

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064514.D
 Acq On : 9 Nov 2020 18:22
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:54 PM

Quant Time: Nov 10 03:59:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	60287	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	323161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	301243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	169428	31.75	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.83%
60) 4-Bromofluorobenzene	12.38	95	153990	29.84	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.47%
63) Toluene-d8	10.06	98	426469	30.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	82356	20.397	ug/l 98
3) Chloromethane	2.04	50	97456	21.153	ug/l 98
4) Vinyl Chloride	2.17	62	101760	20.385	ug/l 98
5) Bromomethane	2.54	94	62554	19.147	ug/l 94
6) Chloroethane	2.68	64	65875	21.132	ug/l 99
7) Trichlorofluoromethane	2.99	101	157257	21.755	ug/l 95
8) Diethyl Ether	3.38	74	52620	20.383	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	70512	20.726	ug/l # 49
10) 1,1-Dichloroethene	3.70	96	65856	20.235	ug/l 99
11) Methyl Iodide	3.91	142	79391	19.787	ug/l 95
12) Methyl Acetate	4.28	43	76902	19.381	ug/l 96
13) Acrolein	3.57	56	55444	138.171	ug/l 96
14) Acrylonitrile	4.94	53	164349	93.127	ug/l 98
15) Acetone	3.78	58	47298	81.210	ug/l 95
16) Carbon Disulfide	4.01	76	197885	20.036	ug/l 99
17) Allyl chloride	4.28	41	123294	20.163	ug/l 94
18) Methylene Chloride	4.51	84	78724	20.371	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	71569	19.403	ug/l 99
20) Diisopropyl ether	5.91	45	265854	19.968	ug/l 93
21) 1,1-Dichloroethane	5.80	63	151222	20.654	ug/l 98
22) cis-1,2-Dichloroethene	6.79	96	83963	20.085	ug/l 96
23) tert-Butyl Alcohol	4.76	59	51207	84.741	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	225686	19.605	ug/l # 71
25) Chloroform	7.33	83	157744	20.502	ug/l 100
26) Cyclohexane	7.61	56	110273	19.508	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	114377	20.395	ug/l 97
30) 2-Butanone	6.80	43	237026	85.381	ug/l # 82
31) 2,2-Dichloropropane	6.79	77	130484	19.588	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	141663	20.594	ug/l 99
33) Carbon Tetrachloride	7.73	117	127230	20.711	ug/l 96
34) Benzene	8.00	78	325742	20.060	ug/l 98
35) Methacrylonitrile	7.13	41	43444	16.728	ug/l 94
36) 1,2-Dichloroethane	8.09	62	135368	20.314	ug/l 100
37) Trichloroethene	8.80	130	82858	20.181	ug/l 98
38) Methylcyclohexane	9.05	83	97124	19.147	ug/l 99
39) 1,2-Dichloropropane	9.08	63	89616	20.539	ug/l 98
40) Dibromomethane	9.17	93	59799	20.316	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	128348	20.119	ug/l	98
42) Vinyl Acetate	5.85	43	1068079	96.104	ug/l	99
43) Ethyl Acetate	6.89	43	92285	17.084	ug/l	97
44) Isopropyl Acetate	8.13	43	176110	18.887	ug/l	99
45) 1,4-Dioxane	9.17	88	20992	321.143	ug/l	96
46) Methyl methacrylate	9.17	41	88936	19.178	ug/l	98
47) n-amyl Acetate	12.05	43	140289	17.392	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	132428	19.589	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	140652	19.801	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	80956	20.061	ug/l	97
51) Ethyl methacrylate	10.40	69	105402	18.227	ug/l	97
52) 1,3-Dichloropropane	10.68	76	137800	19.877	ug/l	99
53) Dibromochloromethane	10.87	129	90609	19.606	ug/l	97
54) 1,2-Dibromoethane	10.98	107	81302	19.697	ug/l	99
55) 2-Chloroethyl vinyl ether	9.67	63	253659	83.819	ug/l	99
56) Bromoform	12.10	173	57879	19.084	ug/l #	98
58) 4-Methyl-2-Pentanone	9.96	43	518400	93.709	ug/l	99
59) 2-Hexanone	10.72	43	365049	87.612	ug/l	100
61) Tetrachloroethene	10.60	164	78009	20.717	ug/l	98
62) Toluene	10.13	91	356598	20.157	ug/l	99
64) Chlorobenzene	11.41	112	212235	20.182	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	83947	20.420	ug/l	99
66) Ethyl Benzene	11.49	91	379453	19.874	ug/l	99
67) m/p-Xylenes	11.60	106	274128	38.900	ug/l	95
68) o-Xylene	11.92	106	130076	19.505	ug/l	93
69) Styrene	11.94	104	223918	19.606	ug/l	100
70) Isopropylbenzene	12.23	105	347174	19.889	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	109075	19.513	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	100961m	18.110	ug/l	
73) Bromobenzene	12.50	156	84303	19.524	ug/l	99
74) n-propylbenzene	12.57	91	409508	19.945	ug/l	100
75) 2-Chlorotoluene	12.65	91	258987	20.062	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	289837	19.670	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	34007	16.731	ug/l	87
78) 4-Chlorotoluene	12.75	91	263991	19.462	ug/l	99
79) tert-butylbenzene	12.97	119	230330	19.918	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	292676	19.710	ug/l	99
81) sec-Butylbenzene	13.15	105	295182	19.257	ug/l	100
82) p-Isopropyltoluene	13.26	119	267443	19.530	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	146867	19.334	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	141525	18.732	ug/l	99
85) n-Butylbenzene	13.59	91	221907	18.691	ug/l	100
86) Hexachloroethane	13.85	117	52861	19.371	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	146534	19.806	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20842	17.258	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	57798	17.206	ug/l	98
90) Hexachlorobutadiene	14.98	225	33597	20.081	ug/l	96
91) Naphthalene	15.10	128	173558	15.618	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	60257	17.725	ug/l	100

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QLast Update : Mon Nov 09 13:16:36 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

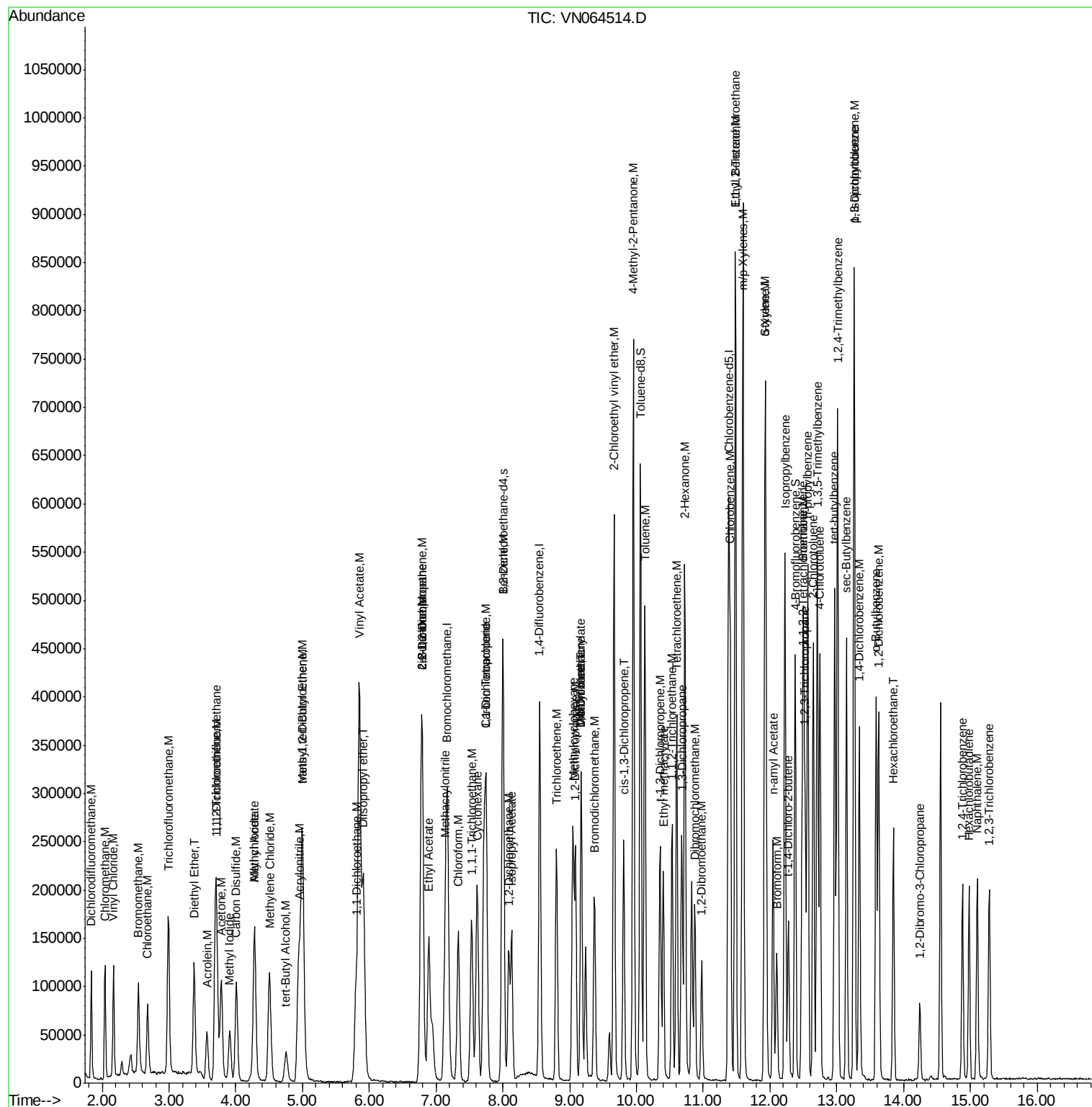
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
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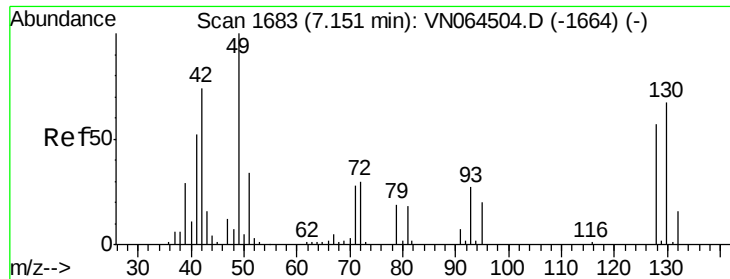
Instrument :
MSVOA_N
Client Sample Id :
VN1109WBSD01

Manual Integrations
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11/10/2020 1:10:54 PM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:128 Resp: 60287

Ion Ratio Lower Upper

128 100

49 190.6 0.0 475.5

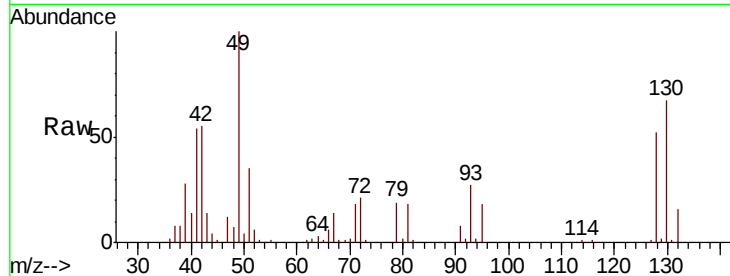
130 129.1 0.0 315.3

Manual Integrations

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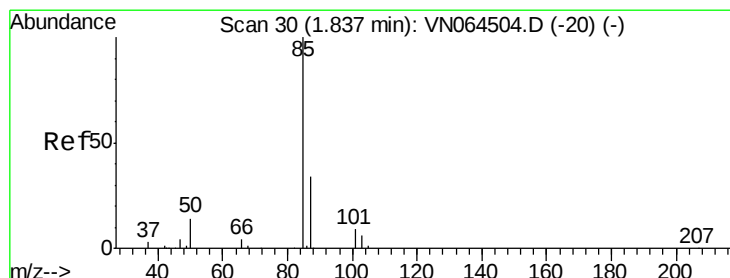
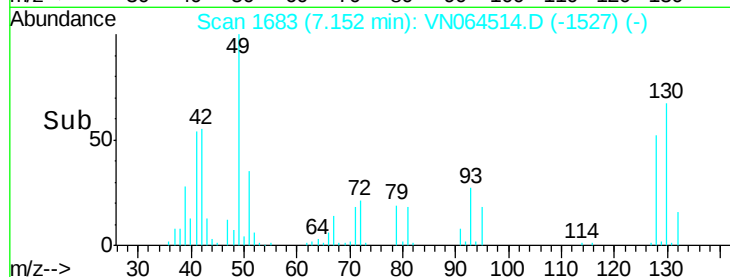
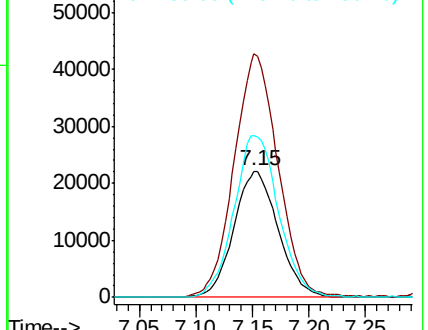
11/10/2020 1:10:54 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.397 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064514.D

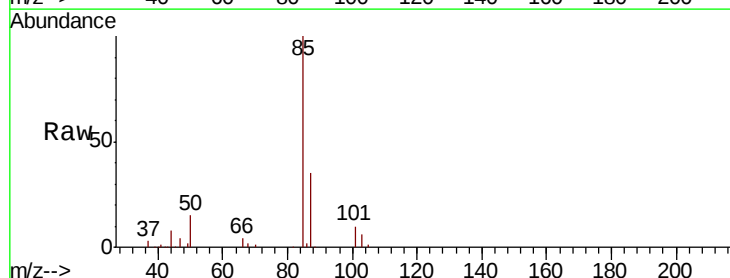
Acq: 9 Nov 2020 18:22

Tgt Ion: 85 Resp: 82356

Ion Ratio Lower Upper

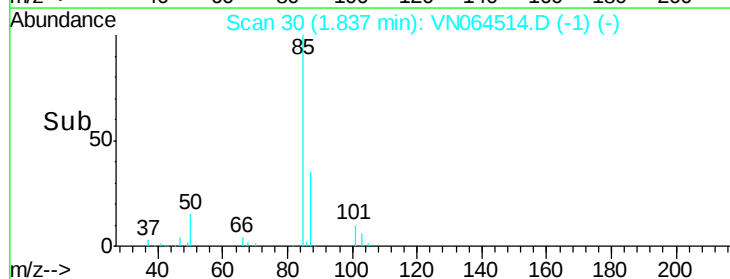
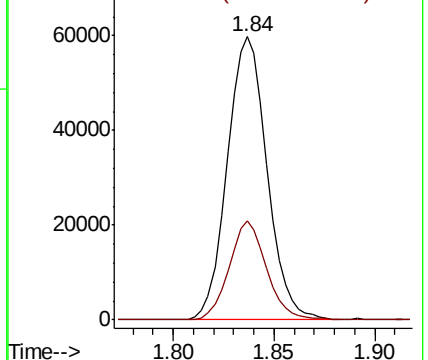
85 100

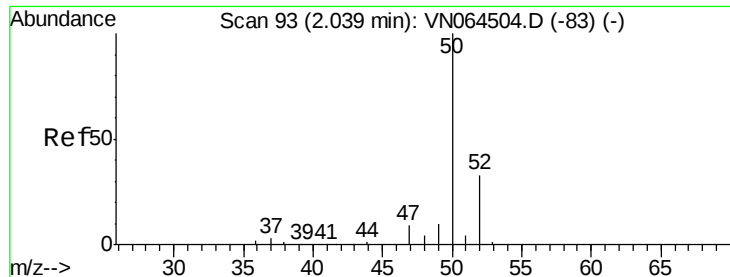
87 34.8 17.0 50.9



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.153 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 50 Resp: 97456

Ion Ratio Lower Upper

50 100

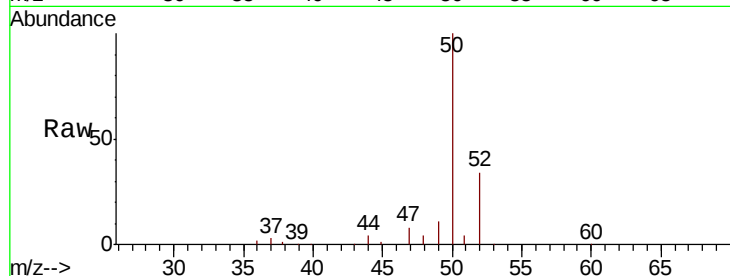
52 33.8 26.0 39.0

Manual Integrations

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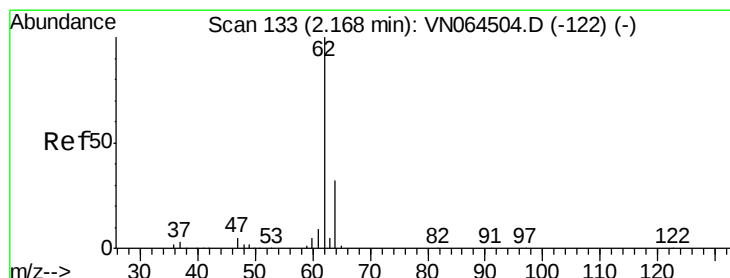
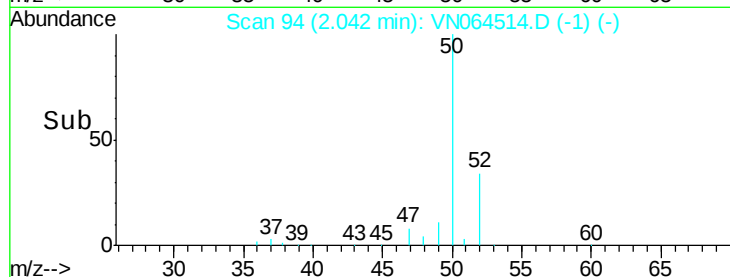
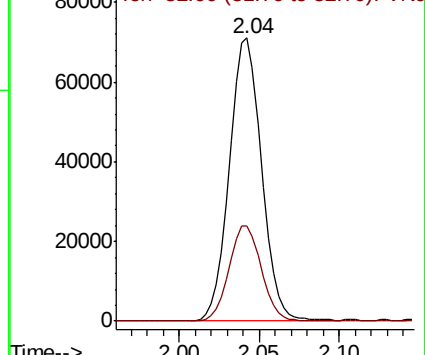
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.385 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064514.D

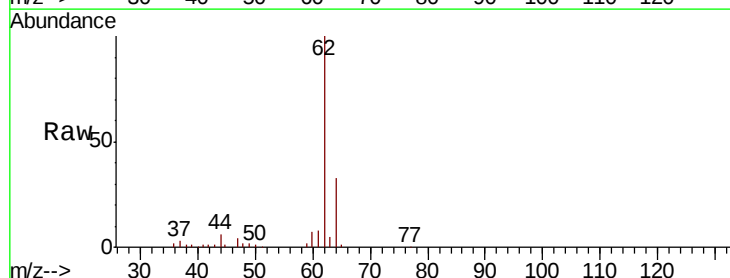
Acq: 9 Nov 2020 18:22

Tgt Ion: 62 Resp: 101760

Ion Ratio Lower Upper

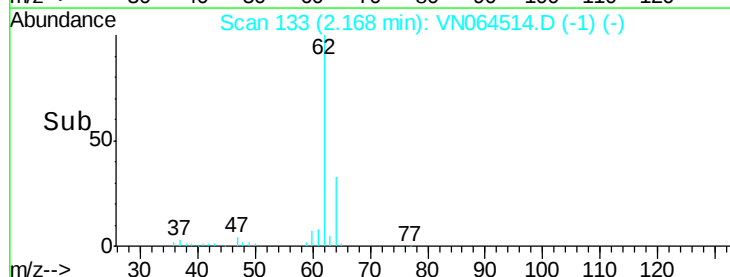
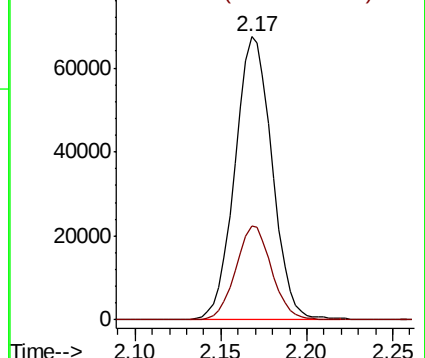
62 100

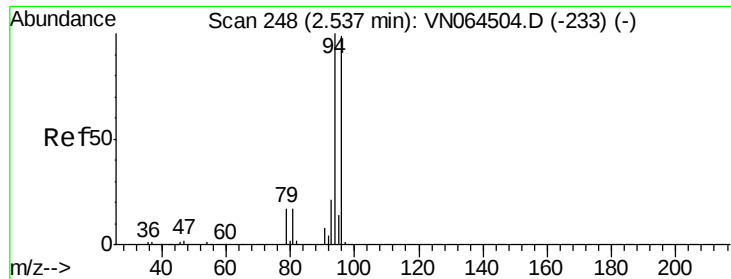
64 33.2 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.147 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 94 Resp: 62554

Ion Ratio Lower Upper

94 100

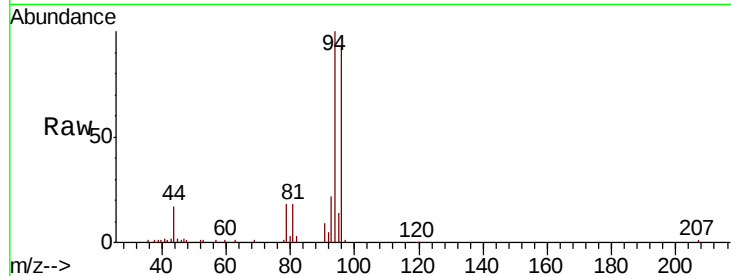
96 93.3 79.3 118.9

Manual Integrations

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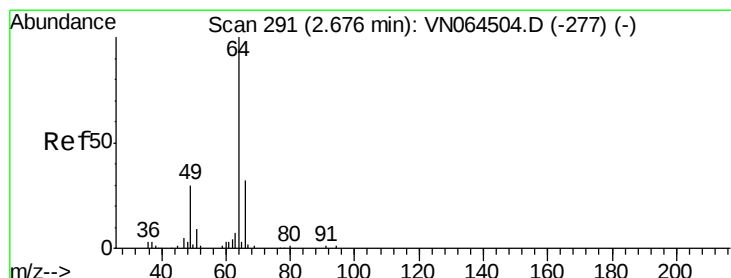
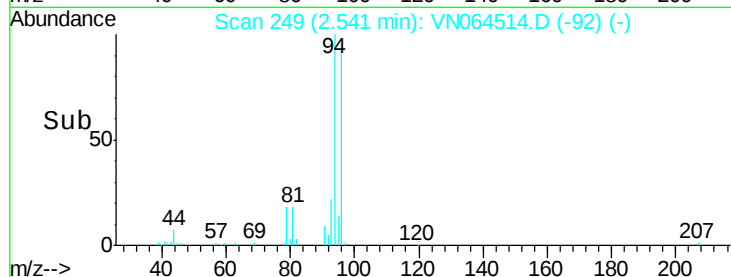
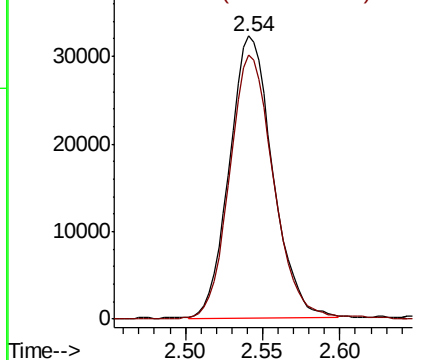
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.132 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064514.D

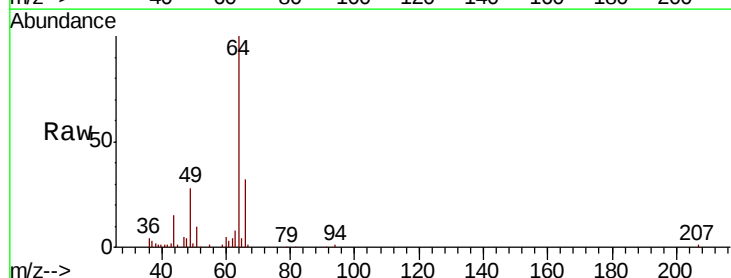
Acq: 9 Nov 2020 18:22

Tgt Ion: 64 Resp: 65875

Ion Ratio Lower Upper

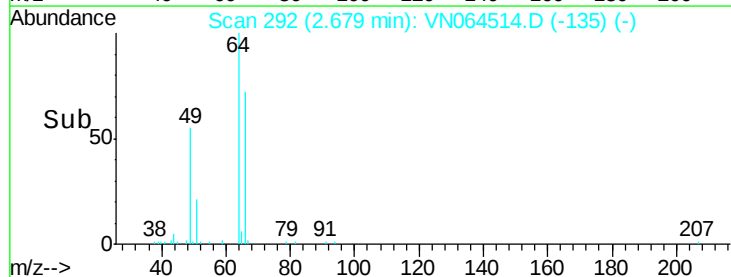
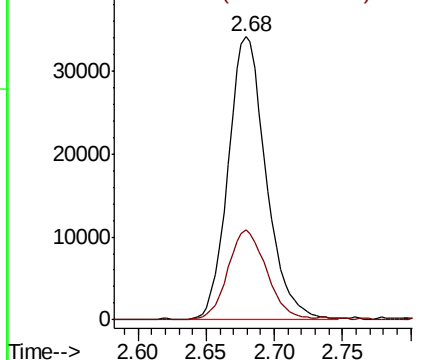
64 100

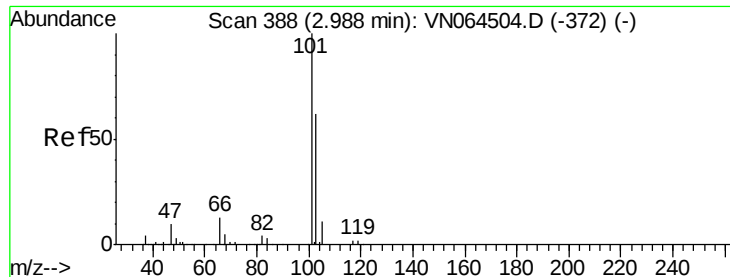
66 32.0 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

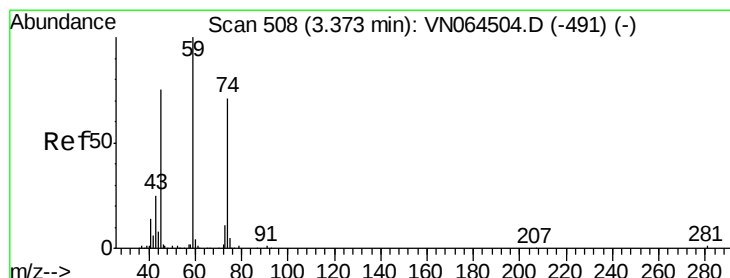
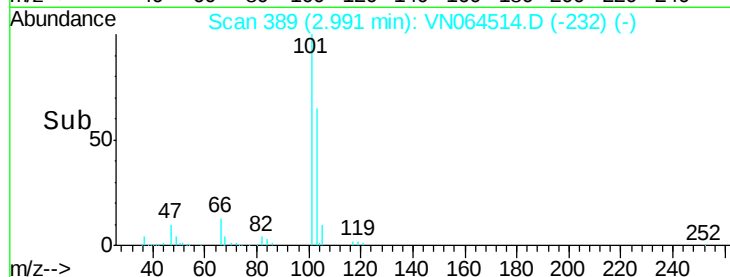
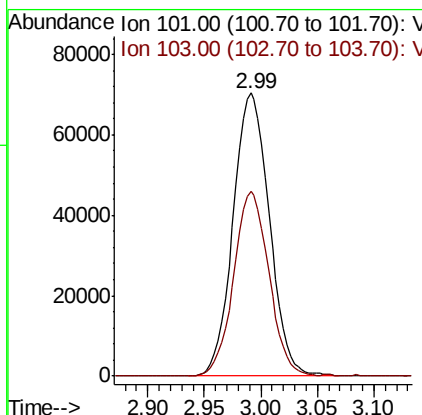
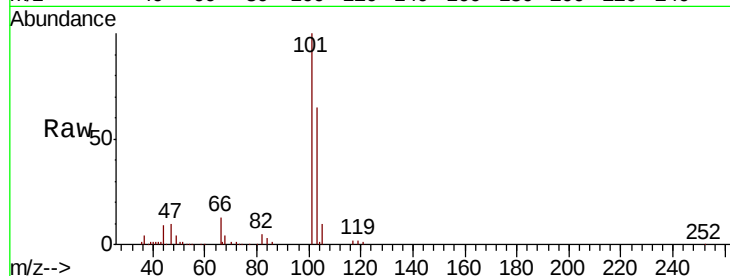
Trichlorofluoromethane
Concen: 21.755 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
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VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	157257		
103	65.4	49.3	73.9	

Manual Integrations
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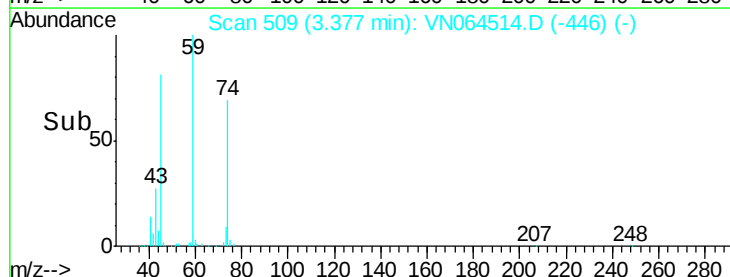
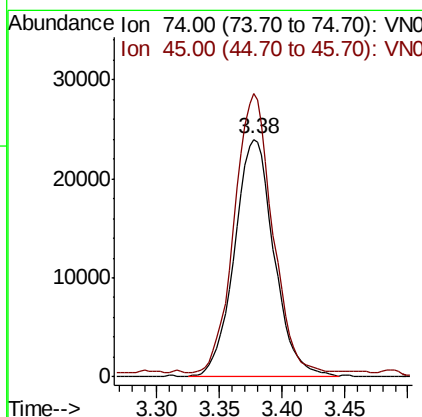
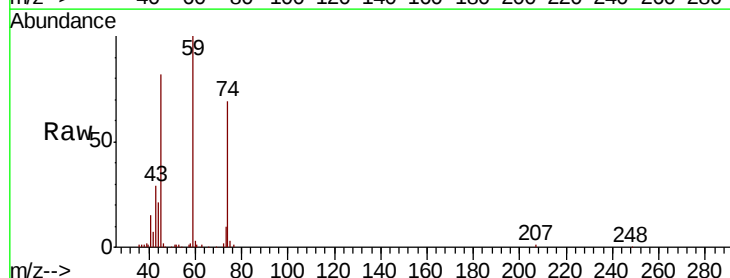
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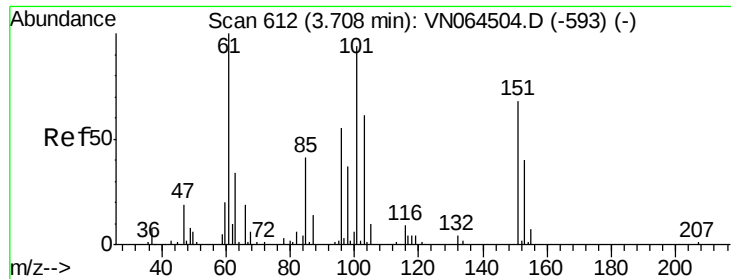


#8

Diethyl Ether
Concen: 20.383 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52620		
45	113.4	22.1	198.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.726 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

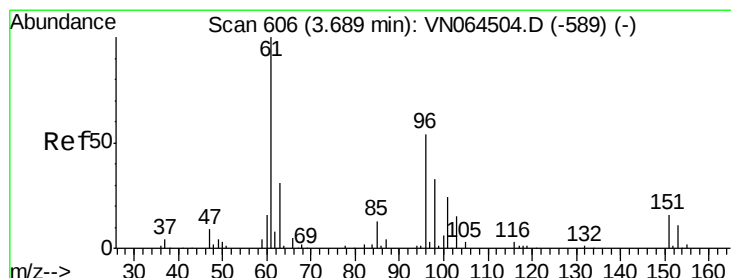
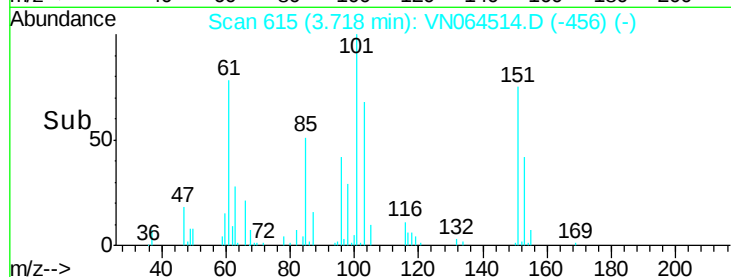
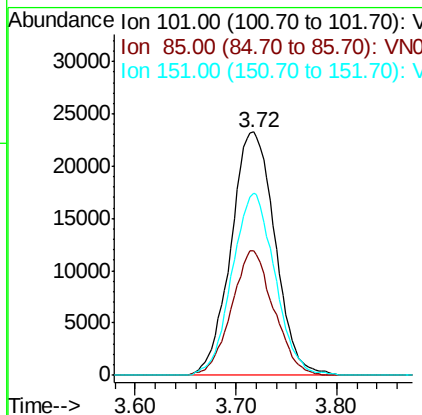
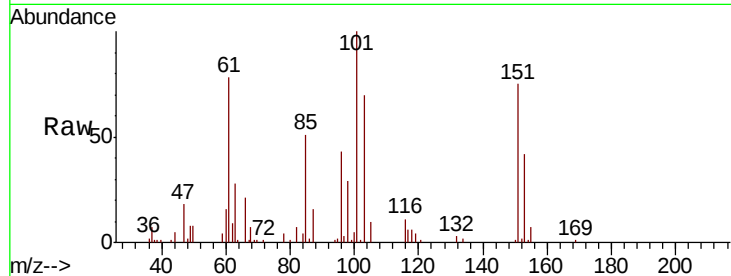
ClientSampleId :

VN1109WBSD01

Tot Ion:	101	Resp:	70512
Ion Ratio	Lower	Upper	
101	100		
85	49.1	0.0	49.0#
151	72.6	0.0	80.2

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#10

1,1-Dichloroethene

Concen: 20.235 ug/l

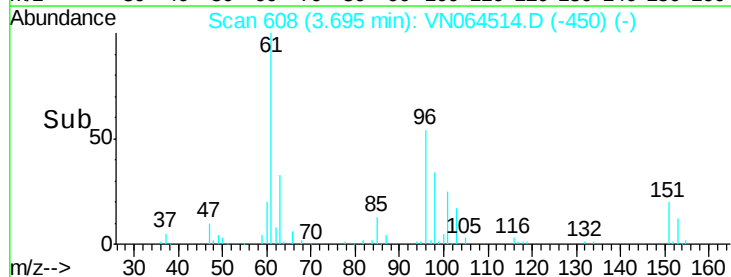
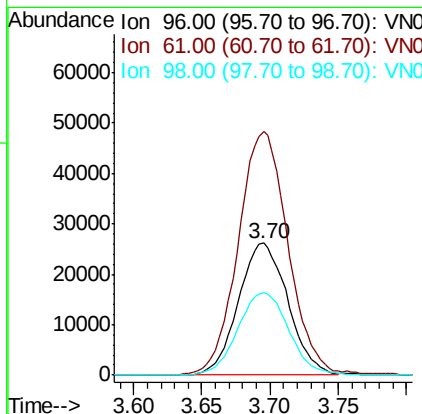
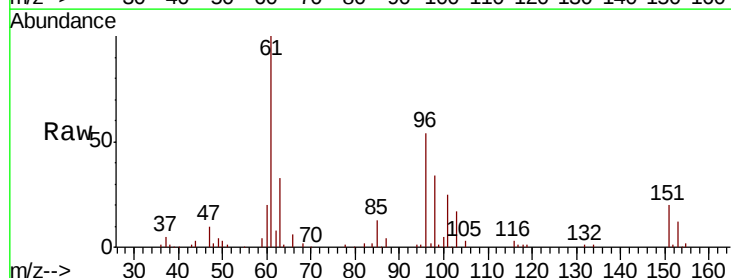
RT: 3.70 min Scan# 608

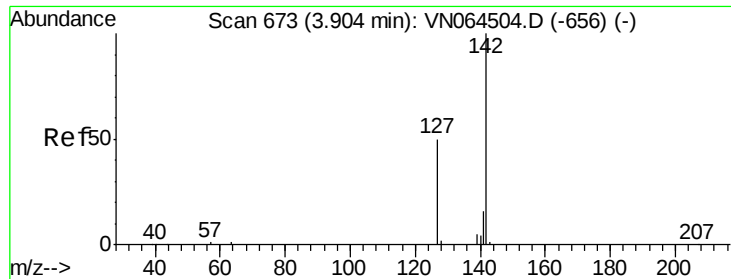
Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion:	96	Resp:	65856
Ion Ratio	Lower	Upper	
96	100		
61	184.3	149.2	223.8
98	62.7	49.6	74.4





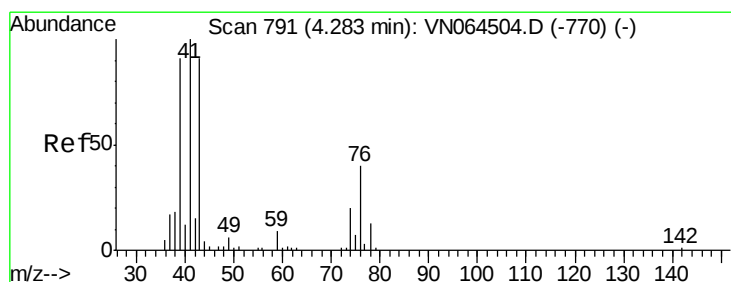
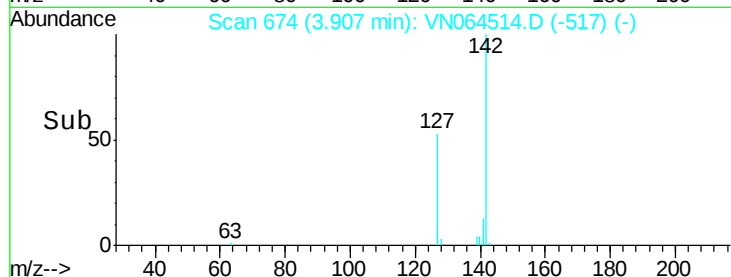
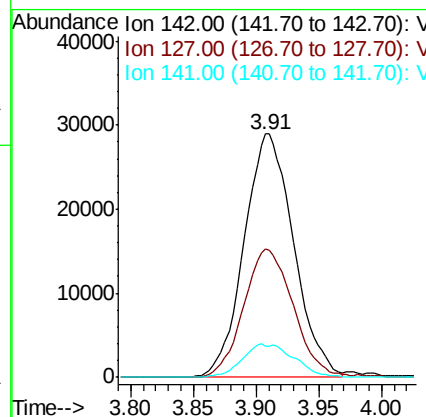
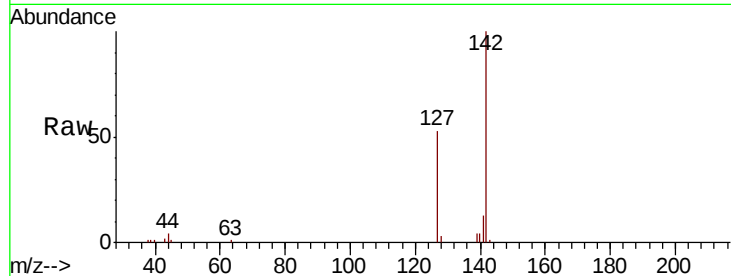
#11
Methyl Iodide
Concen: 19.787 ug/l
RT: 3.91 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.5	24.7	74.1
141	13.1	7.8	23.3

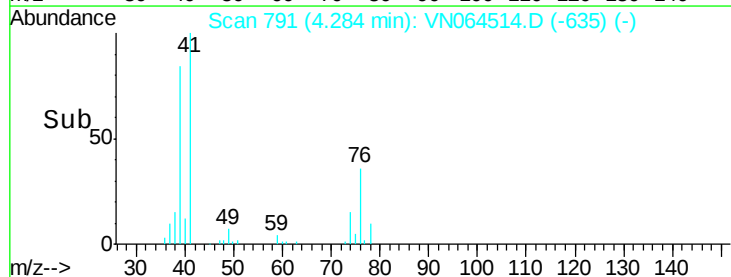
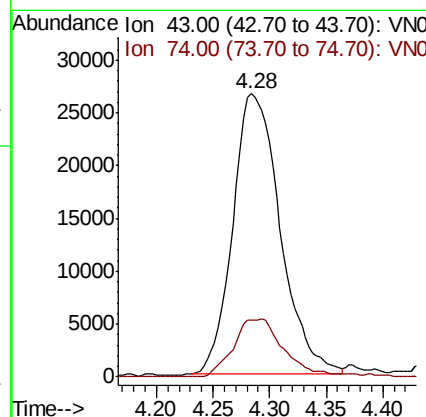
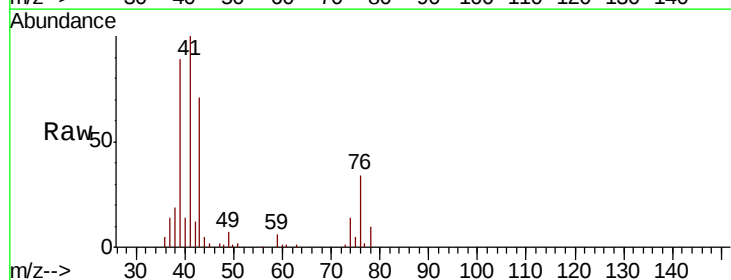
Manual Integrations
APPROVED

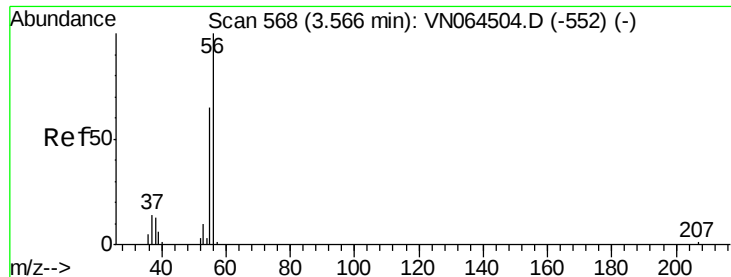
MMDadoda
11/10/2020 1:10:54 PM



#12
Methyl Acetate
Concen: 19.381 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	17.7	26.5





#13

Acrolein

Concen: 138.171 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 56 Resp: 55444

Ion Ratio Lower Upper

56 100

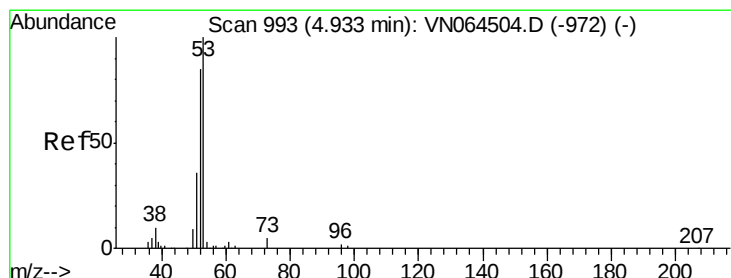
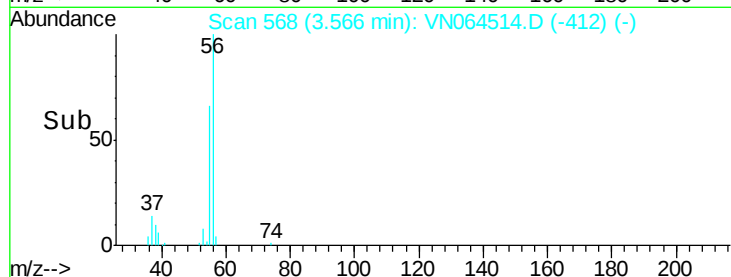
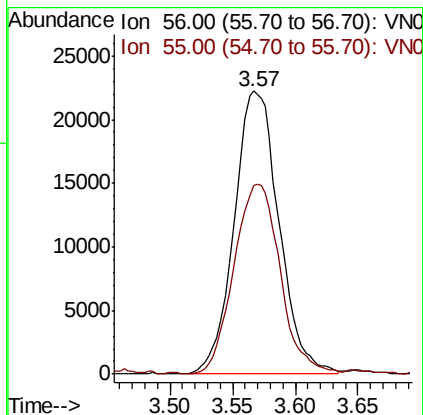
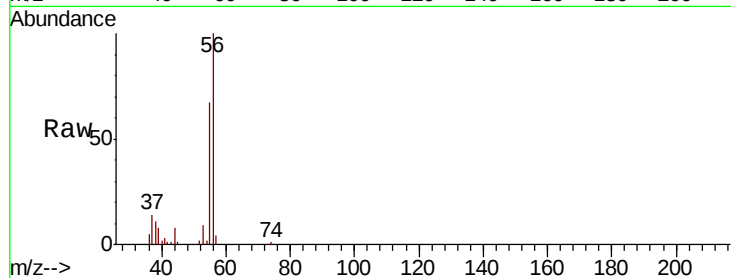
55 69.0 58.2 87.2

Manual Integrations

APPROVED

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11/10/2020 1:10:54 PM



#14

Acrylonitrile

Concen: 93.127 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

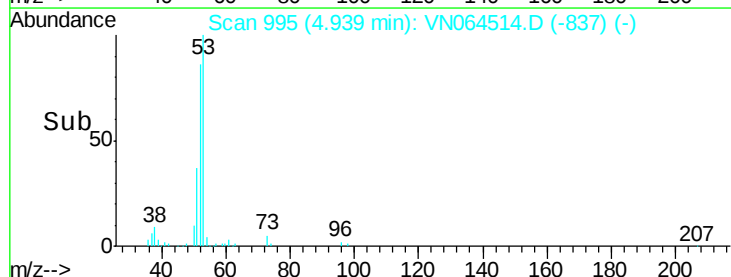
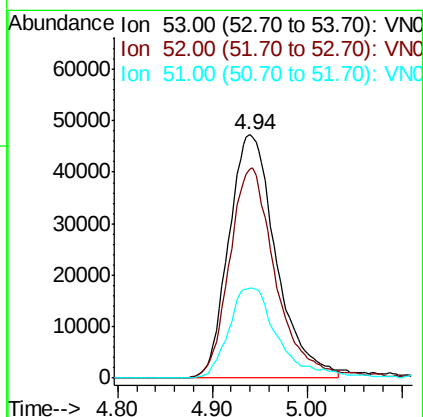
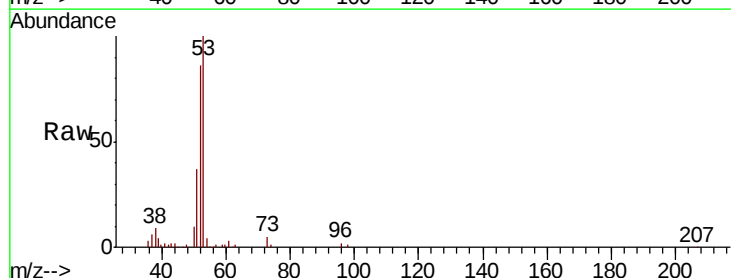
Tgt Ion: 53 Resp: 164349

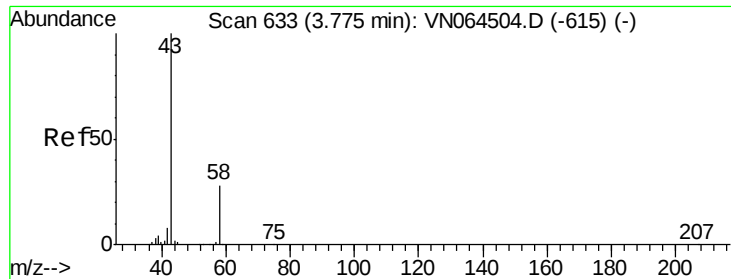
Ion Ratio Lower Upper

53 100

52 83.4 41.3 124.1

51 35.8 18.9 56.5





#15

Acetone

Concen: 81.210 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 58 Resp: 47298

Ion Ratio Lower Upper

58 100

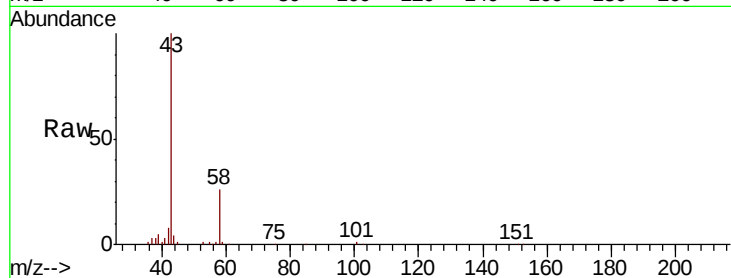
43 374.5 289.8 434.8

Manual Integrations

APPROVED

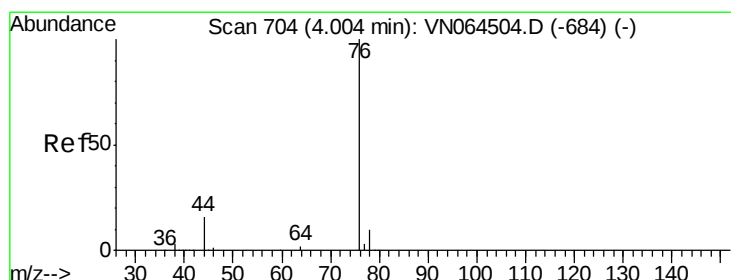
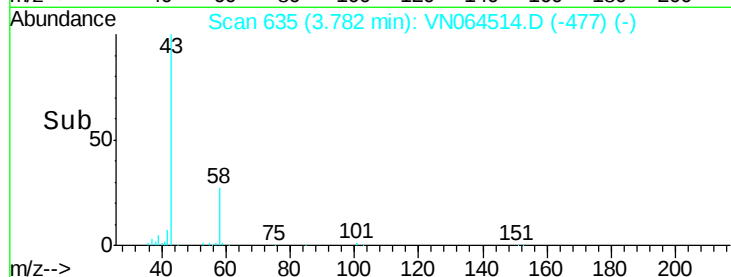
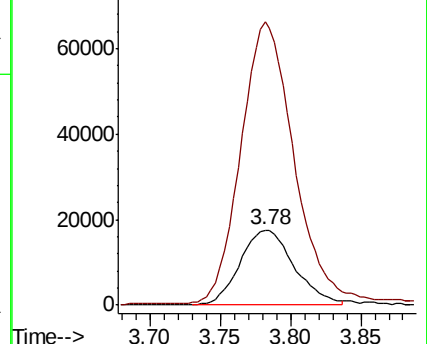
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.036 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064514.D

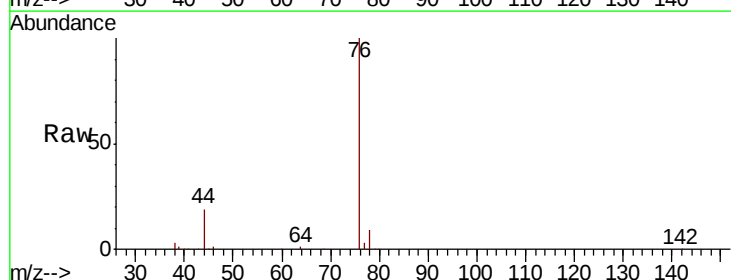
Acq: 9 Nov 2020 18:22

Tgt Ion: 76 Resp: 197885

Ion Ratio Lower Upper

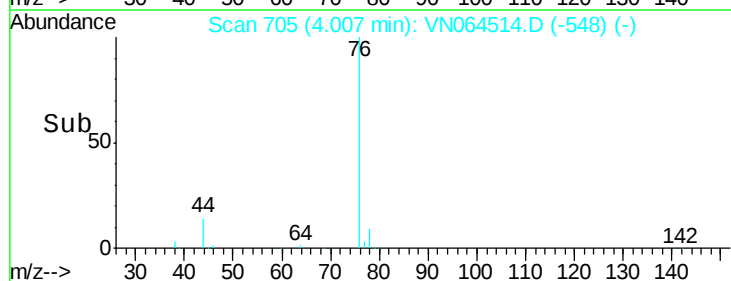
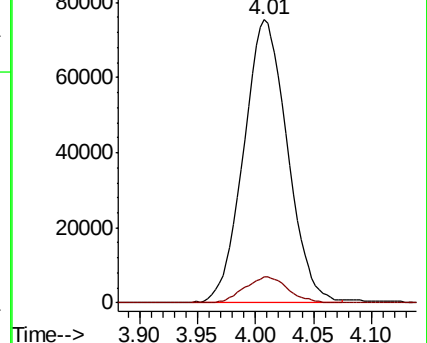
76 100

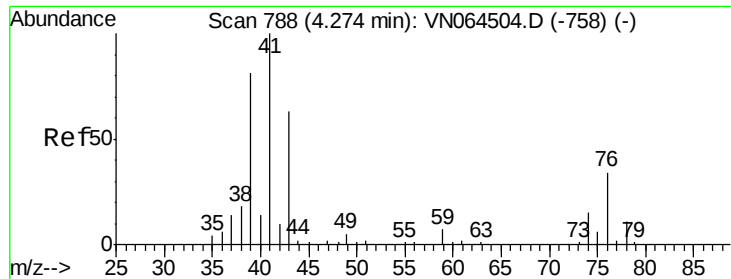
78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





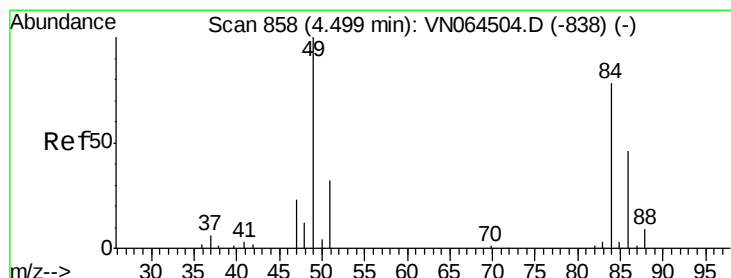
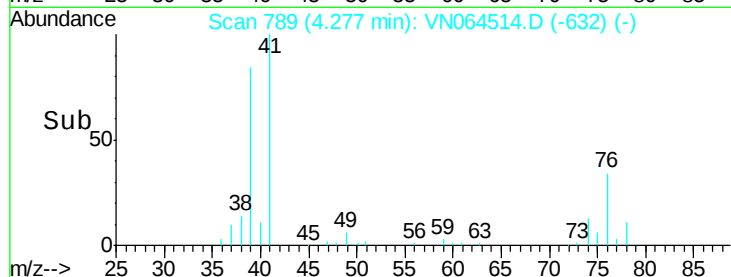
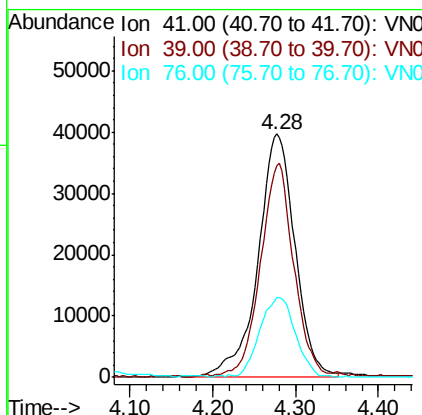
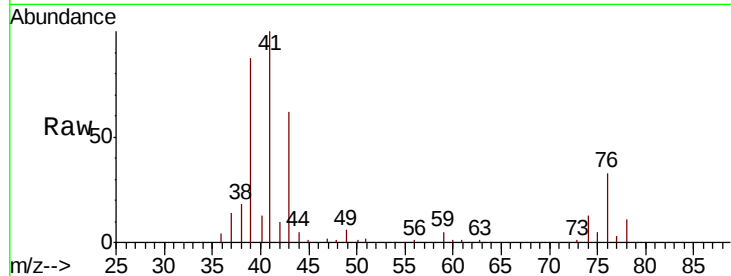
#17
Allvl chloride
Concen: 20.163 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:	41	Resp:	123294
Ion Ratio	Lower	Upper	
41	100		
39	87.1	40.3	120.8
76	32.6	16.8	50.3

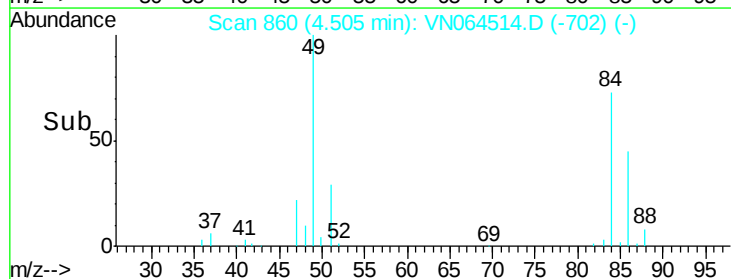
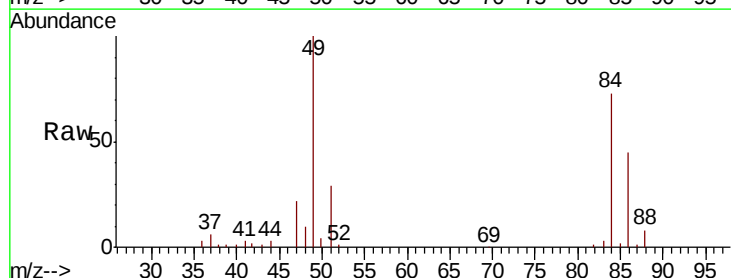
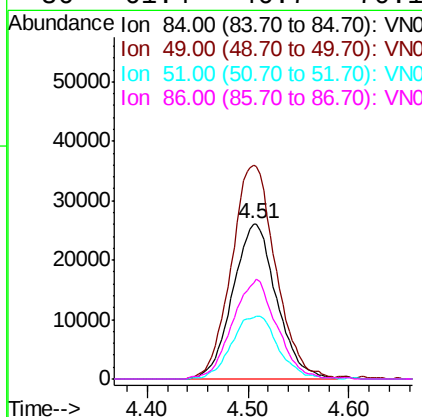
Manual Integrations
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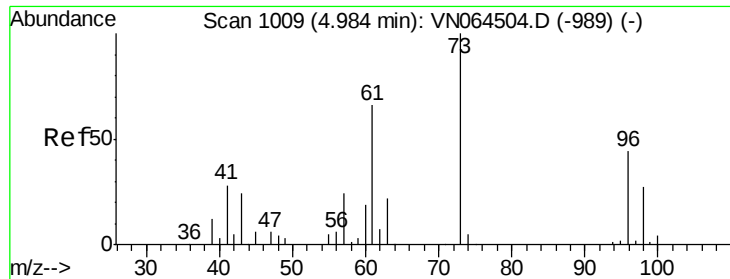
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#18
Methylene Chloride
Concen: 20.371 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion:	84	Resp:	78724
Ion Ratio	Lower	Upper	
84	100		
49	137.1	102.1	153.1
51	39.3	32.6	48.8
86	61.4	46.7	70.1





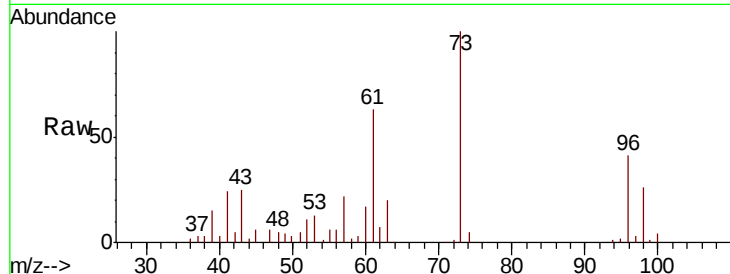
#19
trans-1,2-Dichloroethene
Concen: 19.403 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	151.0	120.1	180.1	
98	63.9	49.1	73.7	

Manual Integrations
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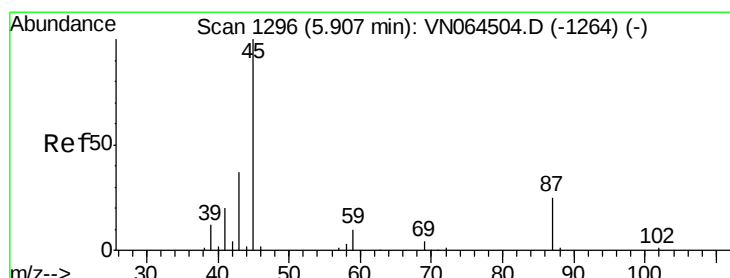
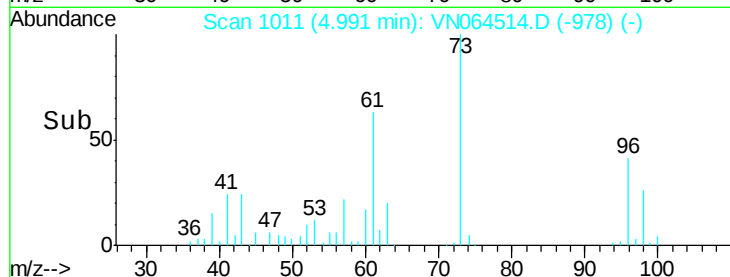
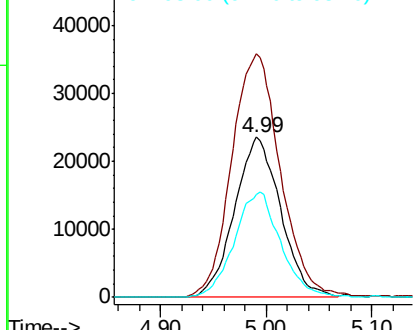


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.968 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	72.8	53.1	79.7	
87	23.6	21.0	31.6	
59	10.7	8.2	12.4	

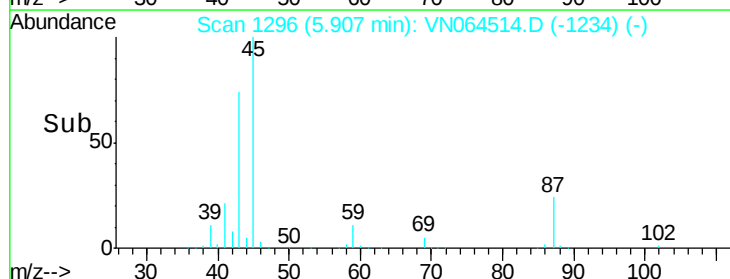
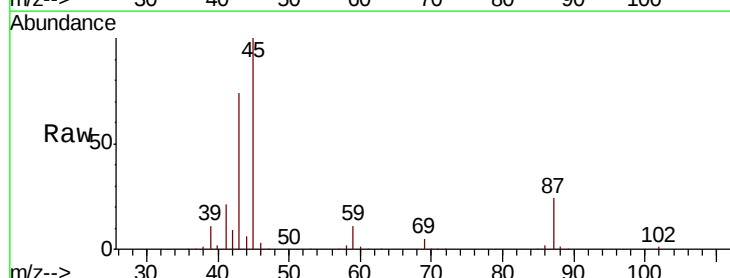
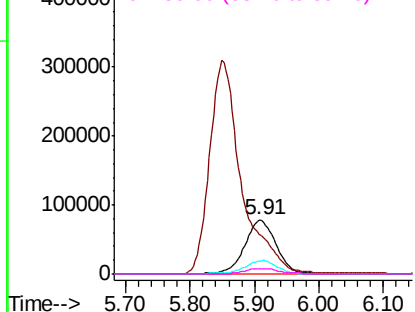
Abundance

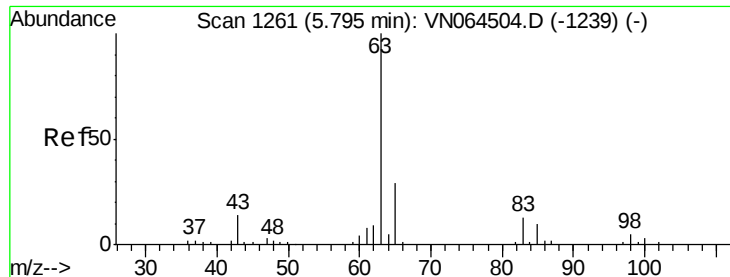
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





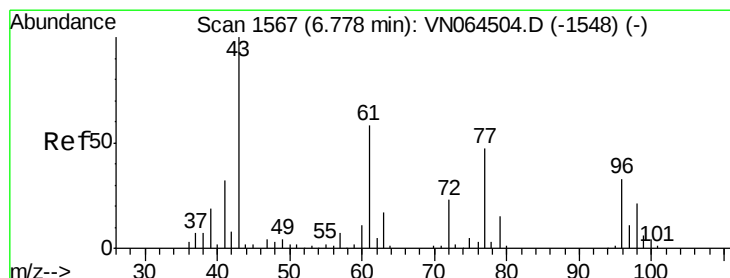
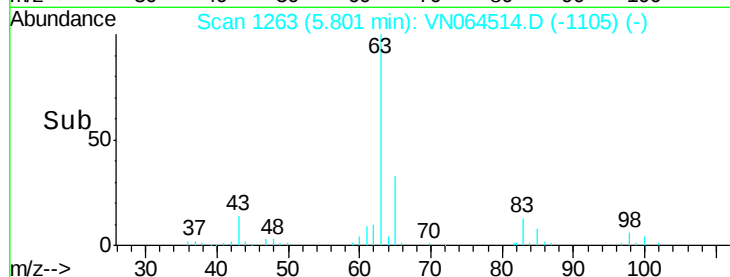
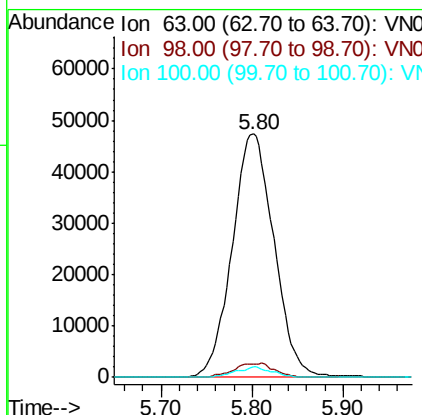
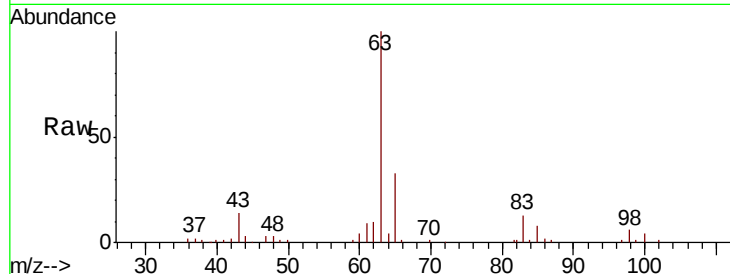
#21
 1,1-Dichloroethane
 Concen: 20.654 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.6	8.0
100	4.3	1.7	5.1

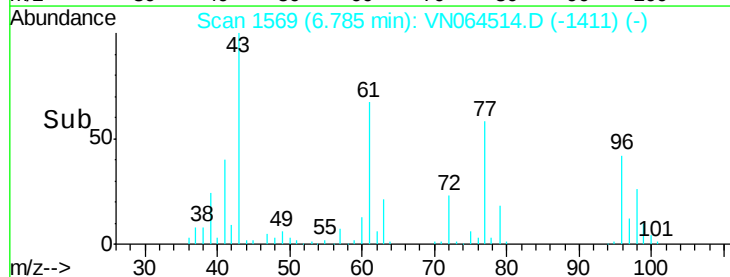
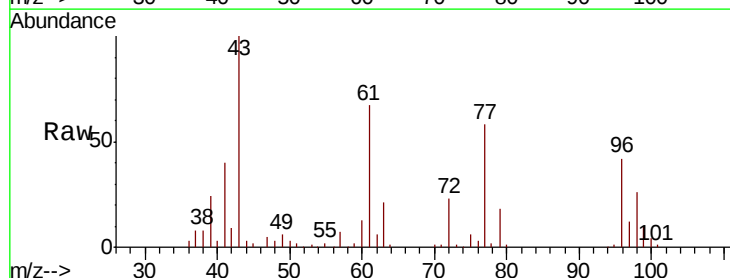
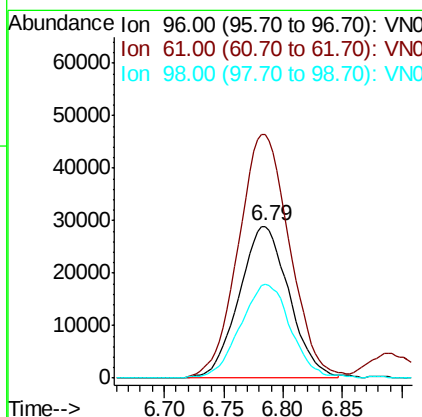
Manual Integrations
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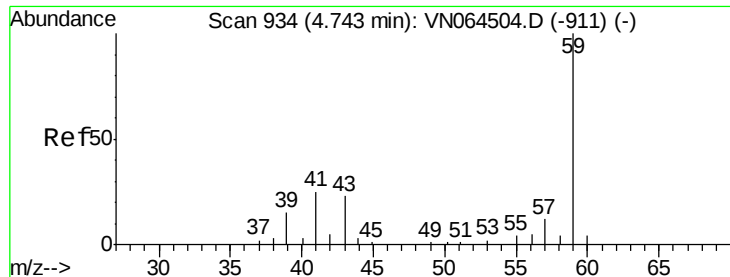
MMDadoda
 11/10/2020 1:10:54 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.085 ug/l
 RT: 6.79 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	136.1	204.1
98	62.0	51.8	77.8





#23

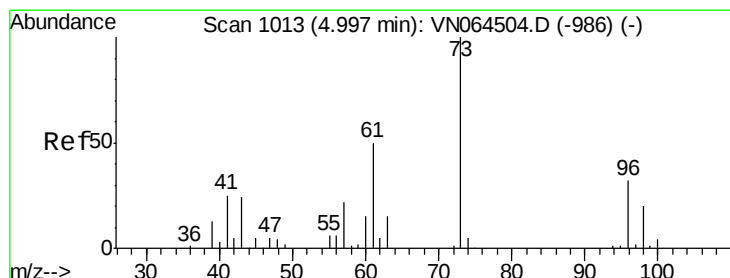
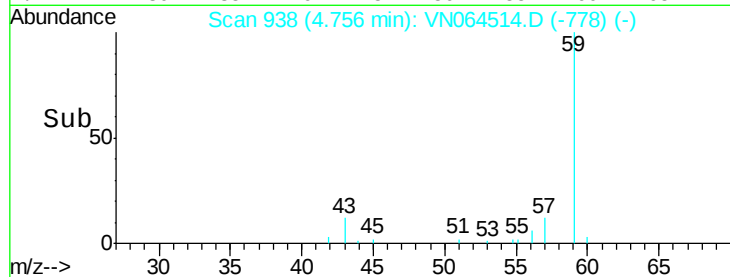
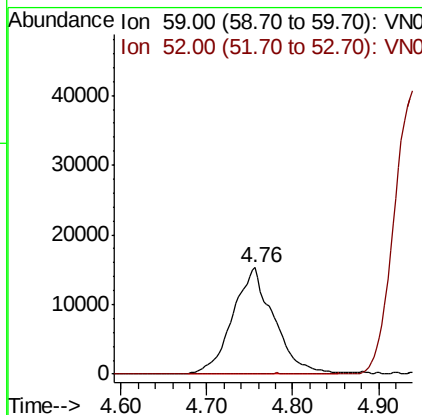
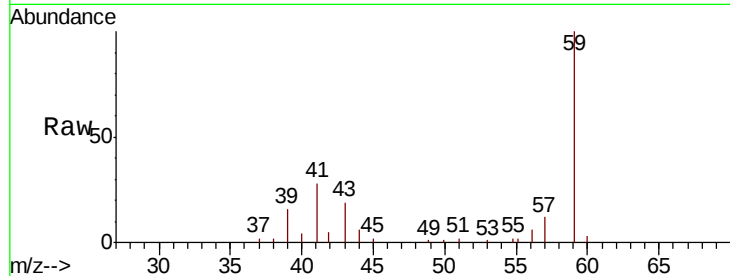
tert-Butyl Alcohol
 Concen: 84.741 ug/l
 RT: 4.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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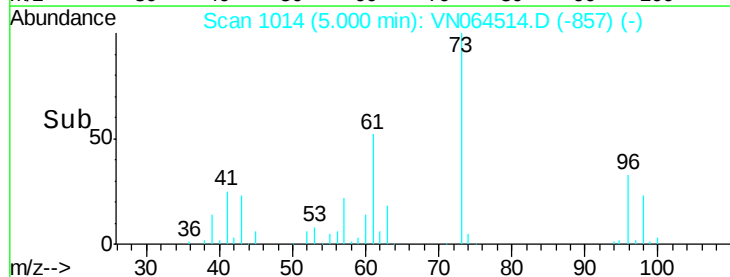
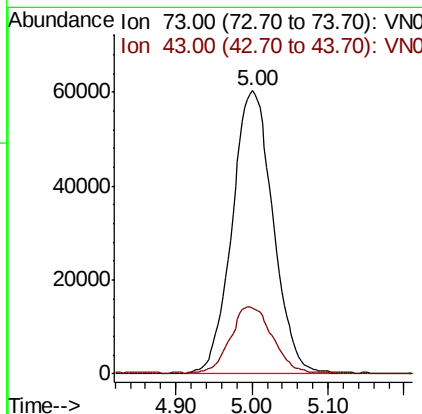
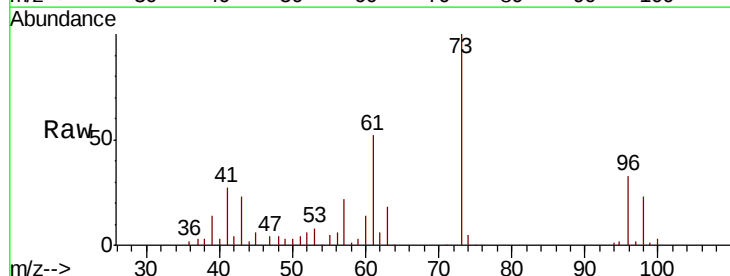
MMDadoda
 11/10/2020 1:10:54 PM

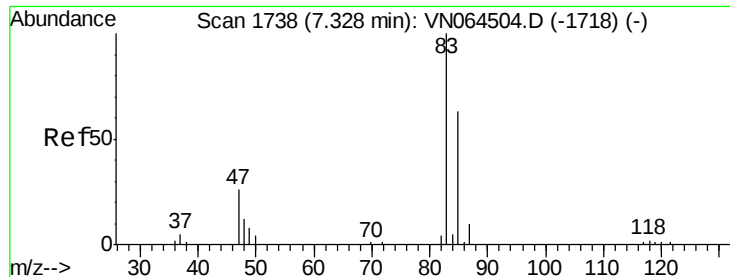


#24

Methyl tert-Butyl Ether
 Concen: 19.605 ug/l
 RT: 5.00 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.1	10.2	15.2#





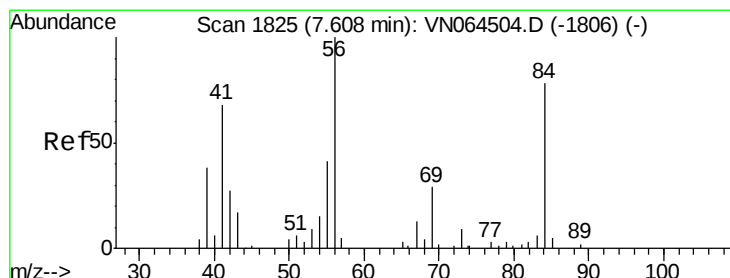
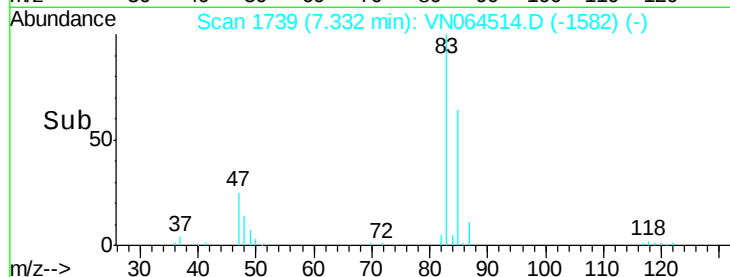
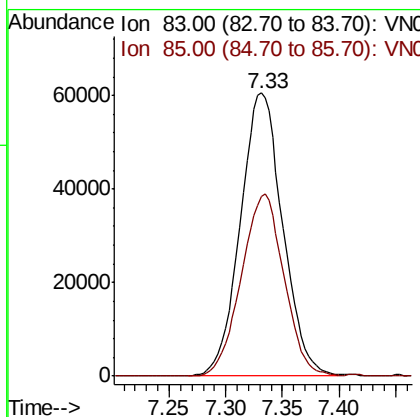
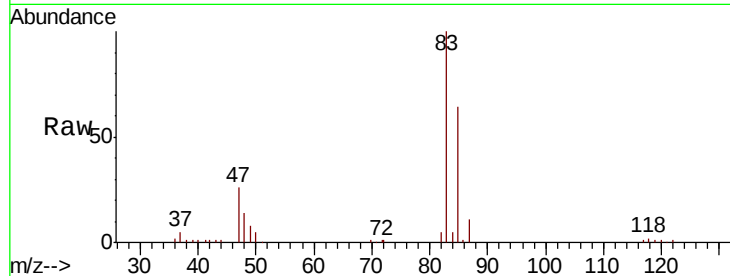
#25
Chloroform
Concen: 20.502 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 83 Resp: 157744
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8

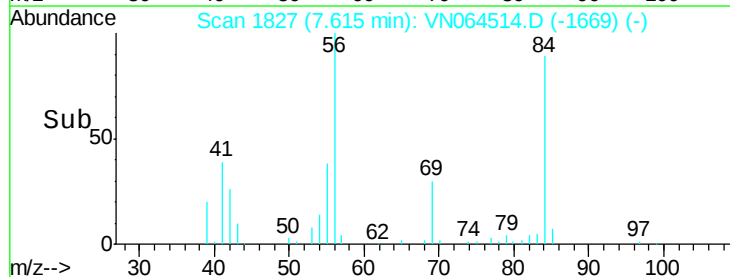
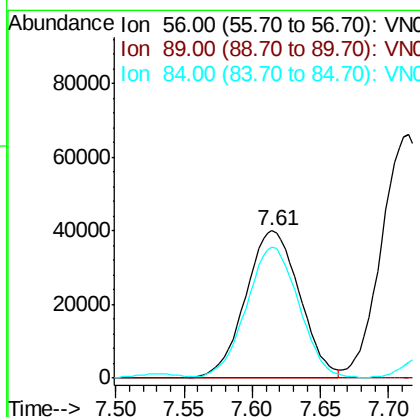
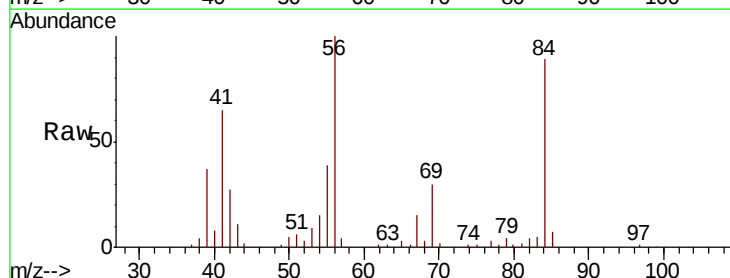
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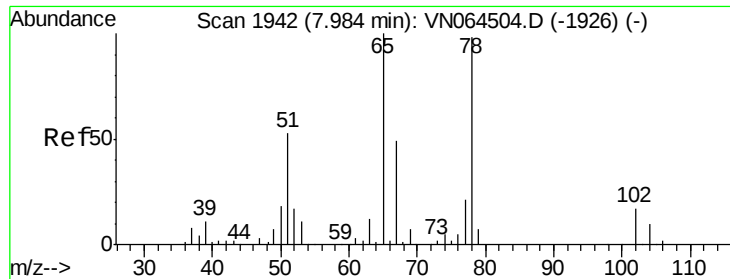
MMDadoda
11/10/2020 1:10:54 PM



#26
Cyclohexane
Concen: 19.508 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion: 56 Resp: 110273
Ion Ratio Lower Upper
56 100
89 0.0 0.6 0.8#
84 86.8 66.1 99.1





#27

1,2-Dichloroethane-d4

Concen: 31.746 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 65 Resp: 169428

Ion Ratio Lower Upper

65 100

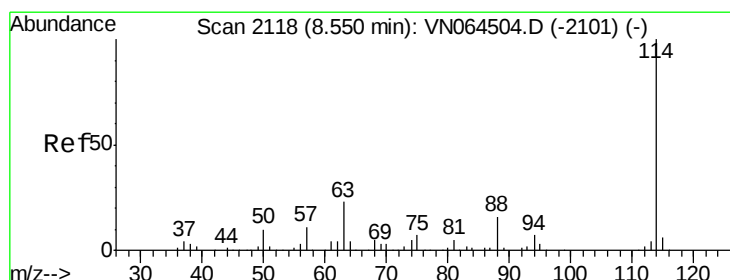
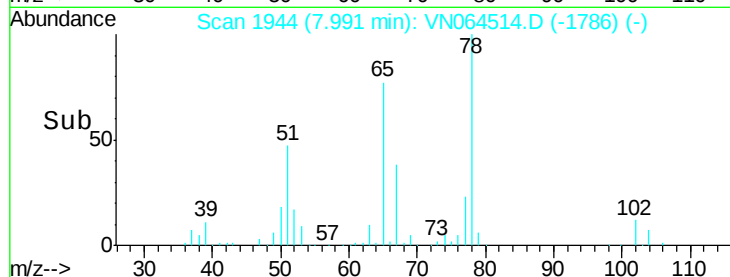
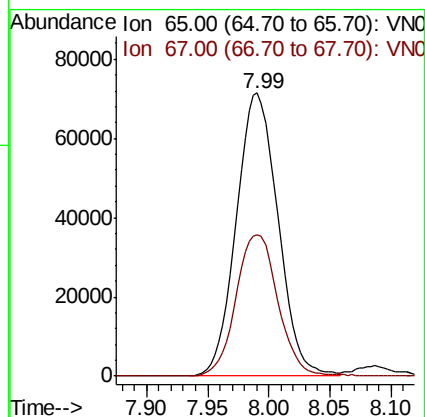
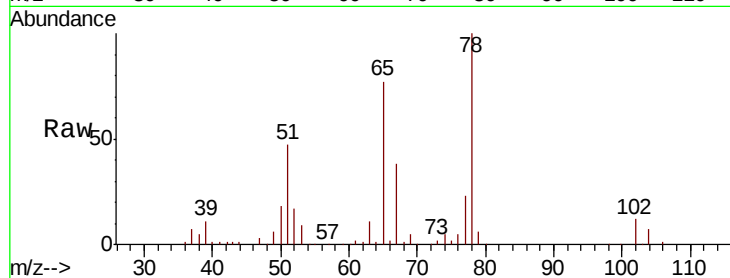
67 50.1 41.1 61.7

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11/10/2020 1:10:54 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

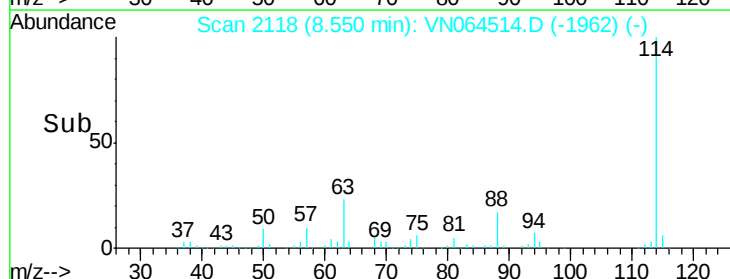
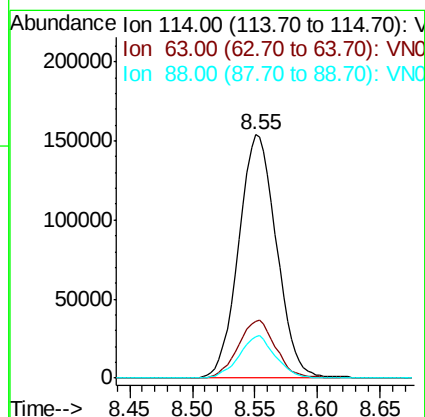
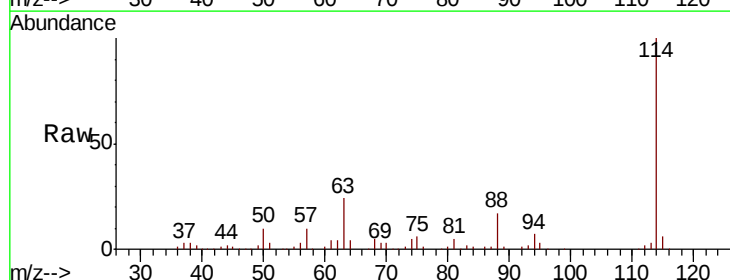
Tgt Ion: 114 Resp: 323161

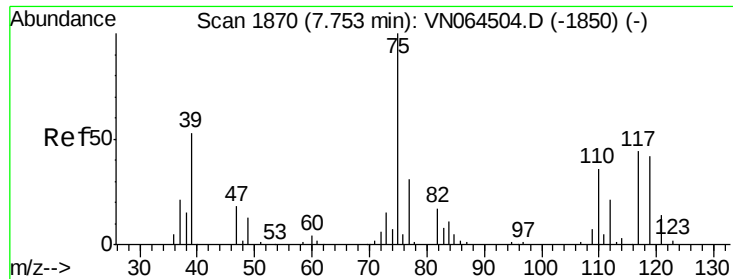
Ion Ratio Lower Upper

114 100

63 23.4 18.5 27.7

88 16.6 13.0 19.6





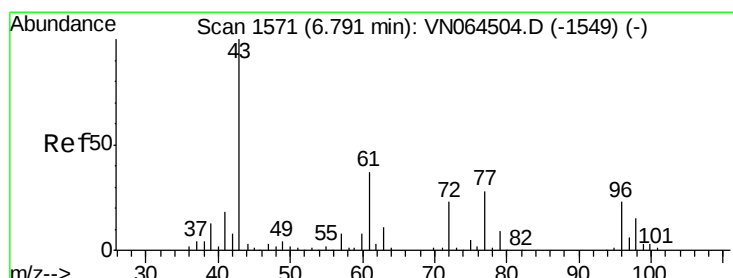
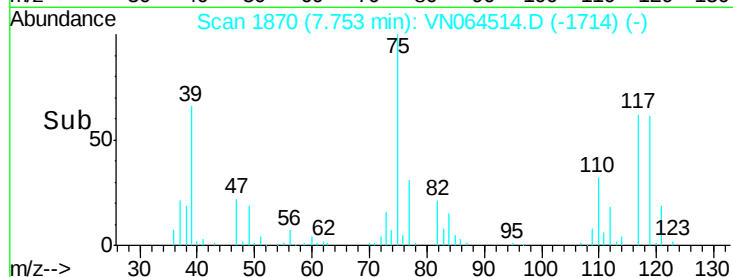
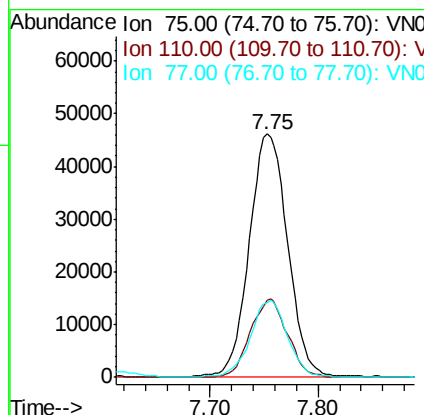
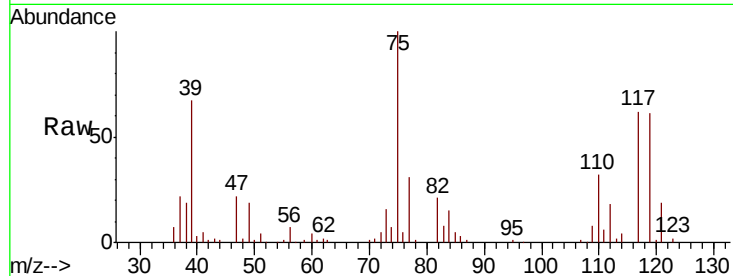
#29
 1,1-Dichloropropene
 Concen: 20.395 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.1	0.0	66.4	
77	29.9	0.0	62.0	

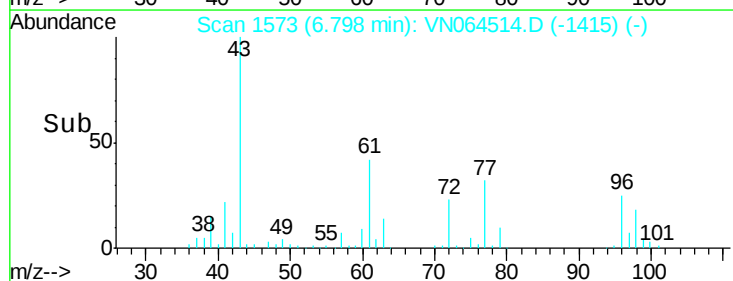
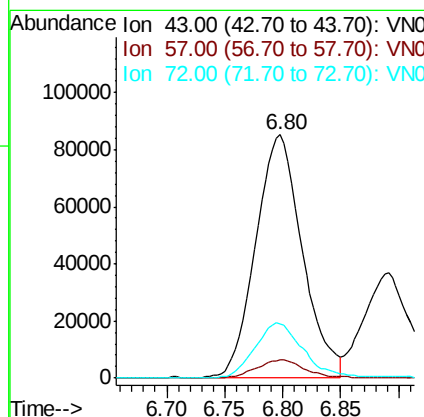
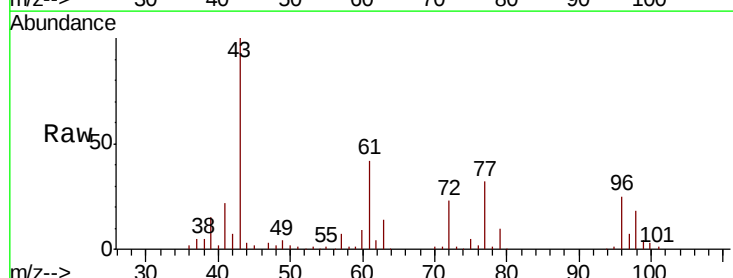
Manual Integrations
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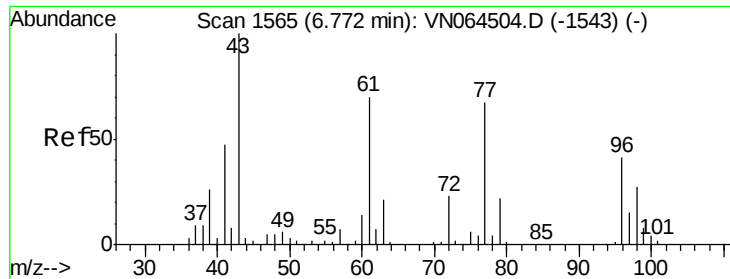
MMDadoda
 11/10/2020 1:10:54 PM



#30
 2-Butanone
 Concen: 85.381 ug/l
 RT: 6.80 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.6	6.2	9.4	
72	23.7	9.9	14.9	





#31

2,2-Dichloropropane

Concen: 19.588 ug/l

RT: 6.79 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 77 Resp: 130484

Ion Ratio Lower Upper

77 100

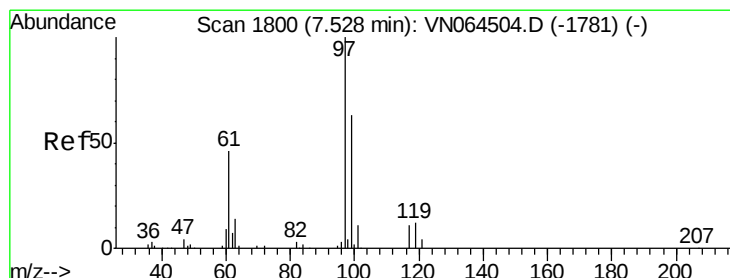
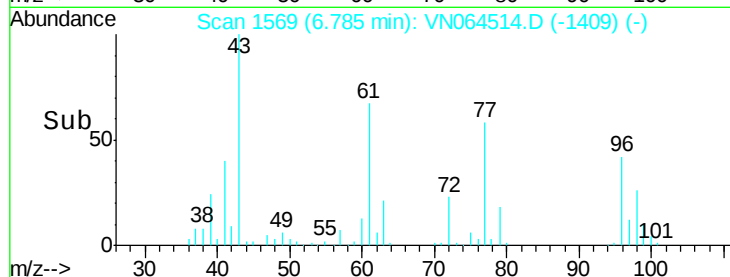
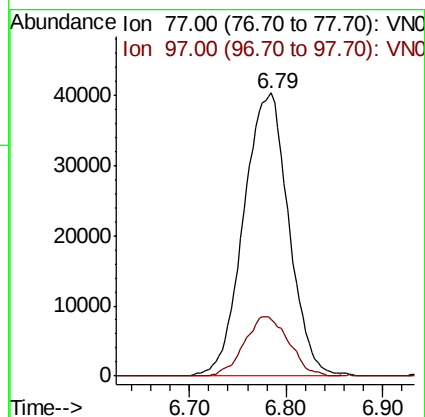
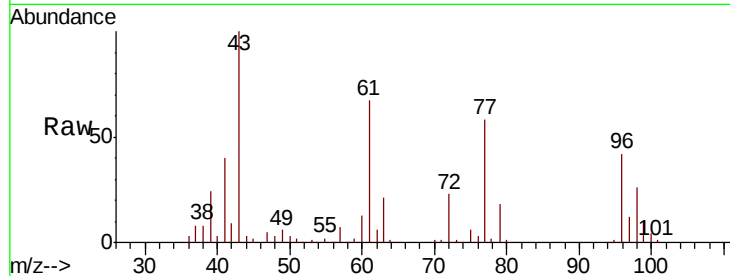
97 20.7 16.9 25.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.594 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

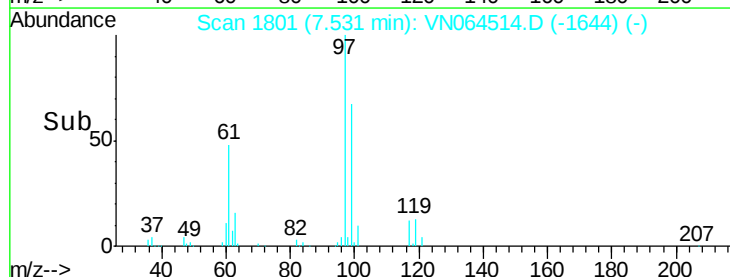
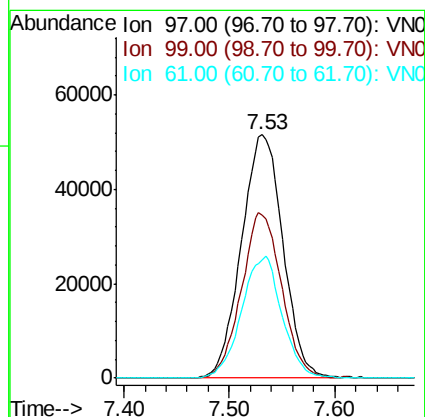
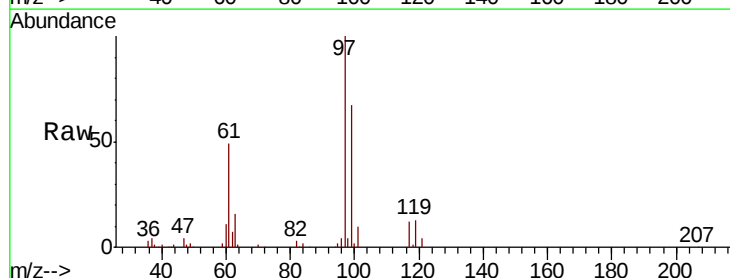
Tgt Ion: 97 Resp: 141663

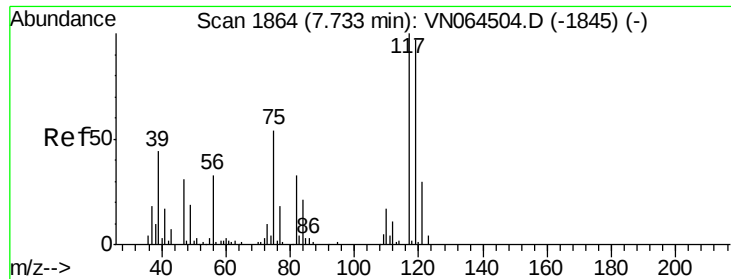
Ion Ratio Lower Upper

97 100

99 65.5 51.8 77.8

61 48.6 39.4 59.0





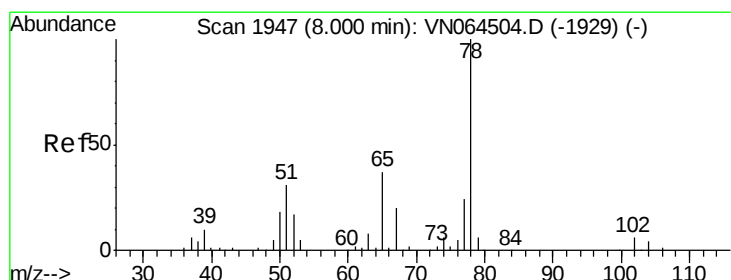
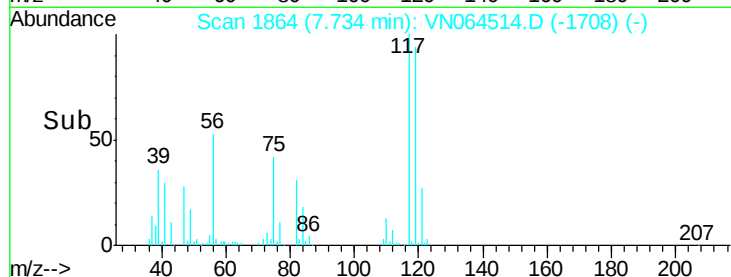
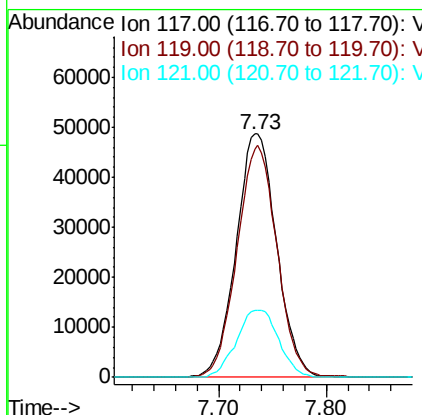
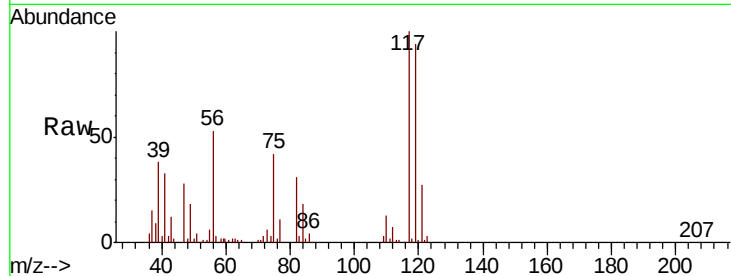
#33
Carbon Tetrachloride
Concen: 20.711 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.9	116.9
121	27.5	24.0	36.0

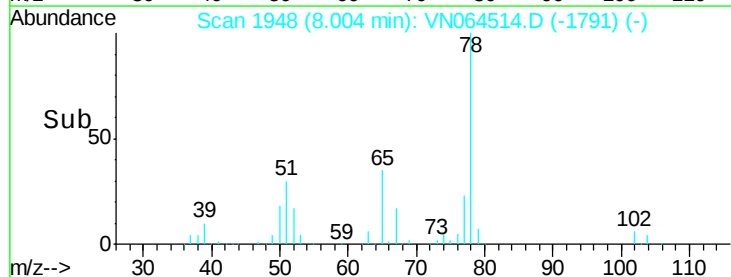
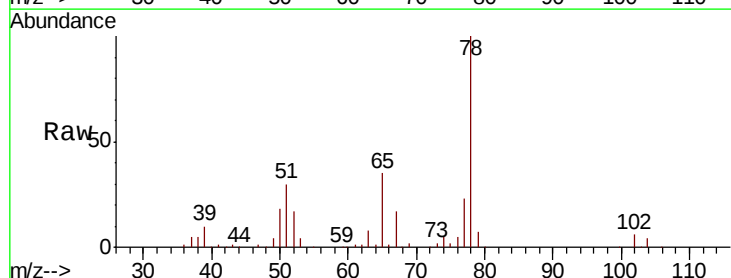
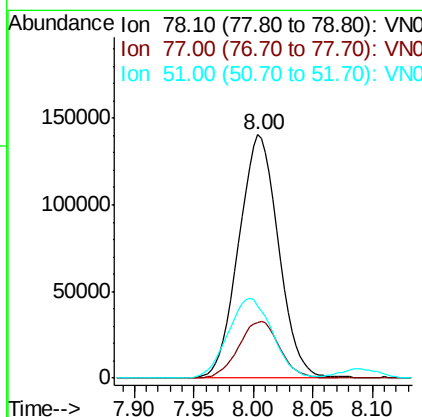
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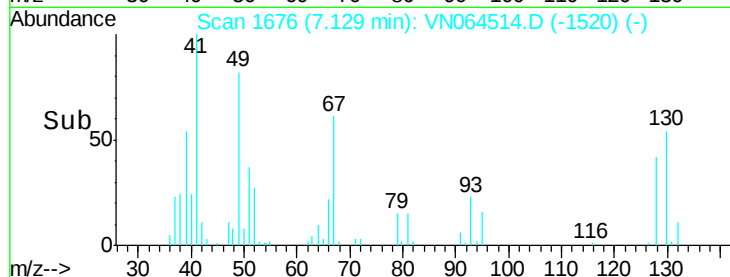
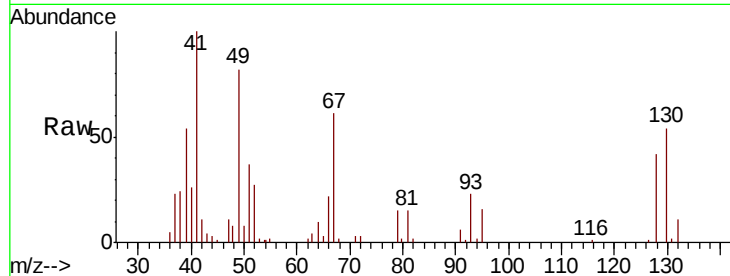
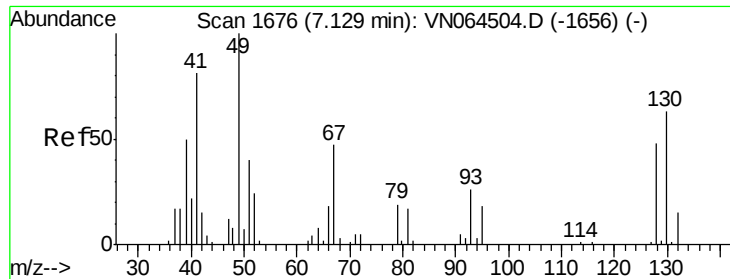
MMDadoda
11/10/2020 1:10:54 PM



#34
Benzene
Concen: 20.060 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

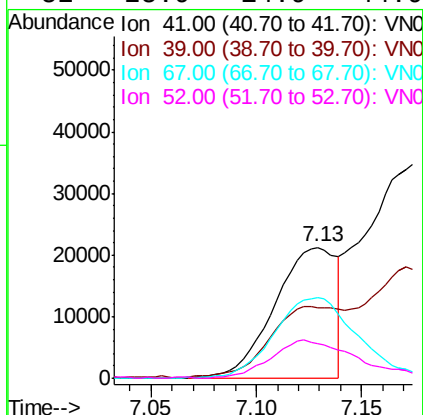
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3
51	29.4	24.6	36.8





#35
Methacrylonitrile
Concen: 16.728 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

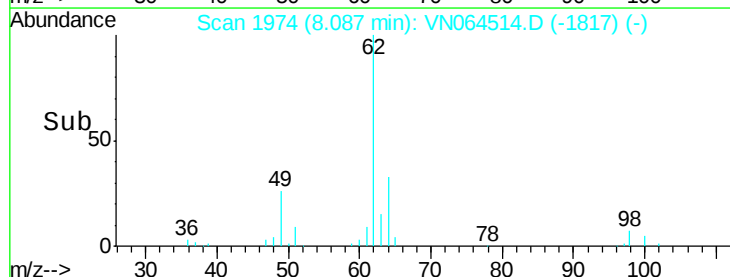
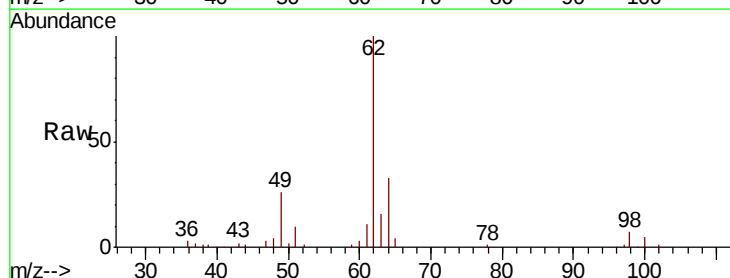
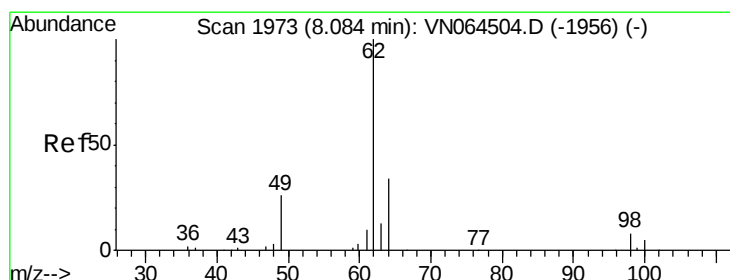
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VN0	100		
39	39.00 (38.70 to 39.70): VN0	53.1	30.0	90.1
67	67.00 (66.70 to 67.70): VN0	60.7	29.2	87.6
52	52.00 (51.70 to 52.70): VN0	25.9	14.9	44.9



Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

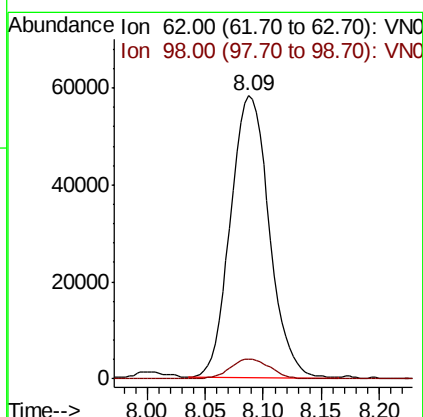
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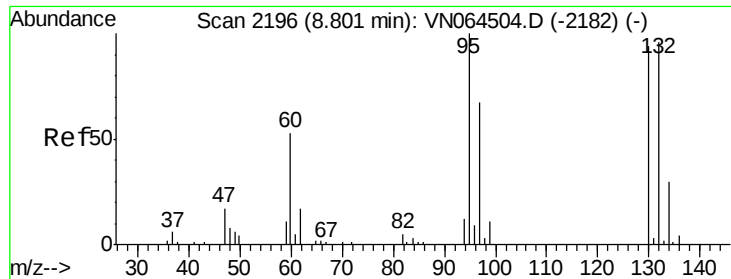
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#36
1,2-Dichloroethane
Concen: 20.314 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.70 to 62.70): VN0	100		
98	98.00 (97.70 to 98.70): VN0	7.1	5.5	8.3





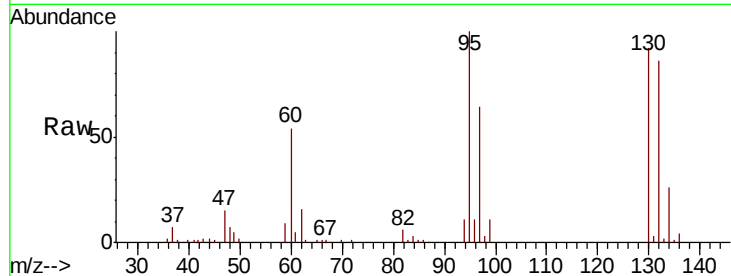
#37
 Trichloroethene
 Concen: 20.181 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

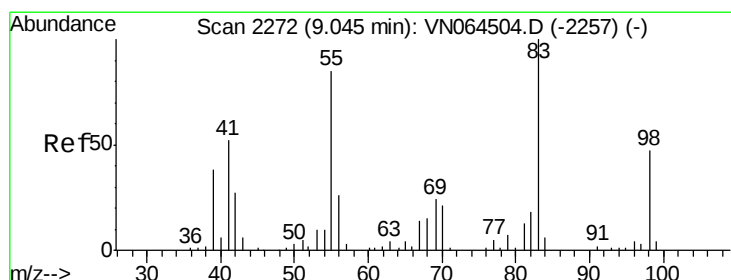
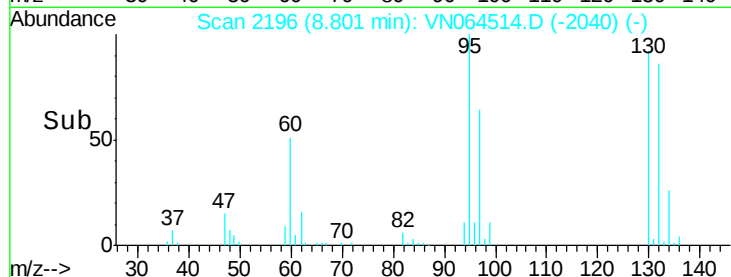
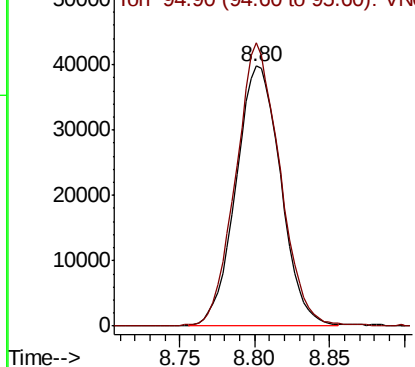
Tot Ion:130 Resp: 82858
 Ion Ratio Lower Upper
 130 100
 95 108.3 85.1 127.7

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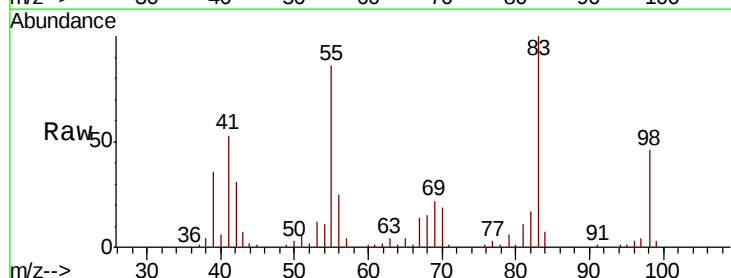


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

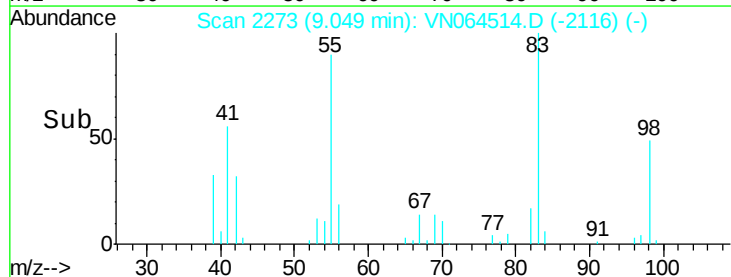
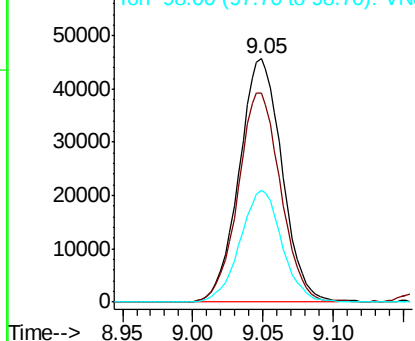


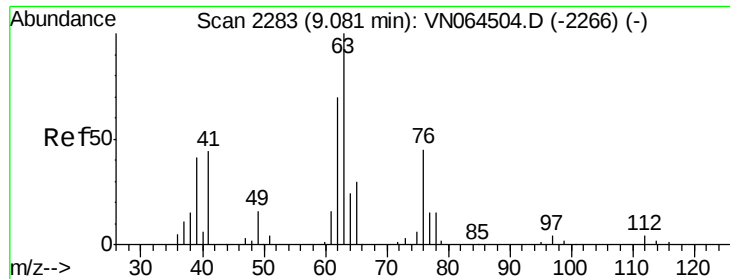
#38
 Methylcyclohexane
 Concen: 19.147 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion: 83 Resp: 97124
 Ion Ratio Lower Upper
 83 100
 55 84.8 42.0 126.1
 98 44.8 22.5 67.5



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





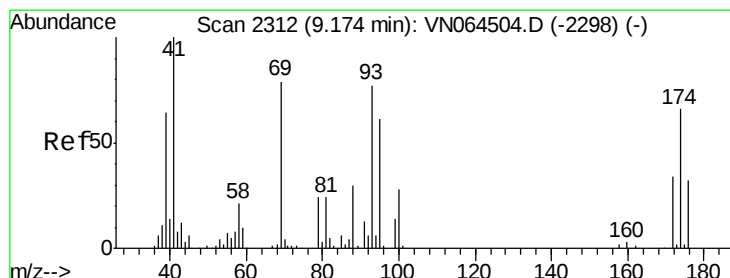
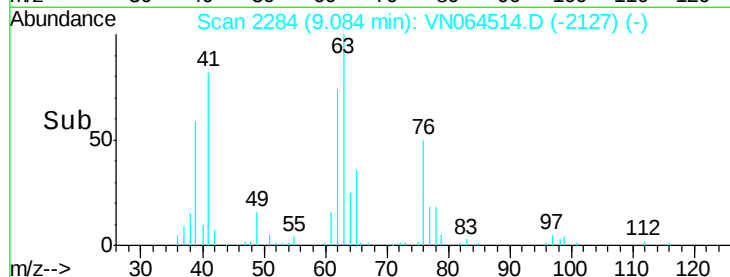
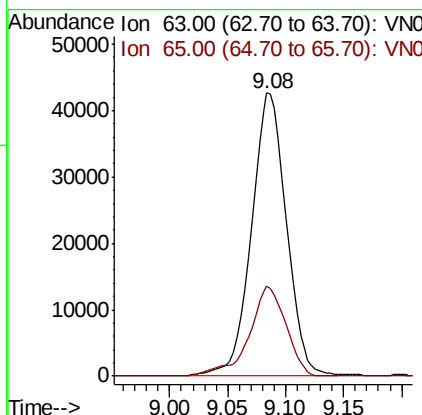
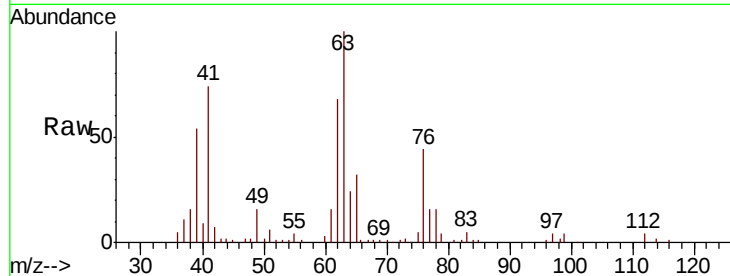
#39
 1,2-Dichloropropane
 Concen: 20.539 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 63 Resp: 89616
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6

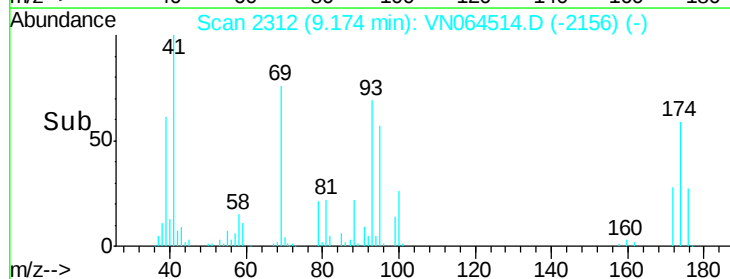
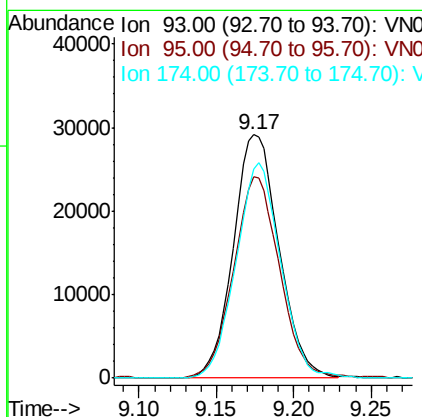
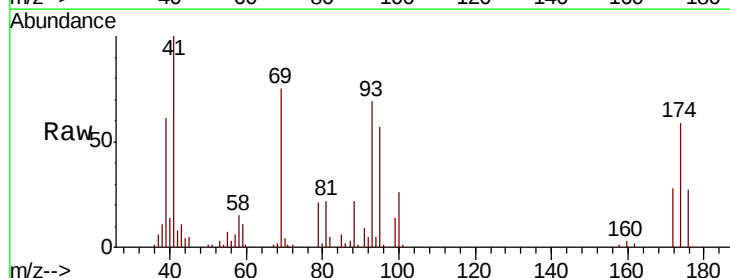
Manual Integrations
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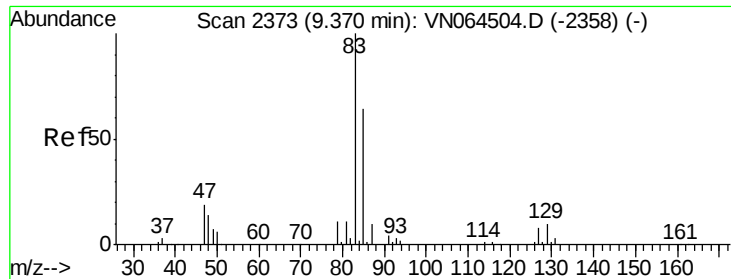
MMDadoda
 11/10/2020 1:10:54 PM



#40
 Dibromomethane
 Concen: 20.316 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion: 93 Resp: 59799
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 164.6
 174 86.1 0.0 165.6





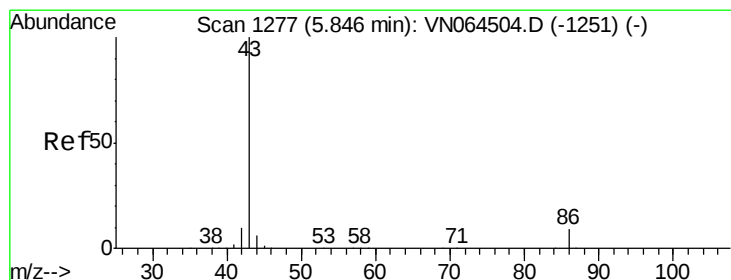
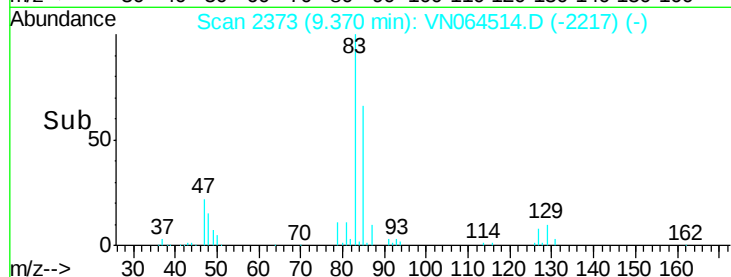
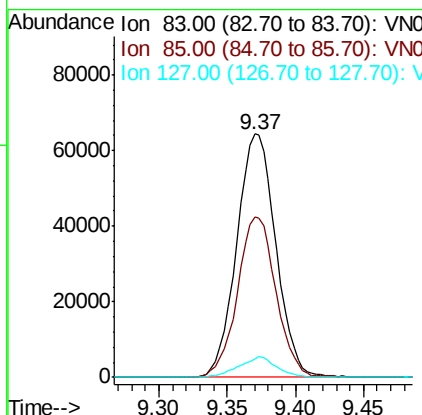
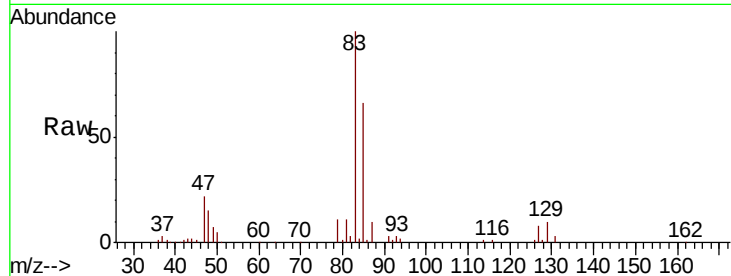
#41
Bromodichloromethane
Concen: 20.119 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	83	Resp	128348
Ion Ratio	100		
Lower	51.0		
Upper	76.4		
85	65.6		
127	7.8		

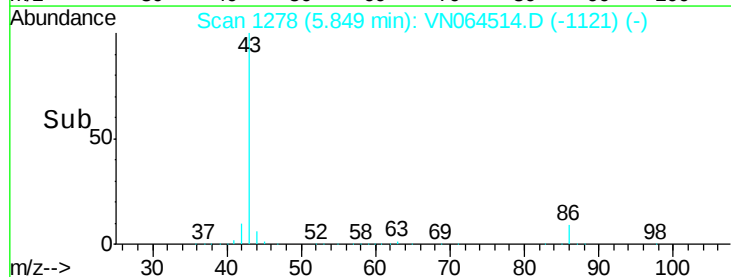
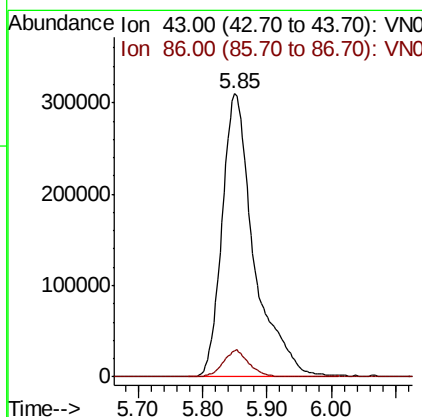
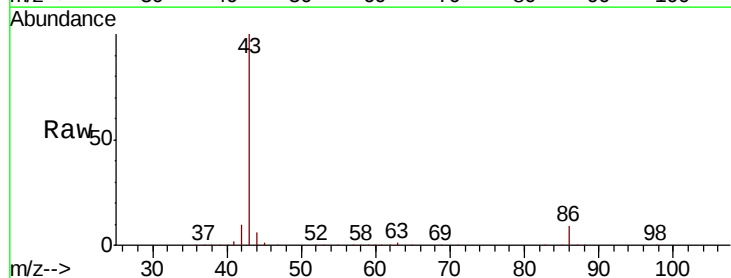
Manual Integrations
APPROVED

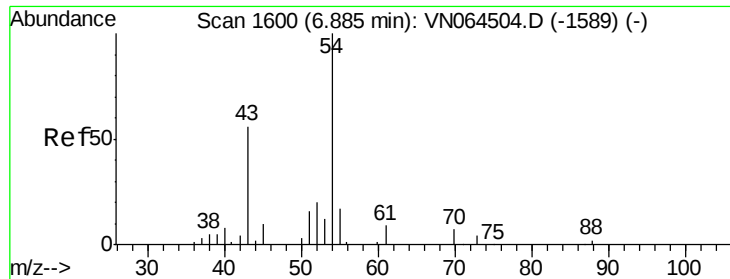
MMDadoda
11/10/2020 1:10:54 PM



#42
Vinyl Acetate
Concen: 96.104 ug/l
RT: 5.85 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	43	Resp	1068079
Ion Ratio	100		
Lower	6.3		
Upper	9.5		
86	7.6		





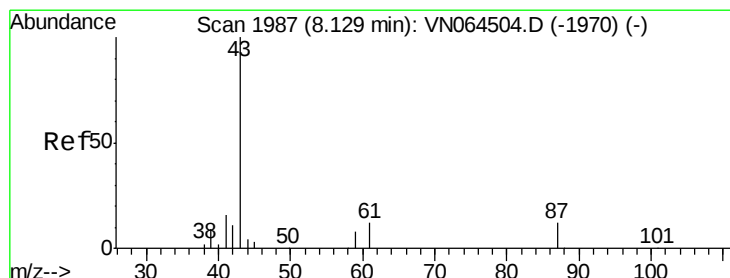
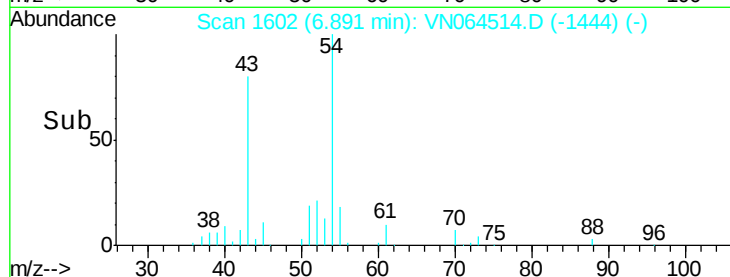
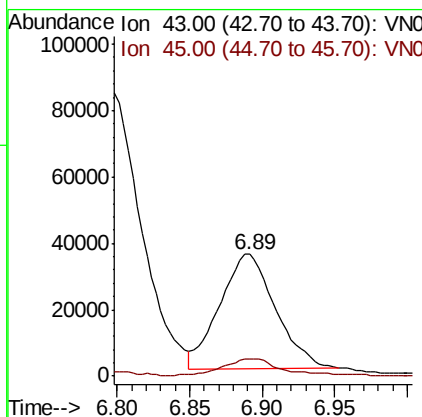
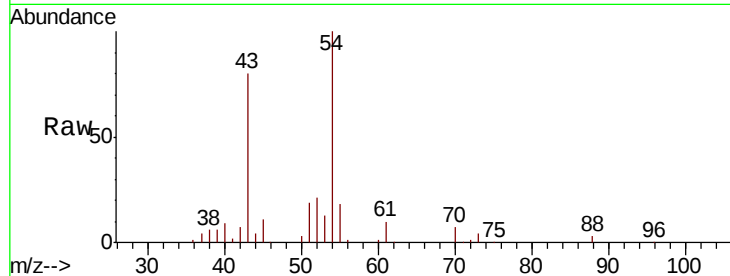
#43
Ethyl Acetate
Concen: 17.084 ug/l
RT: 6.89 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 43 Resp: 92285
Ion Ratio Lower Upper
43 100
45 12.6 10.9 16.3

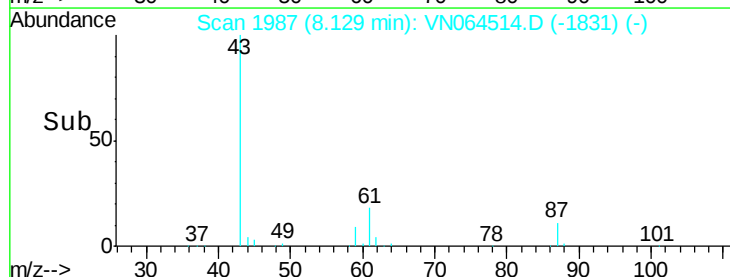
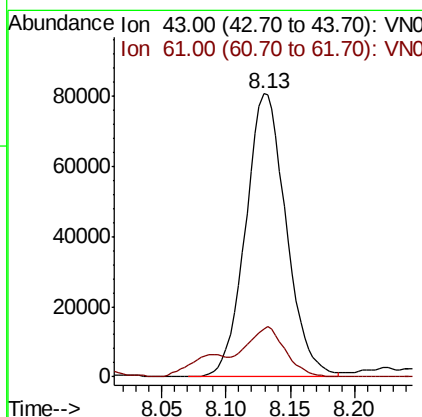
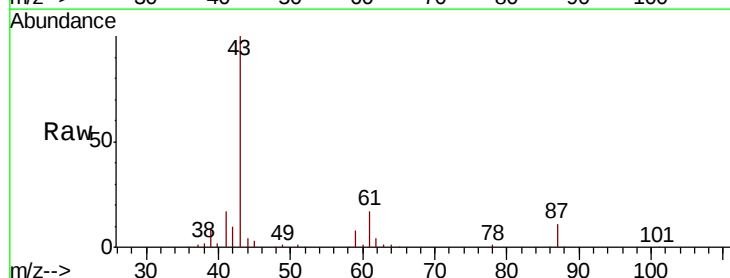
Manual Integrations
APPROVED

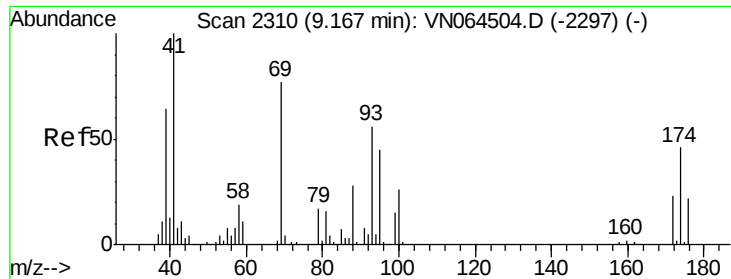
MMDadoda
11/10/2020 1:10:54 PM



#44
Isopropyl Acetate
Concen: 18.887 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion: 43 Resp: 176110
Ion Ratio Lower Upper
43 100
61 16.7 13.0 19.4





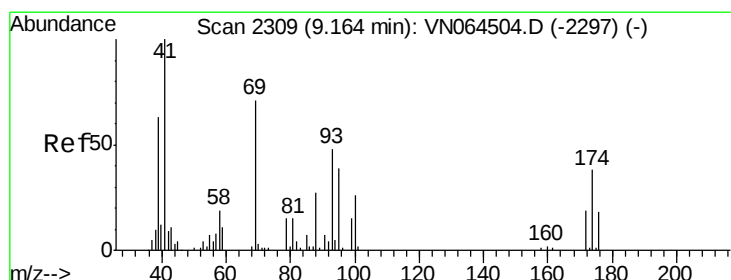
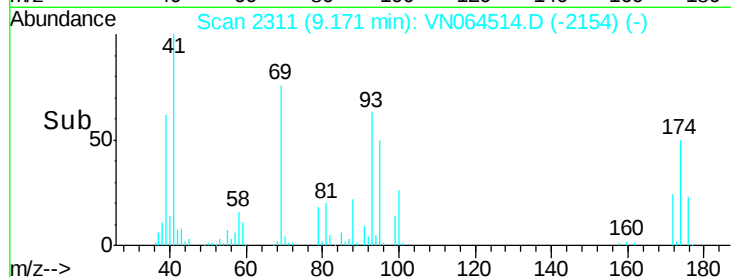
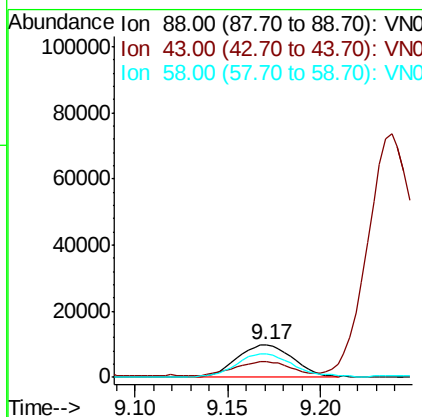
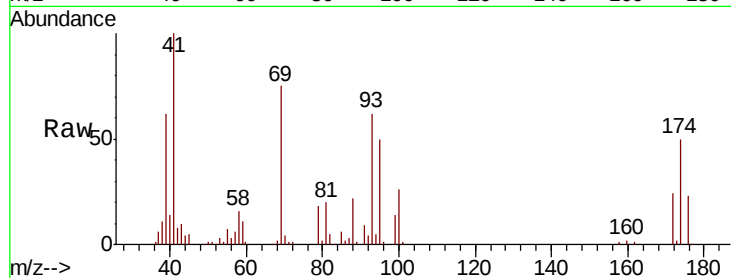
#45
1,4-Dioxane
Concen: 321.143 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	30.6	46.0
58	73.2	57.9	86.9

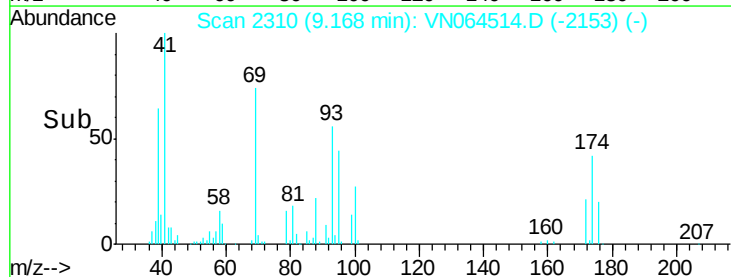
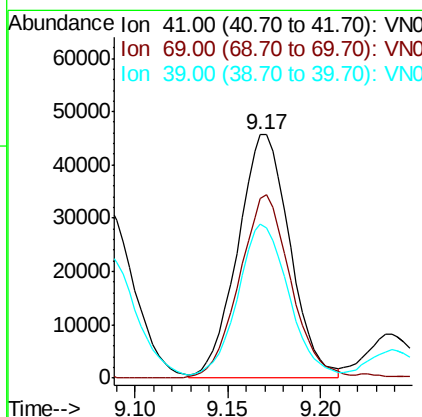
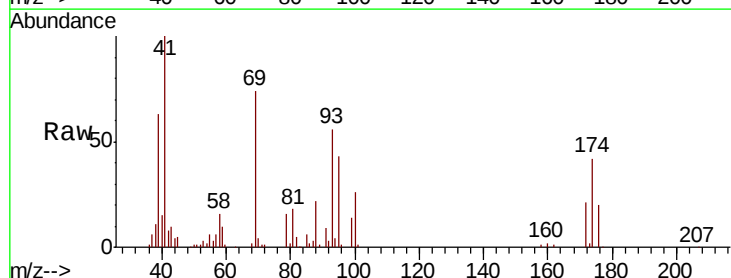
Manual Integrations
APPROVED

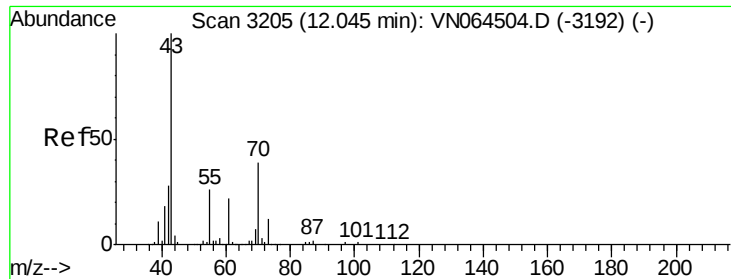
MMDadoda
11/10/2020 1:10:54 PM



#46
Methyl methacrylate
Concen: 19.178 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.3	35.4	106.2
39	63.2	31.6	94.7





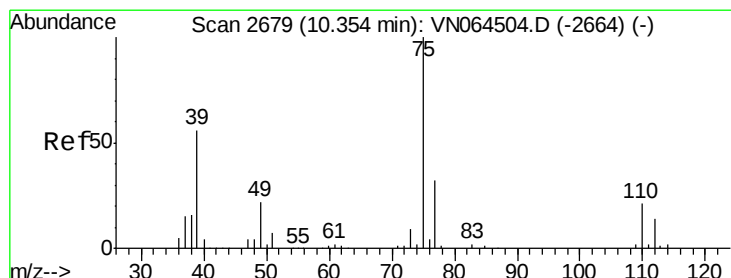
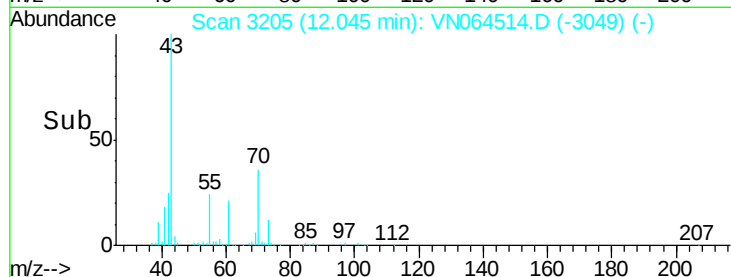
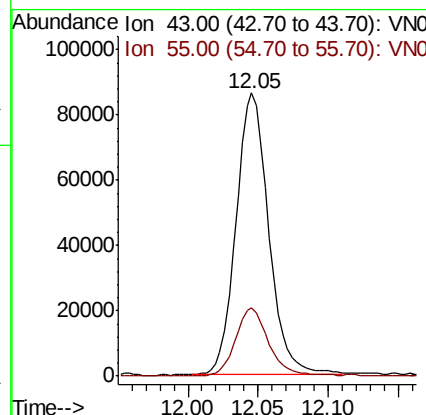
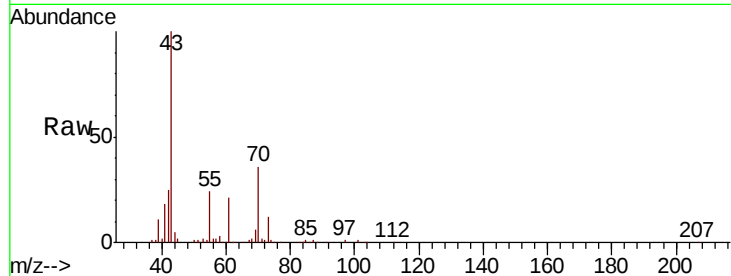
#47
n-amvl Acetate
Concen: 17.392 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 43 Resp: 140289
Ion Ratio Lower Upper
43 100
55 24.5 19.2 28.8

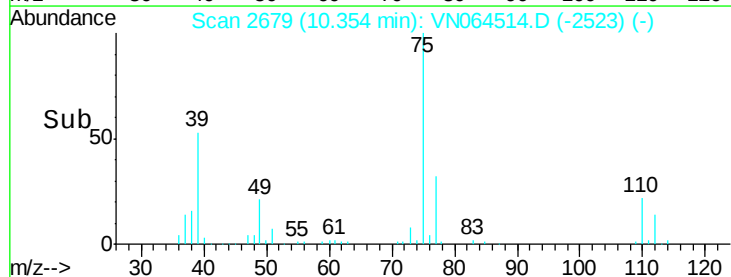
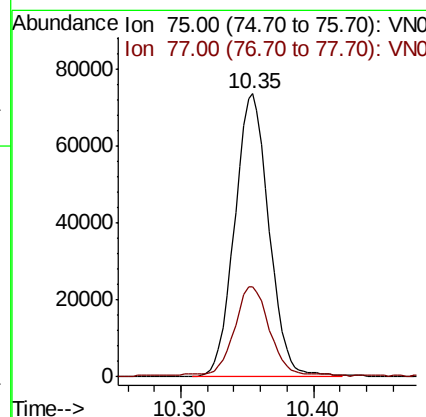
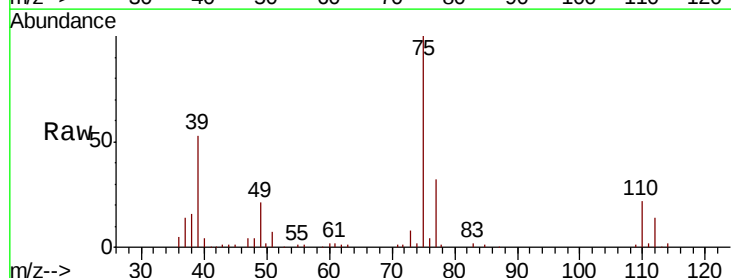
Manual Integrations
APPROVED

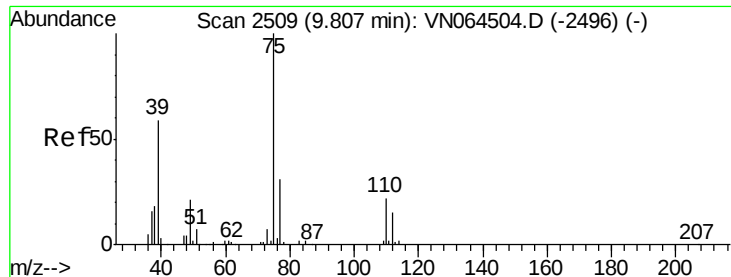
MMDadoda
11/10/2020 1:10:54 PM



#48
t-1,3-Dichloropropene
Concen: 19.589 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion: 75 Resp: 132428
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6





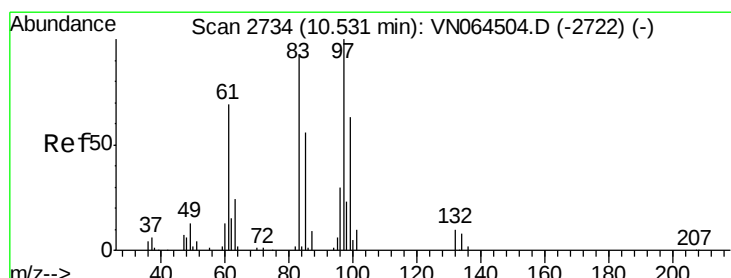
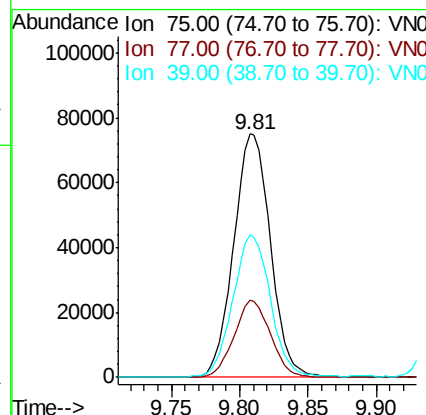
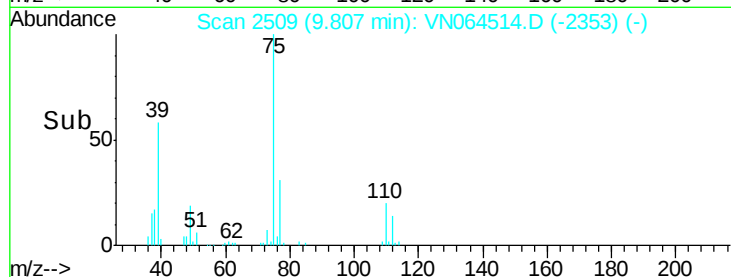
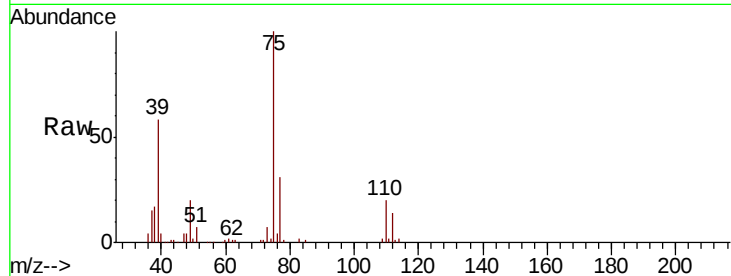
#49
 cis-1,3-Dichloropropene
 Concen: 19.801 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	57.8	47.4	71.0

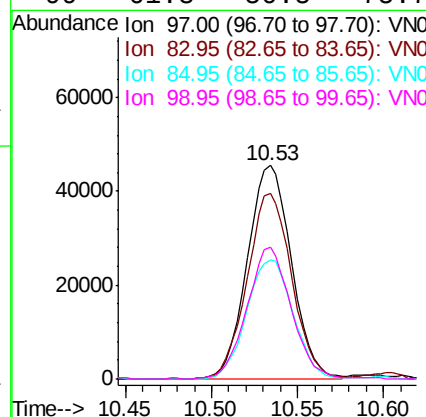
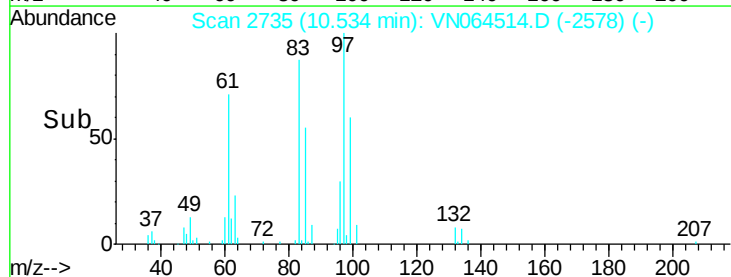
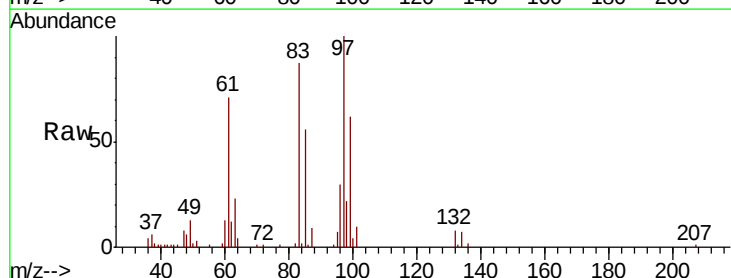
Manual Integrations
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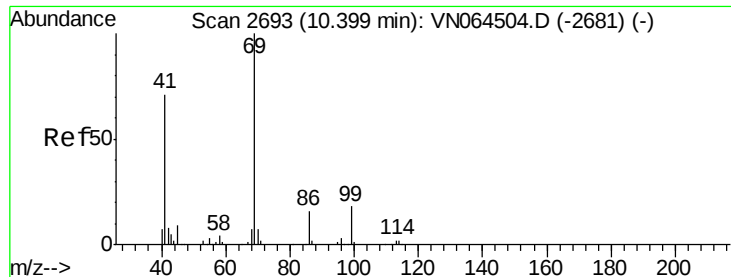
MMDadoda
 11/10/2020 1:10:54 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.061 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	74.2	111.4
85	55.8	44.8	67.2
99	61.8	50.5	75.7





#51

Ethyl methacrylate

Concen: 18.227 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

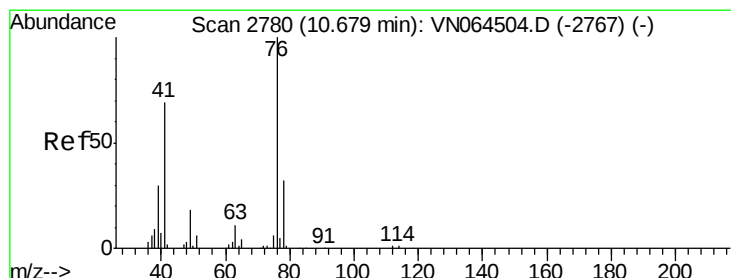
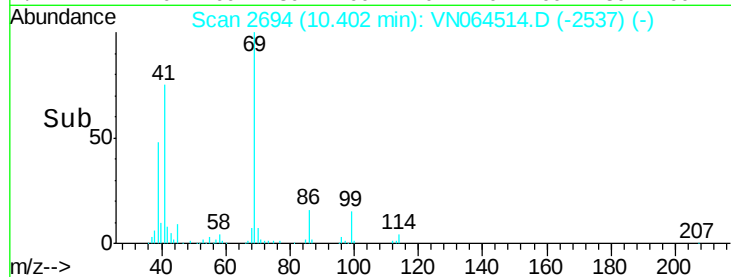
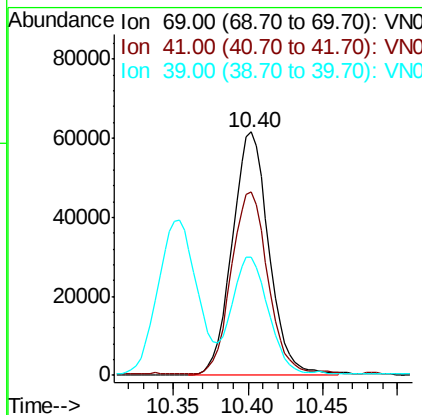
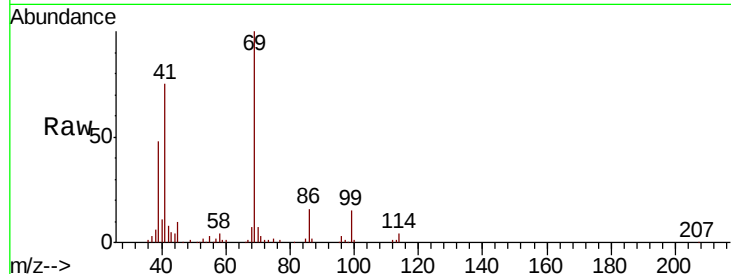
ClientSampleId :

VN1109WBSD01

Tot Ion:	69	Resp:	105402
Ion	Ratio	Lower	Upper
69	100		
41	74.6	35.4	106.1
39	47.6	24.1	72.2

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:10:54 PM



#52

1,3-Dichloropropane

Concen: 19.877 ug/l

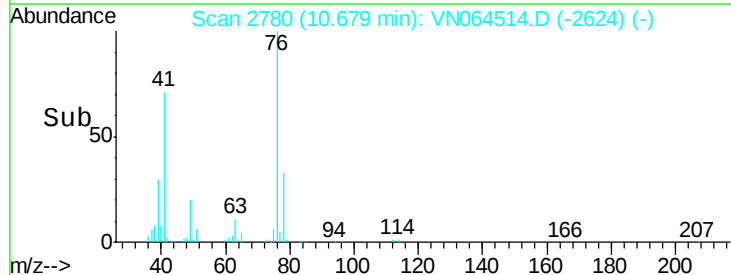
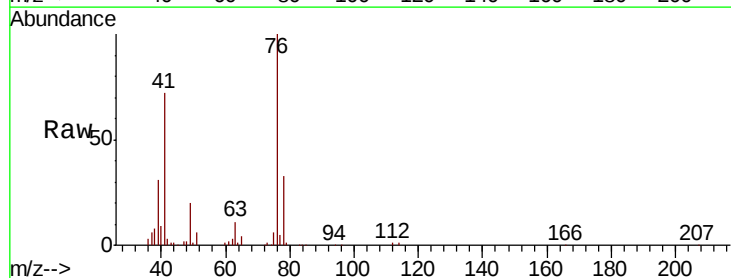
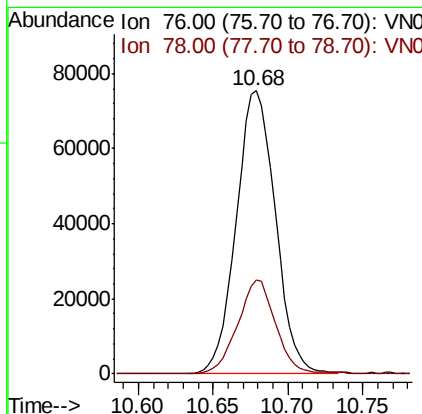
RT: 10.68 min Scan# 2780

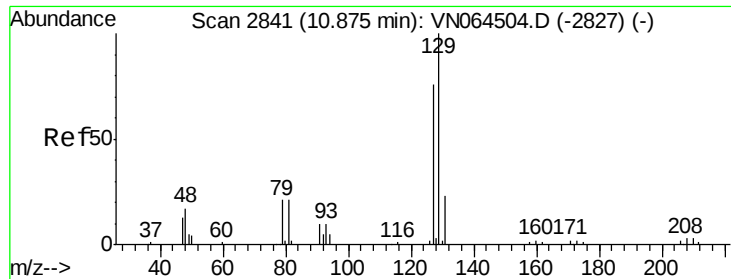
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion:	76	Resp:	137800
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.2





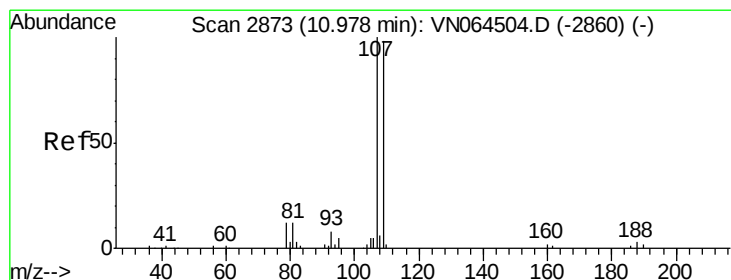
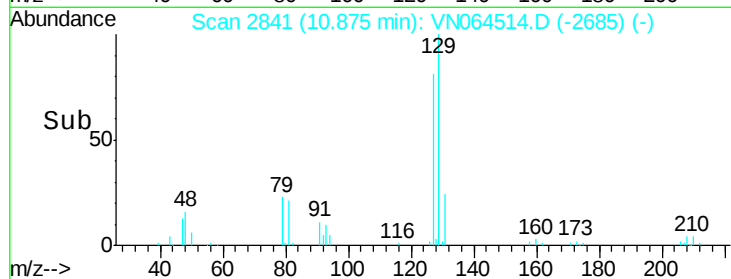
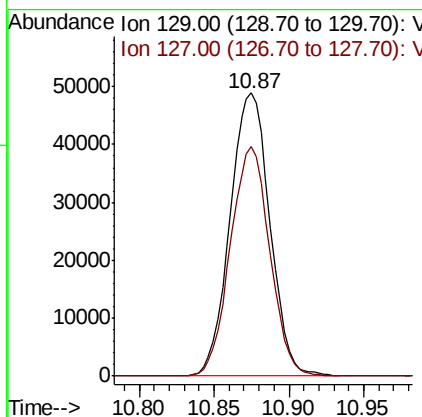
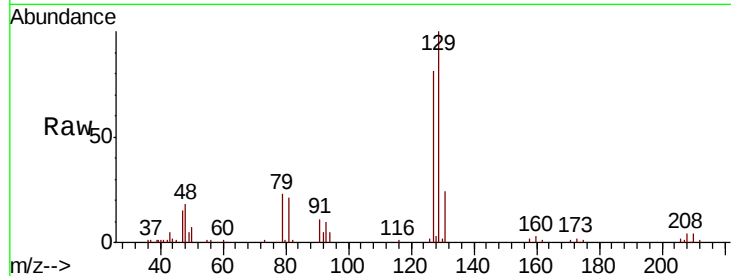
#53
 Dibromochloromethane
 Concen: 19.606 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion:129 Resp: 90609
 Ion Ratio Lower Upper
 129 100
 127 80.3 39.1 117.2

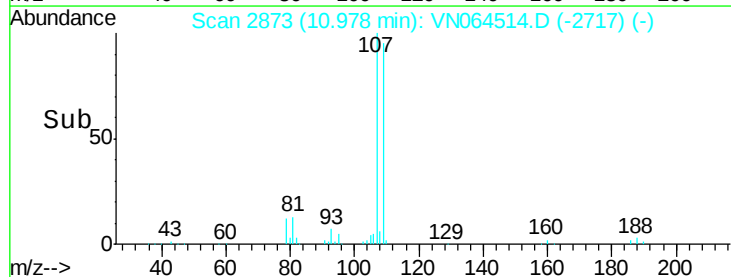
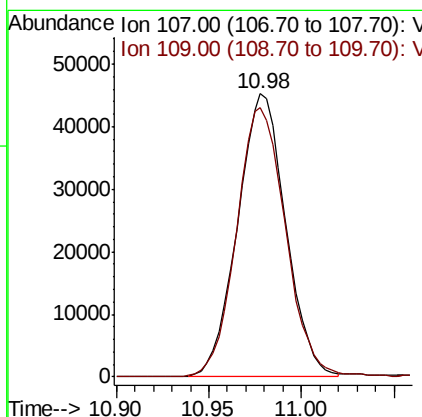
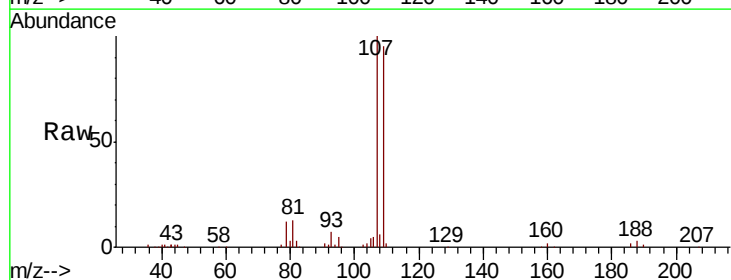
Manual Integrations
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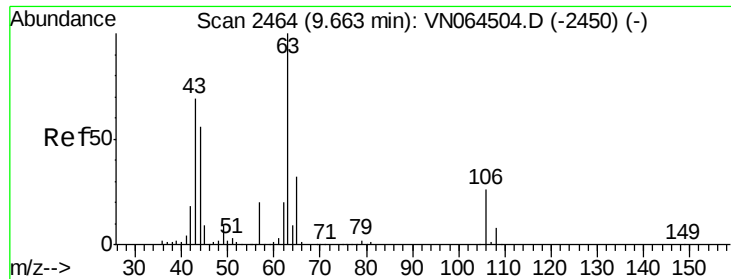
MMDadoda
 11/10/2020 1:10:54 PM



#54
 1,2-Dibromoethane
 Concen: 19.697 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion:107 Resp: 81302
 Ion Ratio Lower Upper
 107 100
 109 97.5 77.2 115.8





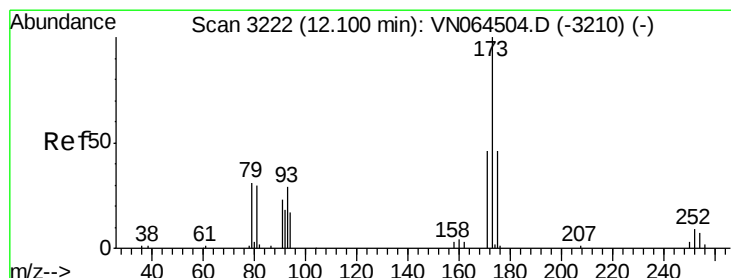
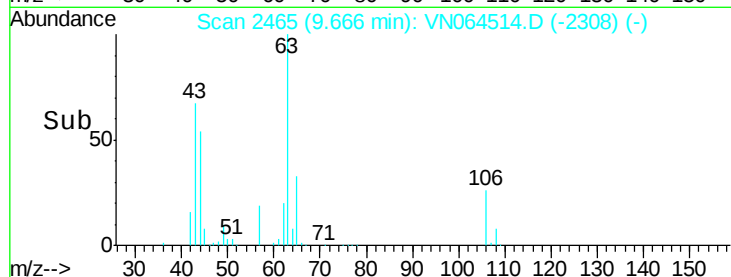
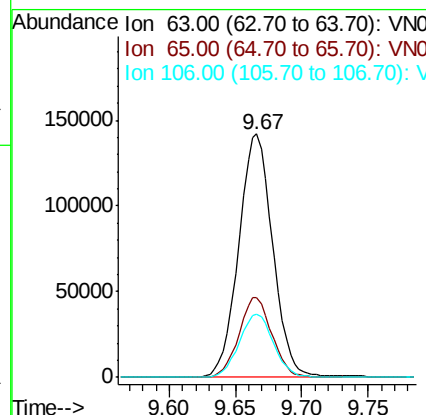
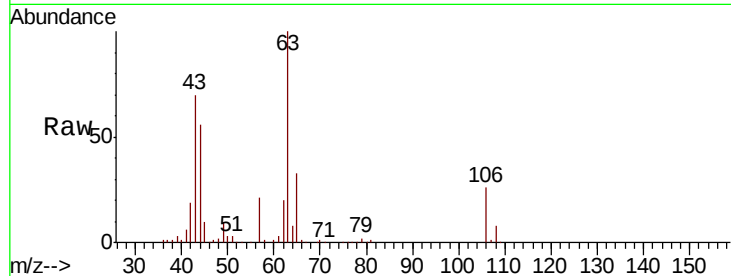
#55
2-Chloroethyl vinyl ether
Concen: 83.819 ug/l
RT: 9.67 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.7	38.5
106	26.1	19.9	29.9

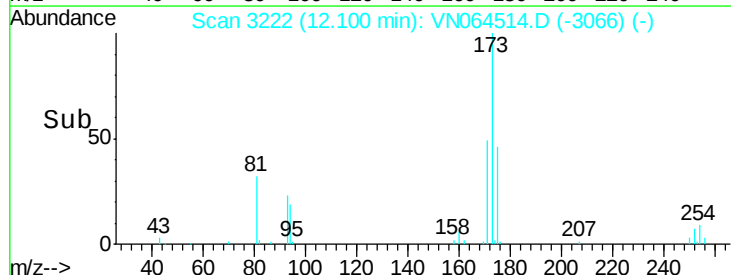
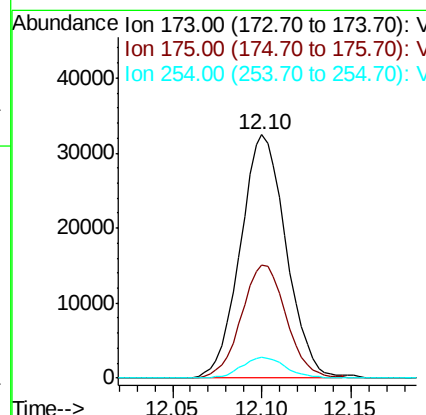
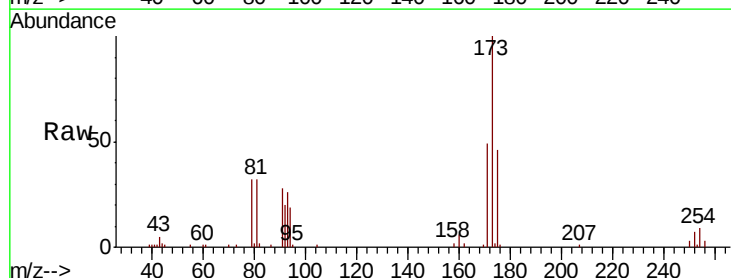
Manual Integrations
APPROVED

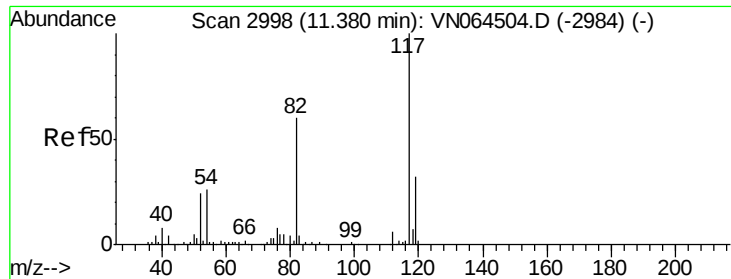
MMDadoda
11/10/2020 1:10:54 PM



#56
Bromoform
Concen: 19.084 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.5	37.1	55.7
254	8.2	5.4	8.2#





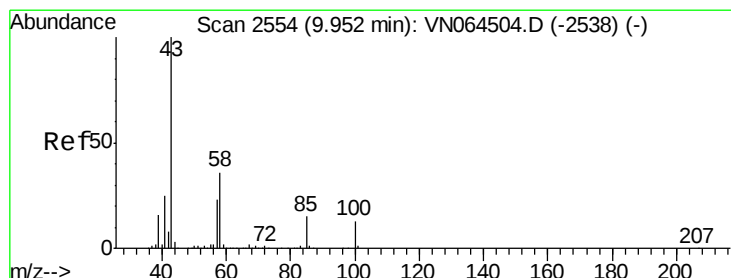
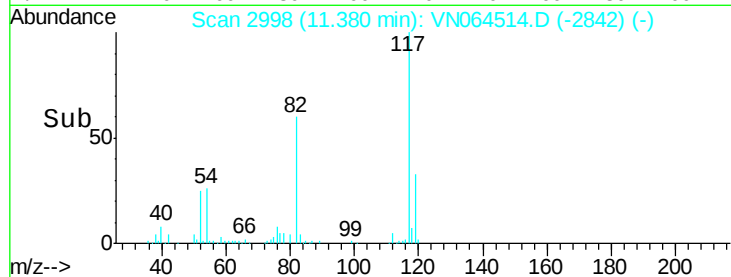
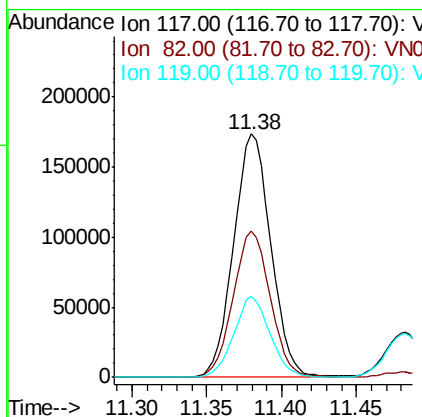
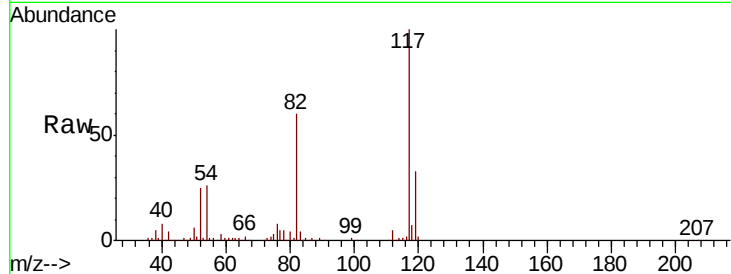
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301243		
82	60.0		47.8	71.8
119	32.4		25.7	38.5

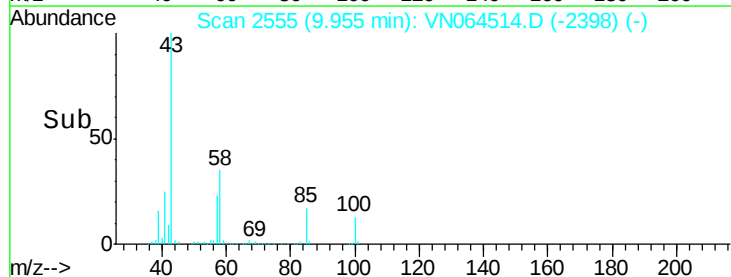
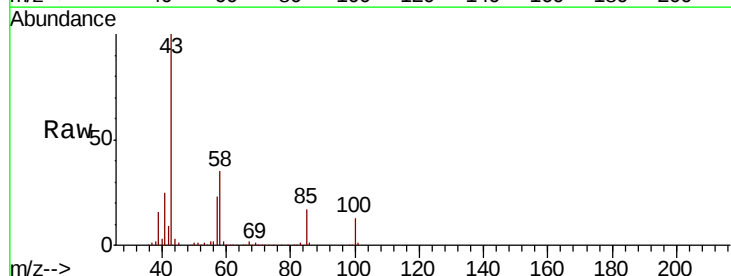
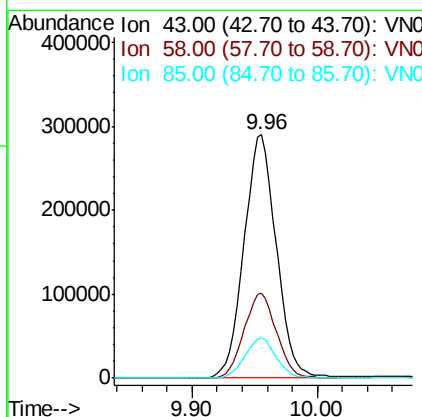
Manual Integrations
APPROVED

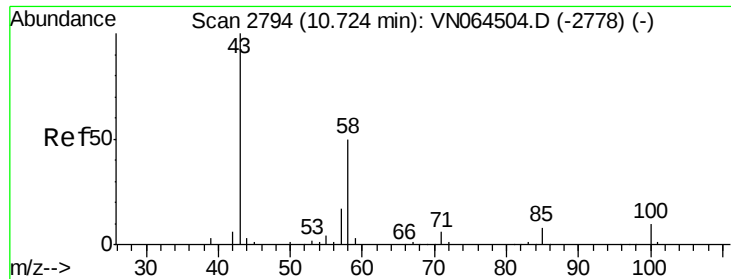
MMDadoda
11/10/2020 1:10:54 PM



#58
4-Methyl-2-Pentanone
Concen: 93.709 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	518400		
58	35.3		28.8	43.2
85	15.9		12.3	18.5





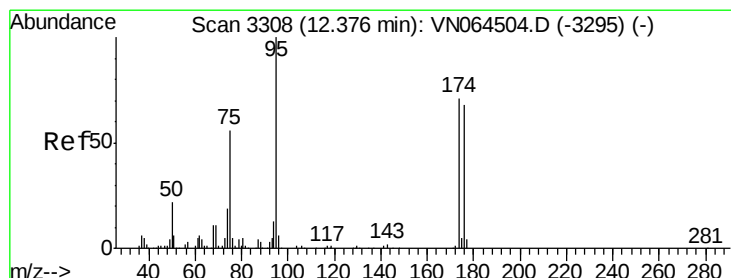
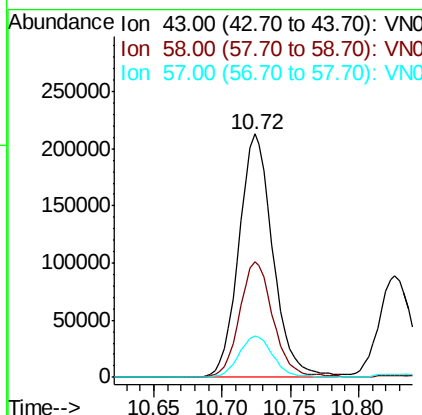
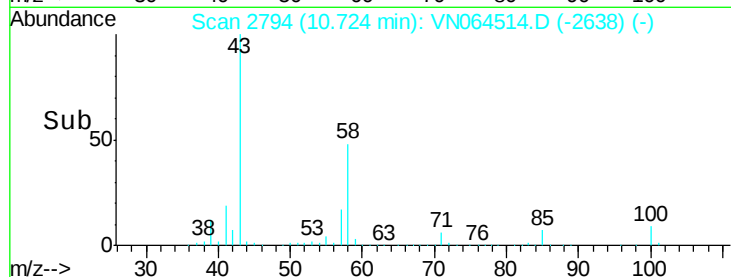
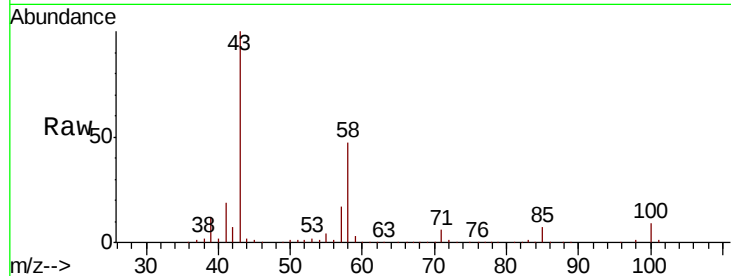
#59
2-Hexanone
Concen: 87.612 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.4
57	17.3	13.8	20.8

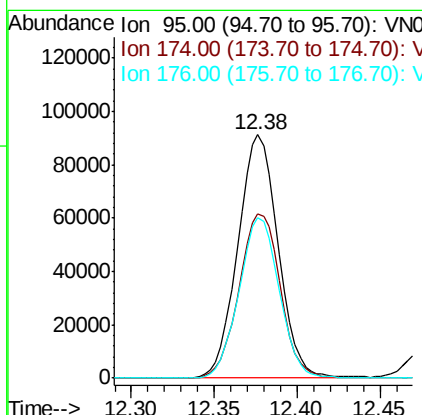
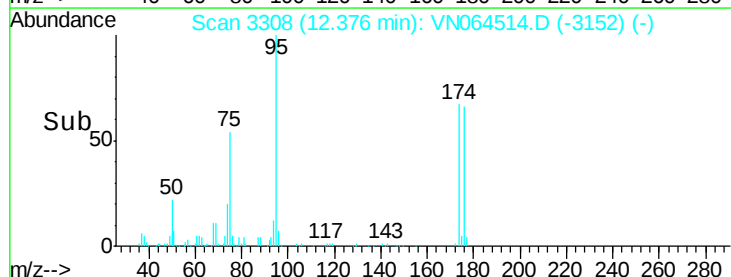
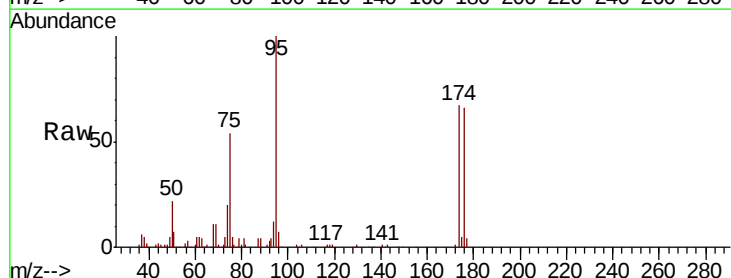
Manual Integrations
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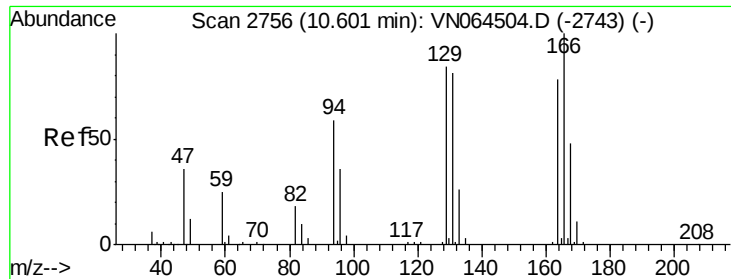
MMDadoda
11/10/2020 1:10:54 PM



#60
4-Bromofluorobenzene
Concen: 29.841 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.6	56.4	84.6
176	66.2	53.3	79.9





#61

Tetrachloroethene

Concen: 20.717 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:164 Resp: 78009

Ion Ratio Lower Upper

164 100

166 128.8 103.2 154.8

129 105.6 86.4 129.6

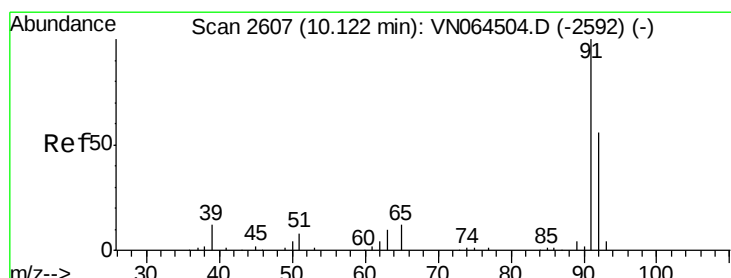
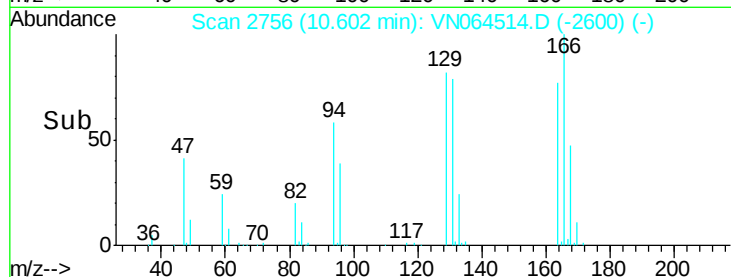
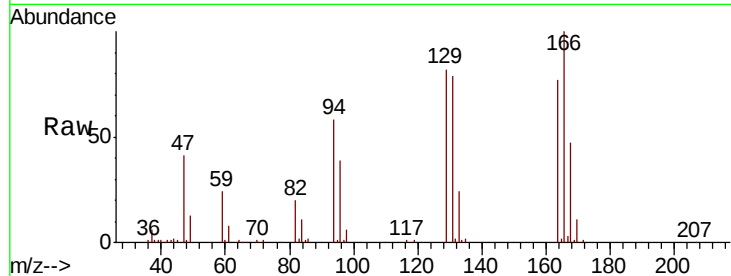
131 102.6 84.0 126.0

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11/10/2020 1:10:54 PM



#62

Toluene

Concen: 20.157 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064514.D

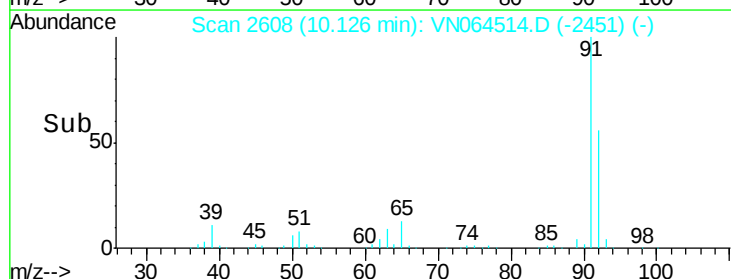
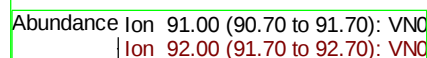
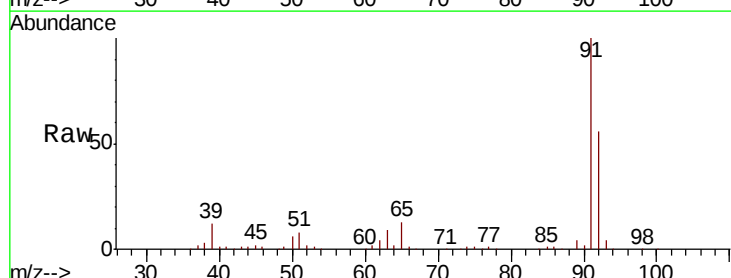
Acq: 9 Nov 2020 18:22

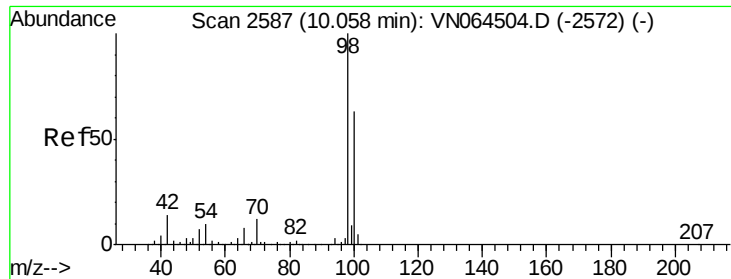
Tgt Ion: 91 Resp: 356598

Ion Ratio Lower Upper

91 100

92 56.3 45.4 68.2





#63

Toluene-d8

Concen: 30.356 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 98 Resp: 426469

Ion Ratio Lower Upper

98 100

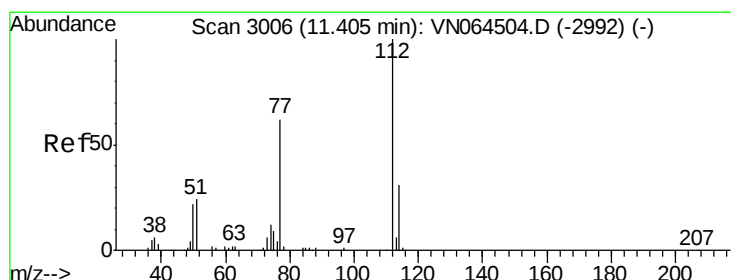
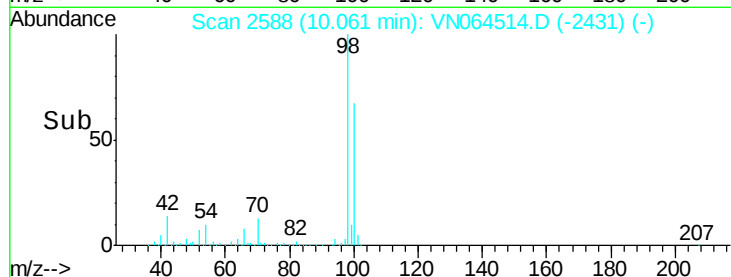
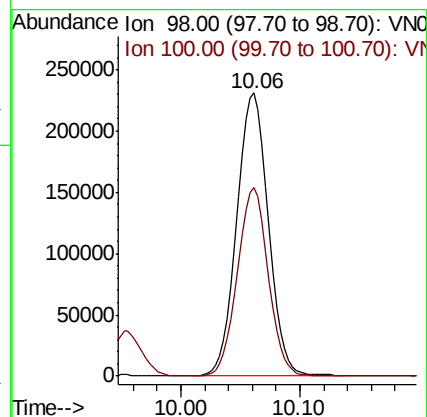
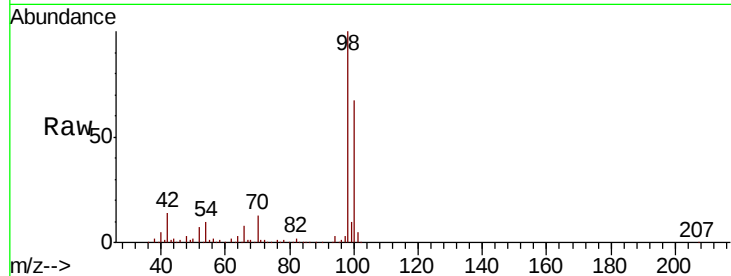
100 64.5 49.4 74.2

Manual Integrations

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#64

Chlorobenzene

Concen: 20.182 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064514.D

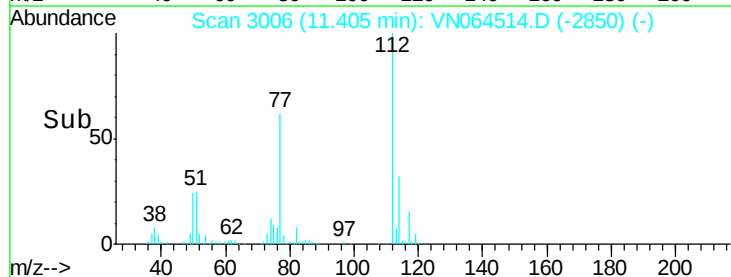
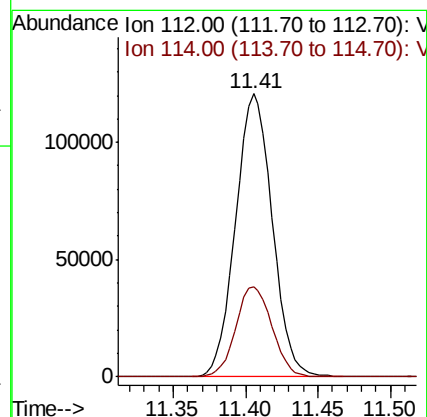
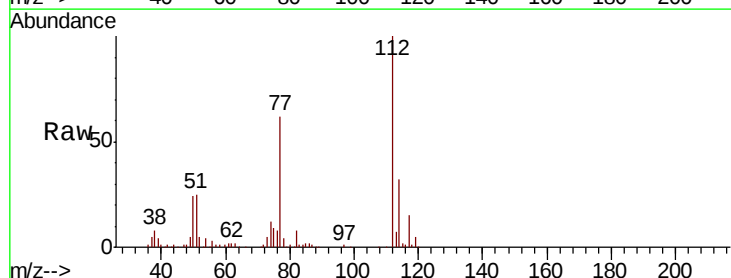
Acq: 9 Nov 2020 18:22

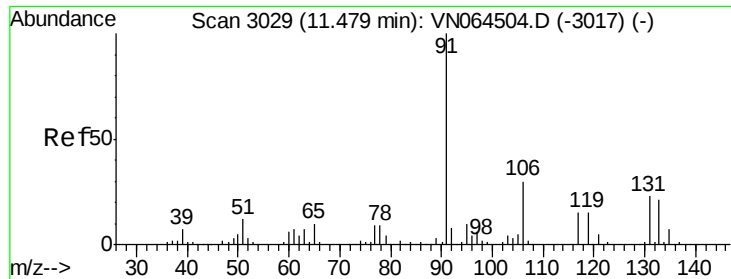
Tgt Ion: 112 Resp: 212235

Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.420 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

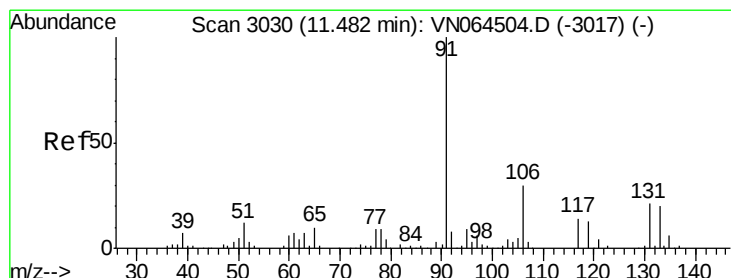
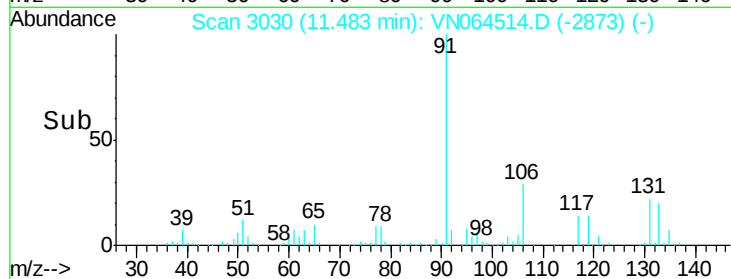
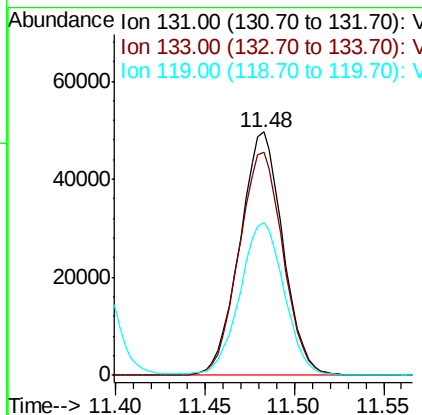
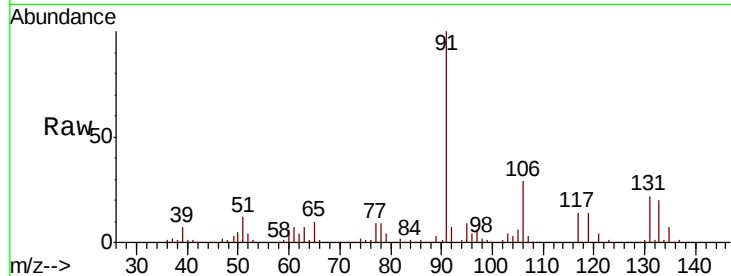
ClientSampleId :

VN1109WBSD01

Tot Ion:131 Resp: 83947
 Ion Ratio Lower Upper
 131 100
 133 93.9 0.0 191.2
 119 64.9 0.0 131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.874 ug/l

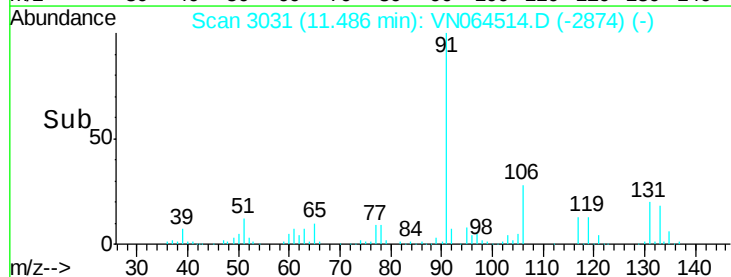
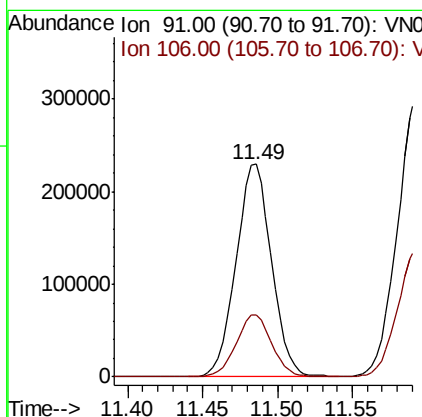
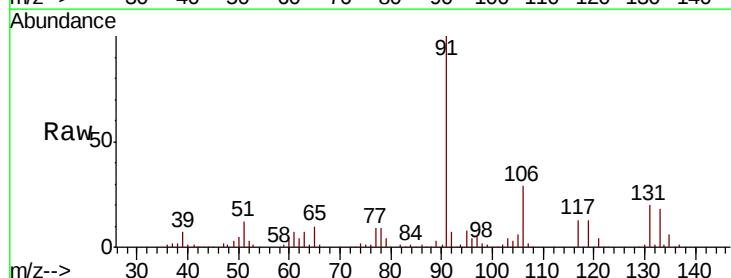
RT: 11.49 min Scan# 3031

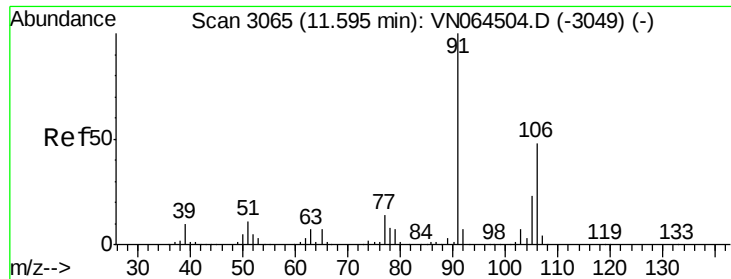
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion: 91 Resp: 379453
 Ion Ratio Lower Upper
 91 100
 106 29.3 23.9 35.9





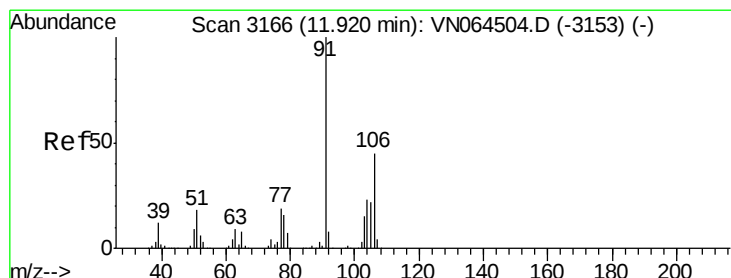
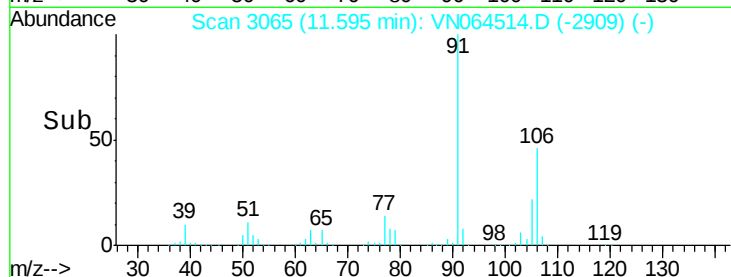
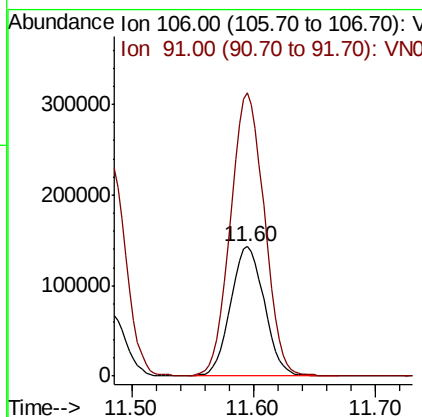
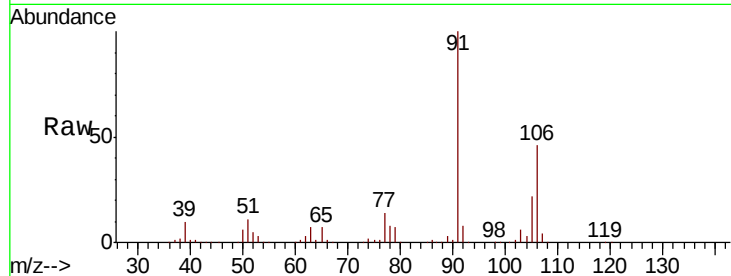
#67
m/p-Xvlenes
Concen: 38.900 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		274128		
91	219.3	168.8	253.2		

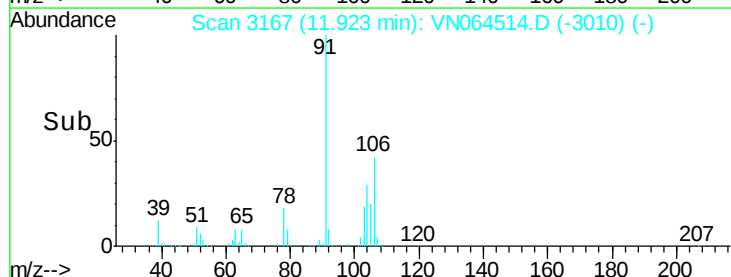
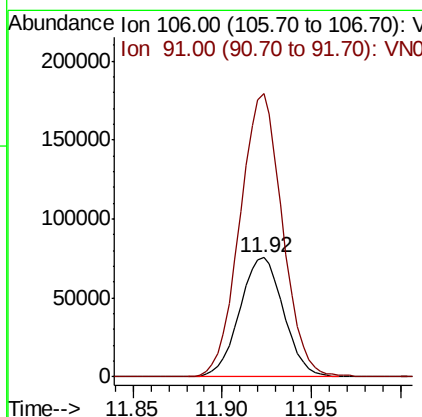
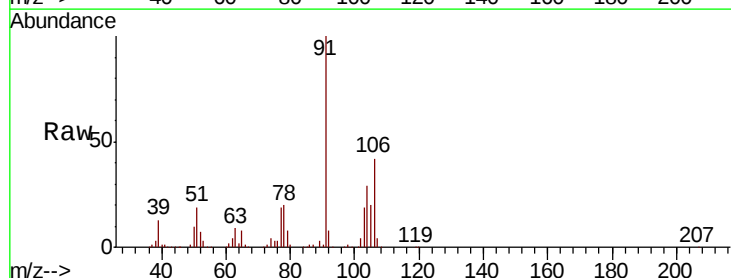
Manual Integrations
APPROVED

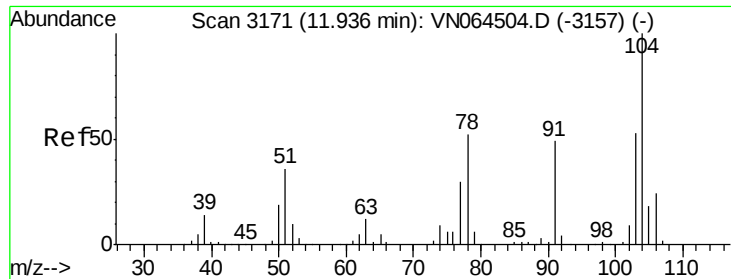
MMDadoda
11/10/2020 1:10:54 PM



#68
o-Xylene
Concen: 19.505 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		130076		
91	230.9	109.7	329.2		





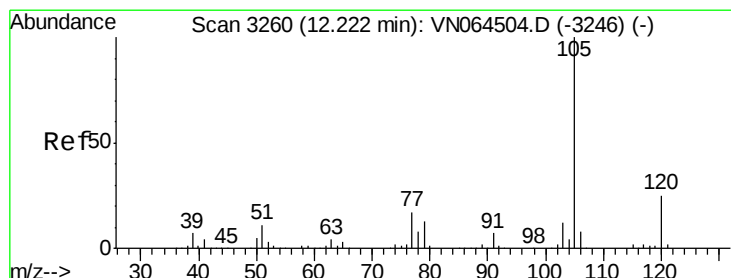
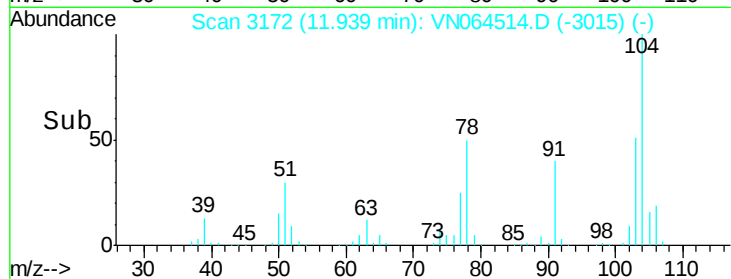
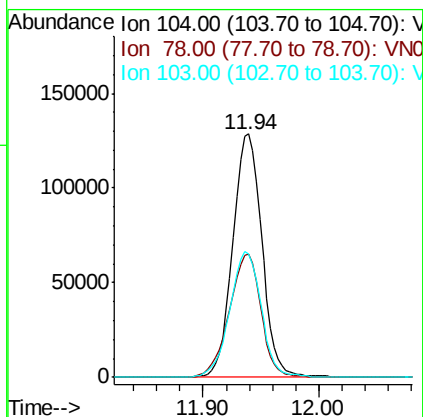
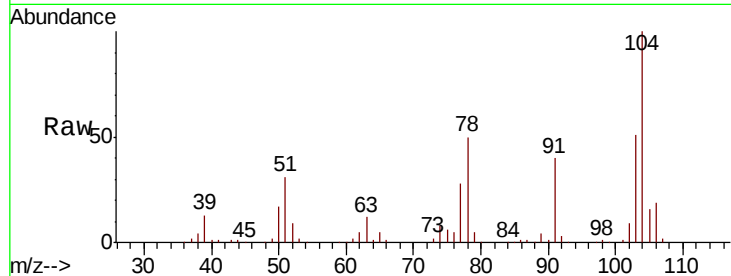
#69
Stvrene
Concen: 19.606 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.0	44.4	66.6
103	55.8	44.6	67.0

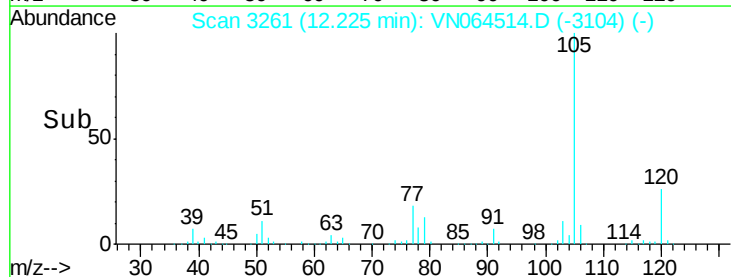
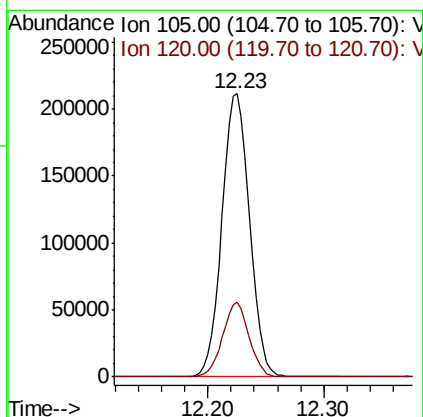
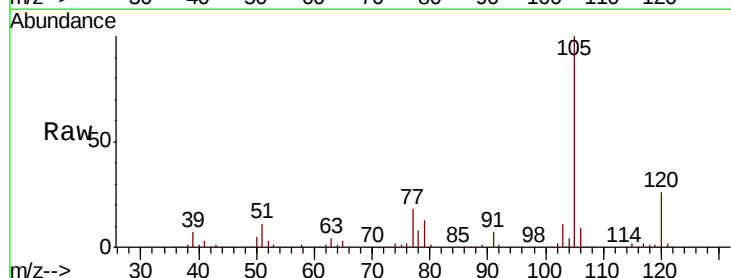
Manual Integrations
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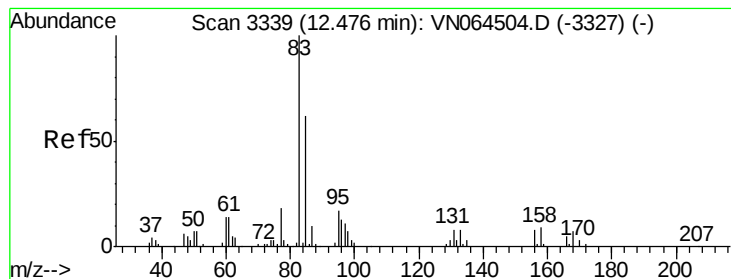
MMDadoda
11/10/2020 1:10:54 PM



#70
Isopropylbenzene
Concen: 19.889 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	17.9	33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 19.513 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

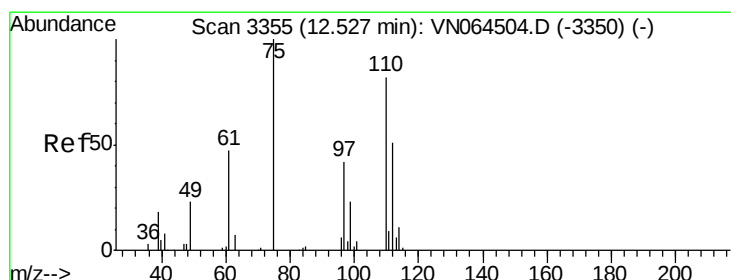
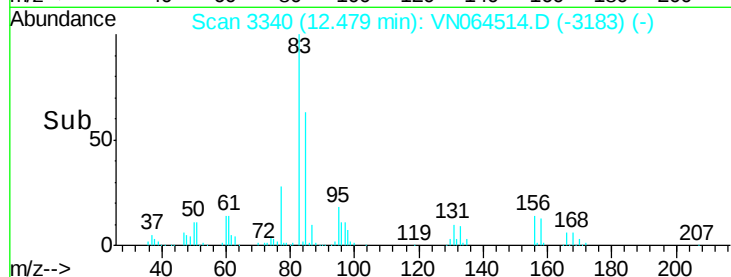
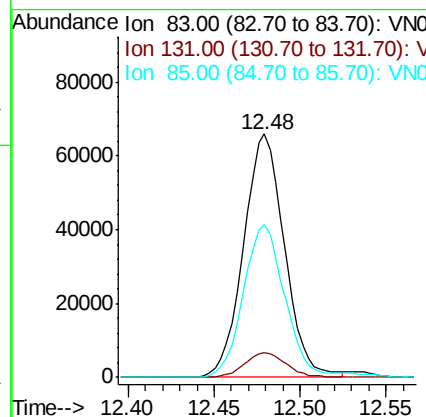
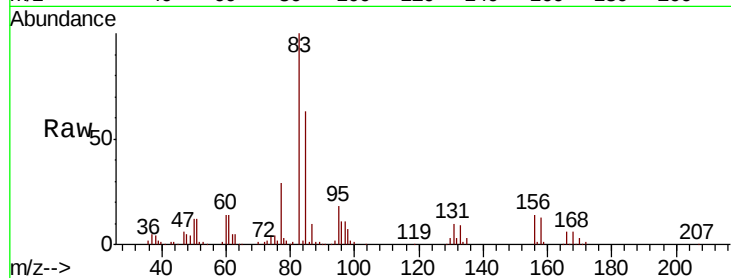
ClientSampleId :

VN1109WBSD01

Tot Ion:	83	Resp:	109075
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.6	13.8
85	63.0	31.4	94.0

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#72

1,2,3-Trichloropropane

Concen: 18.110 ug/l m

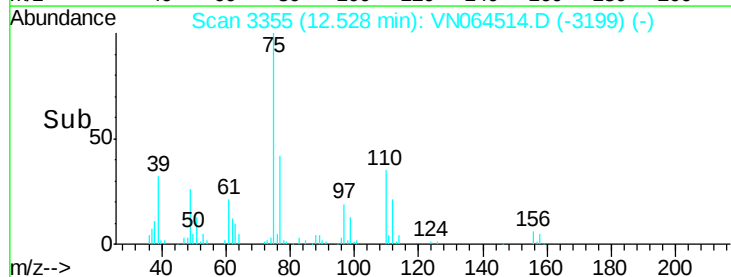
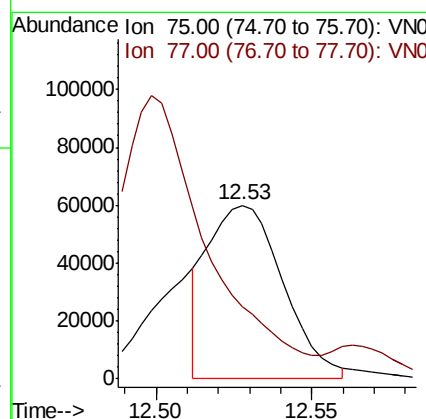
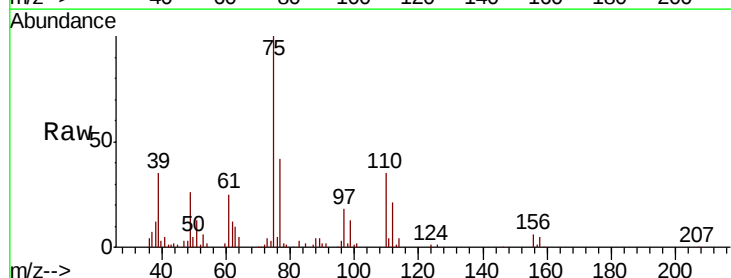
RT: 12.53 min Scan# 3355

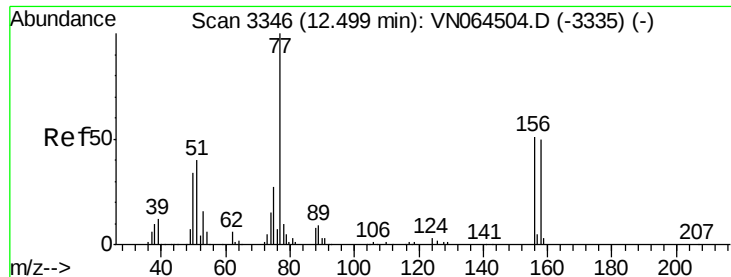
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion:	75	Resp:	100961
Ion Ratio	Lower	Upper	
75	100		
77	199.1	0.0	379.4





#73

Bromobenzene

Concen: 19.524 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

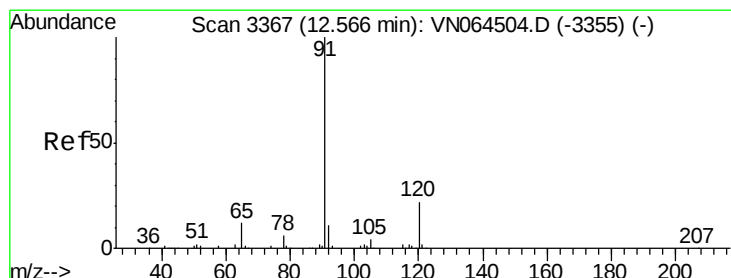
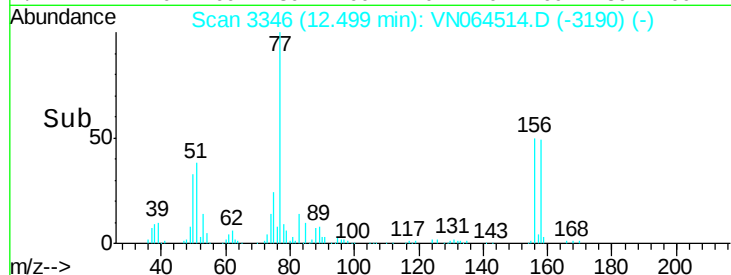
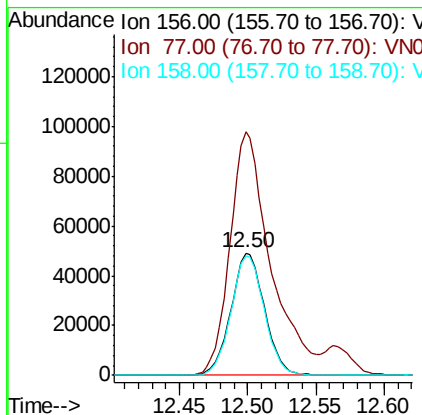
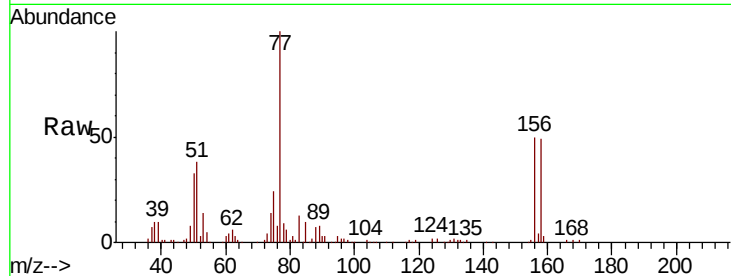
ClientSampleId :

VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.4	0.0	480.2
158	96.3	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 19.945 ug/l

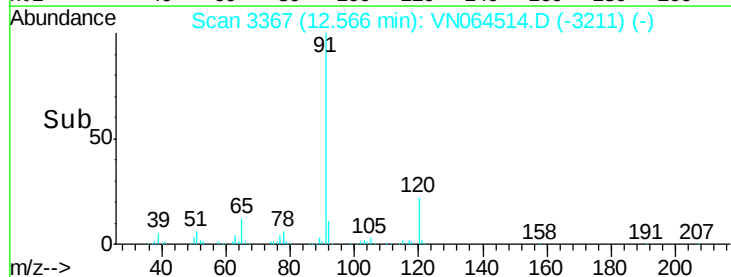
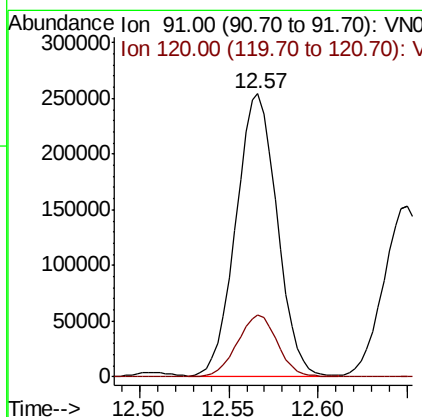
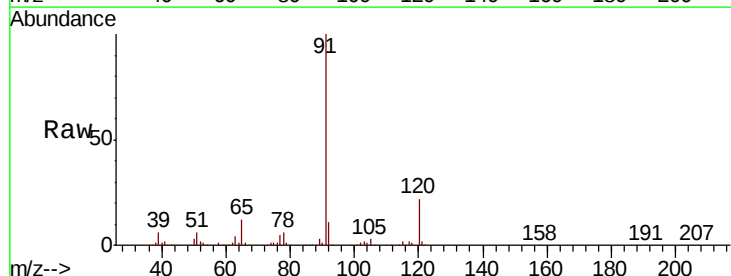
RT: 12.57 min Scan# 3367

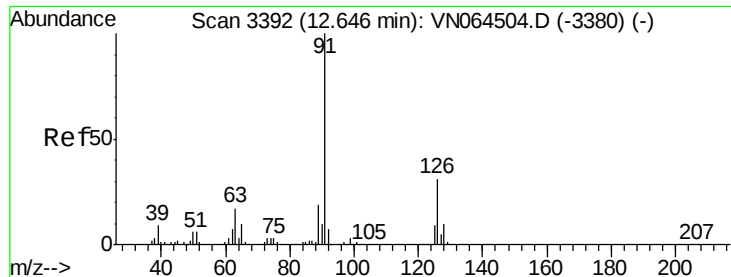
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	42.8





#75

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 91 Resp: 258987

Ion Ratio Lower Upper

91 100

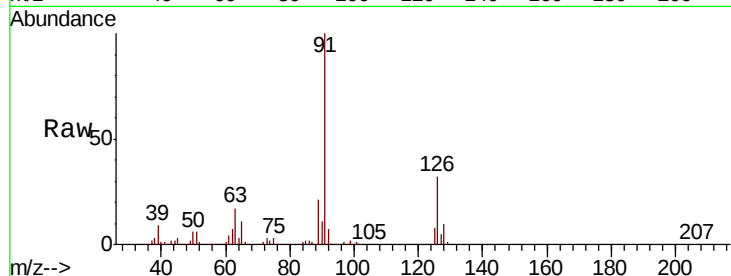
126 32.2 0.0 61.8

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Abundance Ion 91.00 (90.70 to 91.70): VN064514.D (-3236) (-)

Ion 126.00 (125.70 to 126.70): VN064514.D (-3236) (-)

12.65

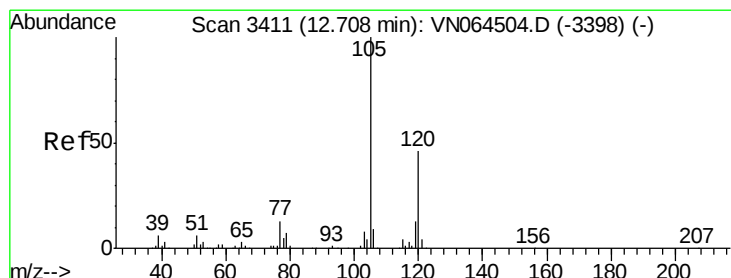
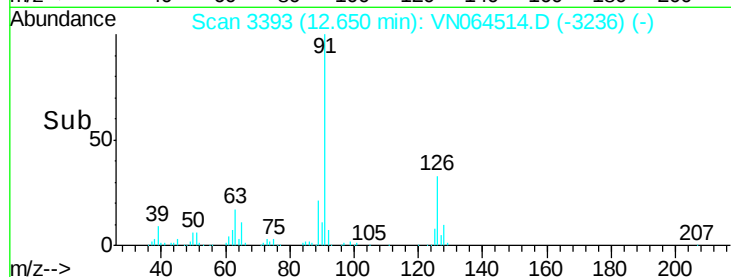
150000

100000

50000

0

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.670 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064514.D

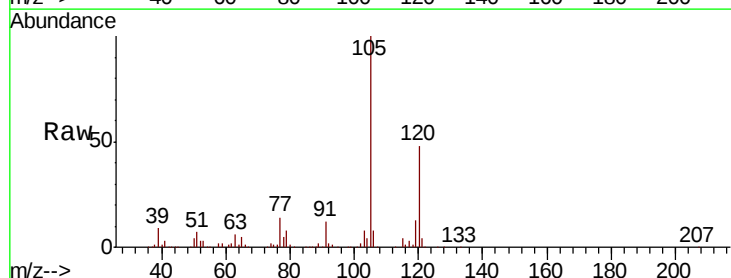
Acq: 9 Nov 2020 18:22

Tgt Ion: 105 Resp: 289837

Ion Ratio Lower Upper

105 100

120 47.7 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064514.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN064514.D (-3255) (-)

12.71

200000

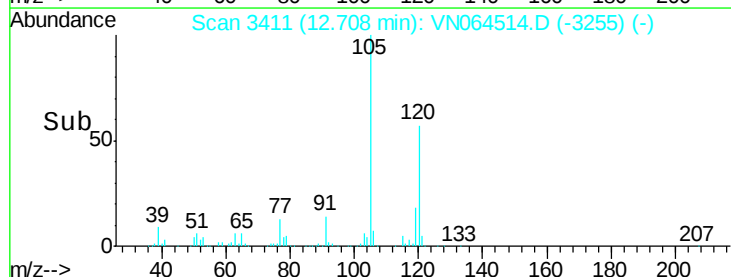
150000

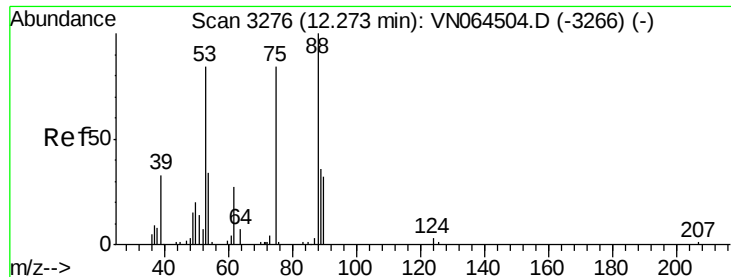
100000

50000

0

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.731 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

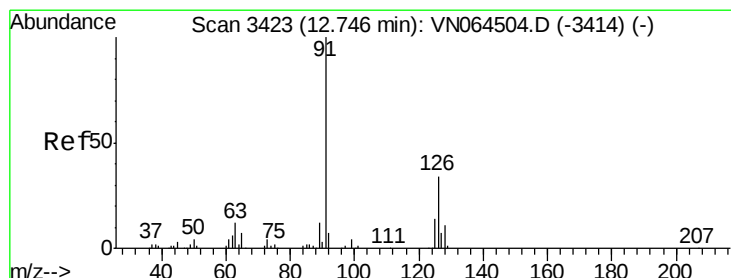
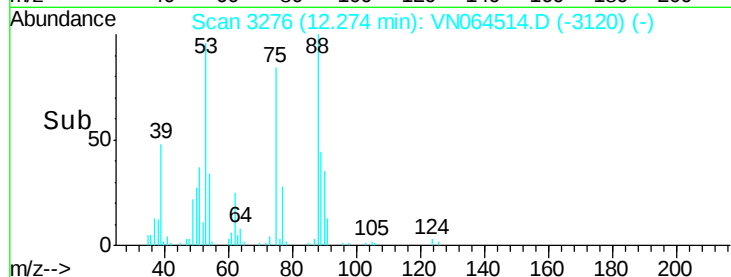
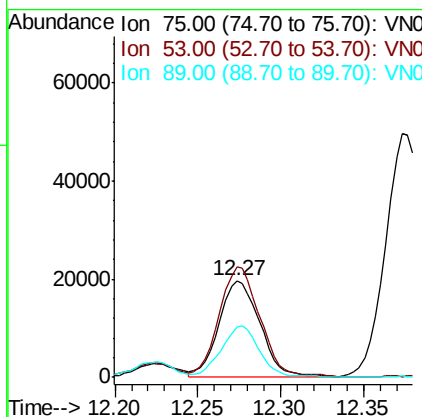
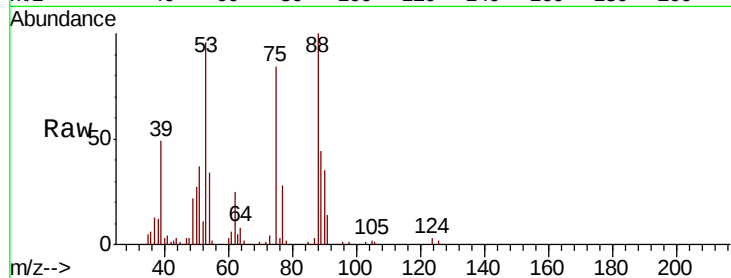
ClientSampleId :

VN1109WBSD01

Tot Ion:	75	Resp:	34007
Ion	Ratio	Lower	Upper
75	100		
53	115.1	50.3	150.9
89	52.4	23.3	69.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.462 ug/l

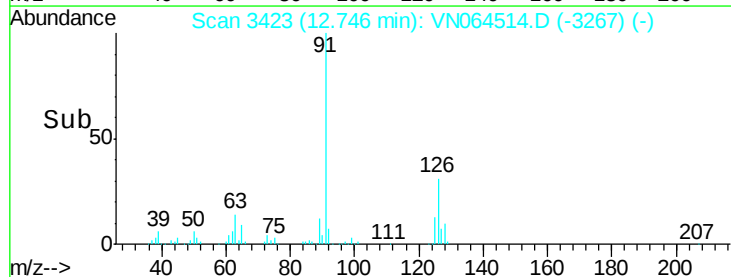
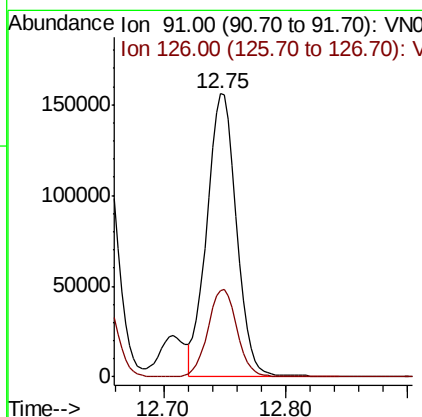
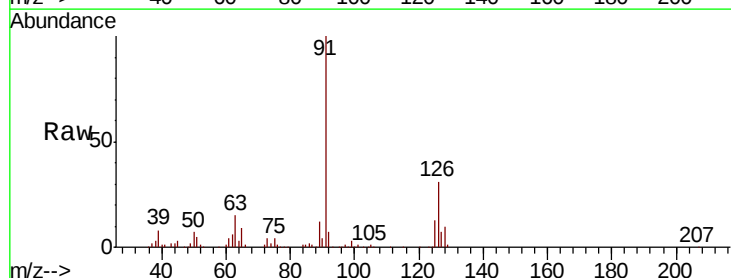
RT: 12.75 min Scan# 3423

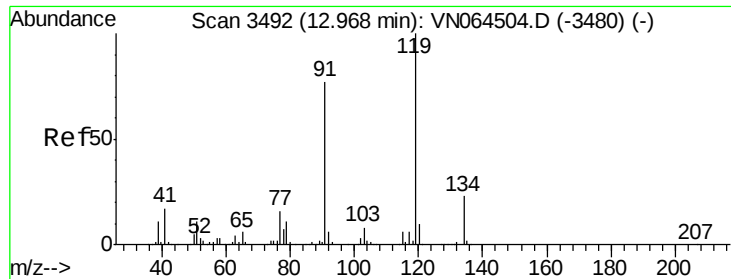
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion:	91	Resp:	263991
Ion	Ratio	Lower	Upper
91	100		
126	30.2	0.0	61.8





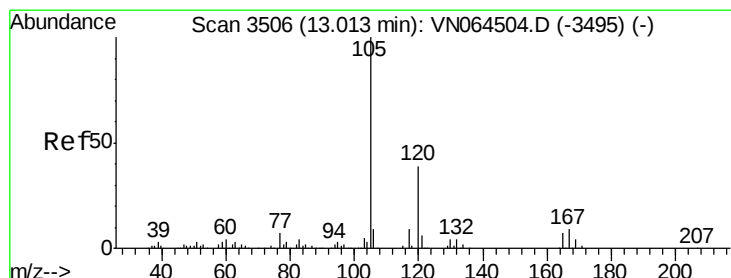
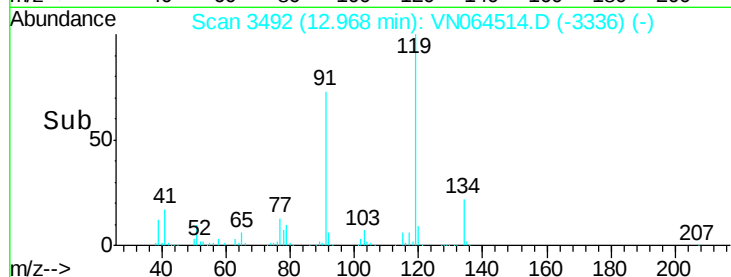
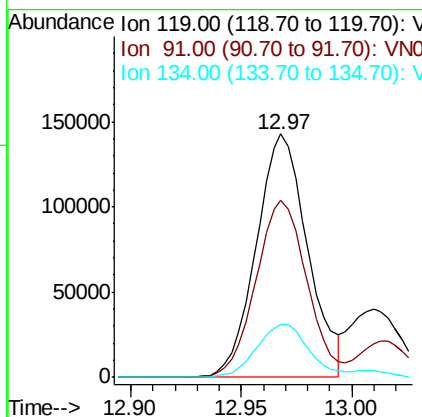
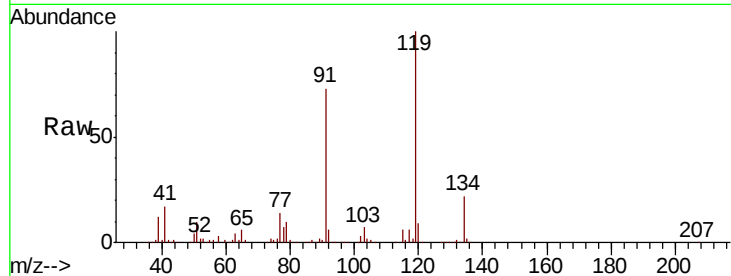
#79
tert-butylbenzene
Concen: 19.918 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230330		
91	72.0	0.0	147.8	
134	22.1	0.0	50.6	

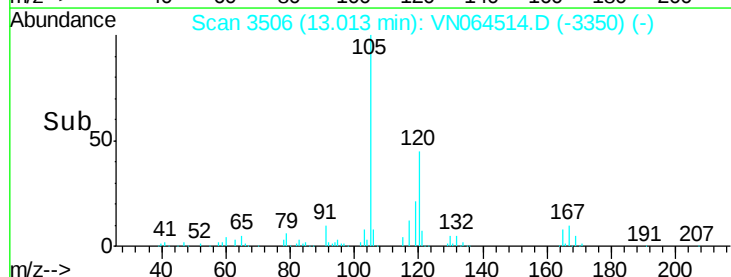
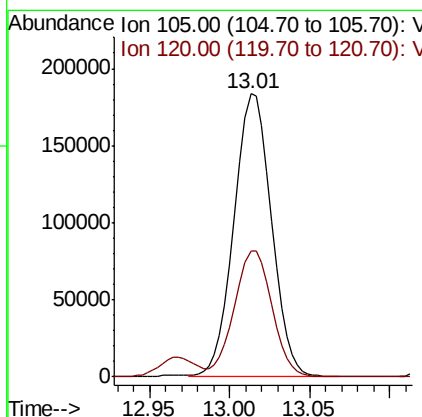
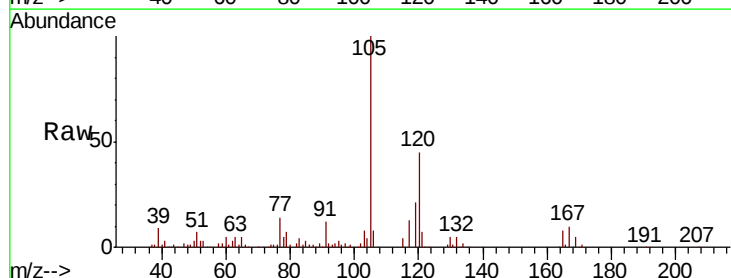
Manual Integrations
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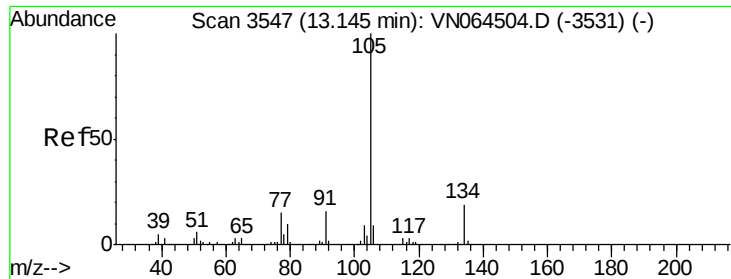
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.710 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	292676		
120	45.0	0.0	88.6	





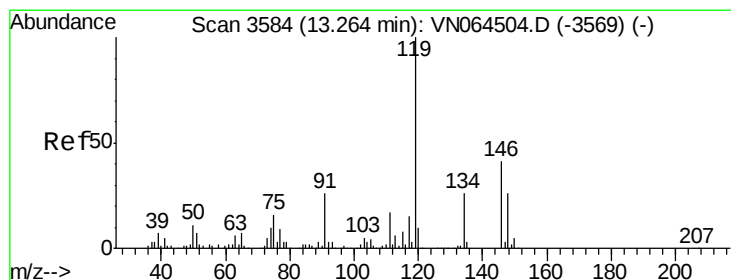
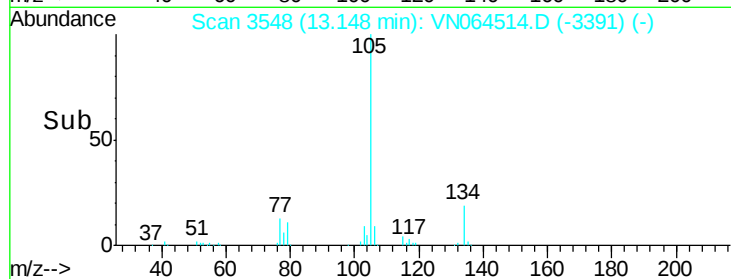
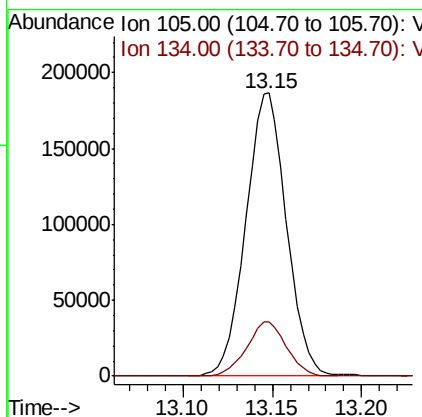
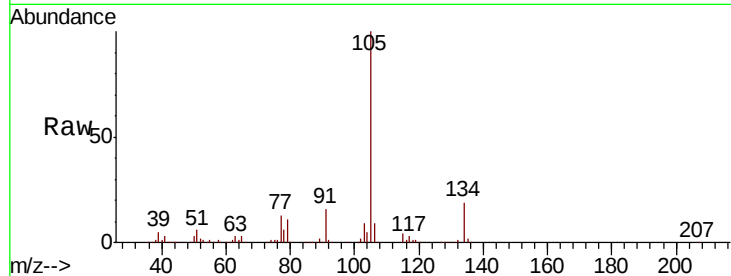
#81
 sec-Butylbenzene
 Concen: 19.257 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	295182		
134	19.0	0.0	37.8	

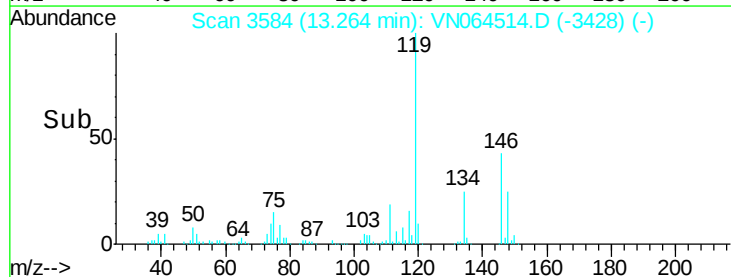
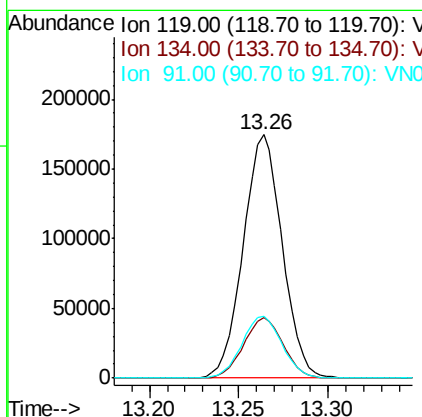
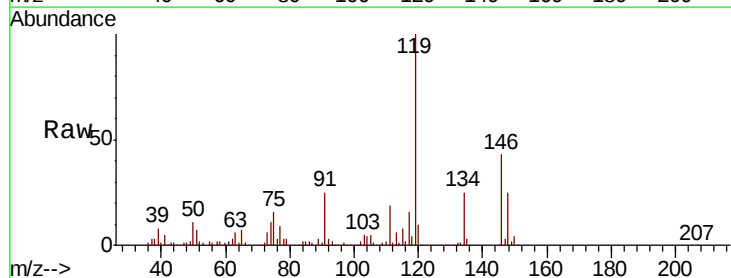
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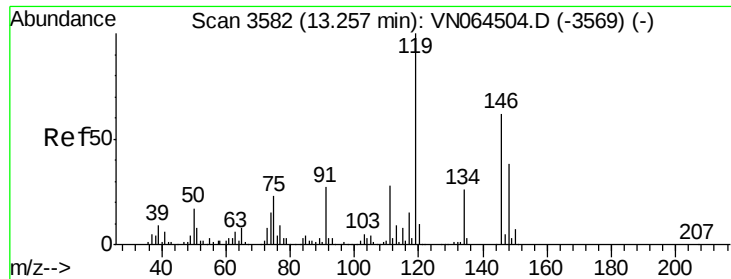
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.530 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267443		
134	25.2	0.0	53.0	
91	26.2	0.0	53.2	





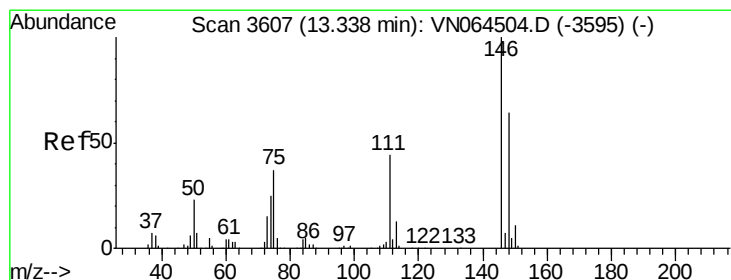
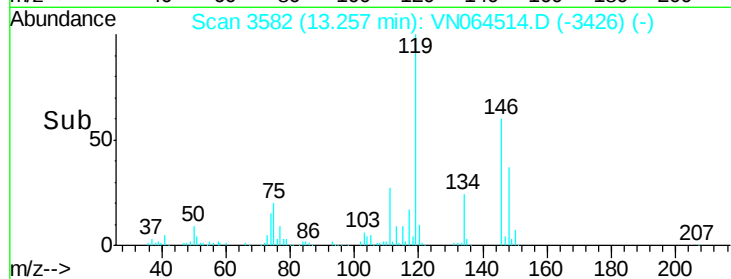
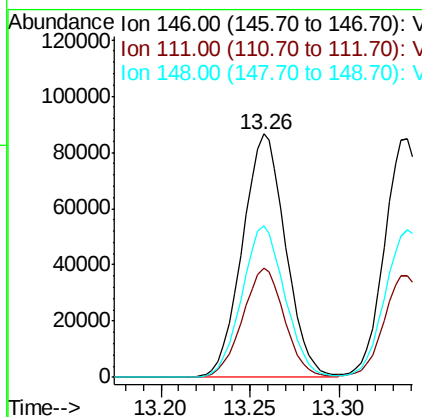
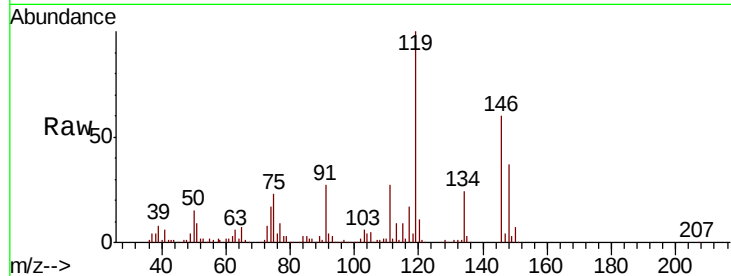
#83
 1,3-Dichlorobenzene
 Concen: 19.334 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.3	66.9
148	62.0	31.8	95.3

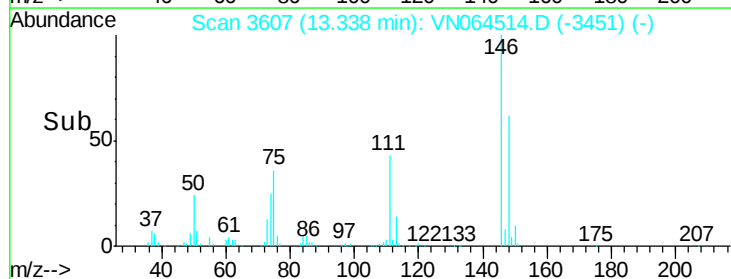
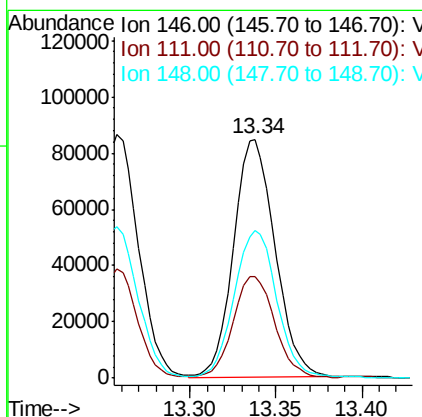
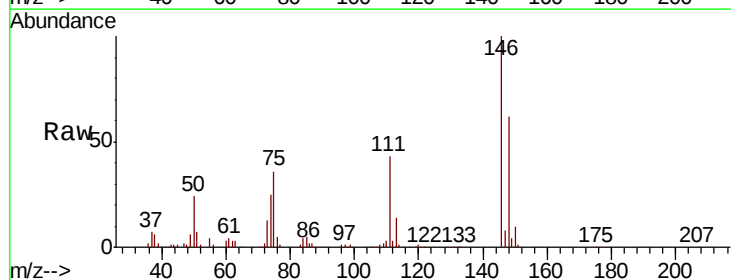
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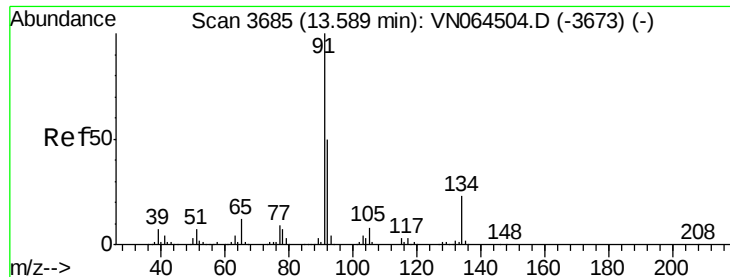
MMDadoda
 11/10/2020 1:10:54 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.732 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.7	31.5	94.5





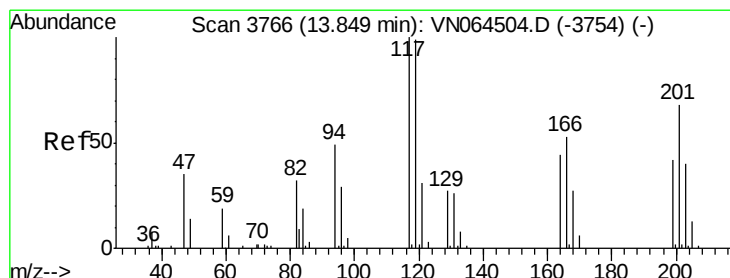
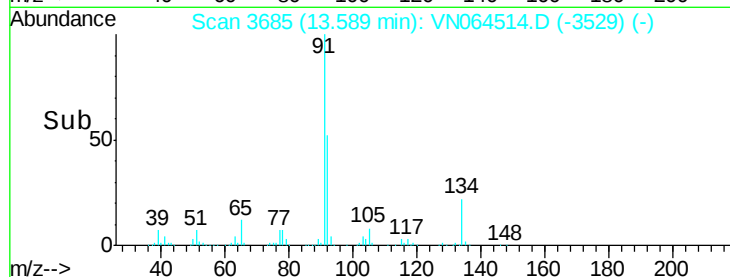
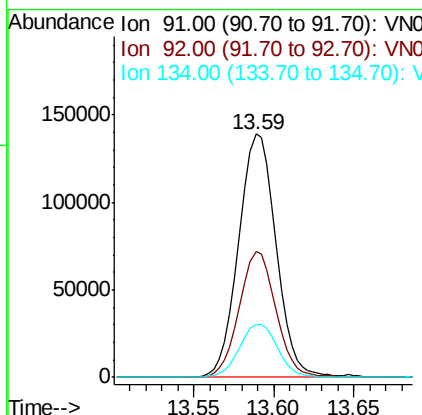
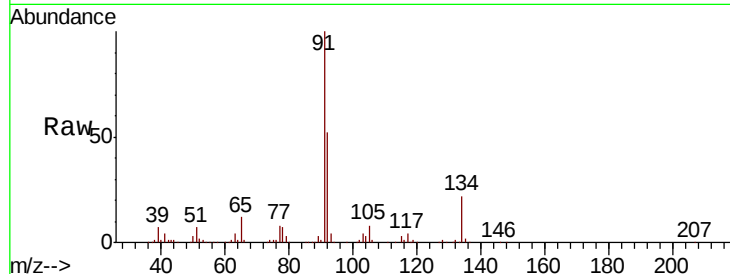
#85
n-Butylbenzene
Concen: 18.691 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	221907		
92	50.9		0.0	101.4
134	22.4		0.0	45.2

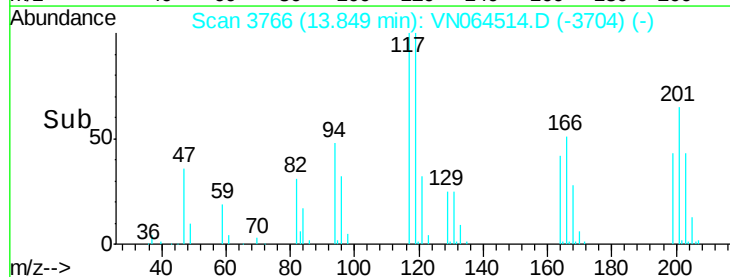
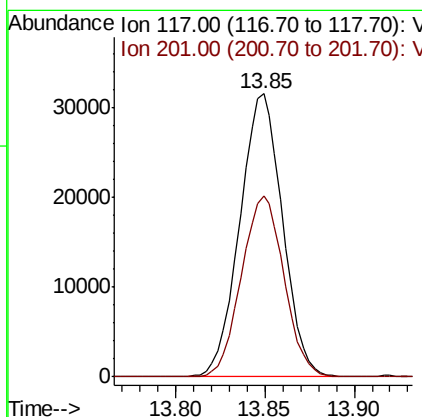
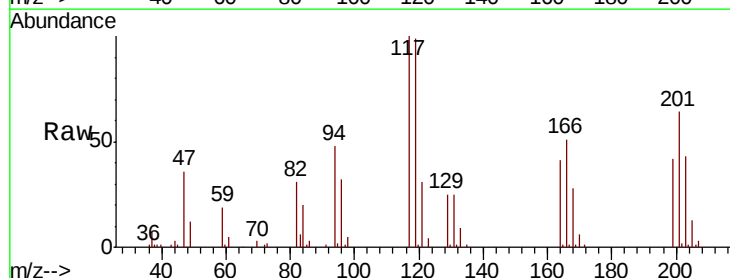
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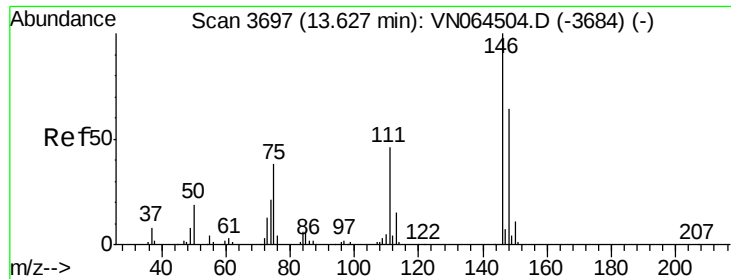
MMDadoda
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#86
Hexachloroethane
Concen: 19.371 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52861		
201	63.6		33.1	99.3





#87

1,2-Dichlorobenzene

Concen: 19.806 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Instrument :

MSVOA_N

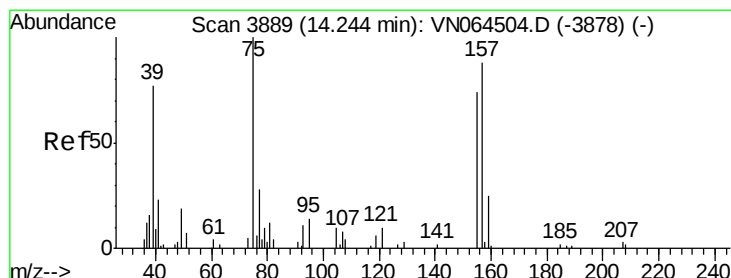
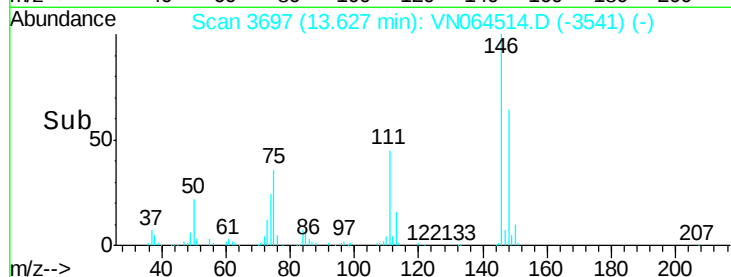
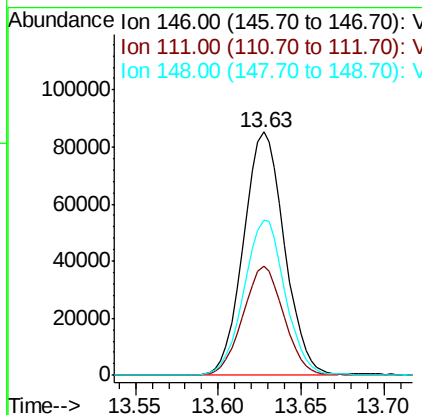
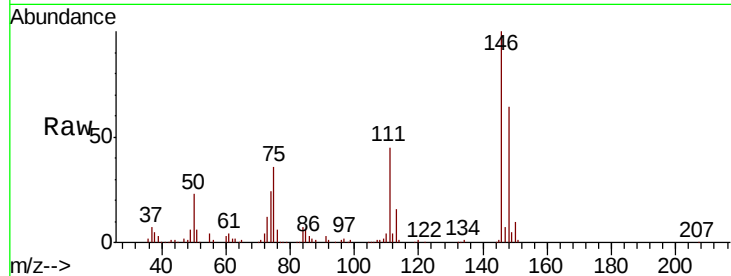
ClientSampleId :

VN1109WBSD01

Tot Ion:	146	Resp:	146534
Ion Ratio	Lower	Upper	
146	100		
111	44.9	23.1	69.2
148	64.5	32.6	97.8

Manual Integrations
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11/10/2020 1:10:54 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.258 ug/l

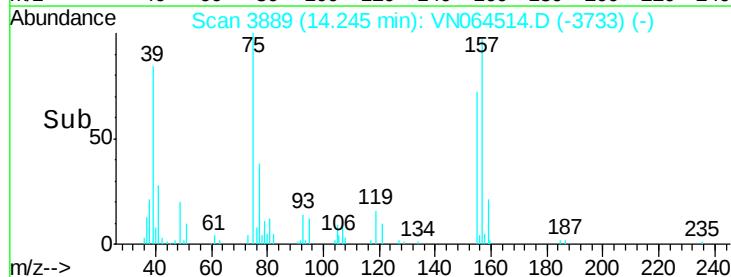
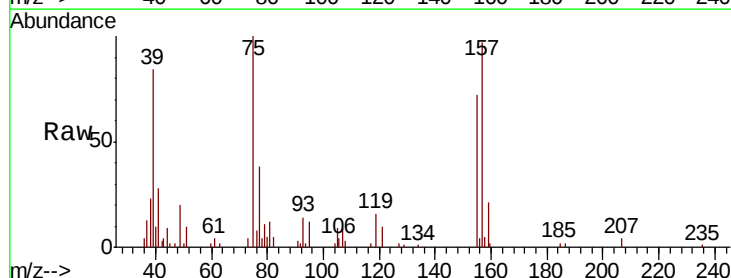
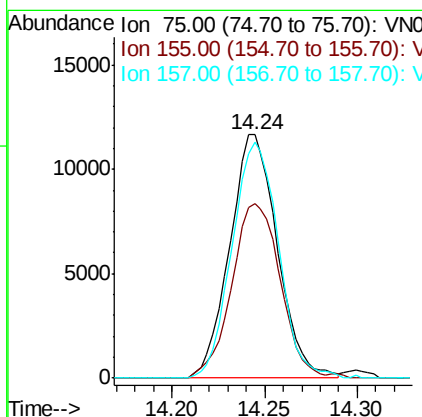
RT: 14.24 min Scan# 3889

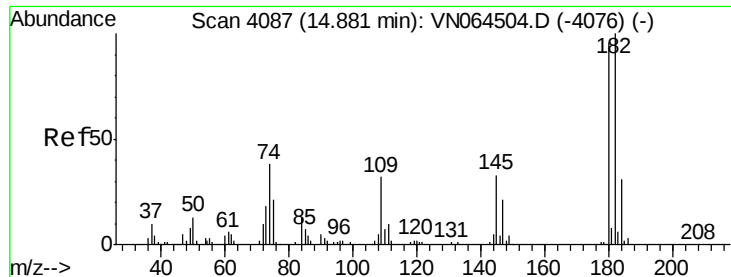
Delta R.T. 0.00 min

Lab File: VN064514.D

Acq: 9 Nov 2020 18:22

Tgt Ion:	75	Resp:	20842
Ion Ratio	Lower	Upper	
75	100		
155	72.8	56.5	84.7
157	94.3	69.7	104.5





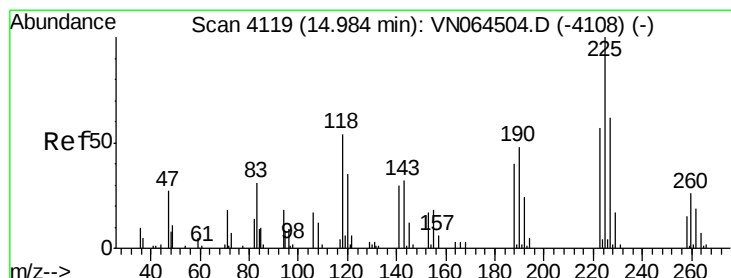
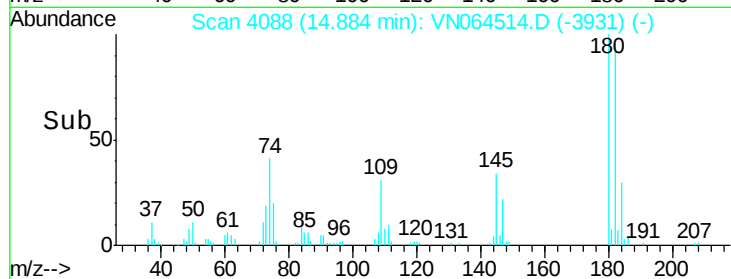
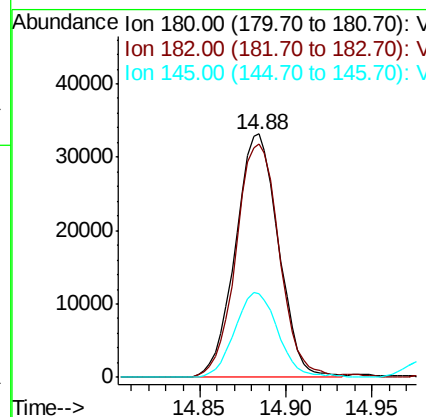
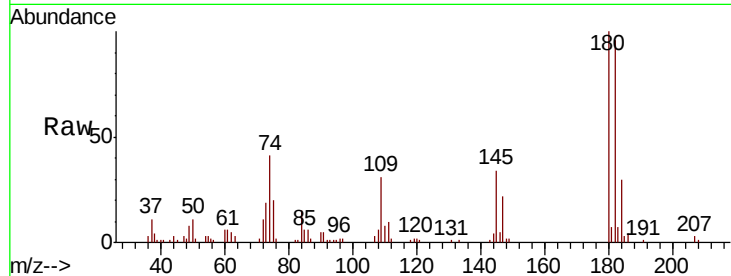
#89
 1,2,4-Trichlorobenzene
 Concen: 17.206 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	79.4	119.0
145	35.0	27.6	41.4

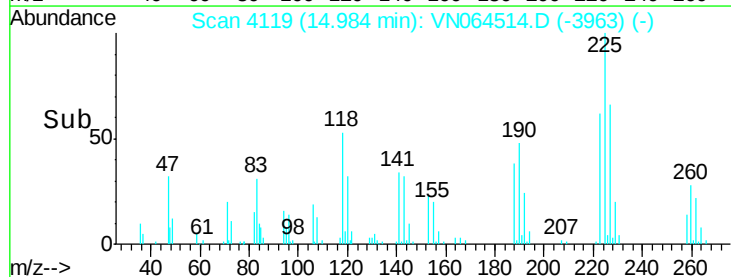
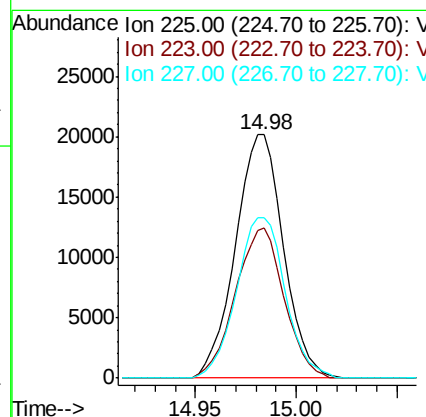
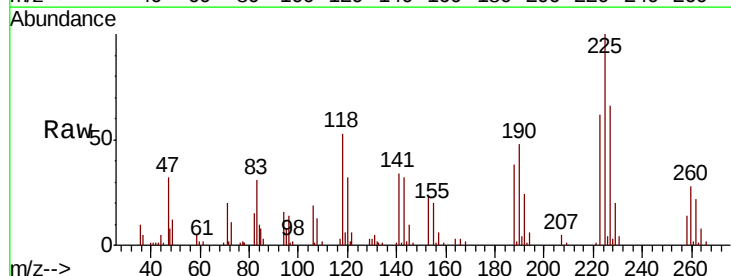
Manual Integrations
 APPROVED

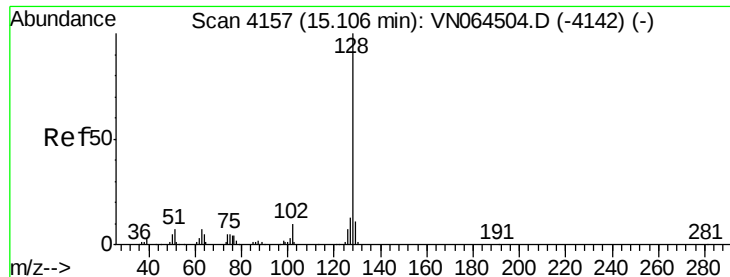
MMDadoda
 11/10/2020 1:10:54 PM



#90
 Hexachlorobutadiene
 Concen: 20.081 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064514.D
 Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.4
227	67.1	0.0	122.0





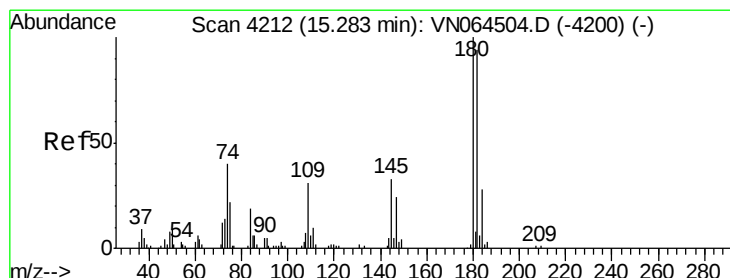
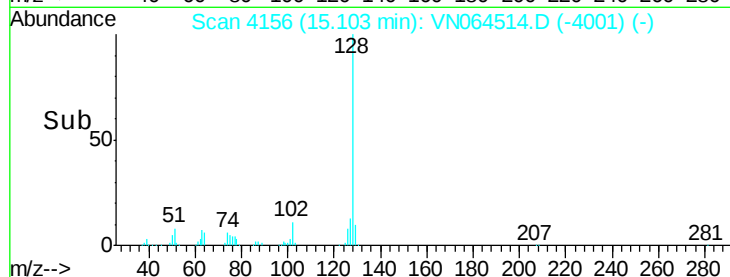
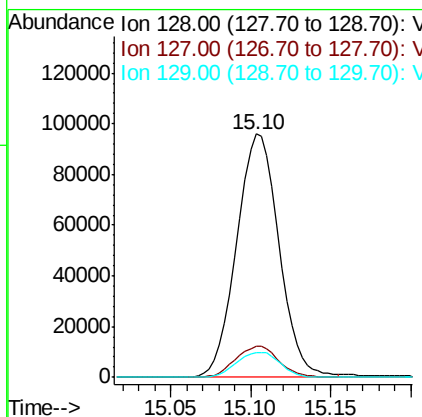
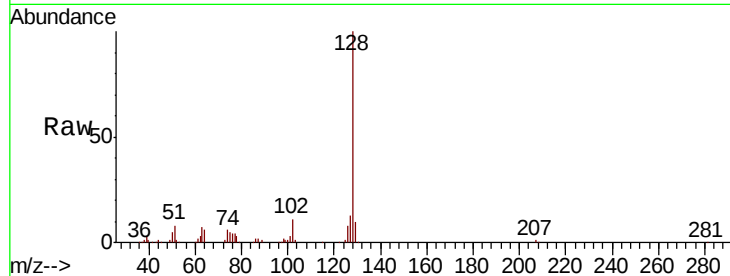
#91
Naphthalene
Concen: 15.618 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:10:54 PM



#92
1,2,3-Trichlorobenzene
Concen: 17.725 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064514.D
Acq: 9 Nov 2020 18:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	0.0	186.0
145	34.1	0.0	69.6

