyl Acetate	5.88	43	870214	105.378	ug/l	98
24) 1,1-Dichloroethane	5.83	63	114996	21.320	ug/l	99
25) 2-Butanone	6.83	43	188883	99.540	ug/l	99
26) 2,2-Dichloropropane	6.81	77	75123	17.425	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	62301	20.945	ug/l	99
28) Bromochloromethane	7.18	49	54864	19.101	ug/l	97
29) Tetrahydrofuran	7.21	42	125924	105.775	ug/l	100
30) Chloroform	7.36	83	117557	21.484	ug/l	90
31) Cyclohexane	7.64	56	109367	20.316	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	93557	20.843	ug/l	99
36) 1,1-Dichloropropene	7.78	75	85330	20.919	ug/l	100
37) Ethyl Acetate	6.92	43	81492	20.973	ug/l	98
38) Carbon Tetrachloride	7.75	117	73294	20.073	ug/l	94

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	97804	20.294	ug/l	98
40) Benzene	8.03	78	249661	21.026	ug/l	98
41) Methacrylonitrile	7.16	41	38770	19.270	ug/l	94
42) 1,2-Dichloroethane	8.11	62	101177	20.979	ug/l	99
43) Isopropyl Acetate	8.16	43	141596	20.255	ug/l	100
44) Trichloroethene	8.83	130	54832	20.356	ug/l	98
45) 1,2-Dichloropropane	9.11	63	67650	20.454	ug/l	98
46) Dibromomethane	9.20	93	42785	20.893	ug/l	97
47) Bromodichloromethane	9.40	83	80081	19.248	ug/l	96
48) Methyl methacrylate	9.19	41	73079	20.475	ug/l	97
49) 1,4-Dioxane	9.20	88	17219	411.993	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	425463	106.187	ug/l	100
52) Toluene	10.15	92	147048	20.953	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	79209	19.164	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	91917	19.164	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	54962	20.642	ug/l	98
56) Ethyl methacrylate	10.43	69	90125	20.283	ug/l	96
57) 1,3-Dichloropropane	10.71	76	101193	20.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	113541	87.340	ug/l	98
59) 2-Hexanone	10.75	43	290037	98.573	ug/l	100
60) Dibromochloromethane	10.90	129	48358	18.937	ug/l	98
61) 1,2-Dibromoethane	11.00	107	54663	20.388	ug/l	98
64) Tetrachloroethene	10.63	164	52184	21.435	ug/l	98
65) Chlorobenzene	11.43	112	150510	21.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	48522	19.747	ug/l	98
67) Ethyl Benzene	11.51	91	289049	21.115	ug/l	100
68) m/p-Xylenes	11.62	106	195973	40.637	ug/l	100
69) o-Xylene	11.95	106	96819	20.716	ug/l	98
70) Styrene	11.96	104	153545	19.894	ug/l	99
71) Bromoform	12.13	173	28009	19.649	ug/l #	97
73) Isopropylbenzene	12.25	105	268538	22.919	ug/l	98
74) N-amyl acetate	12.07	43	120526	21.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	76208	22.068	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73508m	24.080	ug/l	
77) Bromobenzene	12.53	156	56432	22.629	ug/l	99
78) n-propylbenzene	12.59	91	276491	21.202	ug/l	99
79) 2-Chlorotoluene	12.68	91	181309	22.296	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216157	22.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16317	18.323	ug/l	98
82) 4-Chlorotoluene	12.77	91	165931	20.615	ug/l	99
83) tert-Butylbenzene	12.99	119	184440	22.551	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	200341	21.483	ug/l	100
85) sec-Butylbenzene	13.17	105	226393	20.579	ug/l	99
86) p-Isopropyltoluene	13.29	119	189335	20.811	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	79909	19.669	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	77874	19.844	ug/l	99
89) n-Butylbenzene	13.62	91	177101	20.772	ug/l	98
90) Hexachloroethane	13.88	117	28851	18.266	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	78114	20.149	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10263	19.301	ug/l	99

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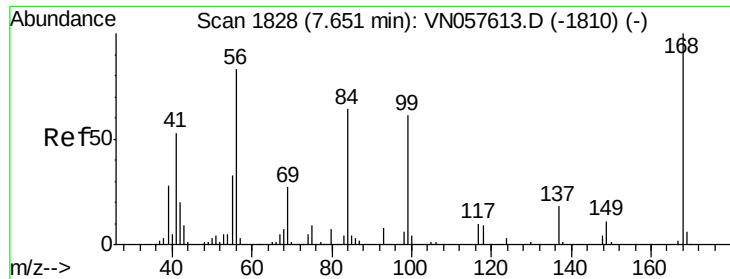
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21488	18.947	ug/l	97
94) Hexachlorobutadiene	15.01	225	26257	19.737	ug/l	97
95) Naphthalene	15.13	128	69878	19.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	22386	18.997	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion:168 Resp: 179877

Ion Ratio Lower Upper

168 100

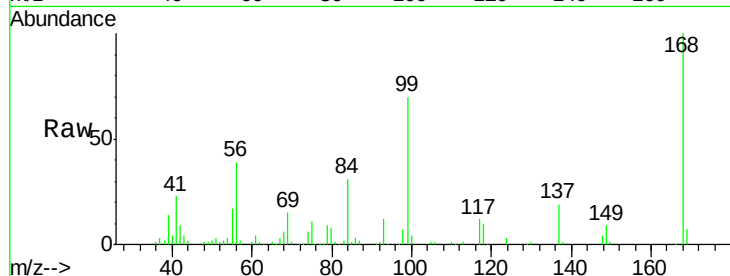
99 69.6 54.2 81.2

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

80000

60000

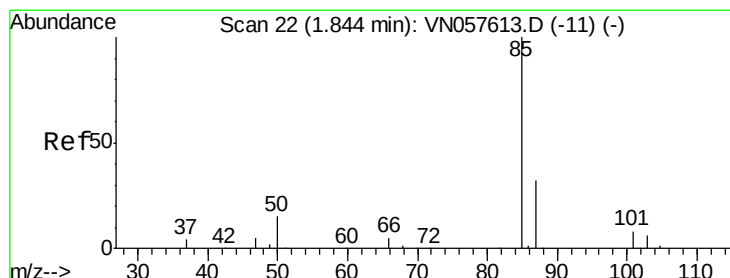
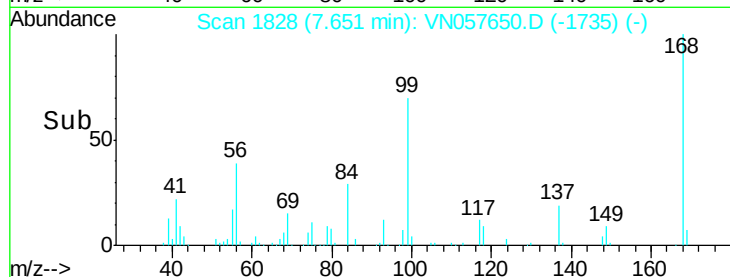
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.239 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057650.D

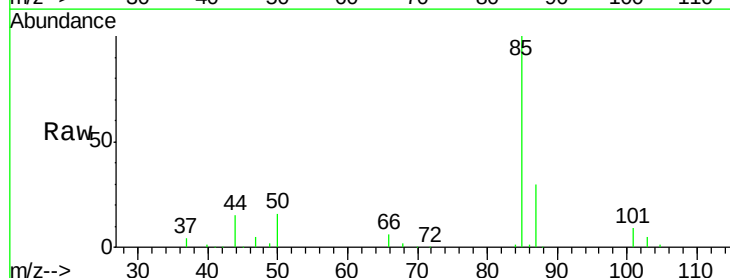
Acq: 1 Sep 2019 17:44

Tgt Ion: 85 Resp: 61093

Ion Ratio Lower Upper

85 100

87 30.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

50000

40000

30000

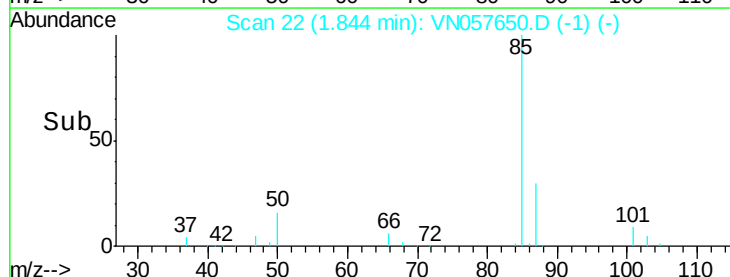
20000

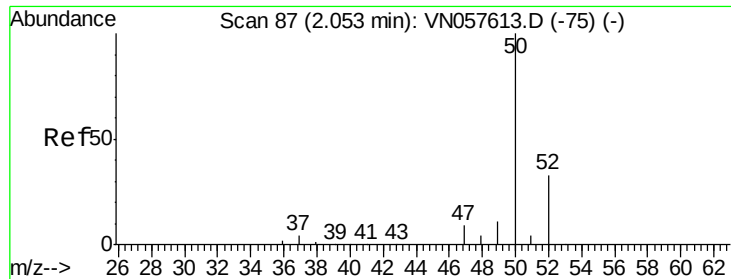
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.532 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion: 50 Resp: 71400

Ion Ratio Lower Upper

50 100

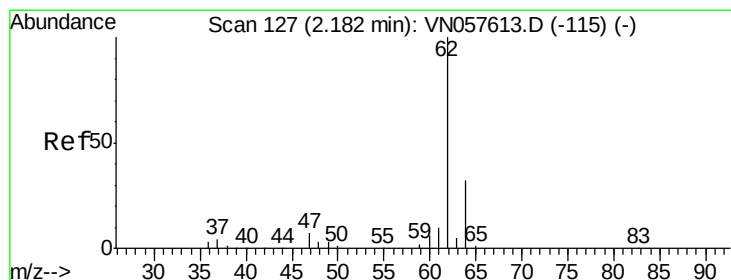
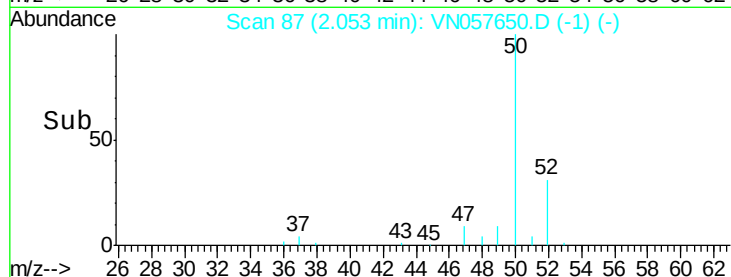
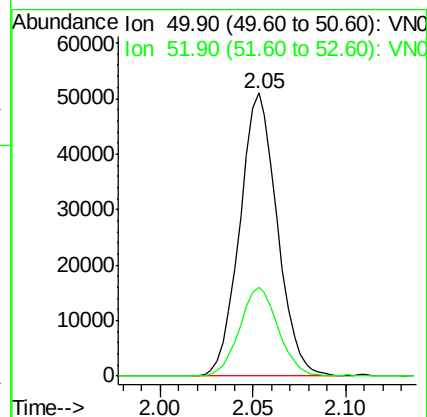
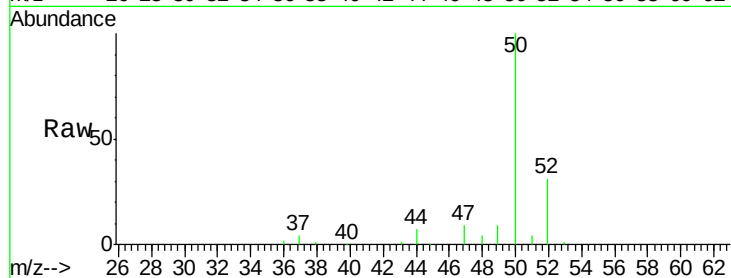
52 31.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.001 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057650.D

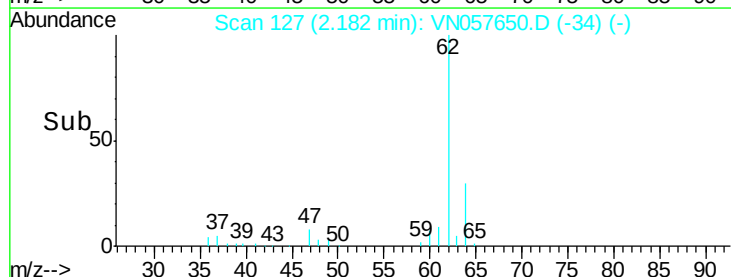
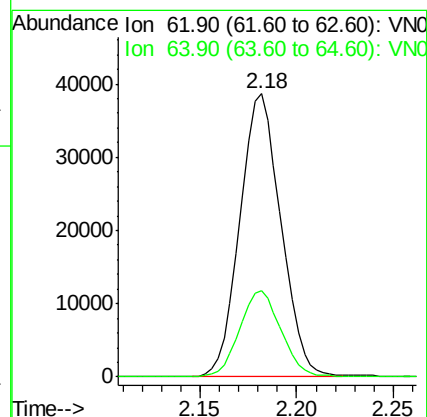
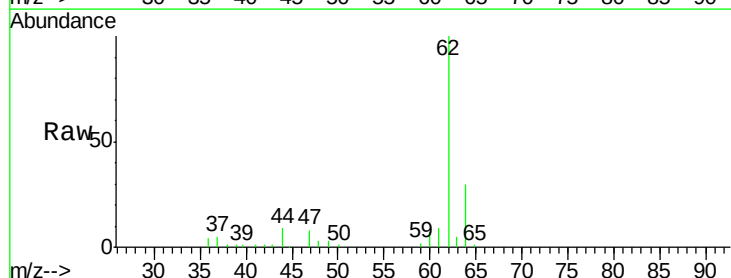
Acq: 1 Sep 2019 17:44

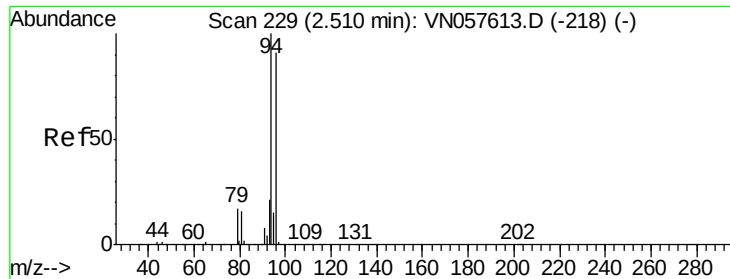
Tgt Ion: 62 Resp: 57144

Ion Ratio Lower Upper

62 100

64 30.3 25.2 37.8





#5

Bromomethane

Concen: 21.948 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion: 94 Resp: 36069

Ion Ratio Lower Upper

94 100

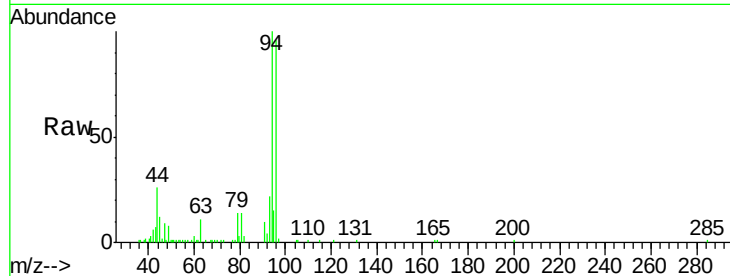
96 96.2 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.51

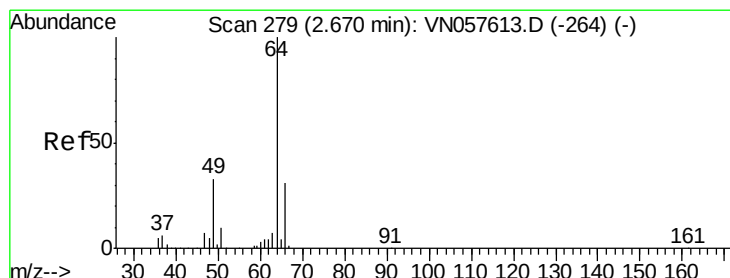
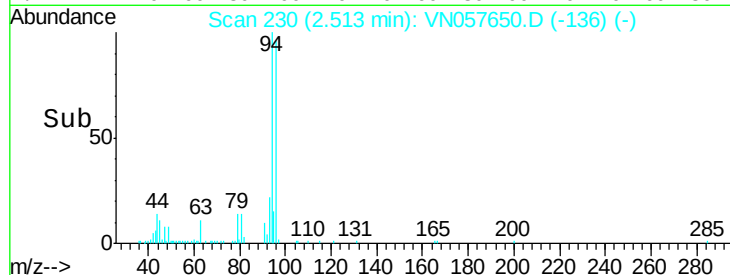
30000

20000

10000

0

Time--> 2.45 2.50 2.55



#6

Chloroethane

Concen: 22.550 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN057650.D

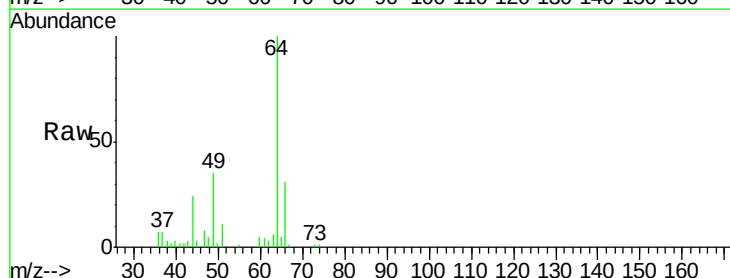
Acq: 1 Sep 2019 17:44

Tgt Ion: 64 Resp: 32715

Ion Ratio Lower Upper

64 100

66 30.8 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.66

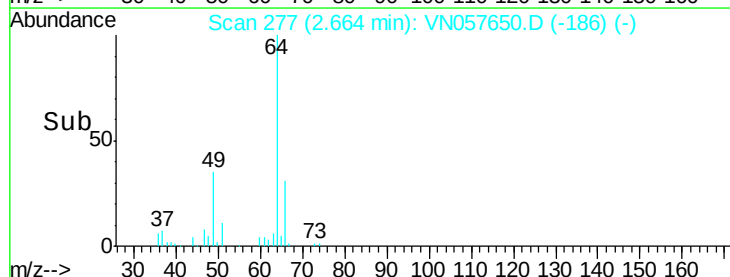
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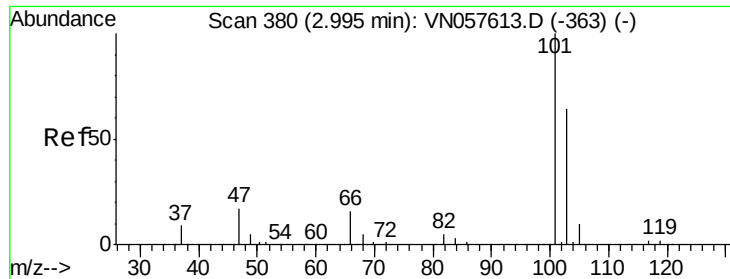
10000

5000

0

Time--> 2.60 2.65 2.70 2.75





#7

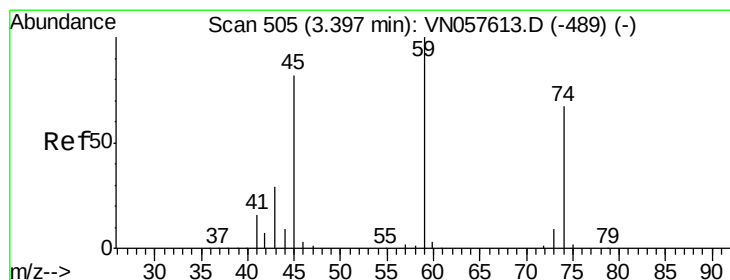
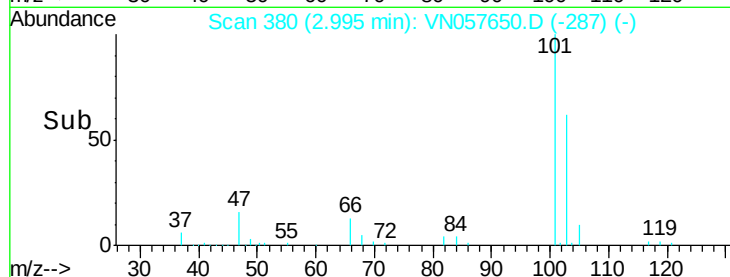
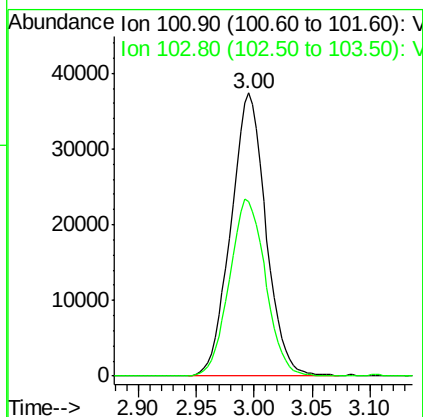
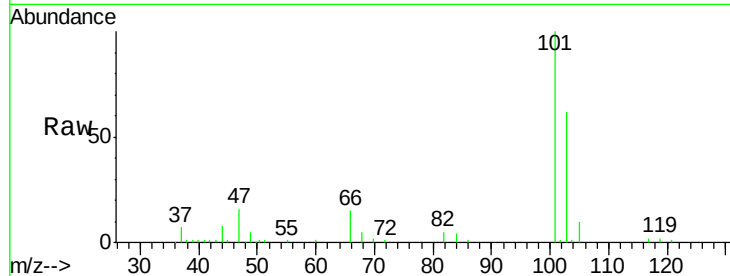
Trichlorofluoromethane
Concen: 21.430 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
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ClientSampleId :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.3	76.9

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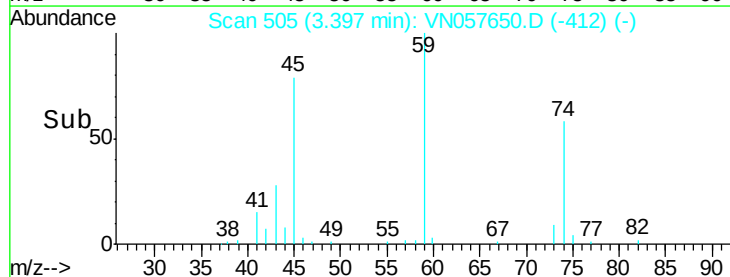
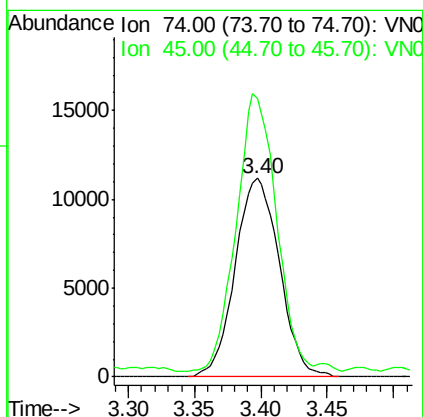
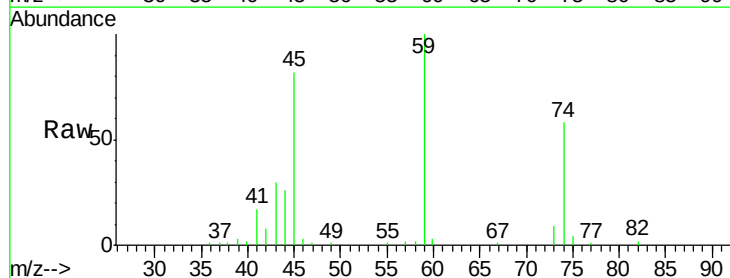
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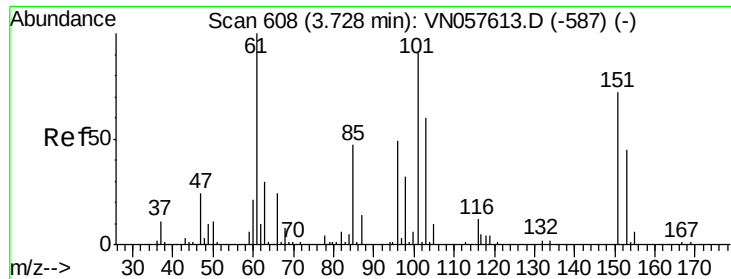


#8

Diethyl Ether
Concen: 21.443 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.3	61.9	185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.017 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

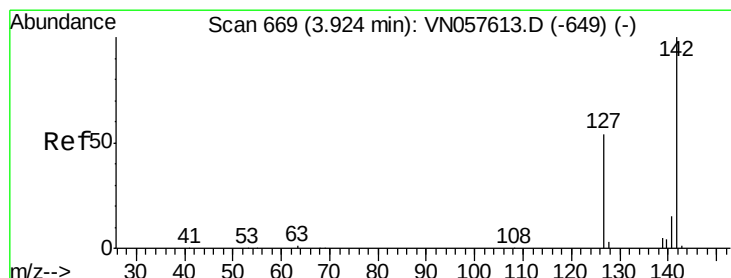
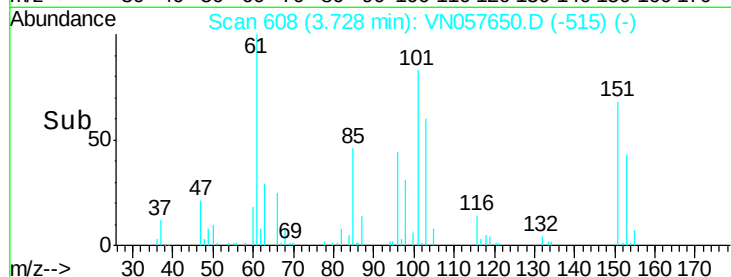
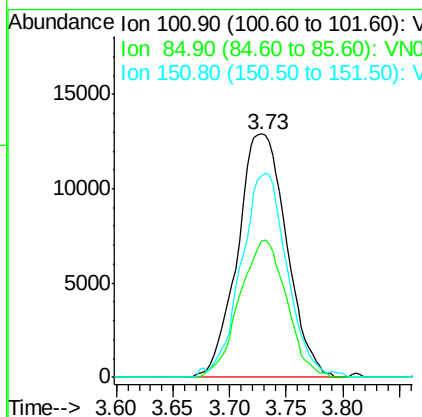
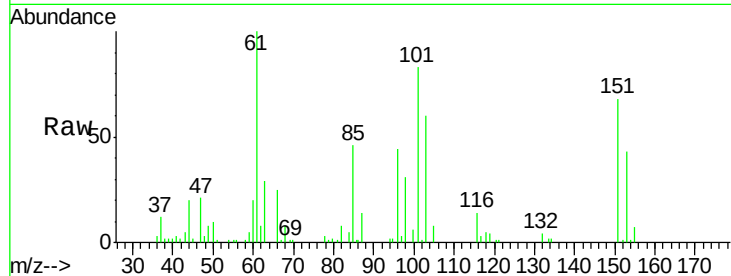
ClientSampled :

VN0902WBSD01

Tot Ion:	101	Resp:	38847
Ion Ratio	Lower	Upper	
101	100		
85	53.7	42.1	63.1
151	79.2	60.2	90.4

Manual Integrations
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#10

Methyl Iodide

Concen: 22.060 ug/l

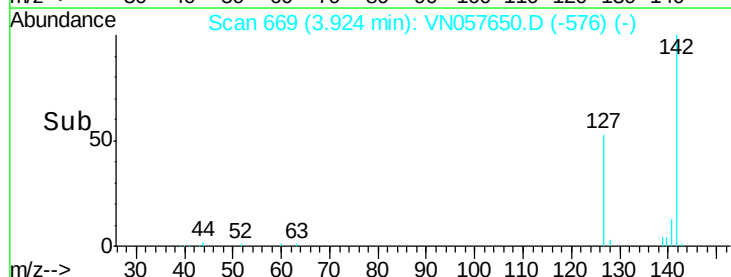
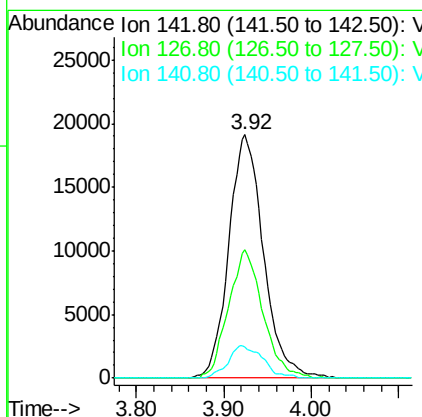
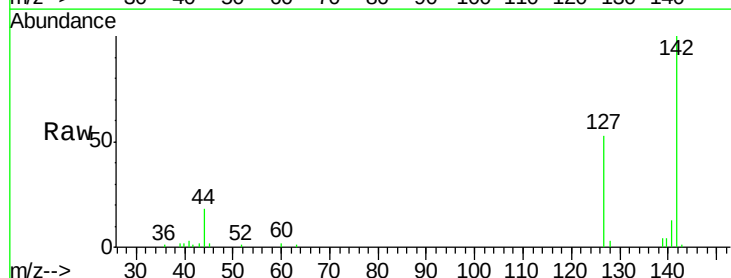
RT: 3.92 min Scan# 669

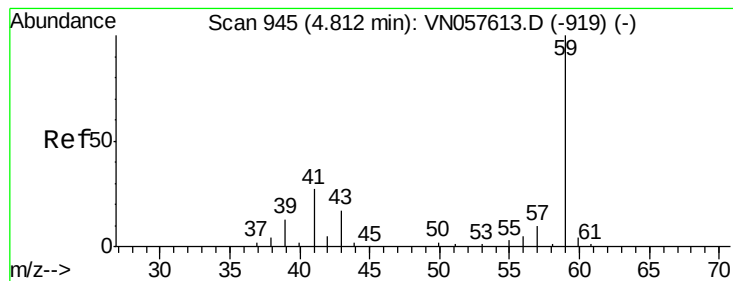
Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	142	Resp:	52645
Ion Ratio	Lower	Upper	
142	100		
127	52.4	43.0	64.6
141	13.3	11.4	17.2





#11

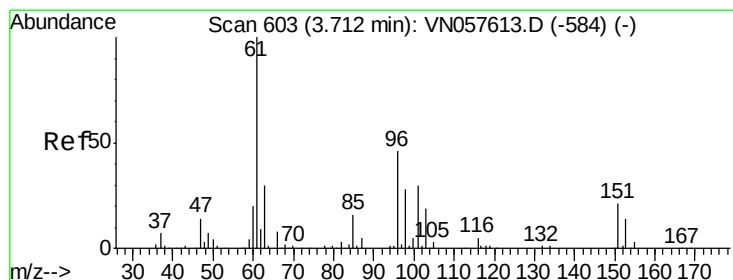
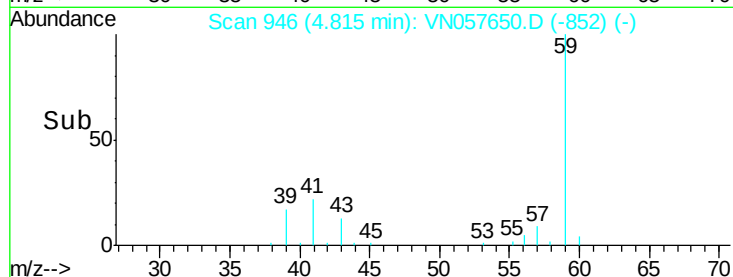
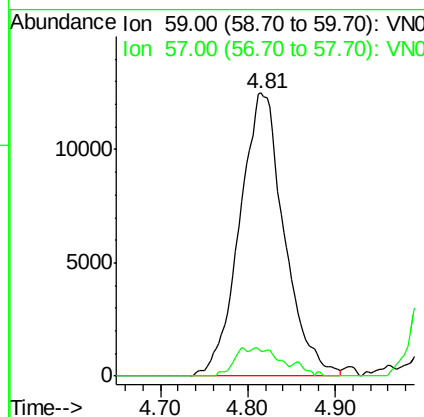
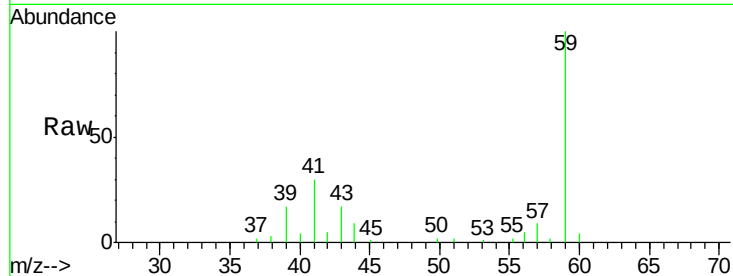
Tert butyl alcohol
 Concen: 103.948 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.0	7.6#

Manual Integrations
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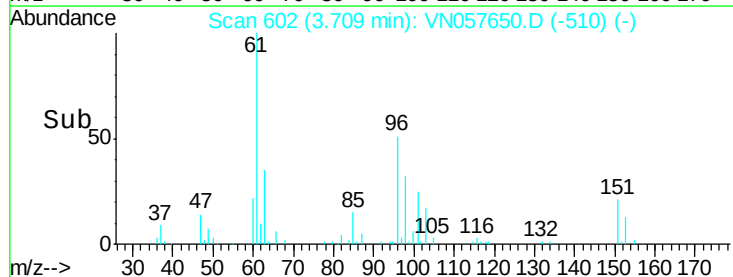
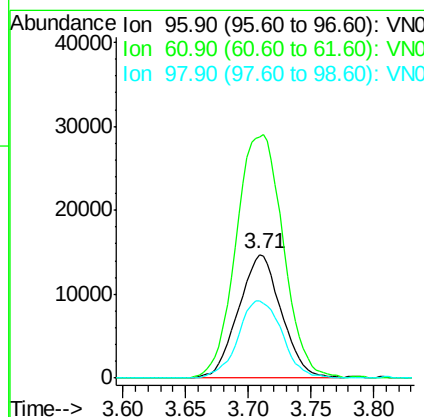
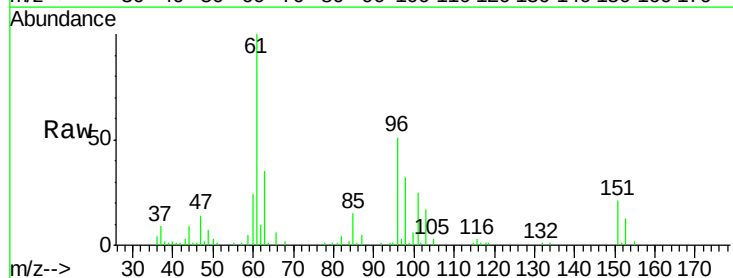
MMDadoda
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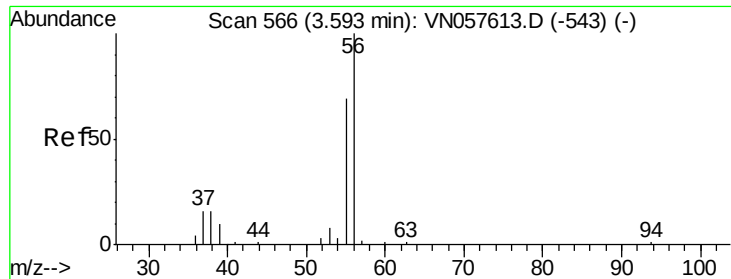


#12

1,1-Dichloroethene
 Concen: 20.938 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.1	172.1	258.1
98	62.5	48.3	72.5





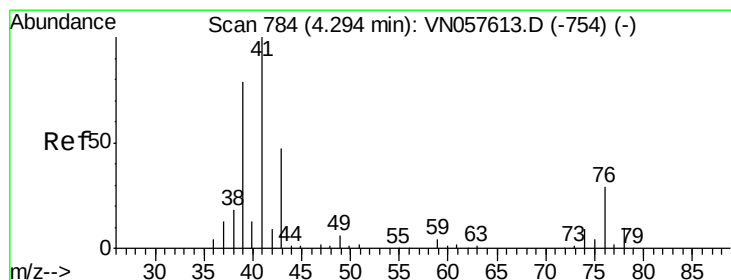
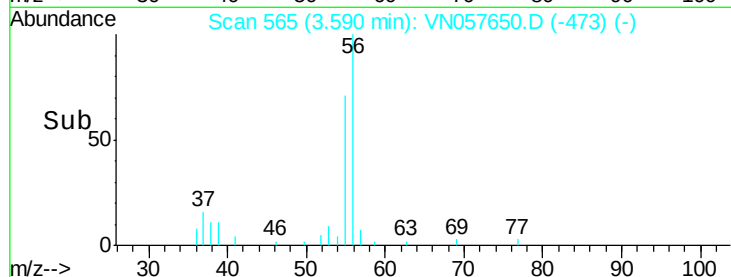
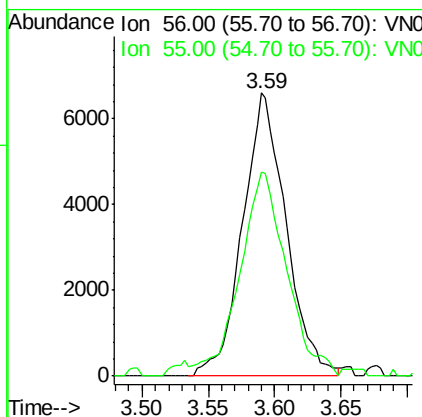
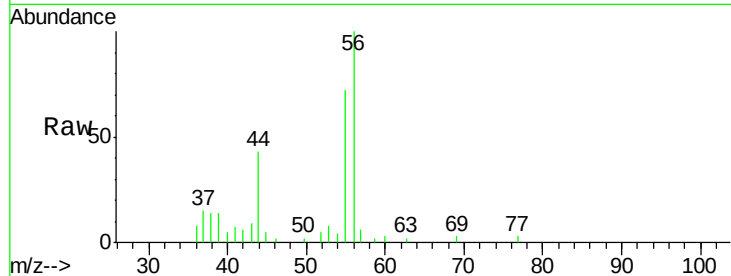
#13
Acrolein
Concen: 89.039 ug/l
RT: 3.59 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	77.1	56.5	84.7	

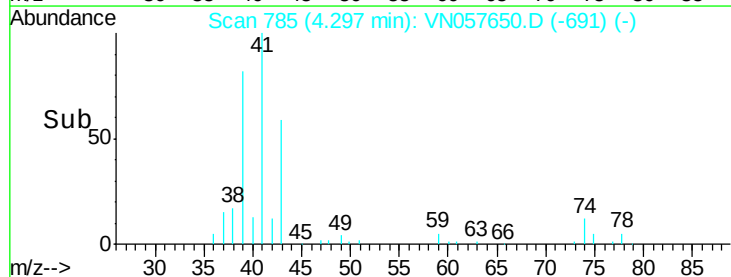
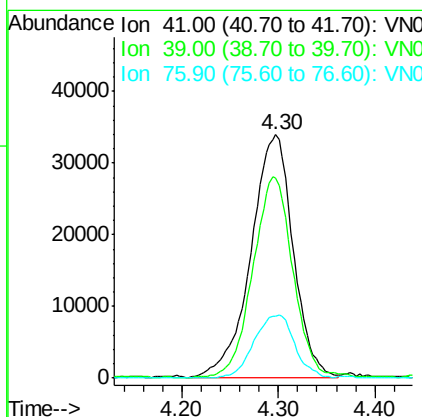
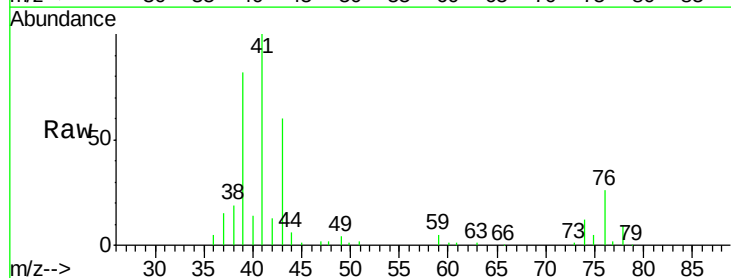
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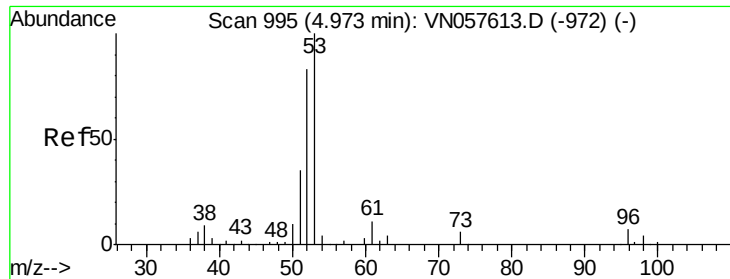
MMDadoda
9/3/2019 11:03:04 AM



#14
Allyl chloride
Concen: 19.813 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	77.0	60.9	91.3	
76	25.0	21.1	31.7	





#15

Acrylonitrile

Concen: 107.153 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

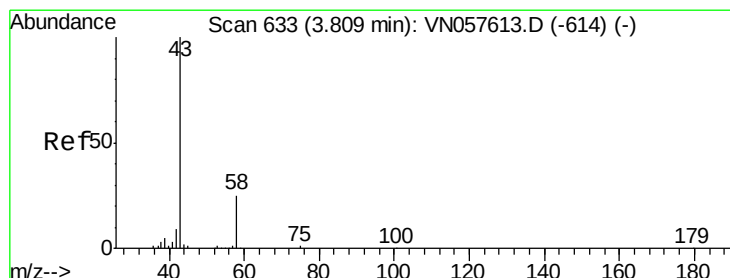
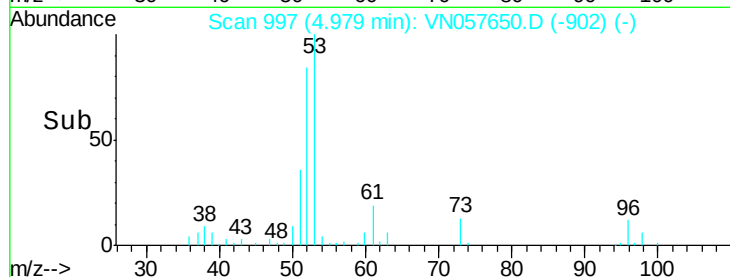
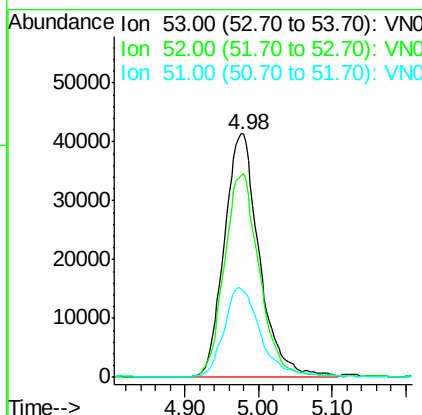
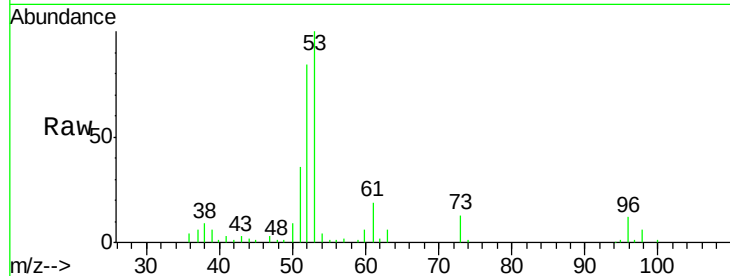
ClientSampleId :

VN0902WBSD01

Tot Ion:	53	Resp:	137032
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.1	100.7
51	37.9	30.2	45.4

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#16

Acetone

Concen: 91.466 ug/l

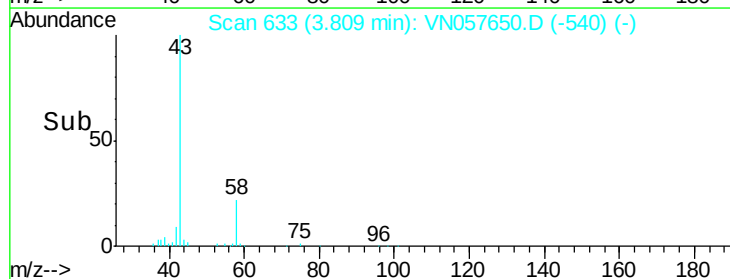
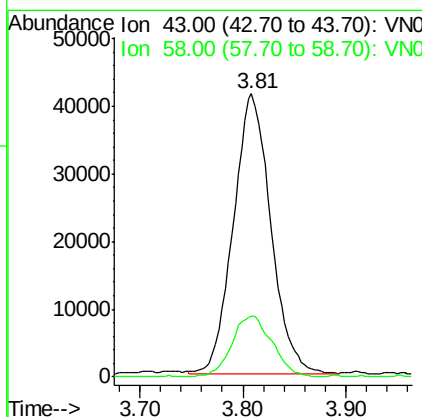
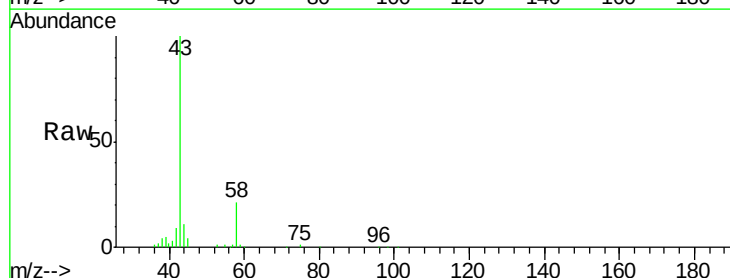
RT: 3.81 min Scan# 633

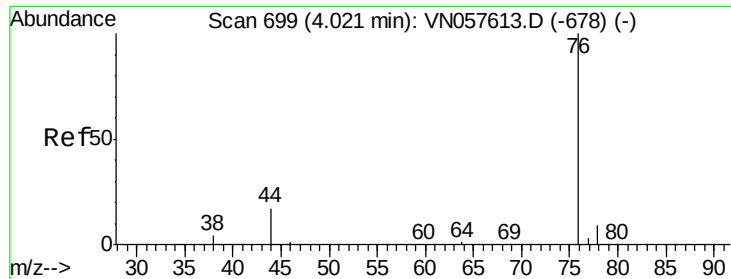
Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	43	Resp:	104160
Ion	Ratio	Lower	Upper
43	100		
58	21.8	20.0	30.0





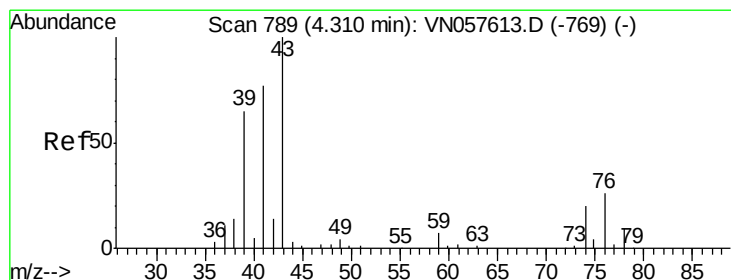
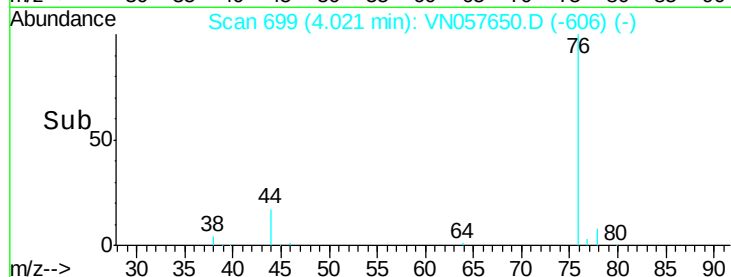
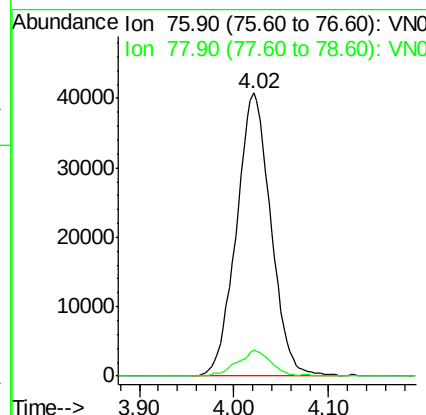
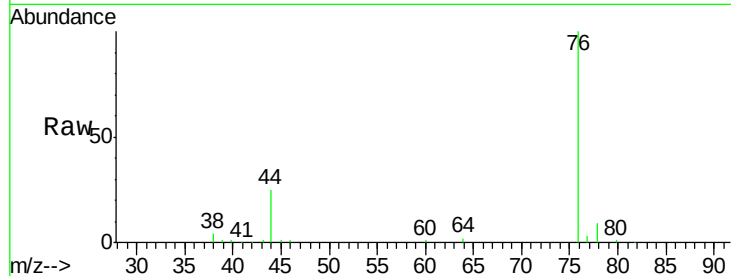
#17
Carbon Disulfide
Concen: 19.030 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion: 76 Resp: 103082
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3

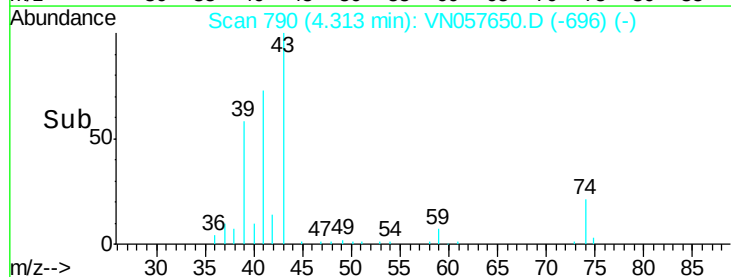
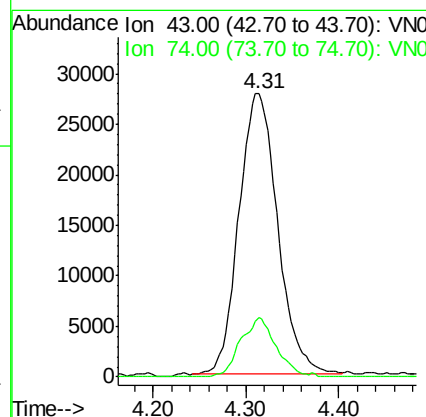
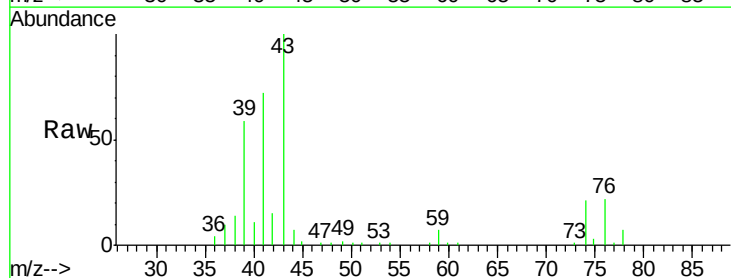
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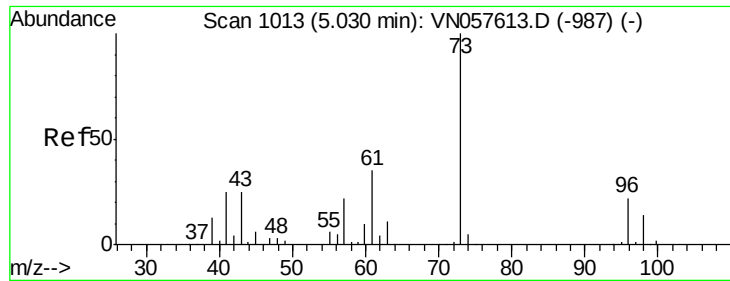
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#18
Methyl Acetate
Concen: 20.665 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion: 43 Resp: 80804
Ion Ratio Lower Upper
43 100
74 19.2 15.7 23.5





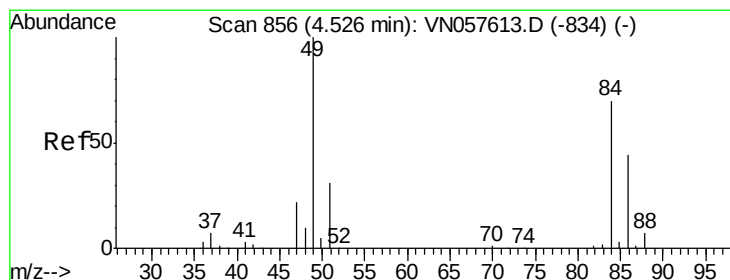
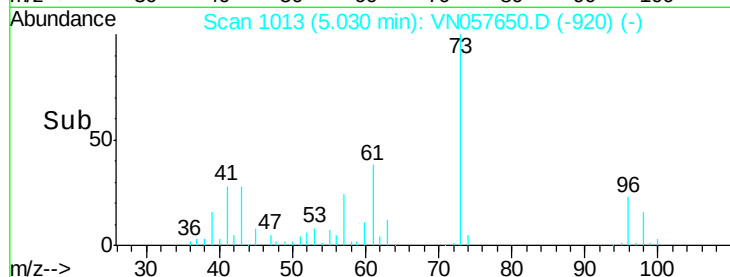
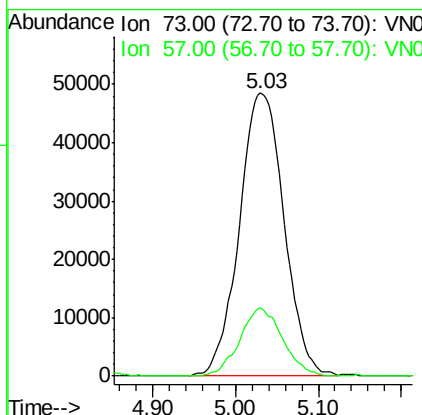
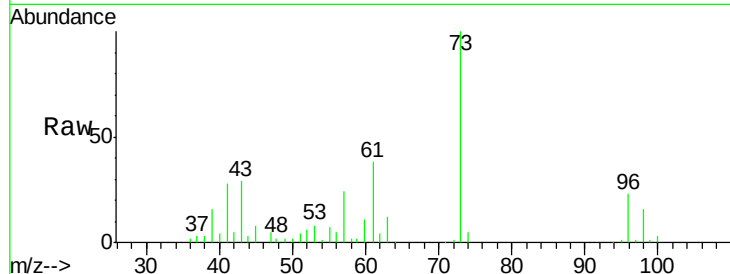
#19
Methyl tert-butyl Ether
Concen: 20.997 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion: 73 Resp: 182008
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9

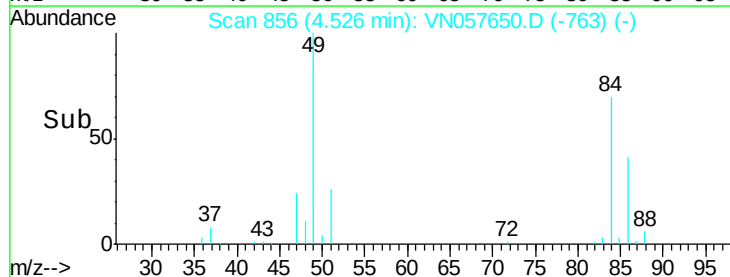
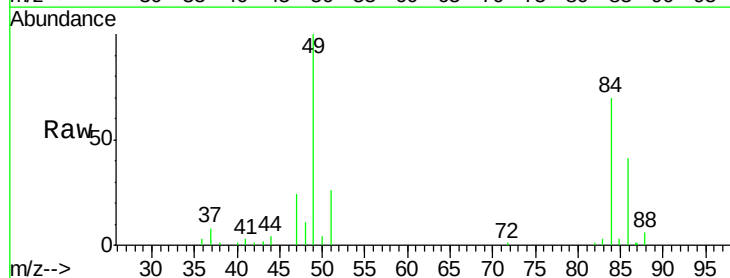
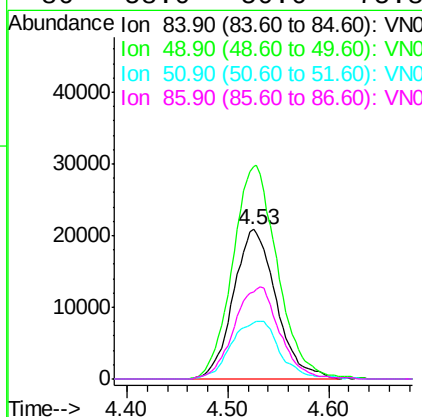
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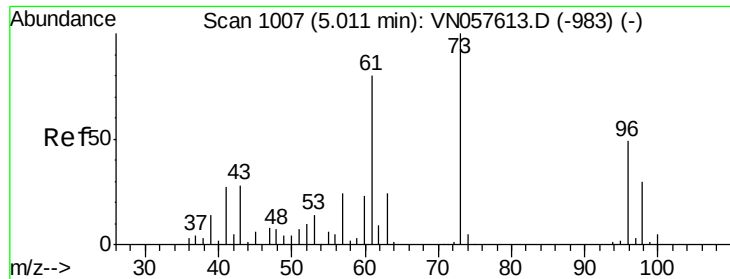
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#20
Methylene Chloride
Concen: 21.874 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion: 84 Resp: 61668
Ion Ratio Lower Upper
84 100
49 142.3 113.8 170.6
51 37.5 35.0 52.6
86 58.0 50.6 75.8





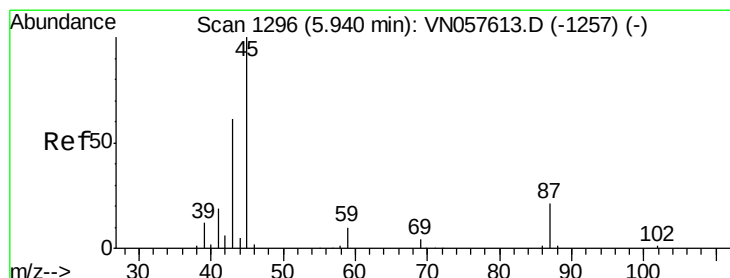
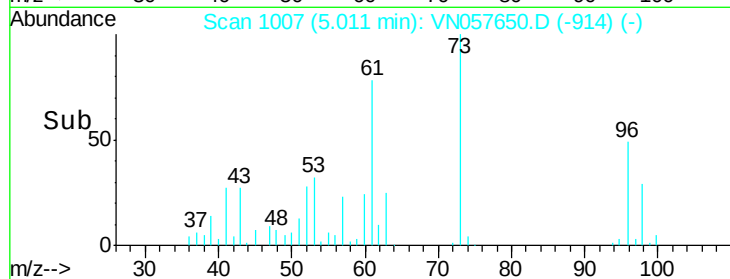
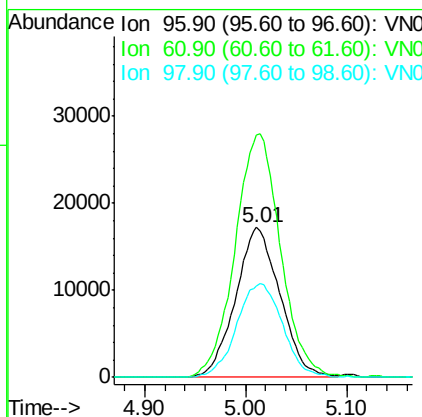
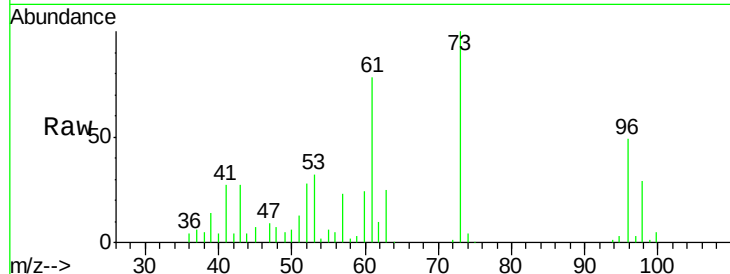
#21
trans-1,2-Dichloroethene
Concen: 21.175 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.5	131.6	197.4
98	60.7	49.9	74.9

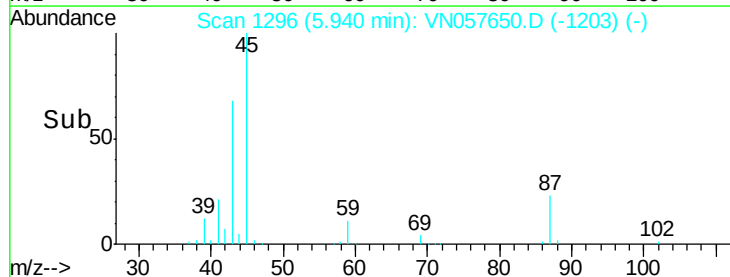
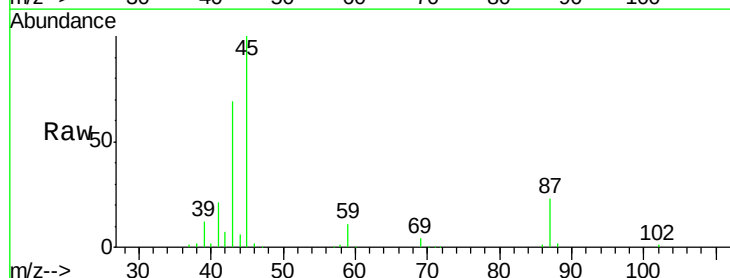
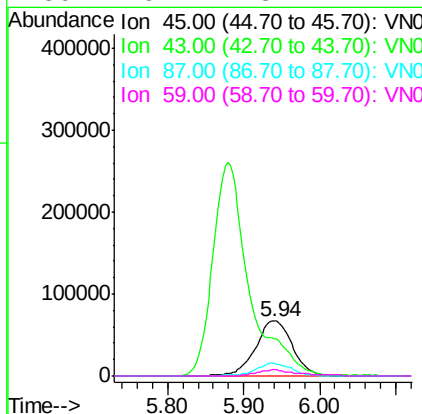
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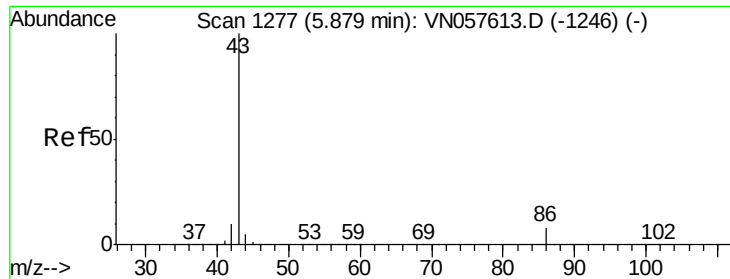
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#22
Diisopropyl ether
Concen: 21.032 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	49.1	73.7
87	23.1	17.0	25.6
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 105.378 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion: 43 Resp: 870214

Ion Ratio Lower Upper

43 100

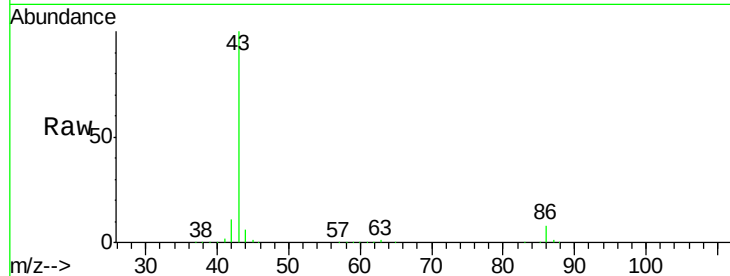
86 8.2 6.1 9.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

250000

200000

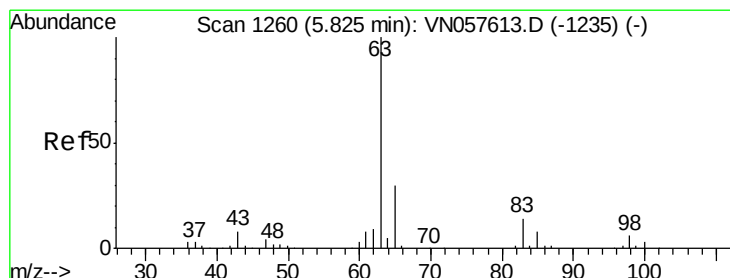
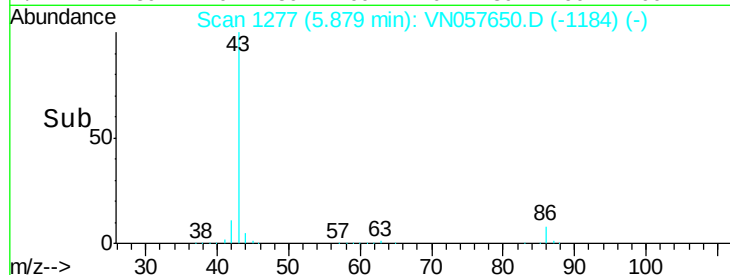
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.320 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

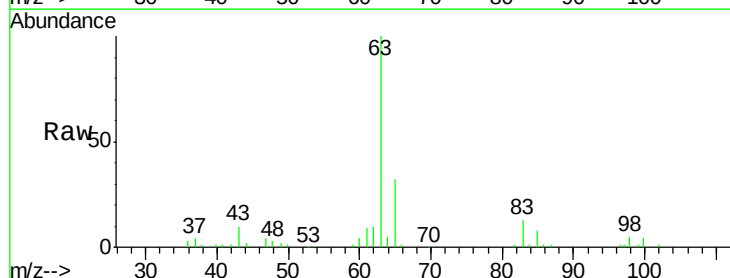
Tgt Ion: 63 Resp: 114996

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.8 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.83

40000

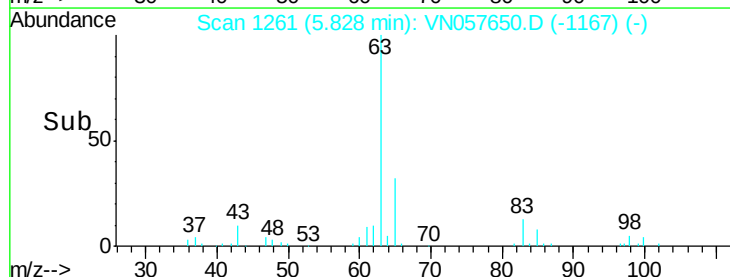
30000

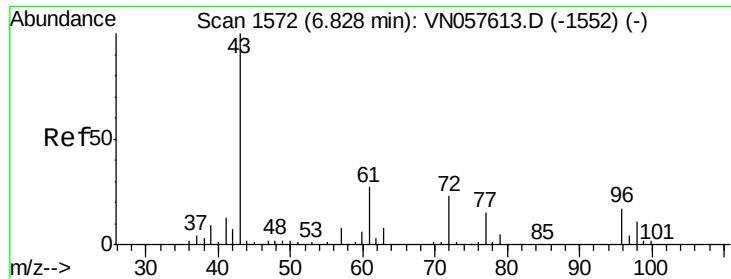
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.540 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

VN0902WBSD01

Tot Ion: 43 Resp: 188883

Ion Ratio Lower Upper

43 100

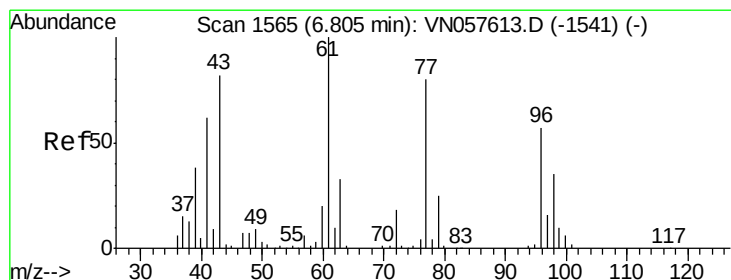
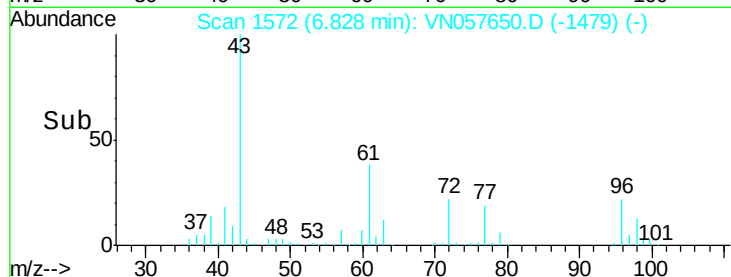
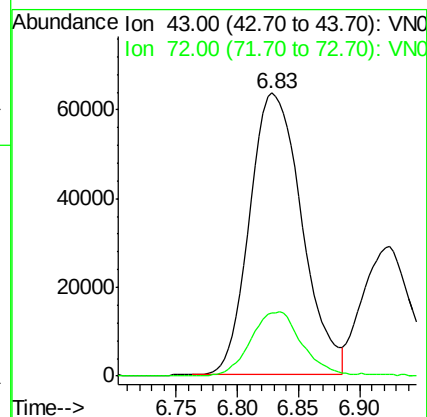
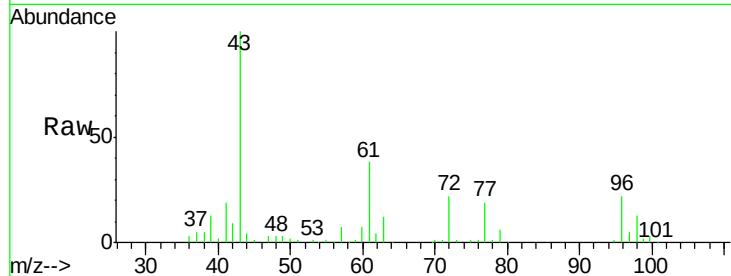
72 22.4 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.425 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057650.D

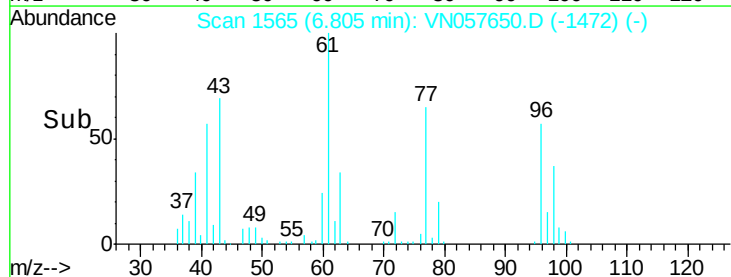
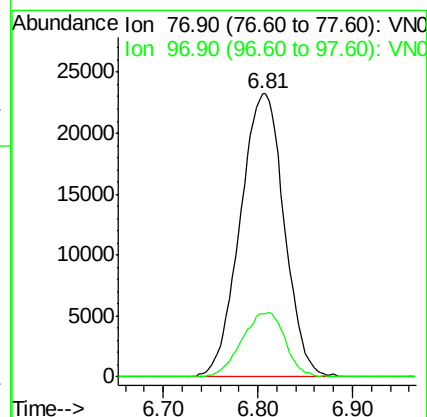
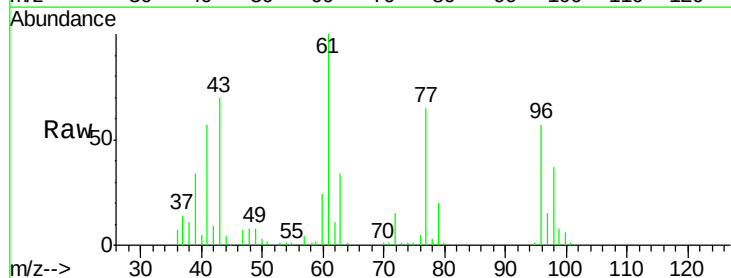
Acq: 1 Sep 2019 17:44

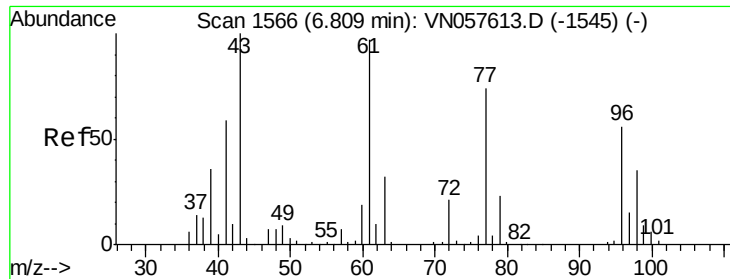
Tgt Ion: 77 Resp: 75123

Ion Ratio Lower Upper

77 100

97 22.3 10.6 31.8





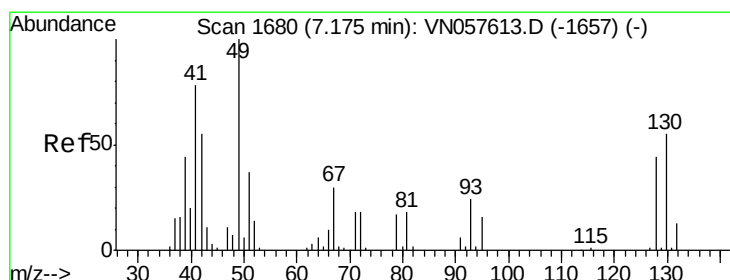
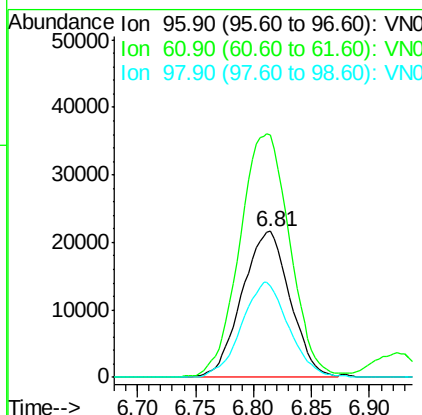
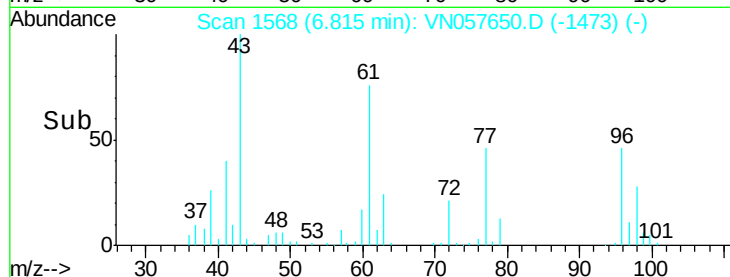
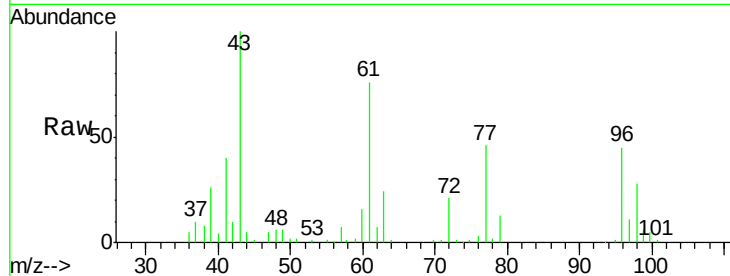
#27
 cis-1,2-Dichloroethene
 Concen: 20.945 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.7	0.0	344.6
98	63.6	0.0	124.8

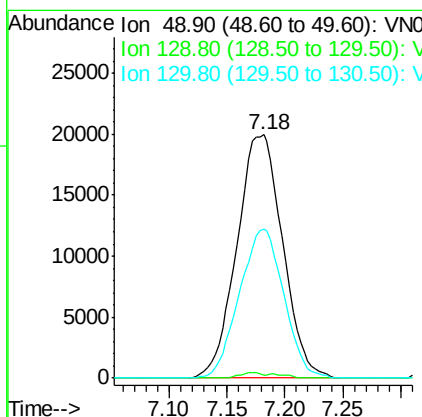
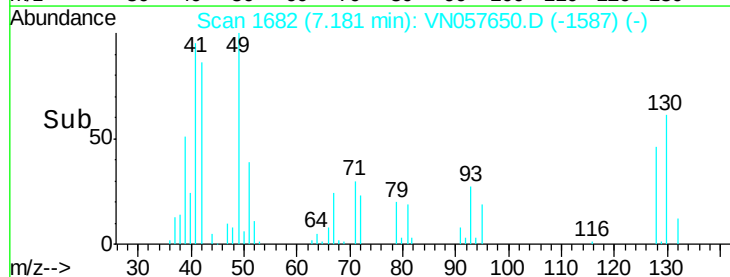
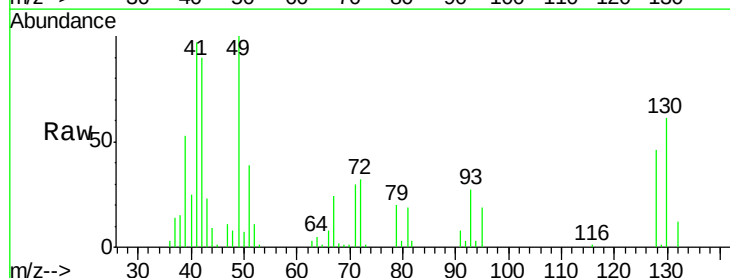
Manual Integrations
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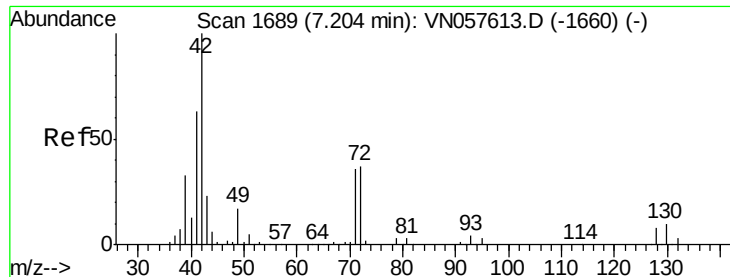
MMDadoda
 9/3/2019 11:03:04 AM



#28
 Bromochloromethane
 Concen: 19.101 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.01 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.8
130	59.2	45.8	68.8





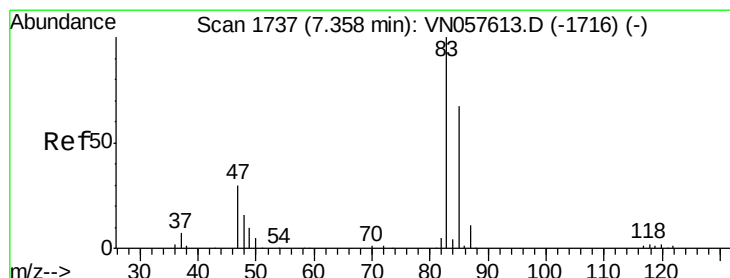
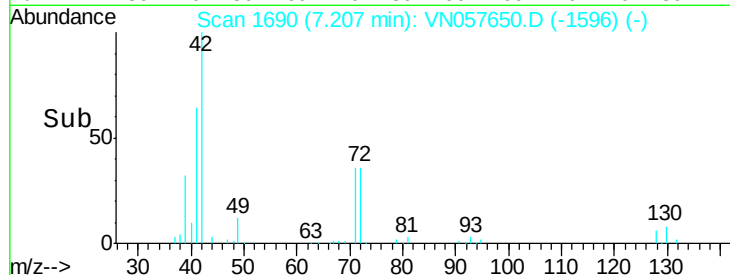
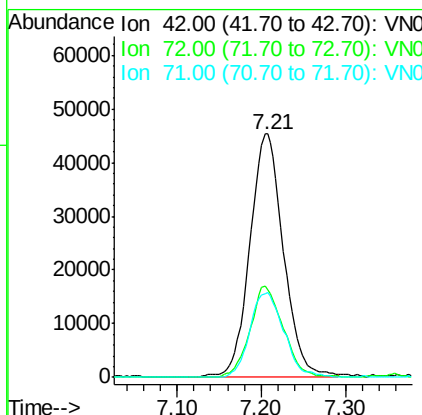
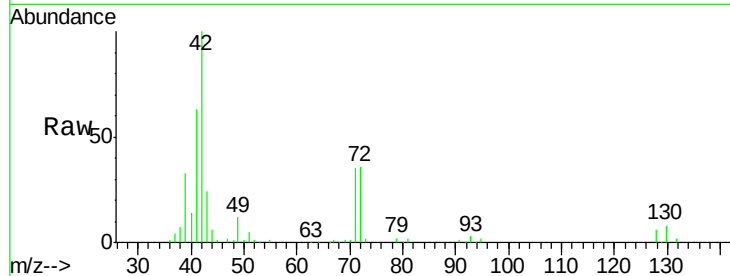
#29
Tetrahydrofuran
Concen: 105.775 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.6	44.4
71	35.1	27.9	41.9

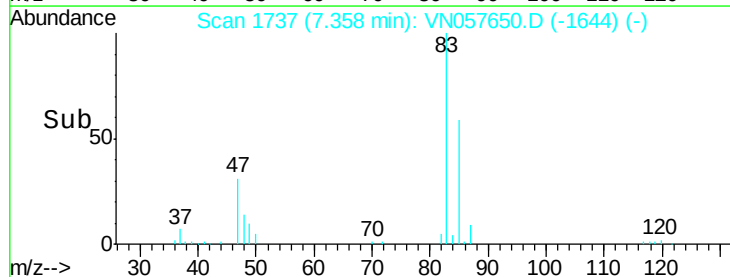
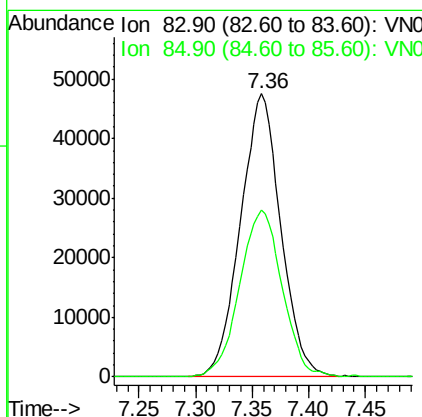
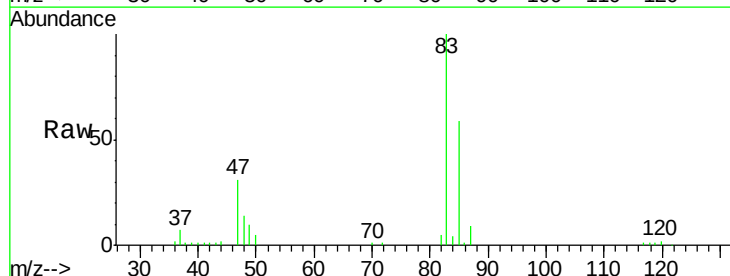
Manual Integrations
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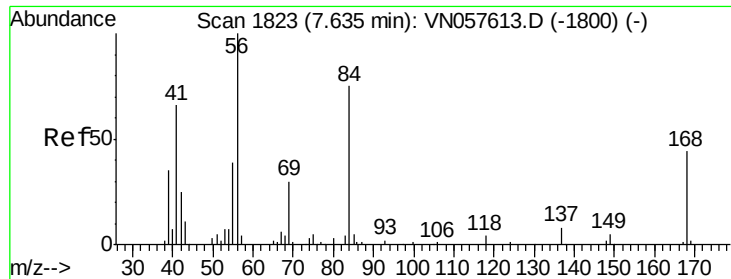
MMDadoda
9/3/2019 11:03:04 AM



#30
Chloroform
Concen: 21.484 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	53.2	79.8





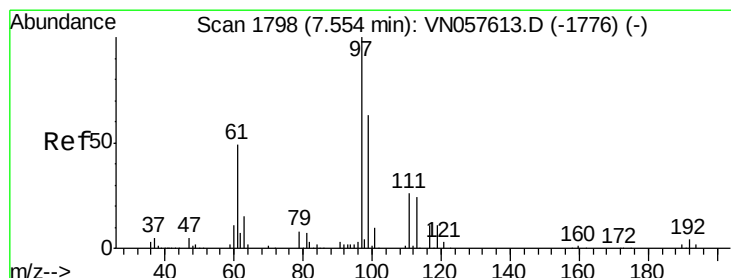
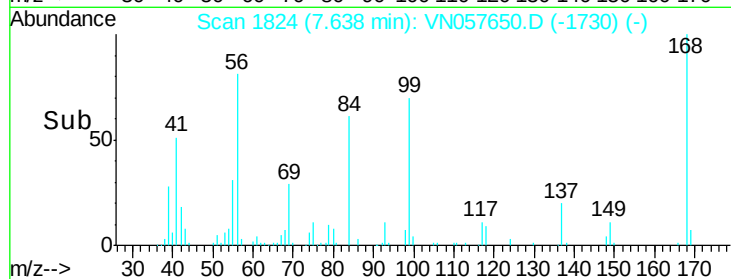
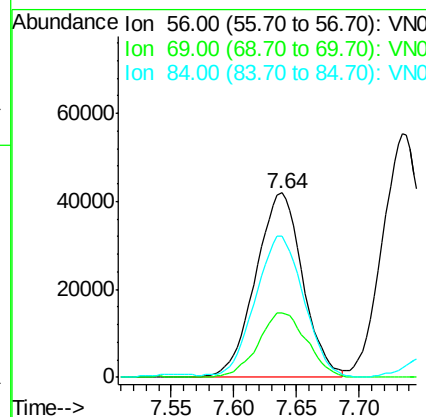
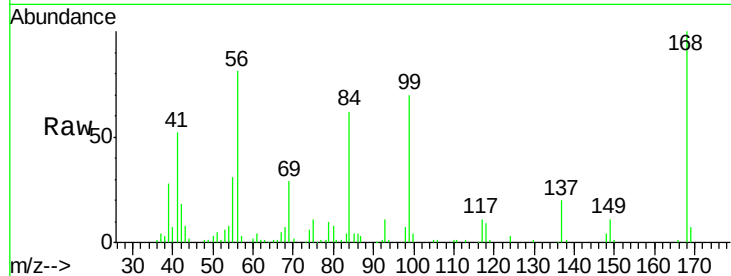
#31
Cyclohexane
Concen: 20.316 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.4	36.6
84	75.2	59.9	89.9

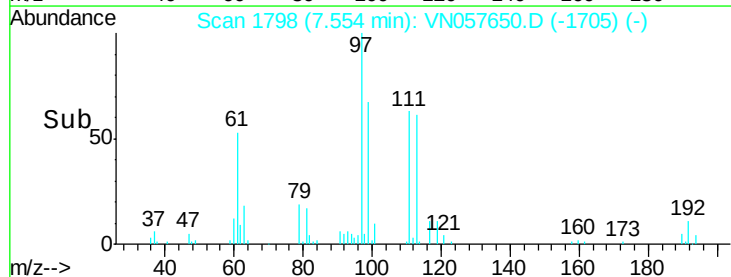
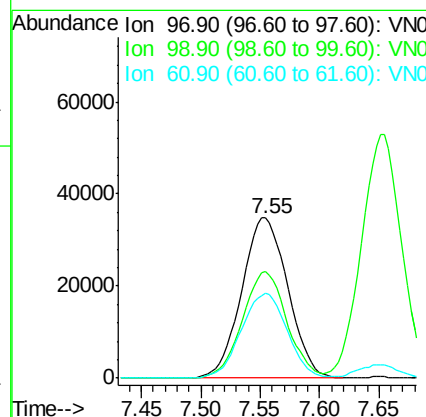
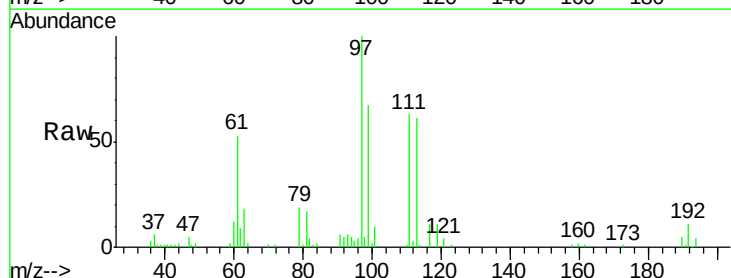
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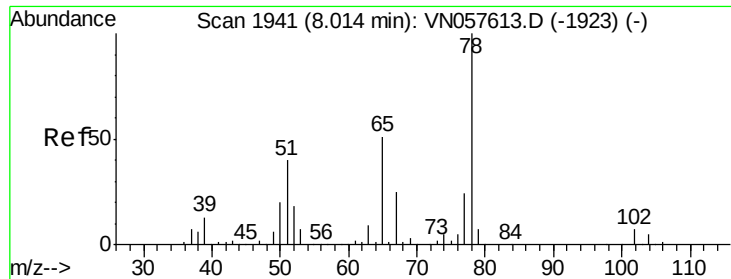
MMDadoda
9/3/2019 11:03:04 AM



#32
1,1,1-Trichloroethane
Concen: 20.843 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	75.8
61	52.5	41.1	61.7





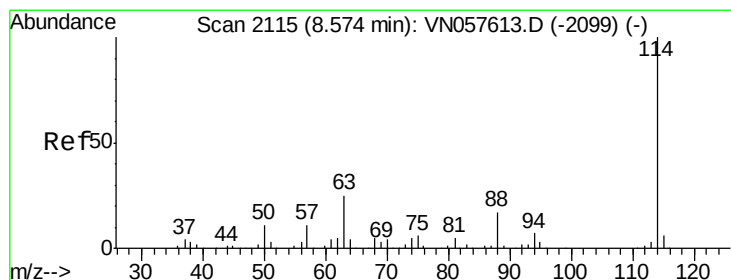
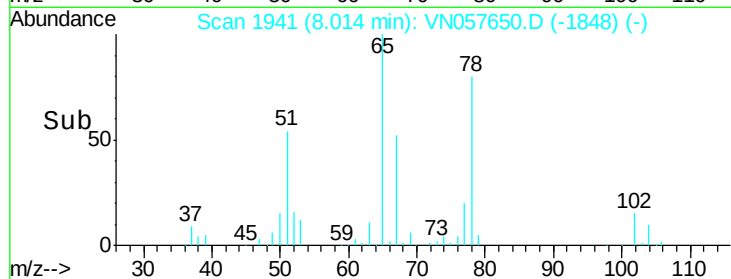
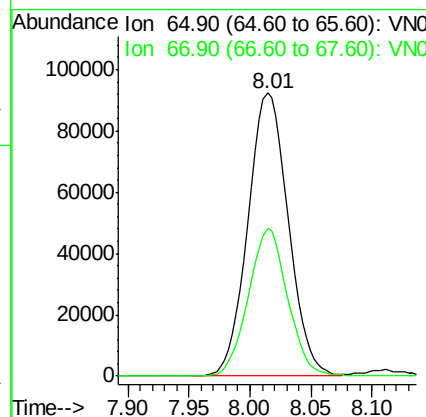
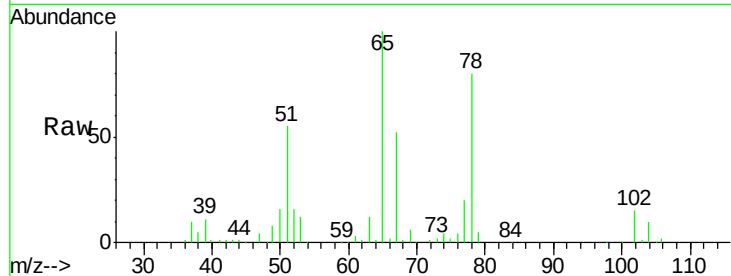
#33
 1,2-Dichloroethane-d4
 Concen: 52.155 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211924		
67	50.4	0.0	102.2	

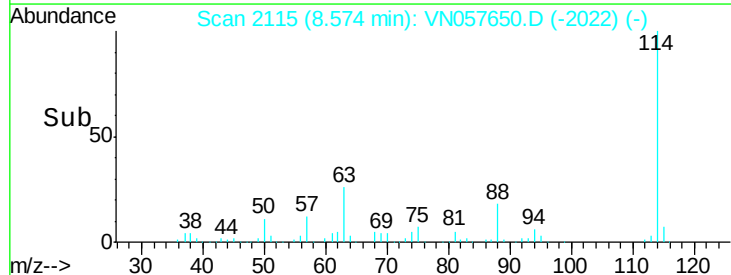
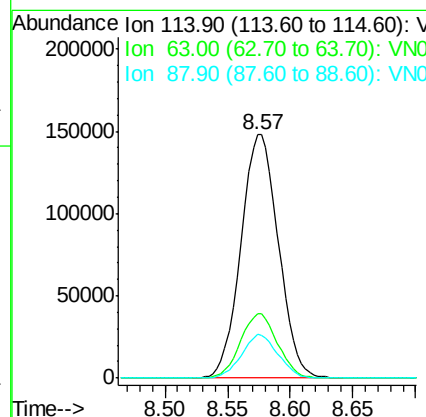
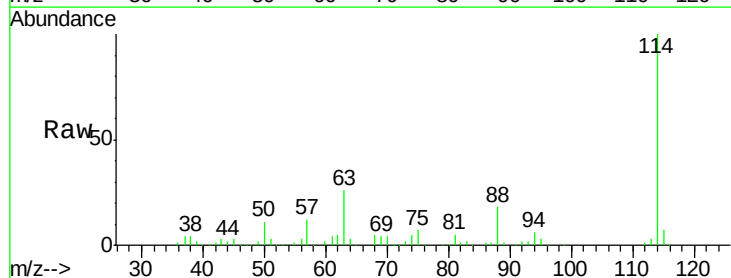
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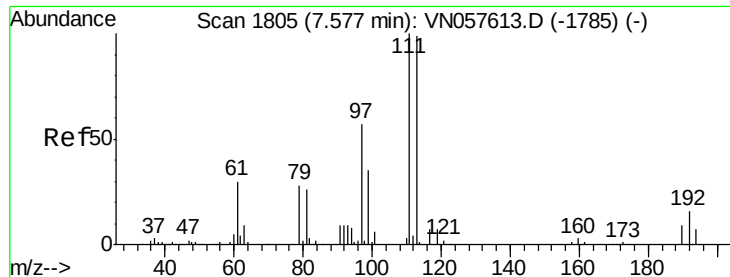
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307674		
63	26.4	0.0	49.0	
88	17.8	0.0	33.0	





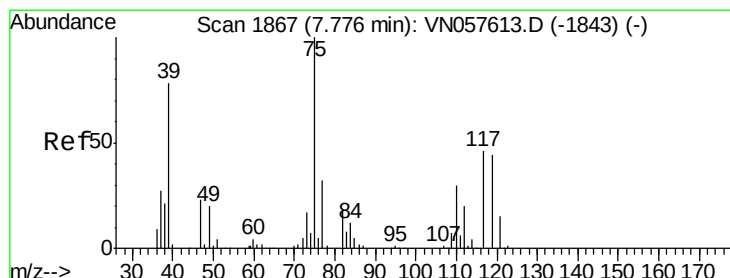
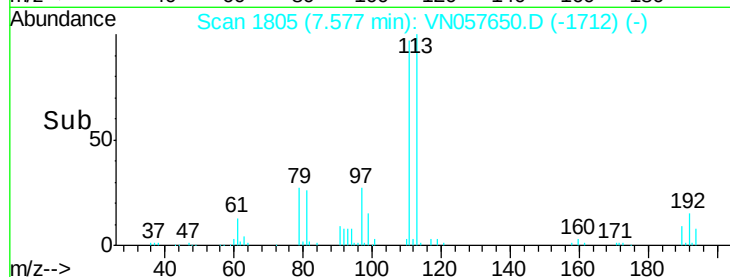
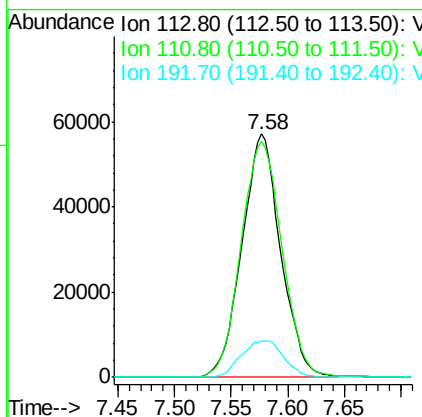
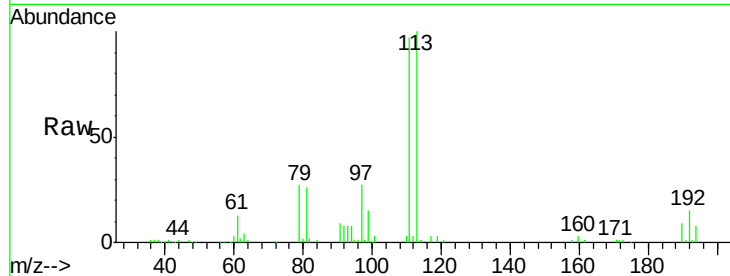
#35
 Dibromofluoromethane
 Concen: 50.501 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	81.3	121.9	
192	16.7	13.5	20.3	

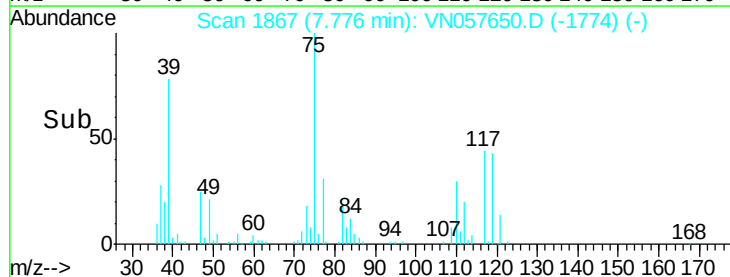
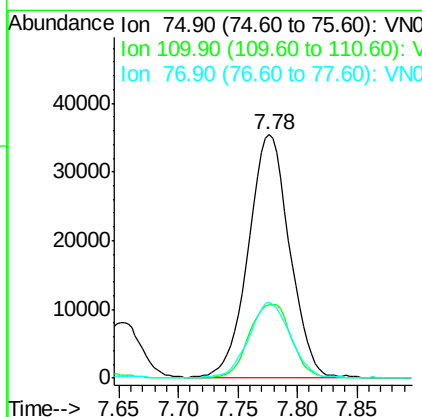
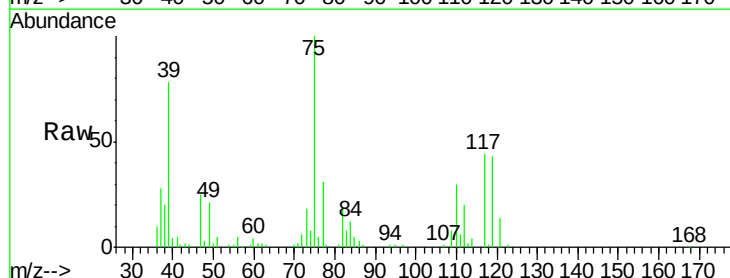
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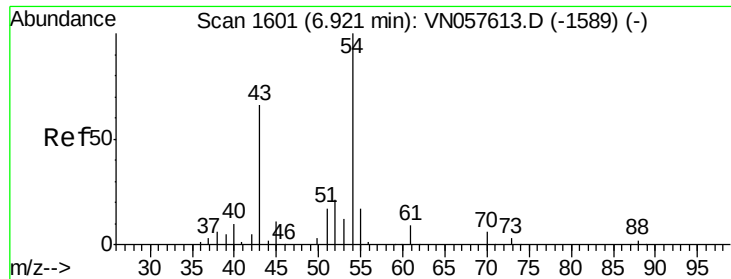
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#36
 1,1-Dichloropropene
 Concen: 20.919 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.8	15.6	46.8	
77	31.2	24.9	37.3	





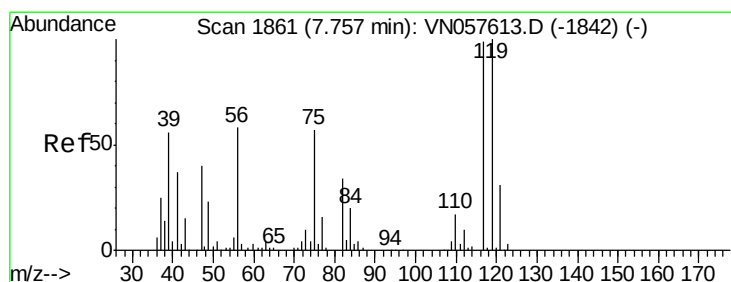
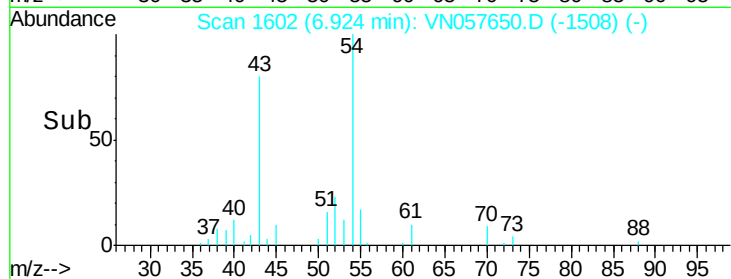
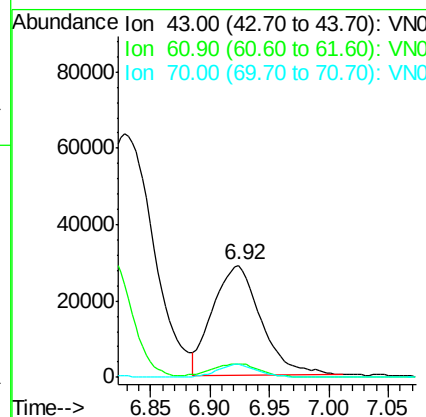
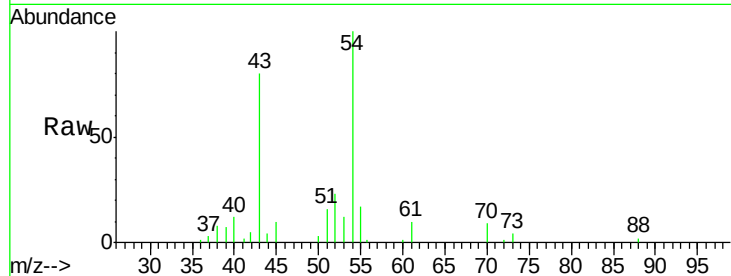
#37
Ethyl Acetate
Concen: 20.973 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	43	61	70	Resp	81492
Ion Ratio	100	12.2	9.8	Lower	Upper
				10.1	15.1
				6.8	10.2

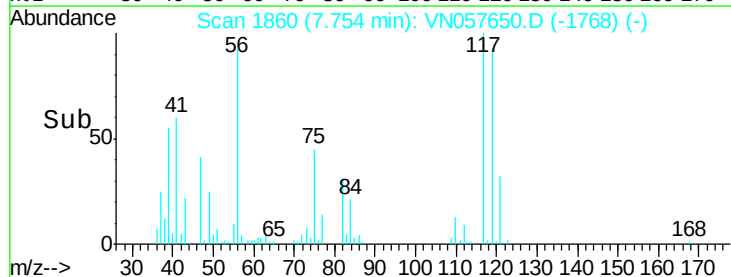
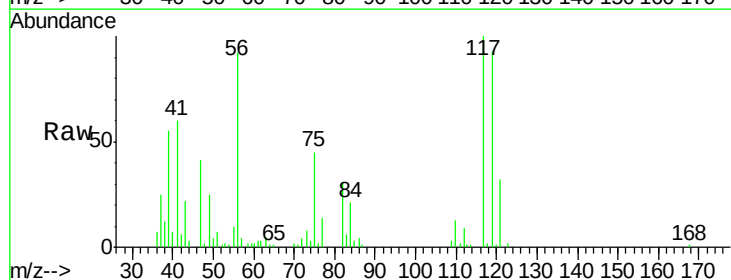
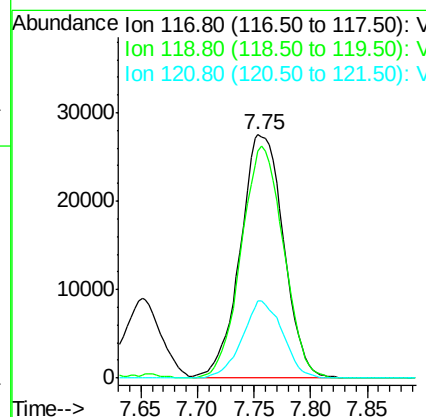
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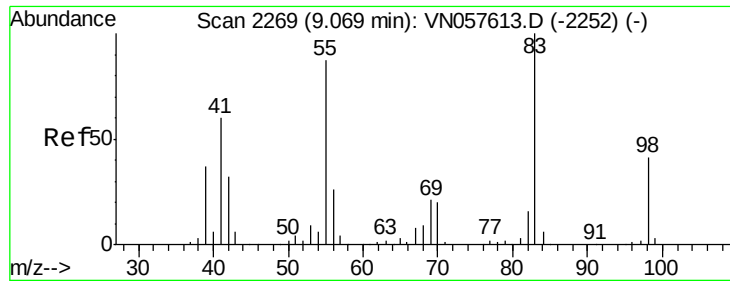
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.073 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	117	119	121	Resp	73294
Ion Ratio	100	93.5	31.5	Lower	Upper
				80.6	120.8
				25.1	37.7





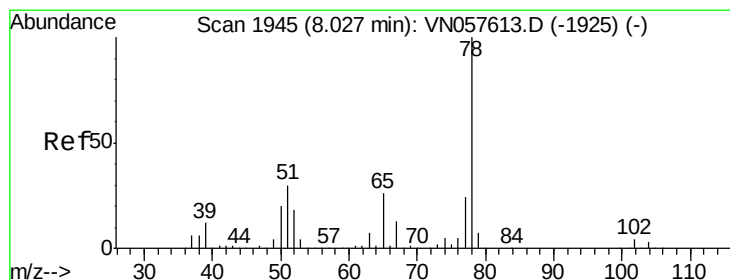
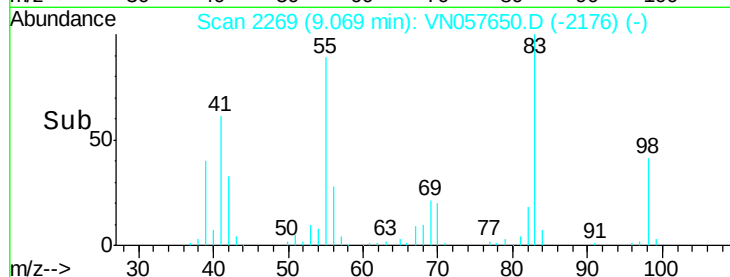
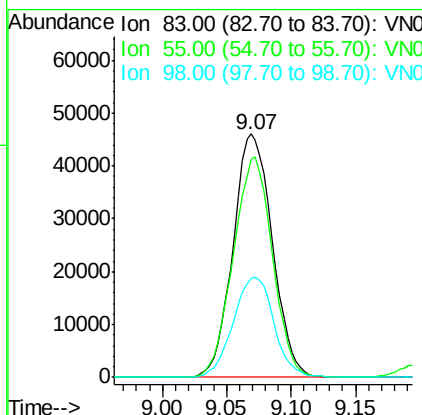
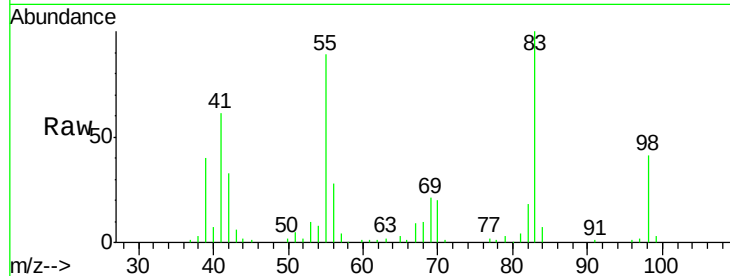
#39
Methylvlcyclohexane
Concen: 20.294 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	83	Resp	97804
Ion Ratio	Lower	Upper	
83	100		
55	89.5	69.8	104.8
98	40.9	32.7	49.1

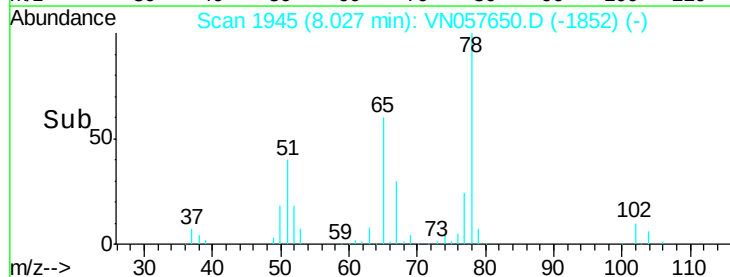
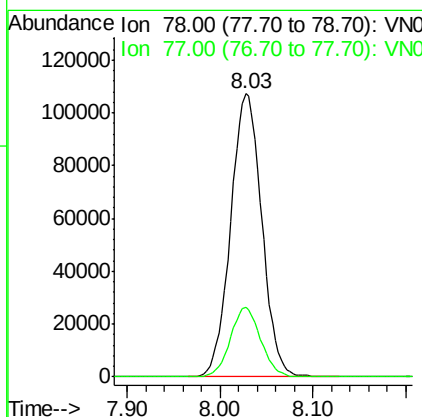
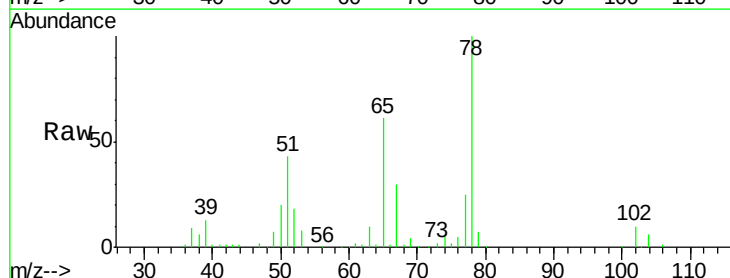
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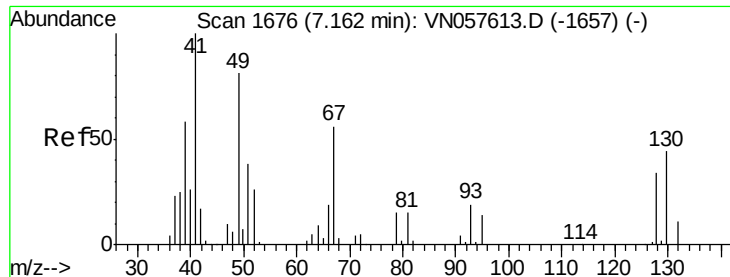
MMDadoda
9/3/2019 11:03:04 AM



#40
Benzene
Concen: 21.026 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	78	Resp	249661
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.1	28.7





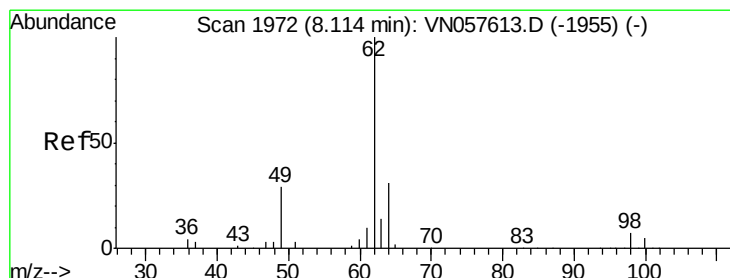
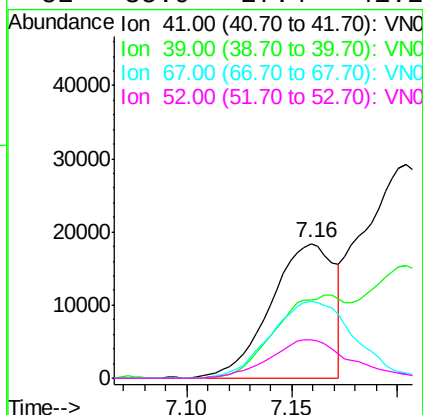
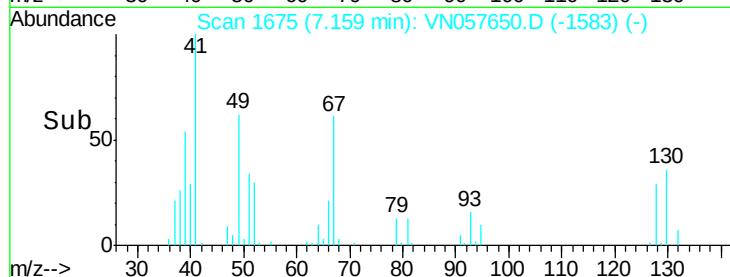
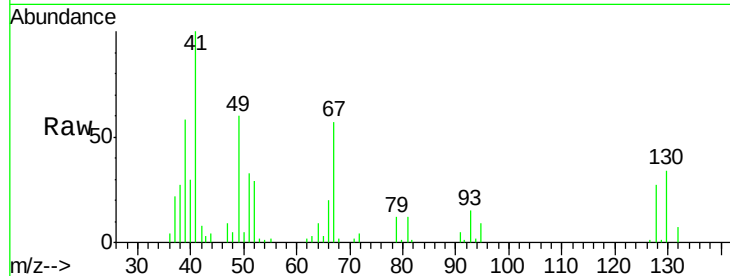
#41
Methacrylonitrile
Concen: 19.270 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	41	Resp	38770
Ion	Ratio	Lower	Upper
41	100		
39	70.2	50.6	75.8
67	75.0	56.9	85.3
52	35.9	27.4	41.2

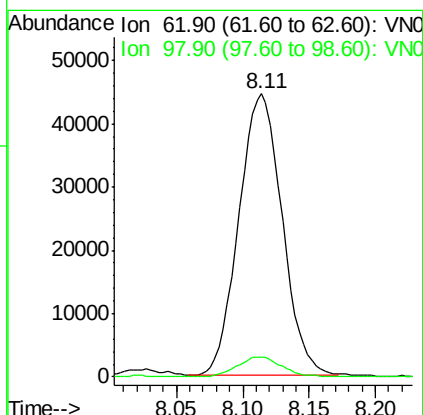
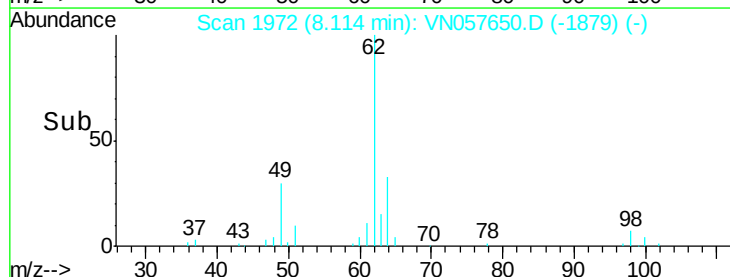
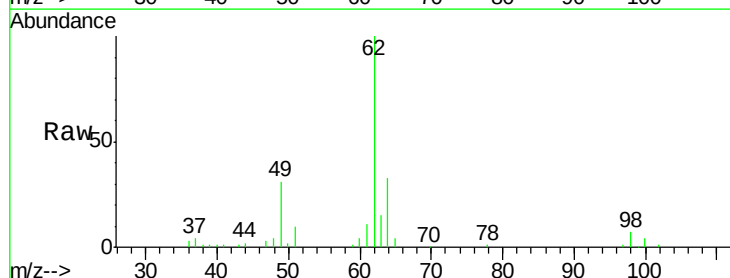
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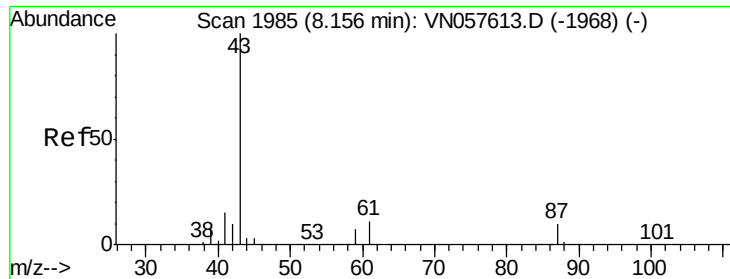
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9/3/2019 11:03:04 AM



#42
1,2-Dichloroethane
Concen: 20.979 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	62	Resp	101177
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.0





#43

Isopropyl Acetate

Concen: 20.255 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

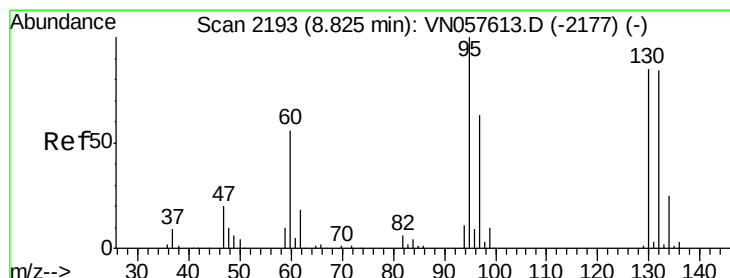
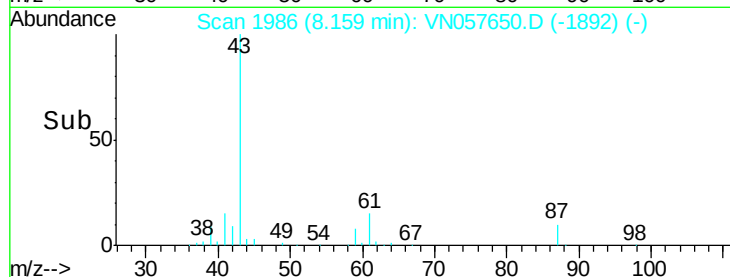
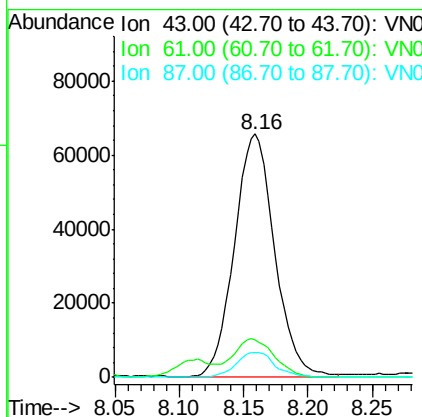
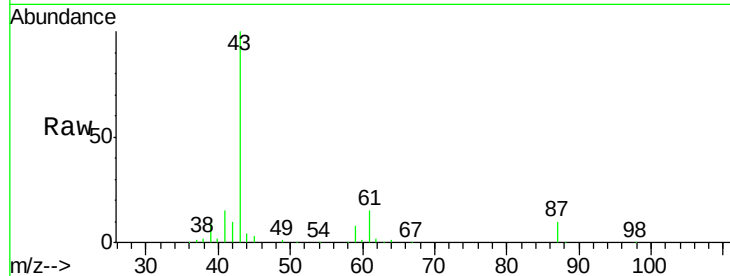
ClientSampleId :

VN0902WBSD01

Tot Ion:	43	Resp:	141596
Ion Ratio	Lower	Upper	
43	100		
61	16.4	13.1	19.7
87	10.0	8.1	12.1

Manual Integrations
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9/3/2019 11:03:04 AM



#44

Trichloroethene

Concen: 20.356 ug/l

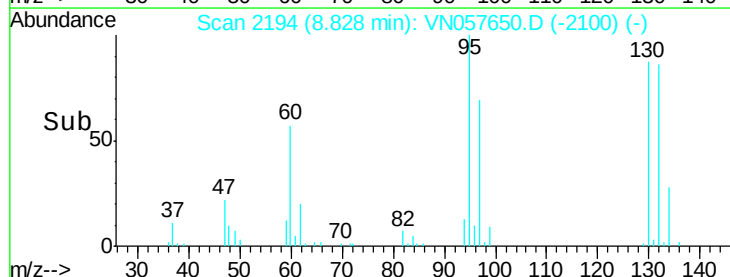
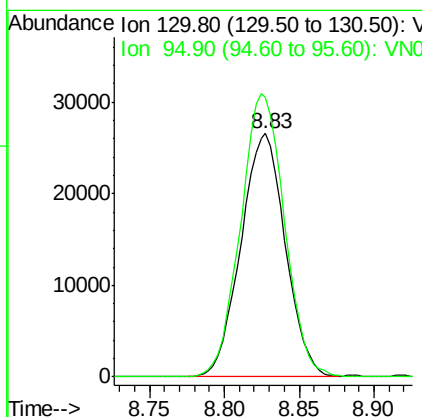
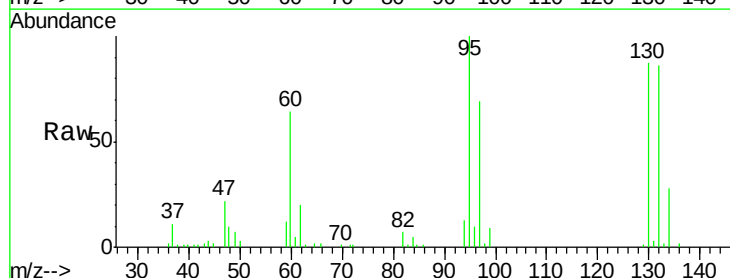
RT: 8.83 min Scan# 2194

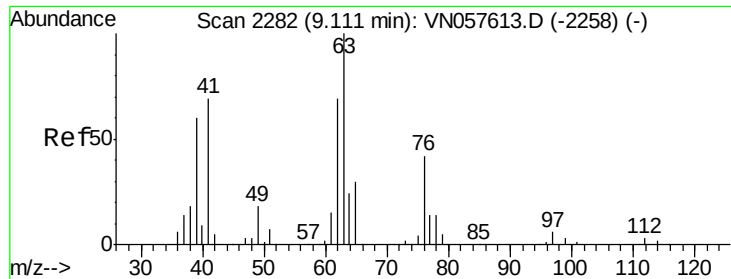
Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	130	Resp:	54832
Ion Ratio	Lower	Upper	
130	100		
95	114.8	0.0	234.4





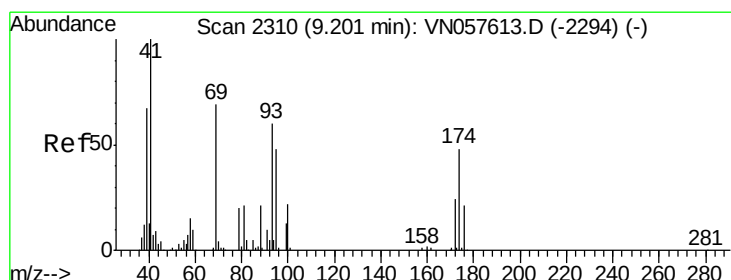
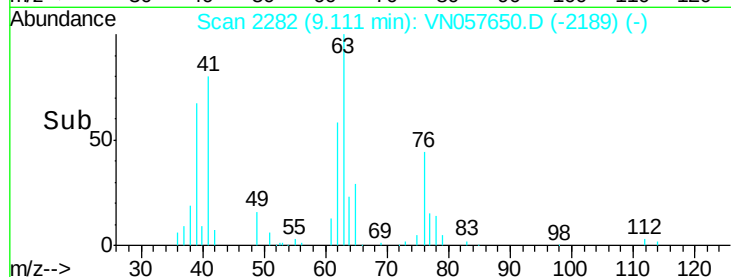
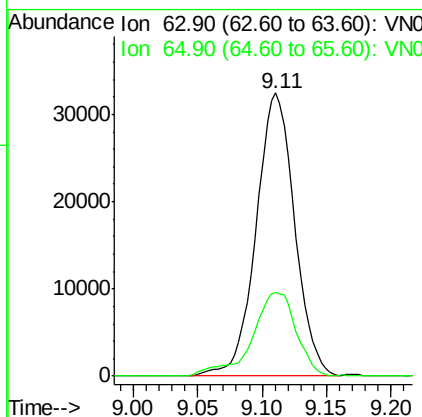
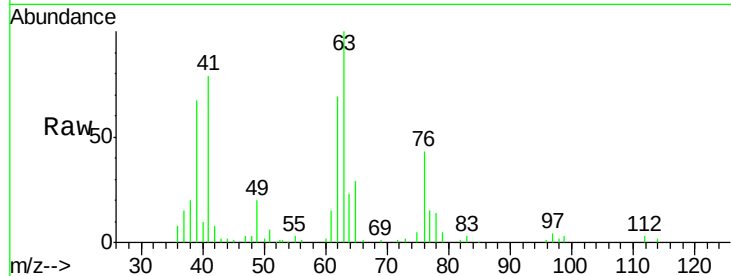
#45
 1,2-Dichloropropane
 Concen: 20.454 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBSD01

Tot Ion: 63 Resp: 67650
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6

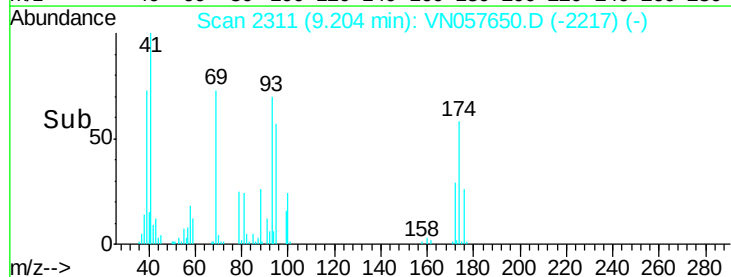
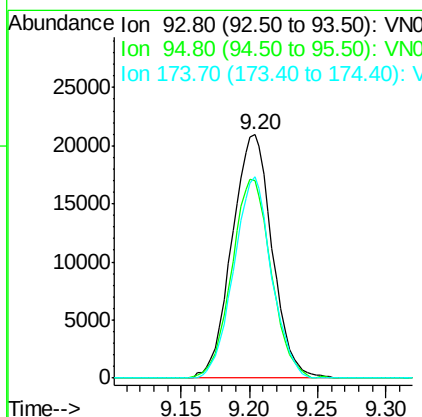
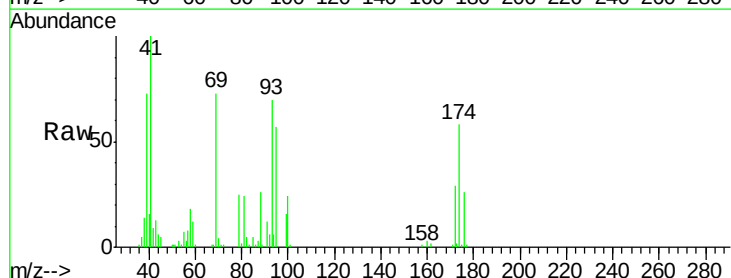
Manual Integrations
 APPROVED

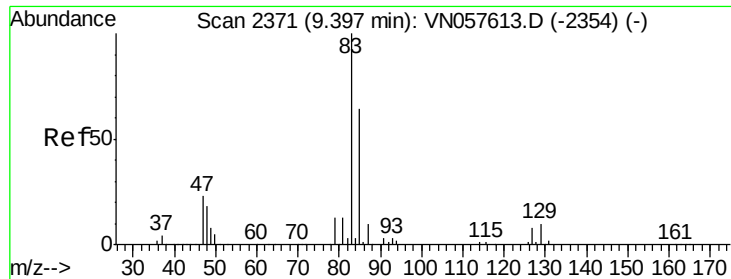
MMDadoda
 9/3/2019 11:03:04 AM



#46
 Dibromomethane
 Concen: 20.893 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion: 93 Resp: 42785
 Ion Ratio Lower Upper
 93 100
 95 80.2 65.8 98.6
 174 77.5 64.2 96.2





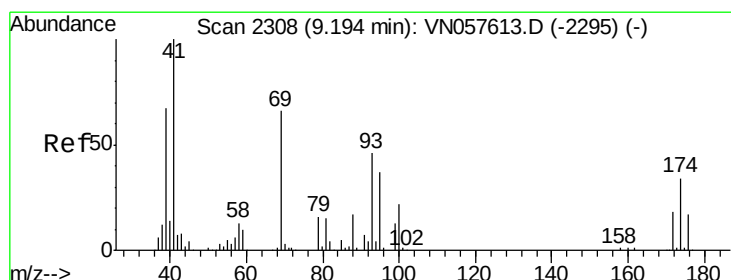
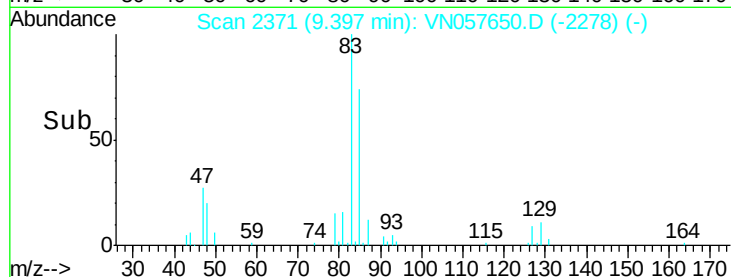
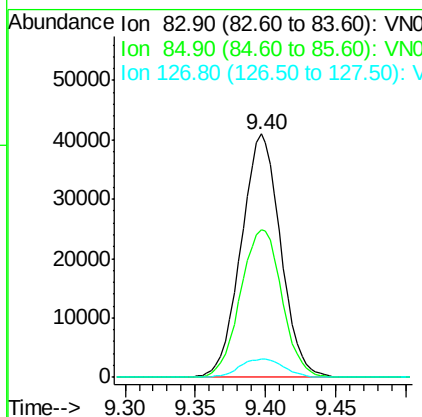
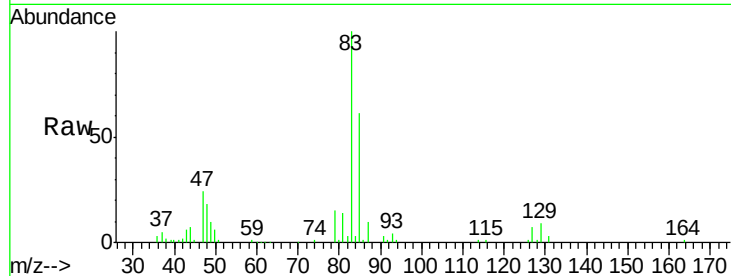
#47
Bromodichloromethane
Concen: 19.248 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	83	Resp	80081
Ion Ratio	100	Lower	Upper
83	100		
85	60.7	51.4	77.0
127	7.5	6.1	9.1

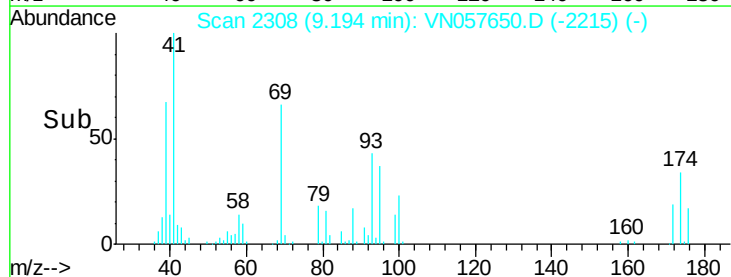
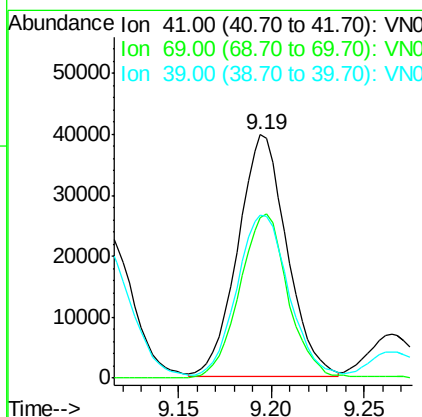
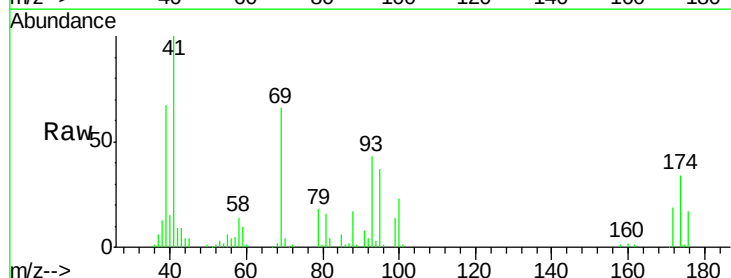
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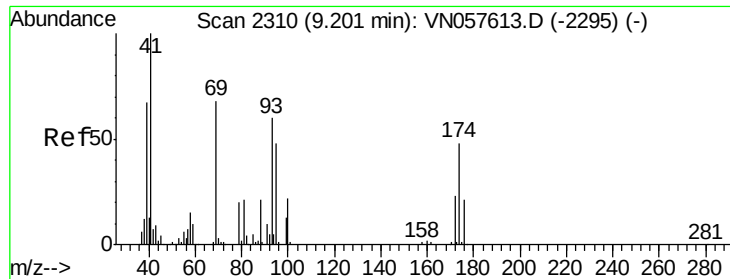
MMDadoda
9/3/2019 11:03:04 AM



#48
Methyl methacrylate
Concen: 20.475 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	41	Resp	73079
Ion Ratio	100	Lower	Upper
41	100		
69	67.2	55.1	82.7
39	72.2	55.4	83.2





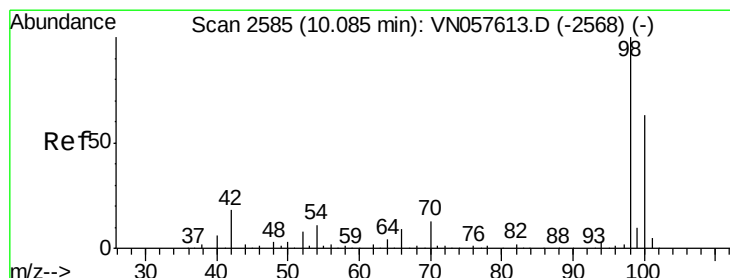
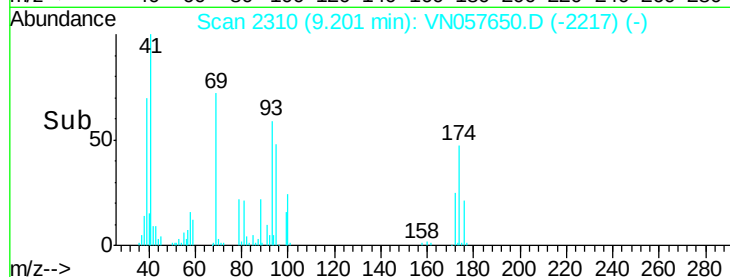
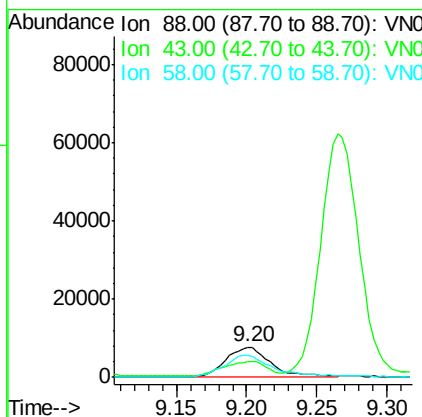
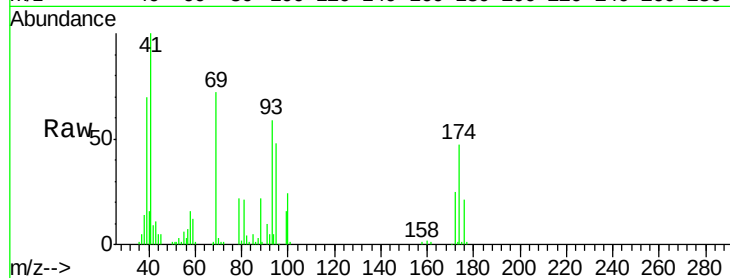
#49
1,4-Dioxane
Concen: 411.993 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	35.0	52.4
58	77.9	61.6	92.4

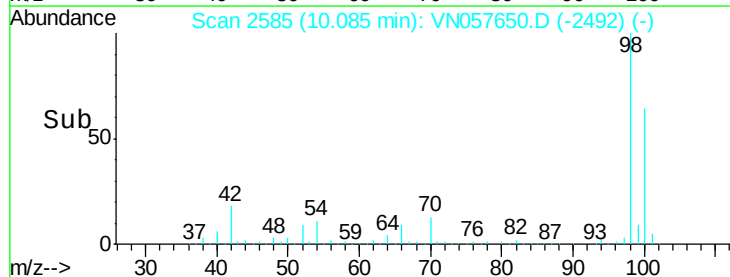
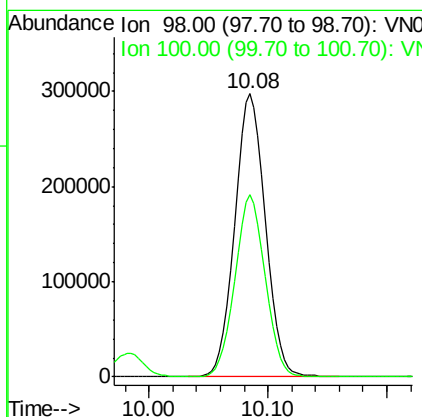
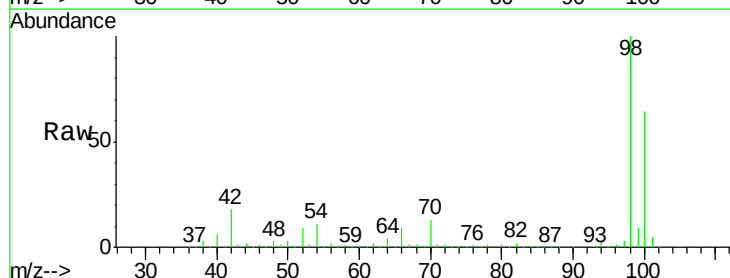
Manual Integrations
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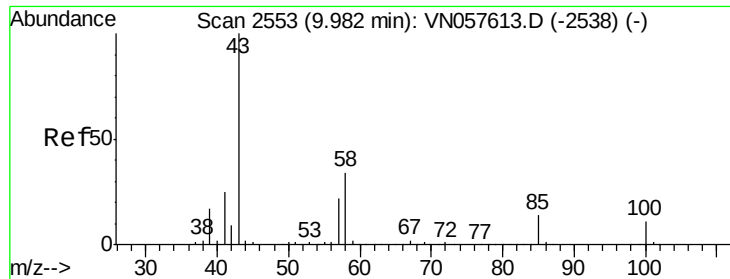
MMDadoda
9/3/2019 11:03:04 AM



#50
Toluene-d8
Concen: 51.426 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8





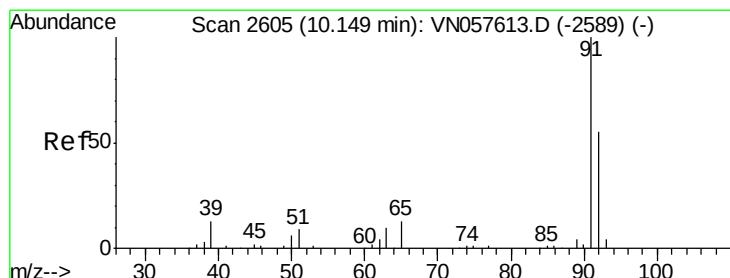
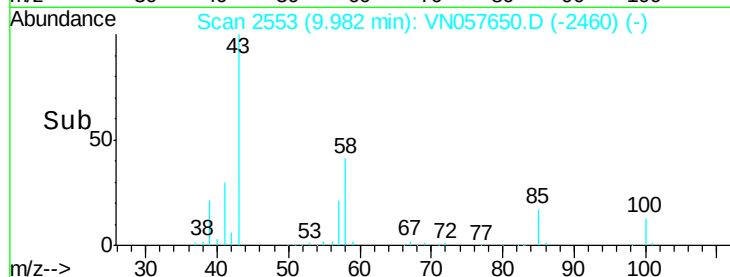
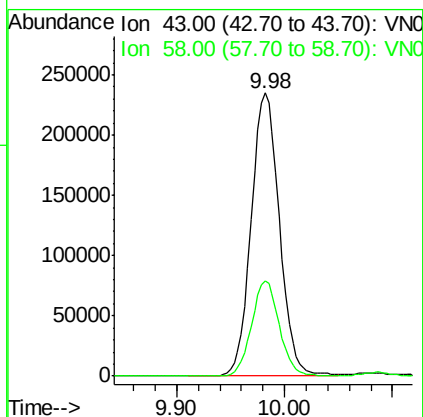
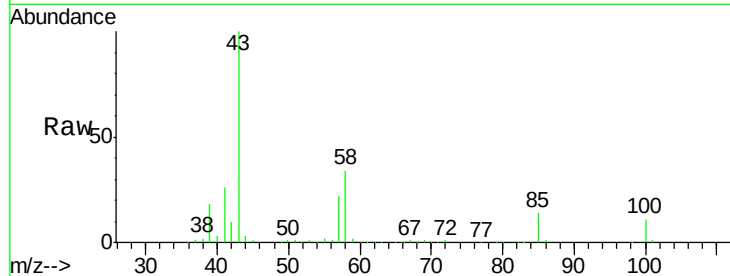
#51
4-Methyl-2-Pentanone
Concen: 106.187 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion: 43 Resp: 425463
Ion Ratio Lower Upper
43 100
58 33.3 26.9 40.3

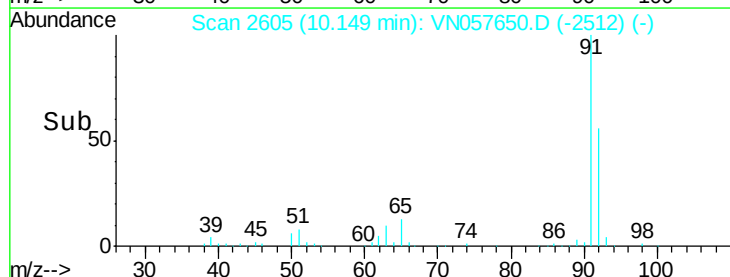
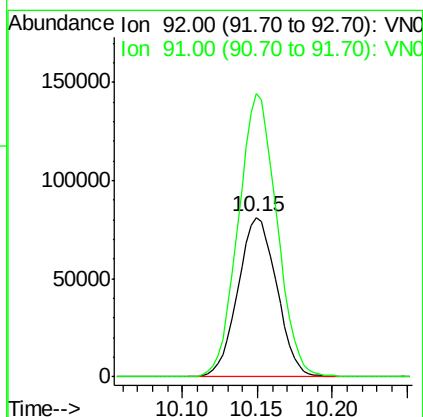
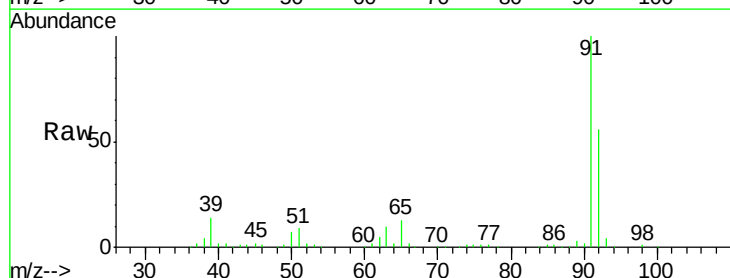
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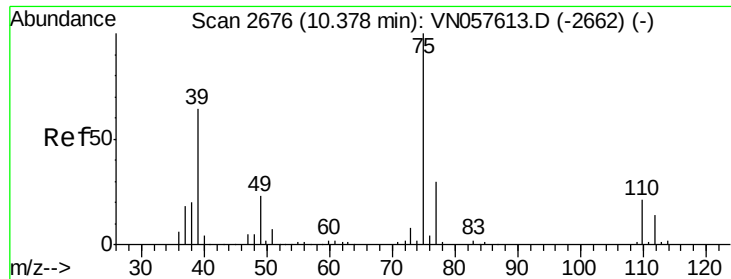
MMDadoda
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#52
Toluene
Concen: 20.953 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion: 92 Resp: 147048
Ion Ratio Lower Upper
92 100
91 176.0 143.8 215.6





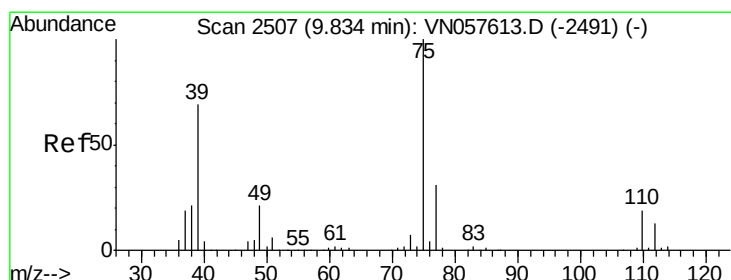
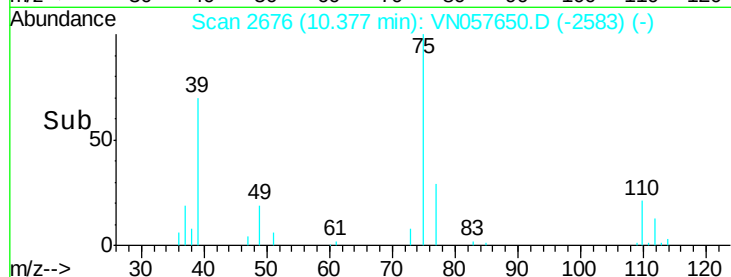
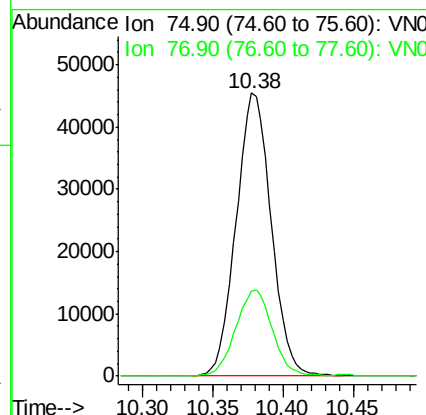
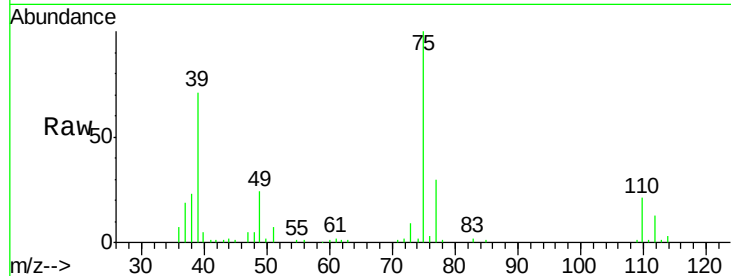
#53
t-1,3-Dichloropropene
Concen: 19.164 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion: 75 Resp: 79209
Ion Ratio Lower Upper
75 100
77 30.0 24.1 36.1

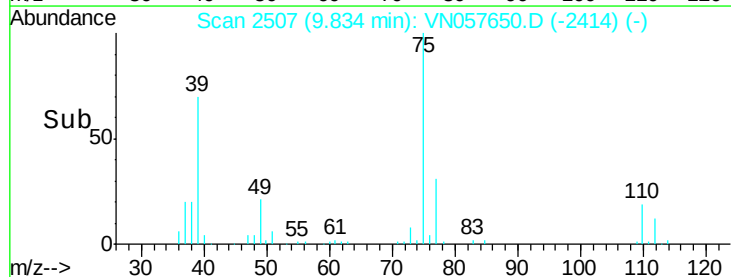
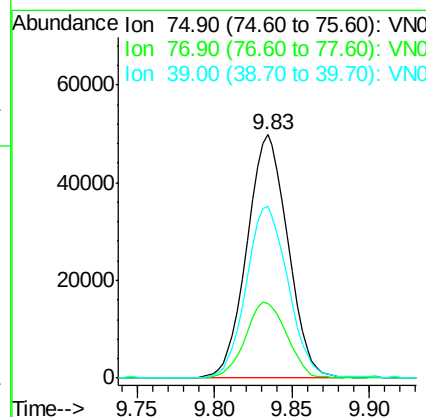
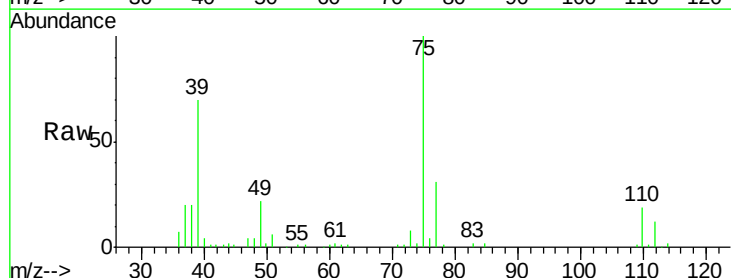
Manual Integrations
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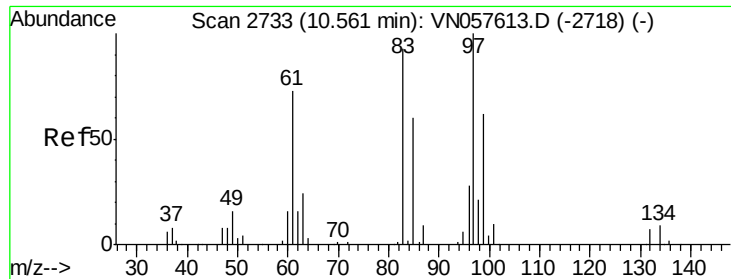
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.164 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion: 75 Resp: 91917
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 70.4 55.0 82.4





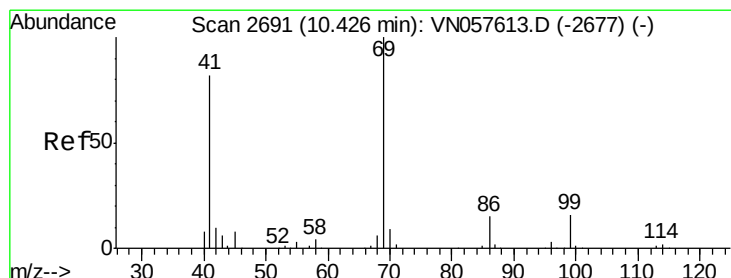
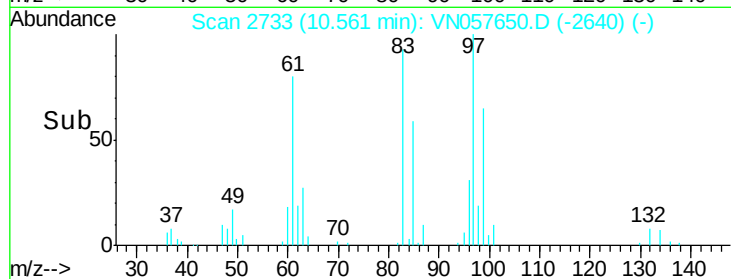
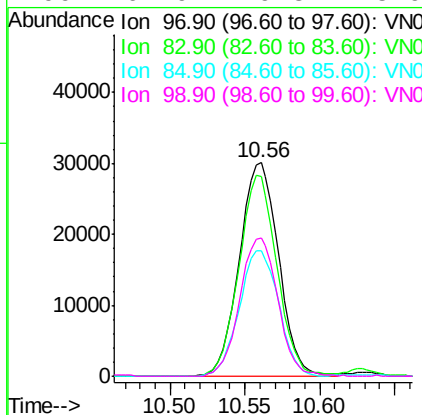
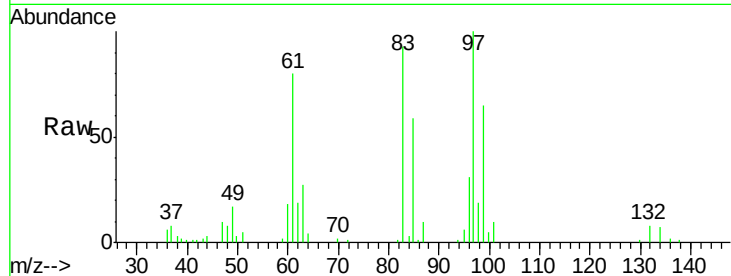
#55
 1,1,2-Trichloroethane
 Concen: 20.642 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion:	97	Resp:	54962
Ion	Ratio	Lower	Upper
97	100		
83	93.5	74.2	111.2
85	58.6	47.8	71.8
99	64.9	49.3	73.9

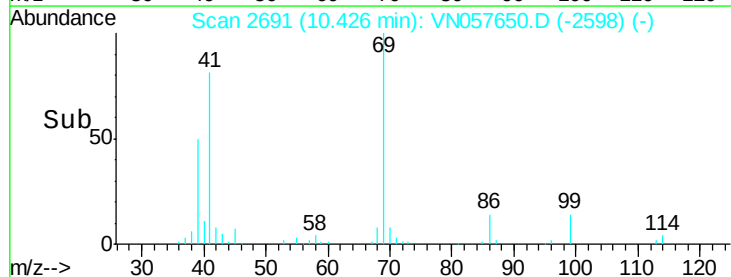
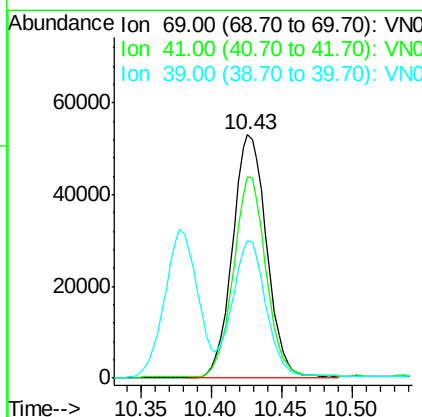
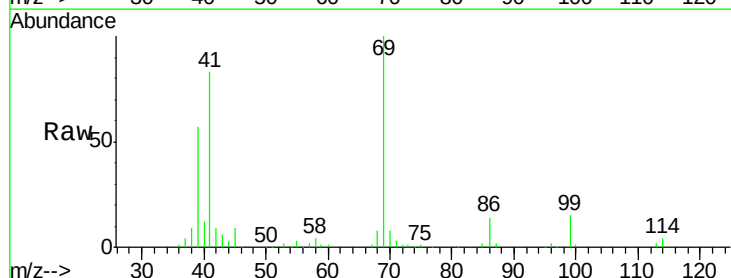
Manual Integrations
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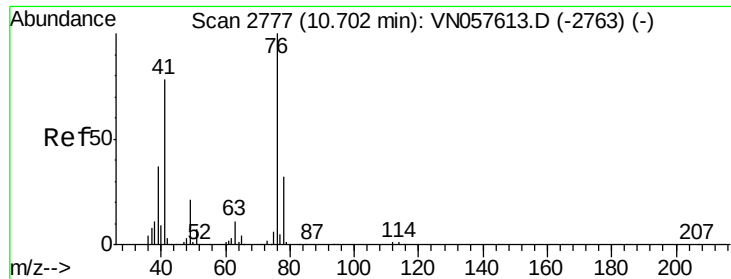
MMDadoda
 9/3/2019 11:03:04 AM



#56
 Ethyl methacrylate
 Concen: 20.283 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion:	69	Resp:	90125
Ion	Ratio	Lower	Upper
69	100		
41	77.9	65.8	98.6
39	53.6	43.8	65.8





#57

1,3-Dichloropropane

Concen: 20.714 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion: 76 Resp: 101193

Ion Ratio Lower Upper

76 100

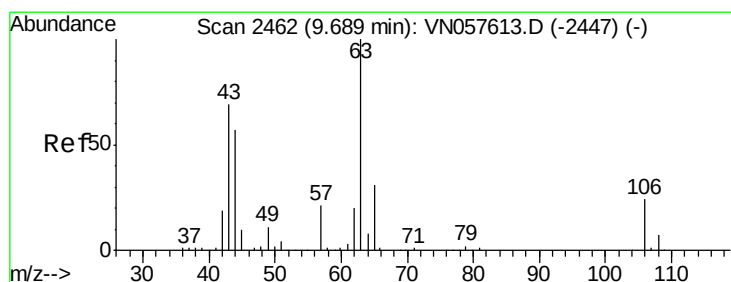
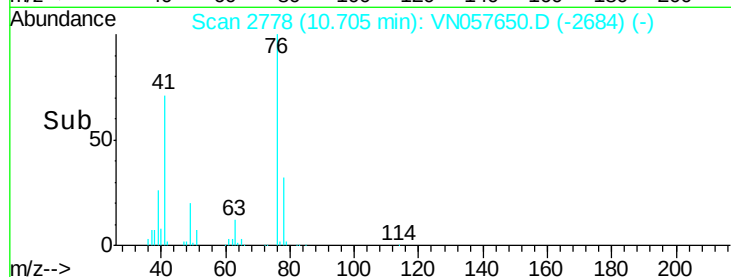
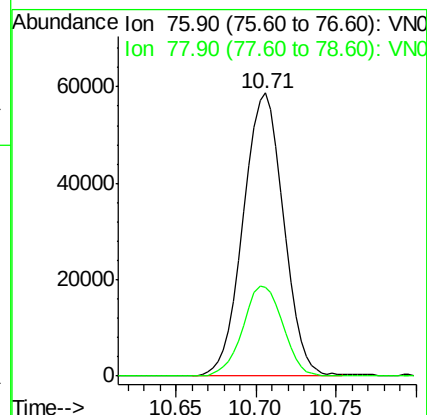
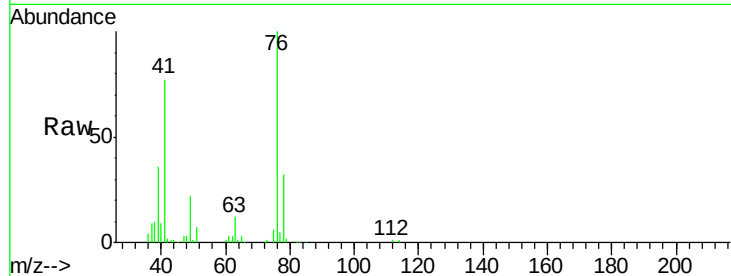
78 31.5 25.4 38.2

Manual Integrations

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9/3/2019 11:03:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 87.340 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057650.D

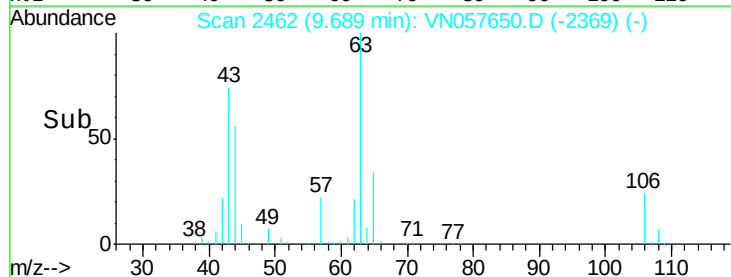
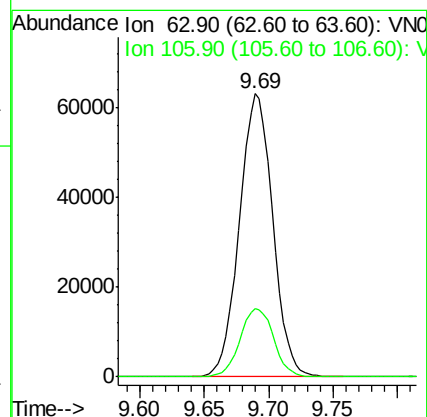
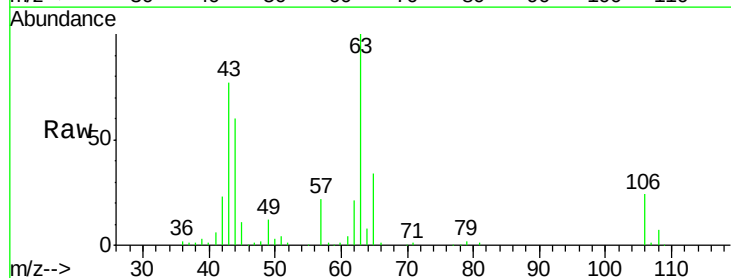
Acq: 1 Sep 2019 17:44

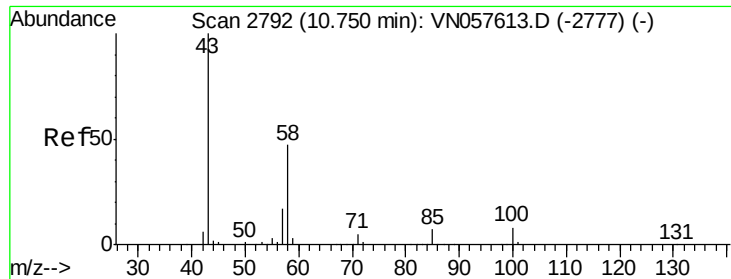
Tgt Ion: 63 Resp: 113541

Ion Ratio Lower Upper

63 100

106 24.0 18.3 27.5





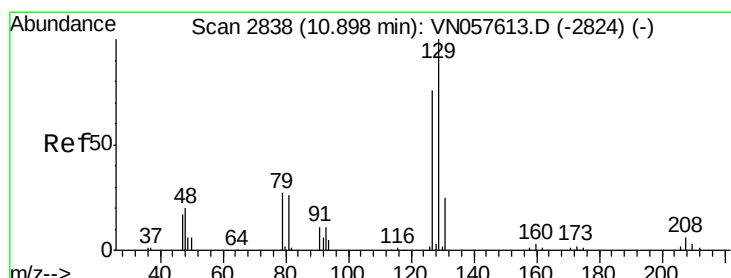
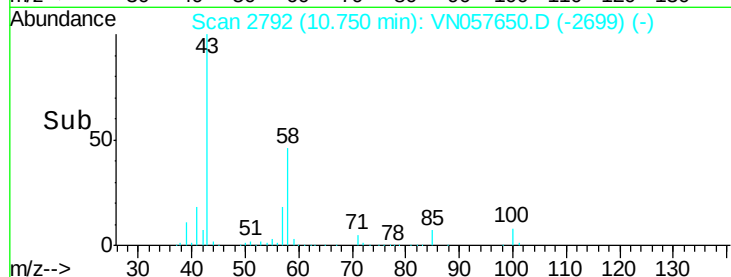
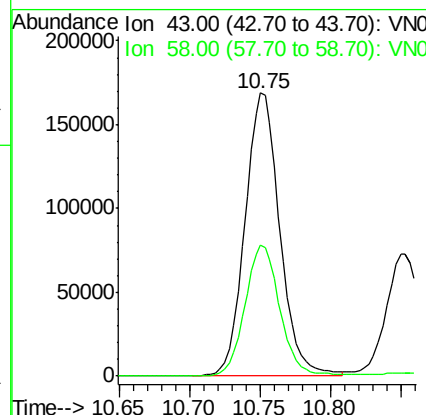
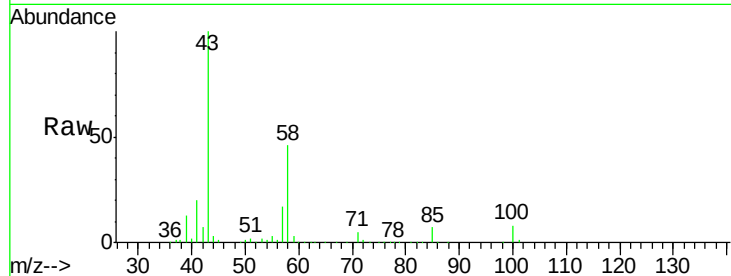
#59
2-Hexanone
Concen: 98.573 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.9	23.5	70.5

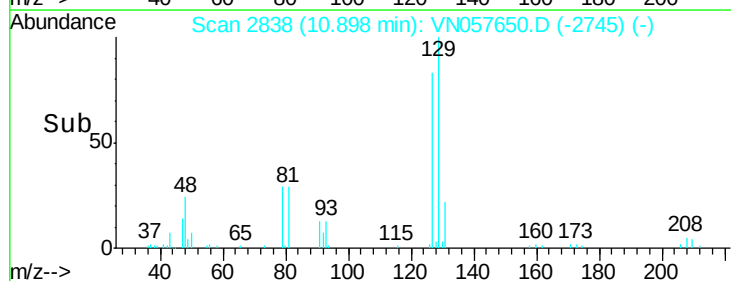
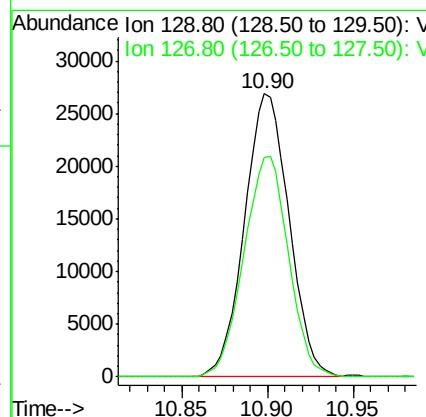
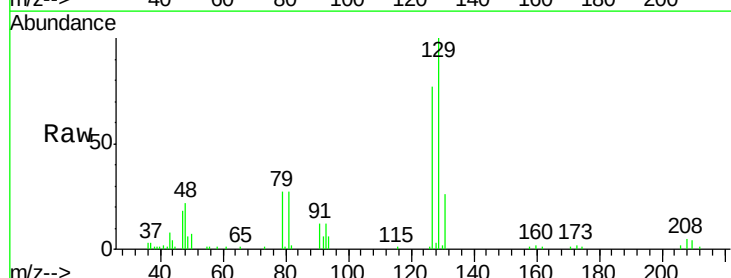
Manual Integrations
APPROVED

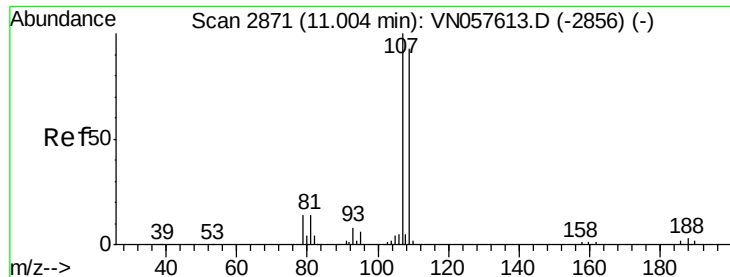
MMDadoda
9/3/2019 11:03:04 AM



#60
Dibromochloromethane
Concen: 18.937 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.8





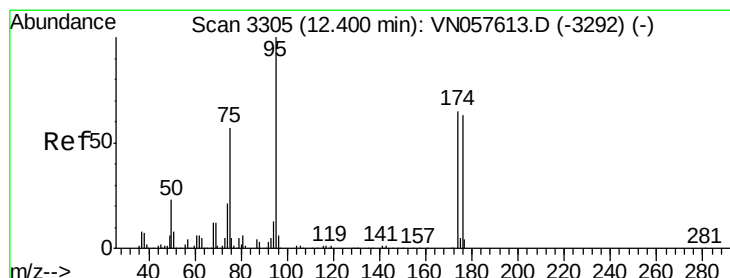
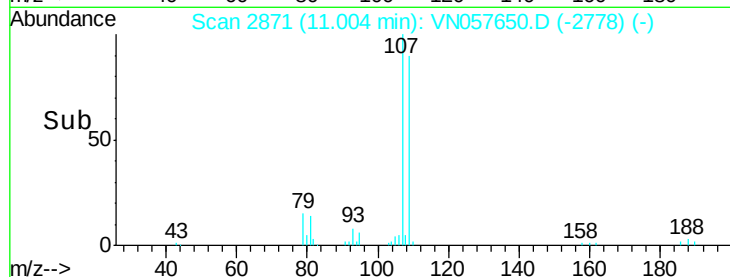
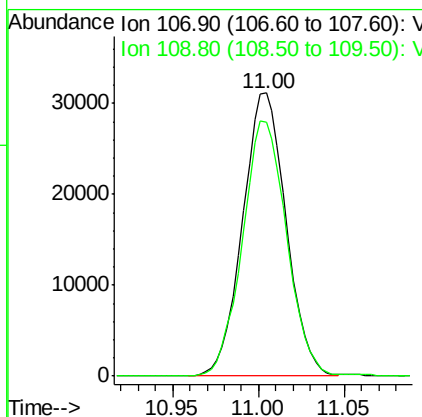
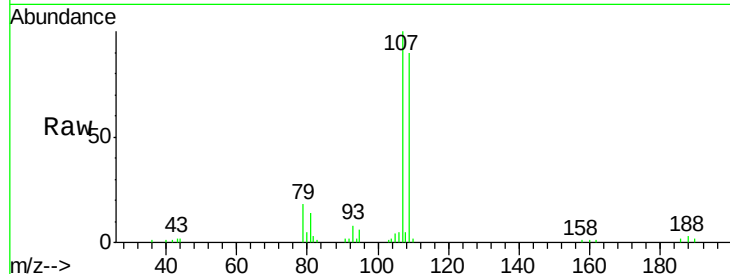
#61
 1,2-Dibromoethane
 Concen: 20.388 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.0	112.4

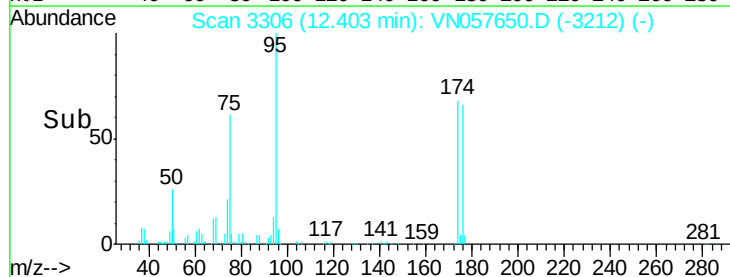
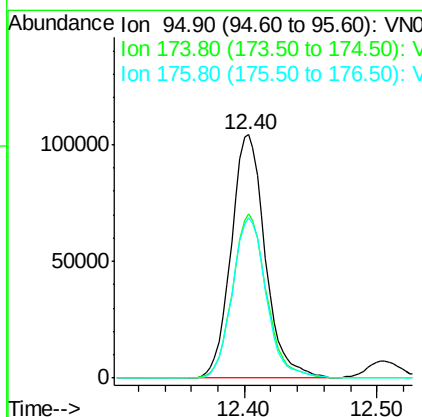
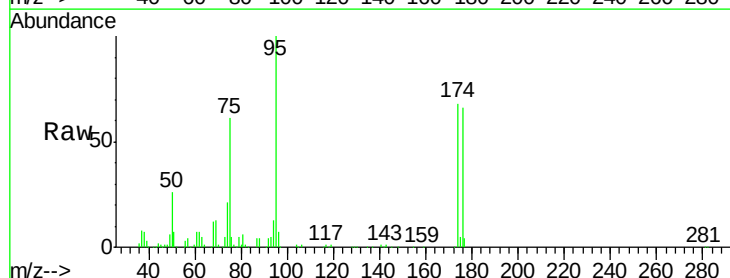
Manual Integrations
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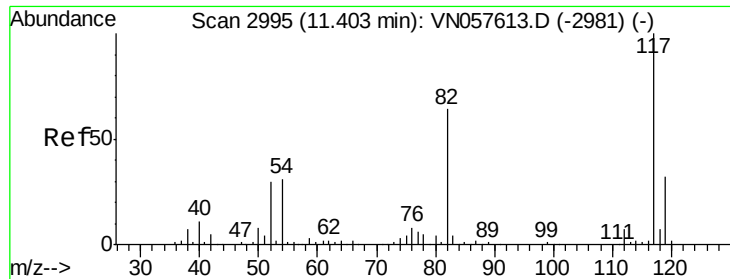
MMDadoda
 9/3/2019 11:03:04 AM



#62
 4-Bromofluorobenzene
 Concen: 47.484 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	134.8
176	65.4	0.0	131.6





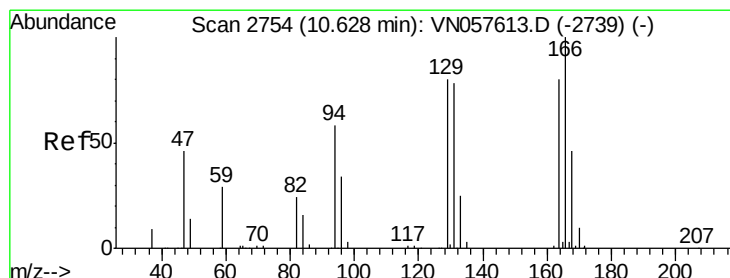
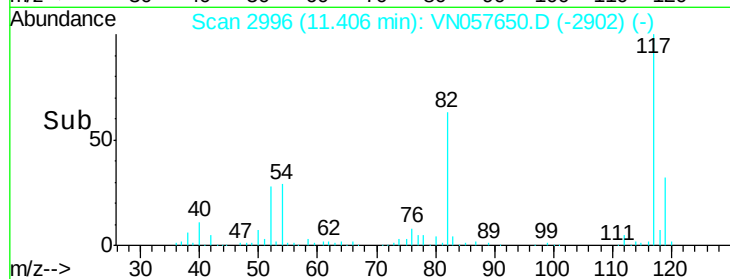
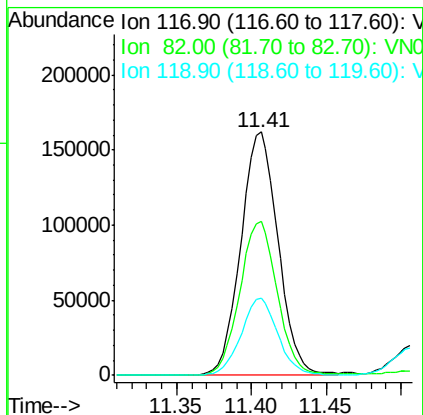
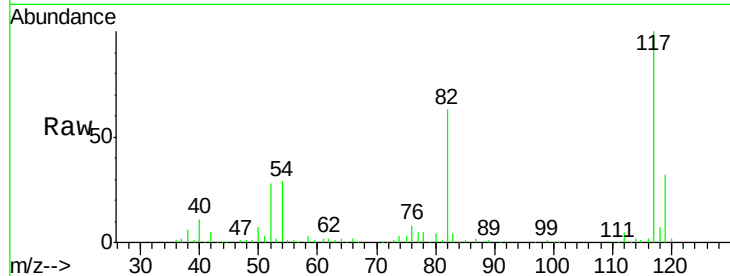
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	51.6	77.4
119	31.6	25.8	38.6

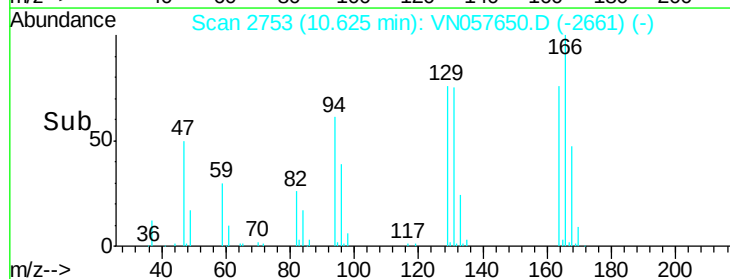
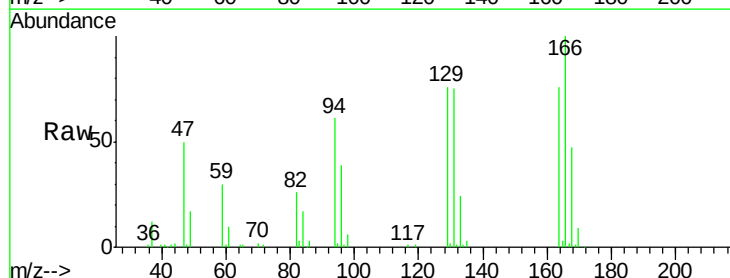
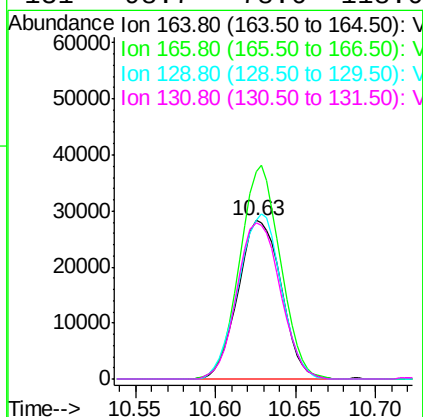
Manual Integrations
APPROVED

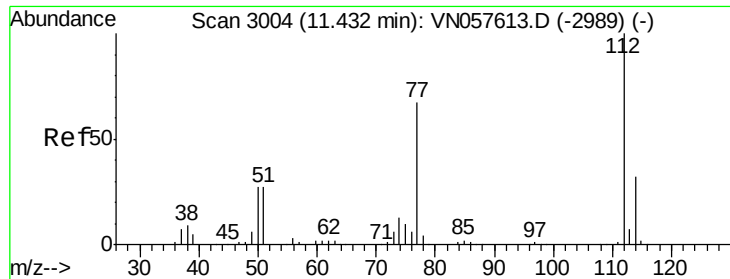
MMDadoda
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#64
Tetrachloroethene
Concen: 21.435 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	100.6	151.0
129	100.3	80.4	120.6
131	98.7	78.6	118.0





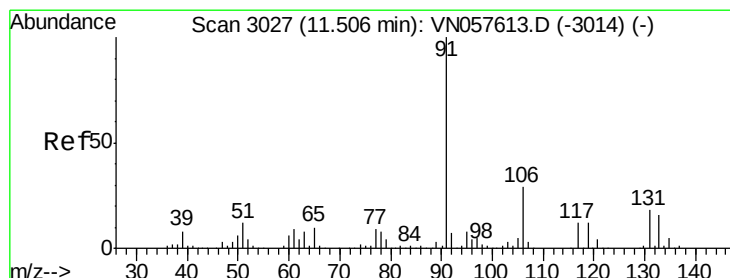
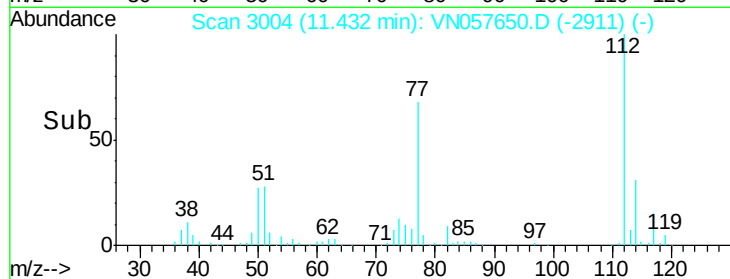
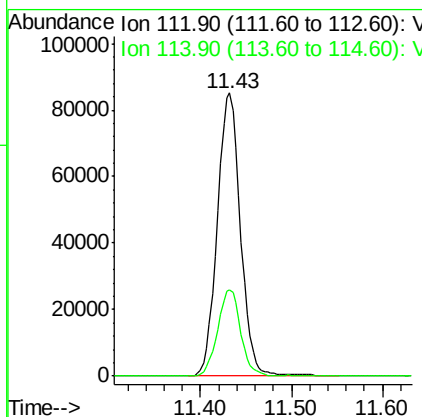
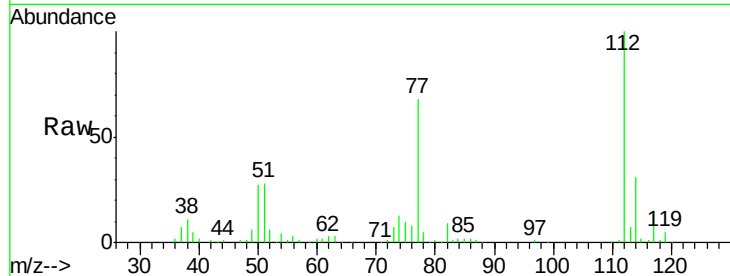
#65
Chlorobenzene
Concen: 21.363 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion:112 Resp: 150510
Ion Ratio Lower Upper
112 100
114 30.7 25.3 37.9

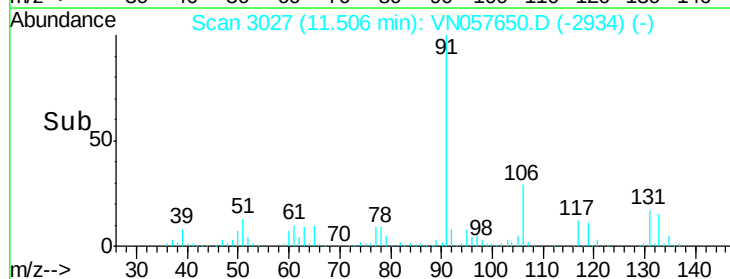
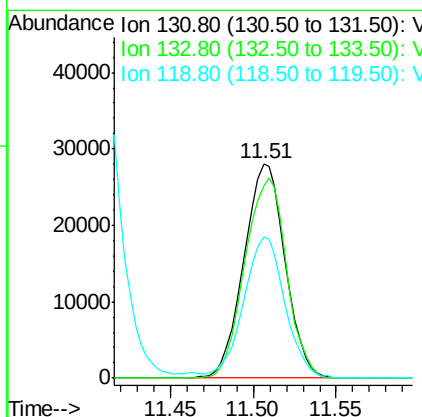
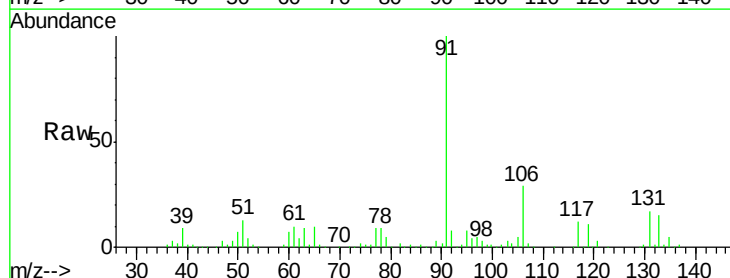
Manual Integrations
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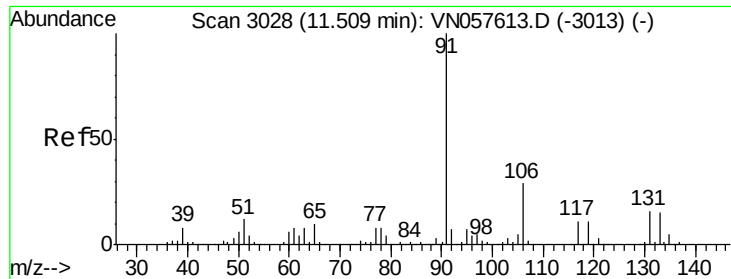
MMDadoda
9/3/2019 11:03:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.747 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion:131 Resp: 48522
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.4
119 66.1 33.9 101.6





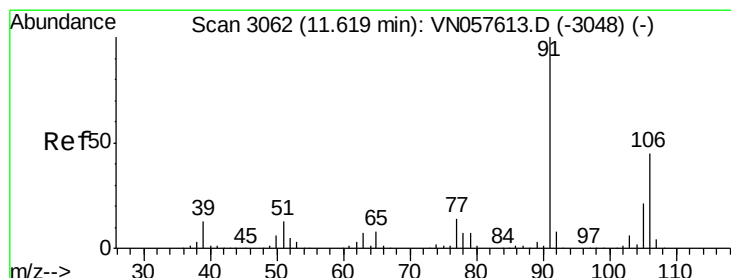
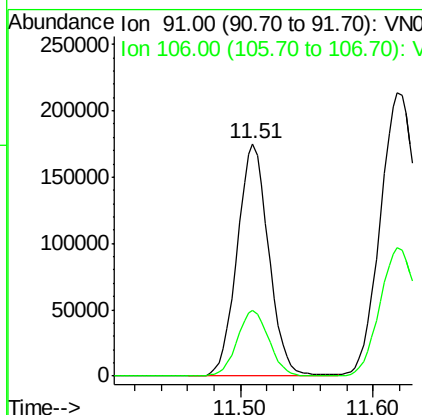
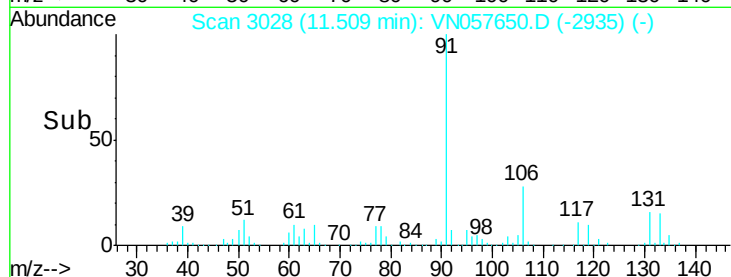
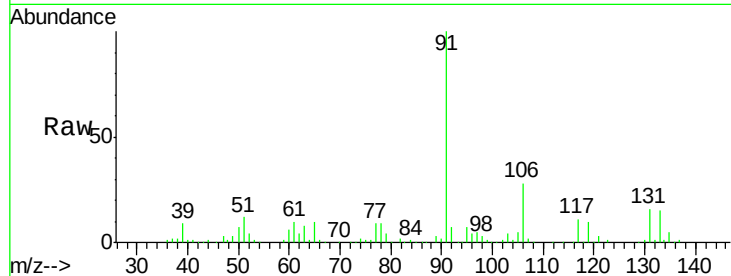
#67
Ethyl Benzene
Concen: 21.115 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion: 91 Resp: 289049
Ion Ratio Lower Upper
91 100
106 28.3 22.9 34.3

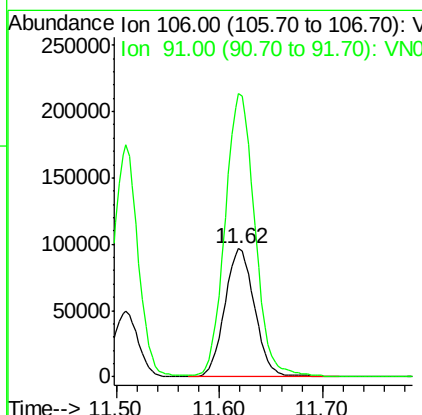
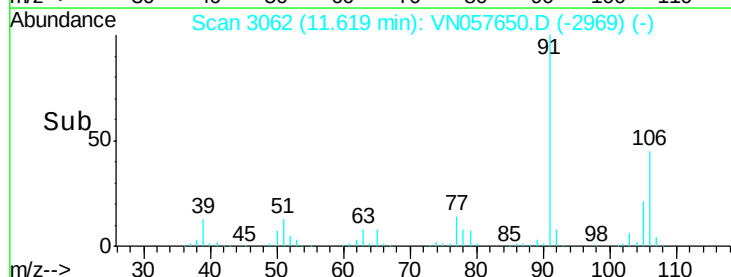
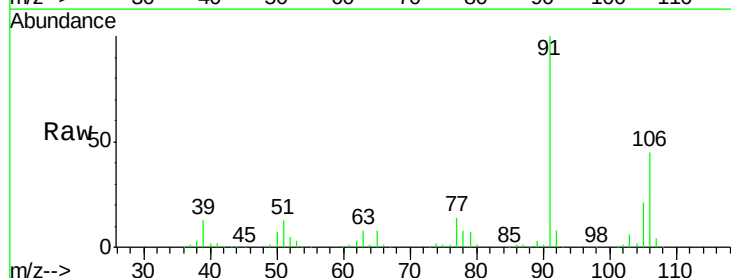
Manual Integrations
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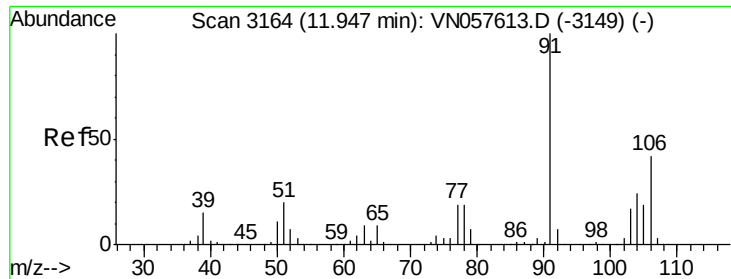
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#68
m/p-Xylenes
Concen: 40.637 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion: 106 Resp: 195973
Ion Ratio Lower Upper
106 100
91 220.3 176.2 264.2





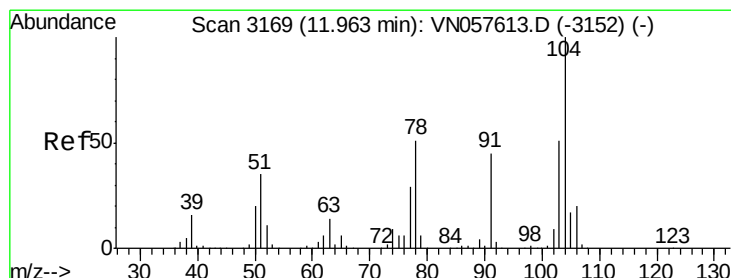
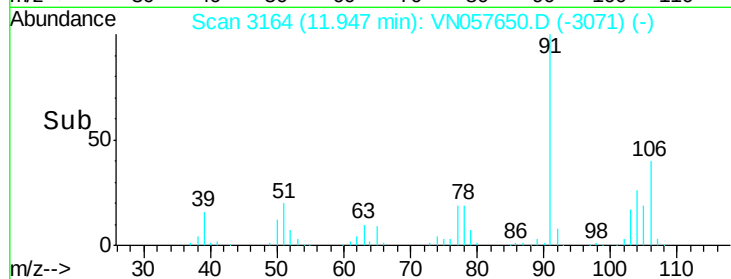
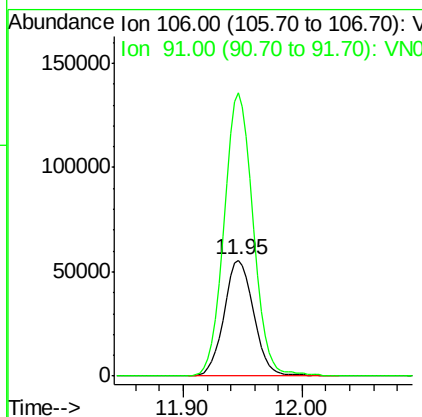
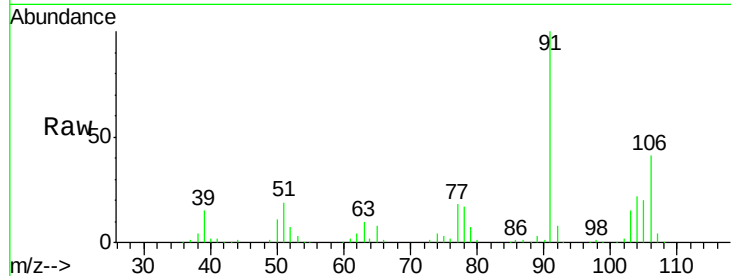
#69
o-Xylene
Concen: 20.716 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion:106 Resp: 96819
Ion Ratio Lower Upper
106 100
91 237.9 117.3 351.8

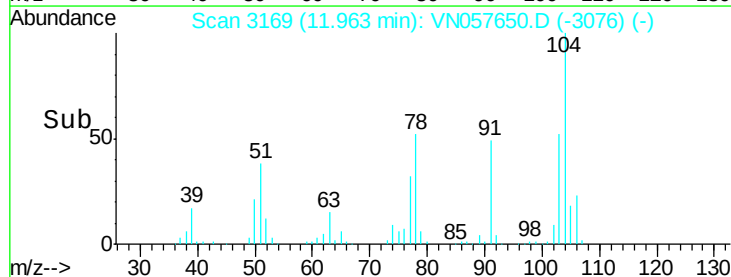
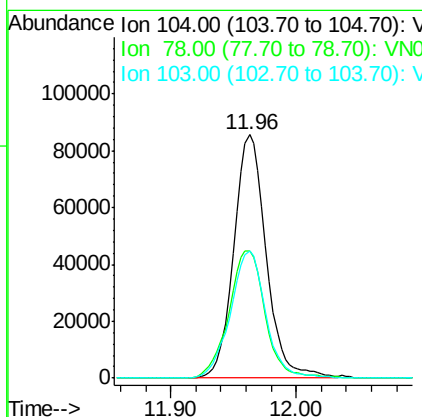
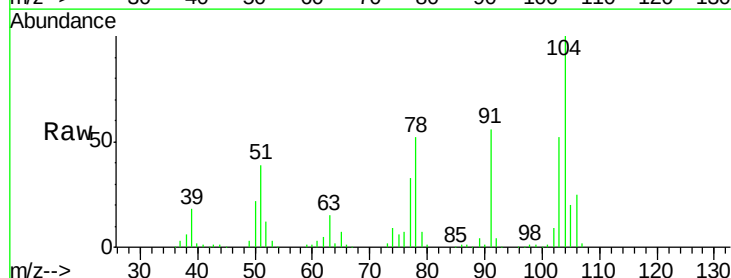
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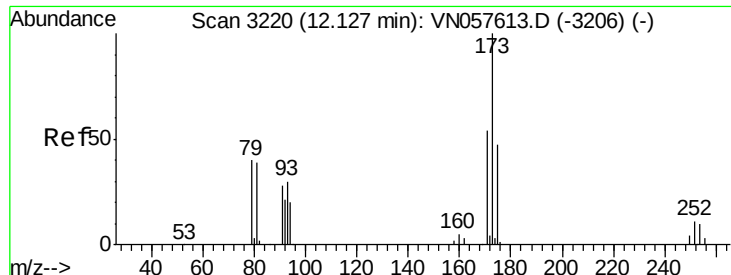
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#70
Styrene
Concen: 19.894 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion:104 Resp: 153545
Ion Ratio Lower Upper
104 100
78 58.9 46.6 70.0
103 56.9 44.7 67.1





#71

Bromoform

Concen: 19.649 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion:173 Resp: 28009

Ion Ratio Lower Upper

173 100

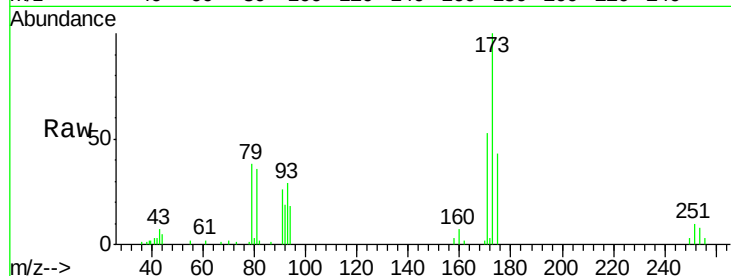
175 47.1 24.4 73.4

254 0.0 0.0 0.0

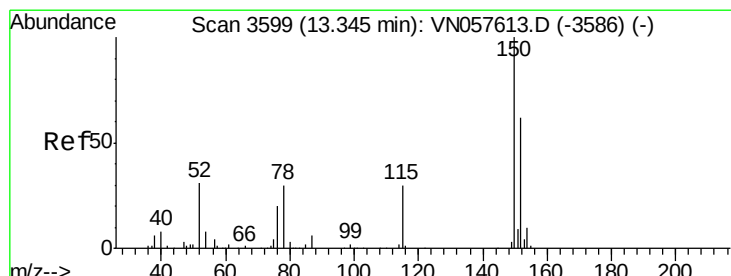
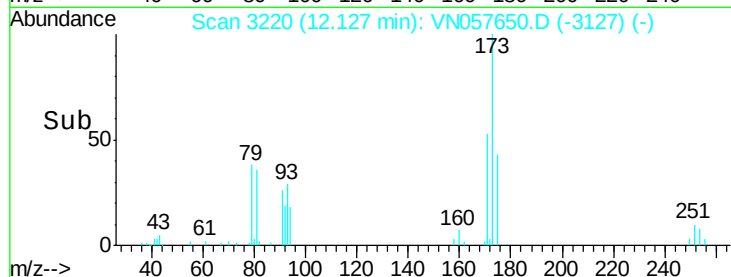
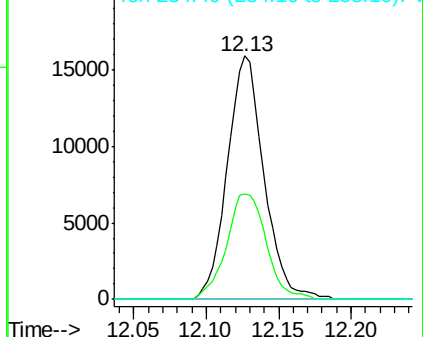
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

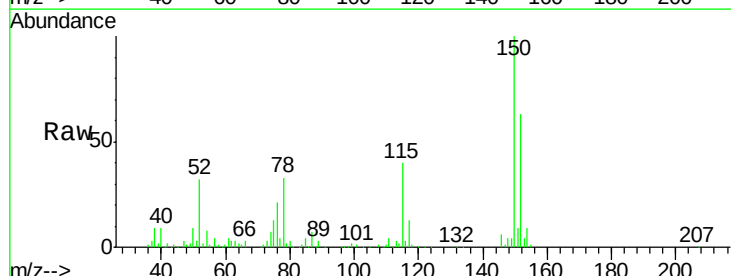
Tgt Ion:152 Resp: 116049

Ion Ratio Lower Upper

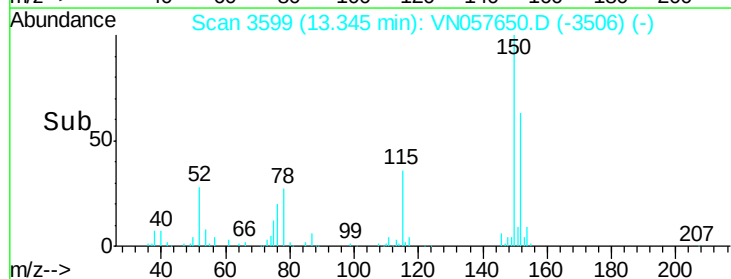
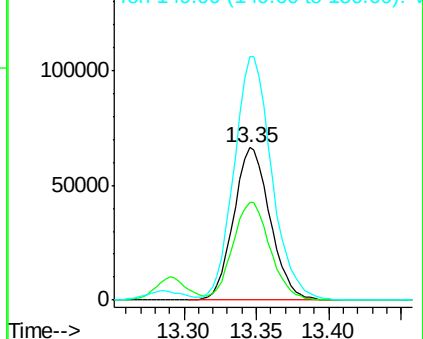
152 100

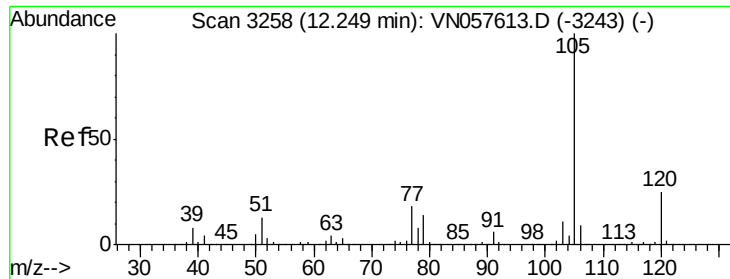
115 65.7 33.2 99.6

150 165.5 0.0 365.2



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: 22.919 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tot Ion: 105 Resp: 268538

Ion Ratio Lower Upper

105 100

120 24.3 12.7 38.1

Instrument :

MSVOA_N

ClientSampled :

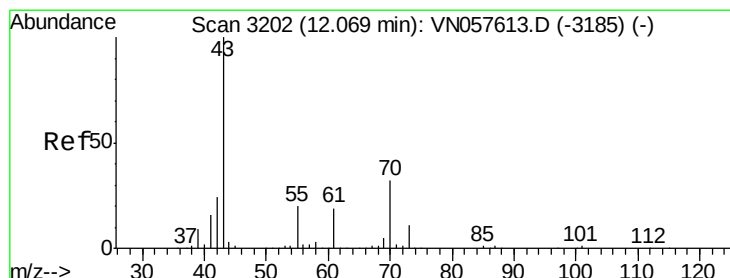
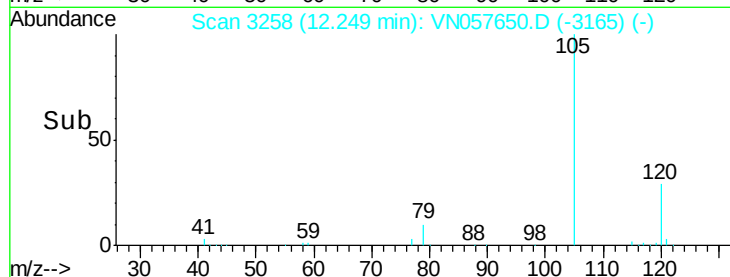
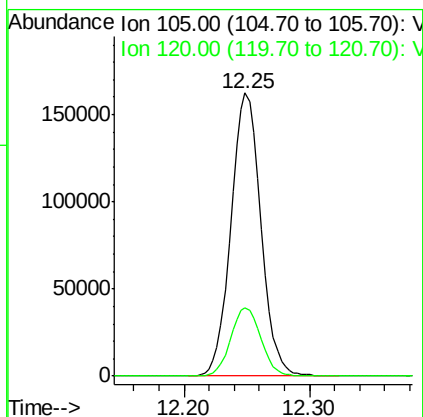
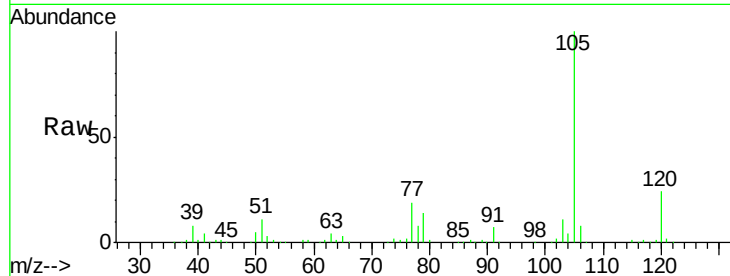
VN0902WBSD01

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#74

N-ethyl acetate

Concen: 21.797 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion: 43 Resp: 120526

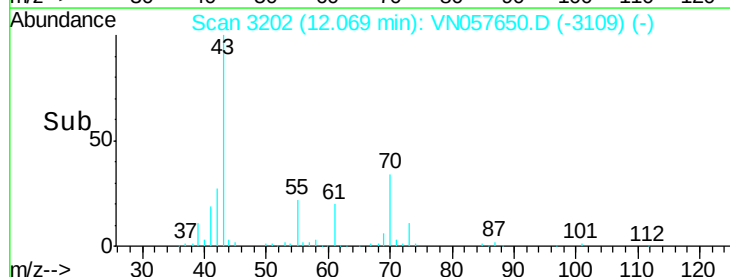
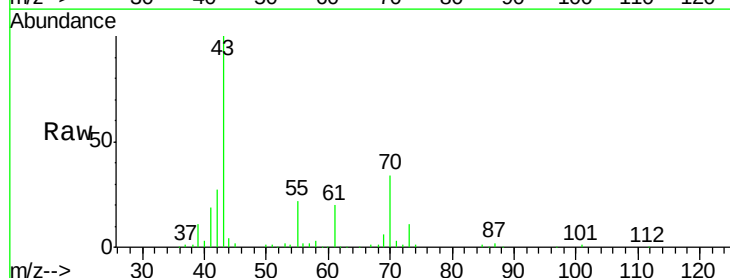
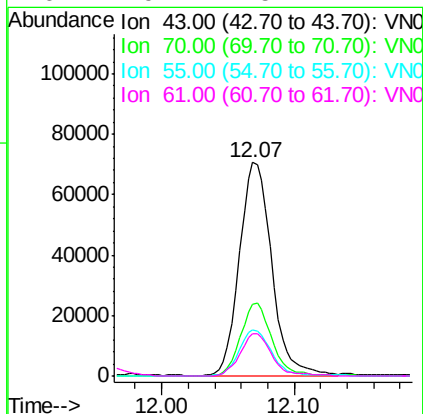
Ion Ratio Lower Upper

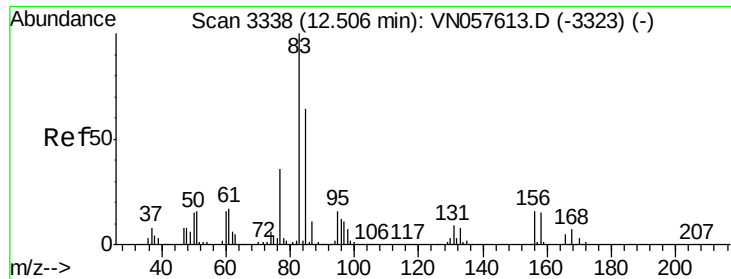
43 100

70 33.0 26.9 40.3

55 21.9 16.8 25.2

61 19.4 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.068 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

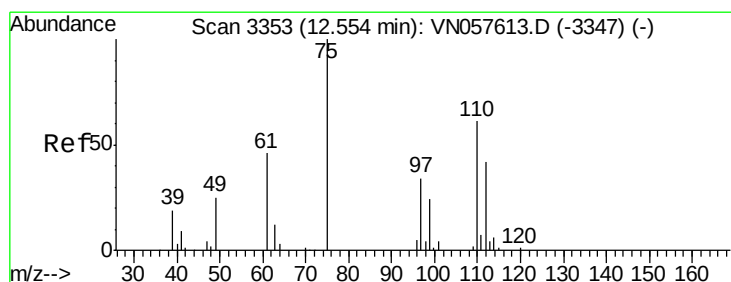
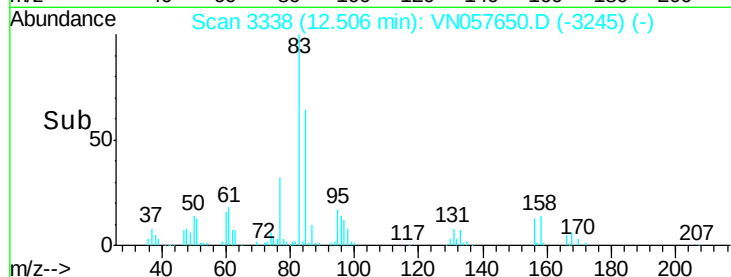
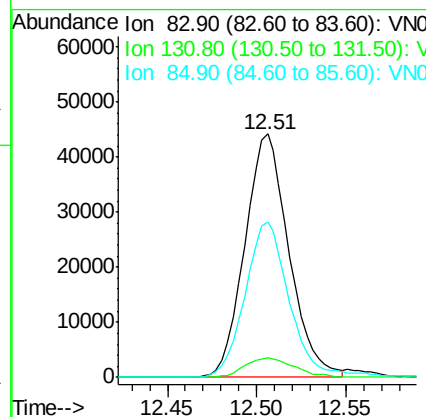
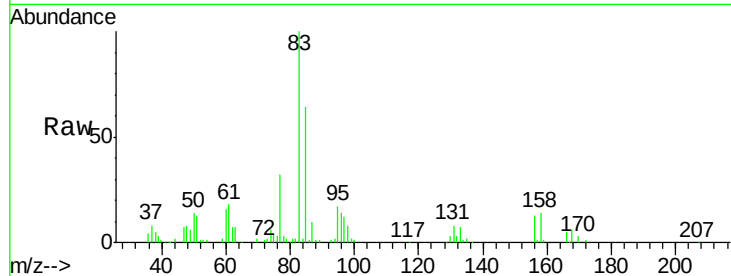
ClientSampled :

VN0902WBSD01

Tot Ion:	83	Resp:	76208
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	64.3	31.3	93.8

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#76

1,2,3-Trichloropropane

Concen: 24.080 ug/l m

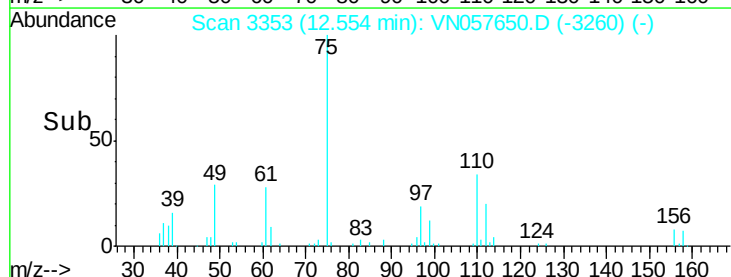
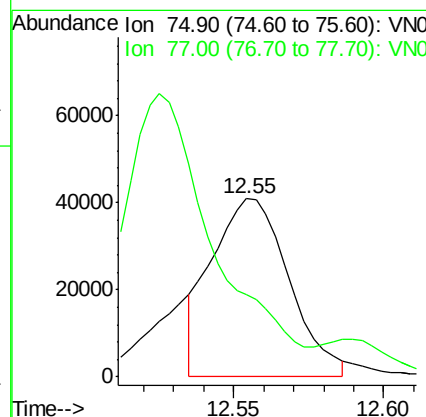
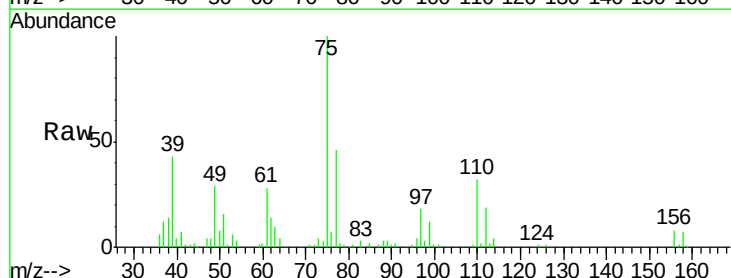
RT: 12.55 min Scan# 3353

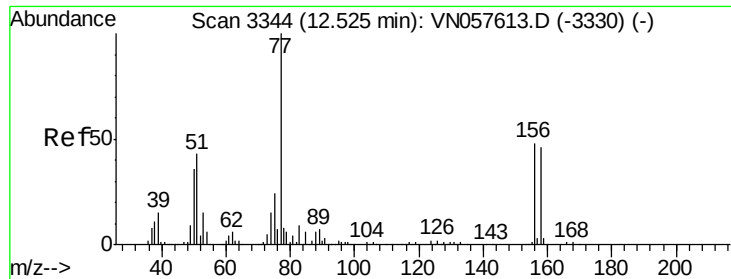
Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	75	Resp:	73508
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





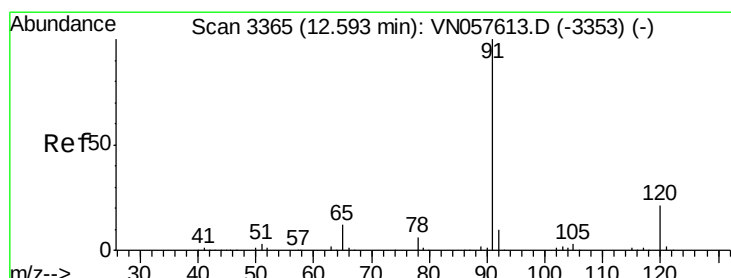
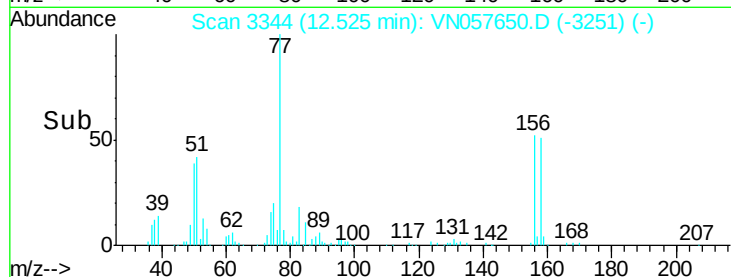
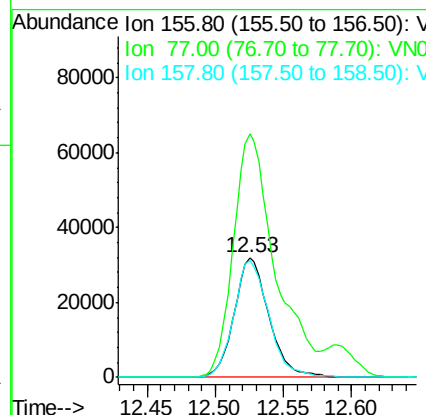
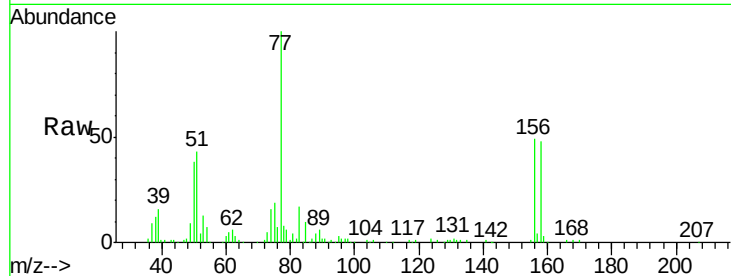
#77
Bromobenzene
Concen: 22.629 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampled :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.6	123.5	370.5
158	98.7	47.8	143.3

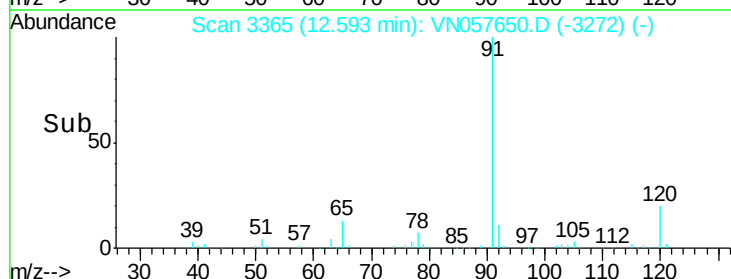
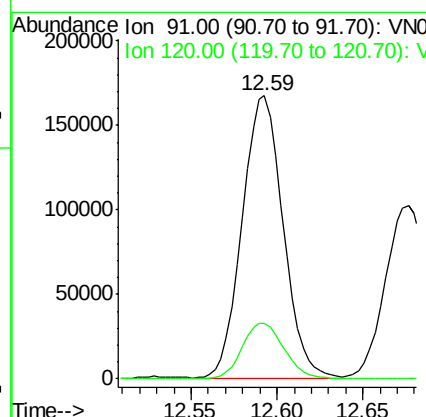
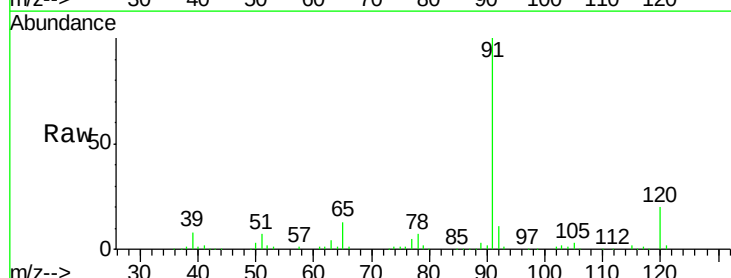
Manual Integrations
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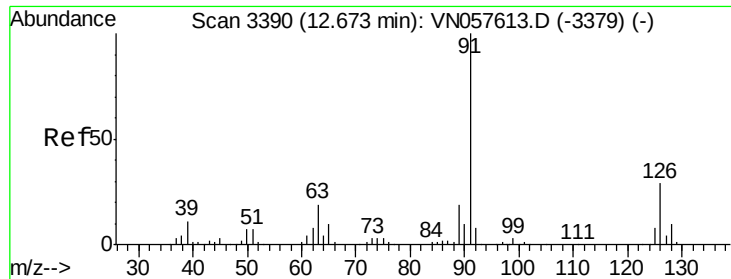
MMDadoda
9/3/2019 11:03:04 AM



#78
n-propylbenzene
Concen: 21.202 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.4	31.4





#79

2-Chlorotoluene

Concen: 22.296 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

VN0902WBSD01

Tot Ion: 91 Resp: 181309

Ion Ratio Lower Upper

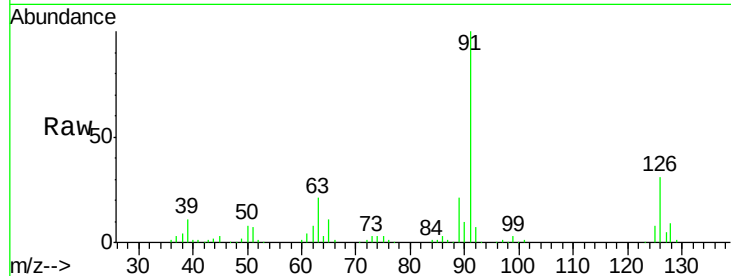
91 100

126 30.0 14.9 44.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3379) (-)

150000

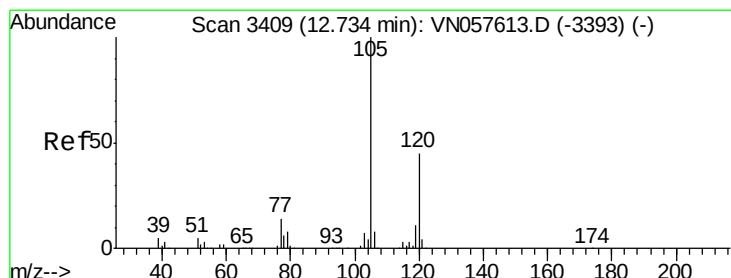
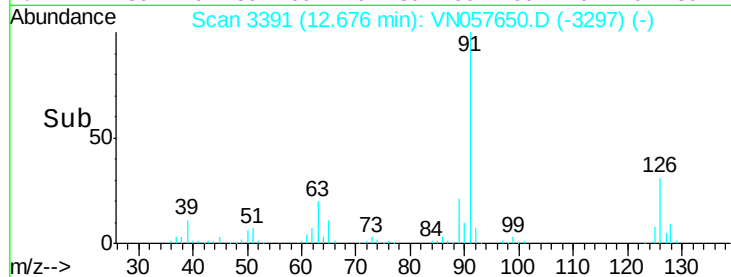
100000

50000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.425 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057650.D

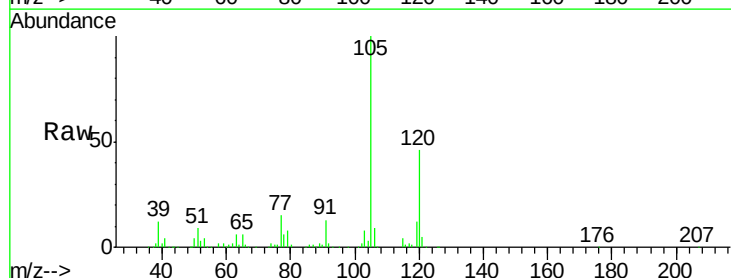
Acq: 1 Sep 2019 17:44

Tgt Ion: 105 Resp: 216157

Ion Ratio Lower Upper

105 100

120 44.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3393) (-)

150000

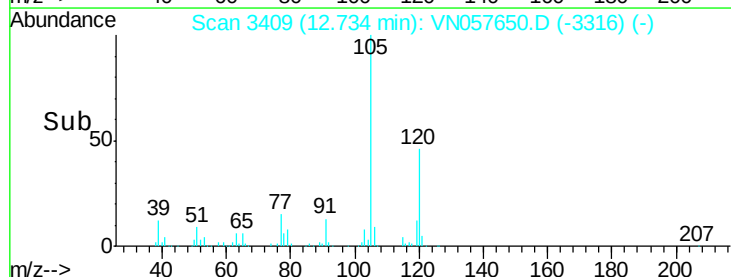
100000

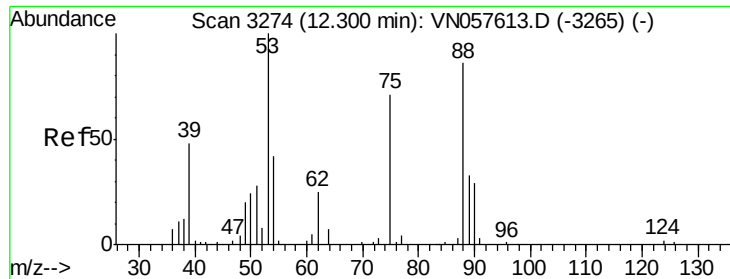
50000

0

12.70 12.73 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.323 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

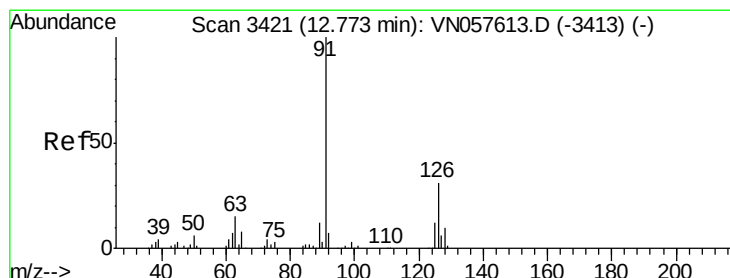
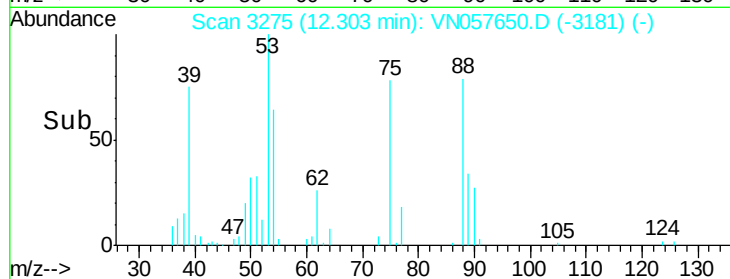
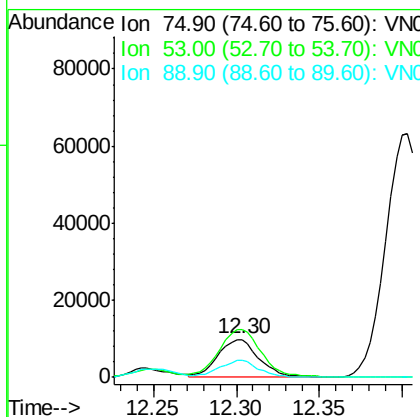
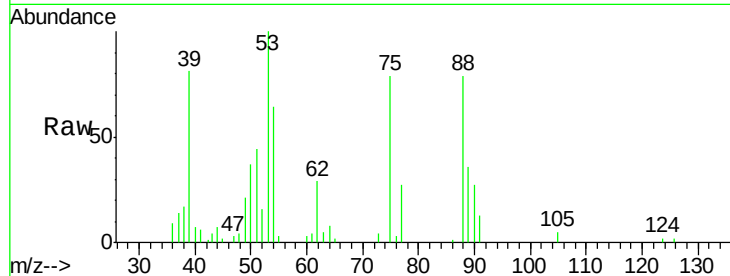
ClientSampled :

VN0902WBSD01

Tot Ion:	75	Resp:	16317
Ion Ratio	Lower	Upper	
75	100		
53	138.0	111.0	166.6
89	44.2	38.3	57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.615 ug/l

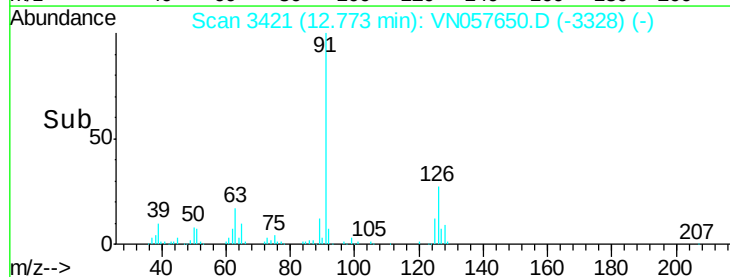
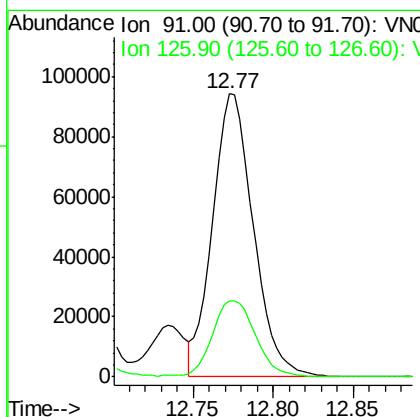
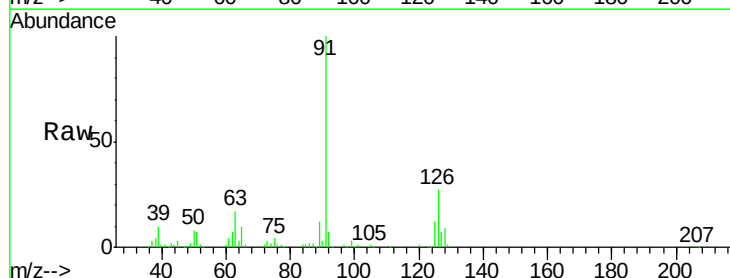
RT: 12.77 min Scan# 3421

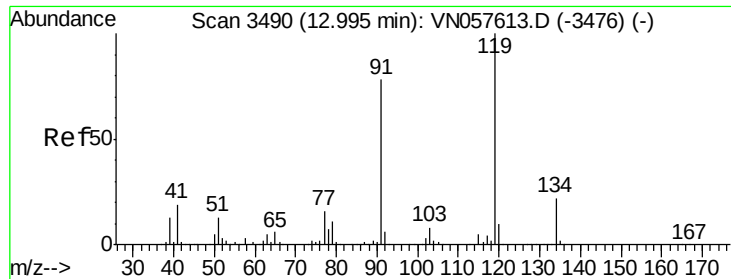
Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	91	Resp:	165931
Ion Ratio	Lower	Upper	
91	100		
126	28.4	14.4	43.2





#83

tert-Butylbenzene

Concen: 22.551 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

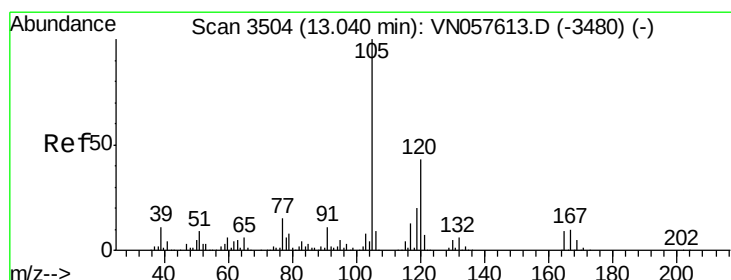
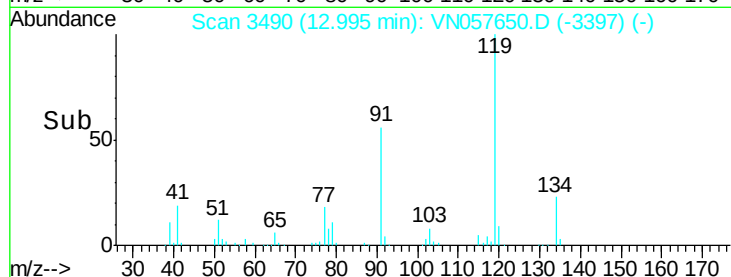
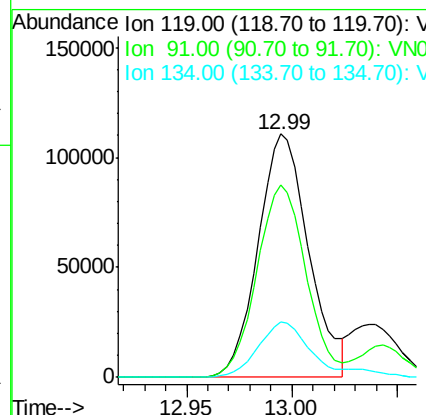
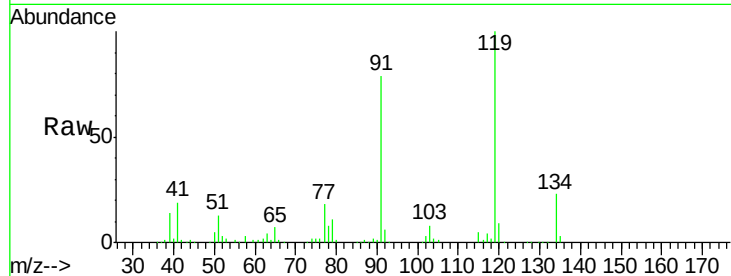
ClientSampled :

VN0902WBSD01

Tot Ion:	119	Resp:	184440
Ion Ratio	Lower	Upper	
119	100		
91	77.0	38.3	114.9
134	25.1	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.483 ug/l

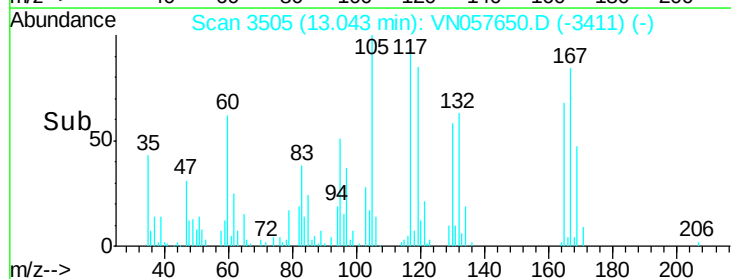
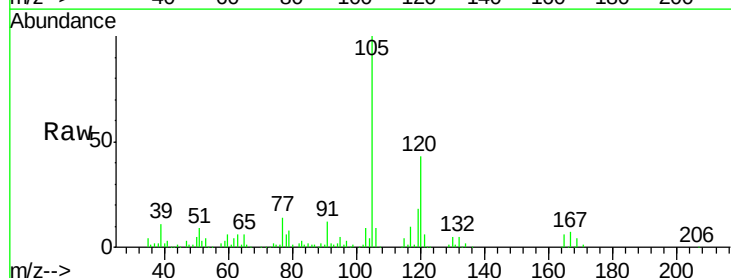
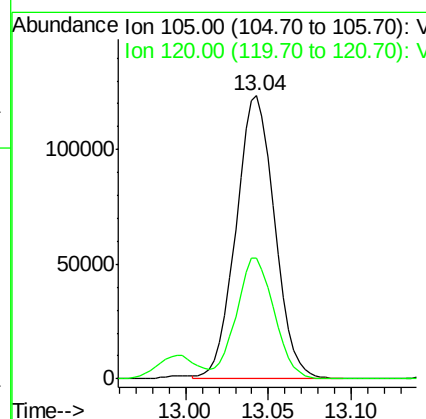
RT: 13.04 min Scan# 3505

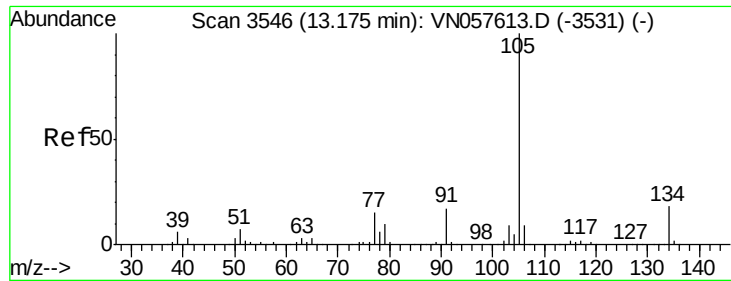
Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	105	Resp:	200341
Ion Ratio	Lower	Upper	
105	100		
120	42.0	20.8	62.5





#85

sec-Butylbenzene

Concen: 20.579 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBSD01

Tot Ion:105 Resp: 226393

Ion Ratio Lower Upper

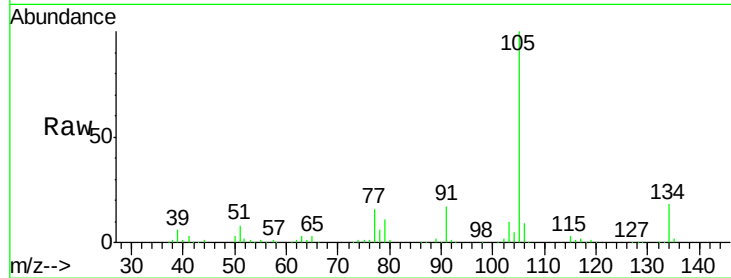
105 100

134 18.5 8.9 26.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

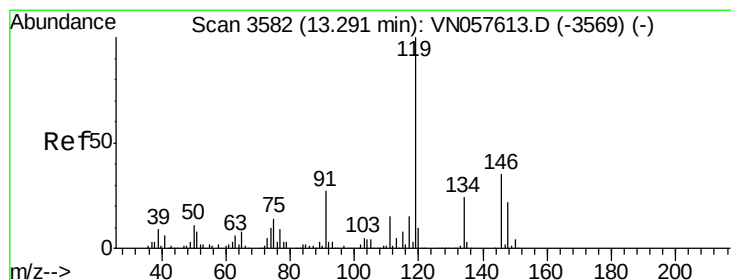
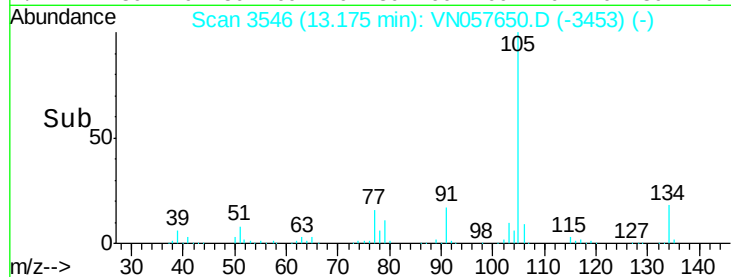
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.811 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

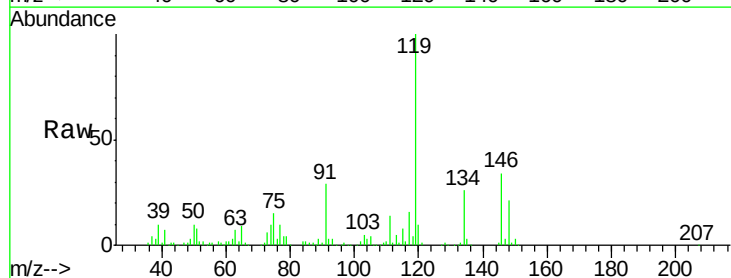
Tgt Ion:119 Resp: 189335

Ion Ratio Lower Upper

119 100

134 24.7 11.9 35.5

91 28.9 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

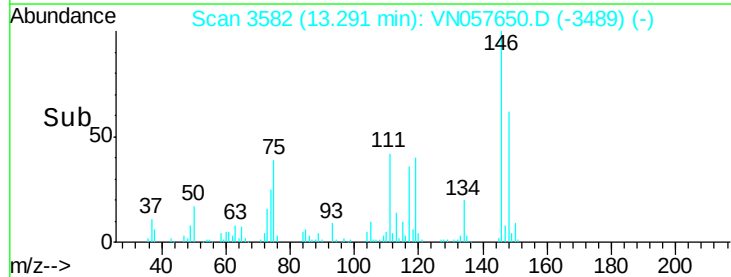
150000

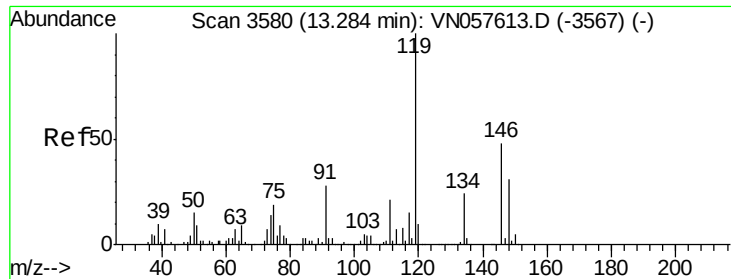
100000

50000

0

Time-->





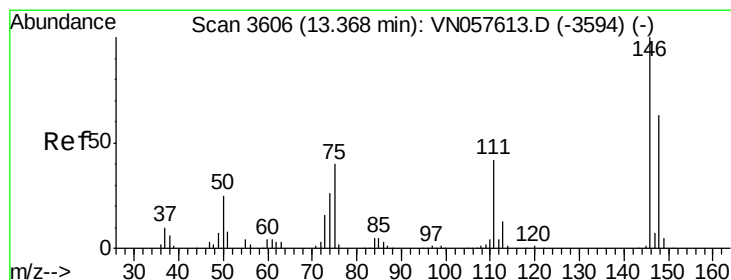
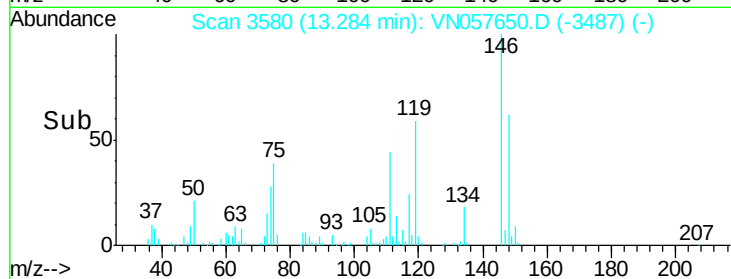
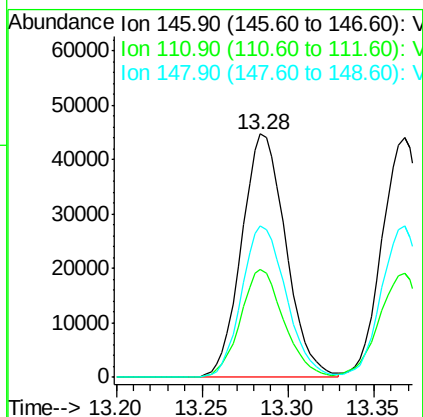
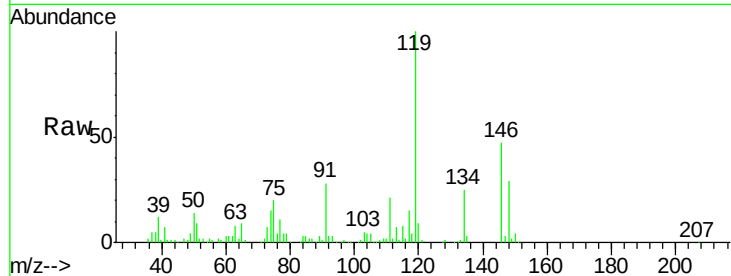
#87
 1,3-Dichlorobenzene
 Concen: 19.669 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	62.4	31.4	94.2

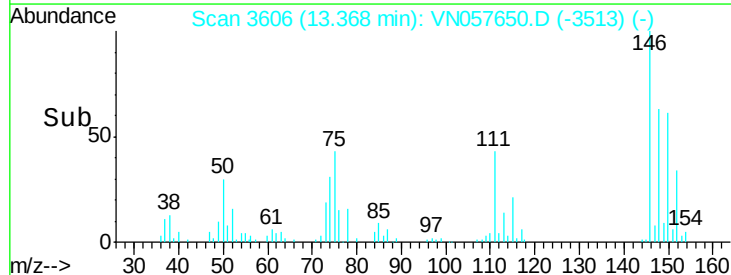
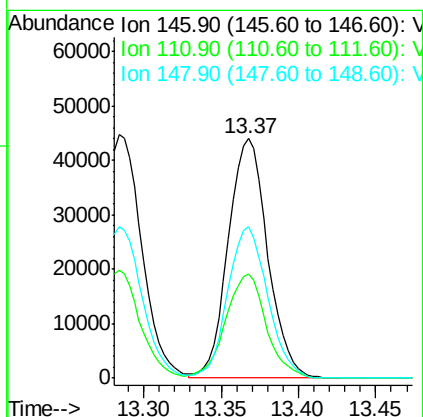
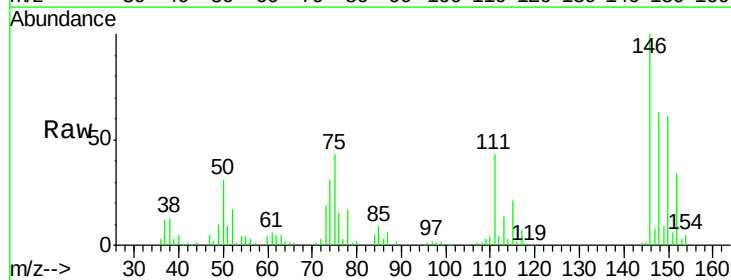
Manual Integrations
 APPROVED

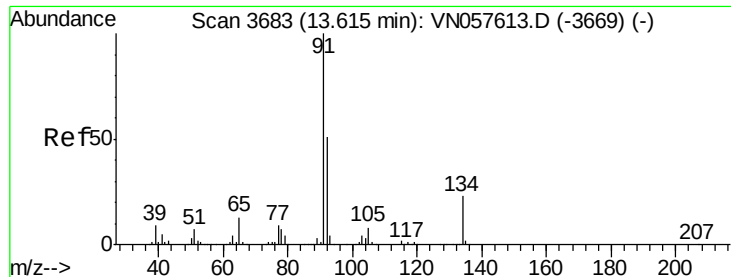
MMDadoda
 9/3/2019 11:03:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.844 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	65.0
148	64.2	32.2	96.6





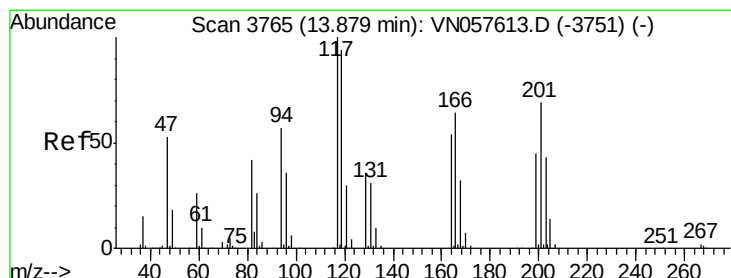
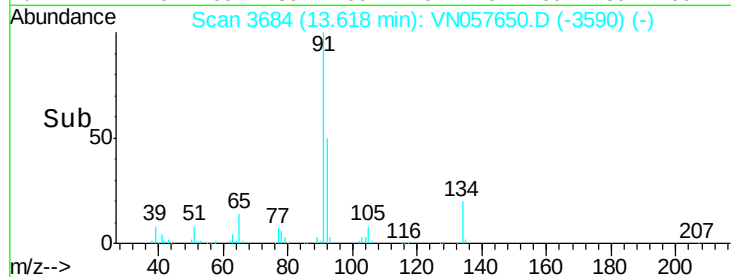
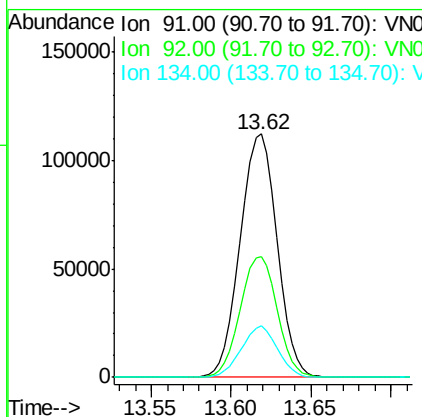
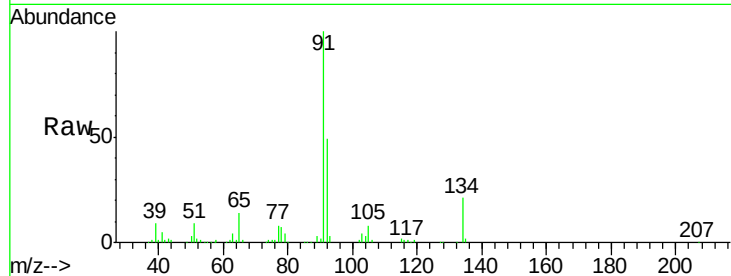
#89
n-Butylbenzene
Concen: 20.772 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.5	25.4	76.0
134	20.5	11.0	33.0

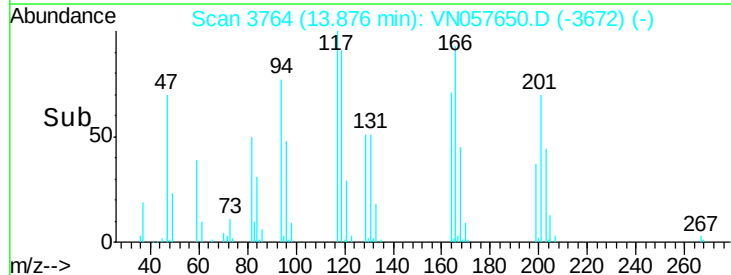
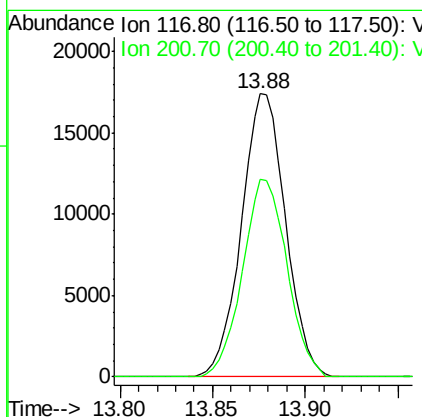
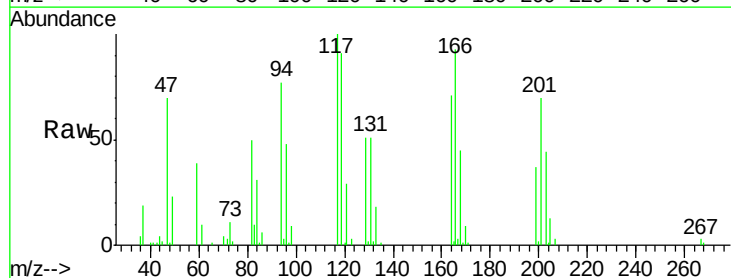
Manual Integrations
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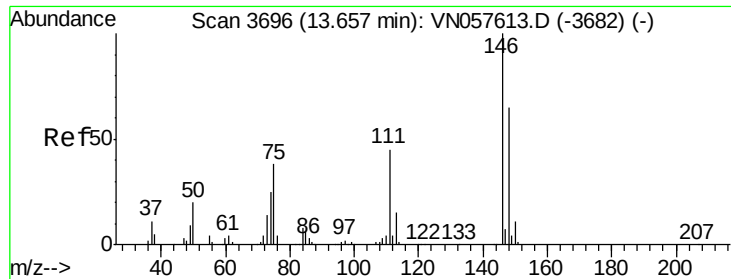
MMDadoda
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#90
Hexachloroethane
Concen: 18.266 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057650.D
Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	34.4	103.2





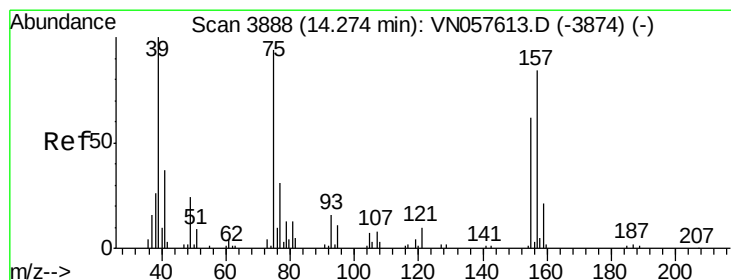
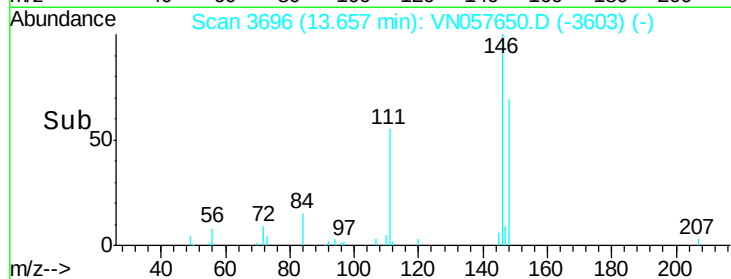
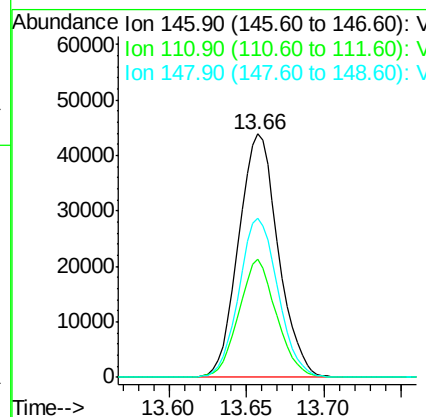
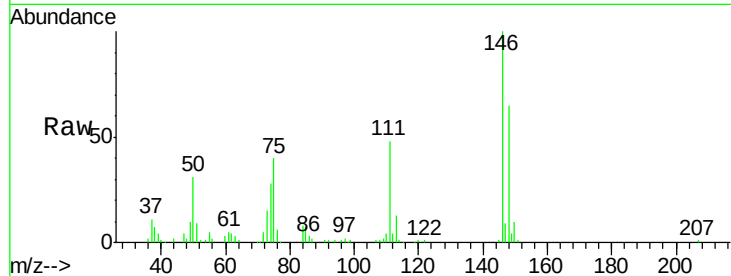
#91
 1,2-Dichlorobenzene
 Concen: 20.149 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.1	66.5
148	64.3	31.6	94.7

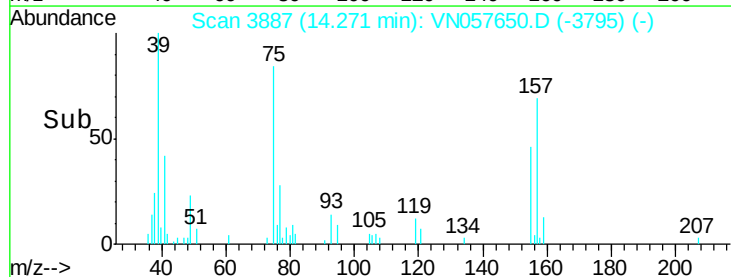
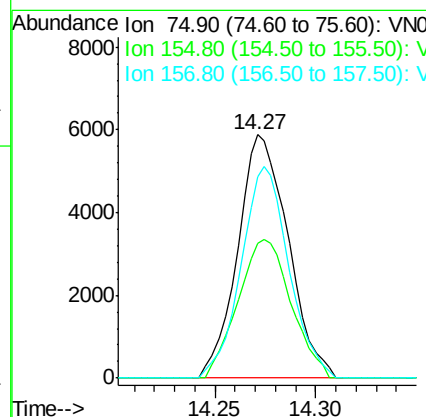
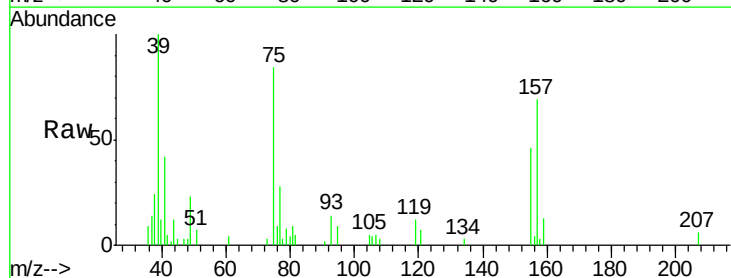
Manual Integrations
 APPROVED

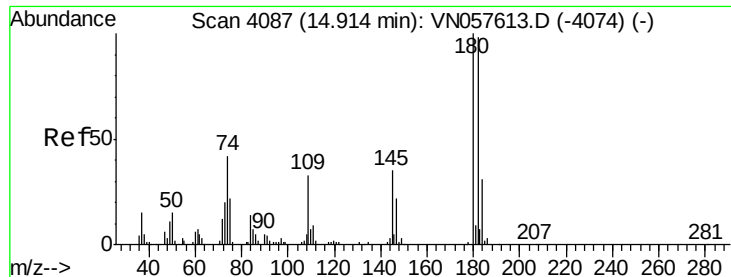
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 9/3/2019 11:03:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.301 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.9	30.1	90.5
157	82.4	41.4	124.4





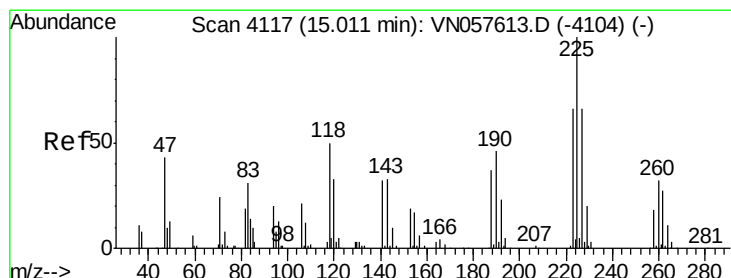
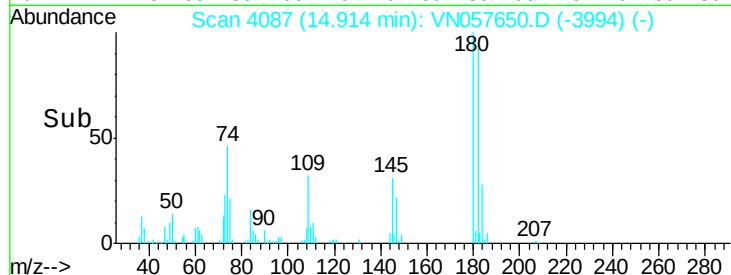
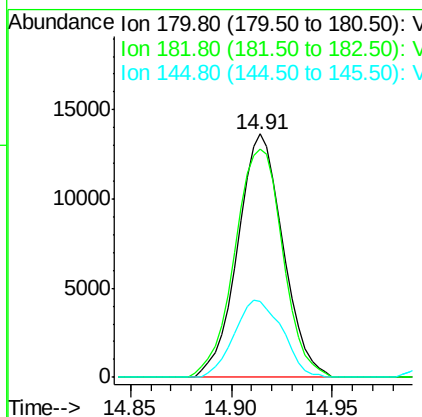
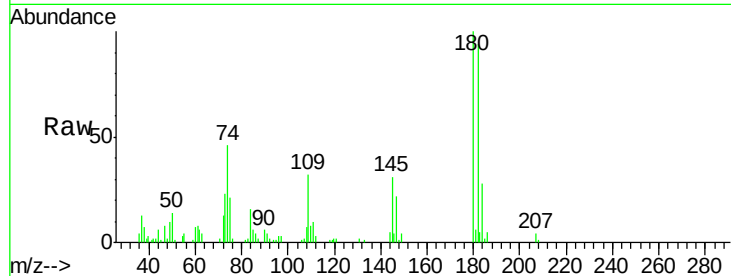
#93
 1,2,4-Trichlorobenzene
 Concen: 18.947 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21488		
182	99.5	47.8	143.3	
145	33.8	16.9	50.7	

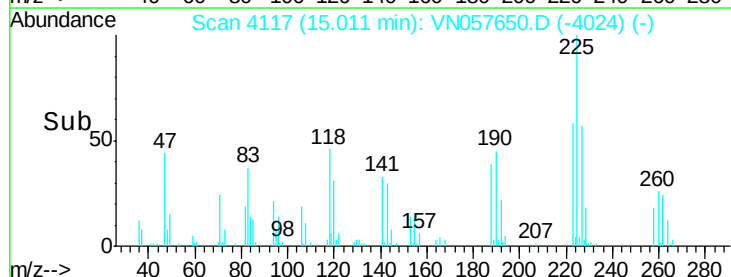
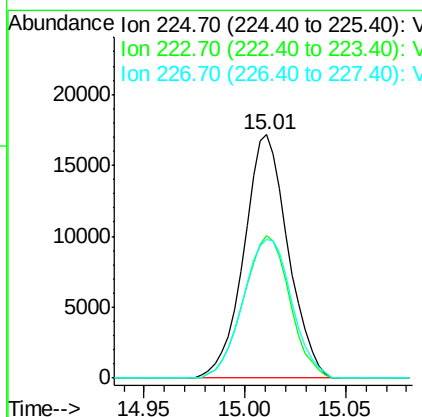
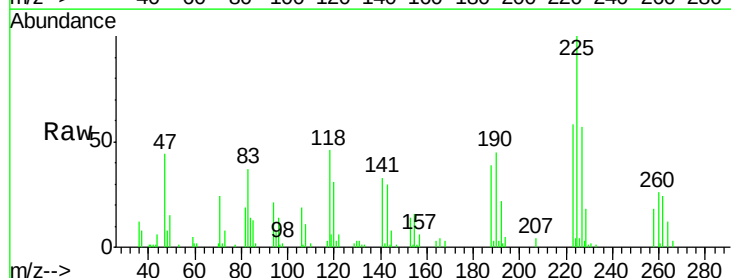
Manual Integrations
 APPROVED

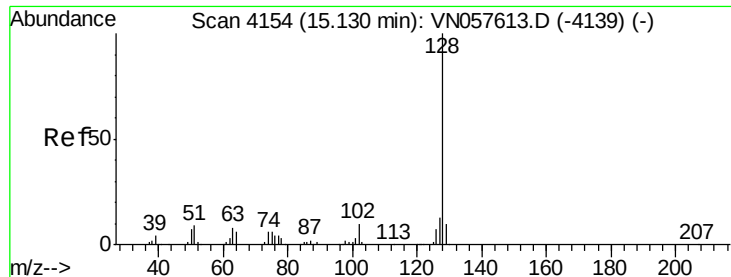
MMDadoda
 9/3/2019 11:03:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.737 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057650.D
 Acq: 1 Sep 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26257		
223	61.2	32.3	96.8	
227	63.0	32.4	97.2	





#95

Naphthalene

Concen: 19.016 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Instrument :

MSVOA_N

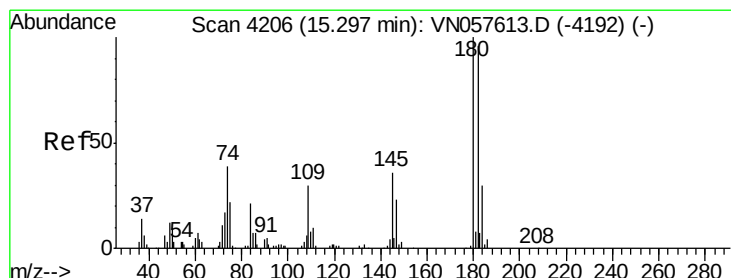
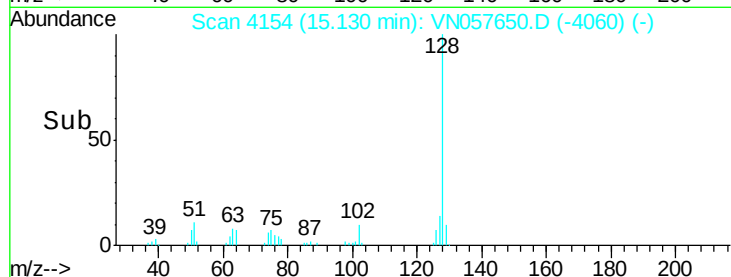
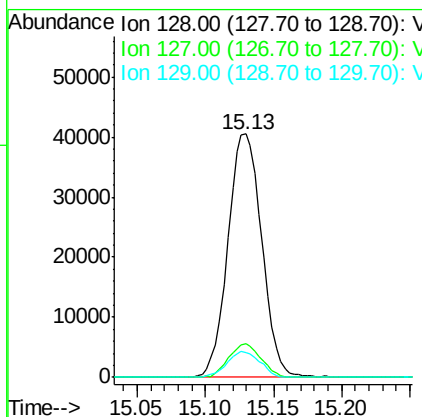
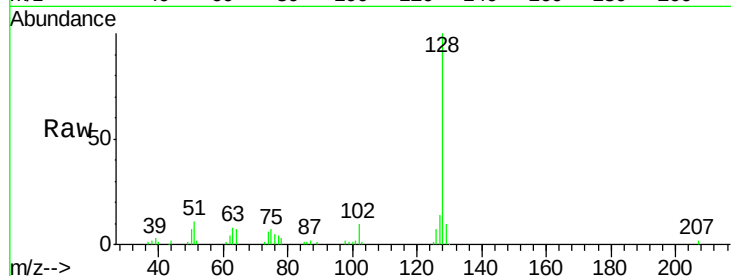
ClientSampled :

VN0902WBSD01

Tot Ion:	128	Resp:	69878
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:03:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.997 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057650.D

Acq: 1 Sep 2019 17:44

Tgt Ion:	180	Resp:	22386
Ion Ratio	Lower	Upper	
180	100		
182	90.9	46.3	138.9
145	34.7	17.8	53.3

