

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064511.D
 Acq On : 9 Nov 2020 17:10
 Operator : JC/MD
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:42 PM

Quant Time: Nov 10 03:48:55 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	59920	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	325940	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	299712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	164574	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.38	95	152233	29.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.83%
63) Toluene-d8	10.06	98	418042	29.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	83435	20.791	ug/l 97
3) Chloromethane	2.04	50	96285	21.027	ug/l 99
4) Vinyl Chloride	2.17	62	99740	20.102	ug/l 99
5) Bromomethane	2.54	94	65128	20.056	ug/l 92
6) Chloroethane	2.68	64	64233	20.731	ug/l 99
7) Trichlorofluoromethane	2.99	101	151366	21.068	ug/l 91
8) Diethyl Ether	3.37	74	51900	20.227	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	71761	21.222	ug/l 51
10) 1,1-Dichloroethene	3.70	96	65915	20.377	ug/l 96
11) Methyl Iodide	3.91	142	78754	19.748	ug/l 96
12) Methyl Acetate	4.28	43	82730	20.977	ug/l 99
13) Acrolein	3.56	56	51416	128.918	ug/l 100
14) Acrylonitrile	4.94	53	175010	99.776	ug/l 69
15) Acetone	3.78	58	53933	93.170	ug/l 88
16) Carbon Disulfide	4.01	76	193818	19.744	ug/l 100
17) Allyl chloride	4.28	41	123964	20.397	ug/l 95
18) Methylene Chloride	4.50	84	79286	20.642	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	72189	19.691	ug/l 99
20) Diisopropyl ether	5.90	45	268654	20.301	ug/l 95
21) 1,1-Dichloroethane	5.79	63	150841	20.728	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	82938	19.961	ug/l 99
23) tert-Butyl Alcohol	4.75	59	59862	99.670	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	234165	20.467	ug/l # 70
25) Chloroform	7.33	83	155087	20.281	ug/l 96
26) Cyclohexane	7.61	56	109842	19.551	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	109047	19.279	ug/l 100
30) 2-Butanone	6.79	43	260864	93.166	ug/l # 80
31) 2,2-Dichloropropane	6.78	77	134005	19.945	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	137971	19.886	ug/l 99
33) Carbon Tetrachloride	7.73	117	122394	19.754	ug/l 100
34) Benzene	8.00	78	324243	19.798	ug/l 96
35) Methacrylonitrile	7.13	41	53229	20.321	ug/l 95
36) 1,2-Dichloroethane	8.09	62	136516	20.312	ug/l # 91
37) Trichloroethene	8.80	130	82256	19.864	ug/l 98
38) Methylcyclohexane	9.05	83	97133	18.986	ug/l 97
39) 1,2-Dichloropropane	9.08	63	87423	19.866	ug/l 100
40) Dibromomethane	9.17	93	61477	20.708	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127980	19.890	ug/l	99
42) Vinyl Acetate	5.85	43	1107579	98.809	ug/l	99
43) Ethyl Acetate	6.88	43	102781	18.865	ug/l	97
44) Isopropyl Acetate	8.13	43	181945	19.346	ug/l	93
45) 1,4-Dioxane	9.17	88	24889	377.514	ug/l	97
46) Methyl methacrylate	9.17	41	94429	20.189	ug/l	99
47) n-amyl Acetate	12.05	43	146509	18.008	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	132885	19.489	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	141234	19.713	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	79784	19.602	ug/l	97
51) Ethyl methacrylate	10.40	69	109484	18.771	ug/l	96
52) 1,3-Dichloropropane	10.68	76	142139	20.328	ug/l	97
53) Dibromochloromethane	10.87	129	90268	19.365	ug/l	100
54) 1,2-Dibromoethane	10.98	107	84124	20.207	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	276115	90.462	ug/l	99
56) Bromoform	12.10	173	56406	18.440	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	550982	100.108	ug/l	99
59) 2-Hexanone	10.72	43	407040	98.189	ug/l	99
61) Tetrachloroethene	10.60	164	78849	21.047	ug/l	93
62) Toluene	10.13	91	352299	20.016	ug/l	98
64) Chlorobenzene	11.41	112	209939	20.066	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	83148	20.329	ug/l	97
66) Ethyl Benzene	11.48	91	373724	19.674	ug/l	100
67) m/p-Xylenes	11.59	106	274139	39.100	ug/l	99
68) o-Xylene	11.92	106	129508	19.519	ug/l	95
69) Styrene	11.94	104	220457	19.402	ug/l	99
70) Isopropylbenzene	12.22	105	344693	19.848	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	110440	19.858	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	116393m	20.985	ug/l	
73) Bromobenzene	12.50	156	85350	19.867	ug/l	99
74) n-propylbenzene	12.57	91	407300	19.939	ug/l	98
75) 2-Chlorotoluene	12.65	91	252882	19.689	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	290566	19.820	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	36898	18.246	ug/l	97
78) 4-Chlorotoluene	12.75	91	260784	19.324	ug/l	100
79) tert-butylbenzene	12.97	119	226716	19.706	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	291880	19.757	ug/l	98
81) sec-Butylbenzene	13.15	105	295110	19.350	ug/l	98
82) p-Isopropyltoluene	13.26	119	264933	19.445	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	149278	19.752	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	143899	19.144	ug/l	97
85) n-Butylbenzene	13.59	91	216198	18.303	ug/l	99
86) Hexachloroethane	13.85	117	51515	18.975	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	145762	19.802	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23359	19.441	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	58574	17.526	ug/l	98
90) Hexachlorobutadiene	14.98	225	33156	19.918	ug/l	96
91) Naphthalene	15.10	128	187620	16.970	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	62728	18.546	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Manual Integrations
APPROVED

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11/10/2020 1:10:42 PM

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QLast Update : Mon Nov 09 13:16:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

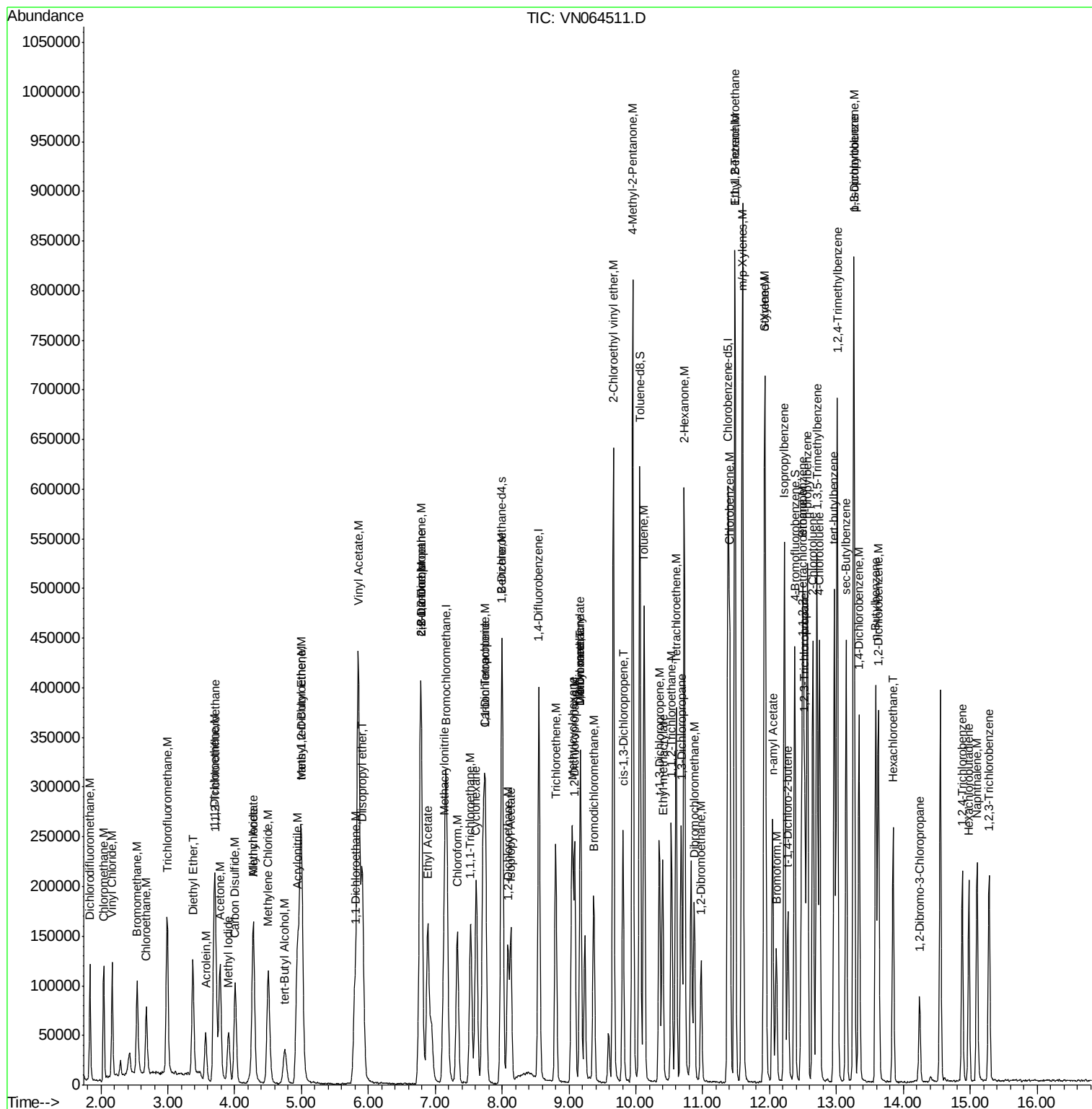
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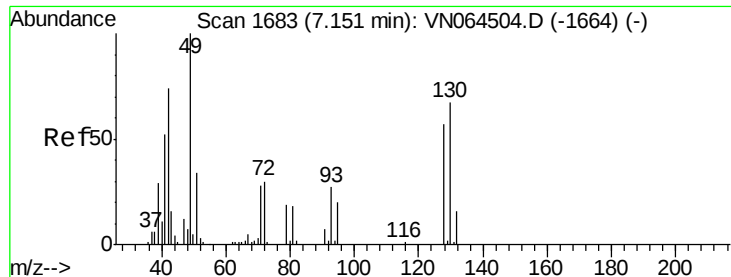
Instrument :
MSVOA_N
Client Sampled :
VN1109WBSD01

Manual Integrations
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11/10/2020 1:10:42 PM

Quant Time: Nov 10 03:48:55 2020
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

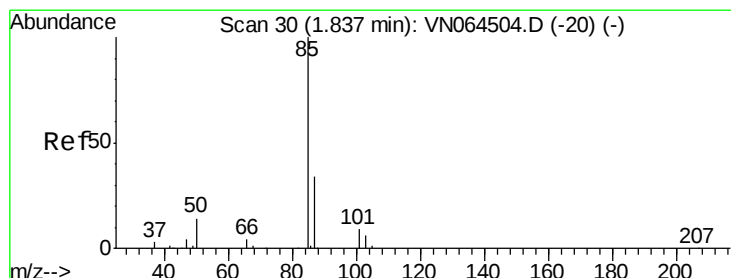
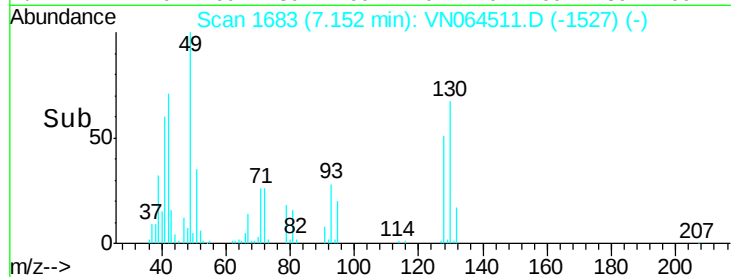
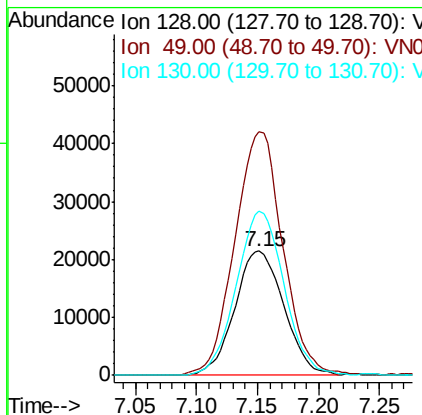
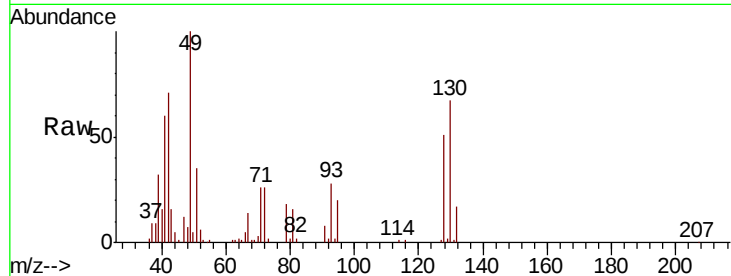
ClientSampleId :

VN1109WBSD01

Tot Ion:	128	Resp:	59920
Ion	Ratio	Lower	Upper
128	100		
49	191.4	0.0	475.5
130	128.5	0.0	315.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.791 ug/l

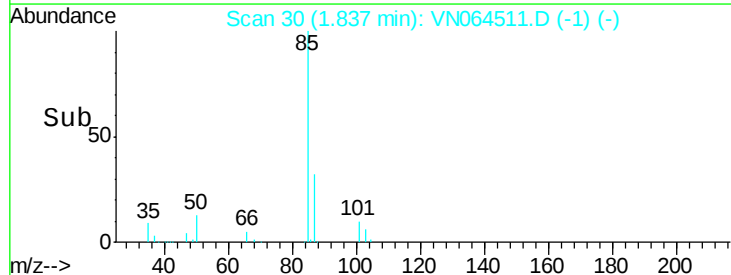
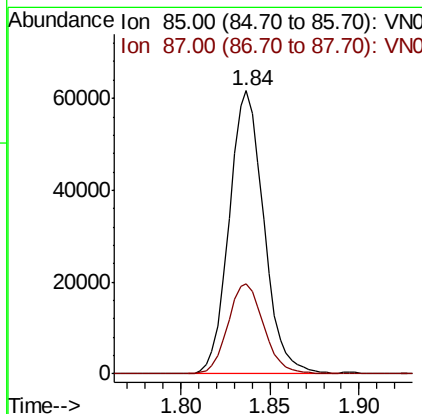
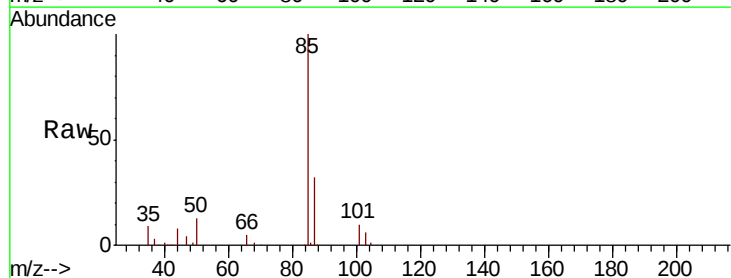
RT: 1.84 min Scan# 30

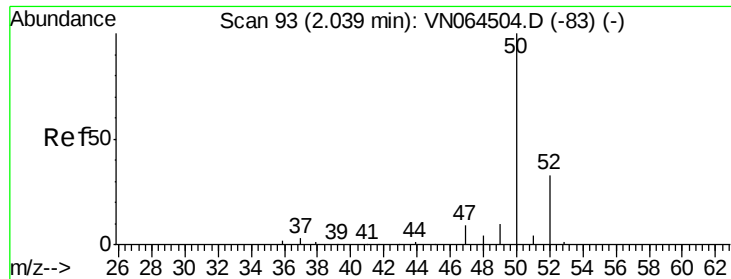
Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion:	85	Resp:	83435
Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.0	50.9





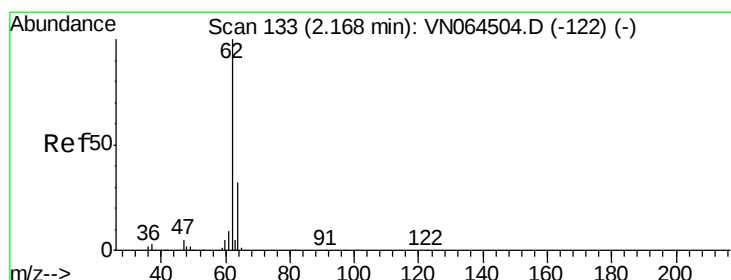
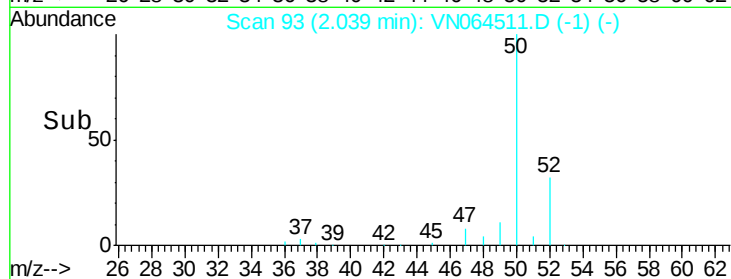
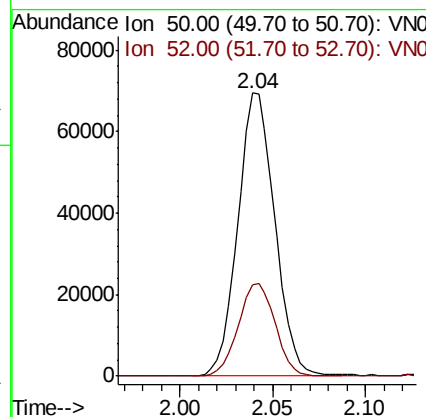
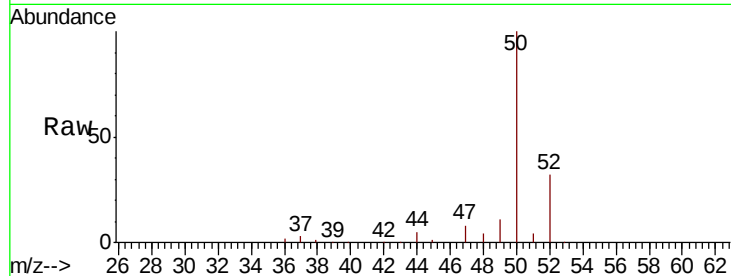
#3
Chloromethane
Concen: 21.027 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 50 Resp: 96285
Ion Ratio Lower Upper
50 100
52 32.1 26.0 39.0

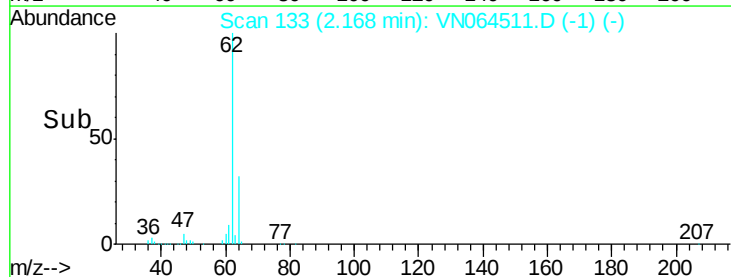
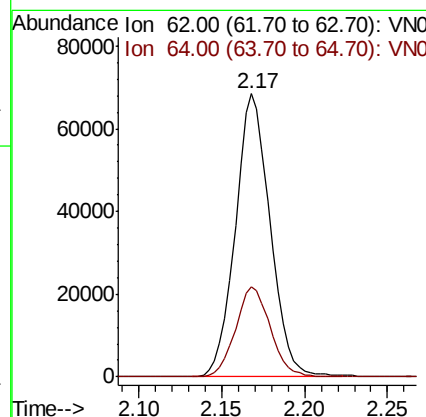
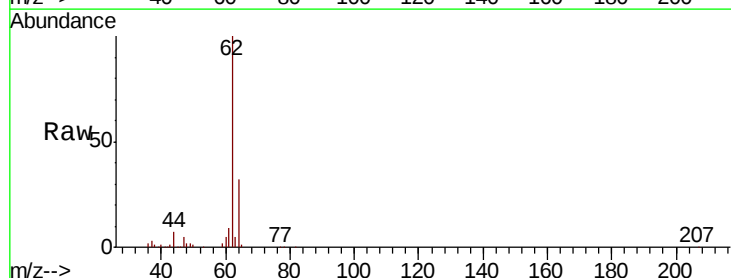
Manual Integrations
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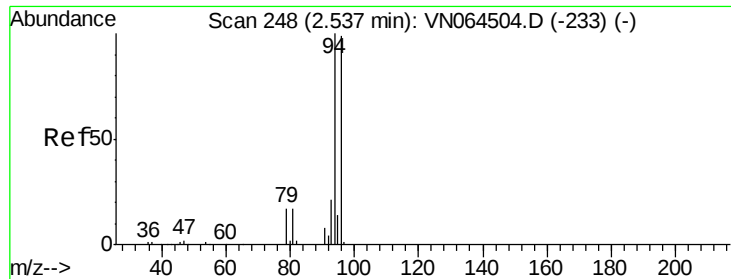
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#4
Vinyl Chloride
Concen: 20.102 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 62 Resp: 99740
Ion Ratio Lower Upper
62 100
64 31.8 25.8 38.8





#5

Bromomethane

Concen: 20.056 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 94 Resp: 65128

Ion Ratio Lower Upper

94 100

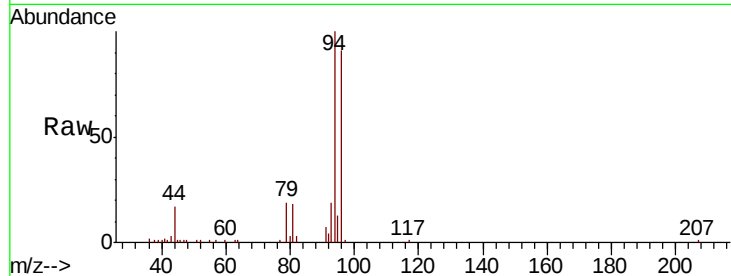
96 90.7 79.3 118.9

Manual Integrations

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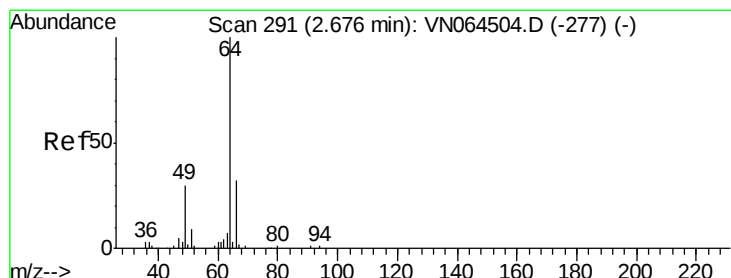
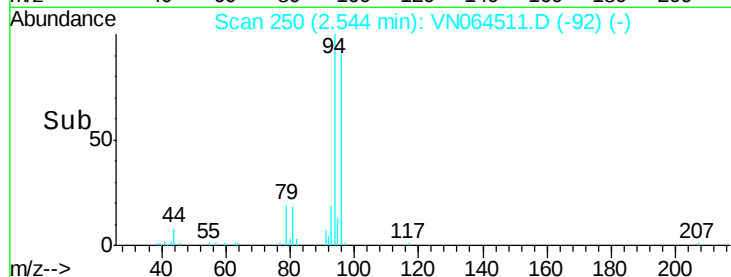
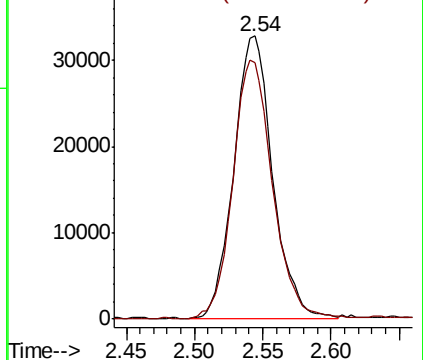
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.731 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064511.D

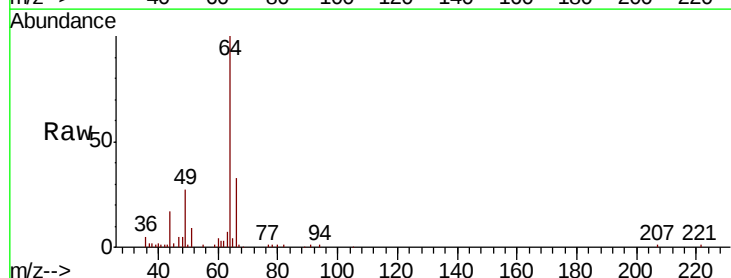
Acq: 9 Nov 2020 17:10

Tgt Ion: 64 Resp: 64233

Ion Ratio Lower Upper

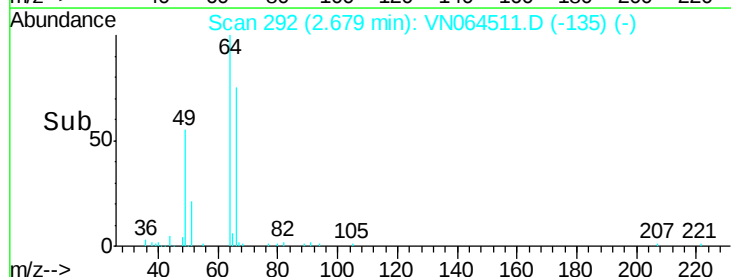
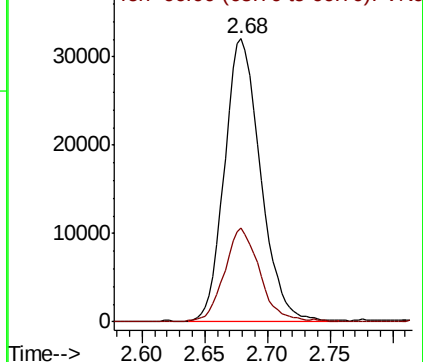
64 100

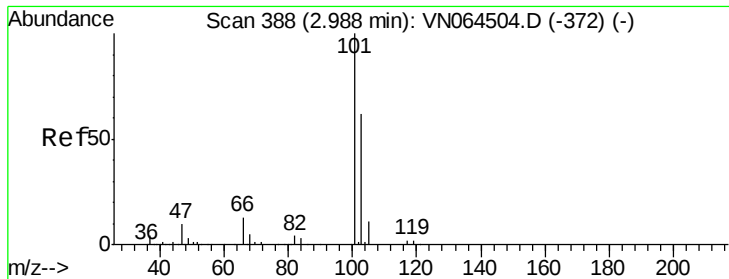
66 33.1 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

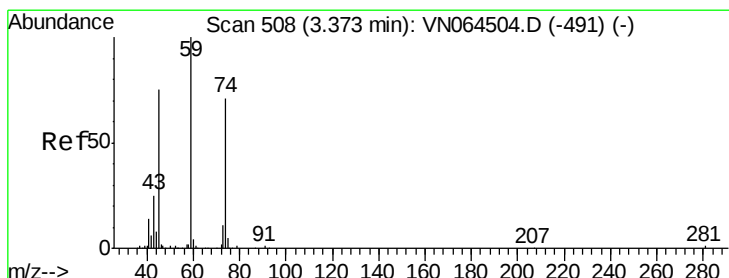
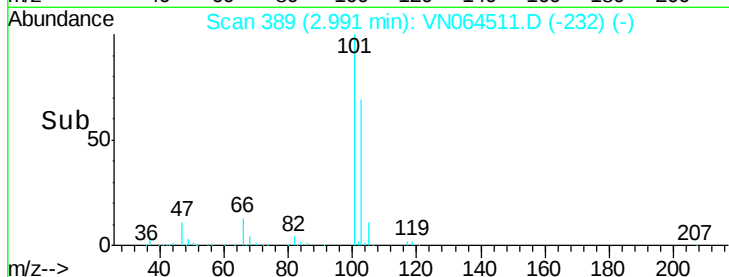
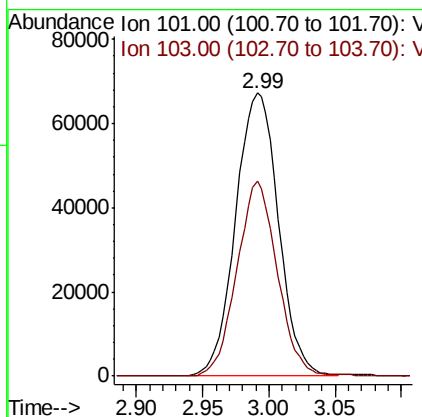
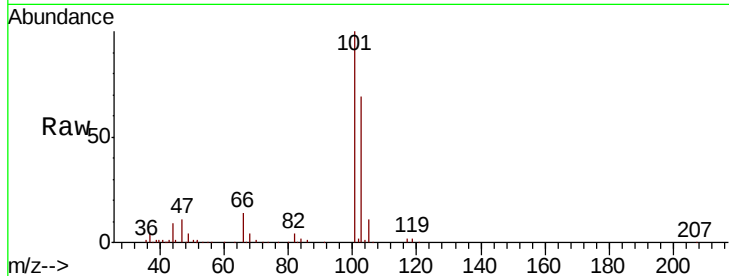
Trichlorofluoromethane
Concen: 21.068 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
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ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	49.3	73.9

Manual Integrations
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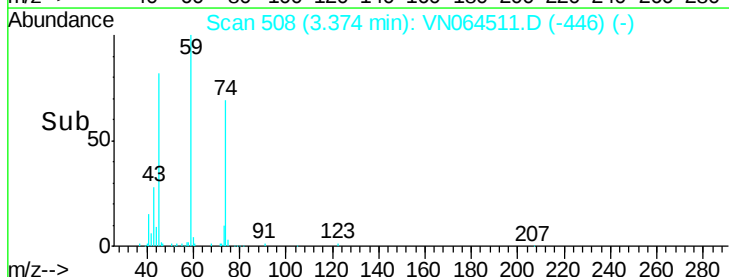
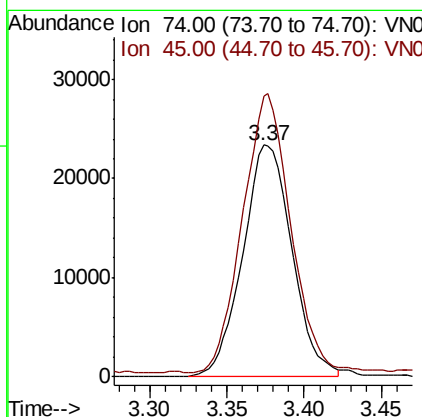
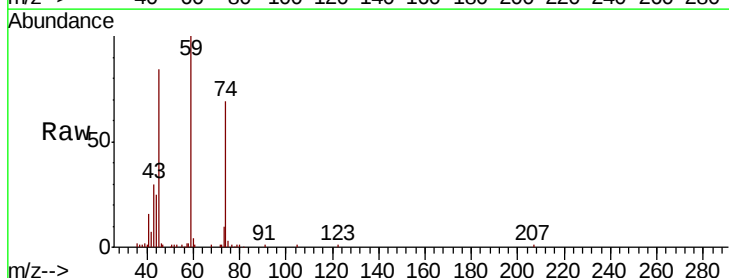
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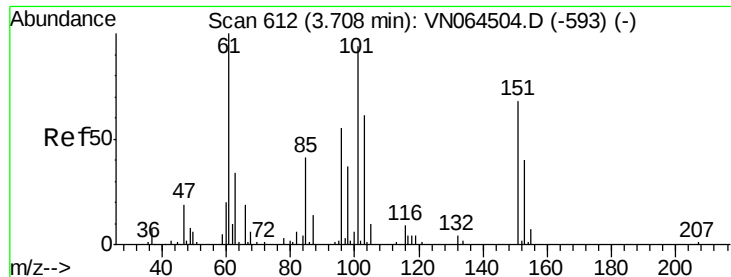


#8

Diethyl Ether
Concen: 20.227 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.5	22.1	198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.222 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

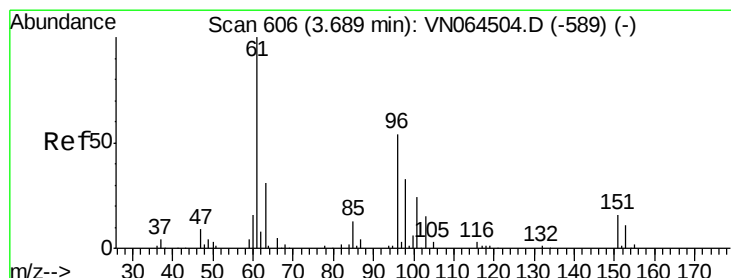
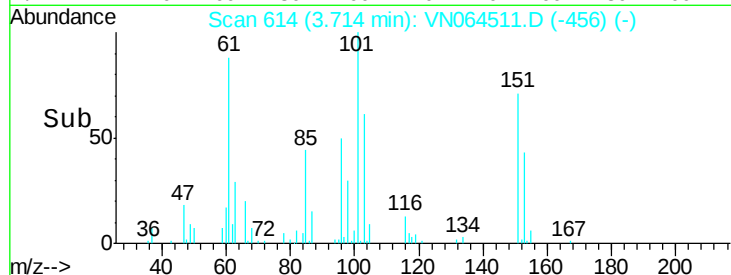
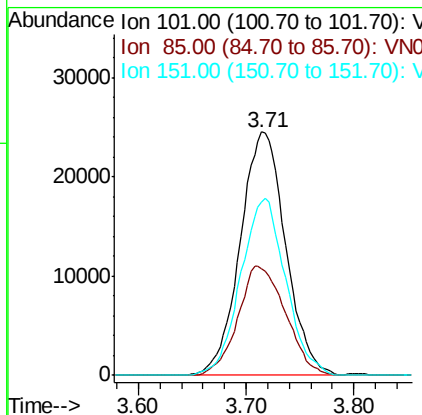
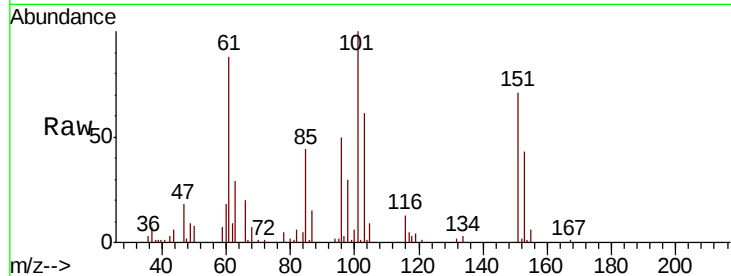
ClientSampleId :

VN1109WBSD01

Tot Ion:	101	Resp:	71761
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	49.0
151	72.0	0.0	80.2

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#10

1,1-Dichloroethene

Concen: 20.377 ug/l

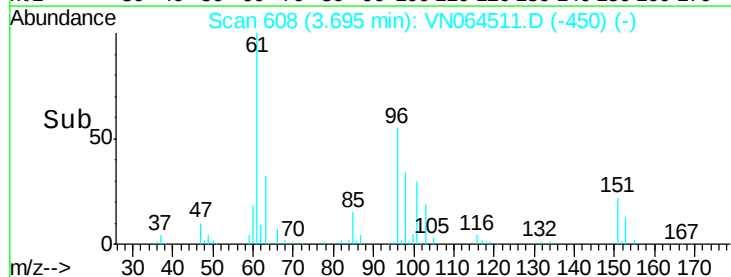
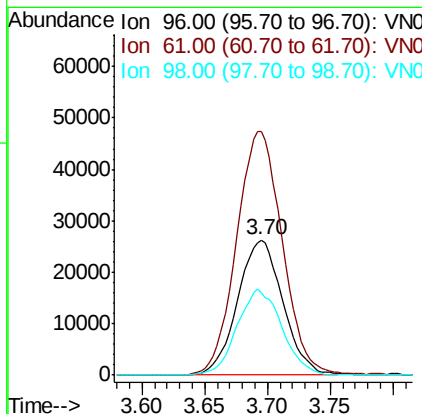
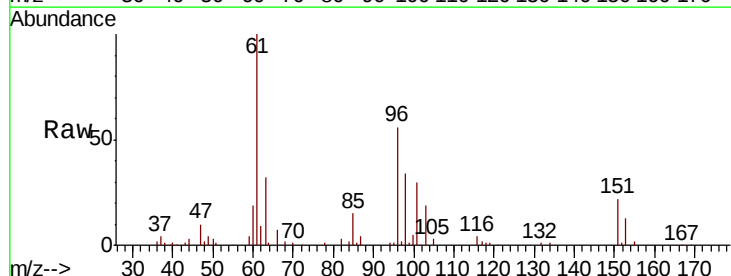
RT: 3.70 min Scan# 608

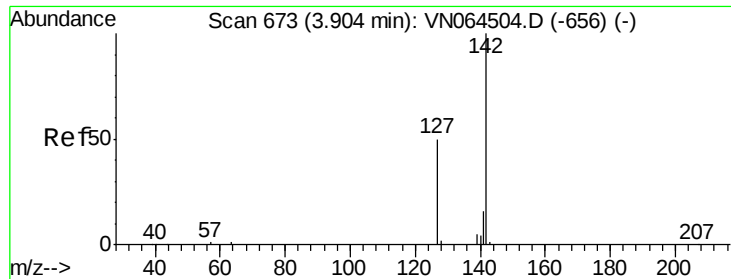
Delta R.T. 0.01 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion:	96	Resp:	65915
Ion Ratio	Lower	Upper	
96	100		
61	179.6	149.2	223.8
98	60.6	49.6	74.4





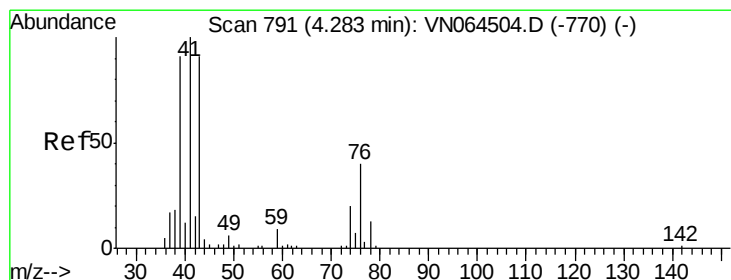
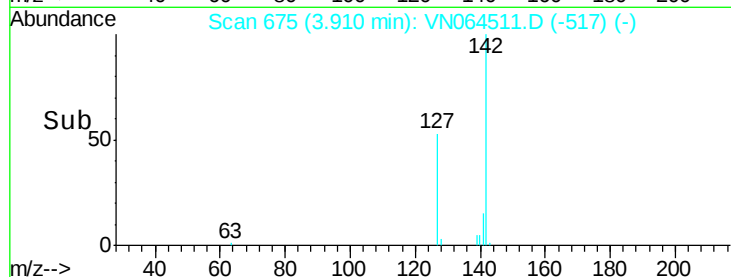
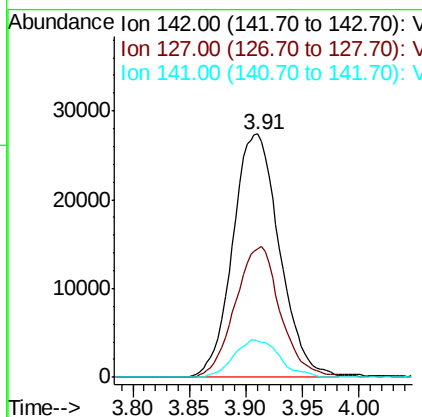
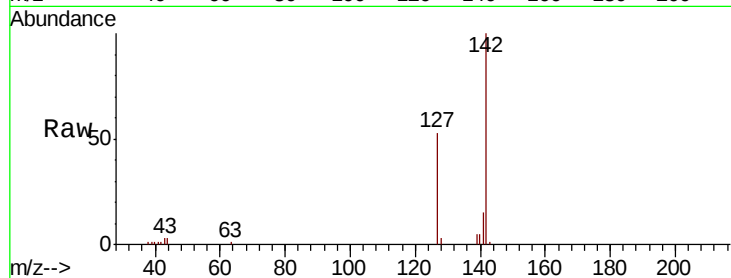
#11
Methyl Iodide
Concen: 19.748 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.01 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.7	24.7	74.1
141	15.0	7.8	23.3

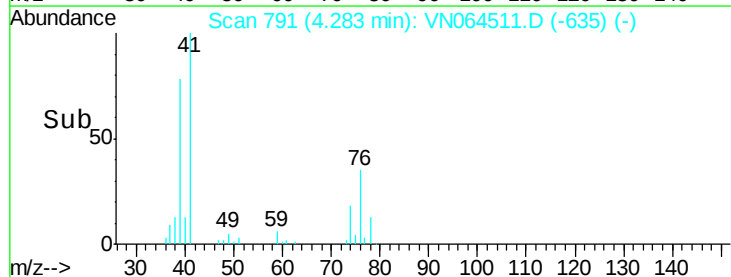
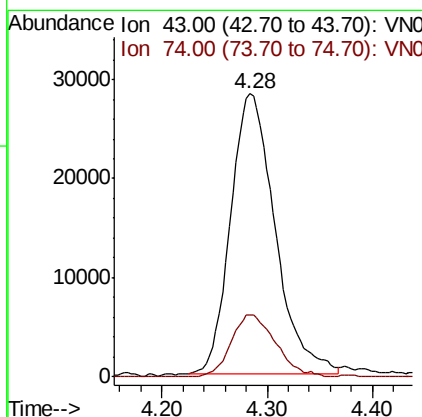
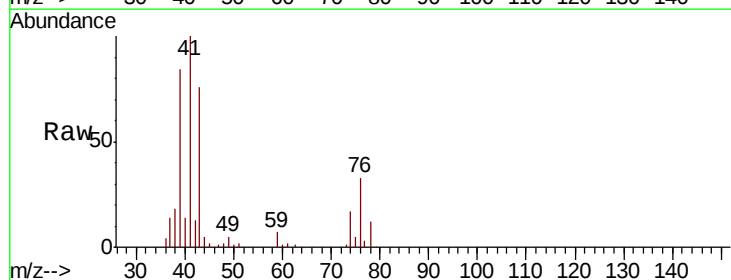
Manual Integrations
APPROVED

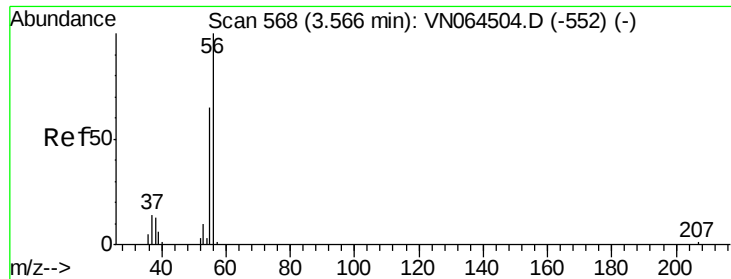
MMDadoda
11/10/2020 1:10:42 PM



#12
Methyl Acetate
Concen: 20.977 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5





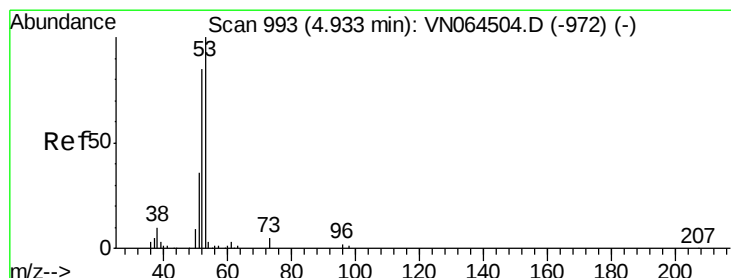
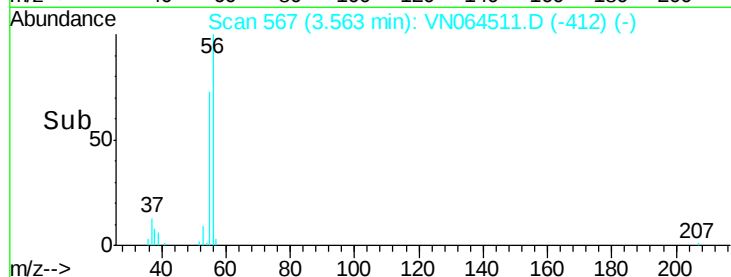
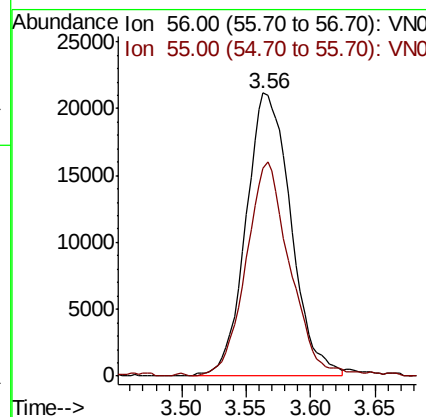
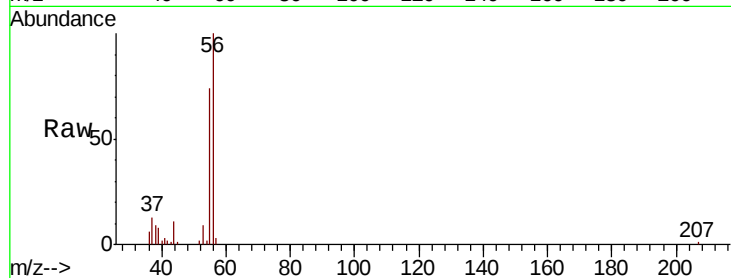
#13
Acrolein
Concen: 128.918 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	56	Resp	51416
Ion Ratio	100	Lower	Upper
55	72.8	58.2	87.2

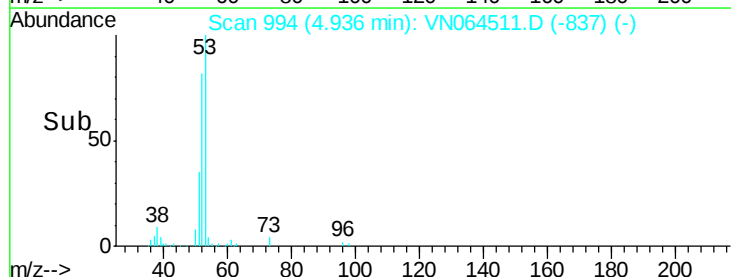
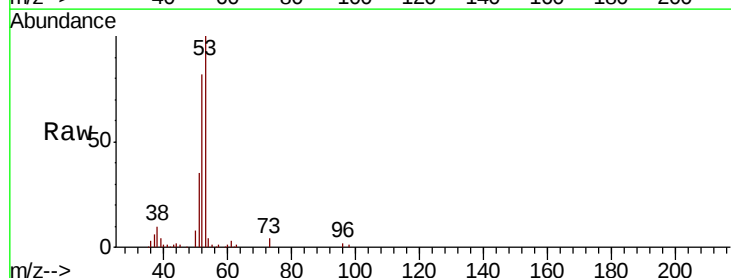
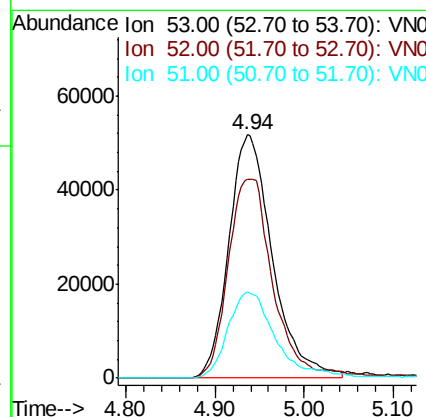
Manual Integrations
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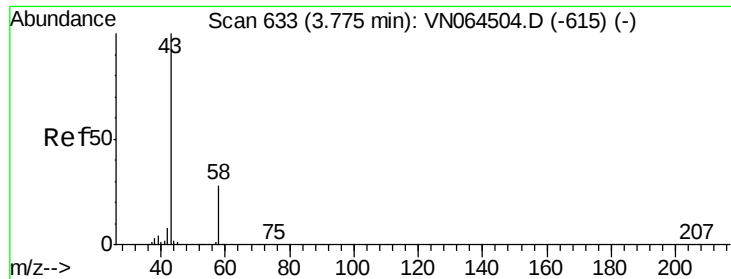
MMDadoda
11/10/2020 1:10:42 PM



#14
Acrylonitrile
Concen: 99.776 ug/l
RT: 4.94 min Scan# 994
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	53	Resp	175010
Ion Ratio	100	Lower	Upper
52	42.5	41.3	124.1
51	38.7	18.9	56.5





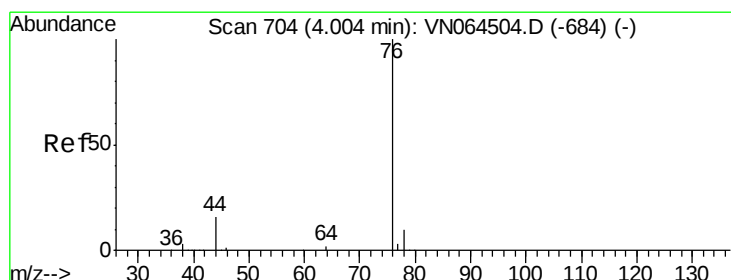
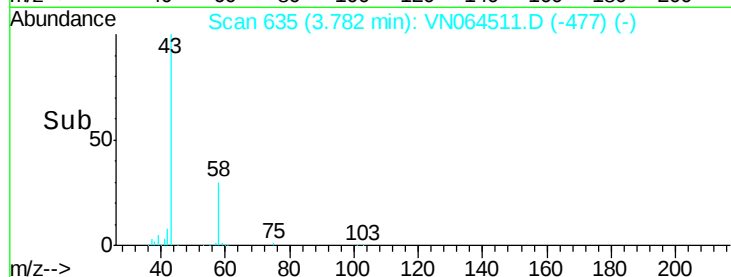
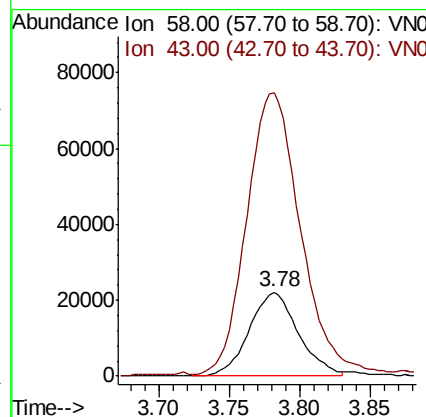
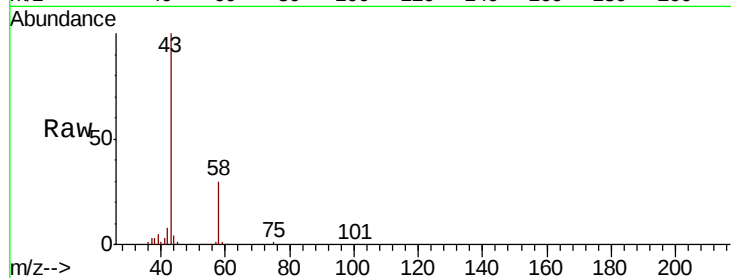
#15
Acetone
Concen: 93.170 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 58 Resp: 53933
Ion Ratio Lower Upper
58 100
43 335.1 289.8 434.8

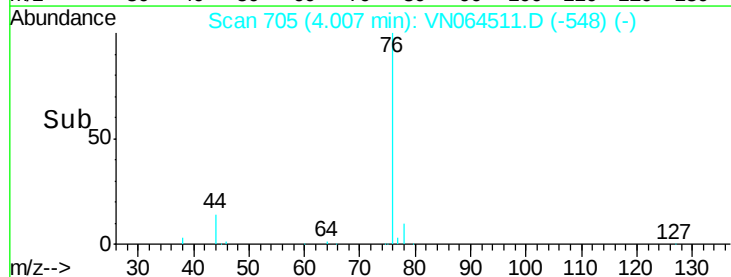
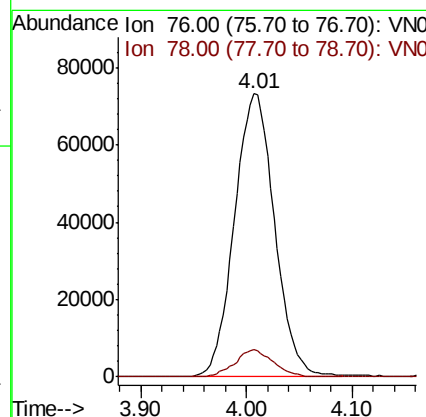
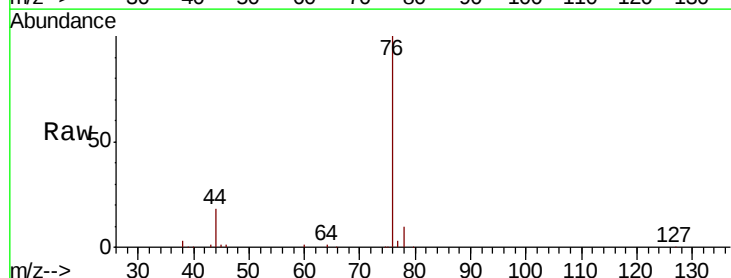
Manual Integrations
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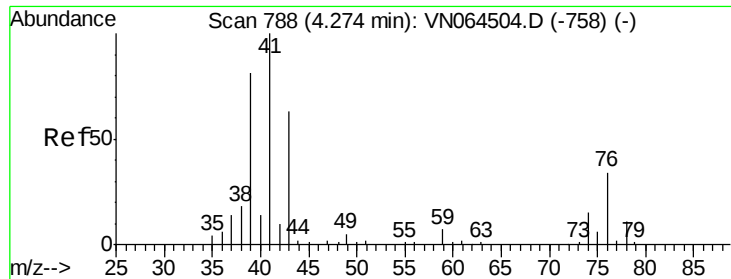
MMDadoda
11/10/2020 1:10:42 PM



#16
Carbon Disulfide
Concen: 19.744 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 76 Resp: 193818
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4





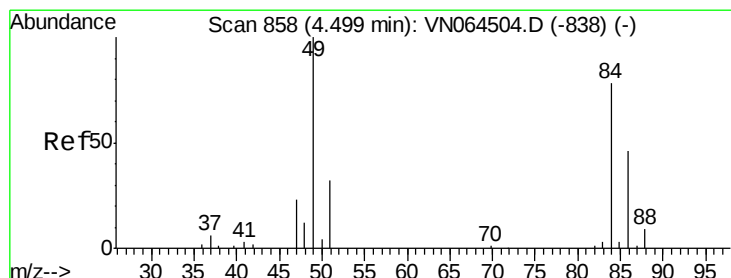
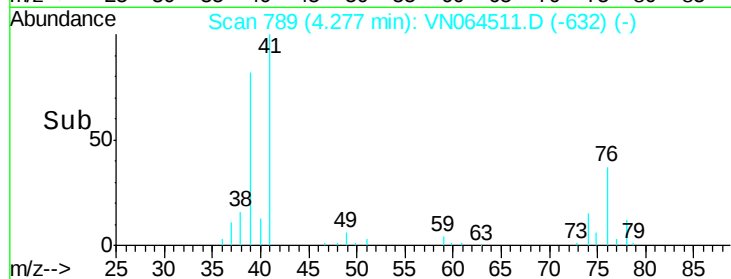
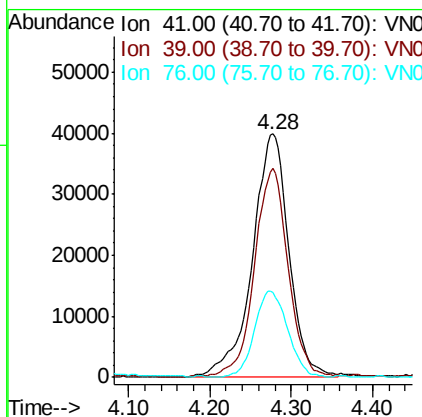
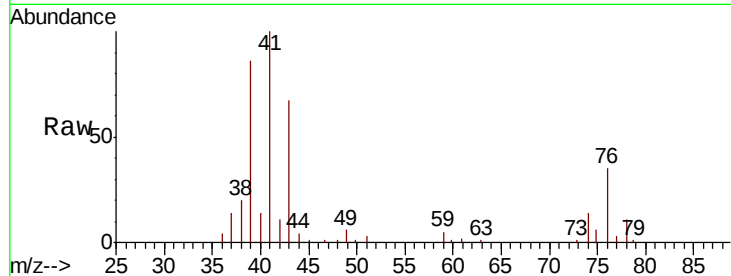
#17
Allvl chloride
Concen: 20.397 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.5	40.3	120.8
76	34.7	16.8	50.3

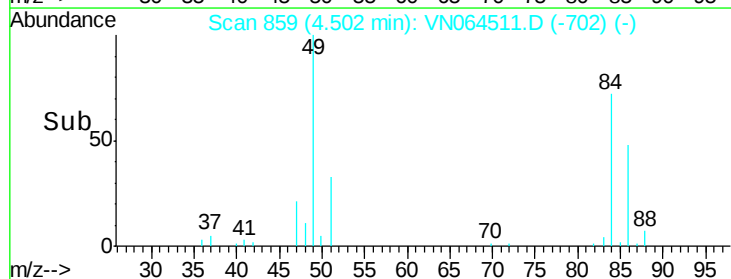
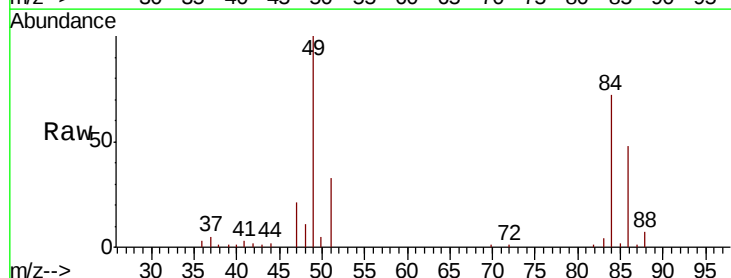
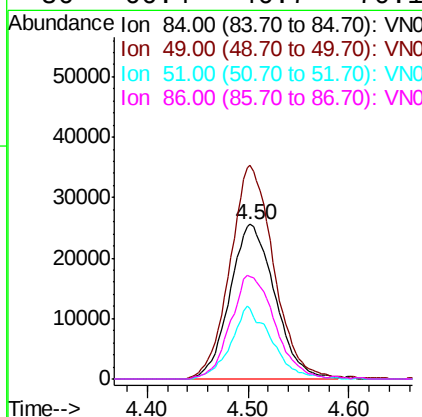
Manual Integrations
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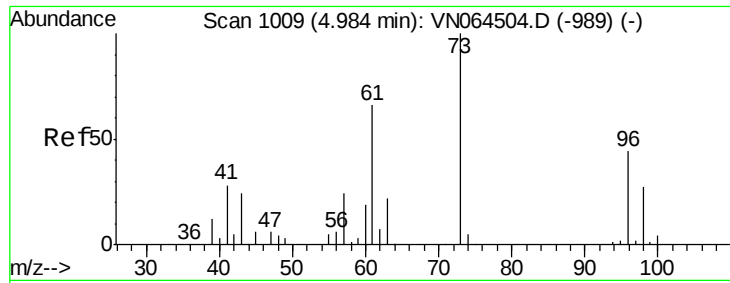
MMDadoda
11/10/2020 1:10:42 PM



#18
Methylene Chloride
Concen: 20.642 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	102.1	153.1
51	45.2	32.6	48.8
86	66.4	46.7	70.1





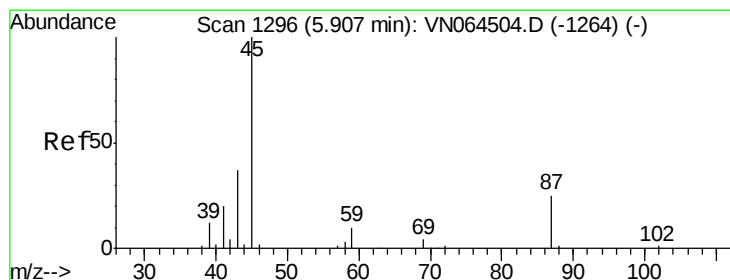
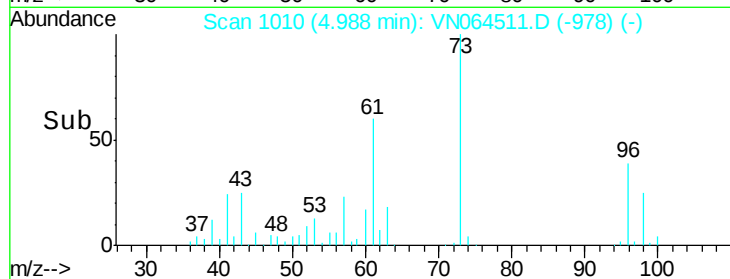
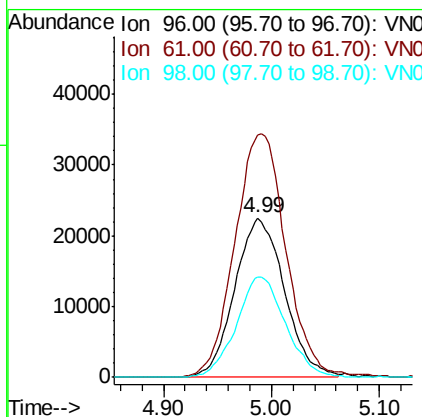
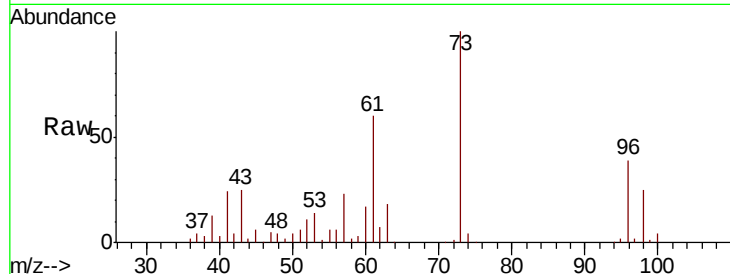
#19
trans-1,2-Dichloroethene
Concen: 19.691 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	120.1	180.1
98	63.0	49.1	73.7

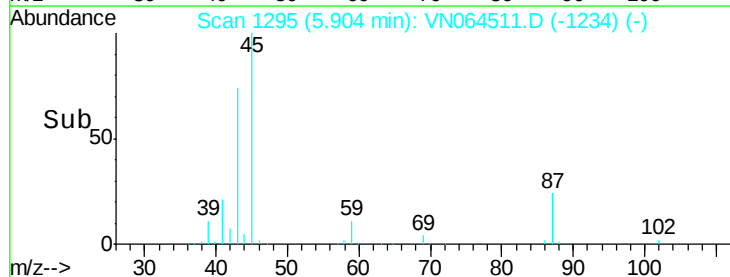
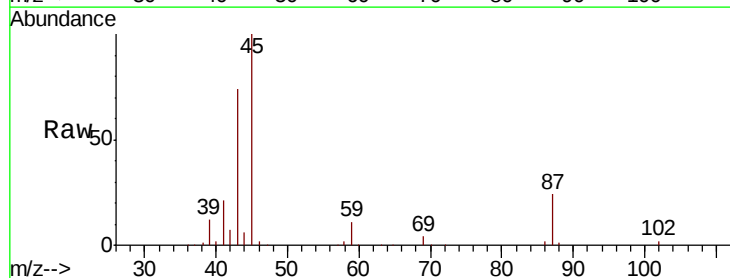
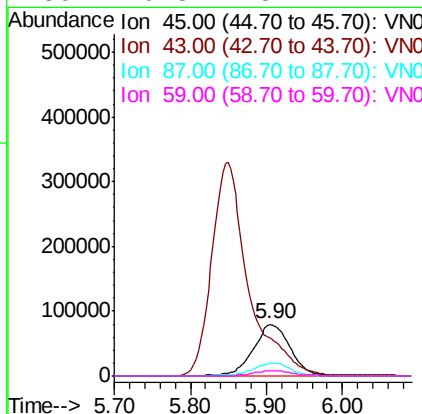
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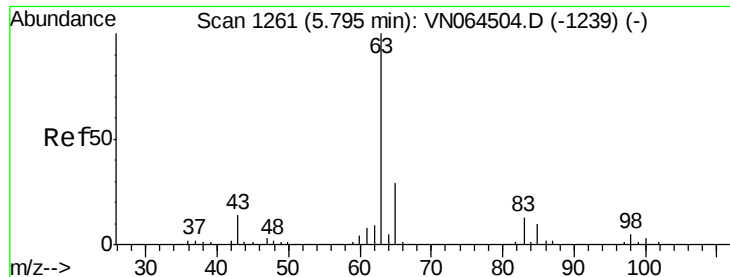
MMDadoda
11/10/2020 1:10:42 PM



#20
Diisopropyl ether
Concen: 20.301 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.8	53.1	79.7
87	24.0	21.0	31.6
59	10.3	8.2	12.4





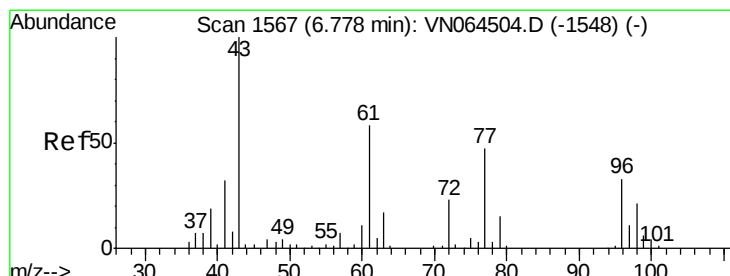
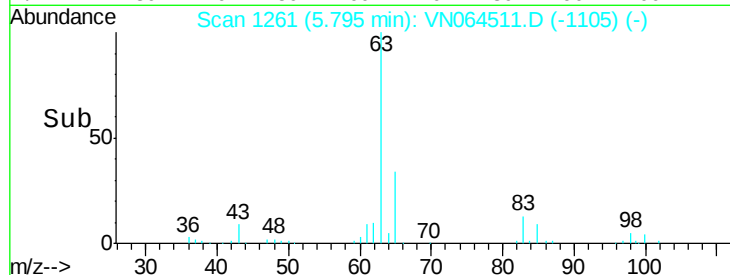
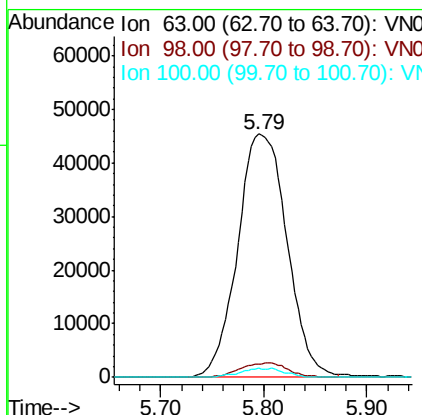
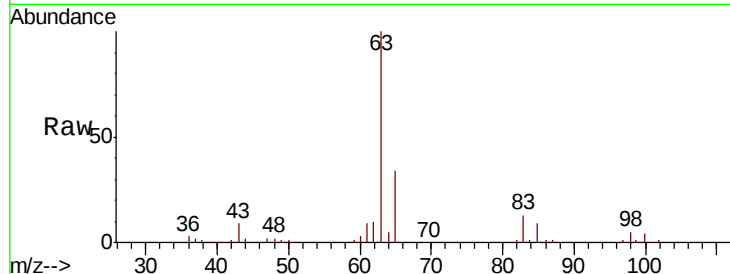
#21
 1,1-Dichloroethane
 Concen: 20.728 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.6	8.0
100	3.6	1.7	5.1

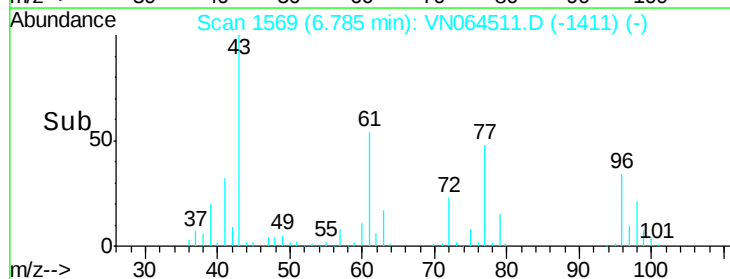
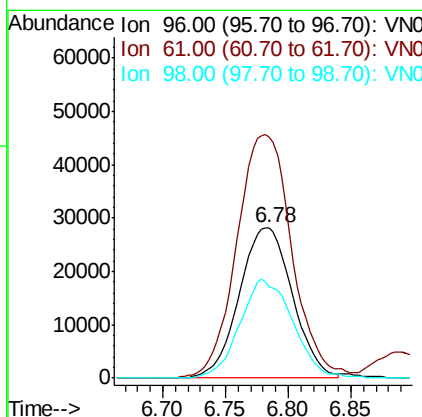
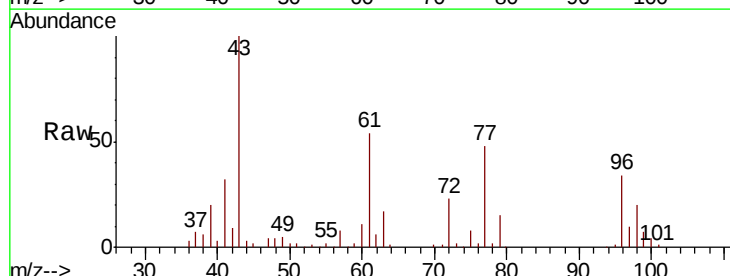
Manual Integrations
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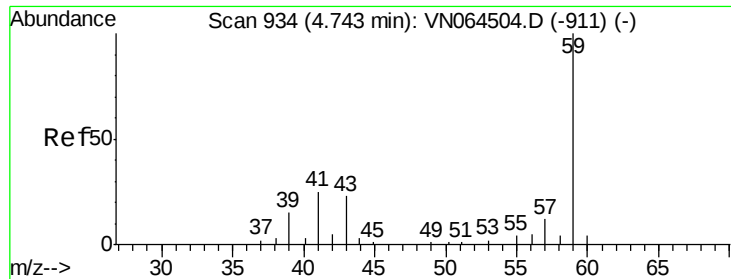
MMDadoda
 11/10/2020 1:10:42 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.961 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	136.1	204.1
98	65.5	51.8	77.8





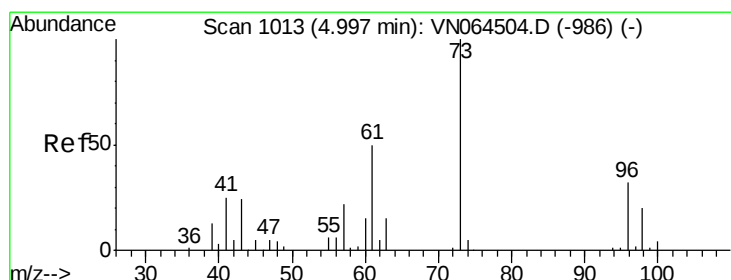
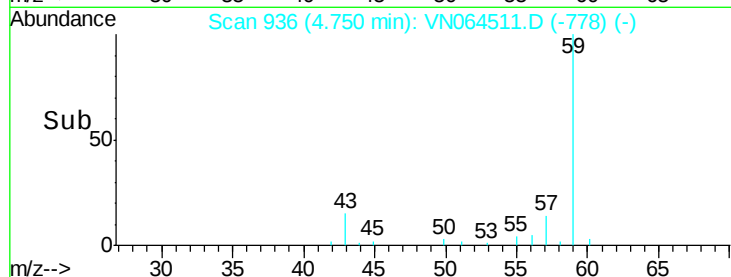
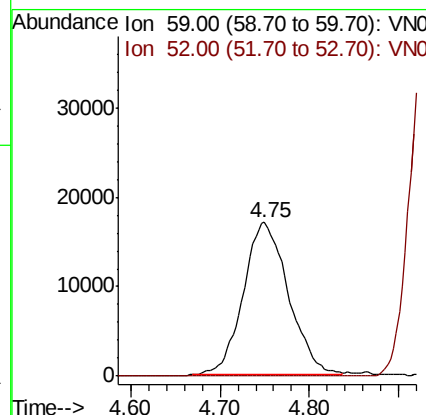
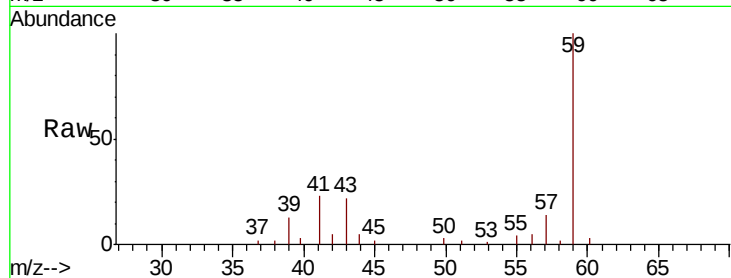
#23
tert-Butyl Alcohol
Concen: 99.670 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

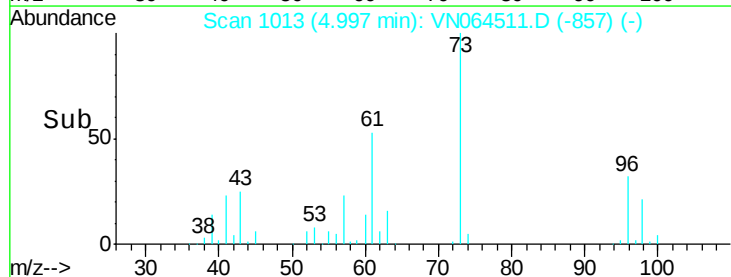
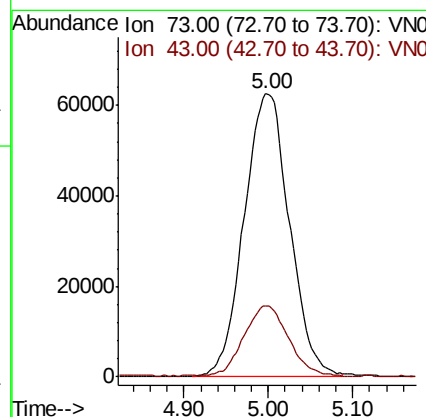
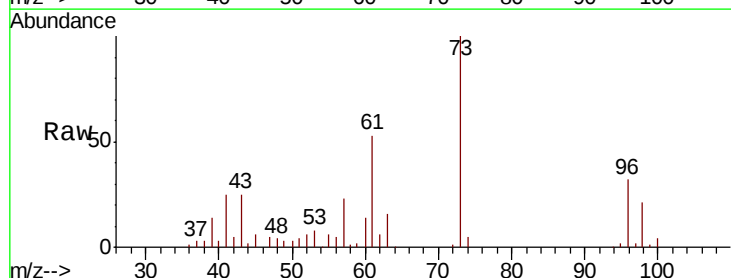
Manual Integrations
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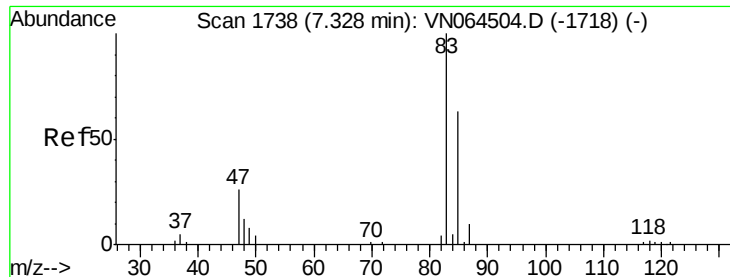
MMDadoda
11/10/2020 1:10:42 PM



#24
Methyl tert-Butyl Ether
Concen: 20.467 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.6	10.2	15.2





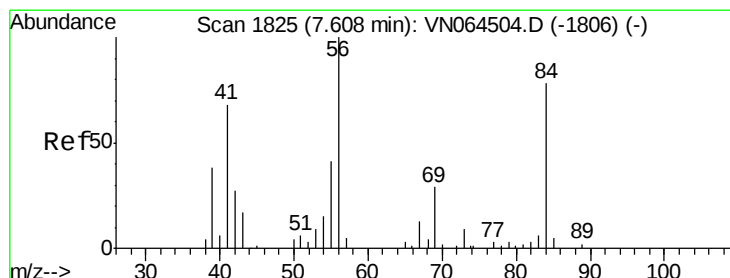
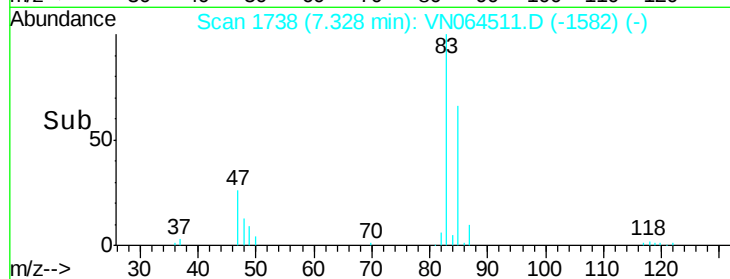
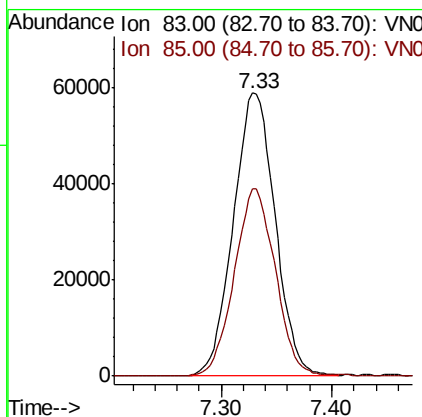
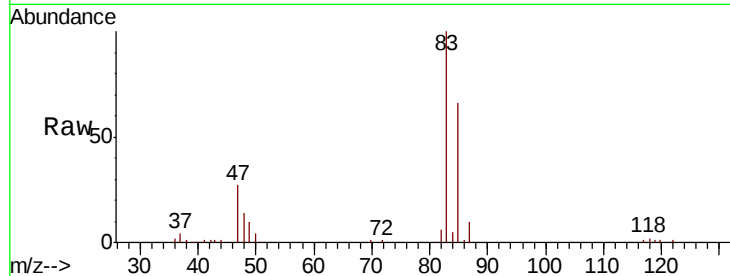
#25
Chloroform
Concen: 20.281 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 83 Resp: 155087
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8

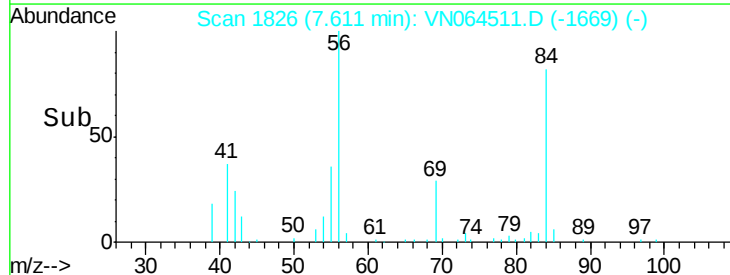
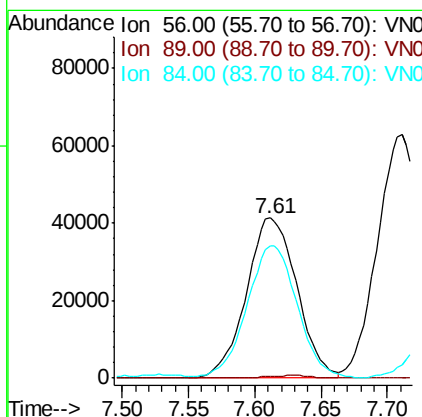
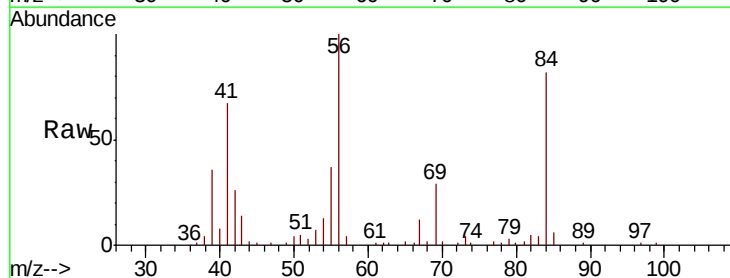
Manual Integrations
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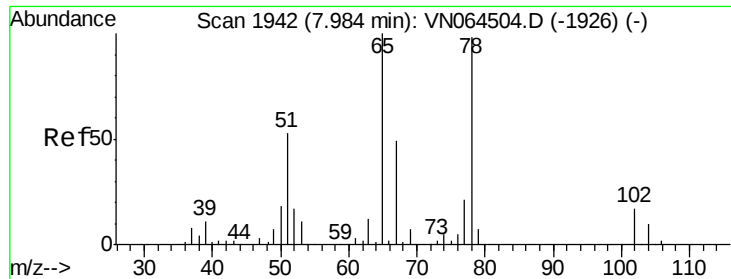
MMDadoda
11/10/2020 1:10:42 PM



#26
Cyclohexane
Concen: 19.551 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 56 Resp: 109842
Ion Ratio Lower Upper
56 100
89 0.4 0.6 0.8#
84 82.5 66.1 99.1





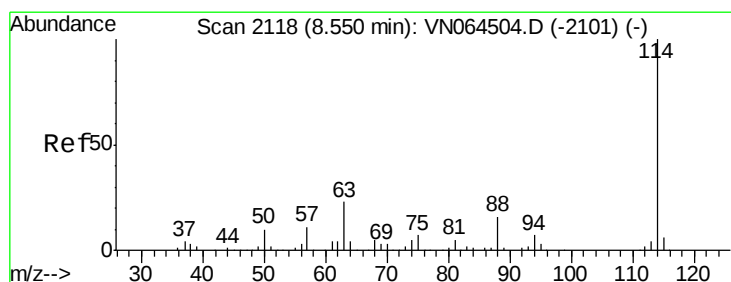
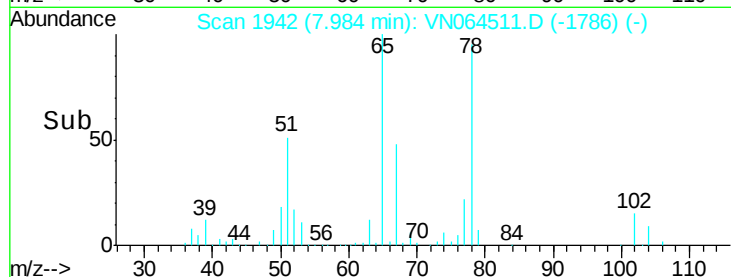
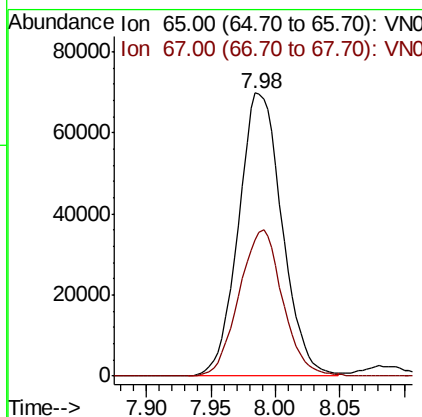
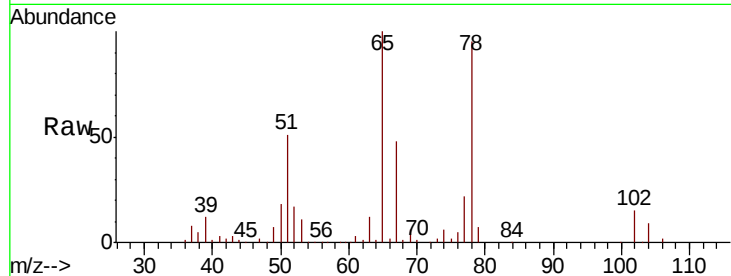
#27
 1,2-Dichloroethane-d4
 Concen: 31.026 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 65 Resp: 164574
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.1 61.7

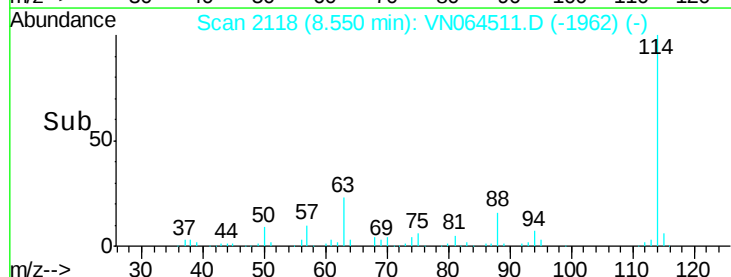
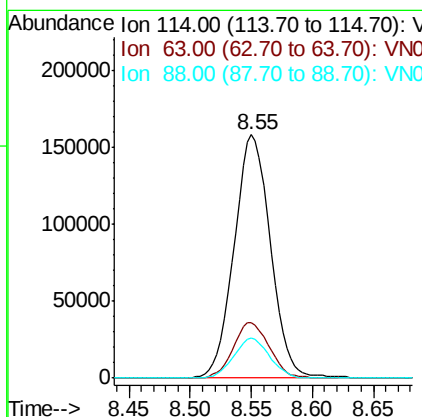
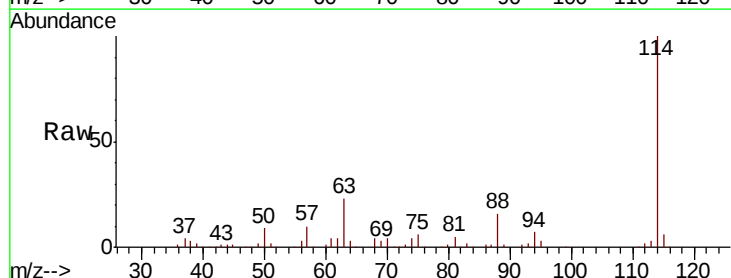
Manual Integrations
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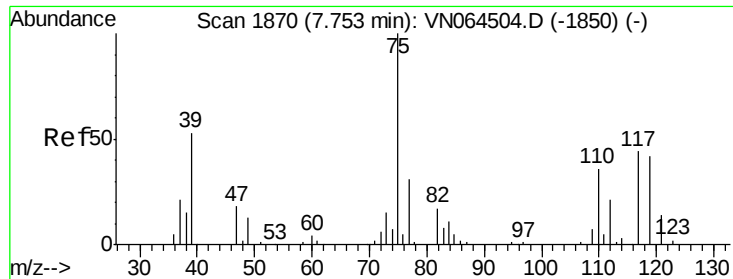
MMDadoda
 11/10/2020 1:10:42 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 114 Resp: 325940
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.5 27.7
 88 16.3 13.0 19.6





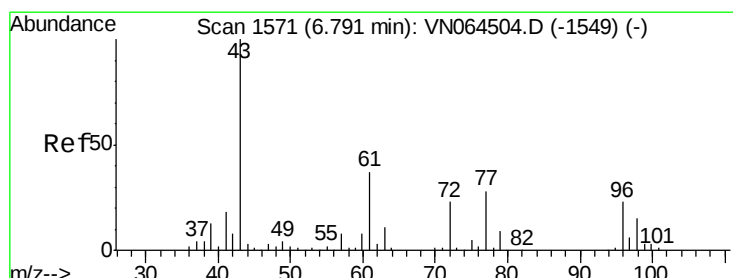
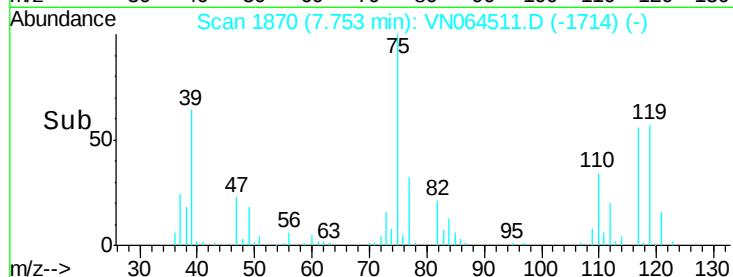
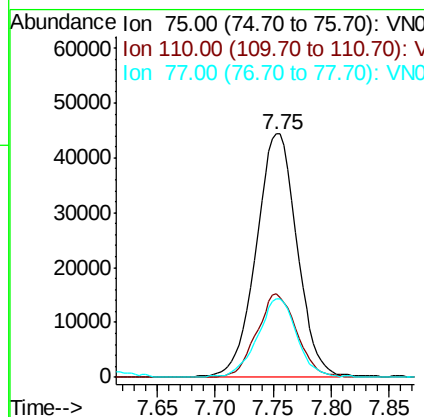
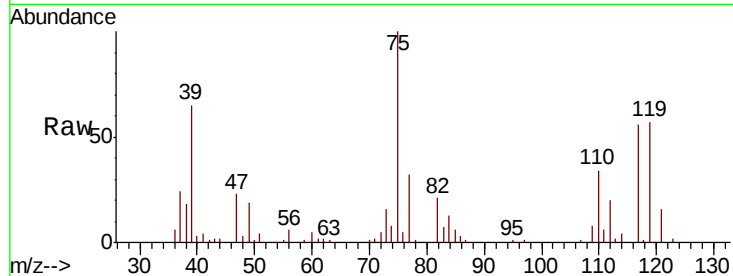
#29
 1,1-Dichloropropene
 Concen: 19.279 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.4	0.0	66.4
77	30.9	0.0	62.0

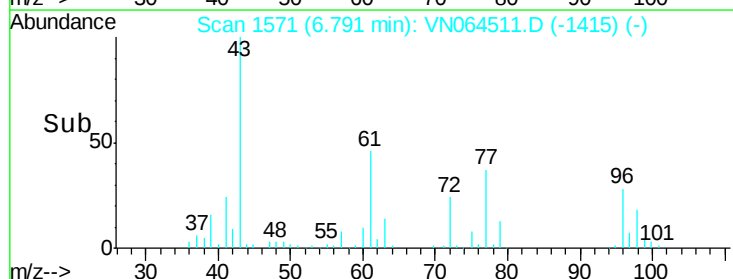
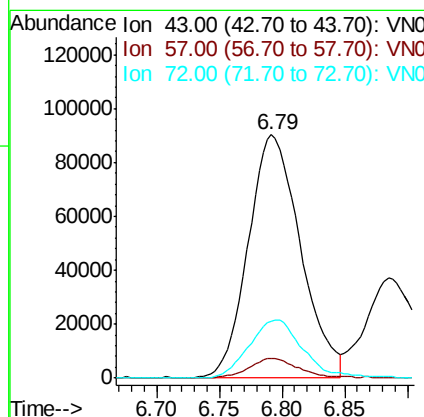
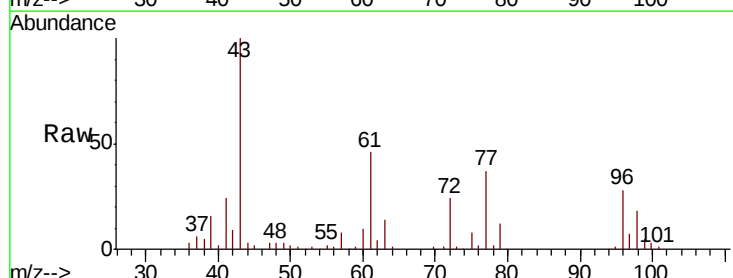
Manual Integrations
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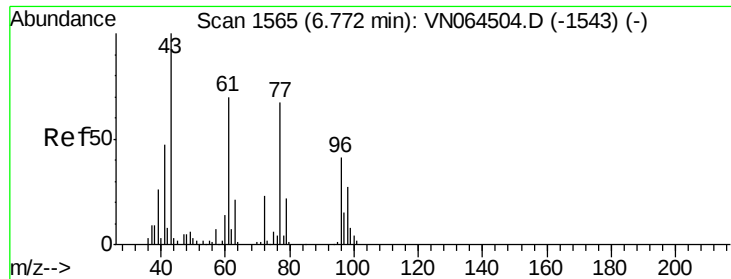
MMDadoda
 11/10/2020 1:10:42 PM



#30
 2-Butanone
 Concen: 93.166 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.4
72	25.0	9.9	14.9





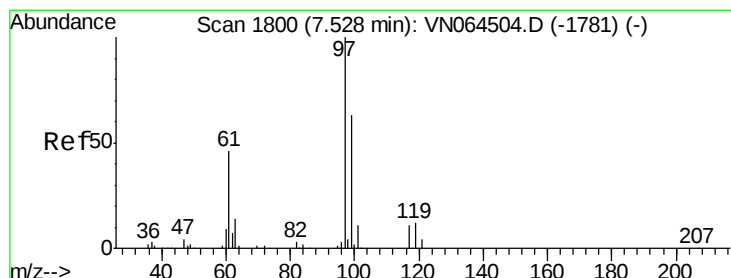
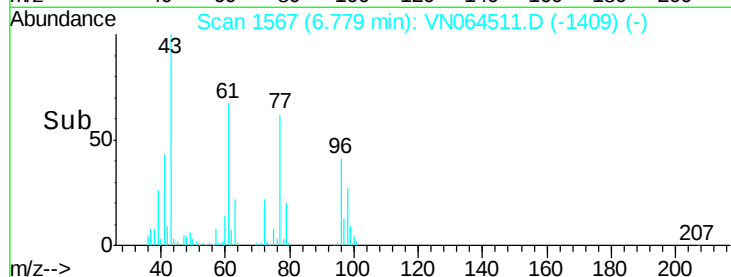
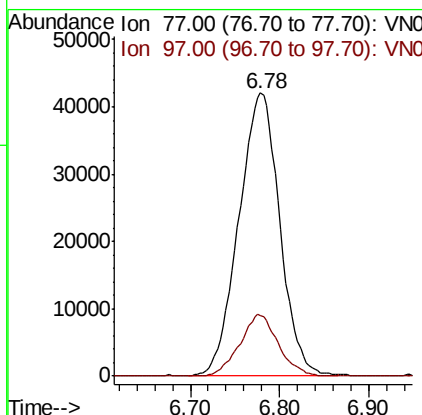
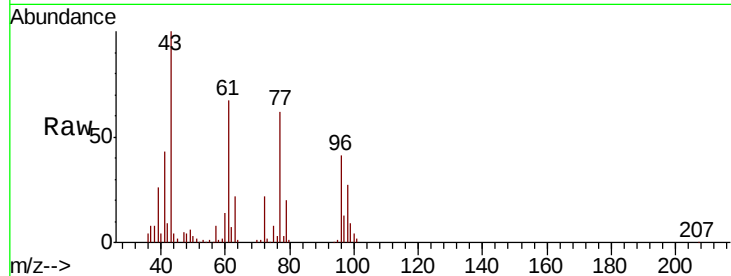
#31
 2,2-Dichloropropane
 Concen: 19.945 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 77 Resp: 134005
 Ion Ratio Lower Upper
 77 100
 97 20.4 16.9 25.3

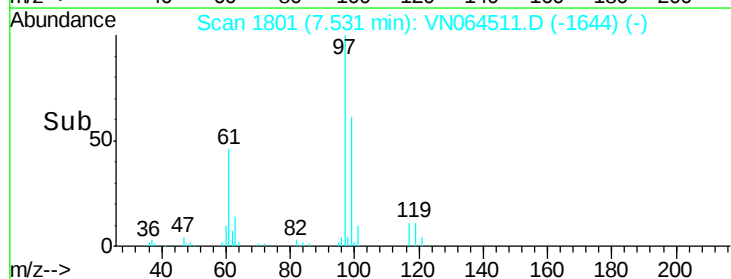
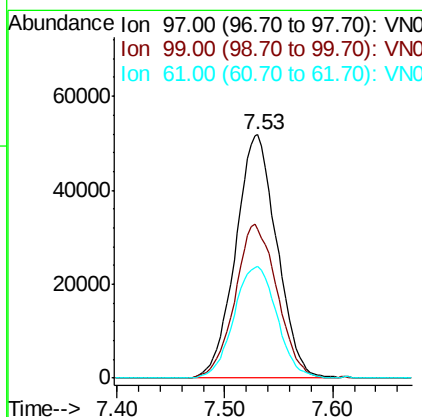
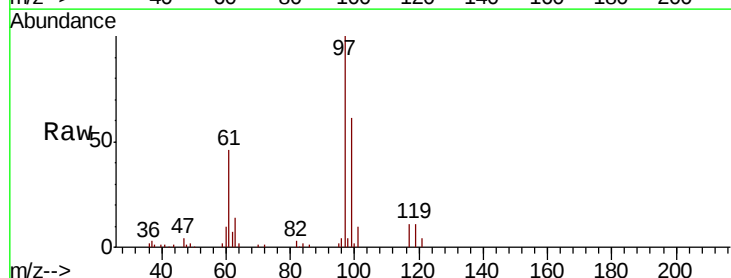
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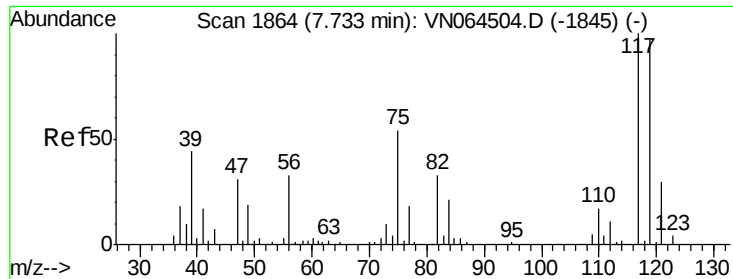
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#32
 1,1,1-Trichloroethane
 Concen: 19.886 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 97 Resp: 137971
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.8
 61 47.7 39.4 59.0





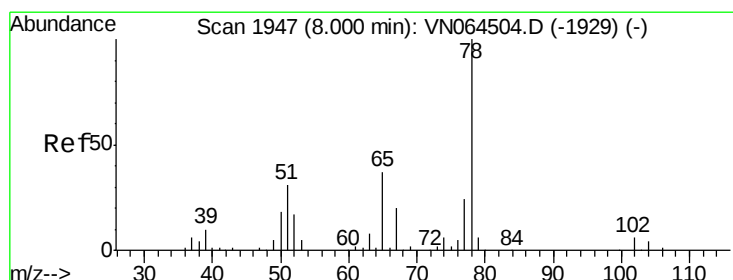
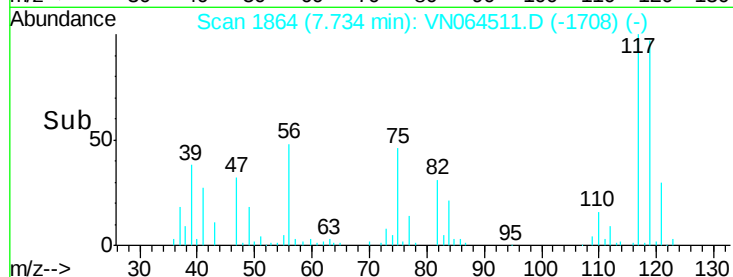
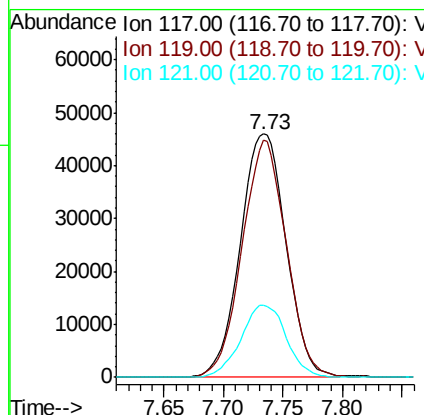
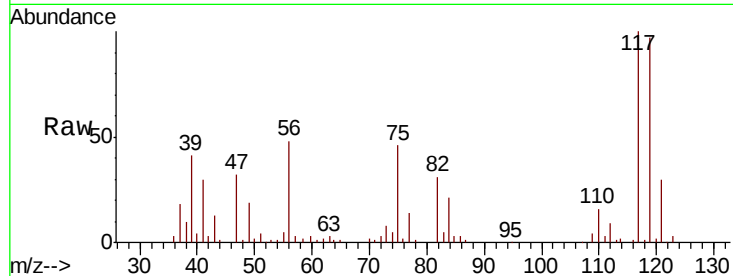
#33
Carbon Tetrachloride
Concen: 19.754 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.9	116.9
121	29.6	24.0	36.0

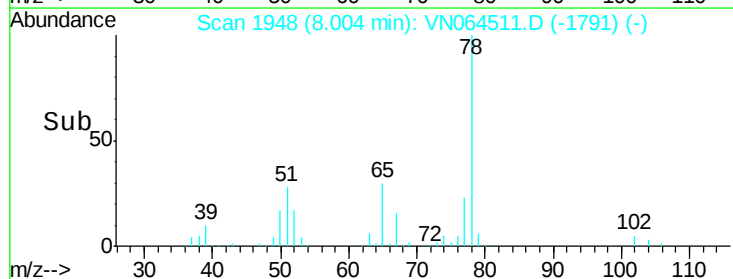
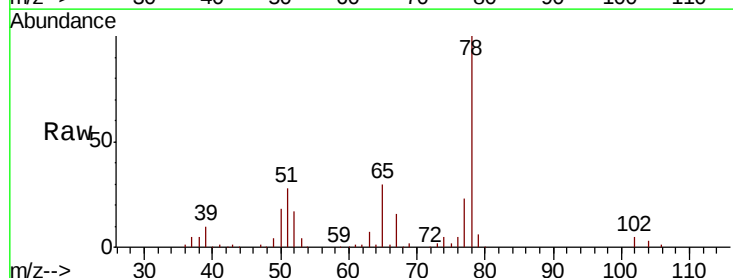
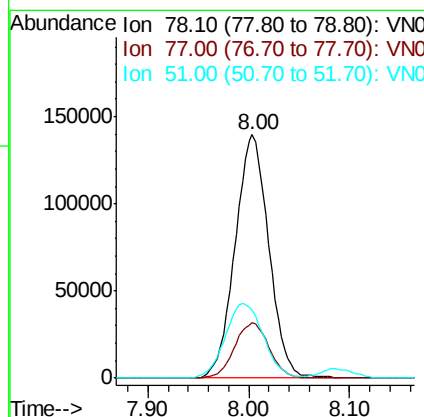
Manual Integrations
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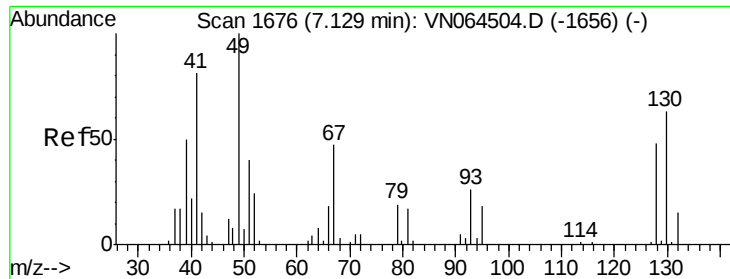
MMDadoda
11/10/2020 1:10:42 PM



#34
Benzene
Concen: 19.798 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
51	27.8	24.6	36.8





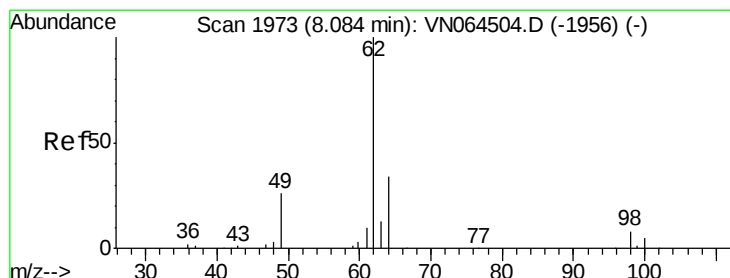
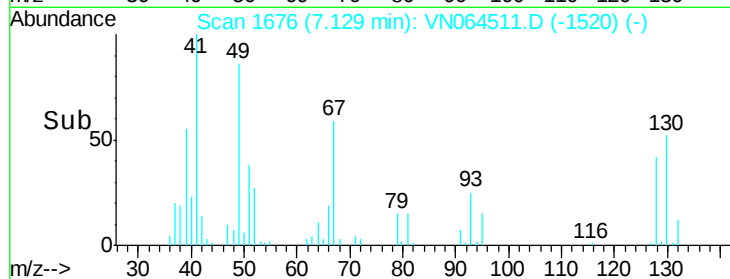
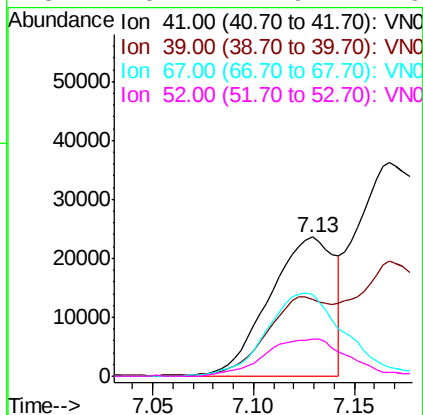
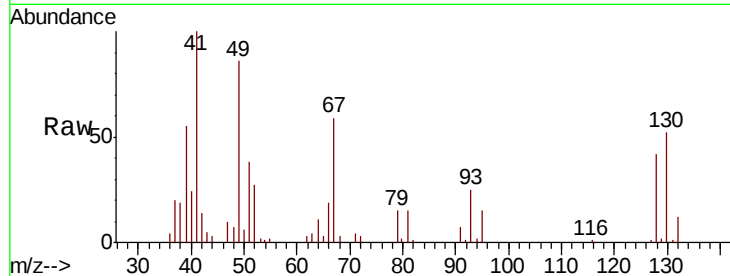
#35
Methacrylonitrile
Concen: 20.321 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	30.0	90.1	
67	57.9	29.2	87.6	
52	26.7	14.9	44.9	

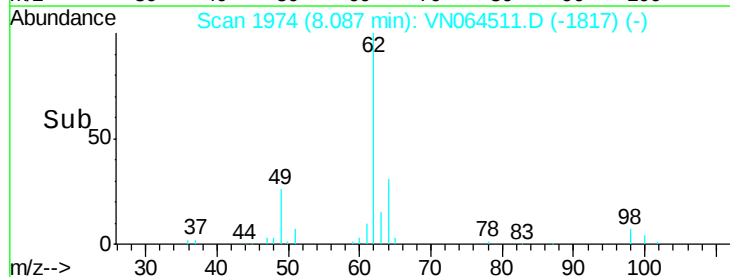
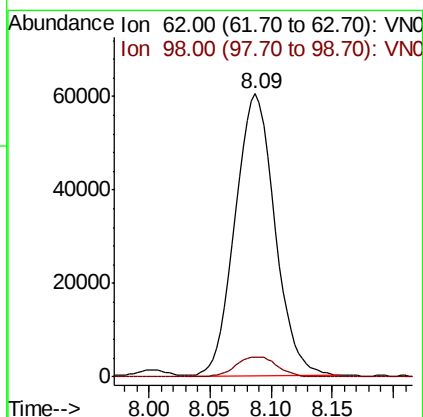
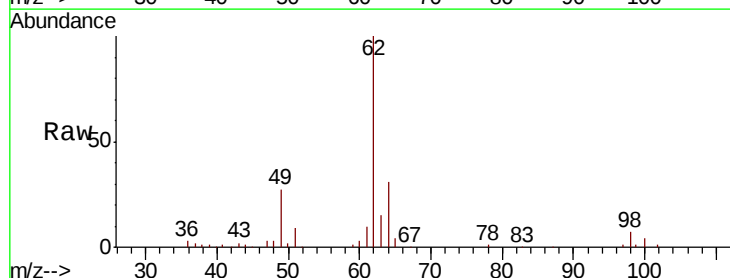
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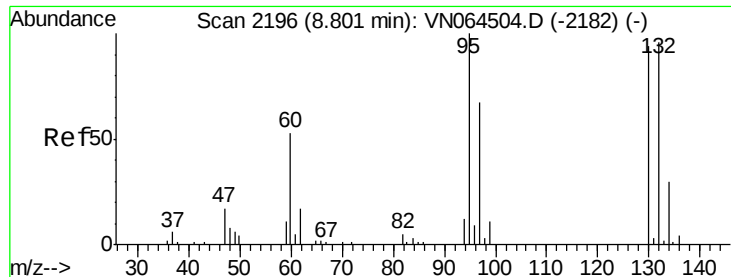
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11/10/2020 1:10:42 PM



#36
1,2-Dichloroethane
Concen: 20.312 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.8	5.5	8.3#	





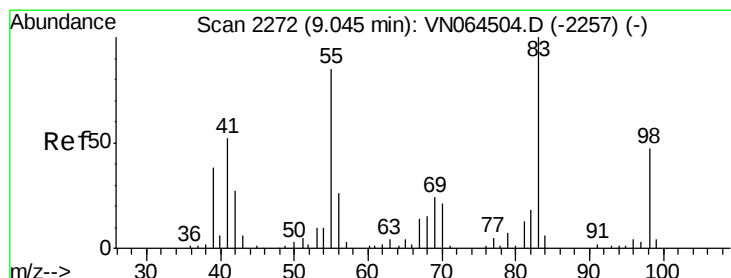
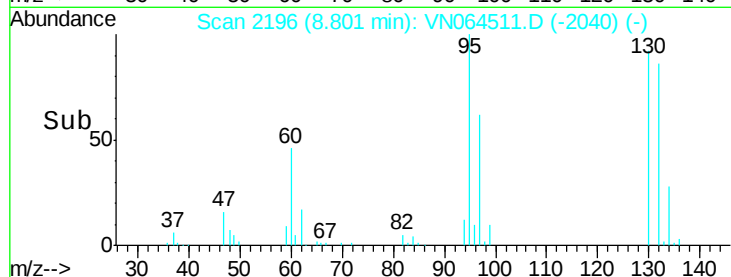
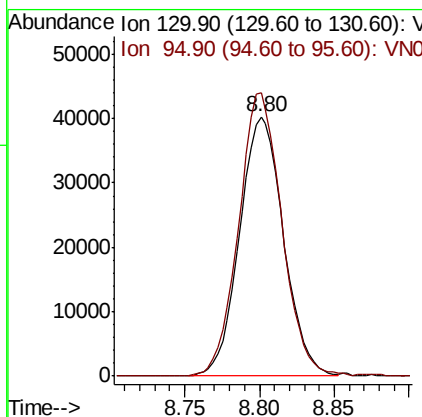
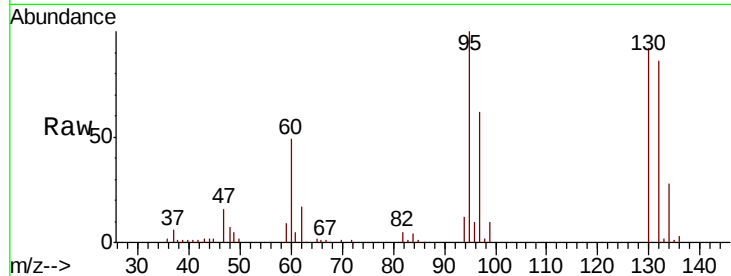
#37
 Trichloroethene
 Concen: 19.864 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion:130 Resp: 82256
 Ion Ratio Lower Upper
 130 100
 95 108.7 85.1 127.7

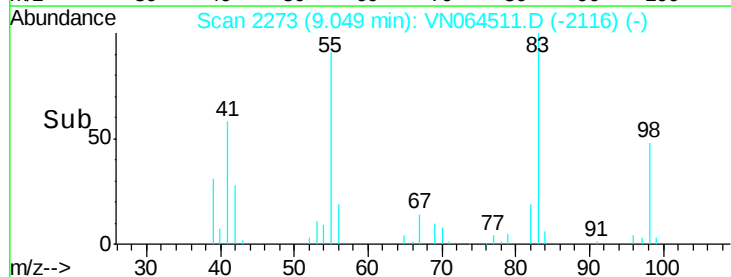
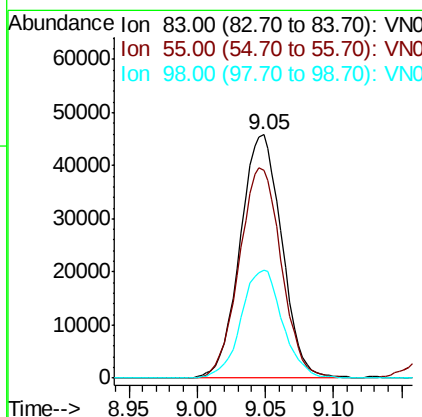
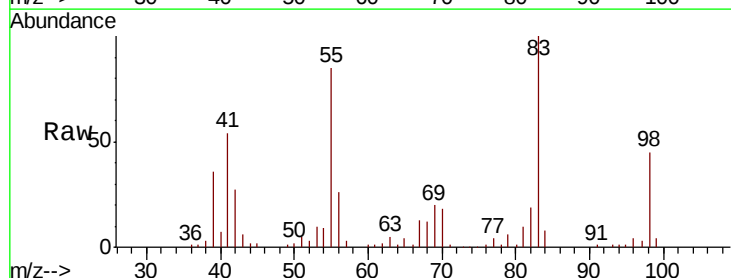
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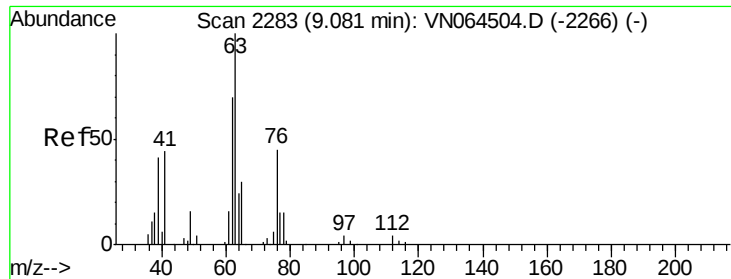
MMDadoda
 11/10/2020 1:10:42 PM



#38
 Methylcyclohexane
 Concen: 18.986 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 83 Resp: 97133
 Ion Ratio Lower Upper
 83 100
 55 87.5 42.0 126.1
 98 44.3 22.5 67.5





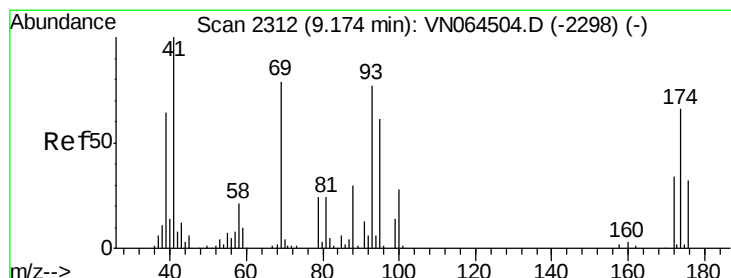
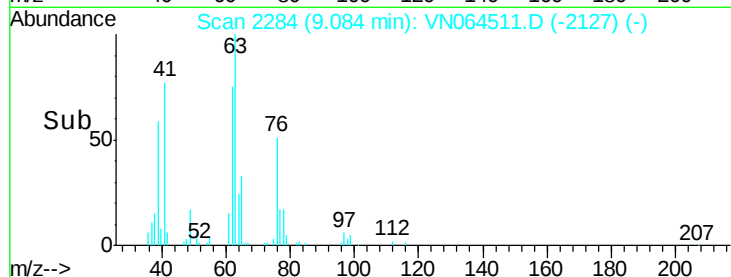
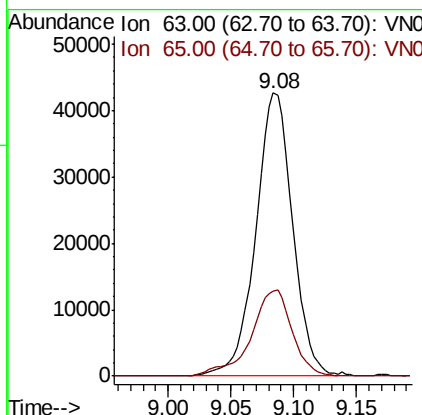
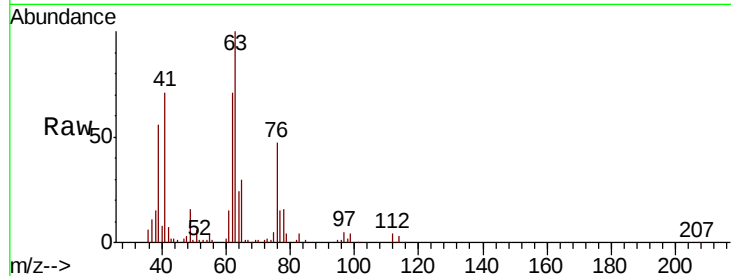
#39
 1,2-Dichloropropane
 Concen: 19.866 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion: 63 Resp: 87423
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

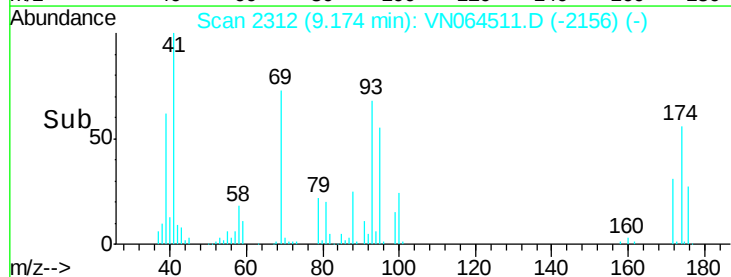
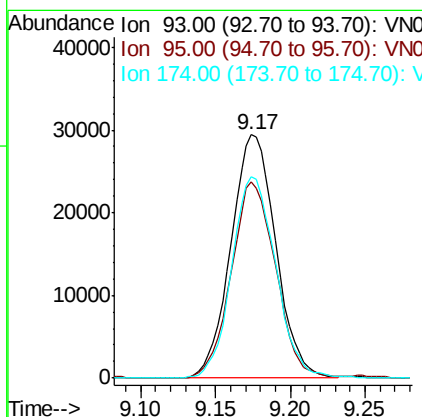
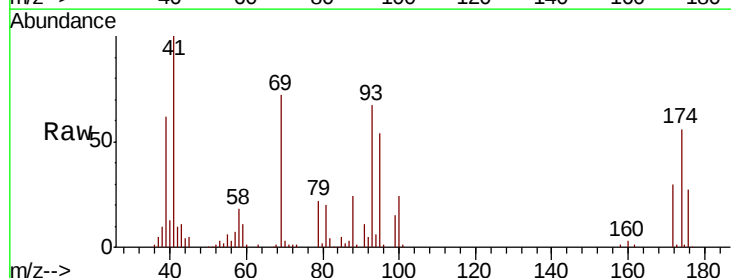
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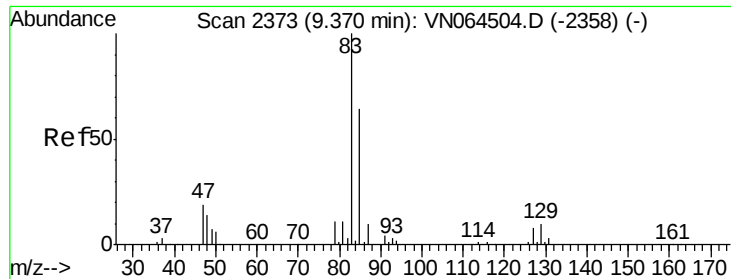
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 11/10/2020 1:10:42 PM



#40
 Dibromomethane
 Concen: 20.708 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion: 93 Resp: 61477
 Ion Ratio Lower Upper
 93 100
 95 79.7 0.0 164.6
 174 81.0 0.0 165.6





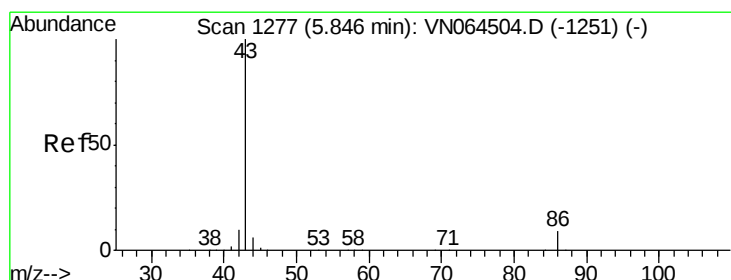
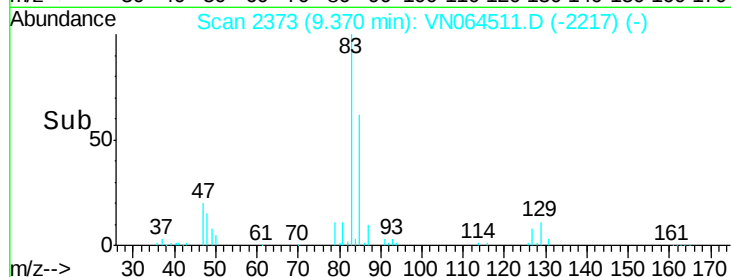
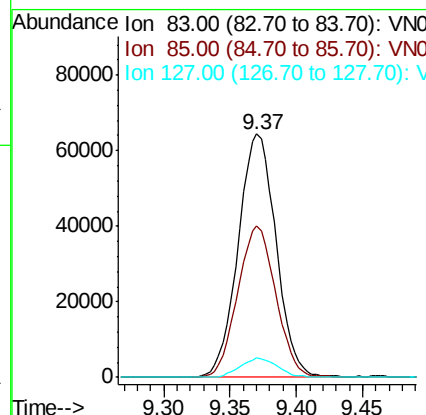
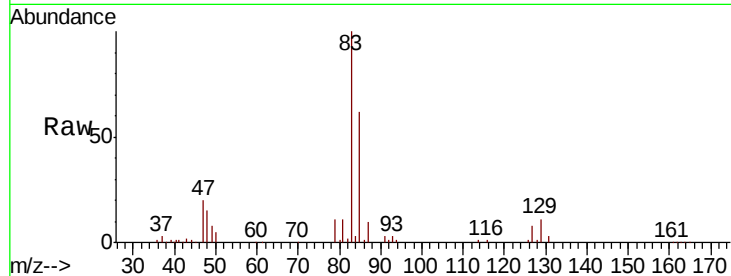
#41
Bromodichloromethane
Concen: 19.890 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	83	Resp	127980
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.0	76.4
127	7.9	6.2	9.4

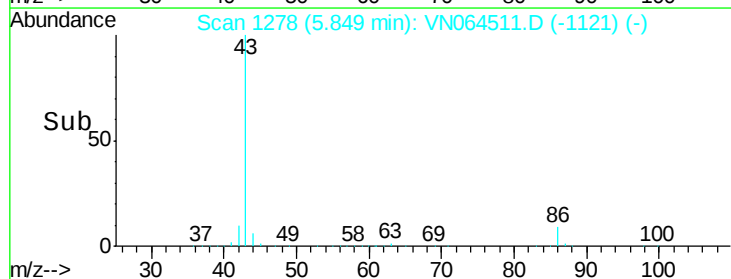
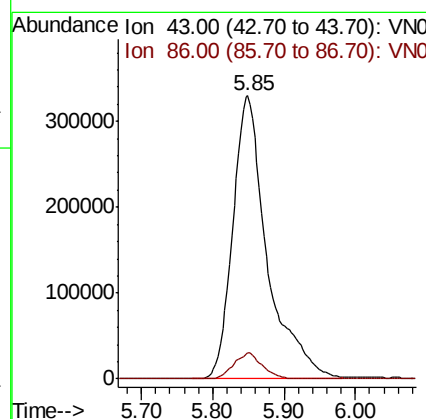
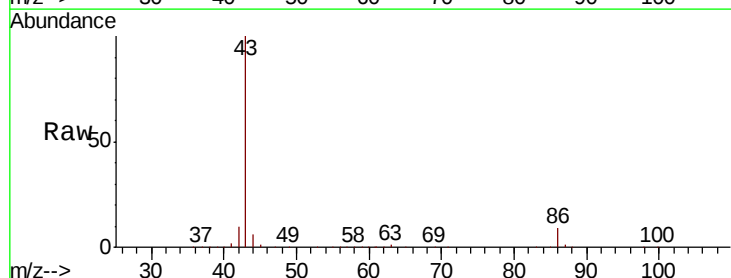
Manual Integrations
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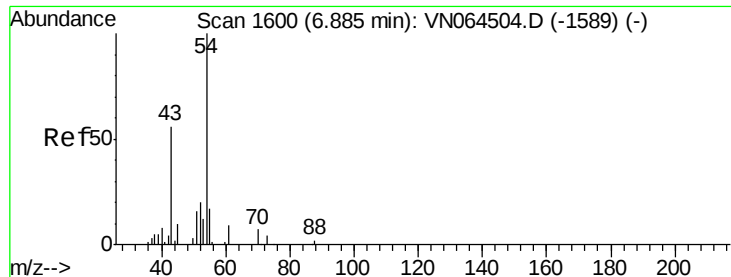
MMDadoda
11/10/2020 1:10:42 PM



#42
Vinyl Acetate
Concen: 98.809 ug/l
RT: 5.85 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	43	Resp	1107579
Ion Ratio	100	Lower	Upper
43	100		
86	7.6	6.3	9.5





#43

Ethyl Acetate

Concen: 18.865 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 43 Resp: 102781

Ion Ratio Lower Upper

43 100

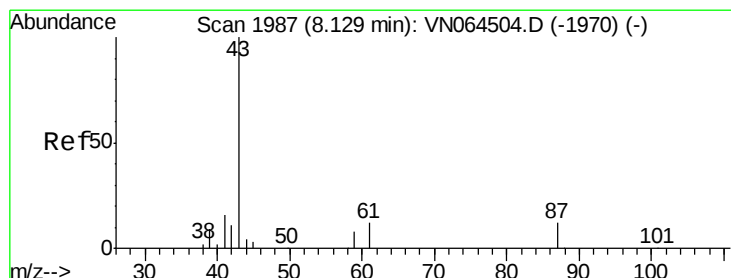
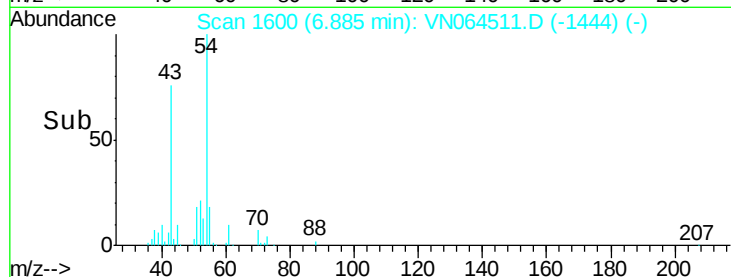
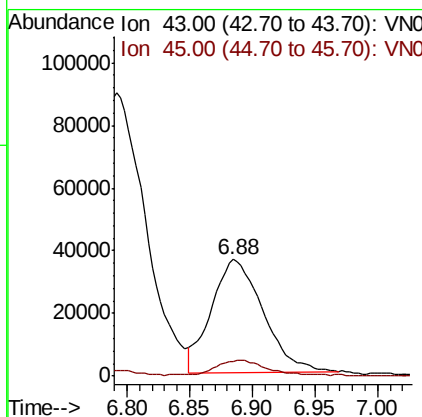
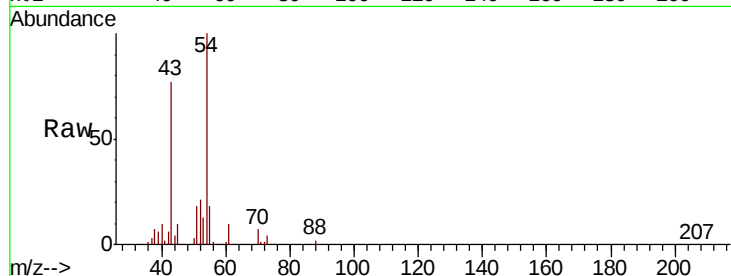
45 12.4 10.9 16.3

Manual Integrations

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11/10/2020 1:10:42 PM



#44

Isopropyl Acetate

Concen: 19.346 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064511.D

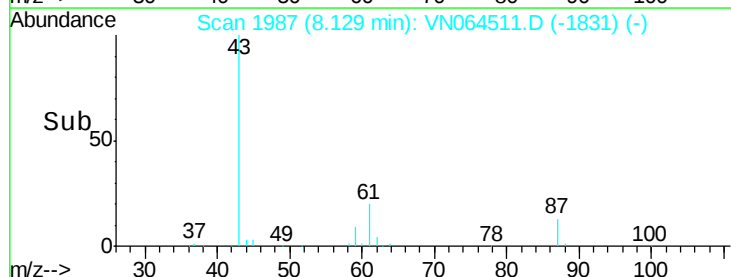
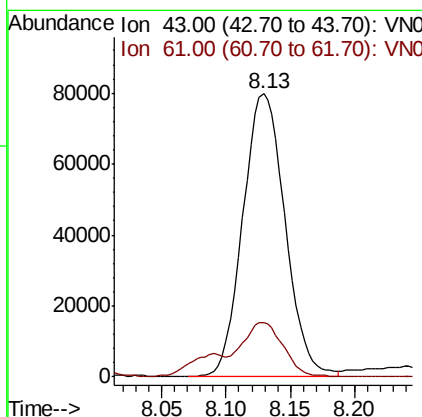
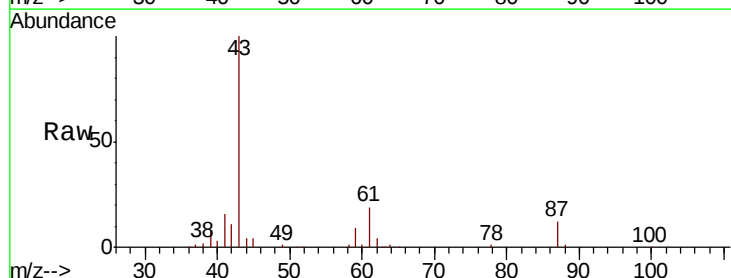
Acq: 9 Nov 2020 17:10

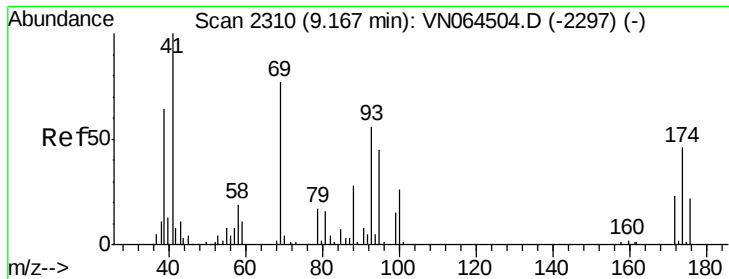
Tgt Ion: 43 Resp: 181945

Ion Ratio Lower Upper

43 100

61 19.0 13.0 19.4





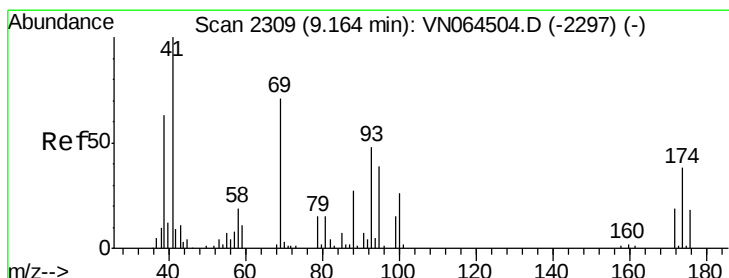
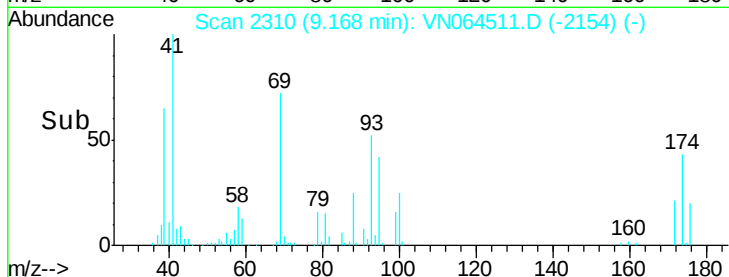
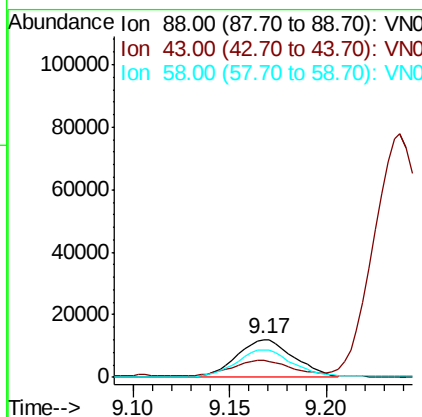
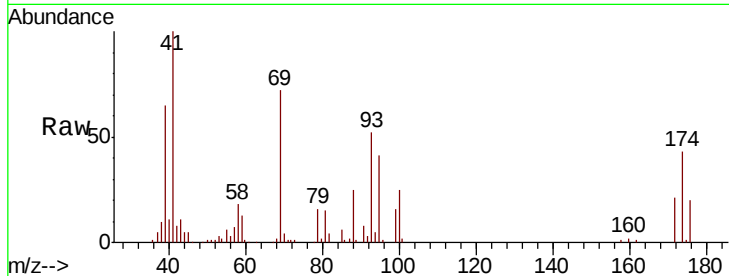
#45
 1,4-Dioxane
 Concen: 377.514 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	88	Resp	24889
Ion	Ratio	Lower	Upper
88	100		
43	43.1	30.6	46.0
58	72.9	57.9	86.9

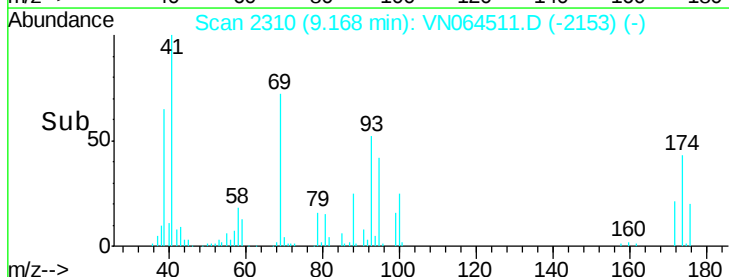
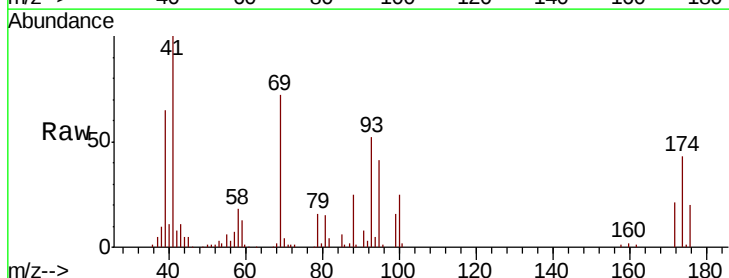
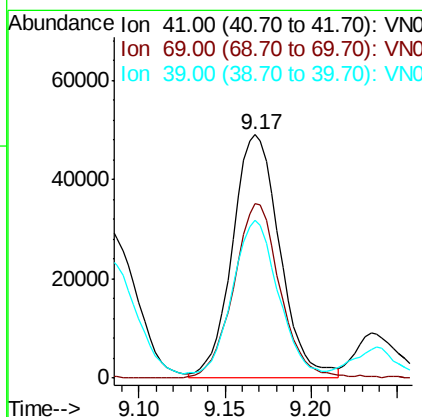
Manual Integrations
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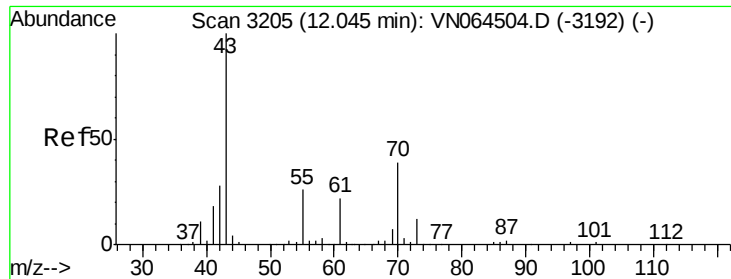
MMDadoda
 11/10/2020 1:10:42 PM



#46
 Methyl methacrylate
 Concen: 20.189 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	41	Resp	94429
Ion	Ratio	Lower	Upper
41	100		
69	72.1	35.4	106.2
39	63.8	31.6	94.7





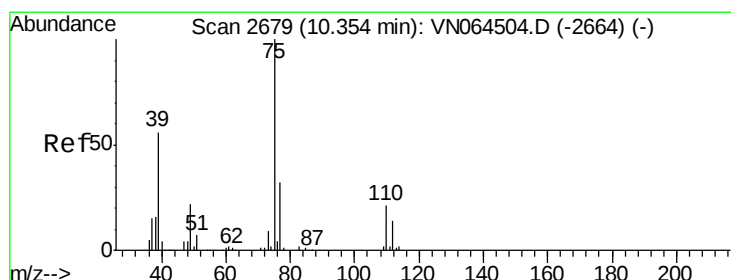
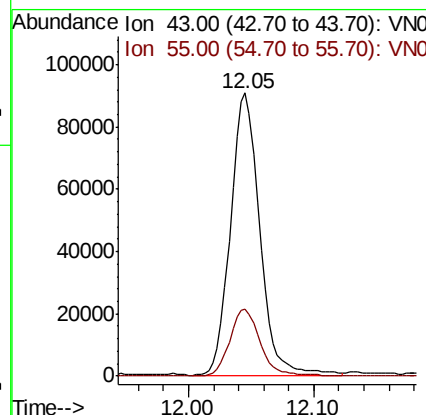
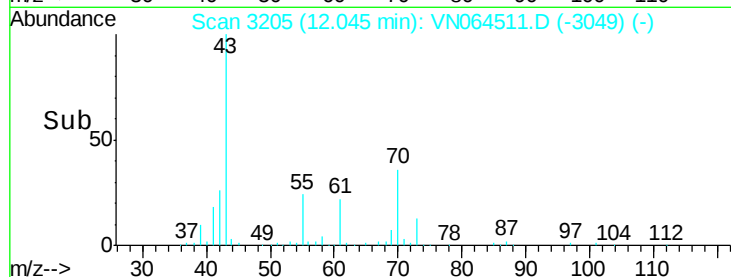
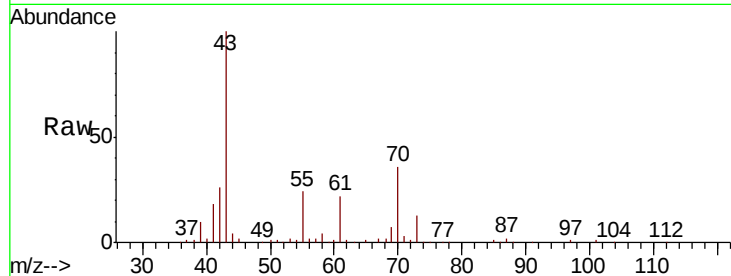
#47
n-amvl Acetate
Concen: 18.008 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 43 Resp: 146509
Ion Ratio Lower Upper
43 100
55 24.4 19.2 28.8

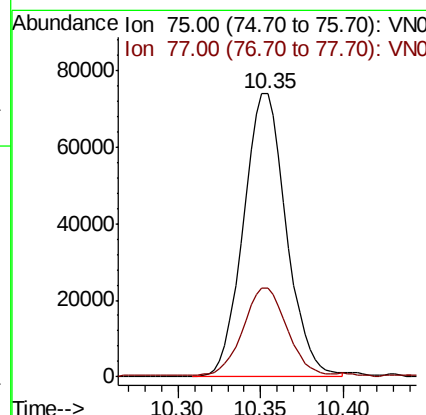
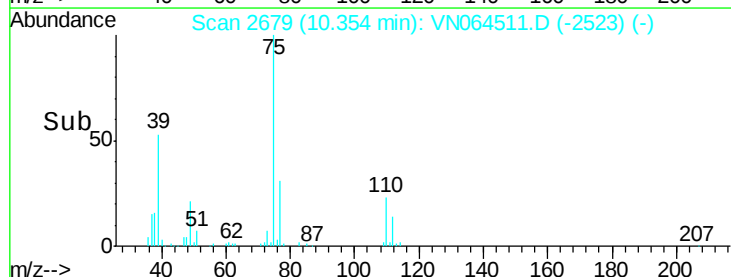
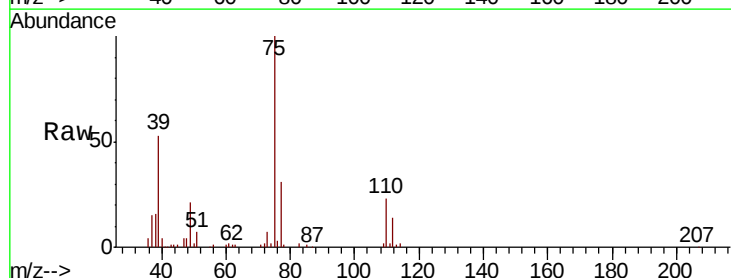
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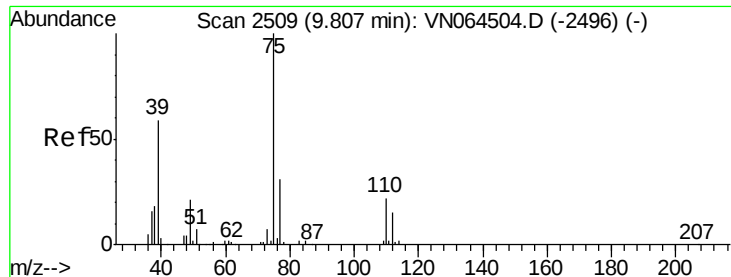
MMDadoda
11/10/2020 1:10:42 PM



#48
t-1,3-Dichloropropene
Concen: 19.489 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion: 75 Resp: 132885
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6





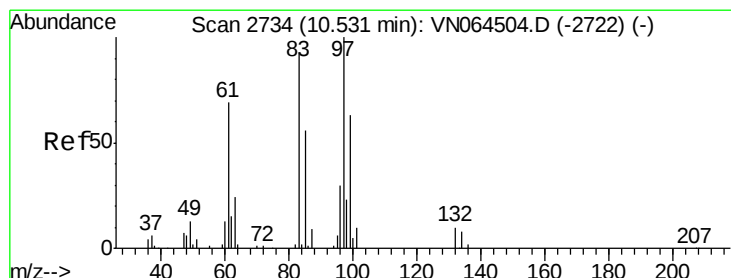
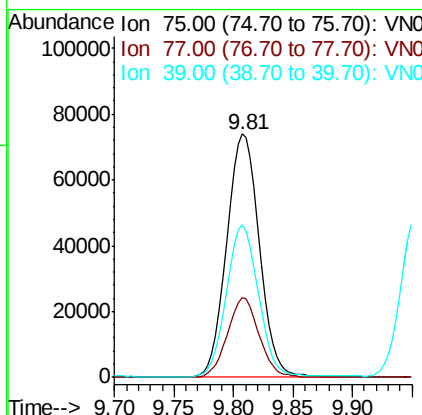
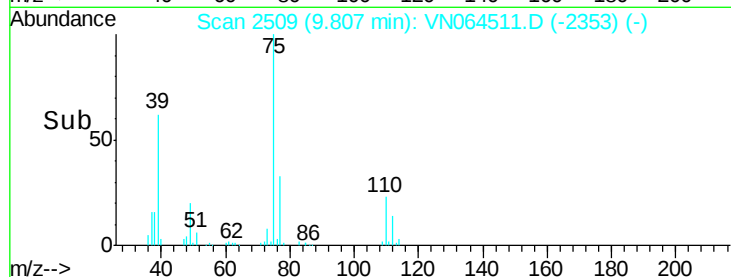
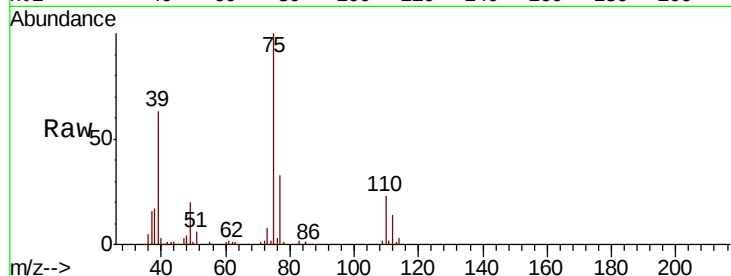
#49
 cis-1,3-Dichloropropene
 Concen: 19.713 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.8	37.2
39	62.3	47.4	71.0

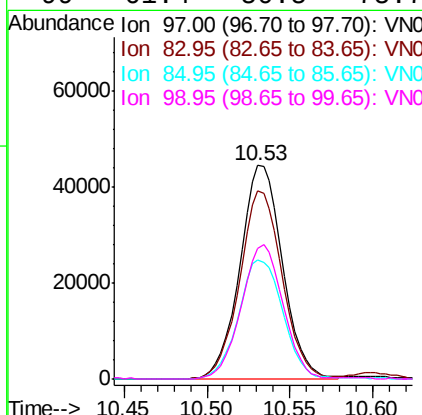
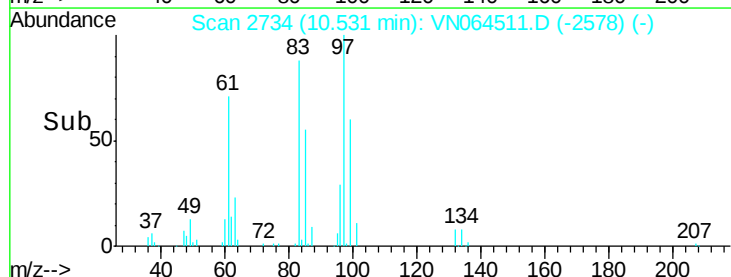
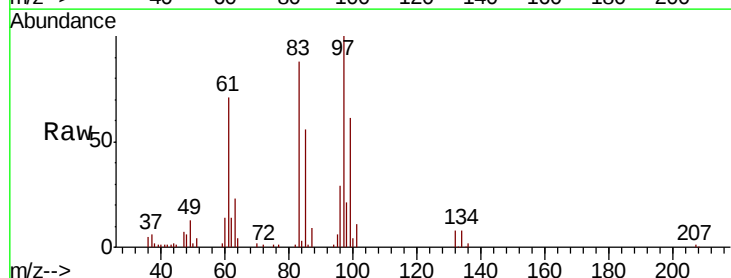
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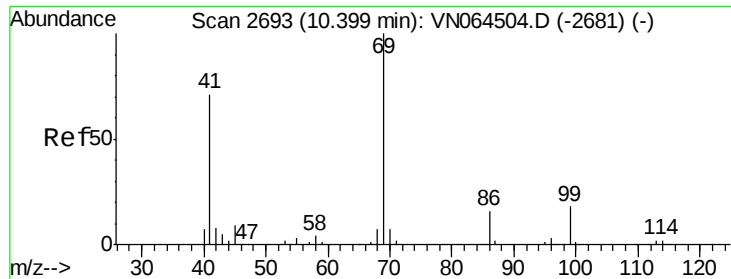
MMDadoda
 11/10/2020 1:10:42 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.602 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	74.2	111.4
85	55.8	44.8	67.2
99	61.4	50.5	75.7





#51

Ethyl methacrylate

Concen: 18.771 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

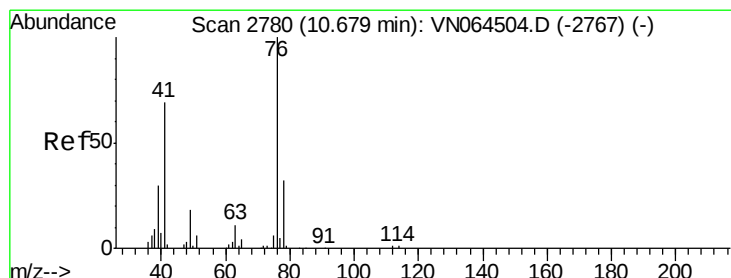
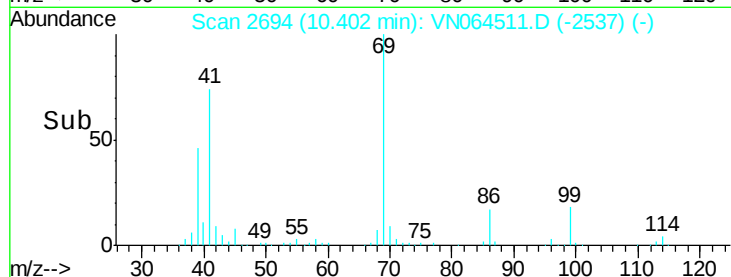
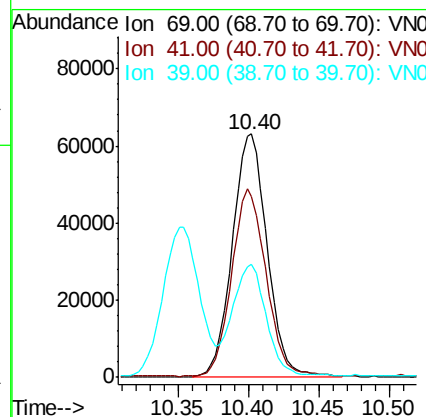
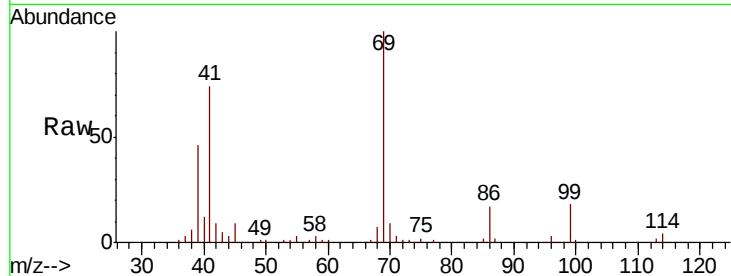
ClientSampleId :

VN1109WBSD01

Tot Ion:	69	Resp:	109484
Ion	Ratio	Lower	Upper
69	100		
41	73.7	35.4	106.1
39	45.6	24.1	72.2

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11/10/2020 1:10:42 PM



#52

1,3-Dichloropropane

Concen: 20.328 ug/l

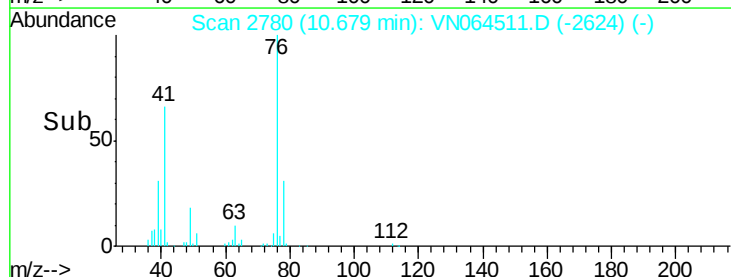
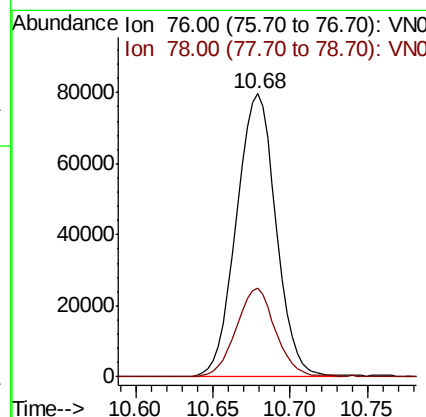
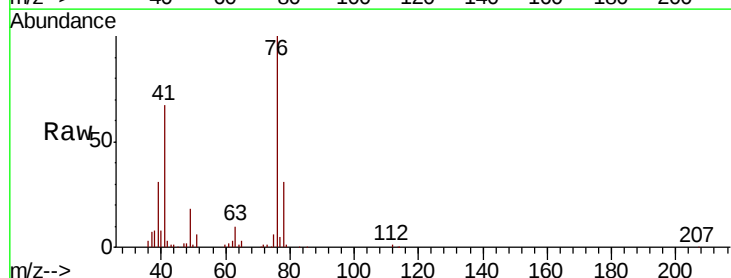
RT: 10.68 min Scan# 2780

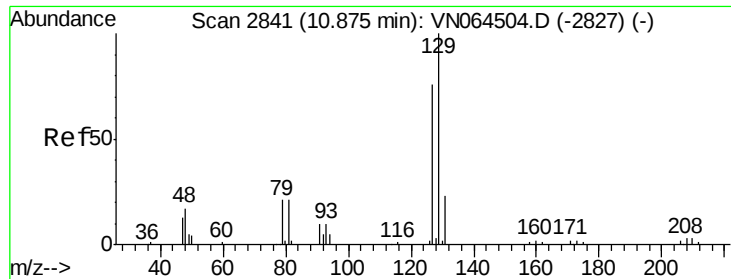
Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion:	76	Resp:	142139
Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	65.2





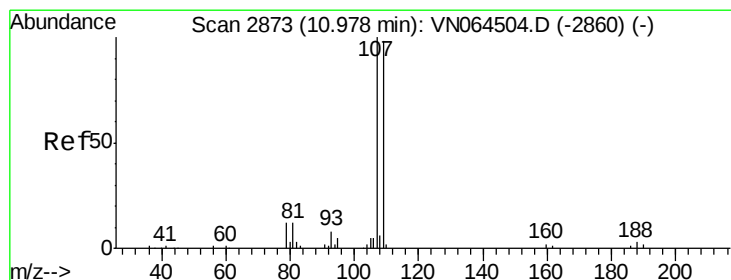
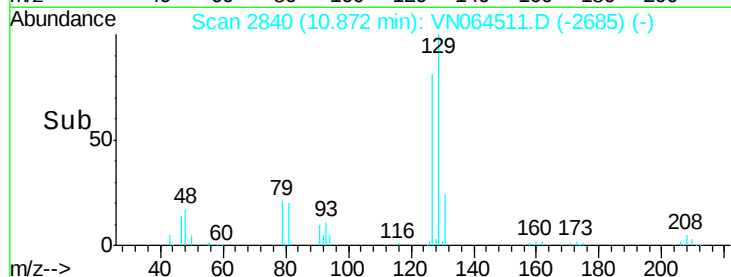
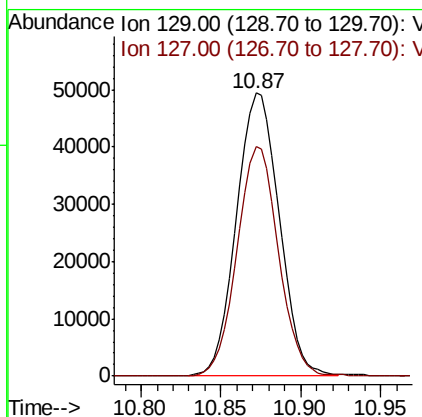
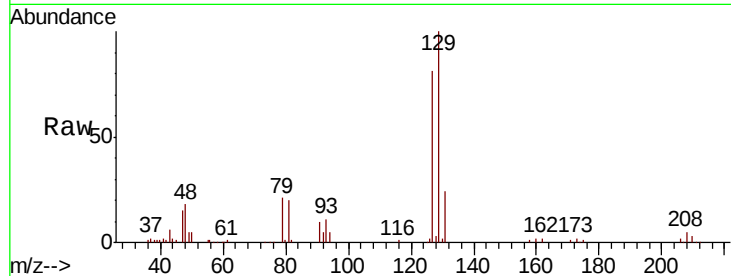
#53
 Dibromochloromethane
 Concen: 19.365 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion:129 Resp: 90268
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.2

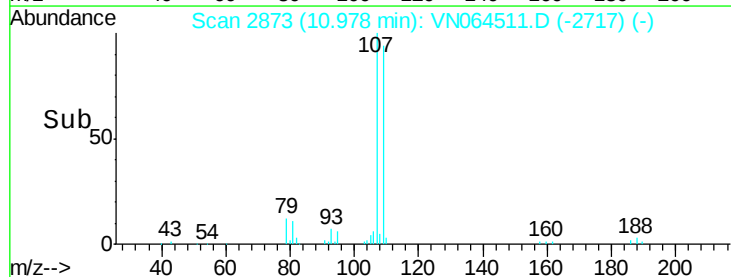
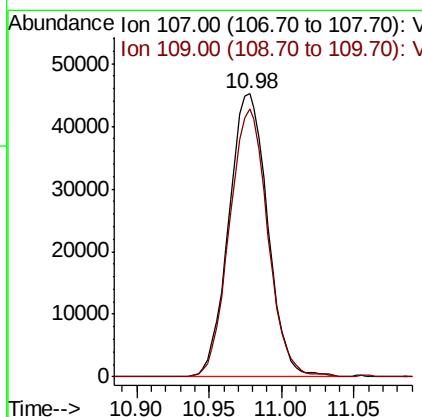
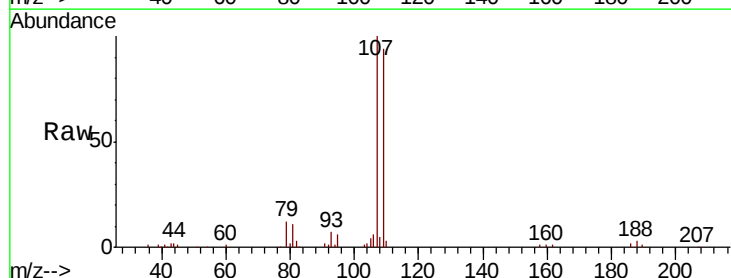
Manual Integrations
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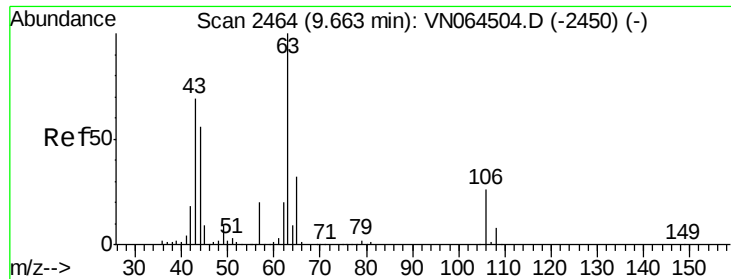
MMDadoda
 11/10/2020 1:10:42 PM



#54
 1,2-Dibromoethane
 Concen: 20.207 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion:107 Resp: 84124
 Ion Ratio Lower Upper
 107 100
 109 92.9 77.2 115.8





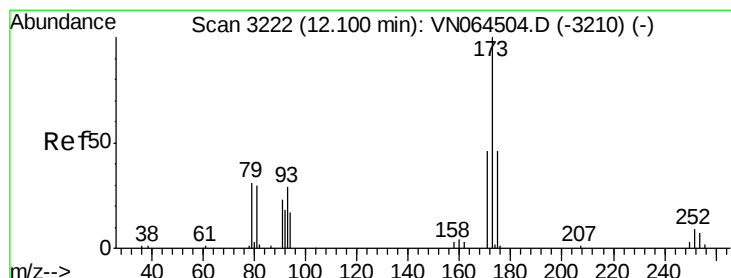
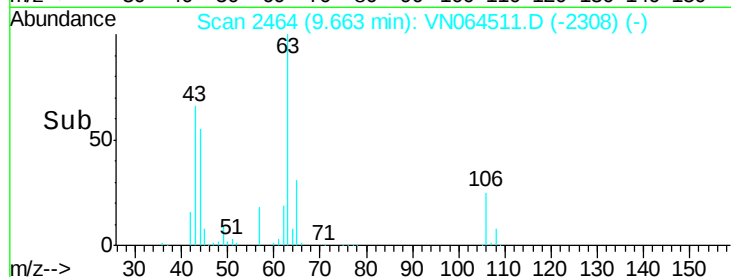
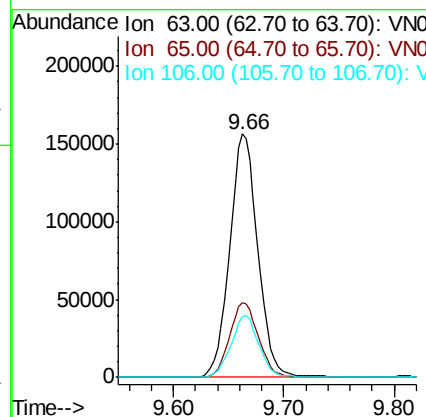
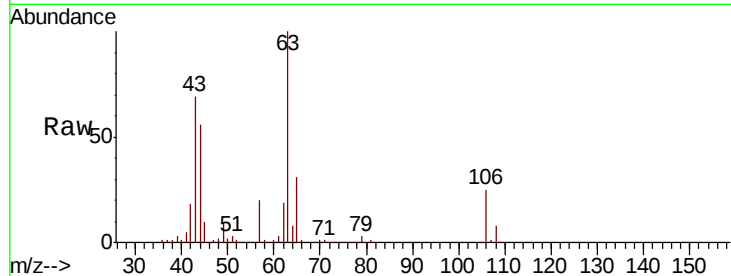
#55
2-Chloroethyl vinyl ether
Concen: 90.462 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.7	38.5
106	25.2	19.9	29.9

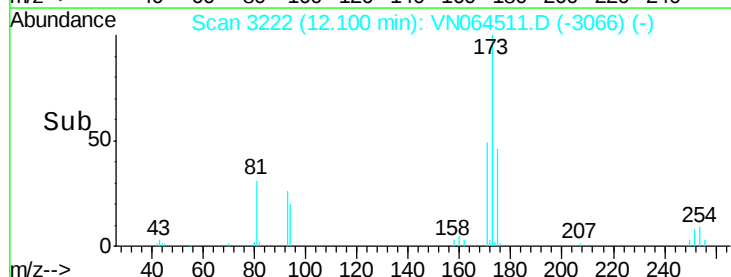
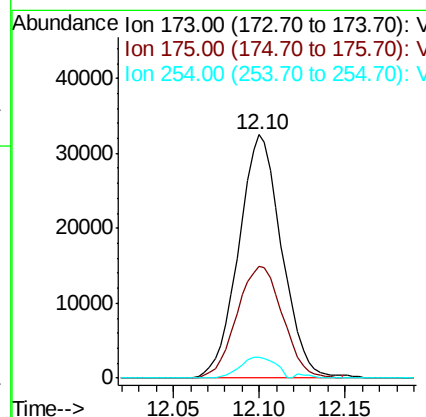
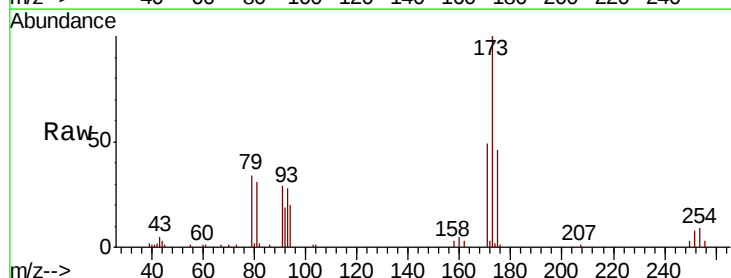
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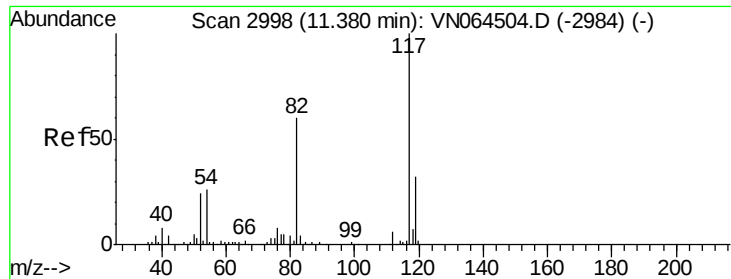
MMDadoda
11/10/2020 1:10:42 PM



#56
Bromoform
Concen: 18.440 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	37.1	55.7
254	7.0	5.4	8.2





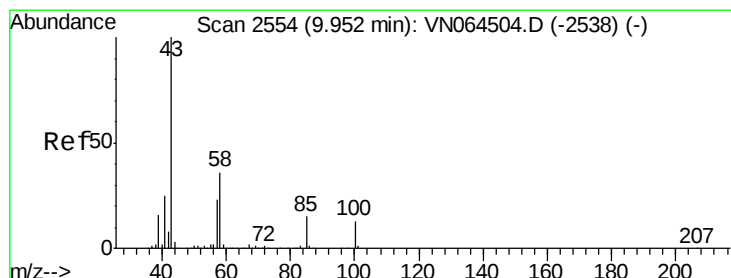
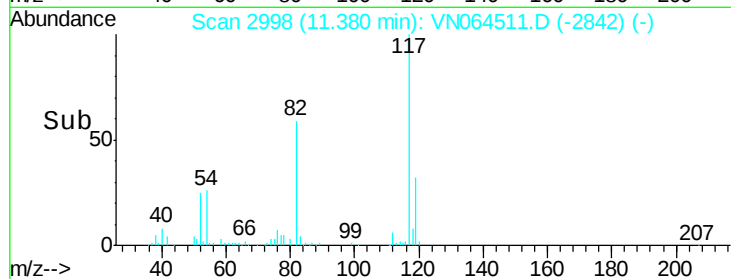
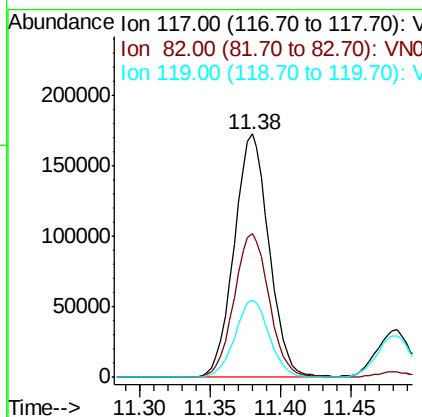
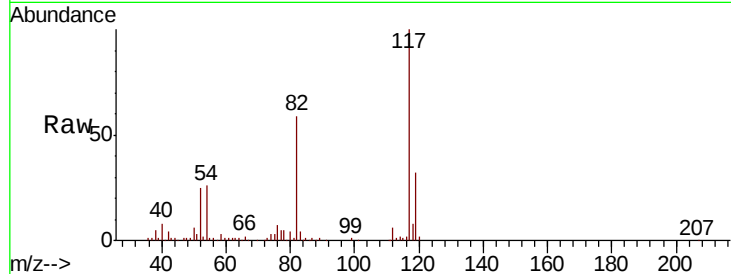
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299712		
82	59.3	47.8	71.8	
119	31.3	25.7	38.5	

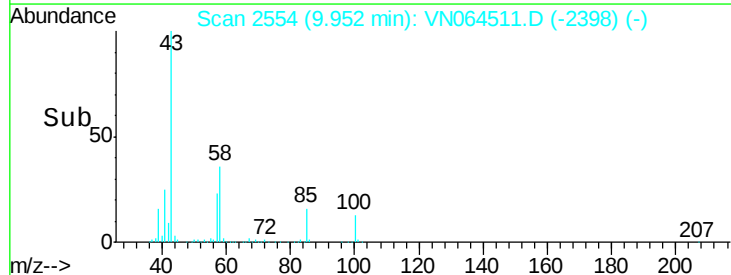
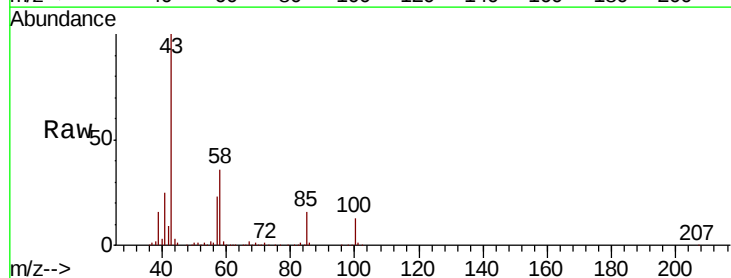
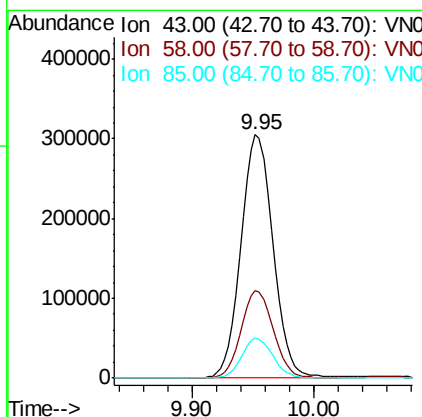
Manual Integrations
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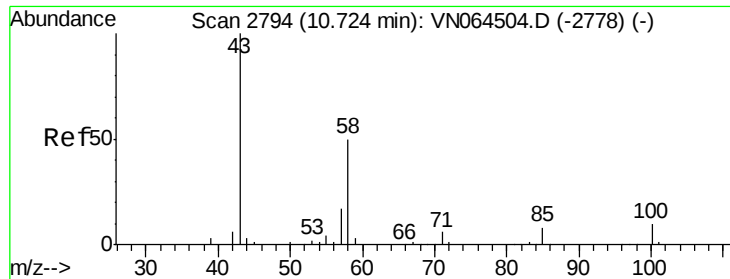
MMDadoda
11/10/2020 1:10:42 PM



#58
4-Methyl-2-Pentanone
Concen: 100.108 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	550982		
58	36.2	28.8	43.2	
85	16.0	12.3	18.5	





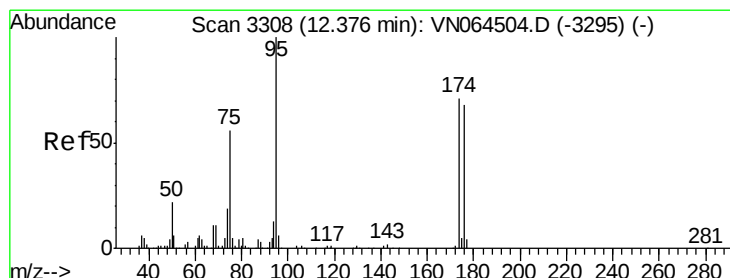
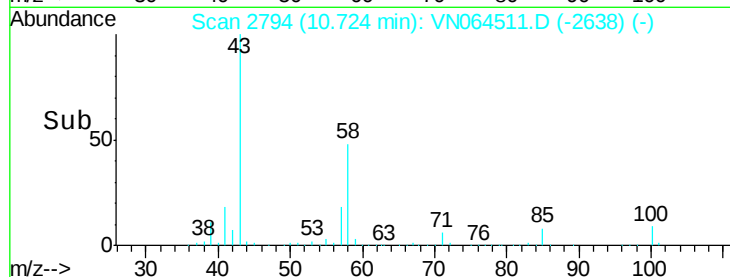
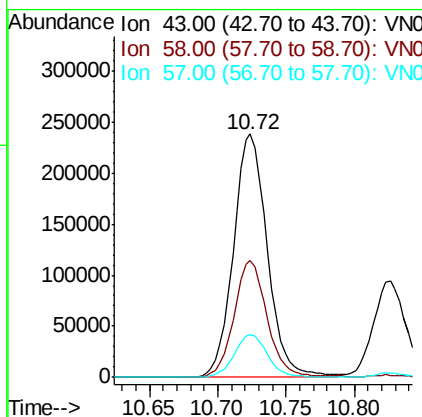
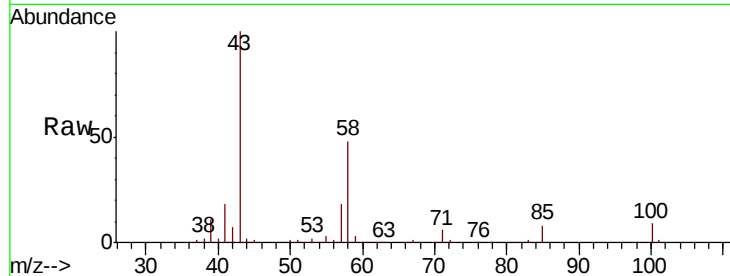
#59
2-Hexanone
Concen: 98.189 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.2	57.4
57	17.4	13.8	20.8

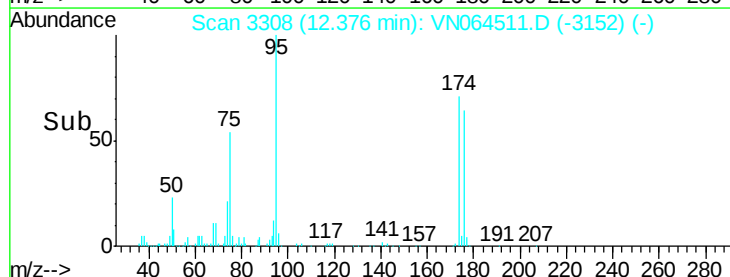
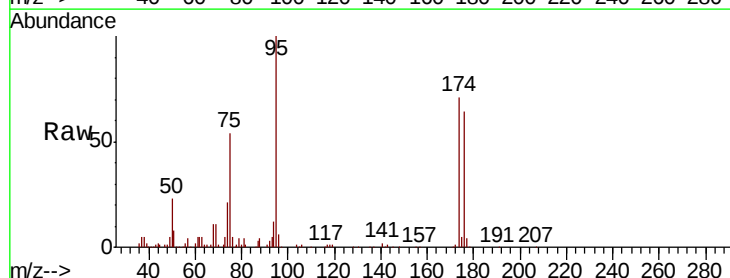
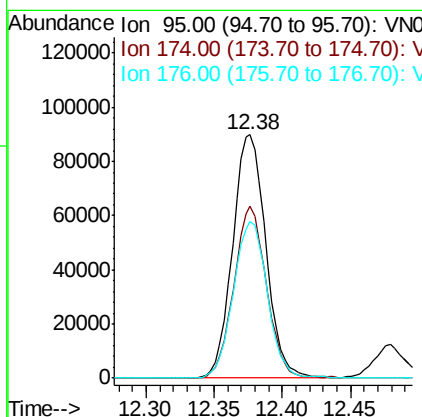
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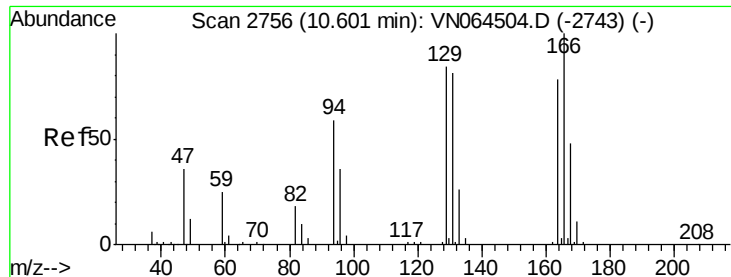
MMDadoda
11/10/2020 1:10:42 PM



#60
4-Bromofluorobenzene
Concen: 29.651 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	56.4	84.6
176	65.7	53.3	79.9





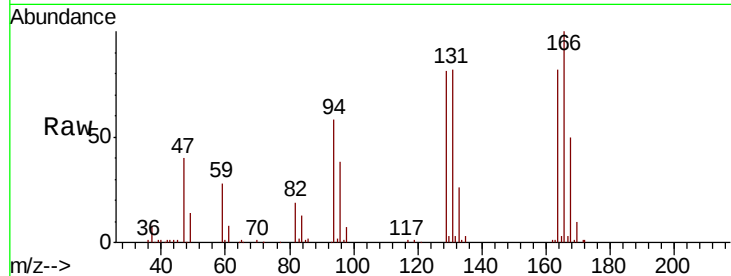
#61
Tetrachloroethene
Concen: 21.047 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.2	154.8
129	98.7	86.4	129.6
131	100.2	84.0	126.0

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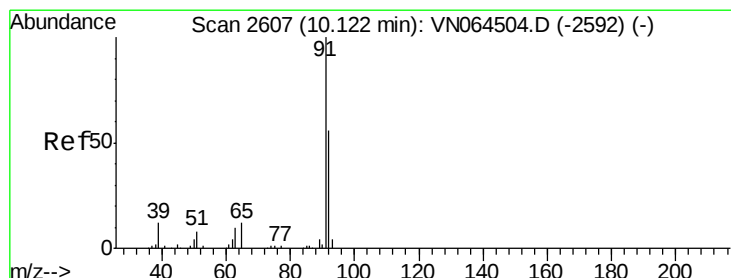
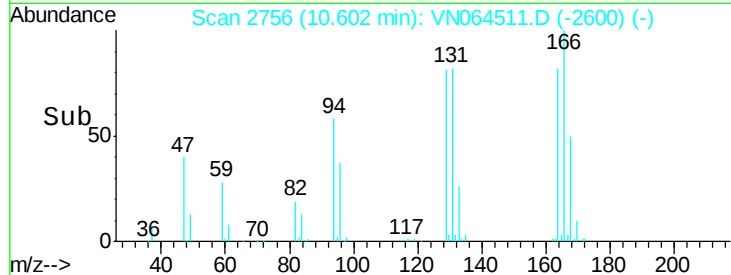
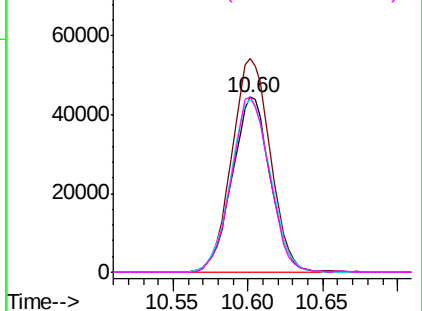
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

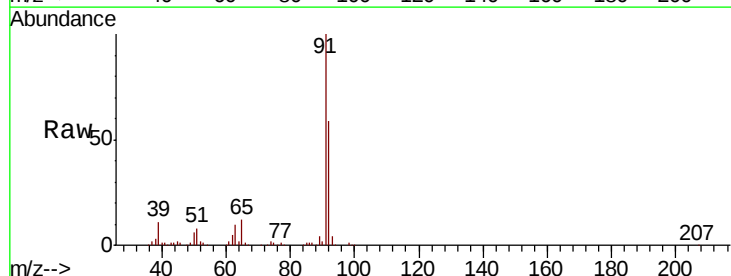
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.016 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

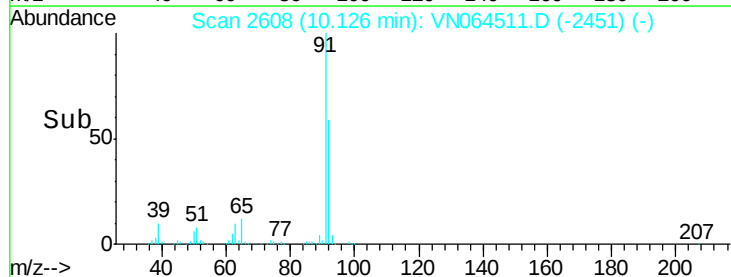
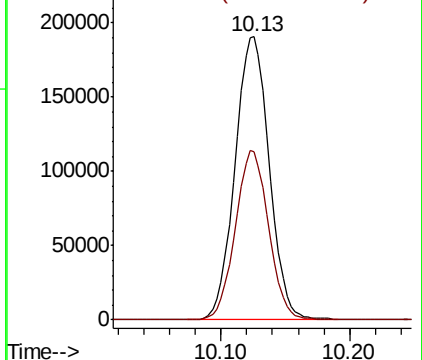
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.4	68.2

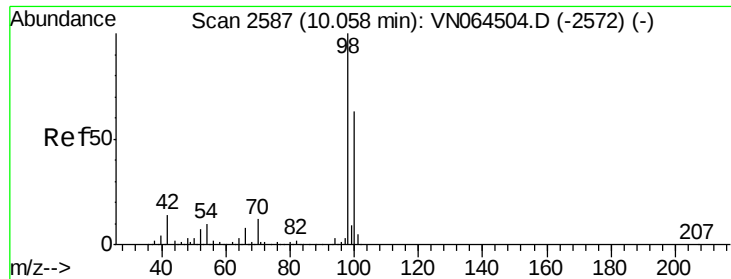


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.908 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 98 Resp: 418042

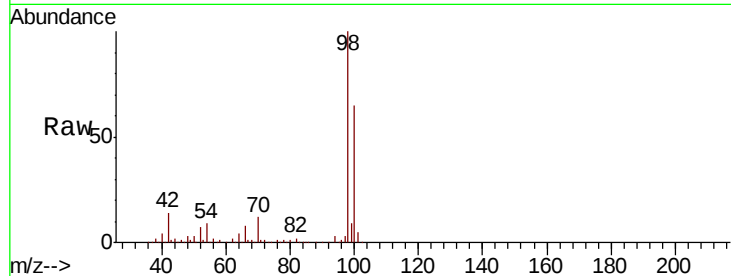
Ion Ratio Lower Upper

98 100

100 64.6 49.4 74.2

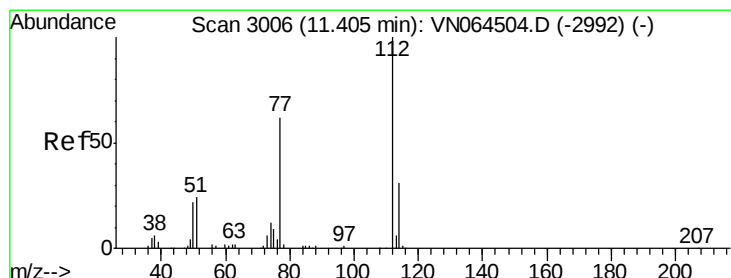
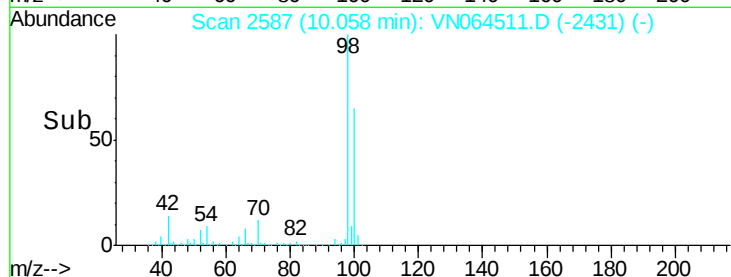
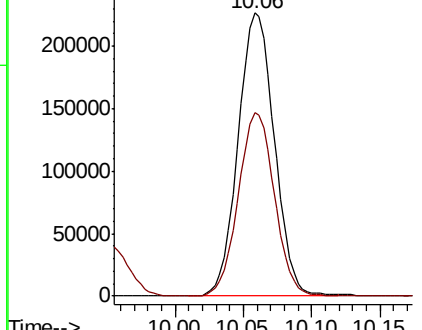
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Abundance Ion 98.00 (97.70 to 98.70): VN064511.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064511.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.066 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064511.D

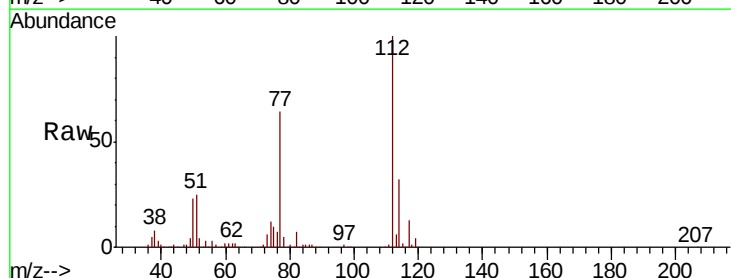
Acq: 9 Nov 2020 17:10

Tgt Ion: 112 Resp: 209939

Ion Ratio Lower Upper

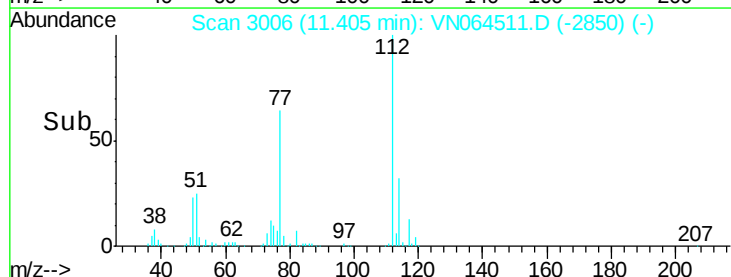
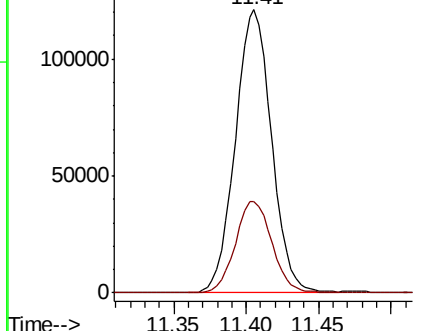
112 100

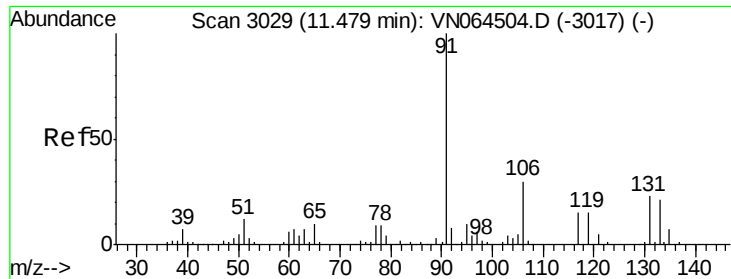
114 32.5 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064511.D (-2850) (-)

Ion 114.00 (113.70 to 114.70): VN064511.D (-2850) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.329 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:131 Resp: 83148

Ion Ratio Lower Upper

131 100

133 94.3 0.0 191.2

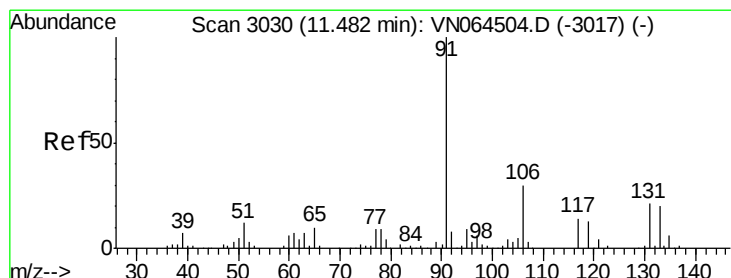
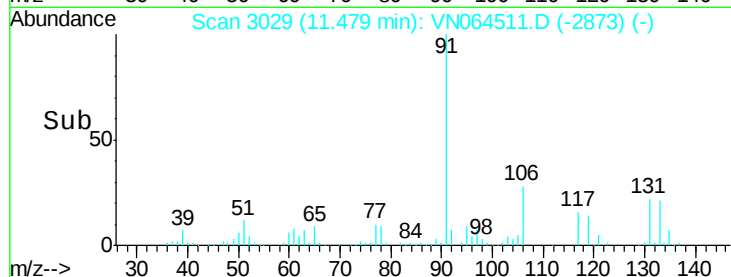
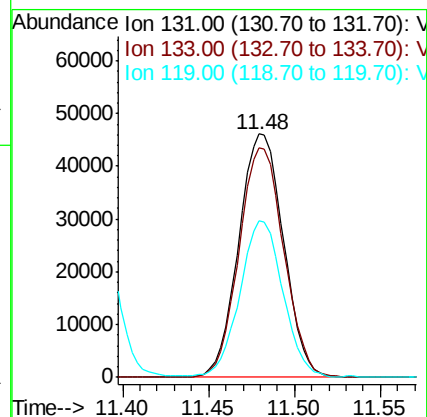
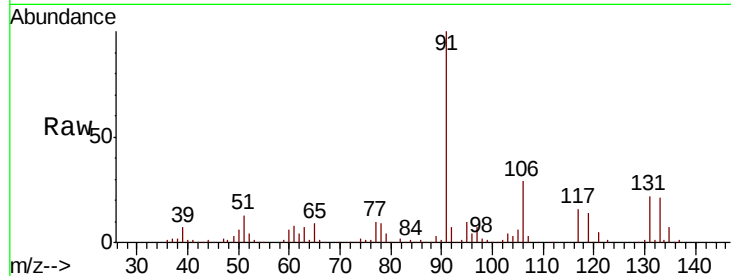
119 62.0 0.0 131.6

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#66

Ethyl Benzene

Concen: 19.674 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064511.D

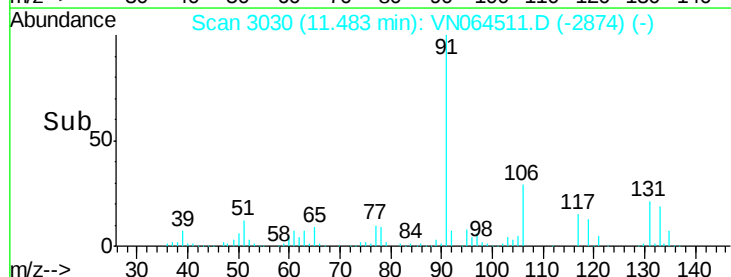
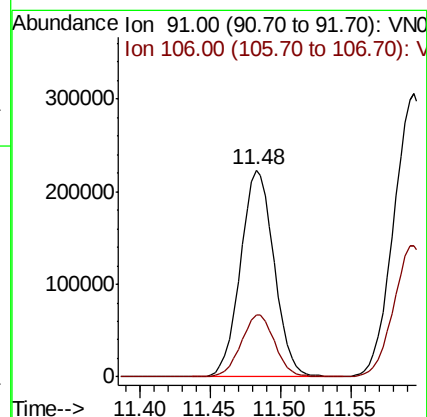
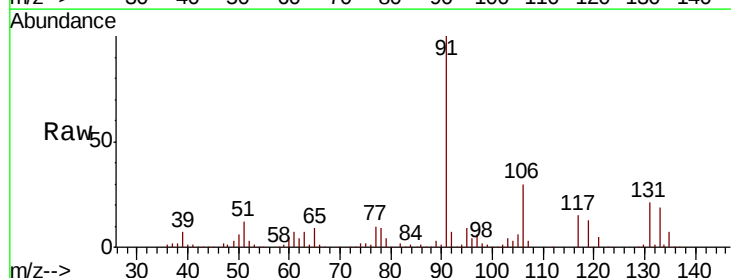
Acq: 9 Nov 2020 17:10

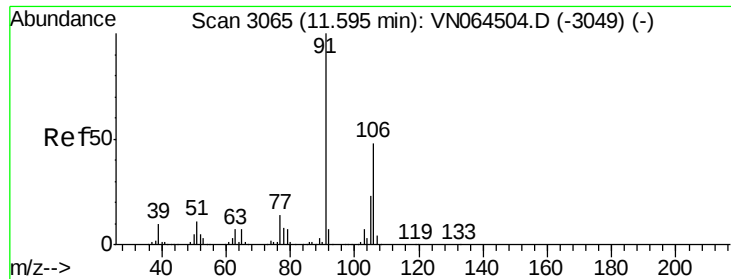
Tgt Ion: 91 Resp: 373724

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9





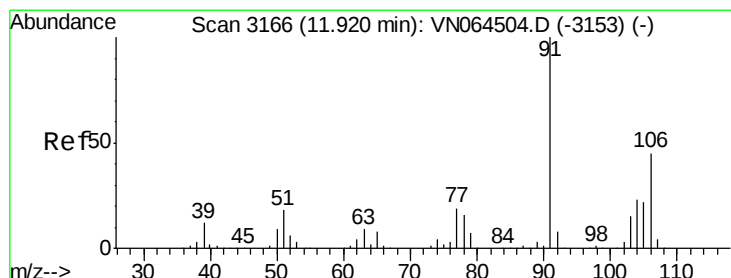
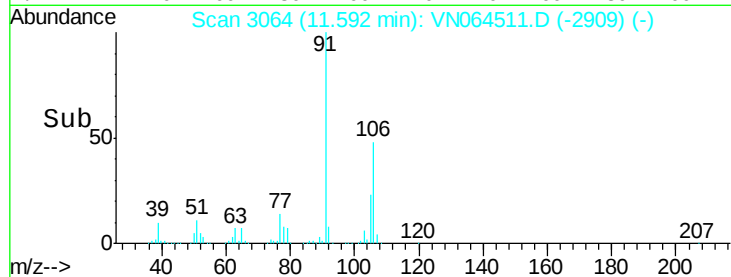
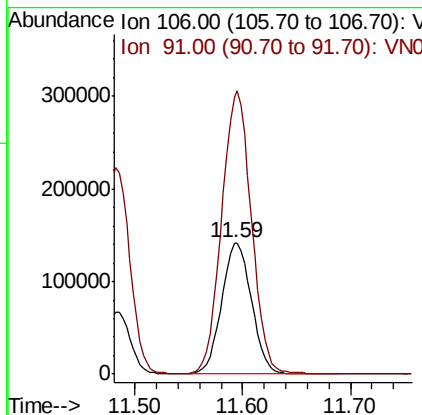
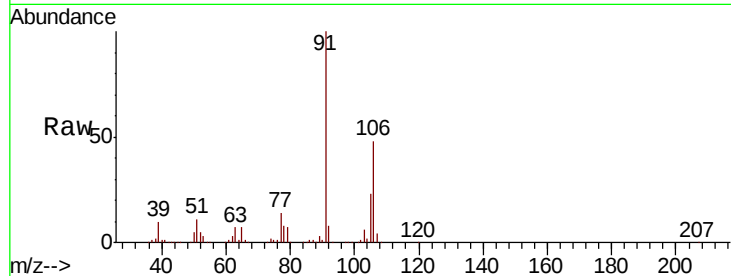
#67
m/p-Xvlenes
Concen: 39.100 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:106 Resp: 274139
Ion Ratio Lower Upper
106 100
91 213.3 168.8 253.2

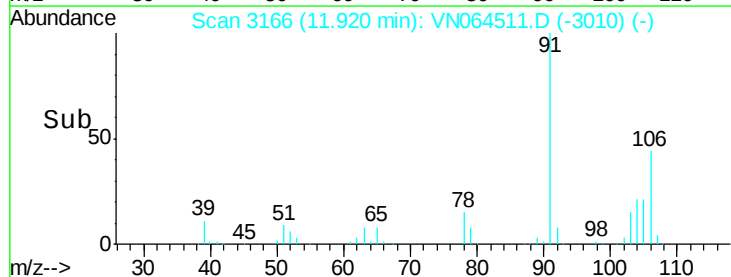
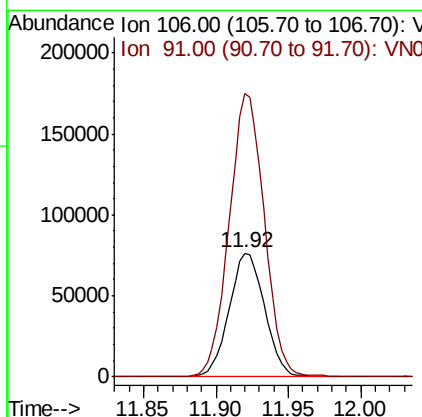
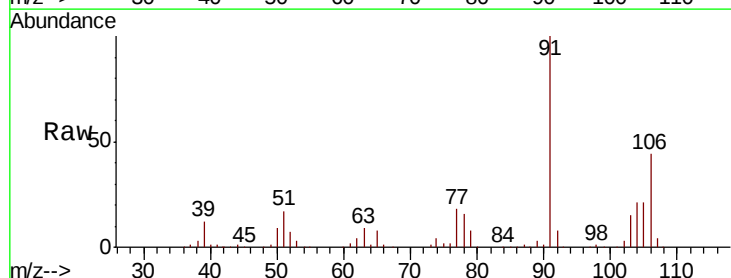
Manual Integrations
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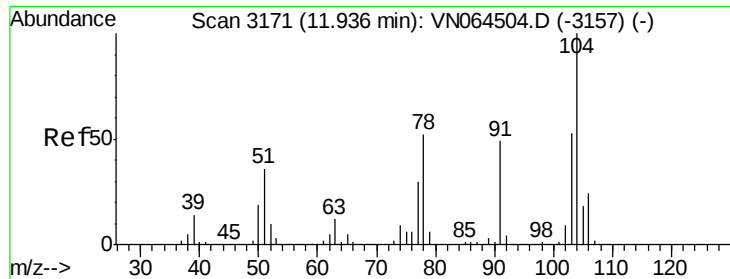
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#68
o-Xylene
Concen: 19.519 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion:106 Resp: 129508
Ion Ratio Lower Upper
106 100
91 227.0 109.7 329.2





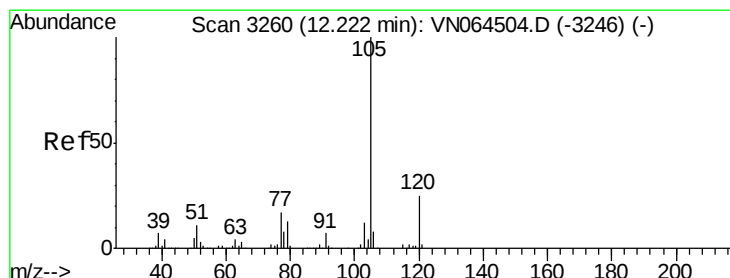
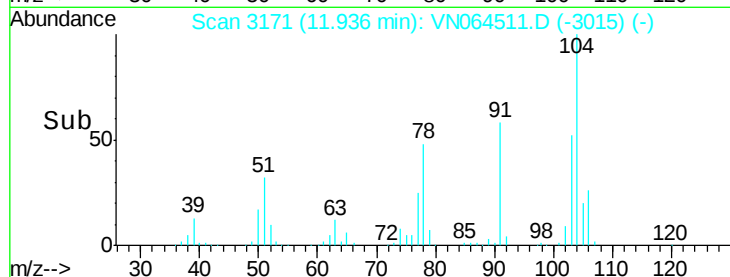
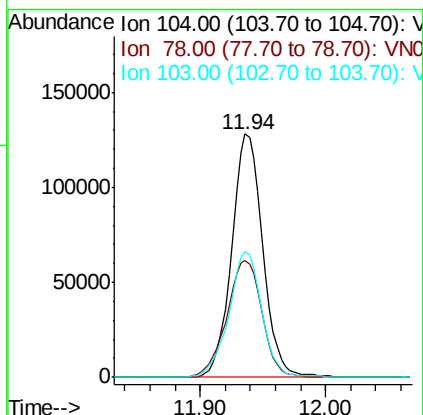
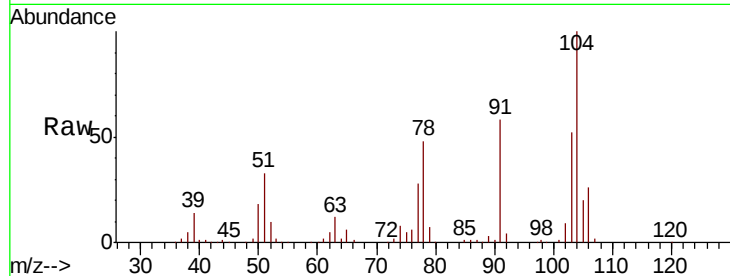
#69
Stvrene
Concen: 19.402 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.7	44.4	66.6
103	54.5	44.6	67.0

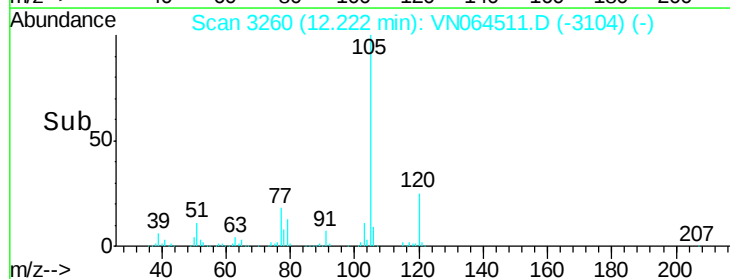
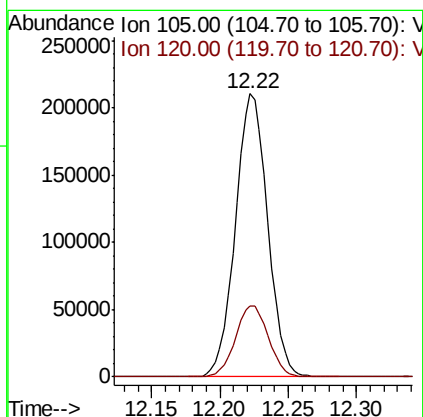
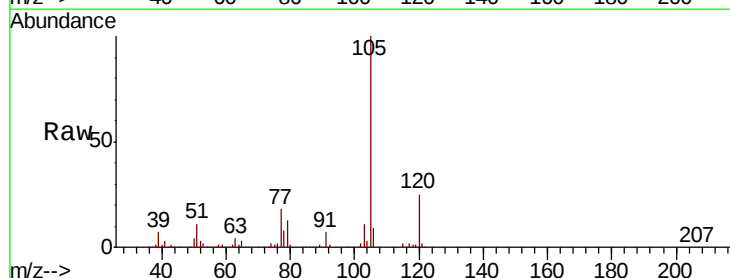
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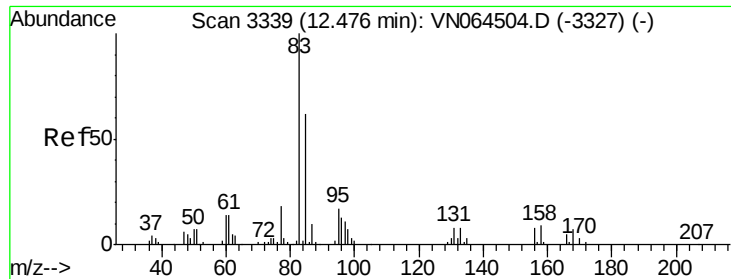
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#70
Isopropylbenzene
Concen: 19.848 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	17.9	33.3





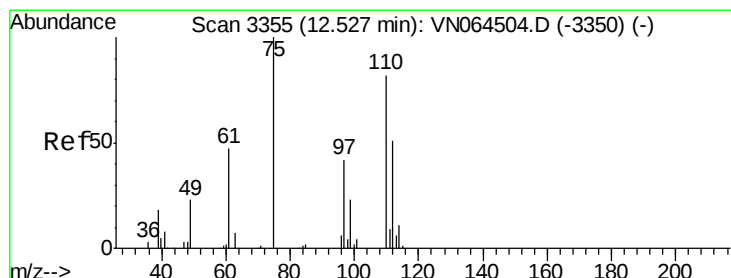
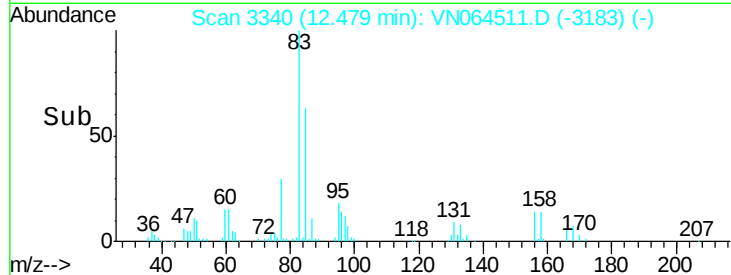
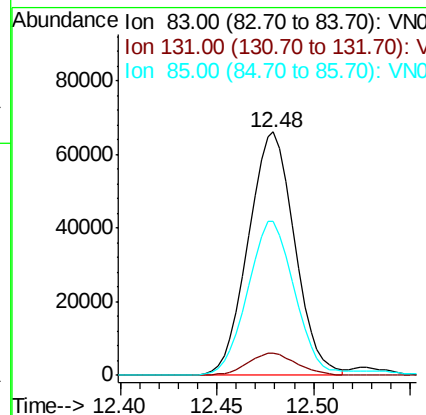
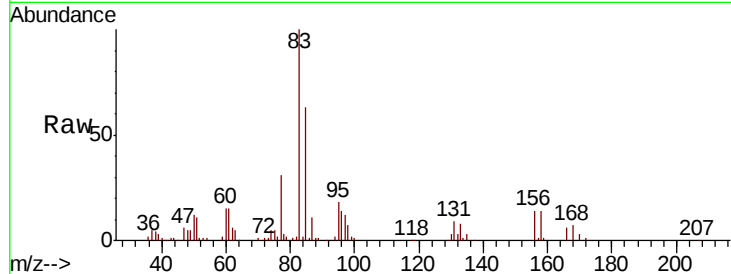
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.858 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	83	Resp	110440
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.6	13.8
85	64.4	31.4	94.0

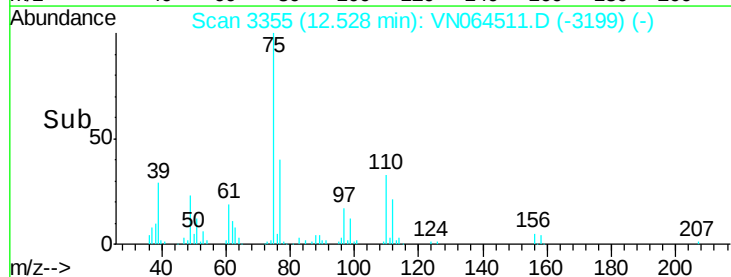
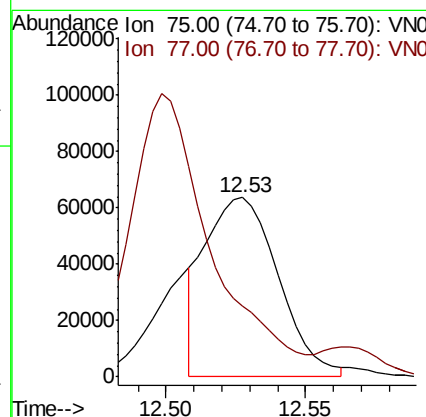
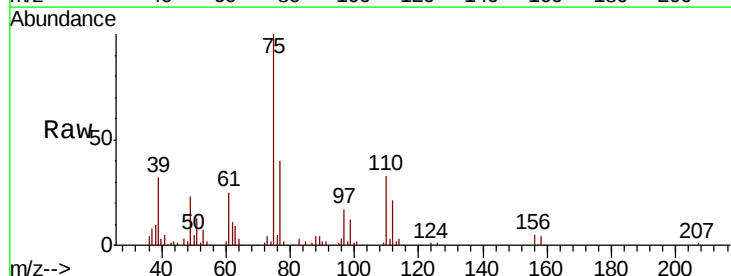
Manual Integrations
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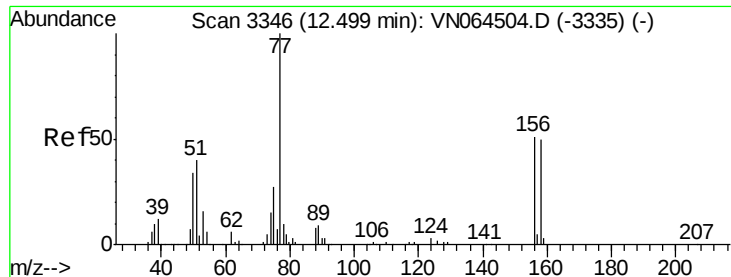
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 11/10/2020 1:10:42 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.985 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	75	Resp	116393
Ion Ratio	100	Lower	Upper
75	100		
77	175.0	0.0	379.4





#73

Bromobenzene

Concen: 19.867 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

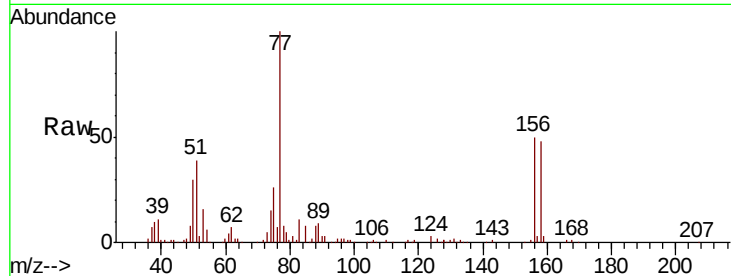
ClientSampleId :

VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.7	0.0	480.2
158	96.7	0.0	194.0

Manual Integrations
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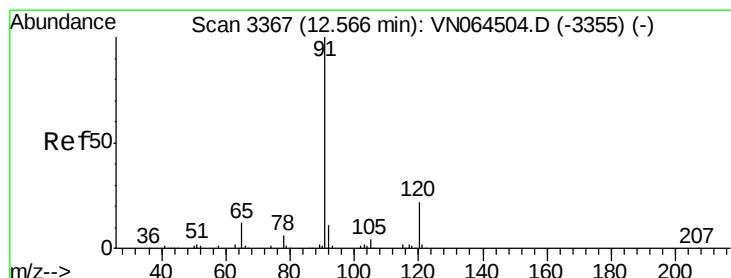
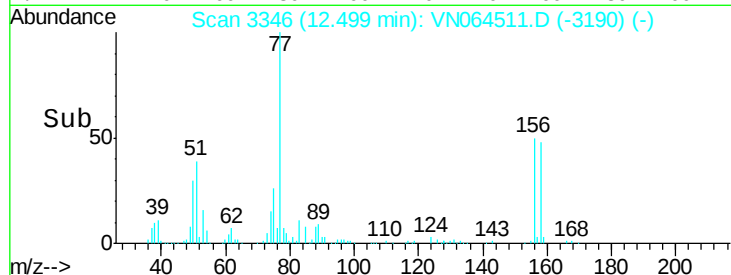
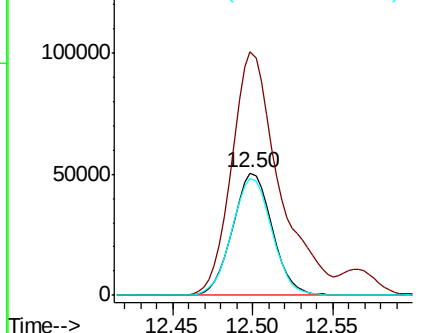
MMDadoda
11/10/2020 1:10:42 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.939 ug/l

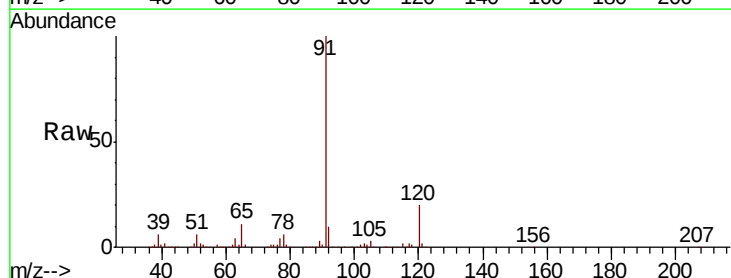
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064511.D

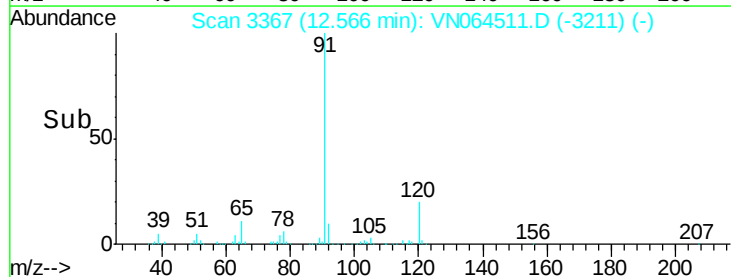
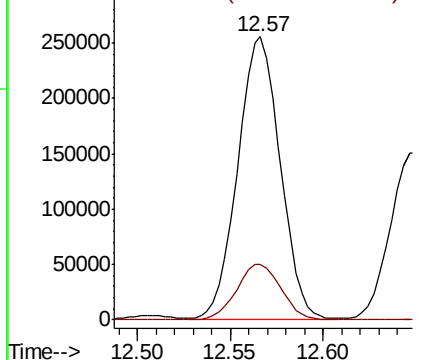
Acq: 9 Nov 2020 17:10

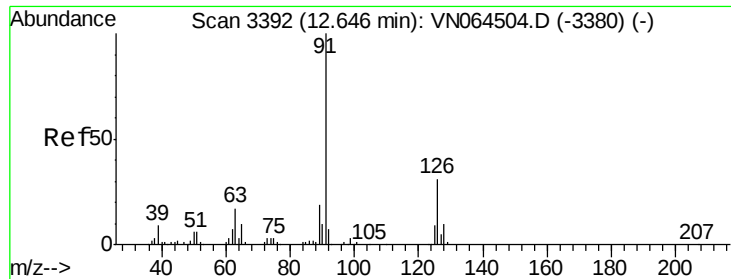
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	0.0	42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.689 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 91 Resp: 252882

Ion Ratio Lower Upper

91 100

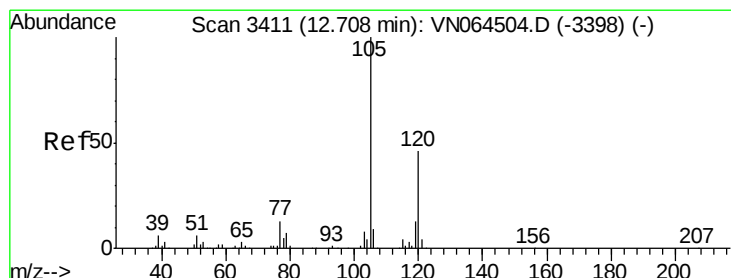
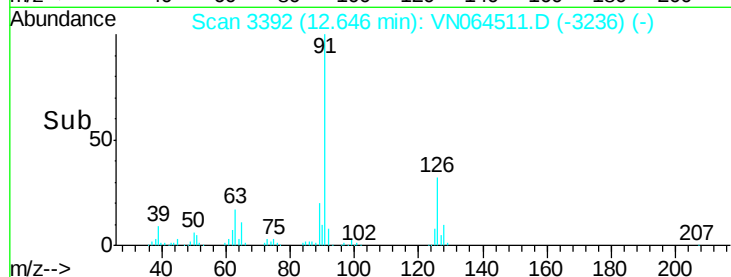
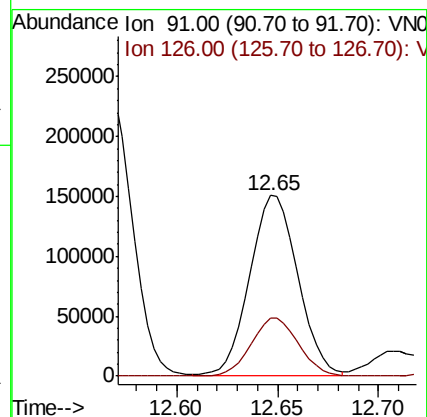
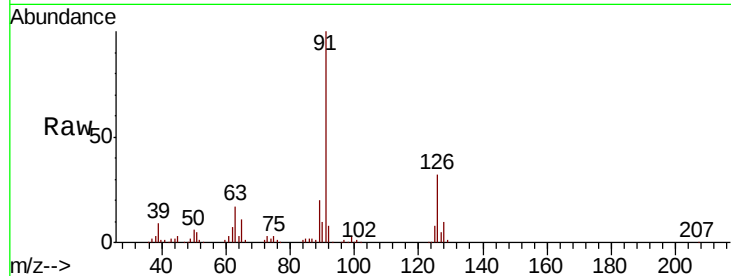
126 31.5 0.0 61.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.820 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064511.D

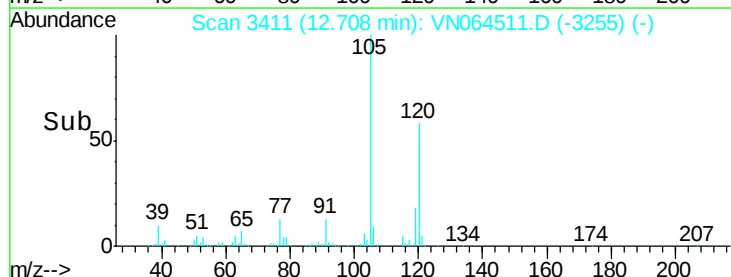
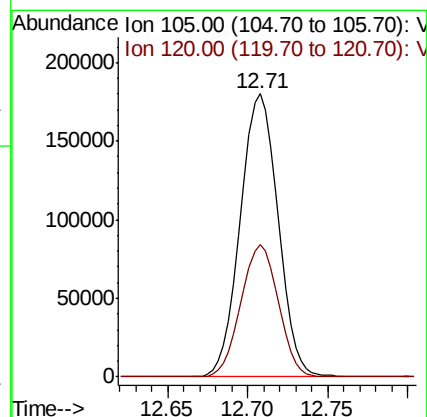
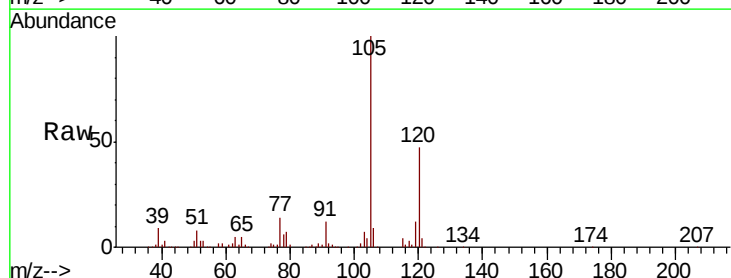
Acq: 9 Nov 2020 17:10

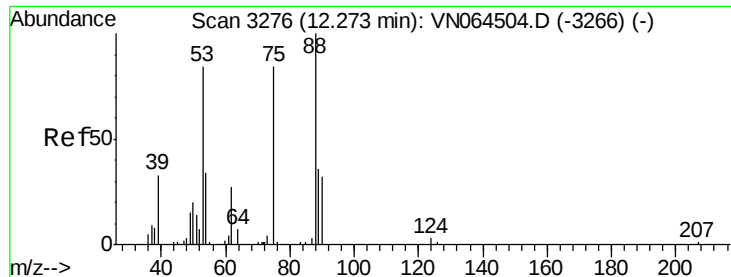
Tgt Ion: 105 Resp: 290566

Ion Ratio Lower Upper

105 100

120 46.2 0.0 90.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.246 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 75 Resp: 36898

Ion Ratio Lower Upper

75 100

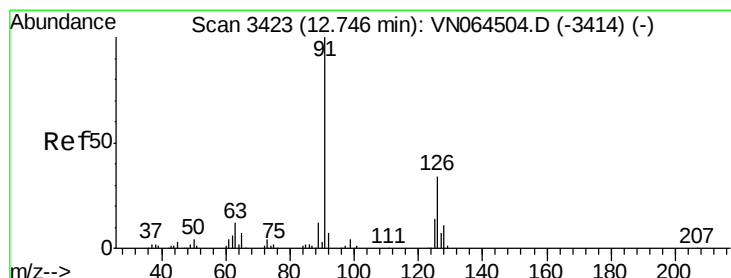
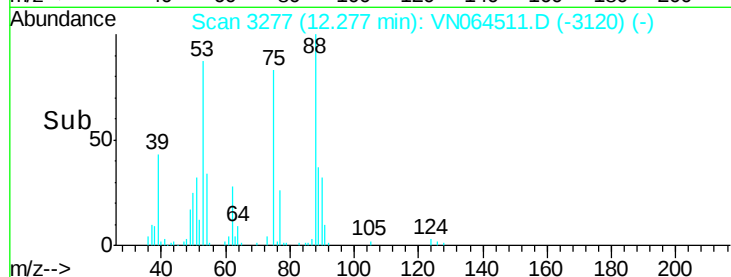
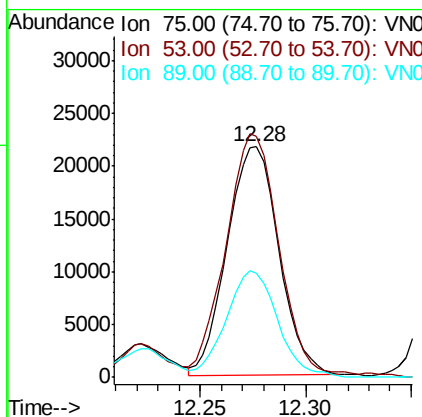
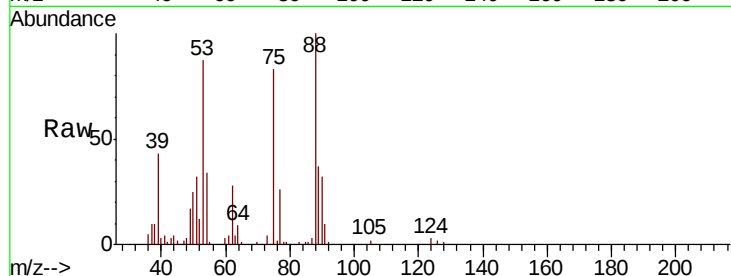
53 103.9 50.3 150.9

89 44.7 23.3 69.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.324 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064511.D

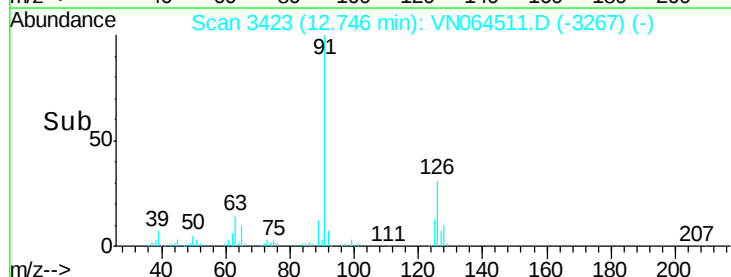
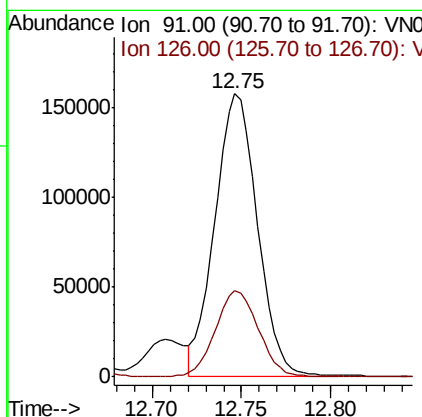
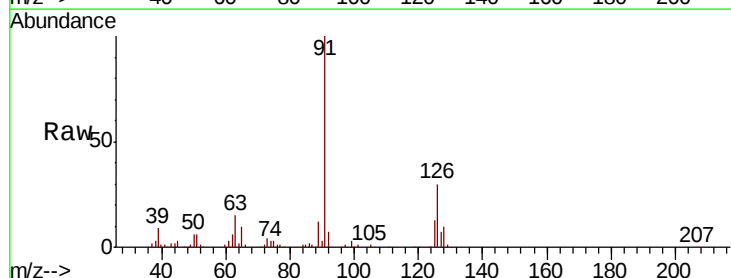
Acq: 9 Nov 2020 17:10

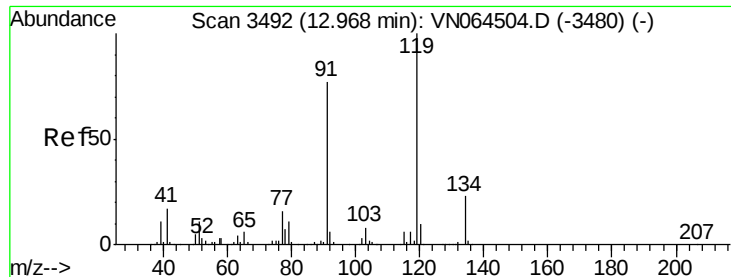
Tgt Ion: 91 Resp: 260784

Ion Ratio Lower Upper

91 100

126 31.0 0.0 61.8





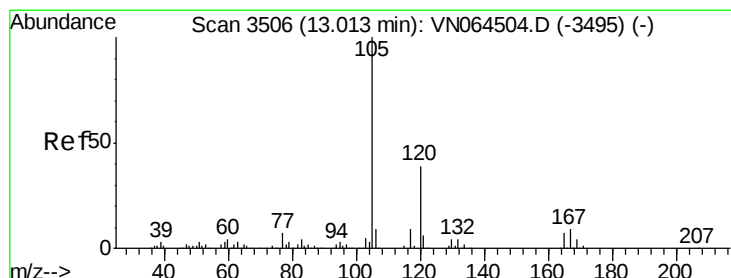
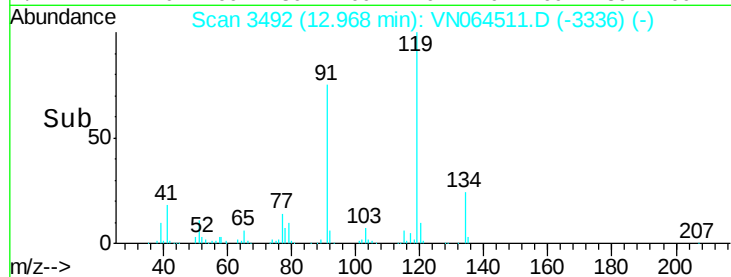
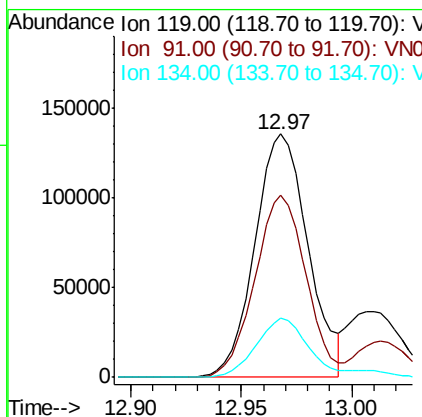
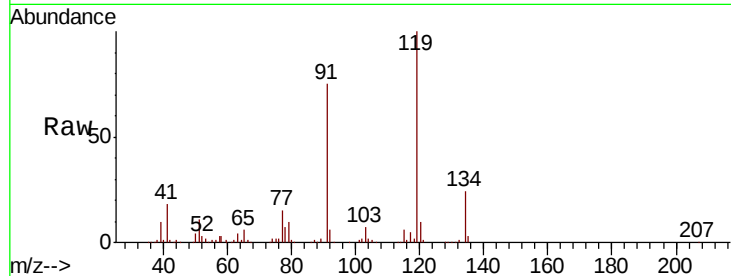
#79
tert-butylbenzene
Concen: 19.706 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226716		
91	71.7	0.0	147.8	
134	23.7	0.0	50.6	

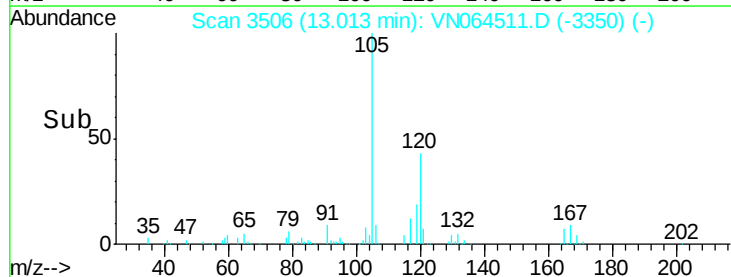
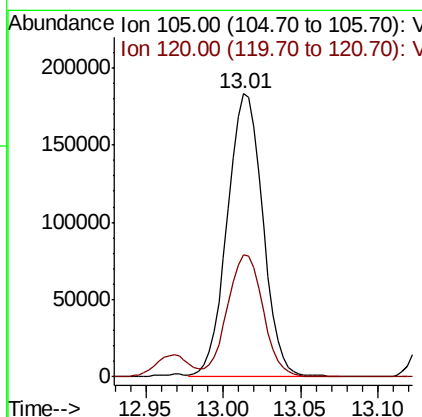
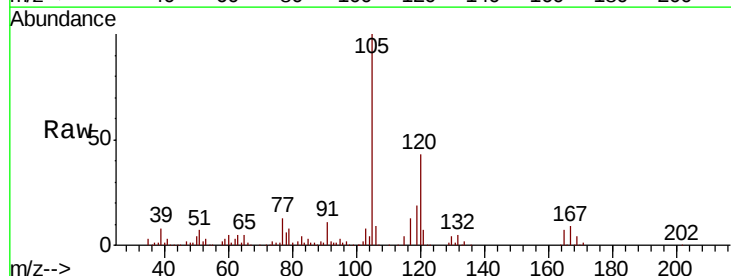
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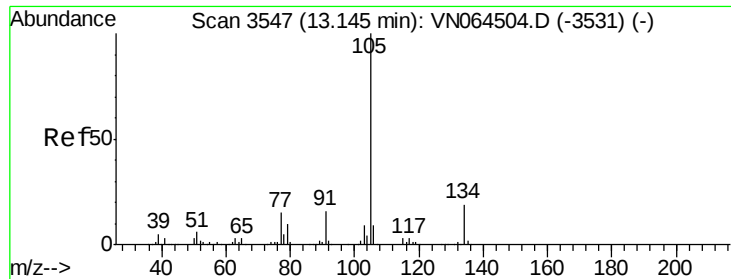
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.757 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	291880		
120	43.3	0.0	88.6	





#81

sec-Butylbenzene

Concen: 19.350 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion:105 Resp: 295110

Ion Ratio Lower Upper

105 100

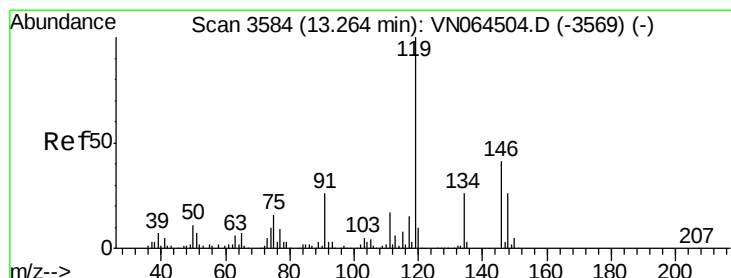
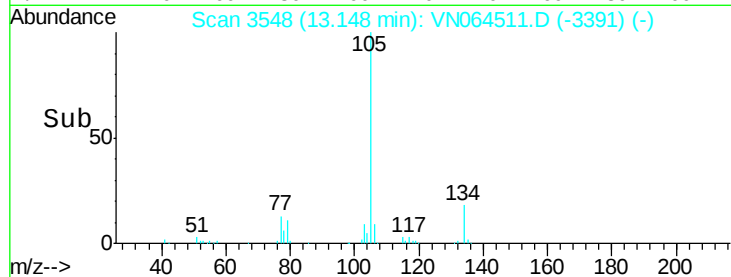
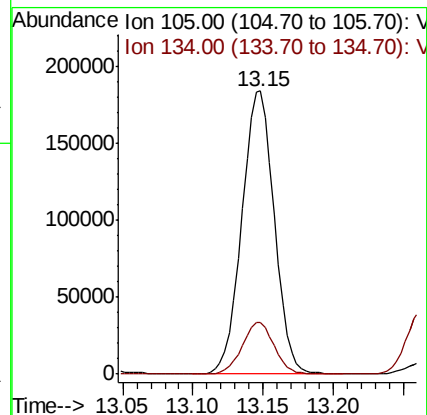
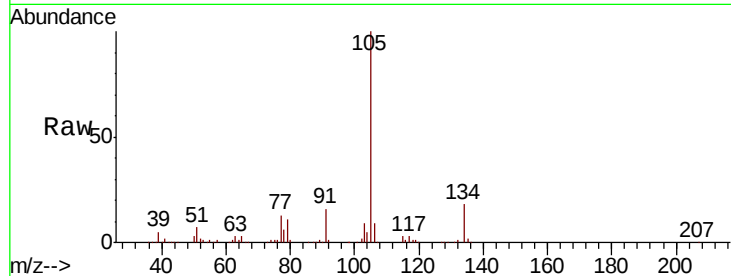
134 18.1 0.0 37.8

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#82

p-Isopropyltoluene

Concen: 19.445 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

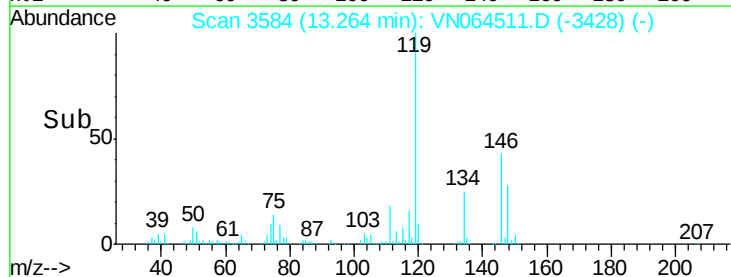
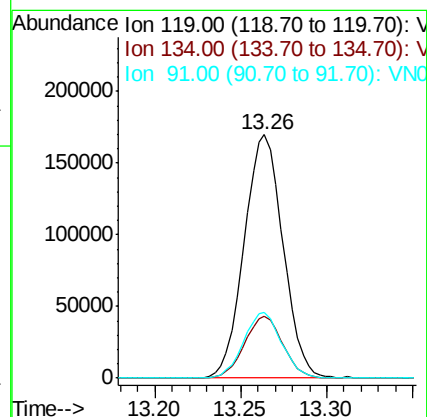
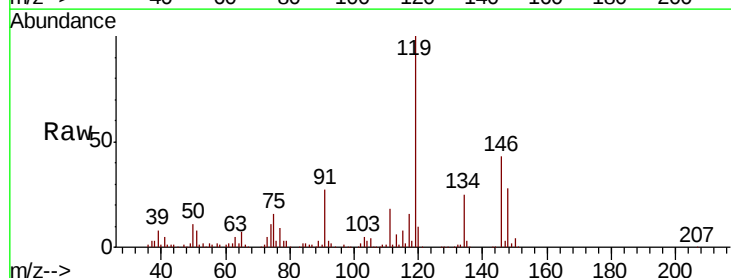
Tgt Ion:119 Resp: 264933

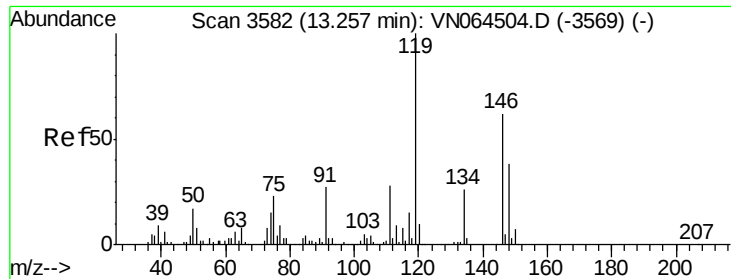
Ion Ratio Lower Upper

119 100

134 25.2 0.0 53.0

91 26.5 0.0 53.2





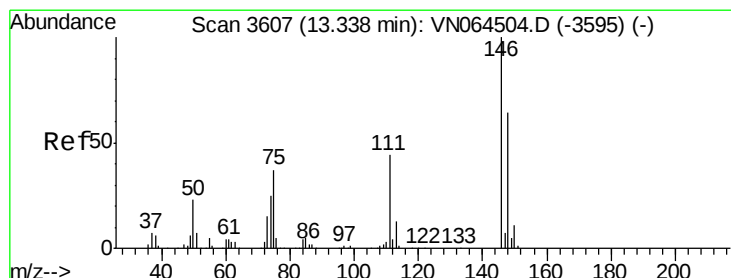
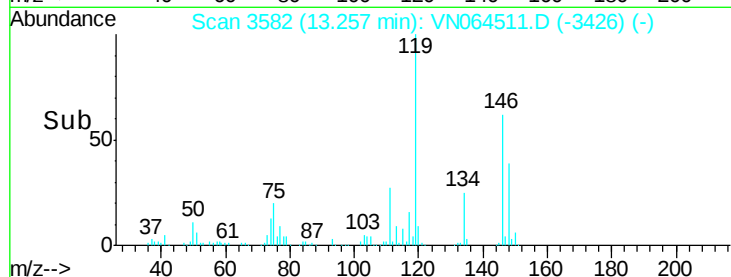
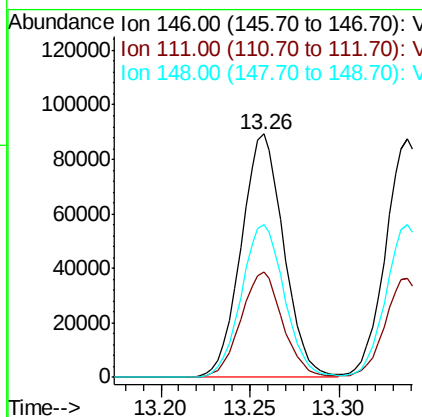
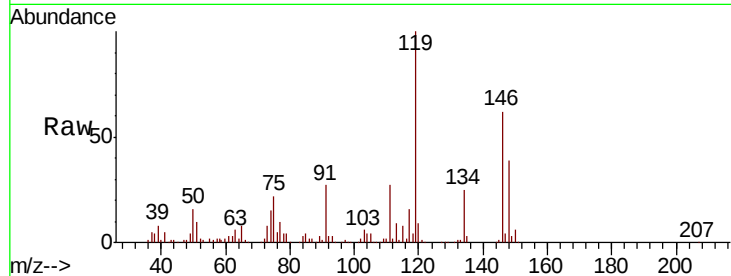
#83
 1,3-Dichlorobenzene
 Concen: 19.752 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.3	66.9
148	63.6	31.8	95.3

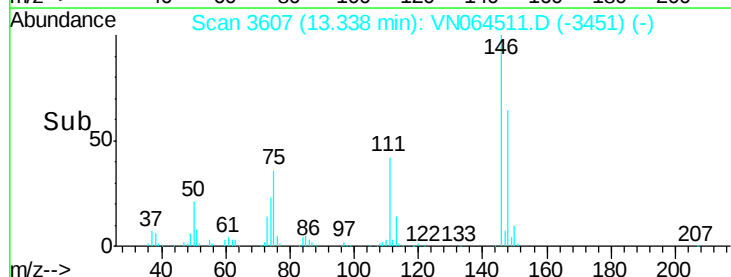
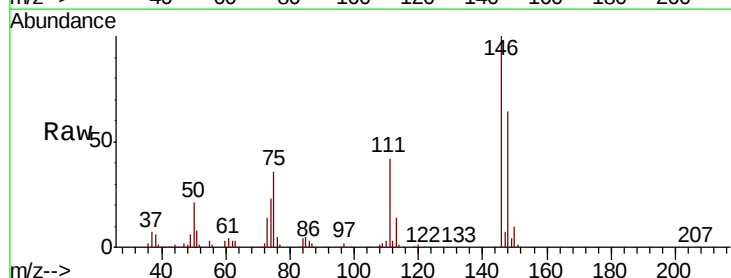
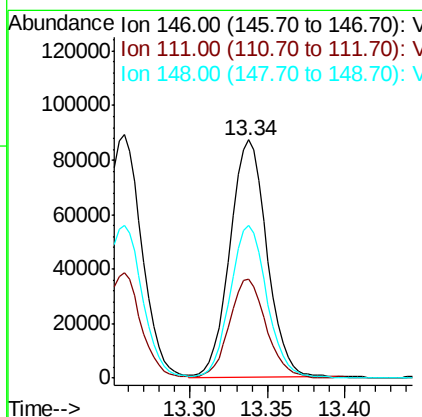
Manual Integrations
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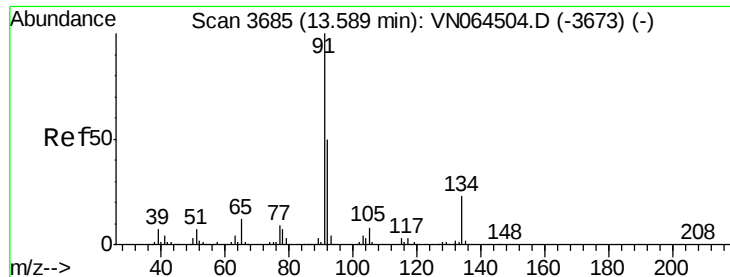
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#84
 1,4-Dichlorobenzene
 Concen: 19.144 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064511.D
 Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.8	65.4
148	64.5	31.5	94.5





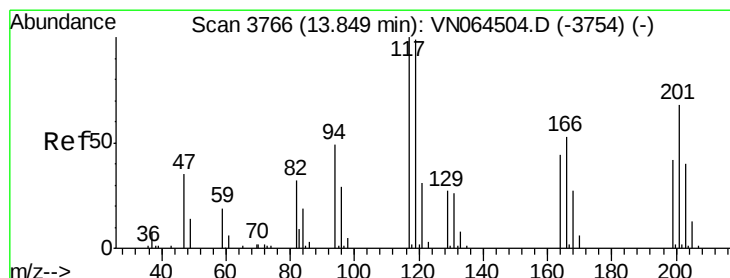
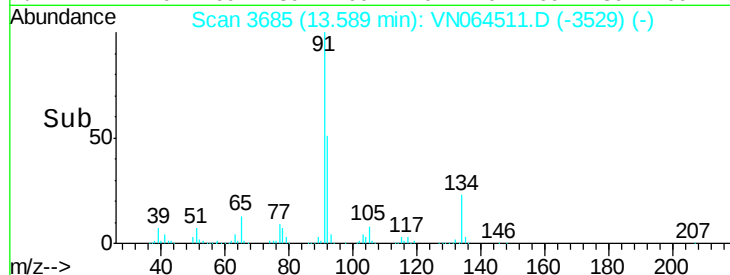
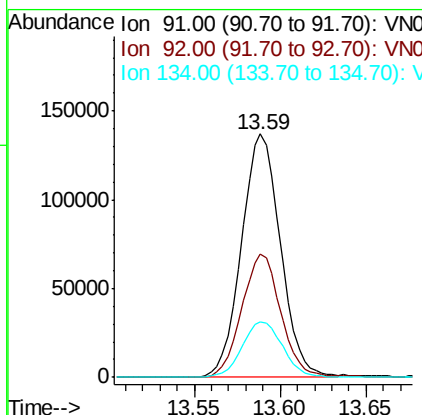
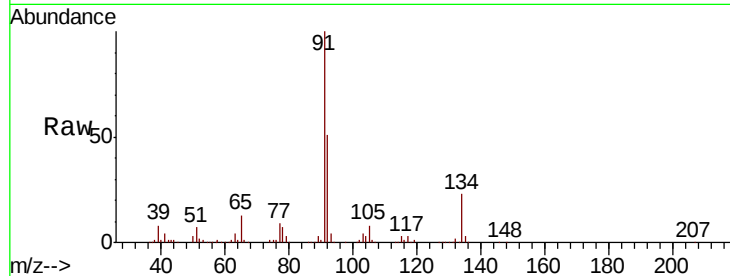
#85
n-Butylbenzene
Concen: 18.303 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216198		
92	50.5	0.0	101.4	
134	23.6	0.0	45.2	

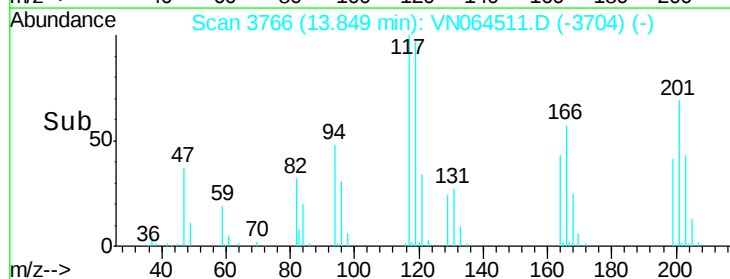
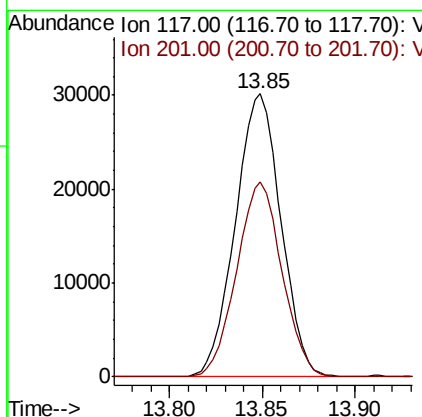
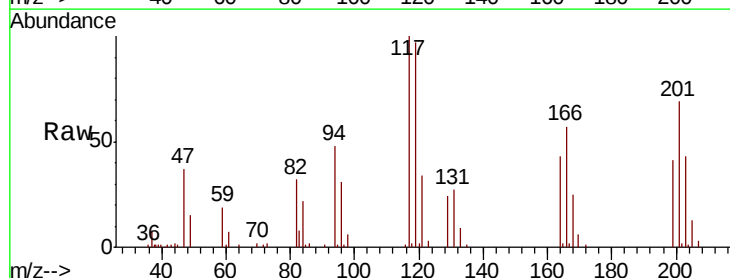
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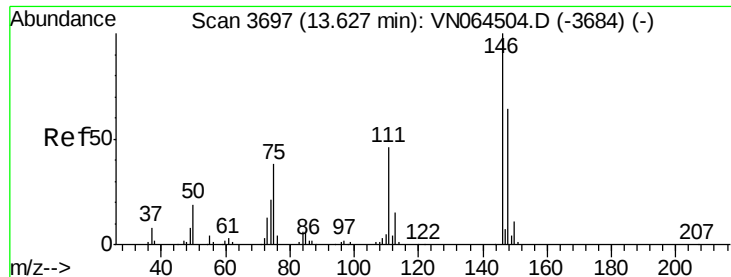
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#86
Hexachloroethane
Concen: 18.975 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51515		
201	68.3	33.1	99.3	





#87

1,2-Dichlorobenzene

Concen: 19.802 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Instrument :

MSVOA_N

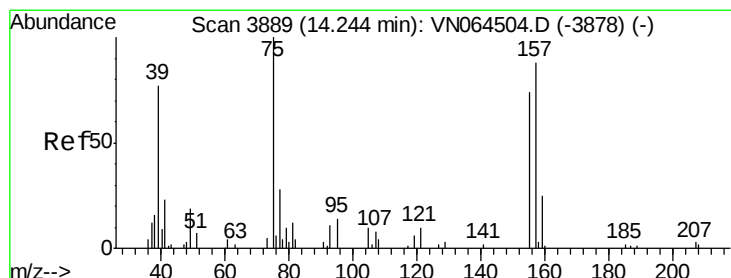
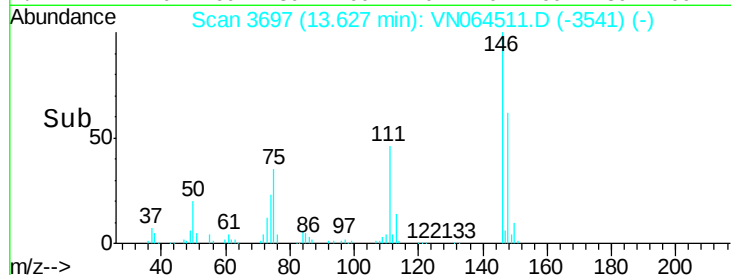
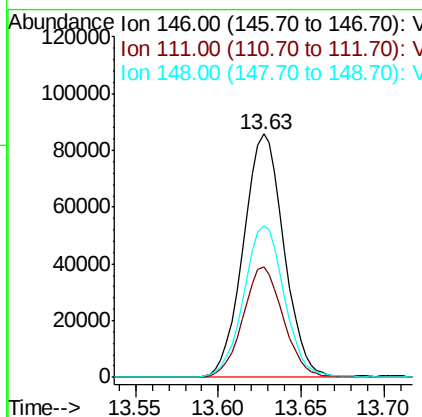
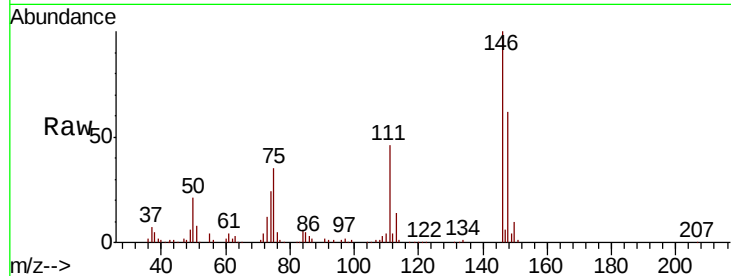
ClientSampleId :

VN1109WBSD01

Tot Ion:	146	Resp:	145762
Ion Ratio	Lower	Upper	
146	100		
111	45.1	23.1	69.2
148	62.3	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.441 ug/l

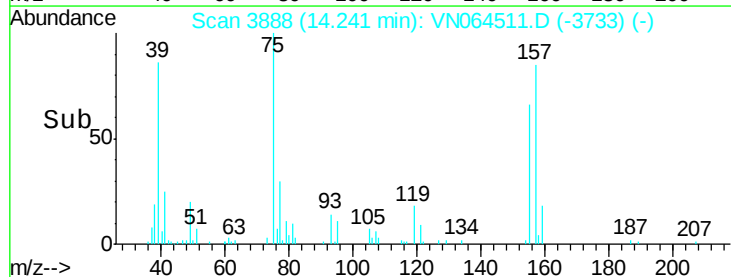
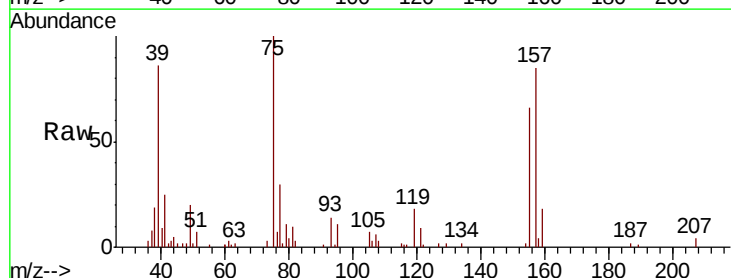
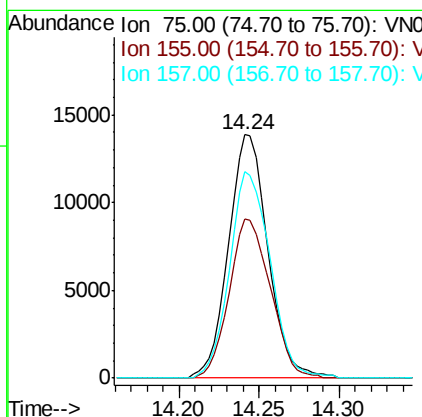
RT: 14.24 min Scan# 3888

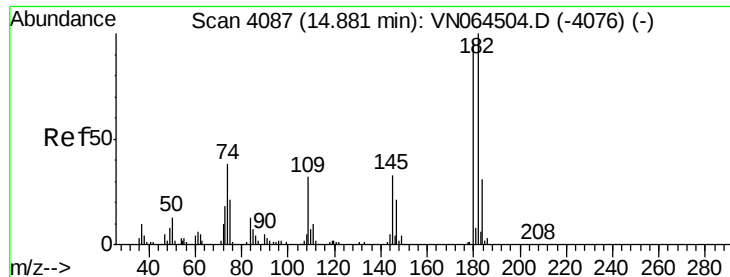
Delta R.T. -0.00 min

Lab File: VN064511.D

Acq: 9 Nov 2020 17:10

Tgt Ion:	75	Resp:	23359
Ion Ratio	Lower	Upper	
75	100		
155	67.9	56.5	84.7
157	87.1	69.7	104.5





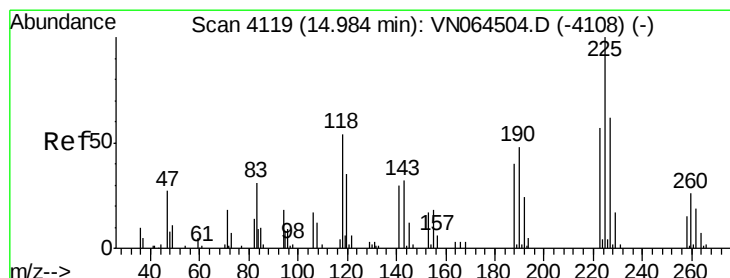
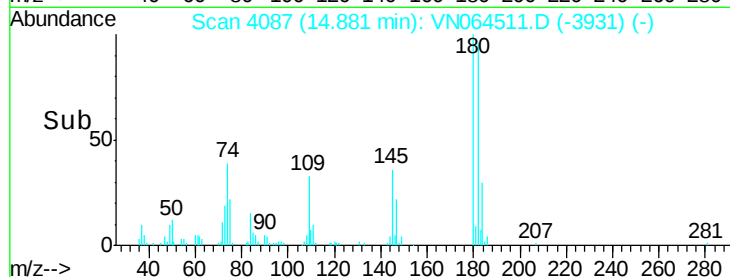
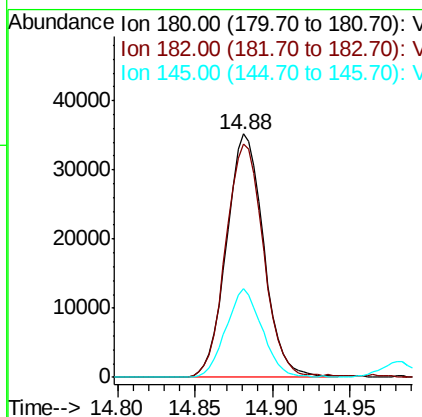
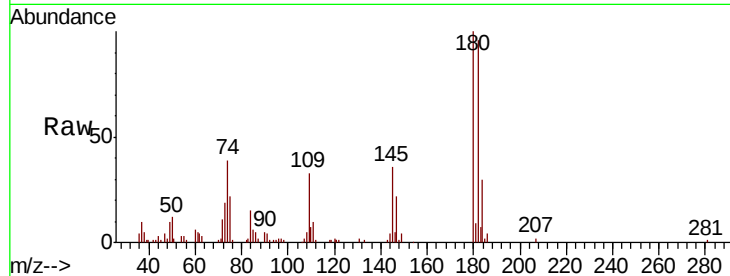
#89
1,2,4-Trichlorobenzene
Concen: 17.526 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	79.4	119.0
145	35.4	27.6	41.4

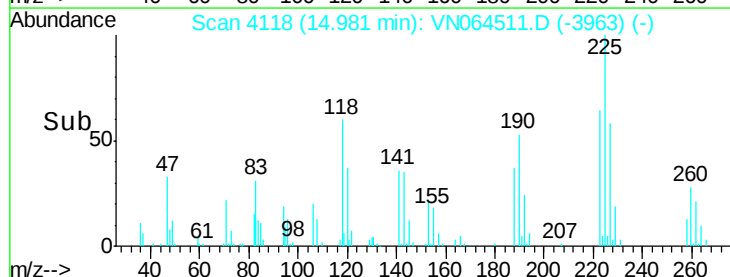
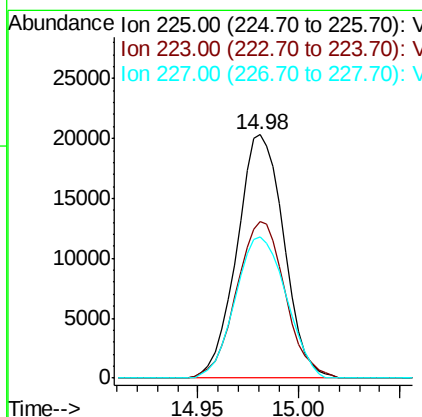
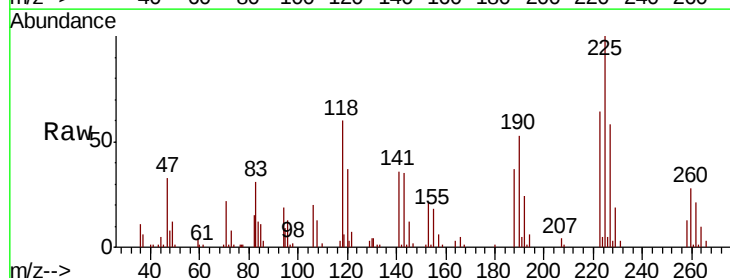
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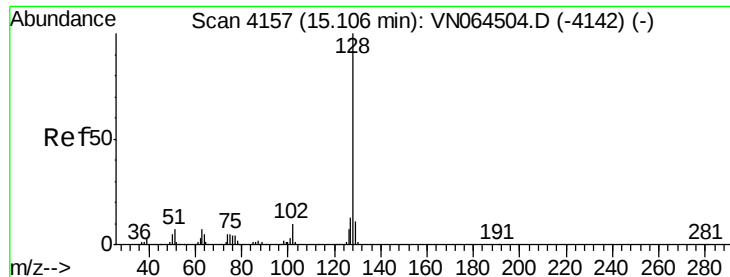
MMDadoda
11/10/2020 1:10:42 PM



#90
Hexachlorobutadiene
Concen: 19.918 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	0.0	125.4
227	62.7	0.0	122.0





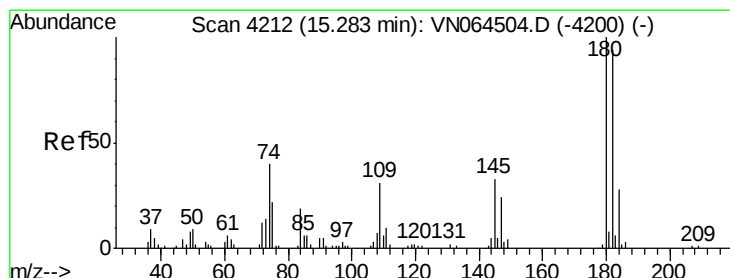
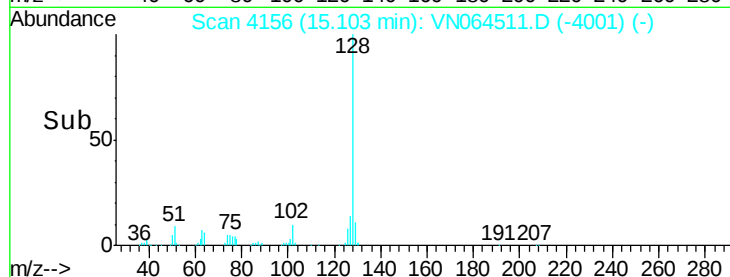
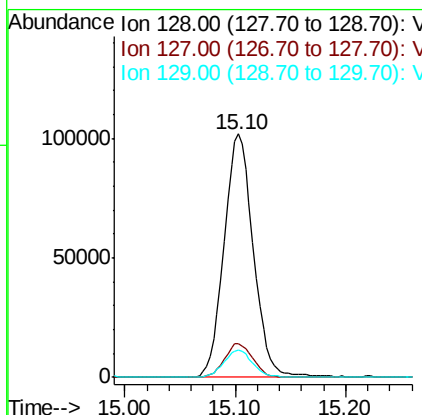
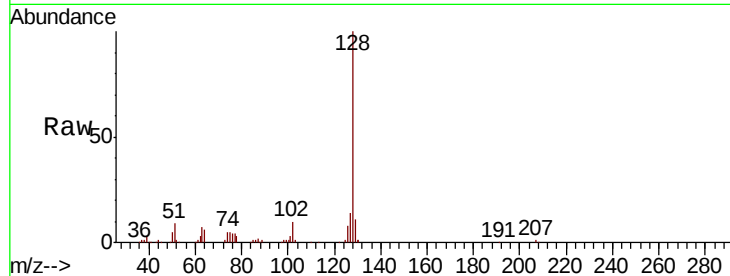
#91
Naphthalene
Concen: 16.970 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:10:42 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.546 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064511.D
Acq: 9 Nov 2020 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	186.0
145	34.6	0.0	69.6

