

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064675.D
 Acq On : 17 Nov 2020 13:06
 Operator : JC/MD
 Sample : VN1117WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:13 PM

Quant Time: Nov 18 02:14:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	268637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	461236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	436207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197154	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	230256	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.54	113	162100	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.06	98	593239	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.37	95	215237	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	58303	16.672	ug/l	98
3) Chloromethane	2.04	50	61984	14.593	ug/l	96
4) Vinyl Chloride	2.17	62	71617	16.419	ug/l	95
5) Bromomethane	2.54	94	49919	17.914	ug/l	98
6) Chloroethane	2.68	64	48535	17.380	ug/l	99
7) Trichlorofluoromethane	2.99	101	123713	19.261	ug/l	99
8) Diethyl Ether	3.37	74	44088	19.438	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57064	18.709	ug/l #	73
10) Methyl Iodide	3.91	142	57281	16.163	ug/l	99
11) Tert butyl alcohol	4.73	59	45919	88.986	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	49116	17.096	ug/l	98
13) Acrolein	3.56	56	20367	63.630	ug/l	93
14) Allyl chloride	4.27	41	88448	15.738	ug/l	94
15) Acrylonitrile	4.94	53	128835	89.676	ug/l	99
16) Acetone	3.78	43	137964	77.403	ug/l	99
17) Carbon Disulfide	4.01	76	140365	16.337	ug/l	99
18) Methyl Acetate	4.28	43	67618	19.296	ug/l #	81
19) Methyl tert-butyl Ether	4.99	73	179725	17.381	ug/l	97
20) Methylene Chloride	4.50	84	64904	18.353	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	57986	17.776	ug/l	95
22) Diisopropyl ether	5.90	45	202261	16.954	ug/l	99
23) Vinyl Acetate	5.84	43	801393	82.574	ug/l	98
24) 1,1-Dichloroethane	5.79	63	115948	17.687	ug/l	99
25) 2-Butanone	6.78	43	185044	81.480	ug/l	96
26) 2,2-Dichloropropane	6.77	77	108451	18.275	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	64789	17.140	ug/l	98
28) Bromochloromethane	7.14	49	55744	17.299	ug/l	96
29) Tetrahydrofuran	7.16	42	117810	84.552	ug/l	100
30) Chloroform	7.33	83	128889	18.704	ug/l	98
31) Cyclohexane	7.61	56	89332	15.705	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	113334	18.543	ug/l	99
36) 1,1-Dichloropropene	7.75	75	87071	17.869	ug/l	99
37) Ethyl Acetate	6.88	43	83024	17.294	ug/l	99
38) Carbon Tetrachloride	7.73	117	101926	19.572	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	74412	17.036	ug/l	98
40) Benzene	8.00	78	251634	17.574	ug/l	100
41) Methacrylonitrile	7.14	41	43703m	20.230	ug/l	
42) 1,2-Dichloroethane	8.08	62	110531	19.129	ug/l	99
43) Isopropyl Acetate	8.13	43	137145	17.368	ug/l	98
44) Trichloroethene	8.80	130	62795	17.383	ug/l	99
45) 1,2-Dichloropropane	9.08	63	68303	17.878	ug/l	98
46) Dibromomethane	9.17	93	49242	19.580	ug/l	98
47) Bromodichloromethane	9.37	83	104149	19.259	ug/l	99
48) Methyl methacrylate	9.16	41	64511	16.190	ug/l	93
49) 1,4-Dioxane	9.16	88	18632	355.011	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	410199	89.076	ug/l	98
52) Toluene	10.12	92	157512	18.037	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	106855	18.638	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	109766	17.907	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	67181	19.725	ug/l	97
56) Ethyl methacrylate	10.40	69	82429	16.010	ug/l	96
57) 1,3-Dichloropropane	10.68	76	109251	18.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	216035	96.100	ug/l	97
59) 2-Hexanone	10.72	43	287035	79.235	ug/l	99
60) Dibromochloromethane	10.87	129	74289	19.482	ug/l	98
61) 1,2-Dibromoethane	10.97	107	66657	19.295	ug/l	95
64) Tetrachloroethene	10.60	164	61752	18.378	ug/l	96
65) Chlorobenzene	11.40	112	167798	17.547	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	68337	19.156	ug/l	99
67) Ethyl Benzene	11.48	91	289283	17.007	ug/l	99
68) m/p-Xylenes	11.59	106	215822	34.987	ug/l	97
69) o-Xylene	11.92	106	102116	17.131	ug/l	97
70) Styrene	11.94	104	174339	17.381	ug/l	98
71) Bromoform	12.10	173	46427	18.165	ug/l #	99
73) Isopropylbenzene	12.22	105	267203	17.051	ug/l	100
74) N-amyl acetate	12.04	43	109424	15.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	87290	18.136	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	86497m	18.107	ug/l	
77) Bromobenzene	12.50	156	69231	18.096	ug/l	95
78) n-propylbenzene	12.56	91	313531	17.550	ug/l	99
79) 2-Chlorotoluene	12.65	91	198525	17.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	231638	17.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26813	15.672	ug/l	86
82) 4-Chlorotoluene	12.75	91	210454	17.735	ug/l	100
83) tert-Butylbenzene	12.96	119	178125	17.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	233921	18.000	ug/l	100
85) sec-Butylbenzene	13.14	105	243182	19.018	ug/l	99
86) p-Isopropyltoluene	13.26	119	215569	18.742	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119683	18.097	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	119062	17.421	ug/l	99
89) n-Butylbenzene	13.59	91	184288	18.635	ug/l	97
90) Hexachloroethane	13.85	117	42984	19.373	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	118489	18.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17057	17.799	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	46941	16.711	ug/l	96
94) Hexachlorobutadiene	14.98	225	29851	23.047	ug/l	99
95) Naphthalene	15.10	128	131018	14.861	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	48619	17.779	ug/l	99

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

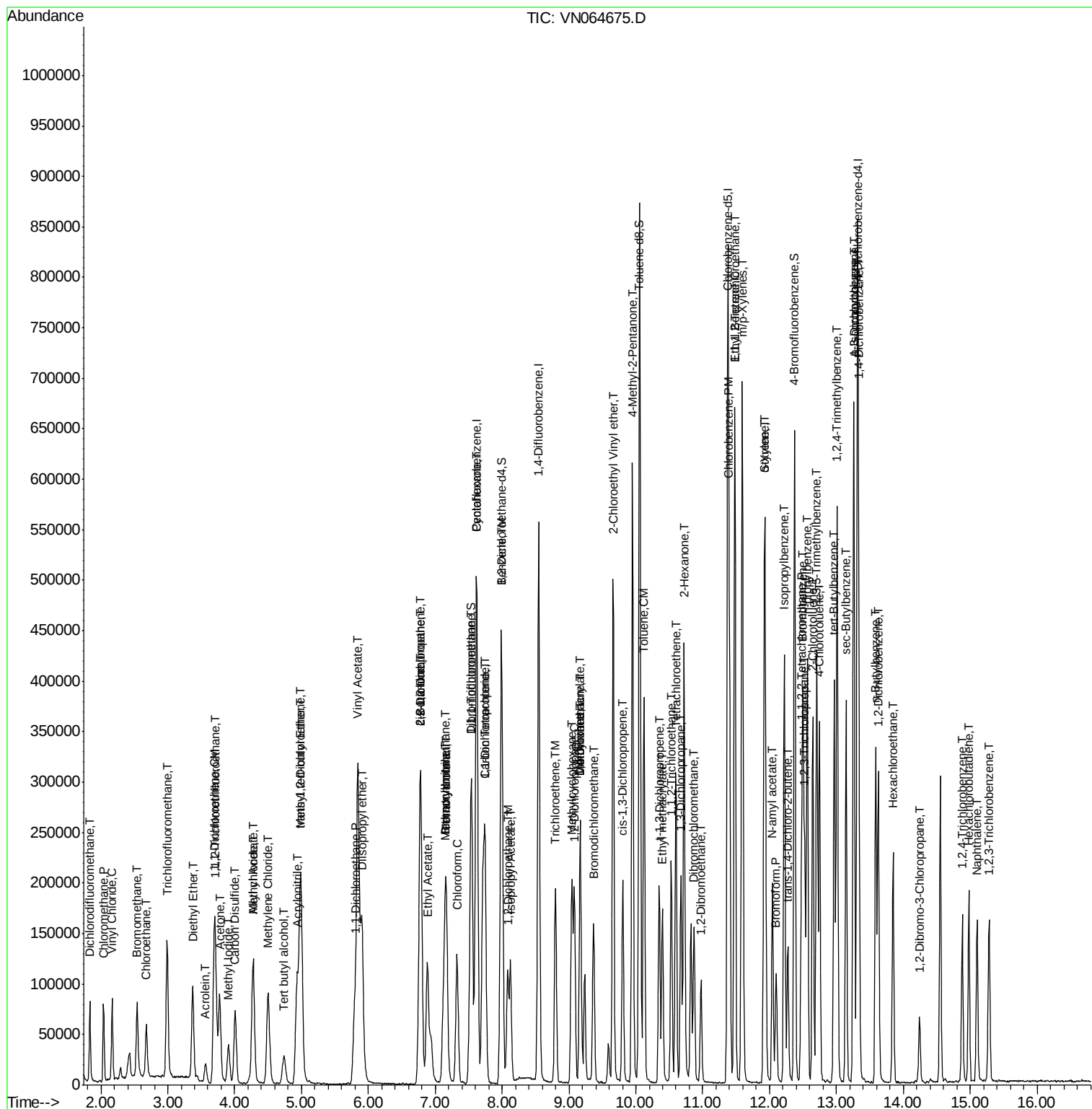
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111720\
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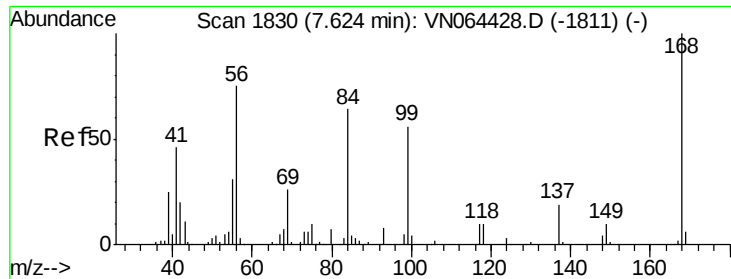
Instrument :
MSVOA_N
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VN1117WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion:168 Resp: 268637

Ion Ratio Lower Upper

168 100

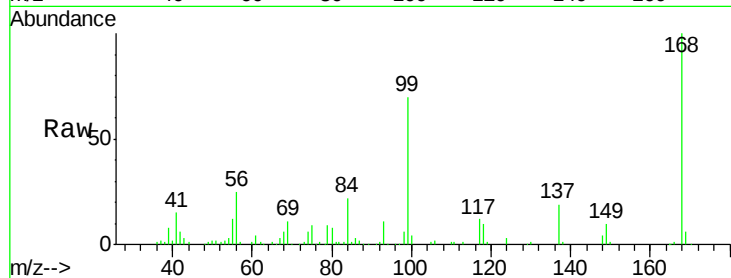
99 70.0 53.4 80.2

Manual Integrations

APPROVED

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11/18/2020 5:15:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

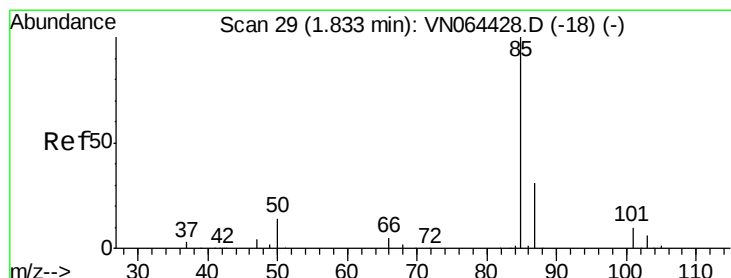
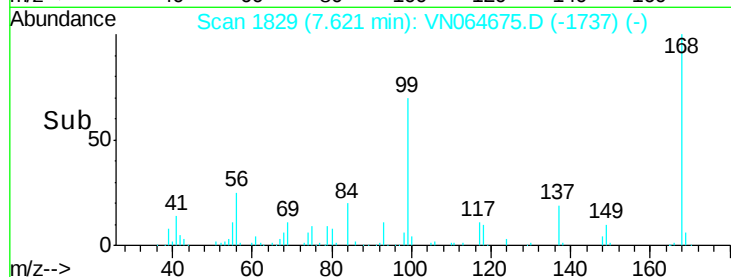
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 16.672 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064675.D

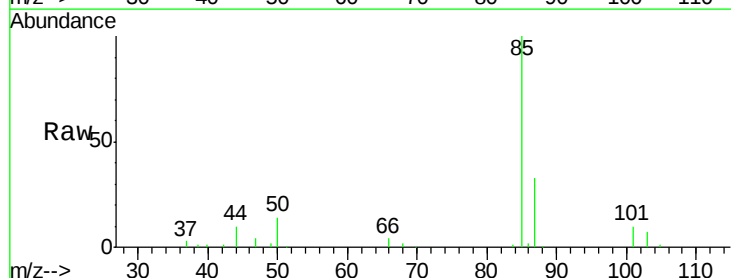
Acq: 17 Nov 2020 13:06

Tgt Ion: 85 Resp: 58303

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

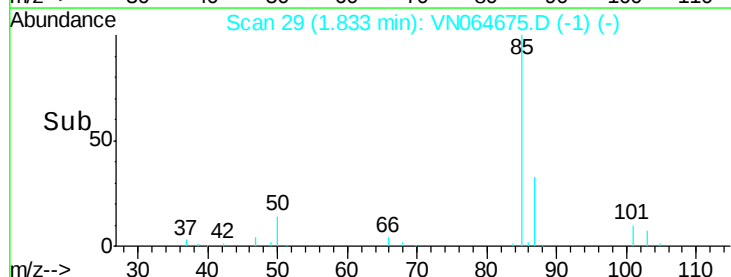
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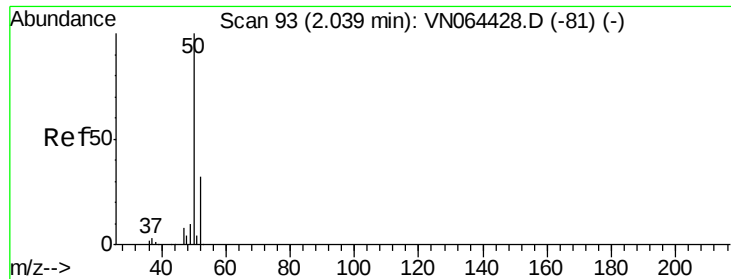
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 14.593 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 50 Resp: 61984

Ion Ratio Lower Upper

50 100

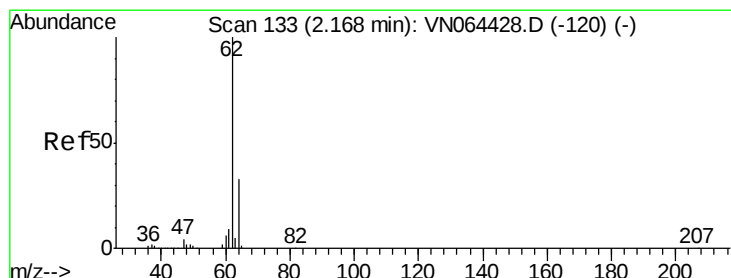
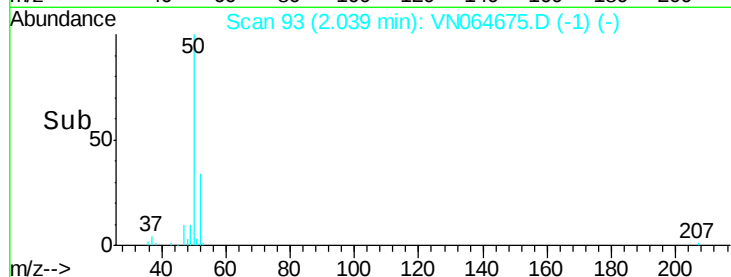
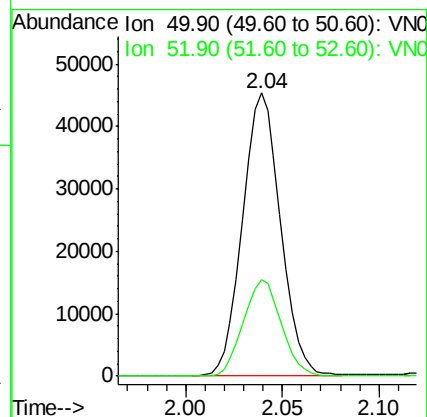
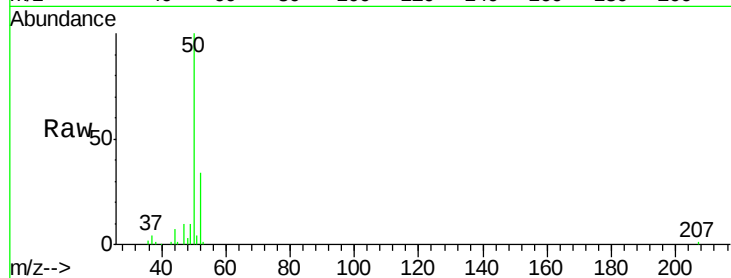
52 34.1 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.419 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064675.D

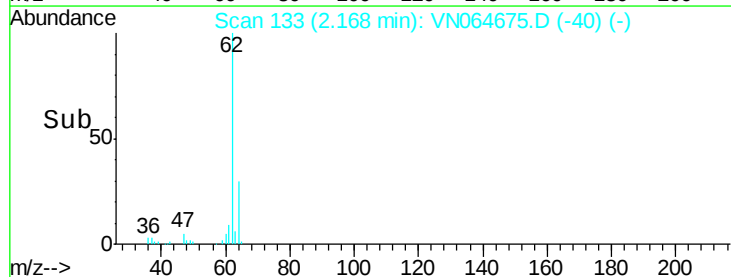
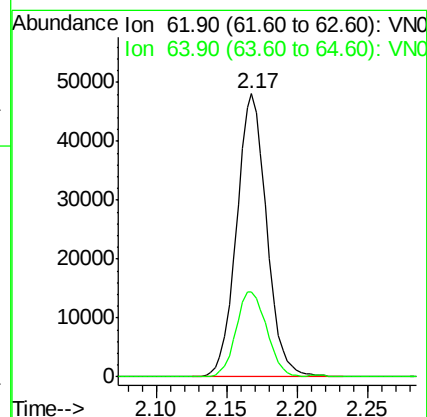
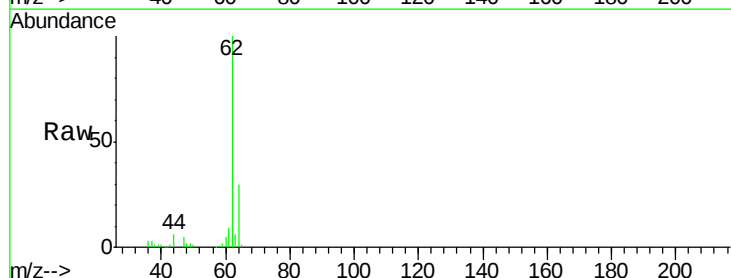
Acq: 17 Nov 2020 13:06

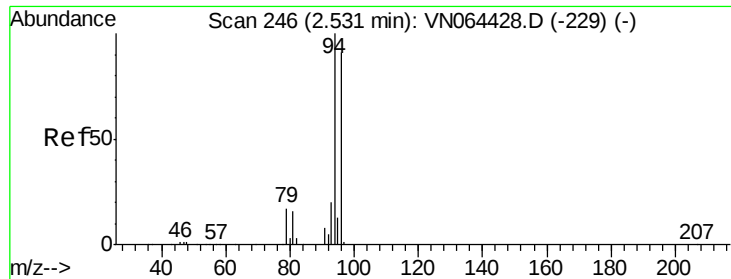
Tgt Ion: 62 Resp: 71617

Ion Ratio Lower Upper

62 100

64 30.1 26.3 39.5





#5

Bromomethane

Concen: 17.914 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

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Tot Ion: 94 Resp: 49919

Ion Ratio Lower Upper

94 100

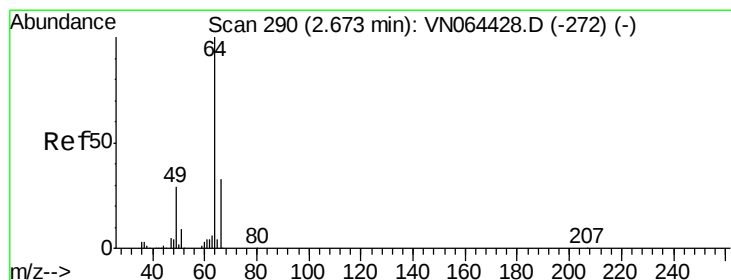
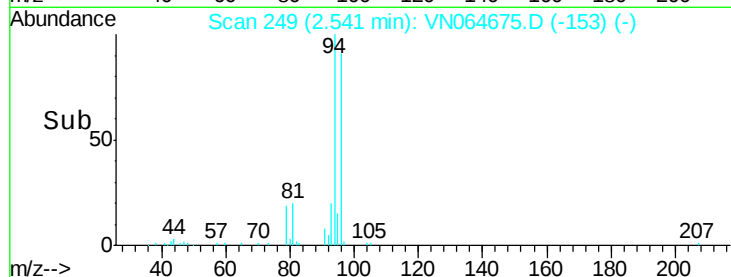
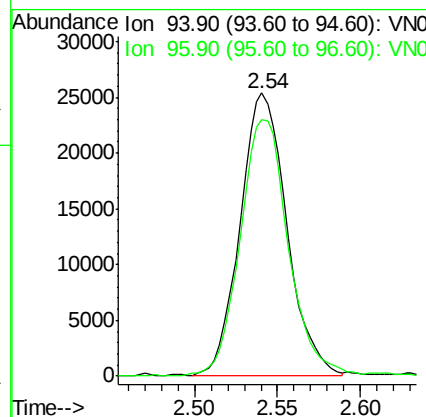
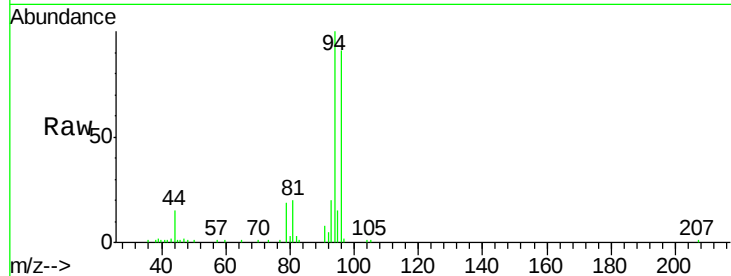
96 89.7 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 17.380 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064675.D

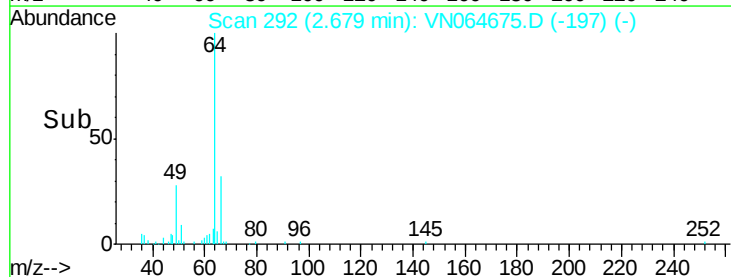
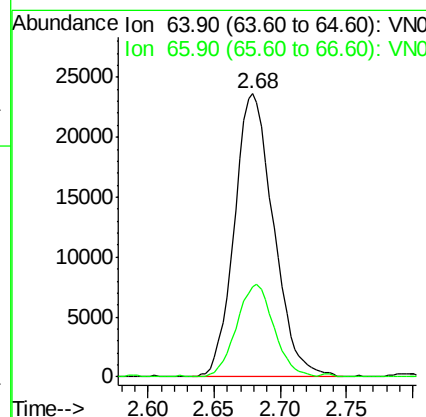
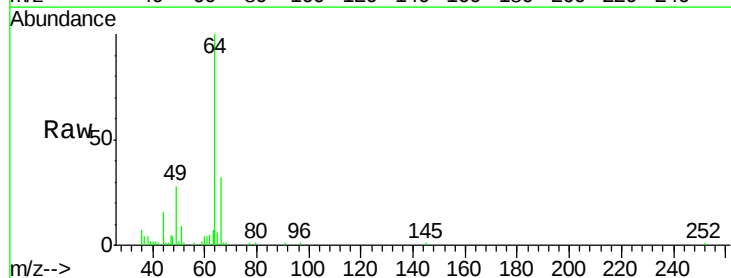
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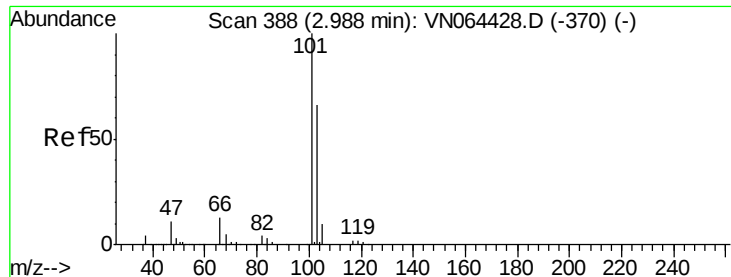
Tgt Ion: 64 Resp: 48535

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1





#7

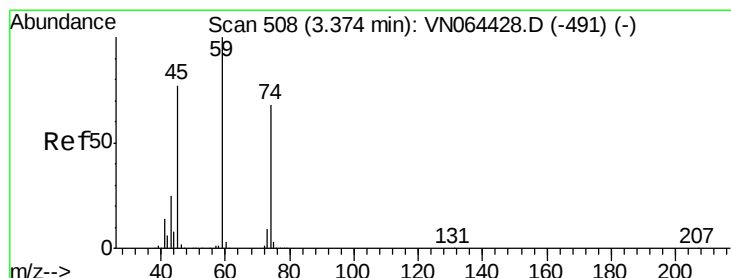
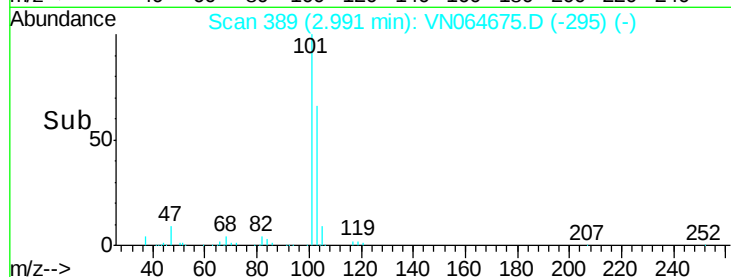
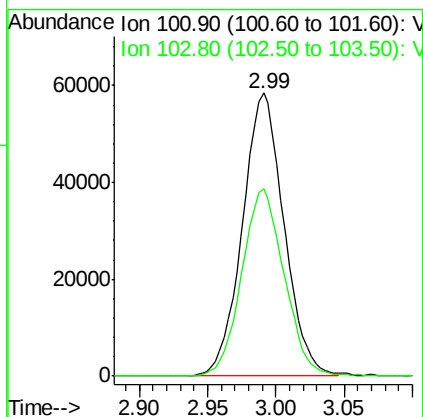
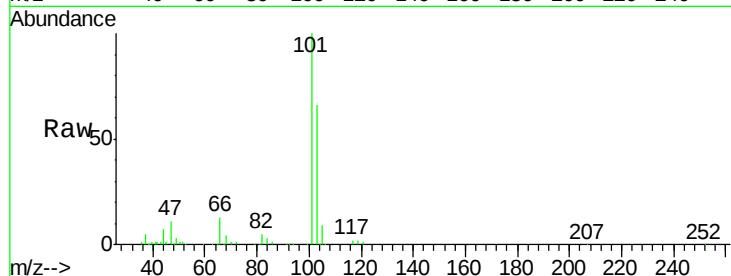
Trichlorofluoromethane
Concen: 19.261 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064675.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.4	78.6

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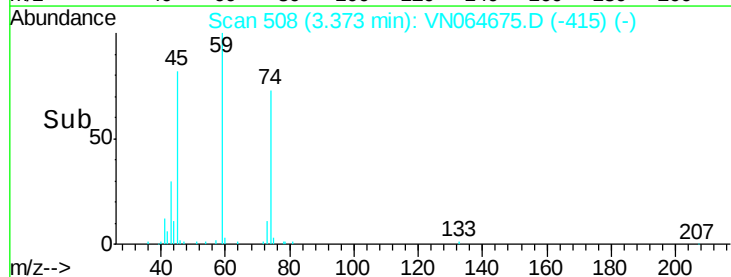
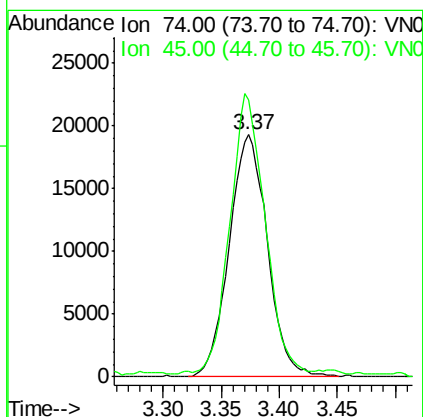
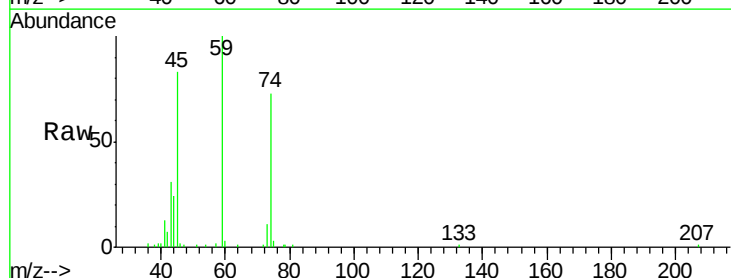
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11/18/2020 5:15:13 PM

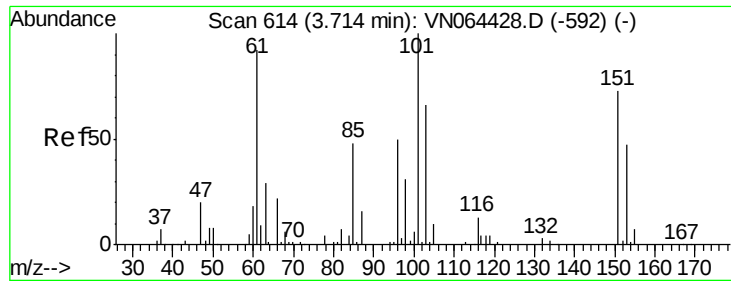


#8

Diethyl Ether
Concen: 19.438 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.709 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

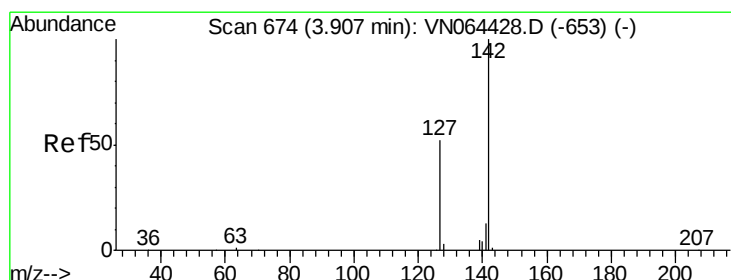
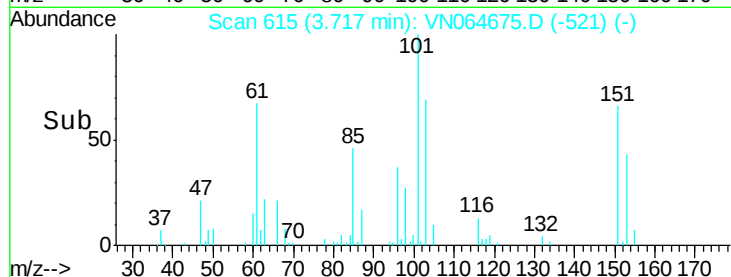
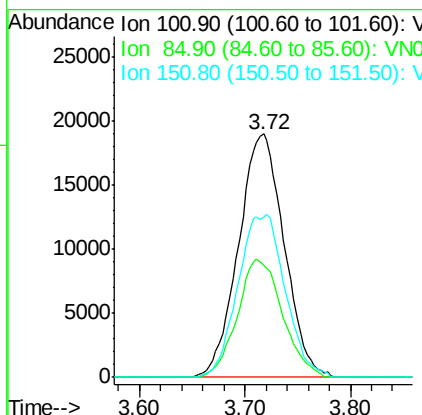
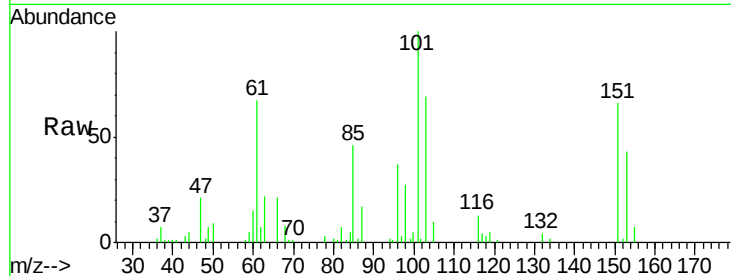
ClientSampleId :

VN1117WBSD01

Tot Ion:	101	Resp:	57064
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.6	57.8
151	34.4	57.5	86.3#

Manual Integrations
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#10

Methyl Iodide

Concen: 16.163 ug/l

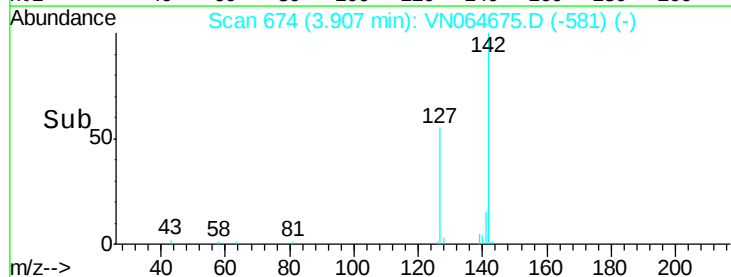
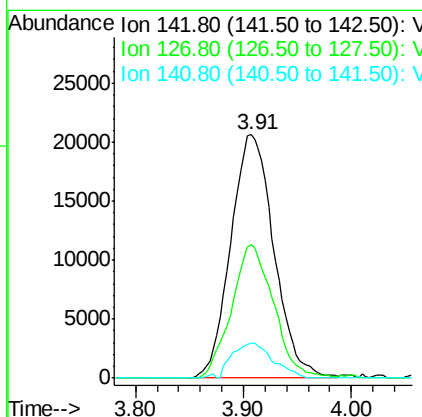
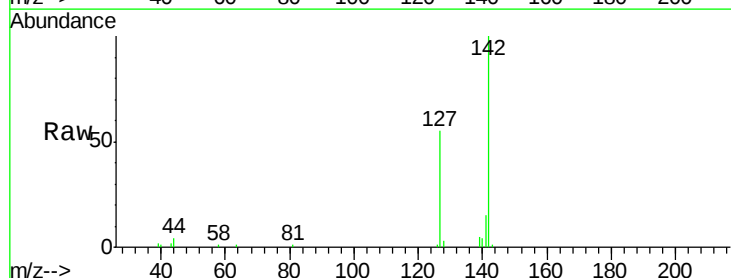
RT: 3.91 min Scan# 674

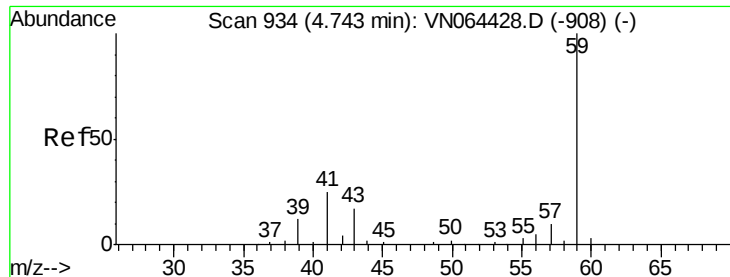
Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	142	Resp:	57281
Ion Ratio	Lower	Upper	
142	100		
127	53.2	41.8	62.8
141	13.6	11.4	17.2





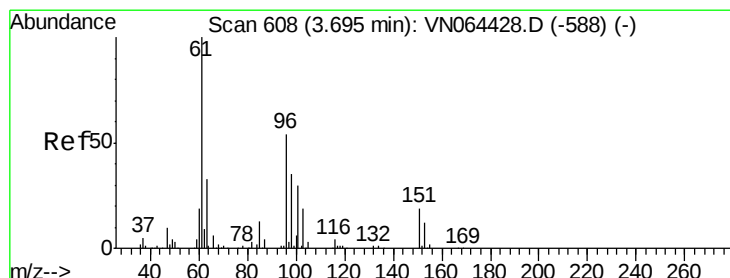
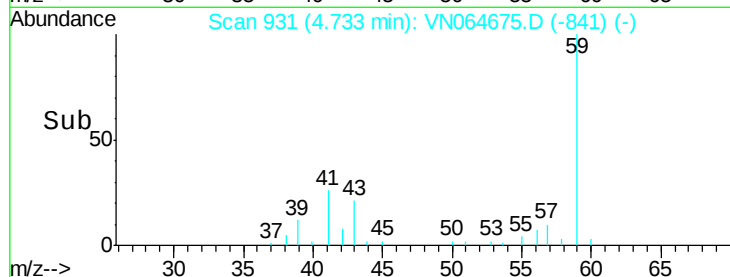
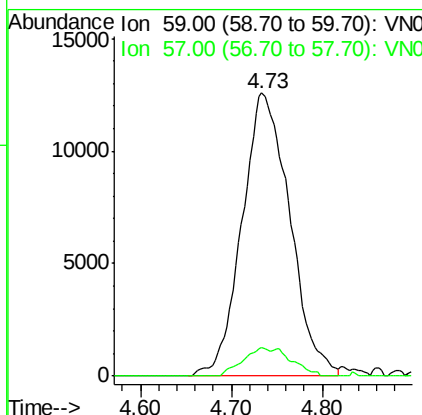
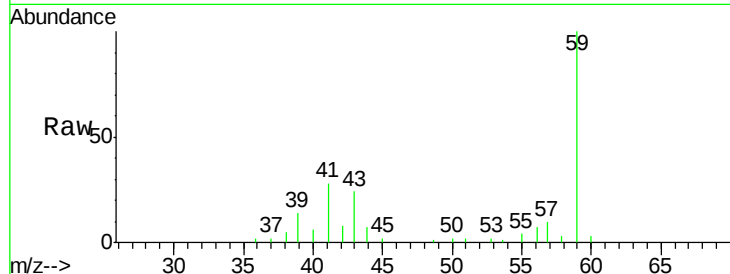
#11
Tert butyl alcohol
Concen: 88.986 ug/l
RT: 4.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	45919		
57	5.7	9.0	13.4#	

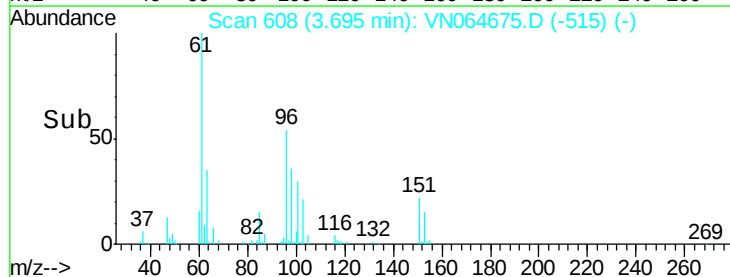
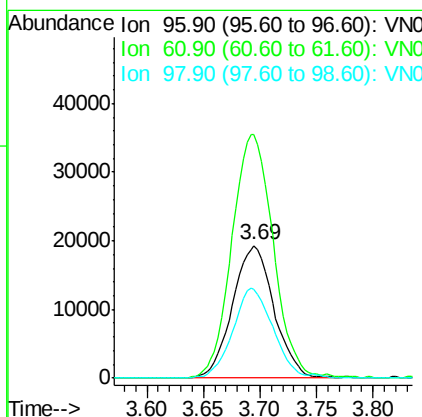
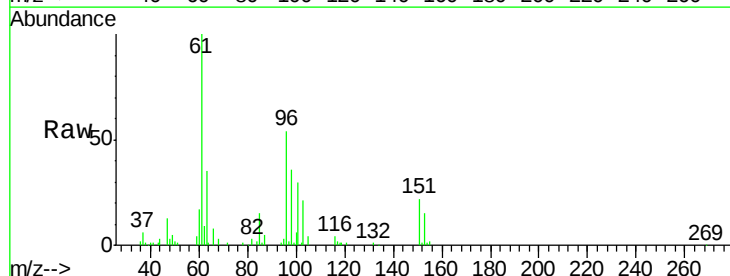
Manual Integrations
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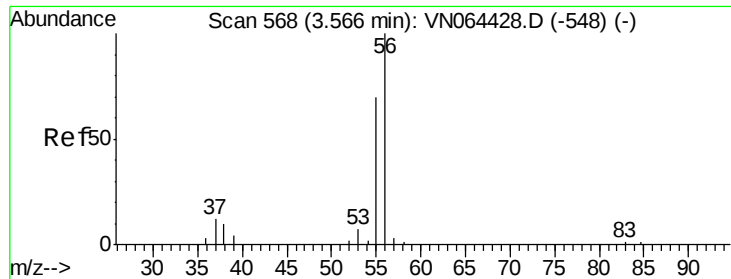
MMDadoda
11/18/2020 5:15:13 PM



#12
1,1-Dichloroethene
Concen: 17.096 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49116		
61	183.6	149.5	224.3	
98	66.9	52.4	78.6	





#13

Acrolein

Concen: 63.630 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 56 Resp: 20367

Ion Ratio Lower Upper

56 100

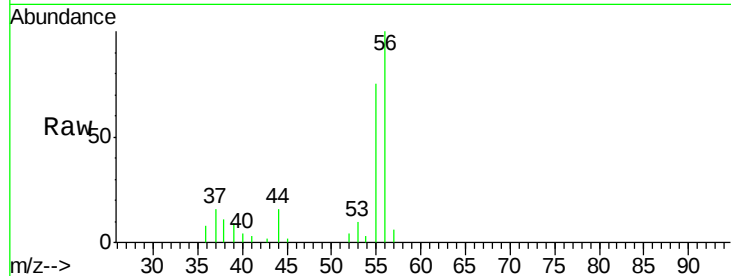
55 75.6 55.9 83.9

Manual Integrations

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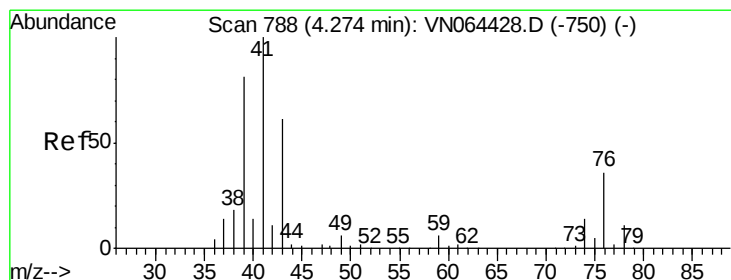
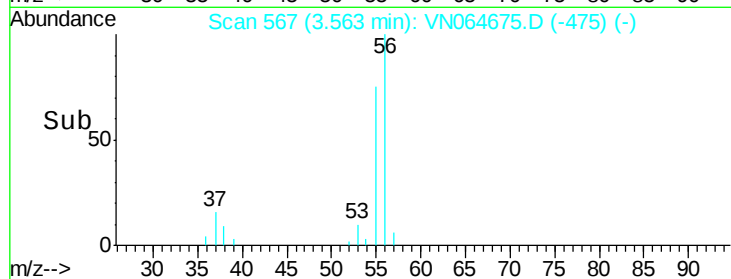
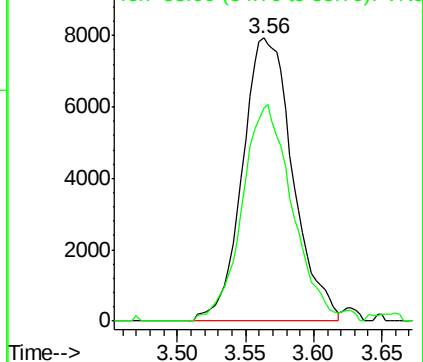
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.738 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

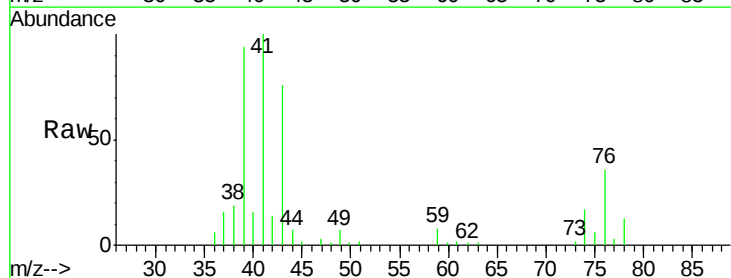
Tgt Ion: 41 Resp: 88448

Ion Ratio Lower Upper

41 100

39 83.7 61.8 92.8

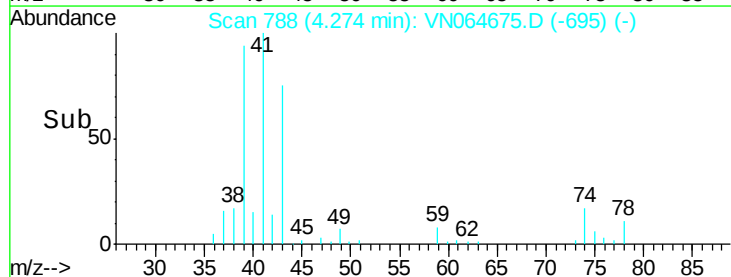
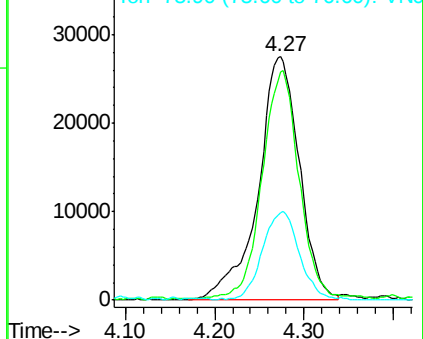
76 32.5 25.4 38.0

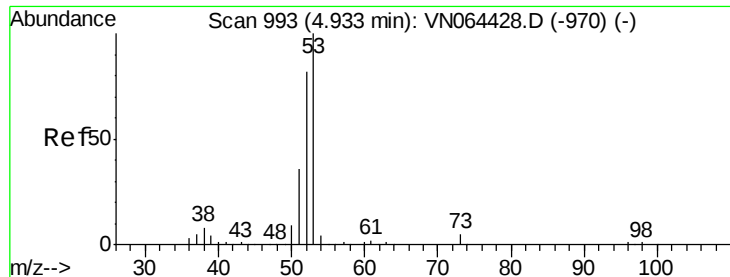


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.676 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

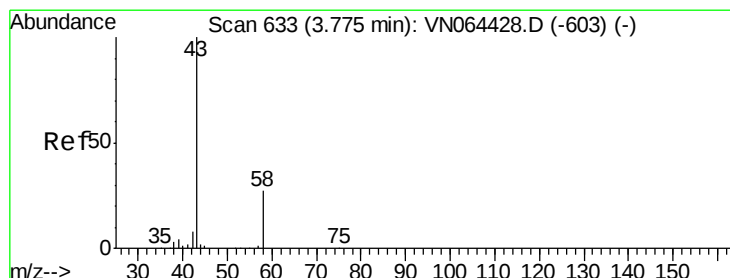
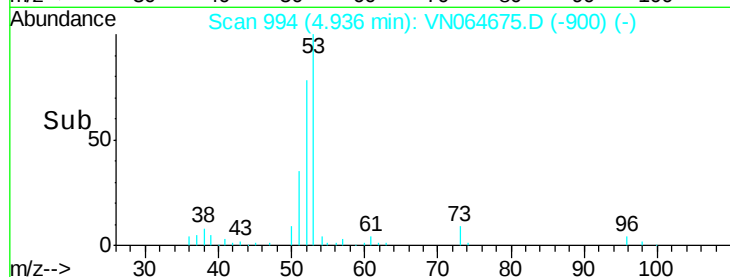
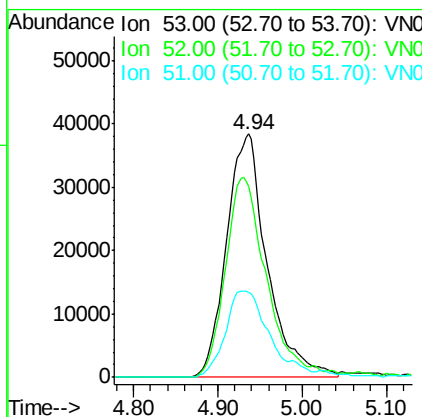
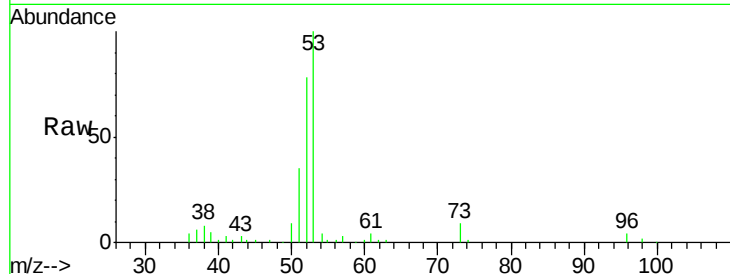
ClientSampleId :

VN1117WBSD01

Tot Ion:	53	Resp:	128835
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.6	98.4
51	38.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 77.403 ug/l

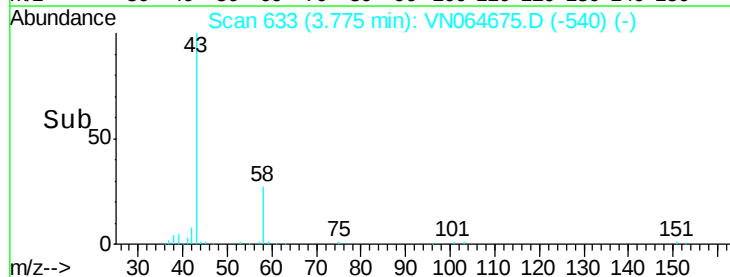
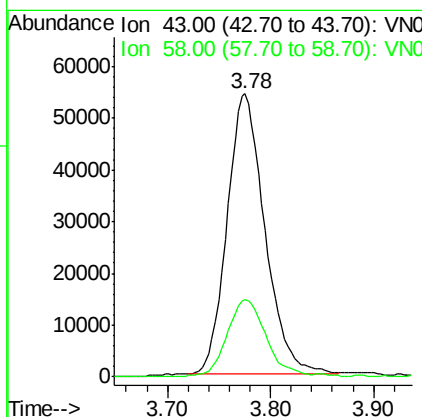
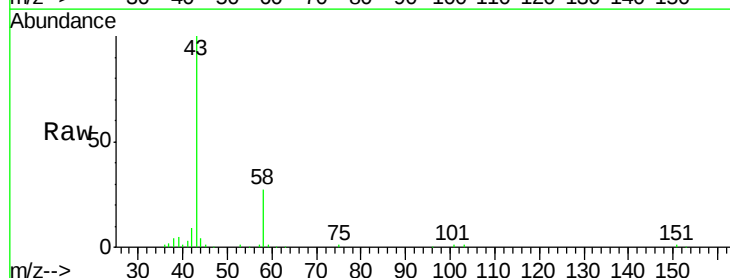
RT: 3.78 min Scan# 633

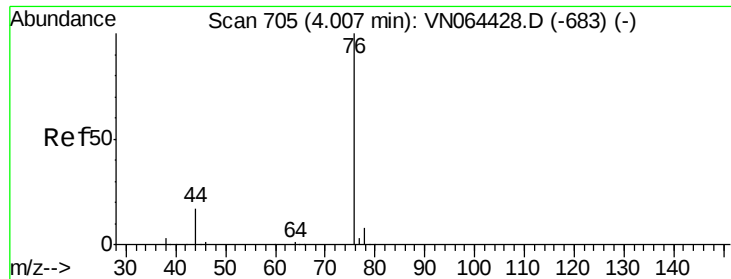
Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	43	Resp:	137964
Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.4	32.0





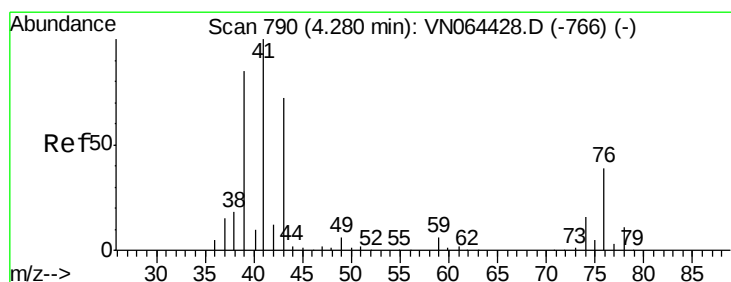
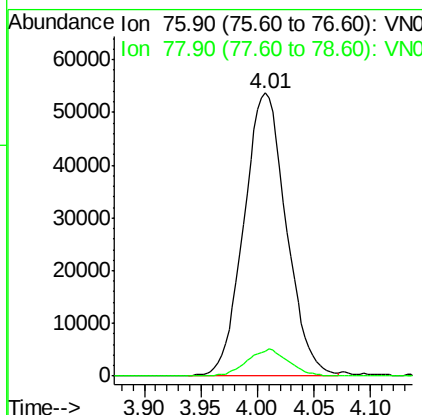
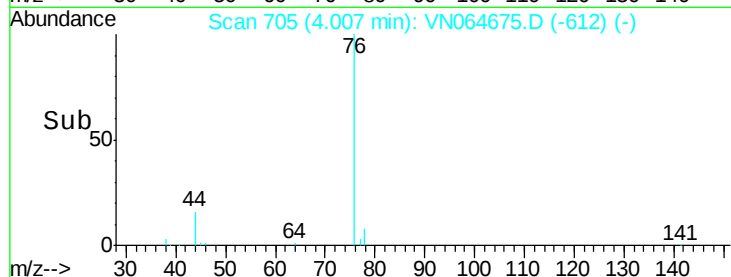
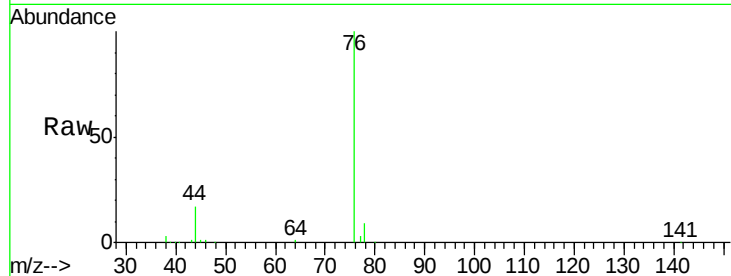
#17
Carbon Disulfide
Concen: 16.337 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	76	Resp	140365
Ion Ratio	Lower	Upper	
76	100		
78	8.9	6.8	10.2

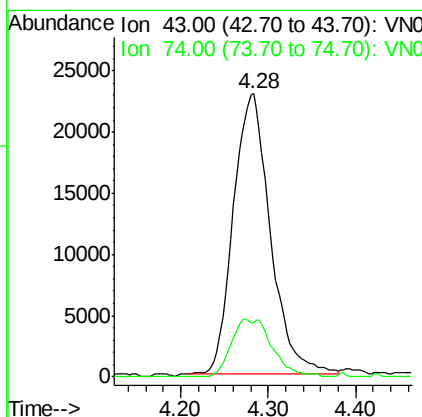
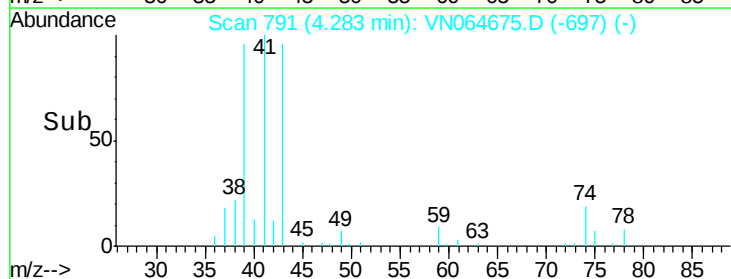
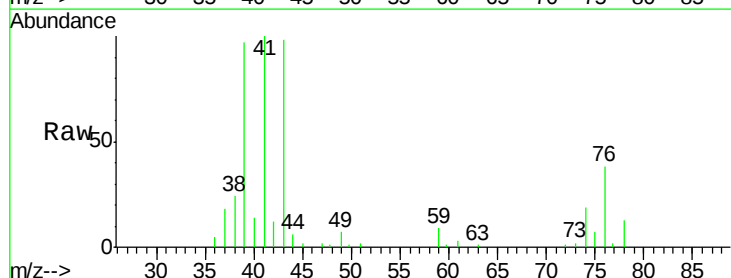
Manual Integrations
APPROVED

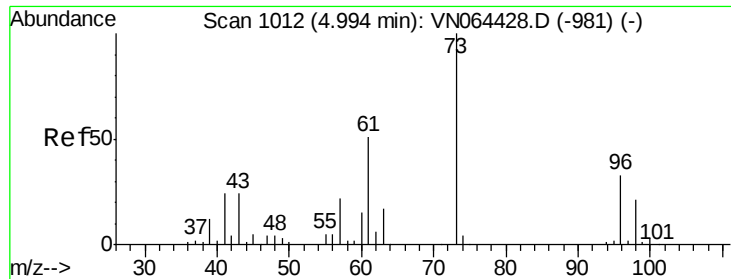
MMDadoda
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#18
Methyl Acetate
Concen: 19.296 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	43	Resp	67618
Ion Ratio	Lower	Upper	
43	100		
74	12.2	17.0	25.4#





#19

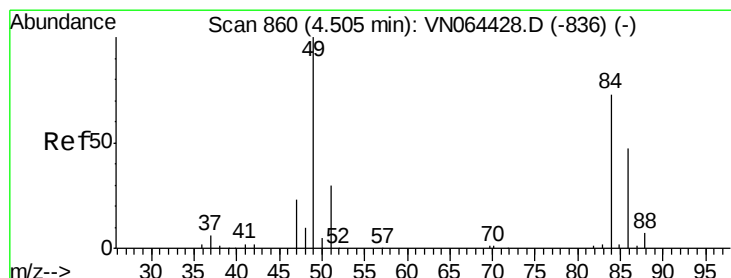
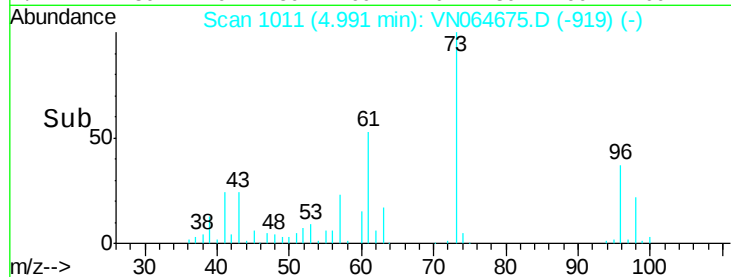
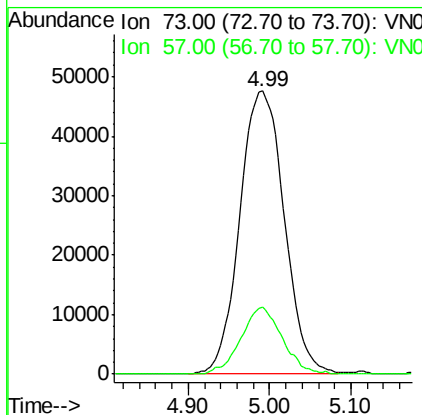
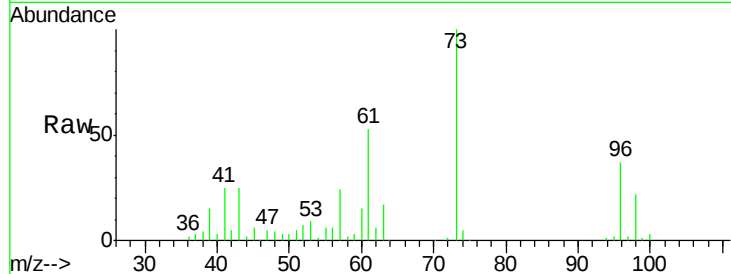
Methyl tert-butyl Ether
 Concen: 17.381 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion: 73 Resp: 179725
 Ion Ratio Lower Upper
 73 100
 57 23.5 17.7 26.5

Manual Integrations
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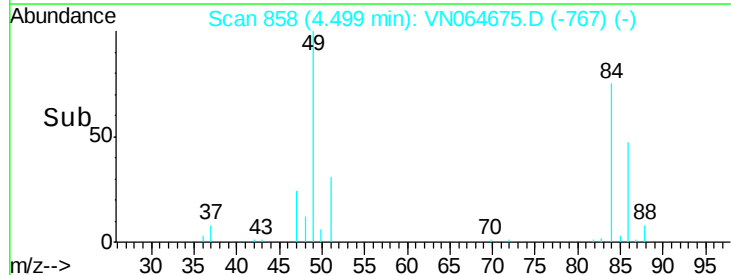
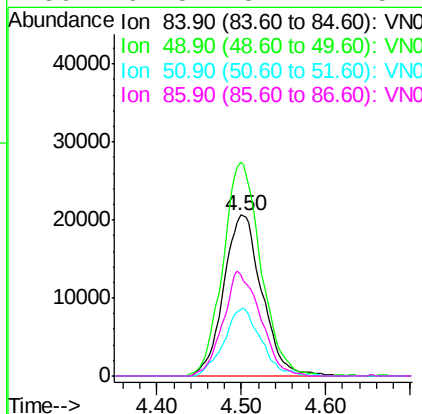
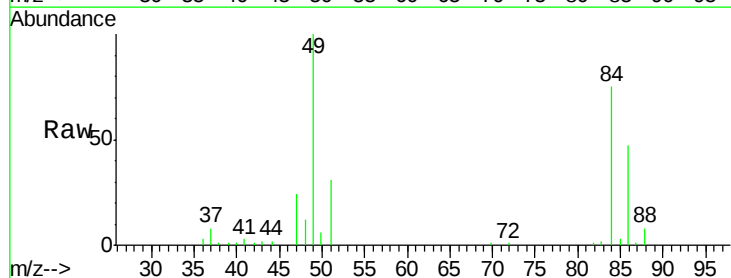
MMDadoda
 11/18/2020 5:15:13 PM

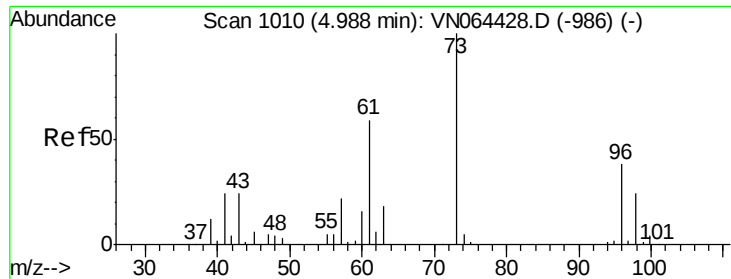


#20

Methylene Chloride
 Concen: 18.353 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion: 84 Resp: 64904
 Ion Ratio Lower Upper
 84 100
 49 132.0 110.1 165.1
 51 41.1 33.6 50.4
 86 62.8 52.1 78.1





#21

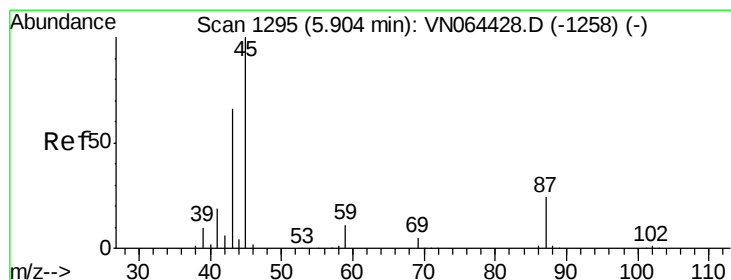
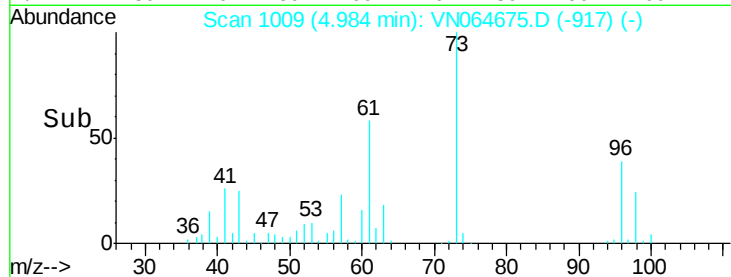
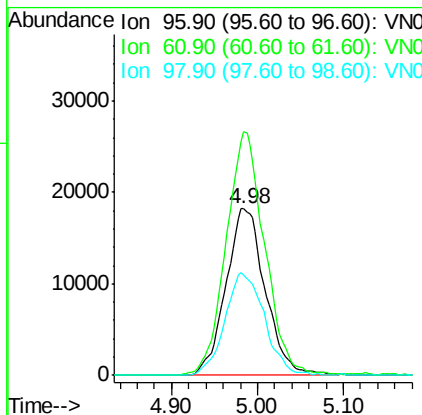
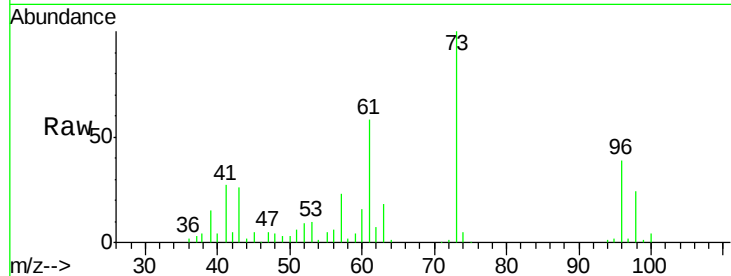
trans-1,2-Dichloroethene
Concen: 17.776 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	122.4	183.6
98	60.1	50.4	75.6

Manual Integrations
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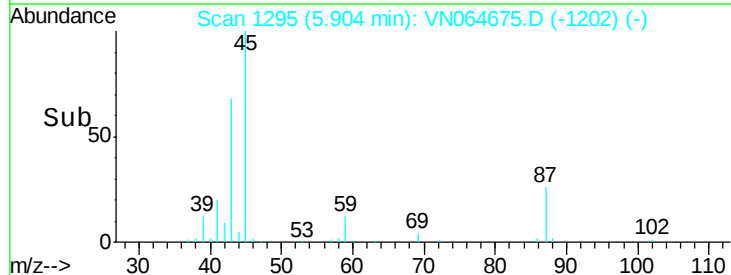
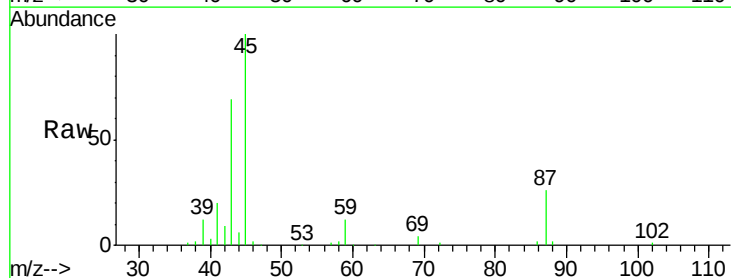
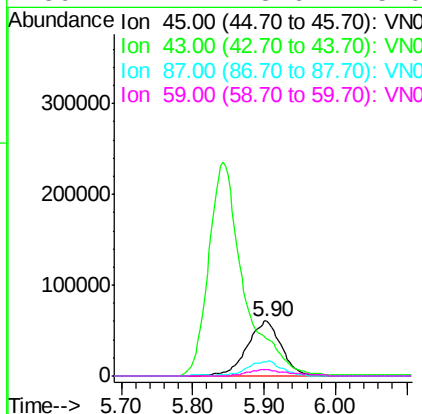
MMDadoda
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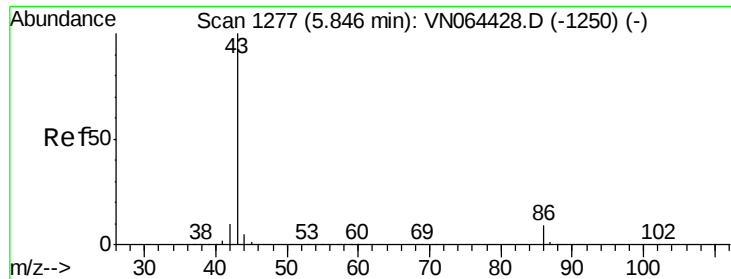


#22

Diisopropyl ether
Concen: 16.954 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	53.2	79.8
87	26.4	19.9	29.9
59	11.1	8.6	13.0





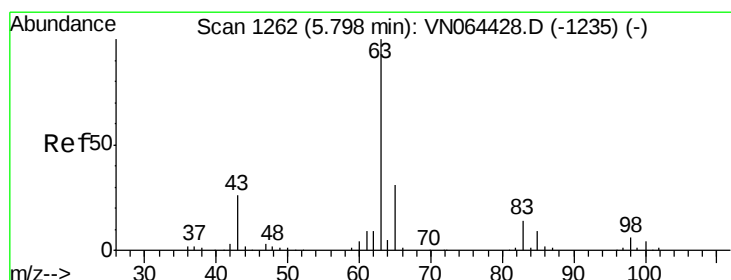
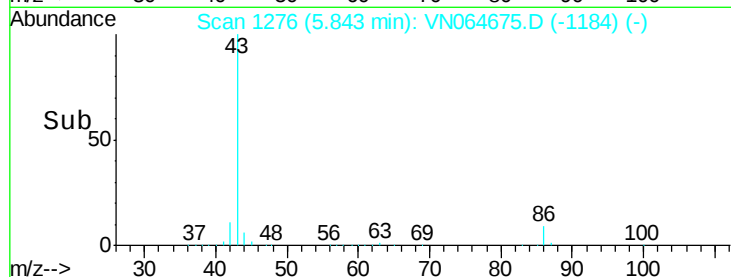
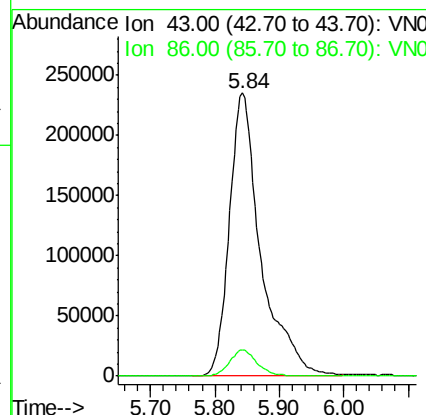
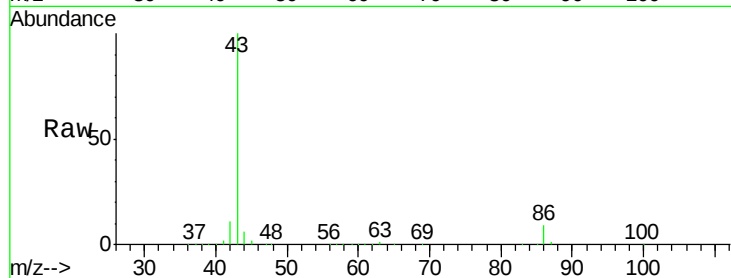
#23
 Vinyl Acetate
 Concen: 82.574 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.8	10.2

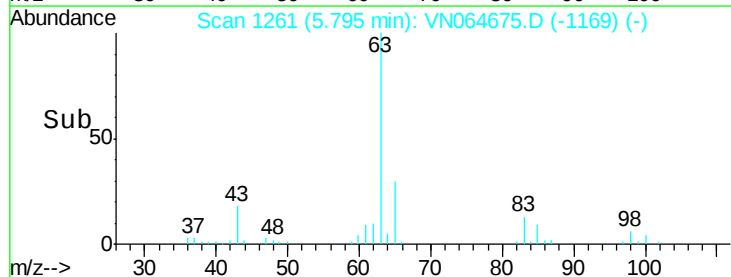
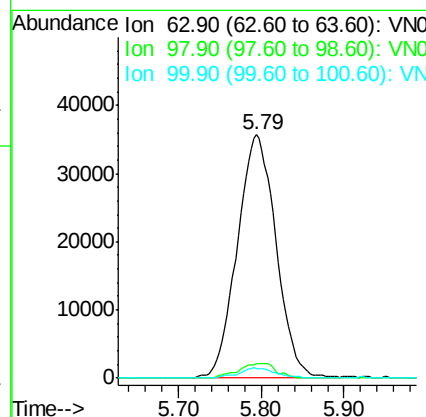
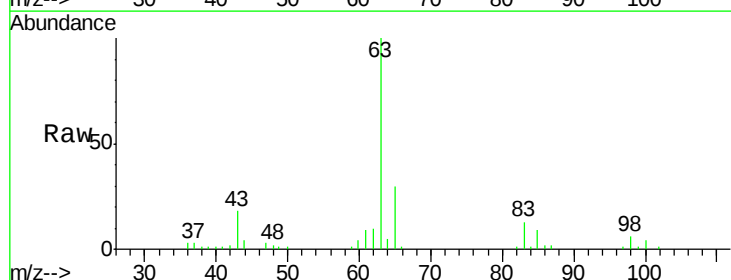
Manual Integrations
 APPROVED

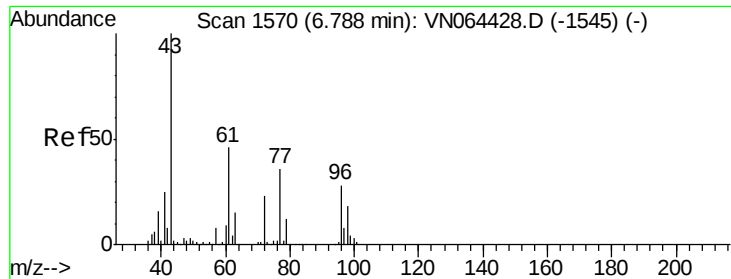
MMDadoda
 11/18/2020 5:15:13 PM



#24
 1,1-Dichloroethane
 Concen: 17.687 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	4.0	1.8	5.3





#25

2-Butanone

Concen: 81.480 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampled :

VN1117WBSD01

Tot Ion: 43 Resp: 185044

Ion Ratio Lower Upper

43 100

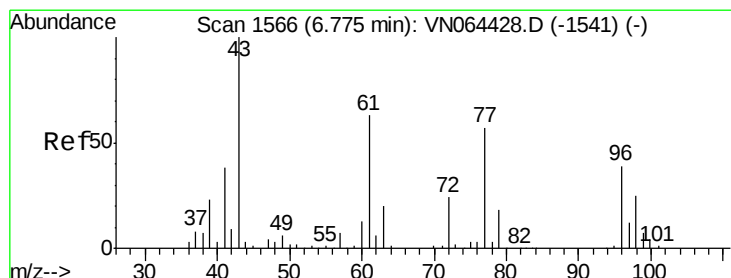
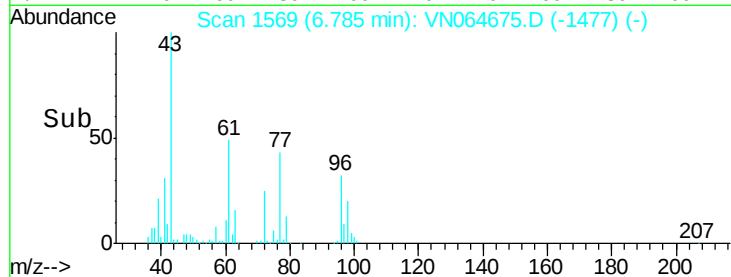
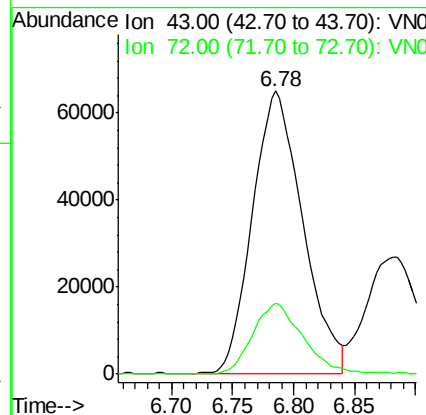
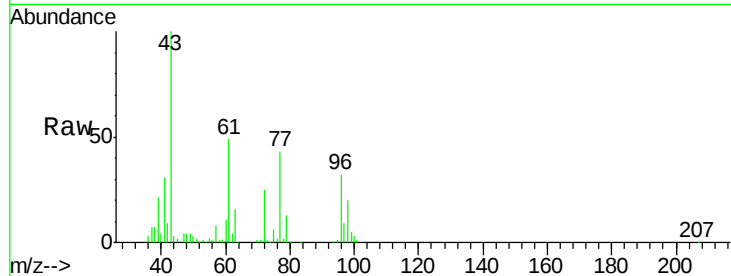
72 25.0 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.275 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN064675.D

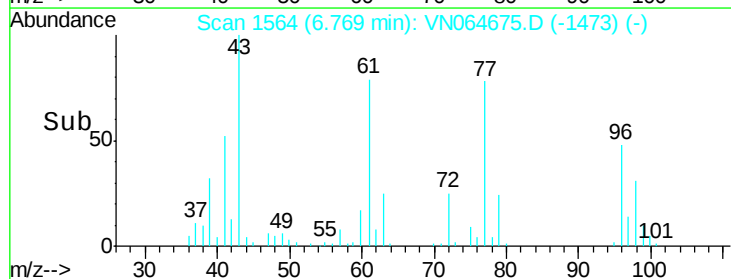
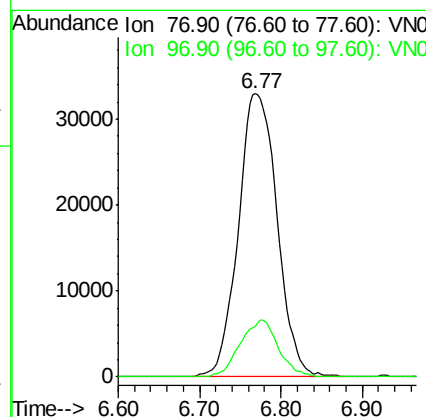
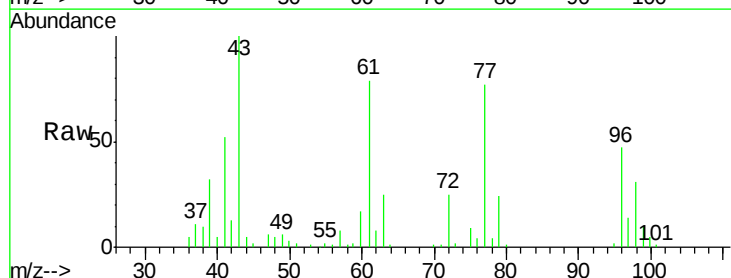
Acq: 17 Nov 2020 13:06

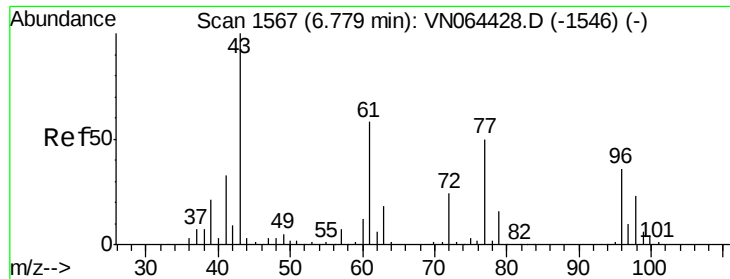
Tgt Ion: 77 Resp: 108451

Ion Ratio Lower Upper

77 100

97 19.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.140 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

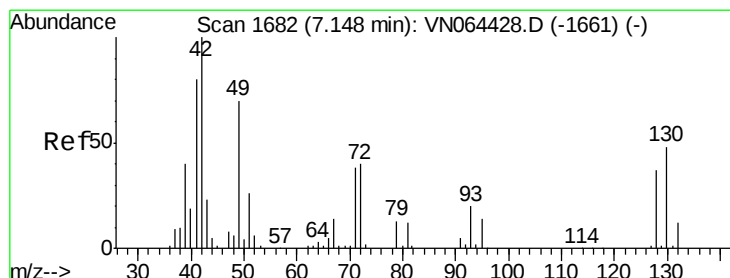
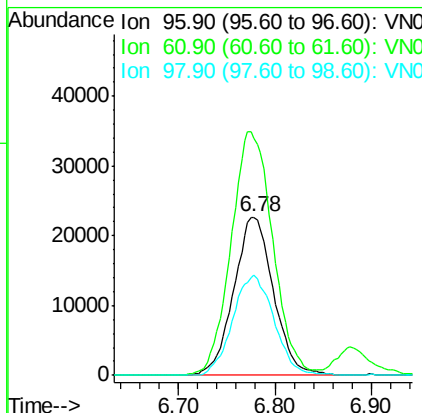
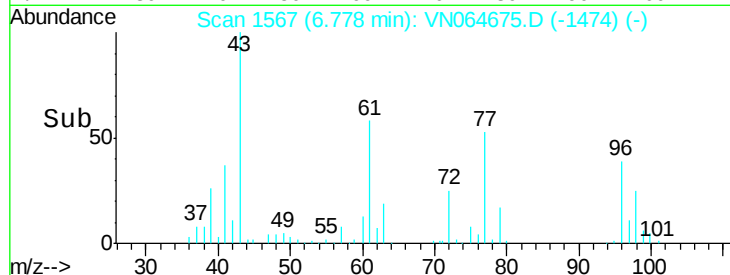
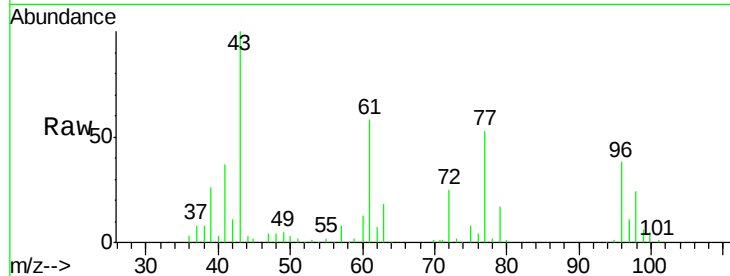
ClientSampleId :

VN1117WBSD01

Tot Ion:	96	Resp:	64789
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	329.6
98	65.5	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 17.299 ug/l

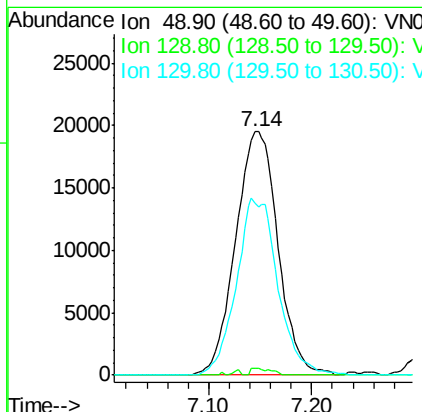
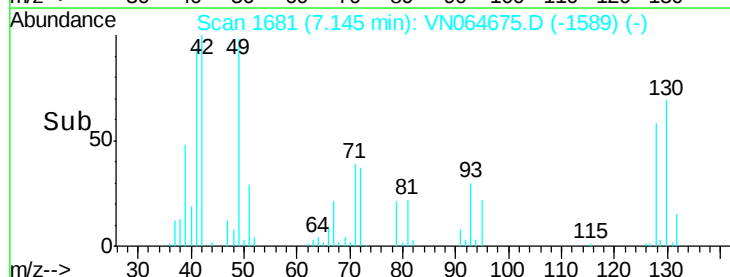
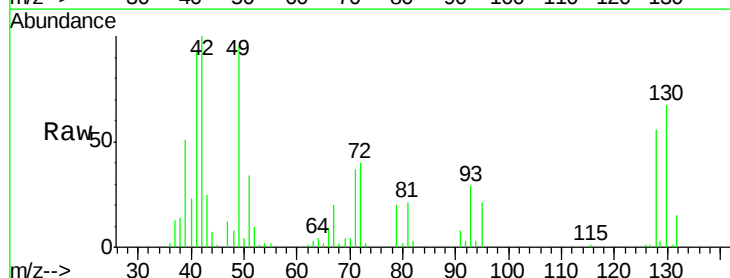
RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	49	Resp:	55744
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	71.0	54.2	81.4





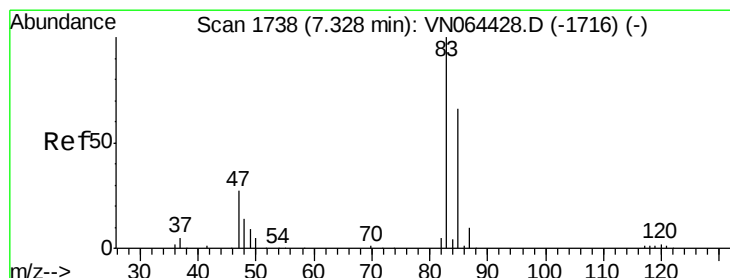
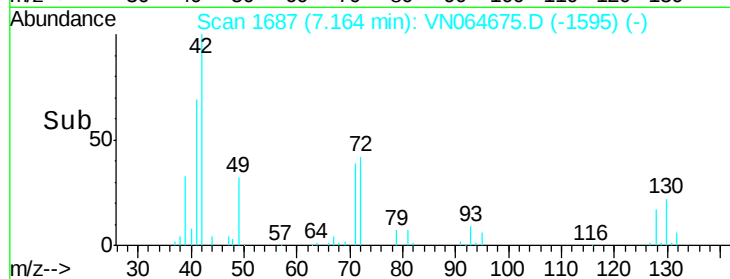
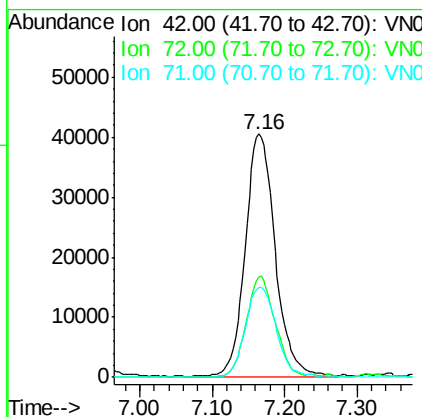
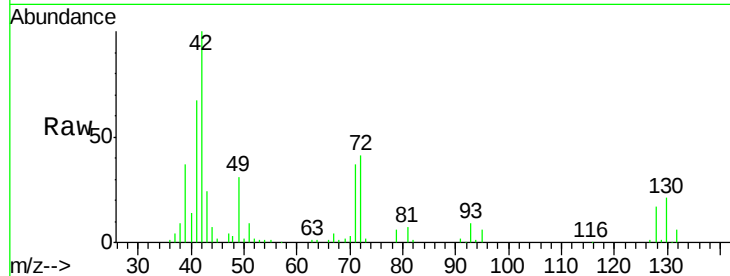
#29
Tetrahydrofuran
Concen: 84.552 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	37.8	29.8	44.6

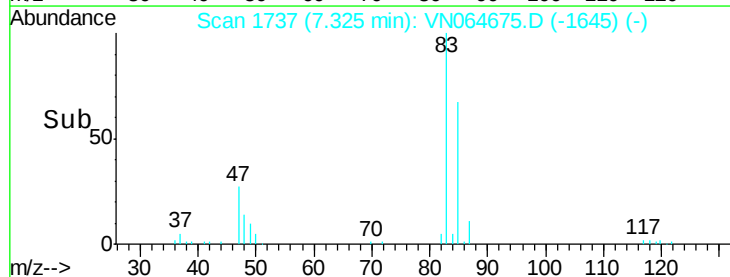
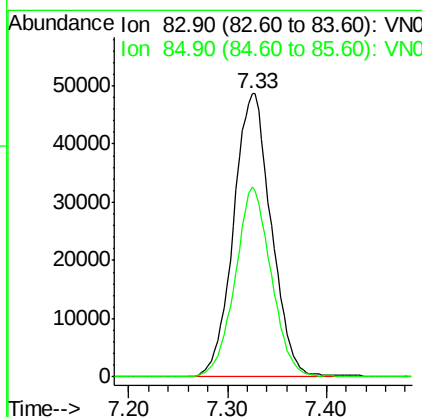
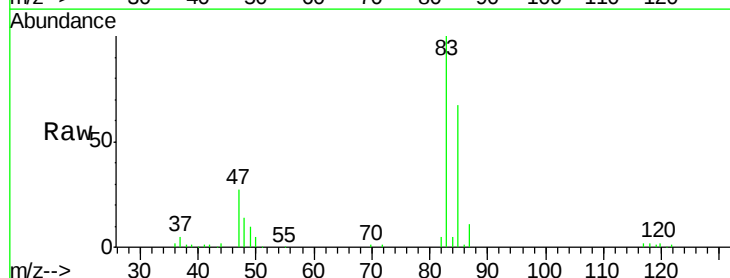
Manual Integrations
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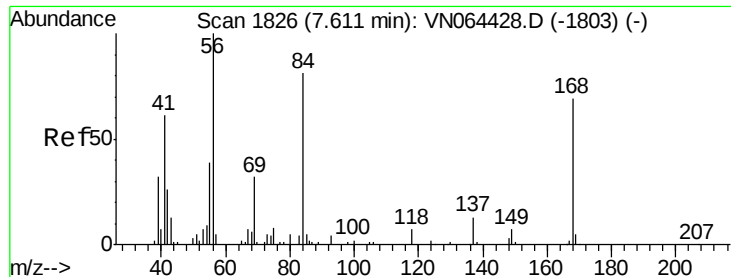
MMDadoda
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#30
Chloroform
Concen: 18.704 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.5	78.7





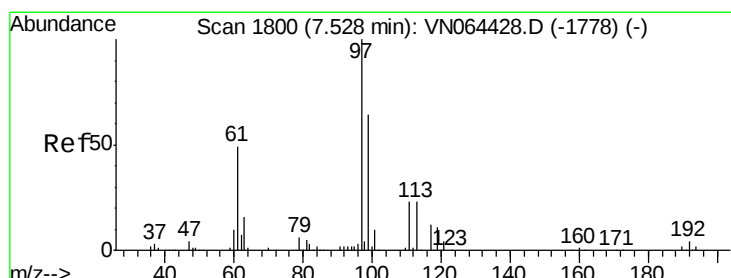
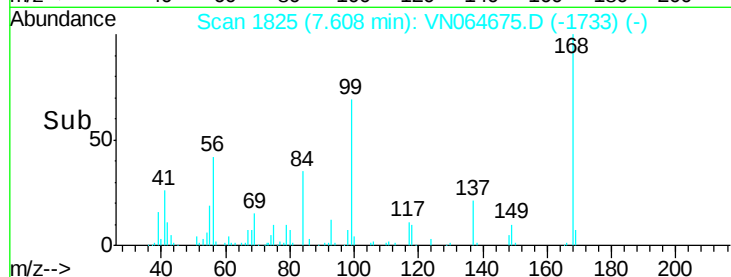
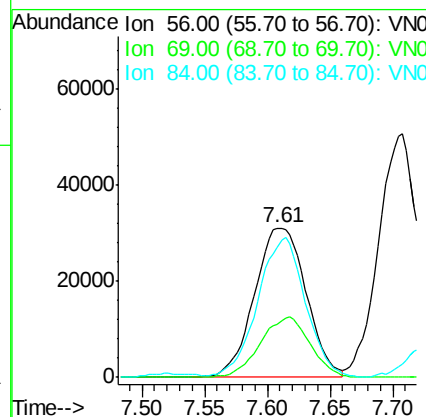
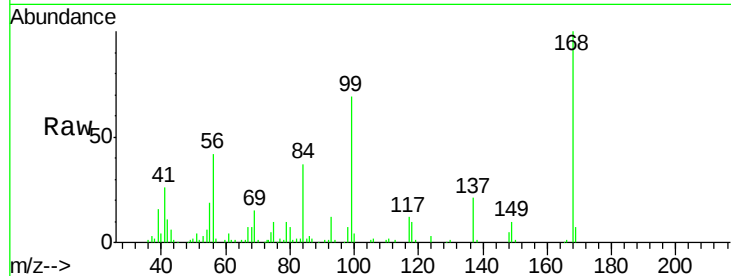
#31
Cyclohexane
Concen: 15.705 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	25.6	38.4
84	85.4	63.0	94.6

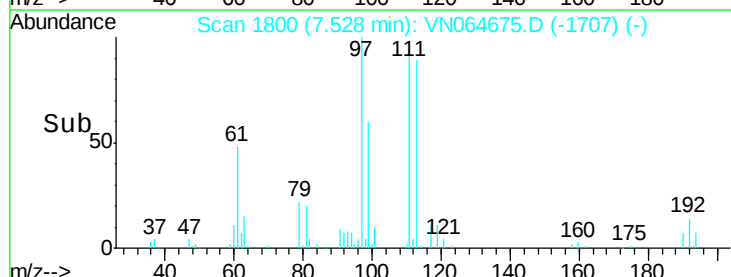
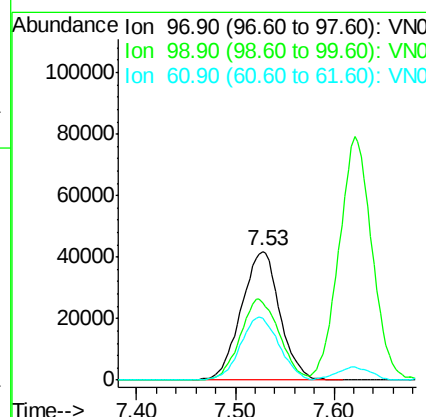
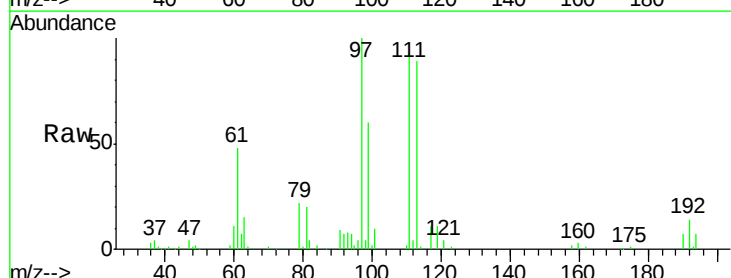
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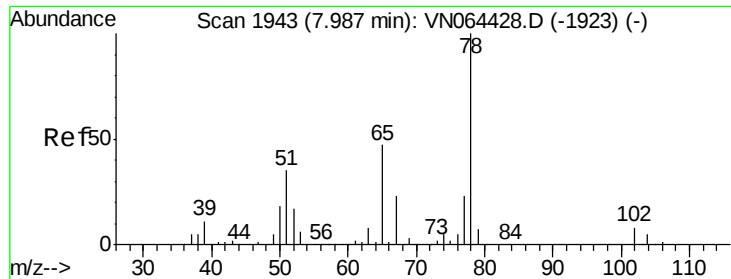
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.543 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	48.8	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 49.208 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 65 Resp: 230256

Ion Ratio Lower Upper

65 100

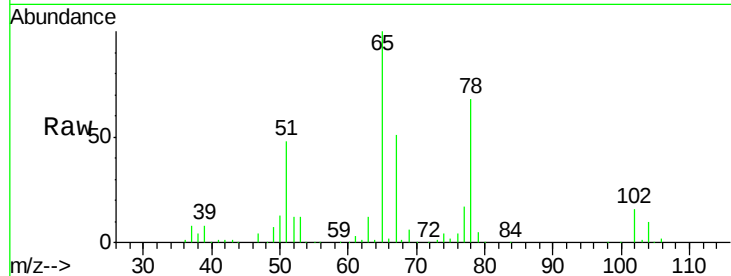
67 50.5 0.0 101.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)

7.98

100000

80000

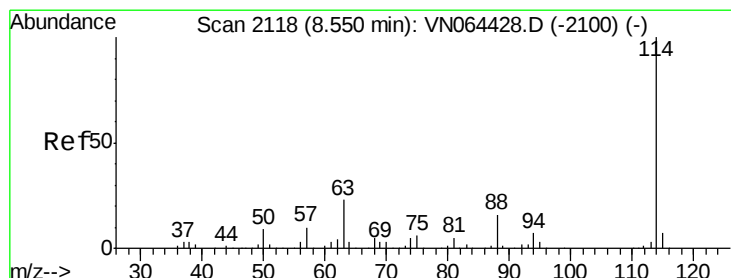
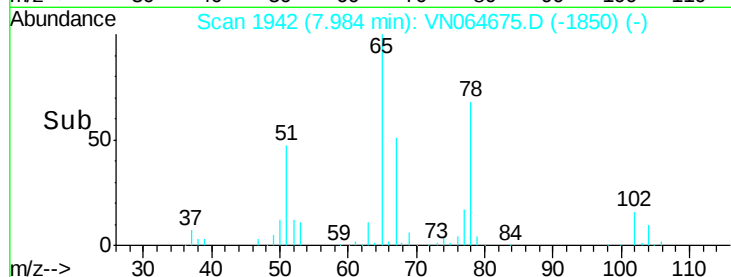
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

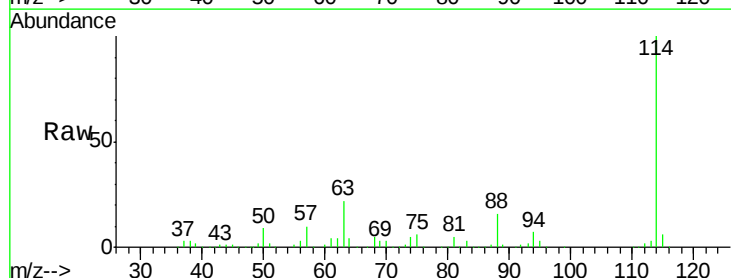
Tgt Ion: 114 Resp: 461236

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

88 16.3 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

8.55

300000

250000

200000

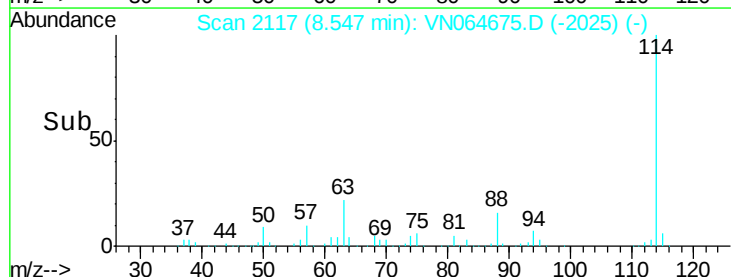
150000

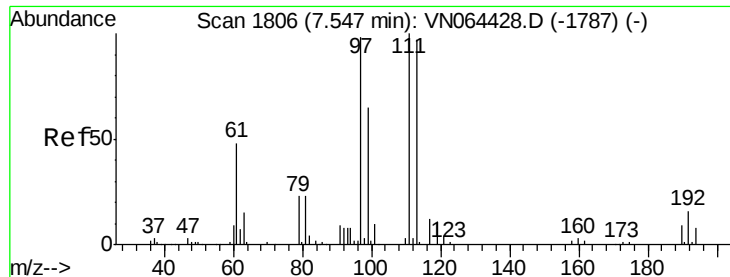
100000

50000

0

Time-->





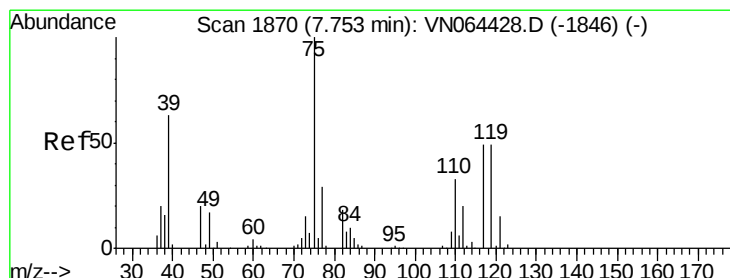
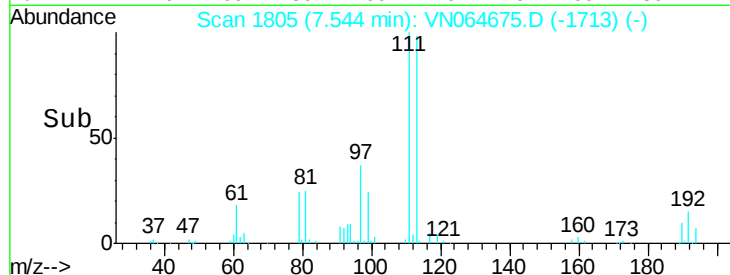
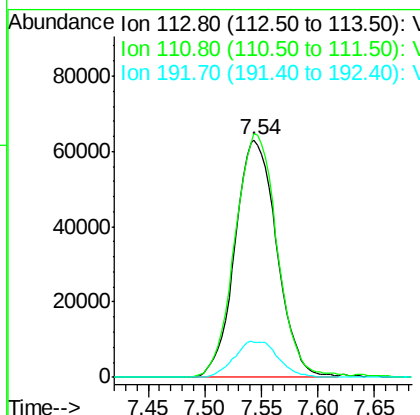
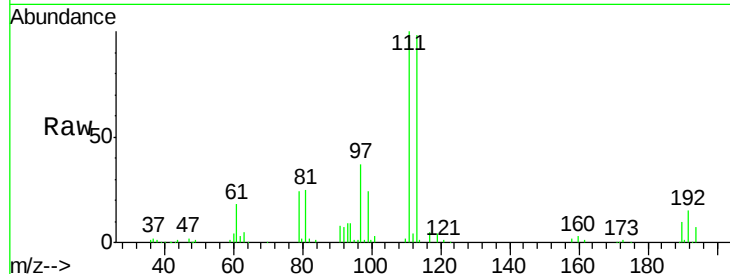
#35
 Dibromofluoromethane
 Concen: 51.618 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162100		
111	104.2	81.1	121.7	
192	15.9	12.8	19.2	

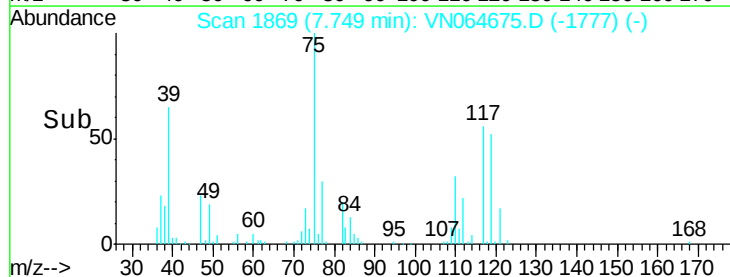
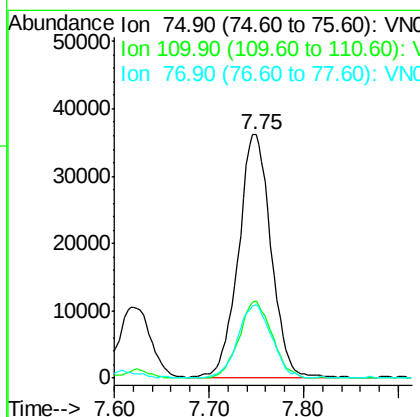
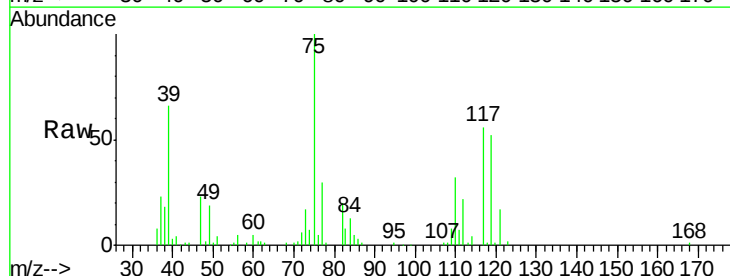
Manual Integrations
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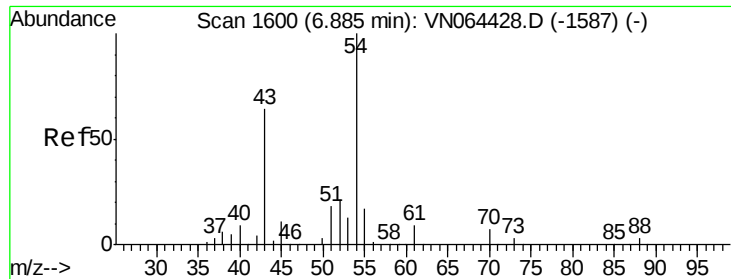
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#36
 1,1-Dichloropropene
 Concen: 17.869 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87071		
110	31.8	16.0	48.0	
77	31.1	24.0	36.0	





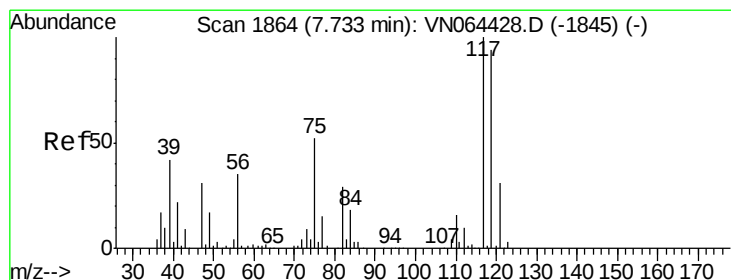
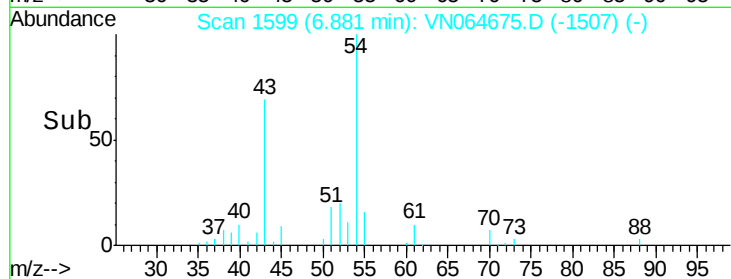
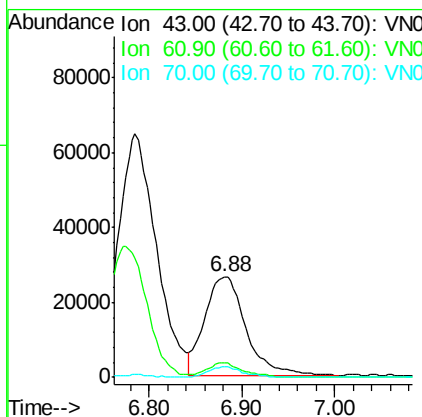
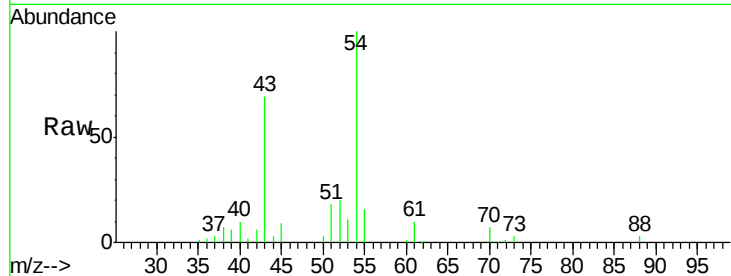
#37
Ethyl Acetate
Concen: 17.294 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.7	10.0	15.0	
70	8.8	7.1	10.7	

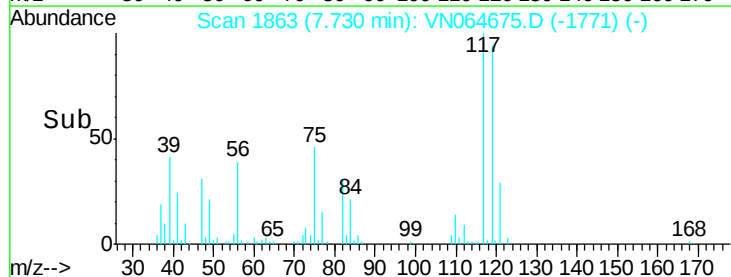
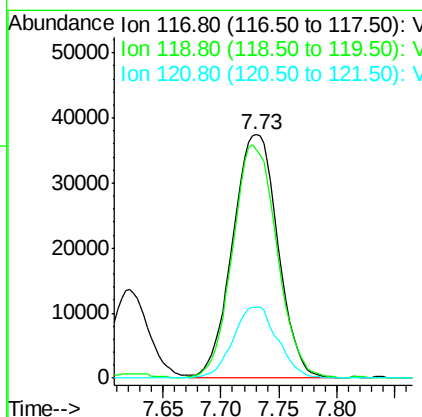
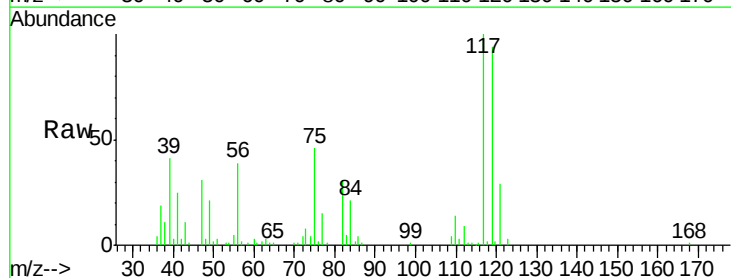
Manual Integrations
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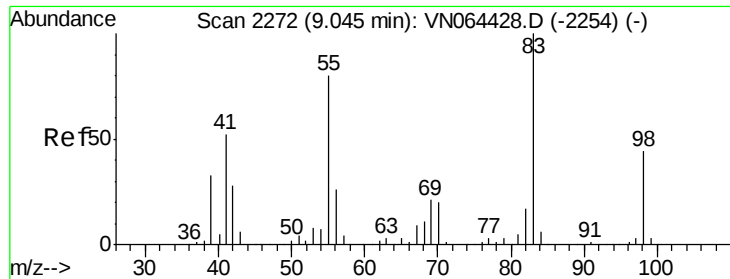
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#38
Carbon Tetrachloride
Concen: 19.572 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.1	75.5	113.3	
121	29.3	24.4	36.6	





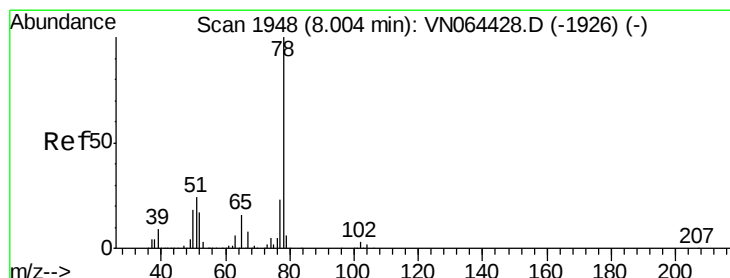
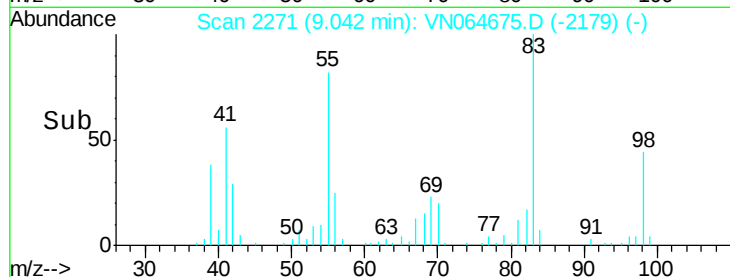
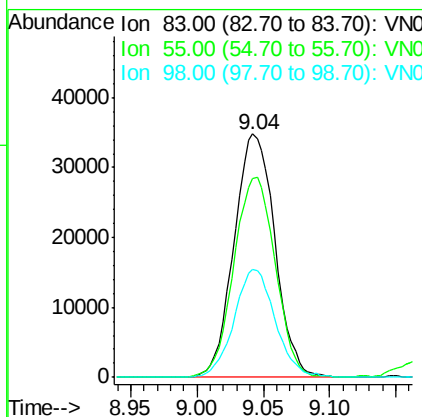
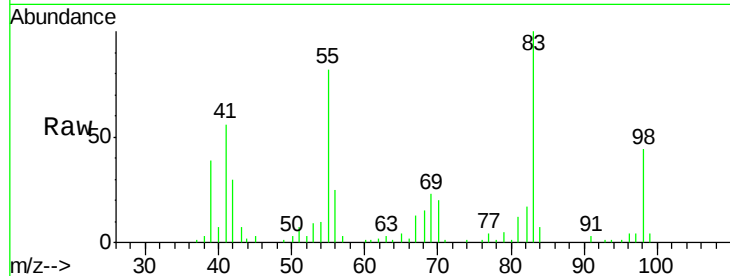
#39
Methvlcvclohexane
Concen: 17.036 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.8	95.6
98	44.1	35.4	53.2

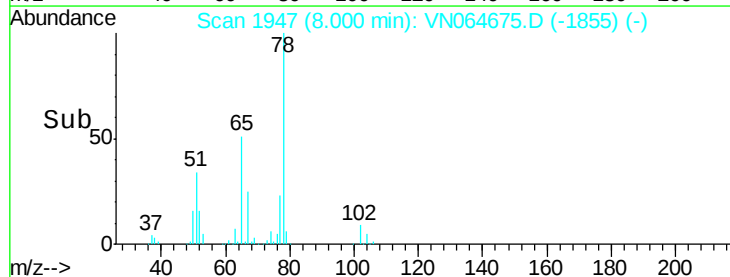
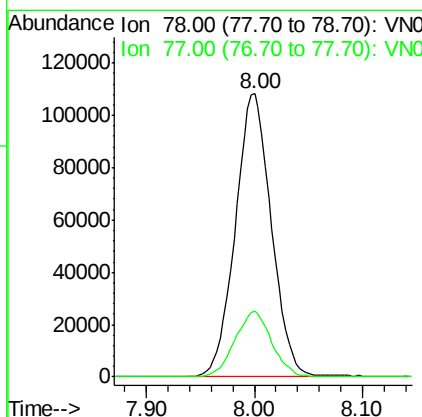
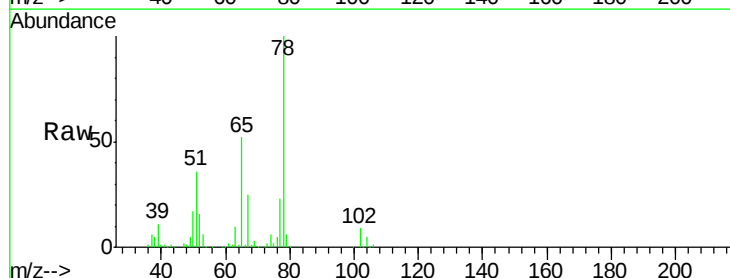
Manual Integrations
APPROVED

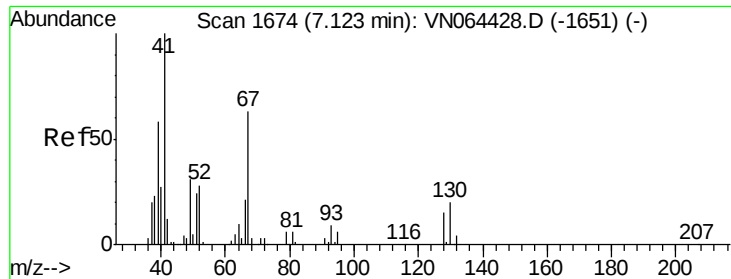
MMDadoda
11/18/2020 5:15:13 PM



#40
Benzene
Concen: 17.574 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





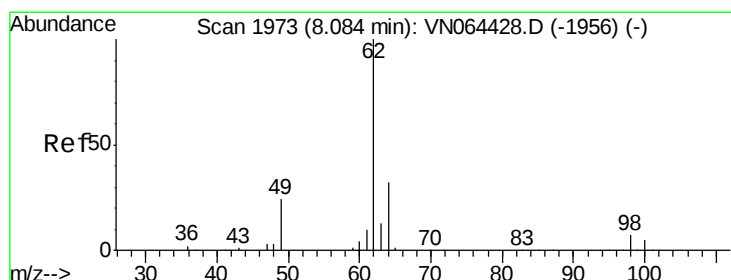
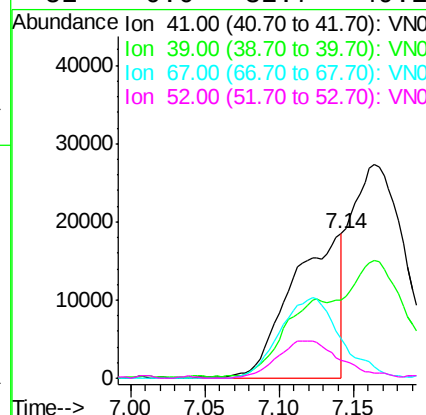
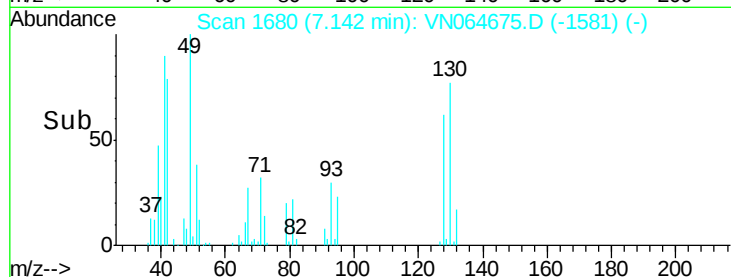
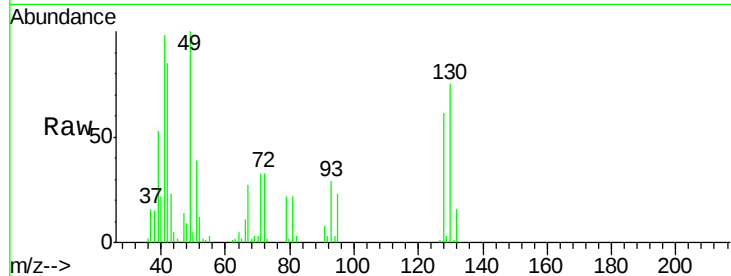
#41
Methacrylonitrile
Concen: 20.230 ug/l m
RT: 7.14 min Scan# 1680
Delta R.T. 0.02 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.5	50.0	75.0#	
67	0.0	68.3	102.5#	
52	0.0	32.7	49.1#	

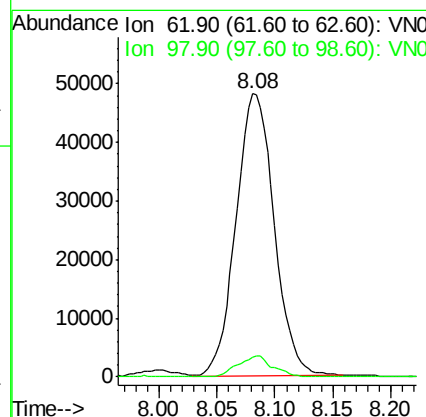
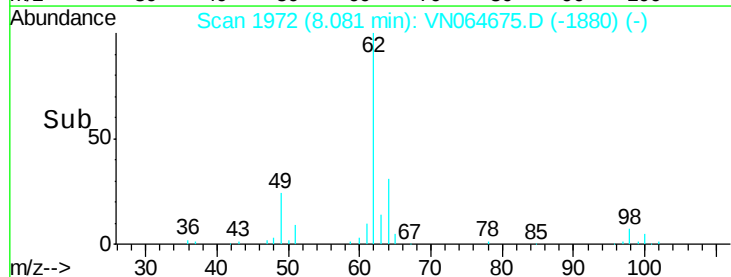
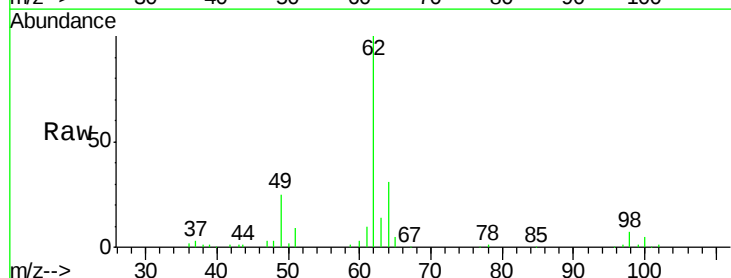
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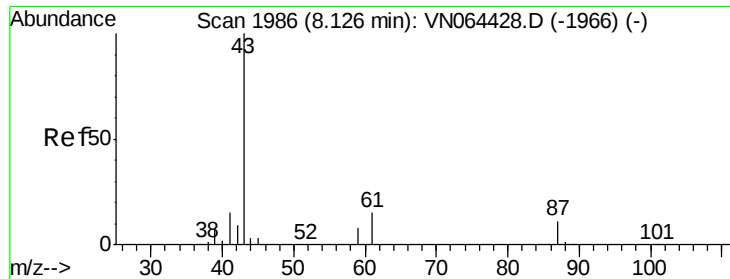
MMDadoda
11/18/2020 5:15:13 PM



#42
1,2-Dichloroethane
Concen: 19.129 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	14.0	





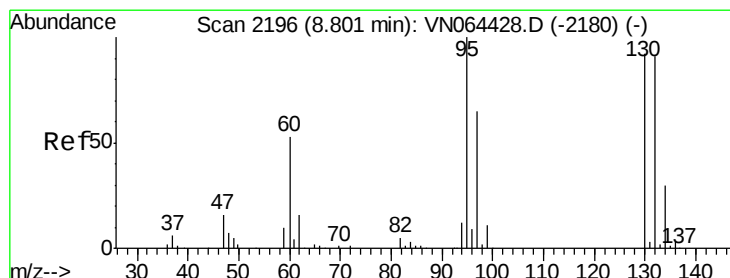
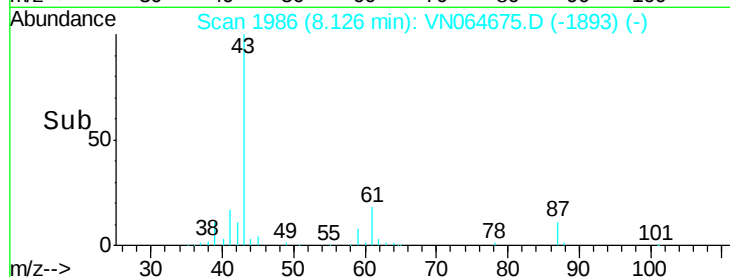
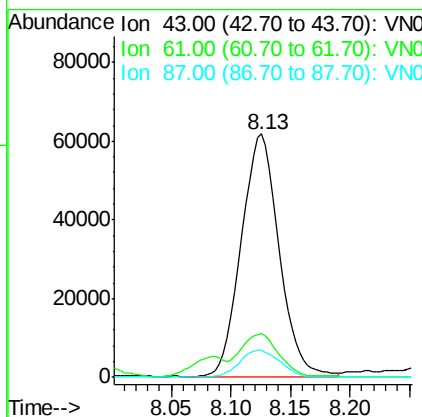
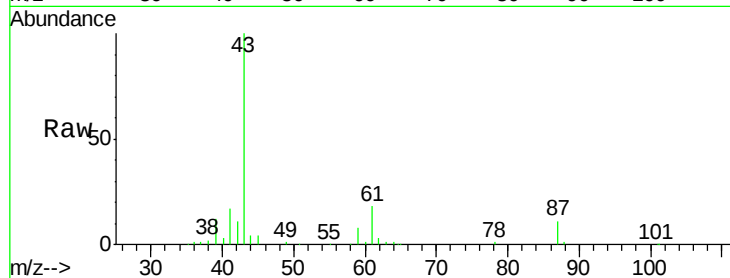
#43
Isopropyl Acetate
Concen: 17.368 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.0	21.0
87	11.9	9.1	13.7

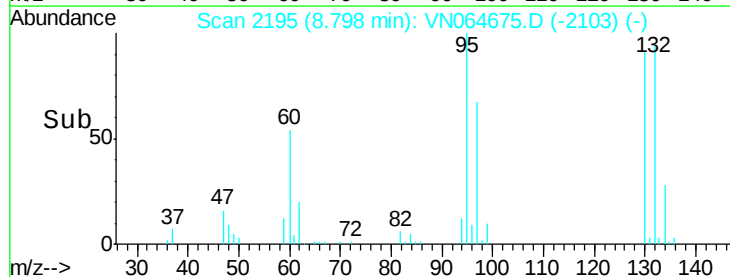
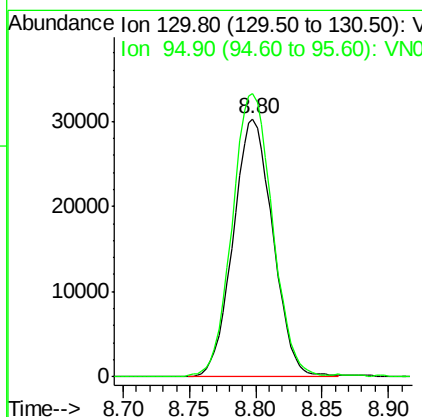
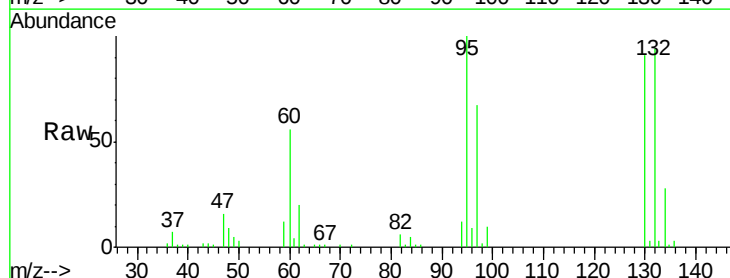
Manual Integrations
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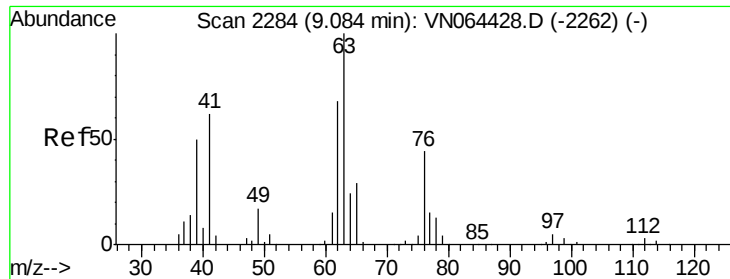
MMDadoda
11/18/2020 5:15:13 PM



#44
Trichloroethene
Concen: 17.383 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	216.8





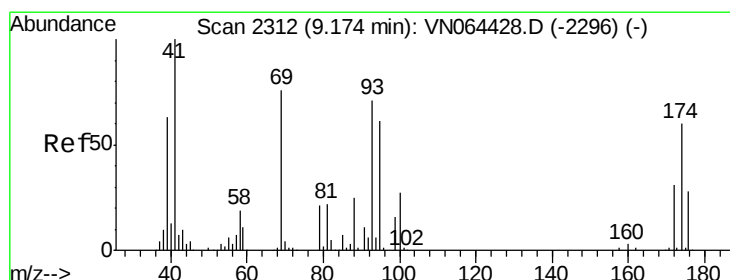
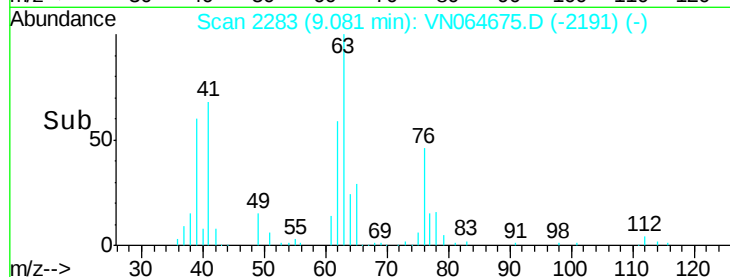
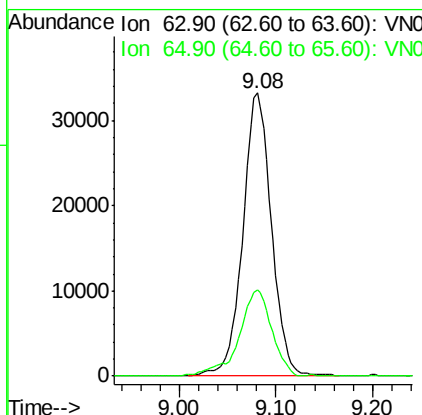
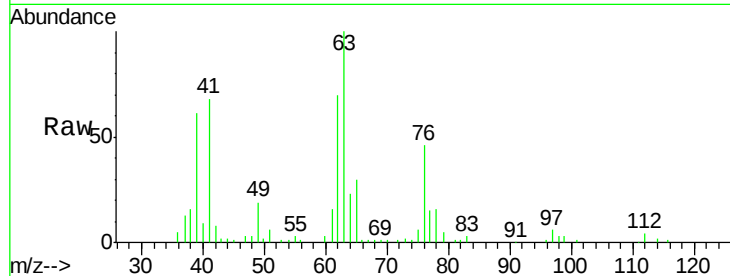
#45
 1,2-Dichloropropane
 Concen: 17.878 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion: 63 Resp: 68303
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.6 35.4

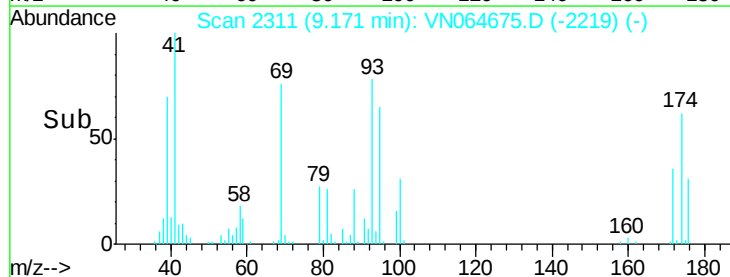
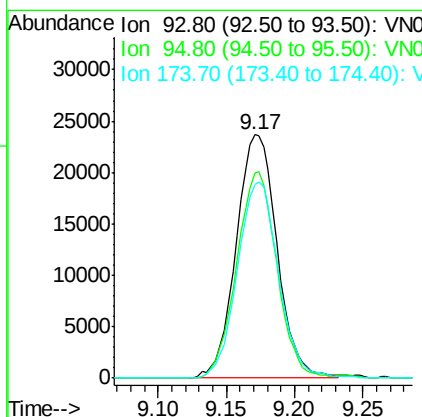
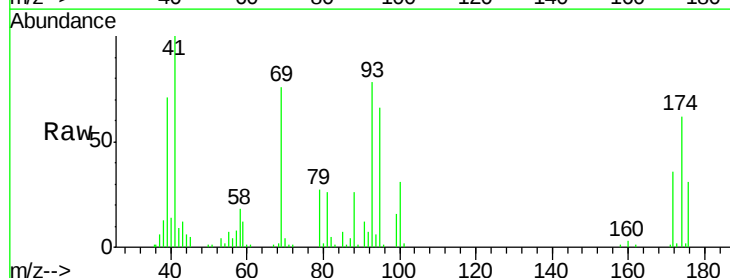
Manual Integrations
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 11/18/2020 5:15:13 PM



#46
 Dibromomethane
 Concen: 19.580 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion: 93 Resp: 49242
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.4 99.6
 174 81.2 67.2 100.8





#47

Bromodichloromethane

Concen: 19.259 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

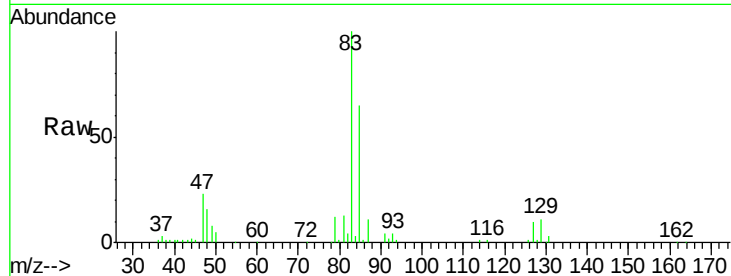
ClientSampleId :

VN1117WBSD01

Tot Ion:	83	Resp:	104149
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.2	76.8
127	9.7	6.9	10.3

Manual Integrations
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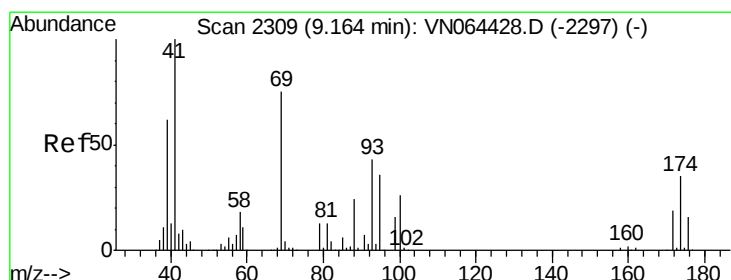
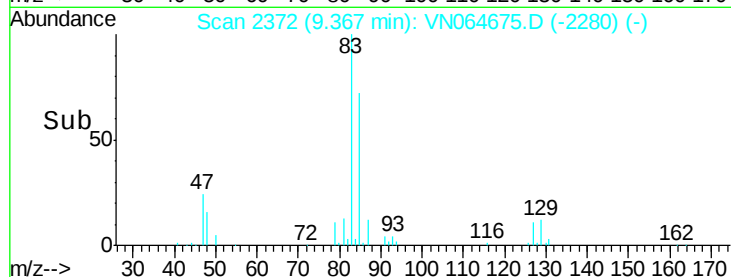


Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 16.190 ug/l

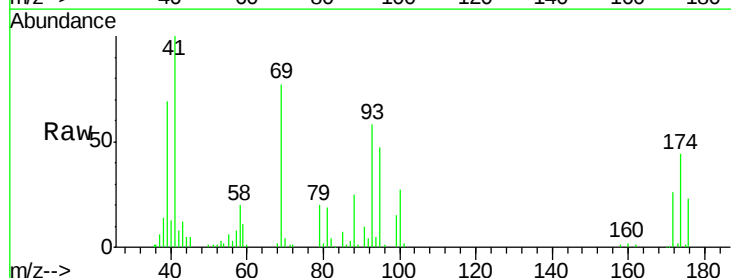
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	41	Resp:	64511
Ion Ratio	Lower	Upper	
41	100		
69	79.5	60.4	90.6
39	71.3	51.2	76.8

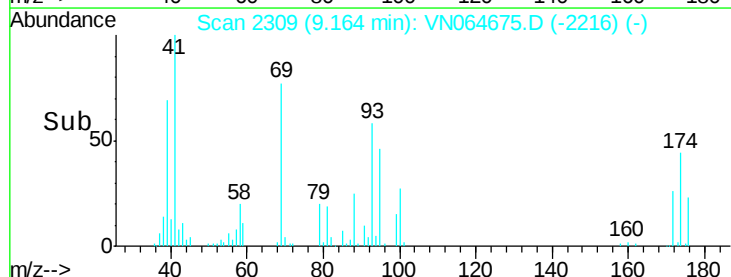


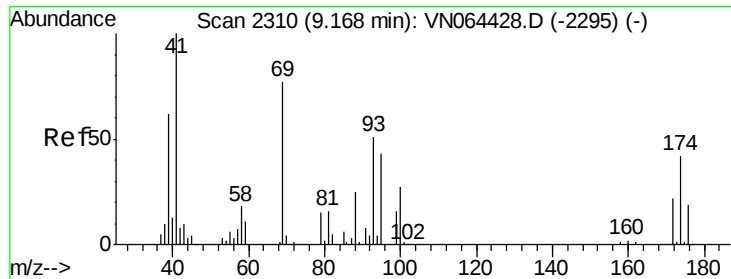
Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)

Time-->





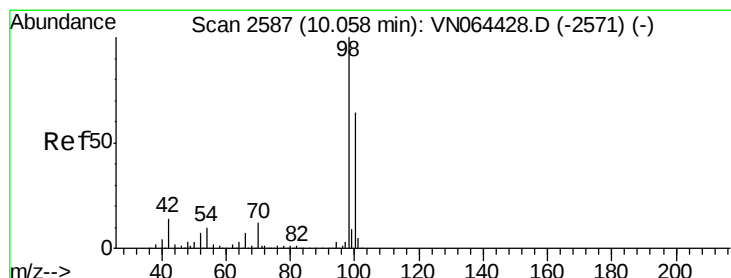
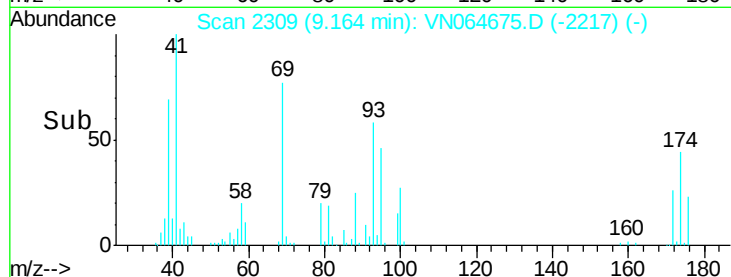
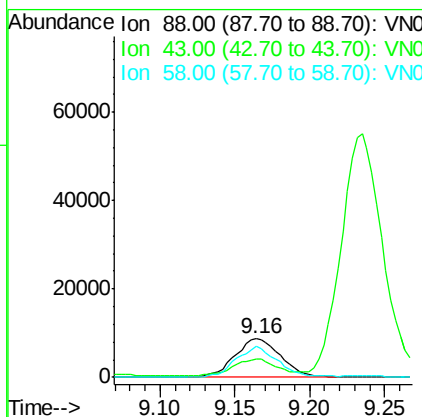
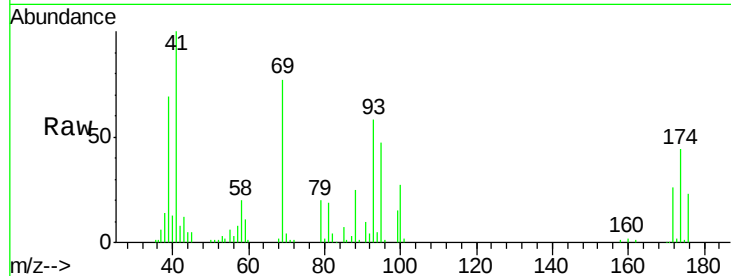
#49
1,4-Dioxane
Concen: 355.011 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	88	Resp	18632
Ion	Ratio	Lower	Upper
88	100		
43	43.4	31.0	46.6
58	72.0	58.4	87.6

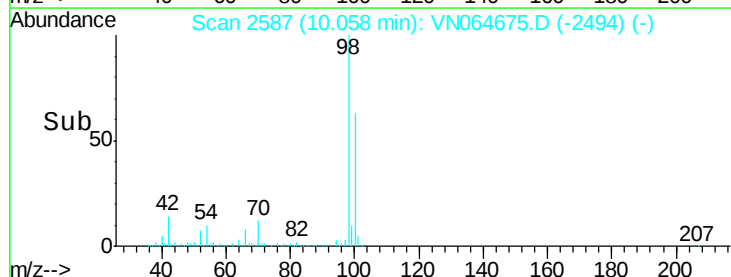
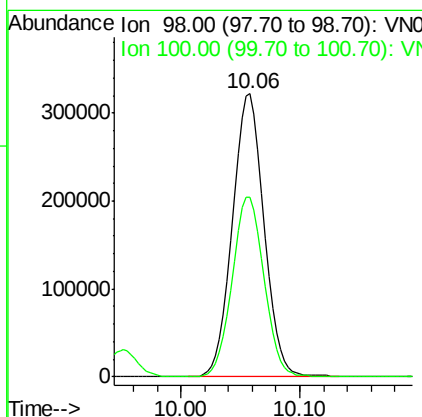
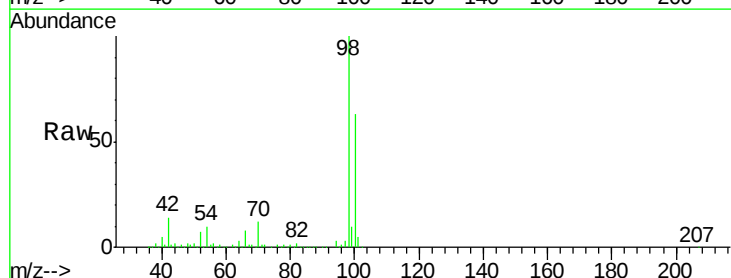
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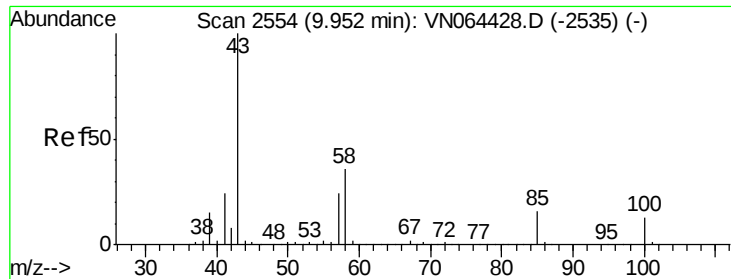
MMDadoda
11/18/2020 5:15:13 PM



#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	98	Resp	593239
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 89.076 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 43 Resp: 410199

Ion Ratio Lower Upper

43 100

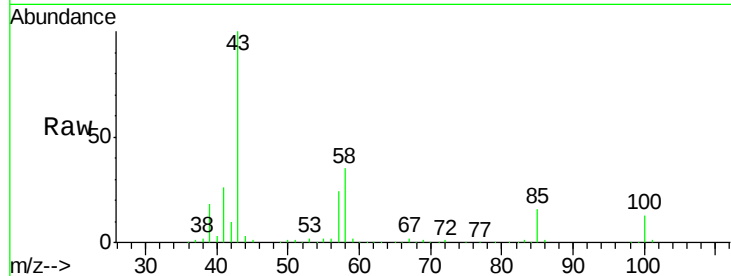
58 34.4 28.4 42.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

9.95

200000

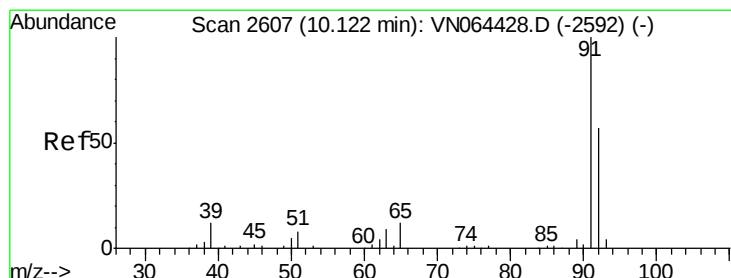
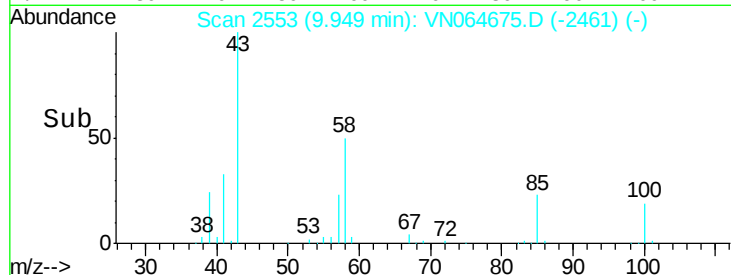
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.037 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064675.D

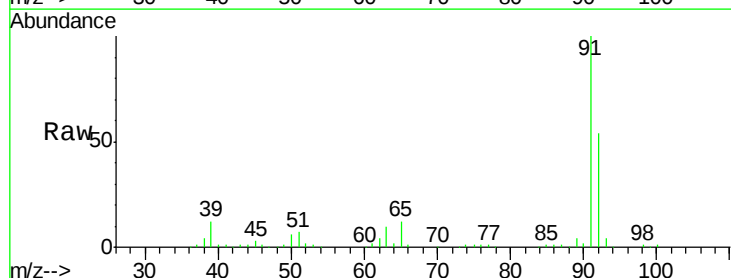
Acq: 17 Nov 2020 13:06

Tgt Ion: 92 Resp: 157512

Ion Ratio Lower Upper

92 100

91 177.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.12

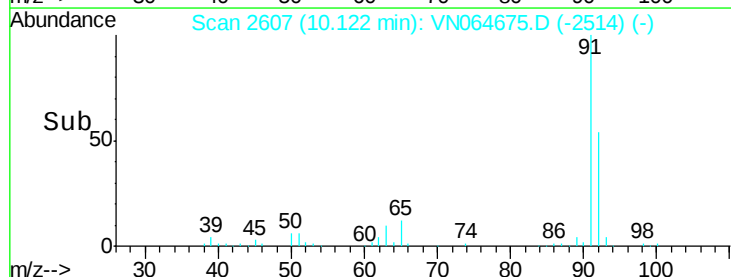
150000

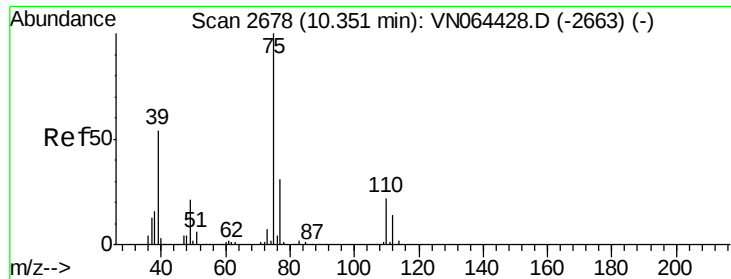
100000

50000

0

Time-->





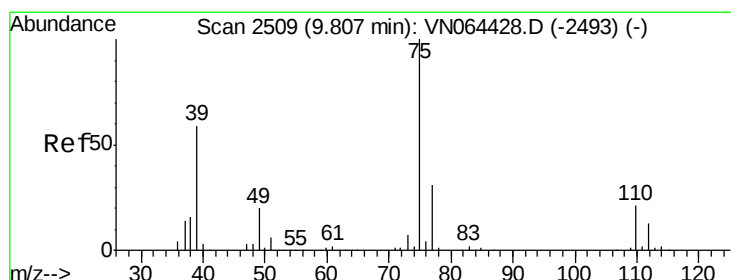
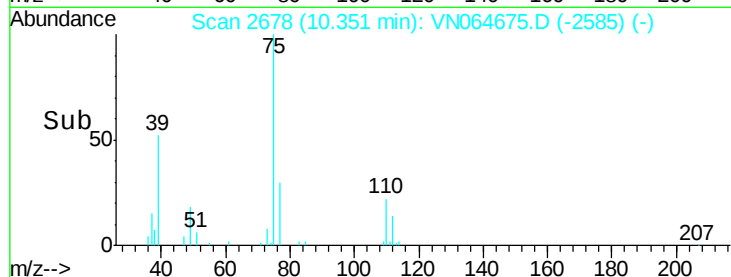
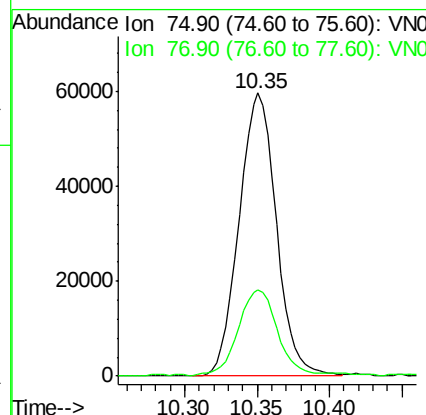
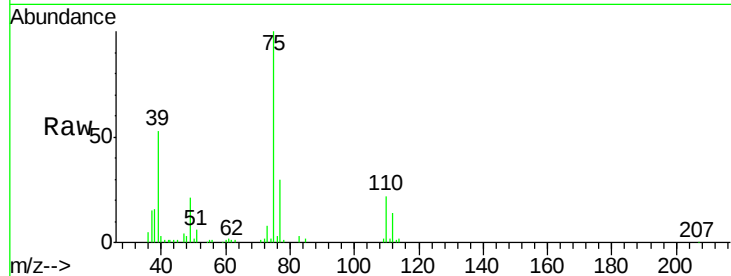
#53
t-1,3-Dichloropropene
Concen: 18.638 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.8	37.2

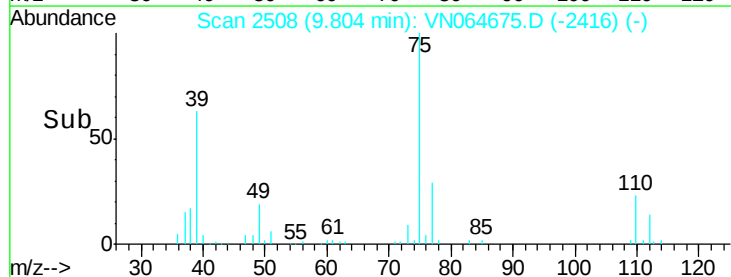
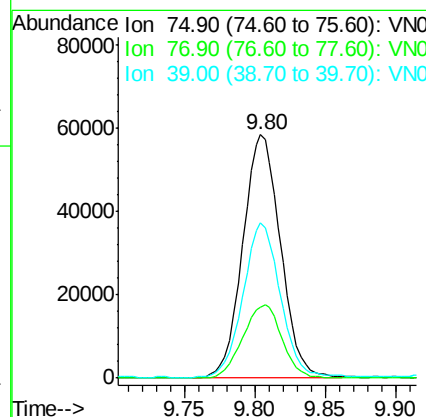
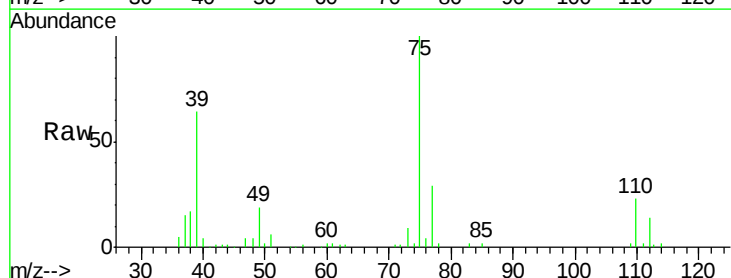
Manual Integrations
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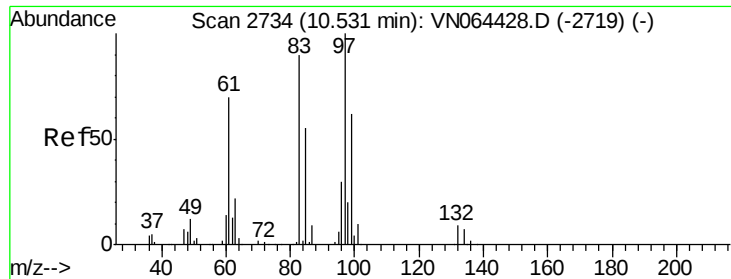
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.907 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.9	37.3
39	63.2	47.1	70.7





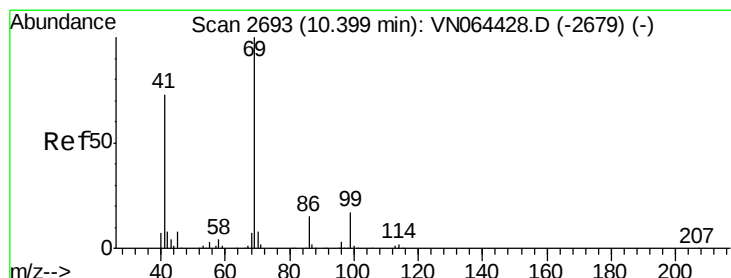
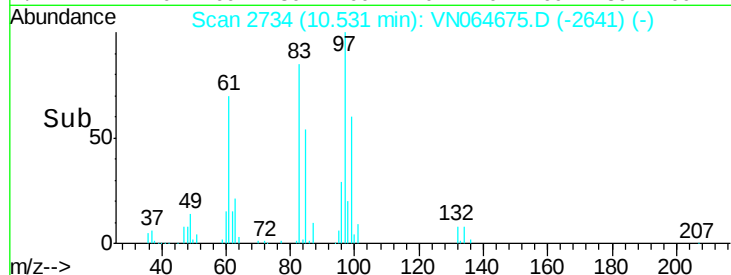
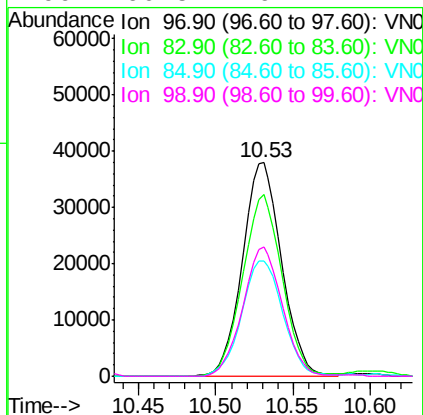
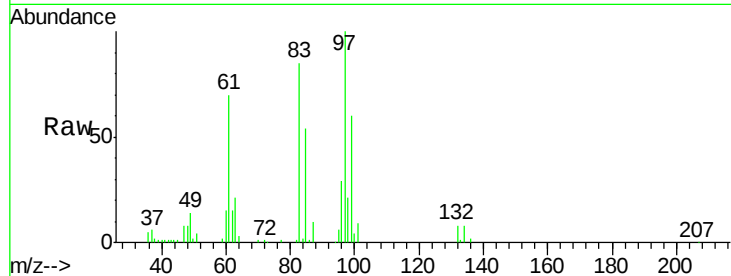
#55
 1,1,2-Trichloroethane
 Concen: 19.725 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion:	97	Resp:	67181
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.7	107.5
85	54.2	44.3	66.5
99	60.5	49.4	74.2

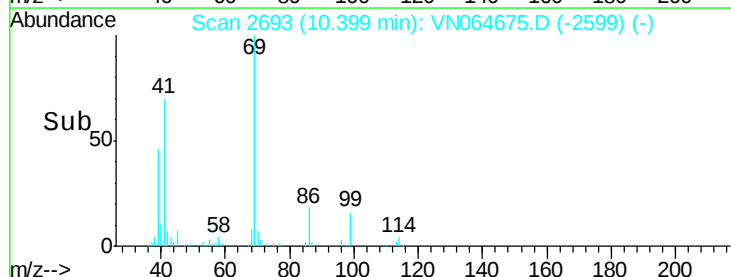
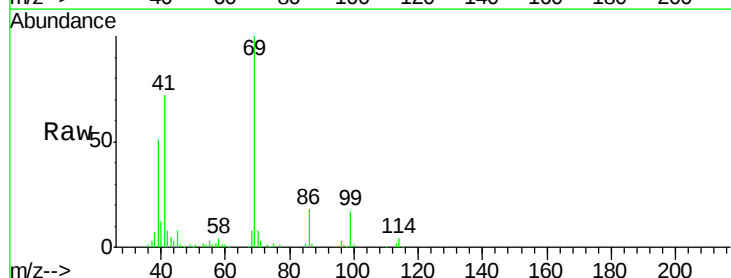
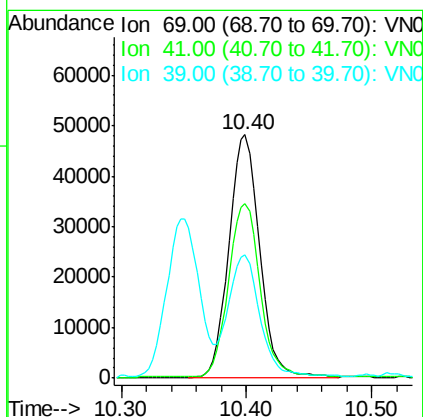
Manual Integrations
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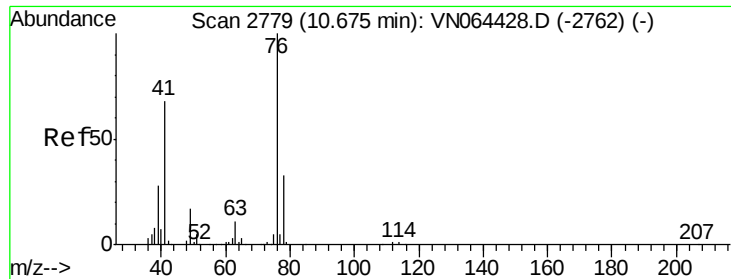
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 11/18/2020 5:15:13 PM



#56
 Ethyl methacrylate
 Concen: 16.010 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion:	69	Resp:	82429
Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.3	88.9
39	50.6	35.4	53.0





#57

1,3-Dichloropropane

Concen: 18.378 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 76 Resp: 109251

Ion Ratio Lower Upper

76 100

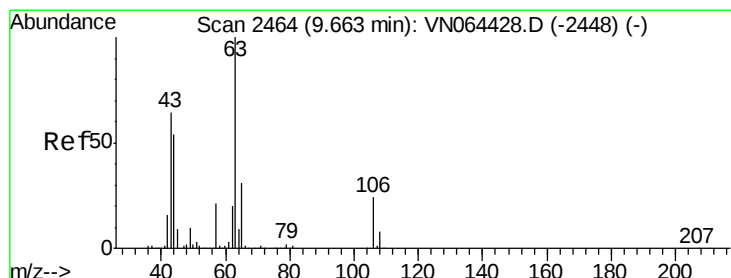
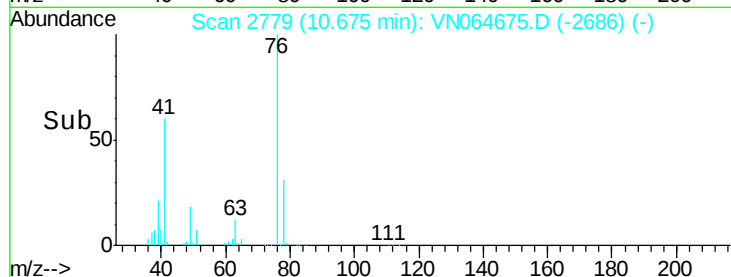
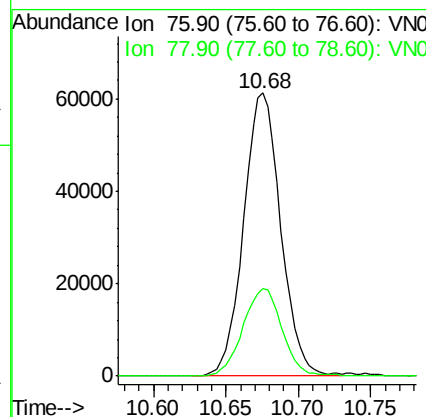
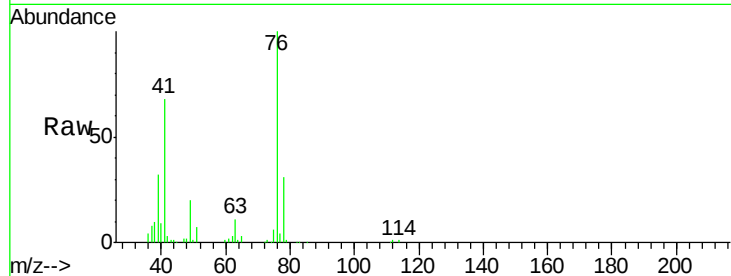
78 32.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.100 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064675.D

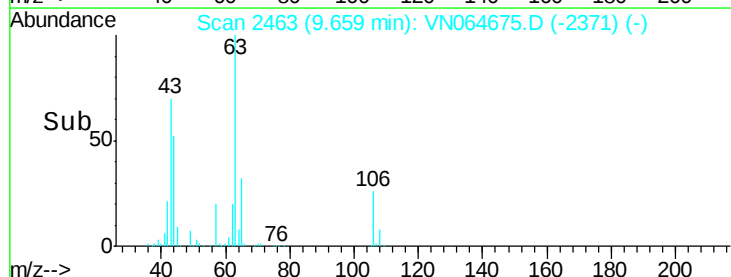
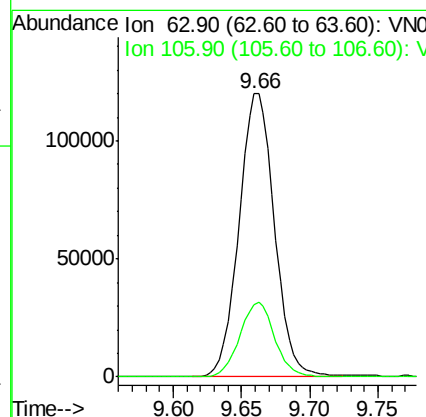
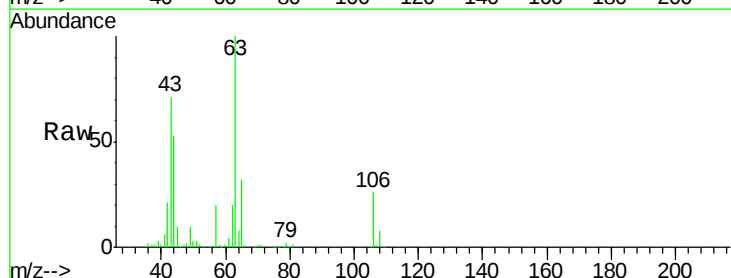
Acq: 17 Nov 2020 13:06

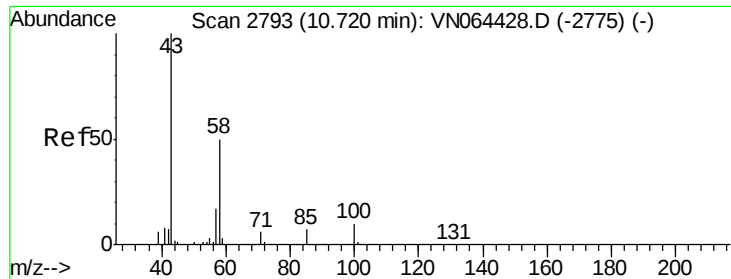
Tgt Ion: 63 Resp: 216035

Ion Ratio Lower Upper

63 100

106 26.0 19.5 29.3





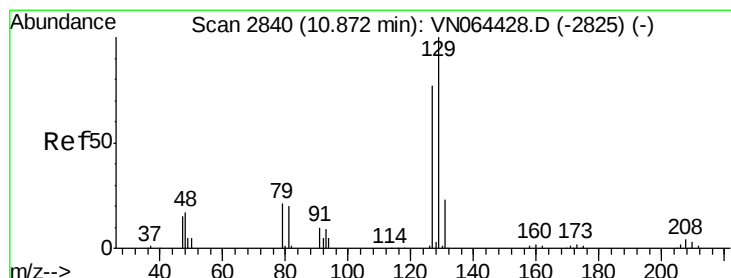
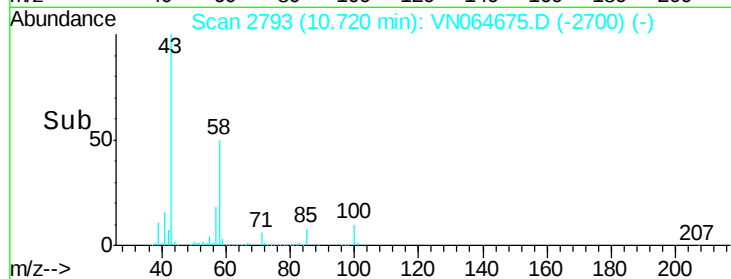
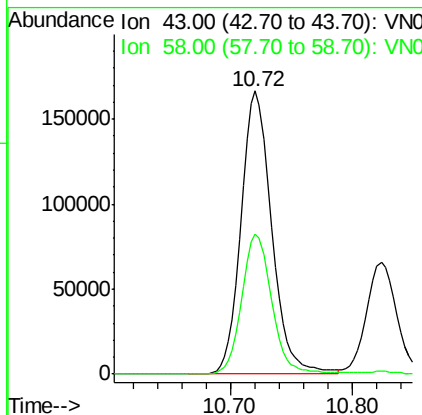
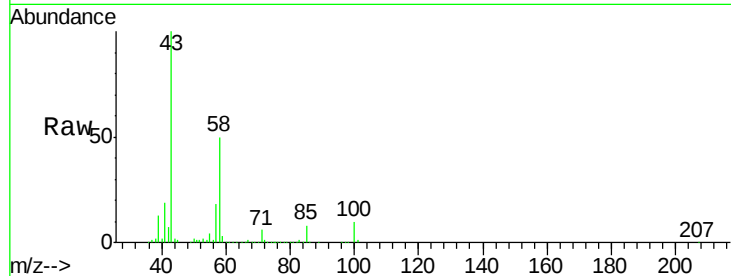
#59
2-Hexanone
Concen: 79.235 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion: 43 Resp: 287035
Ion Ratio Lower Upper
43 100
58 48.8 24.7 74.1

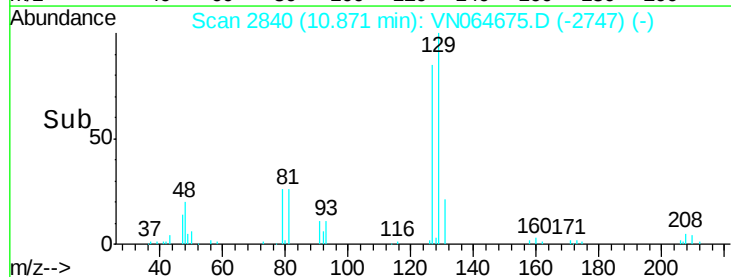
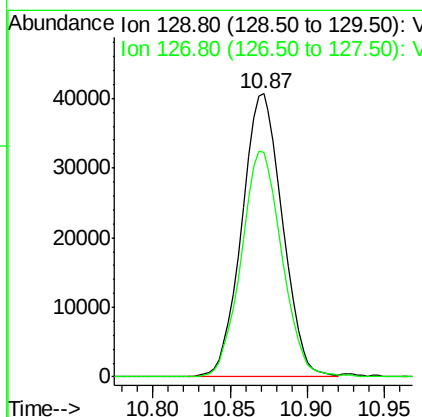
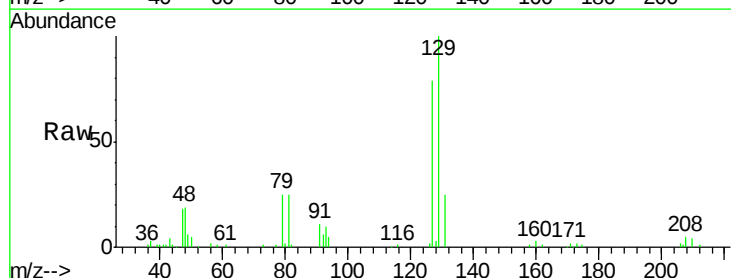
Manual Integrations
APPROVED

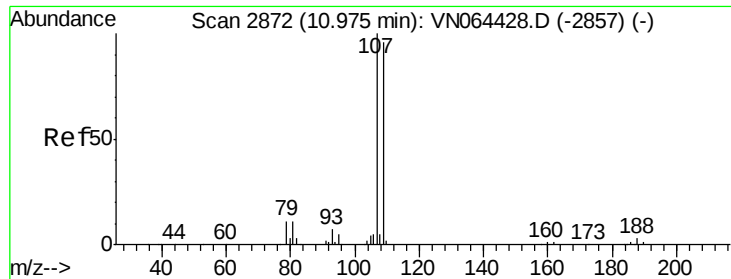
MMDadoda
11/18/2020 5:15:13 PM



#60
Dibromochloromethane
Concen: 19.482 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion: 129 Resp: 74289
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.7





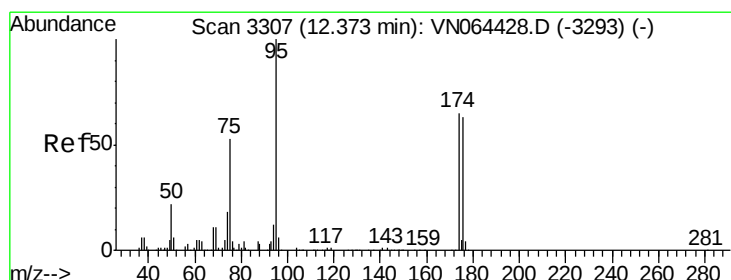
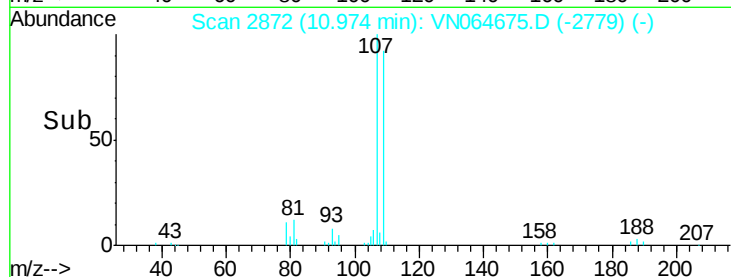
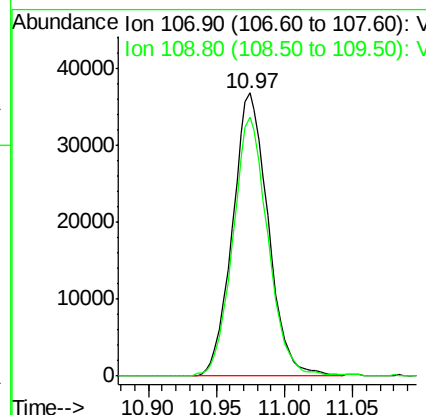
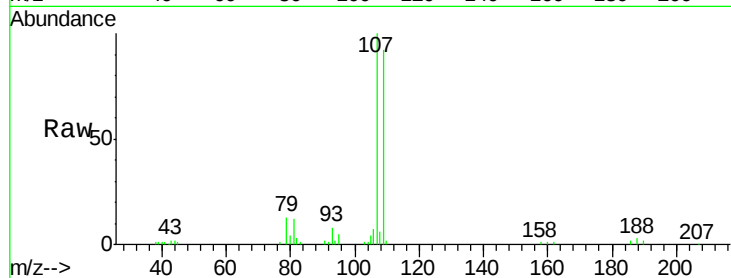
#61
 1,2-Dibromoethane
 Concen: 19.295 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	75.9	113.9

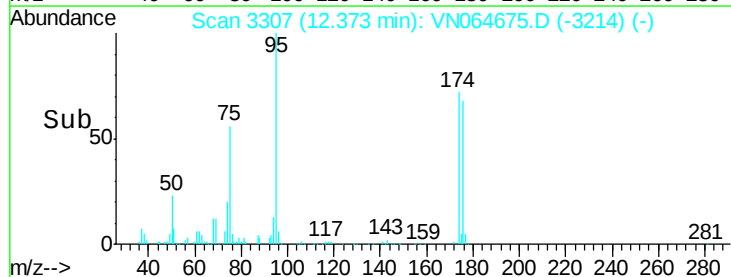
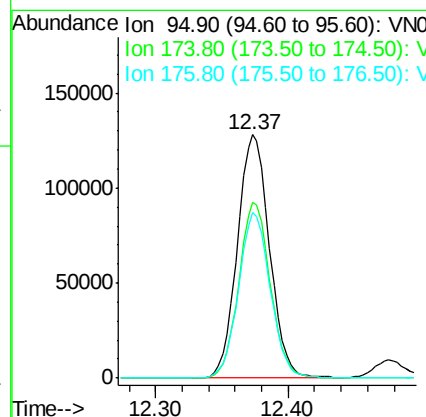
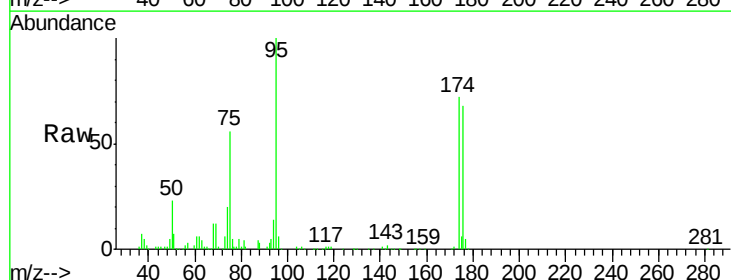
Manual Integrations
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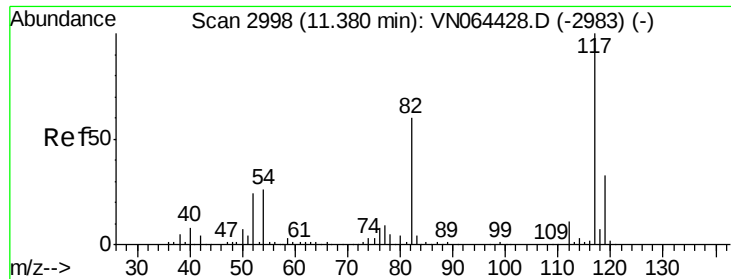
MMDadoda
 11/18/2020 5:15:13 PM



#62
 4-Bromofluorobenzene
 Concen: 46.890 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	132.6
176	67.5	0.0	129.2





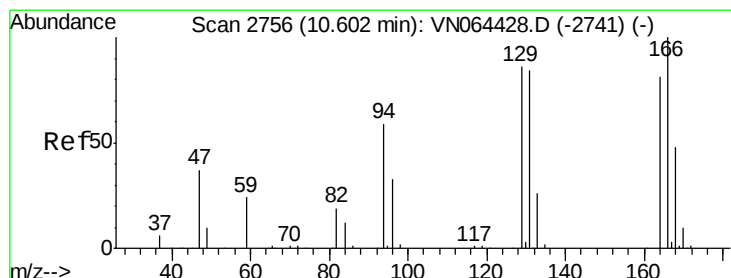
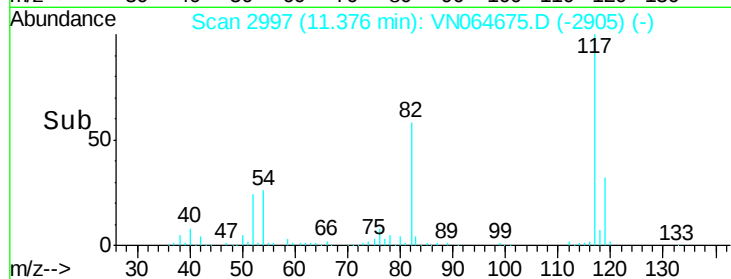
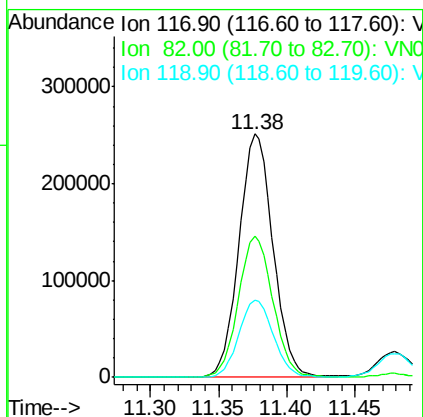
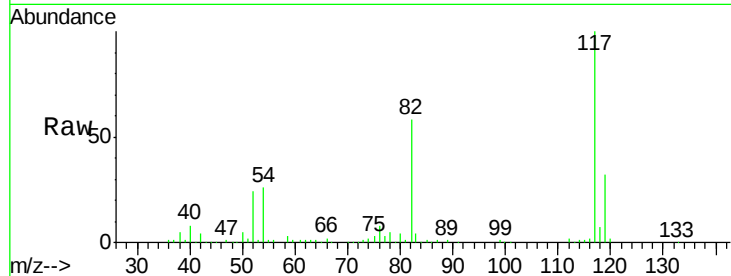
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.1	72.1
119	31.7	26.2	39.4

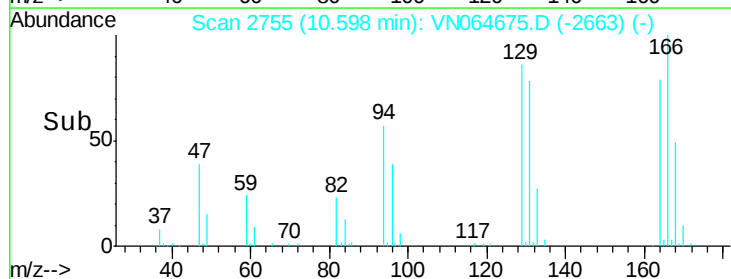
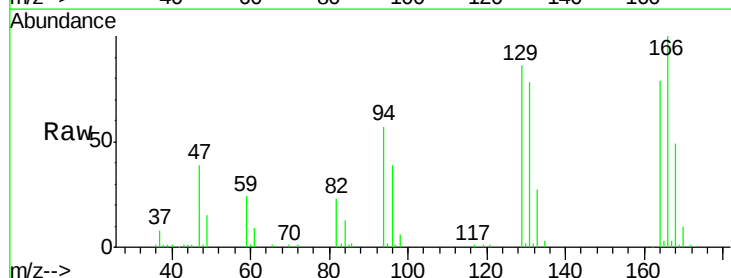
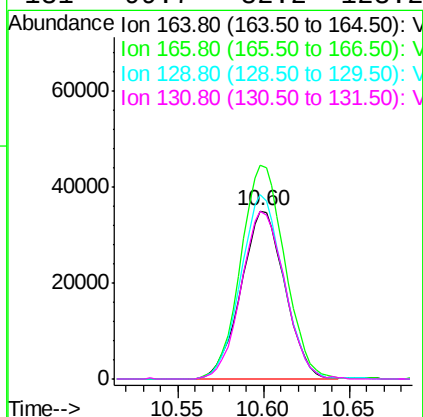
Manual Integrations
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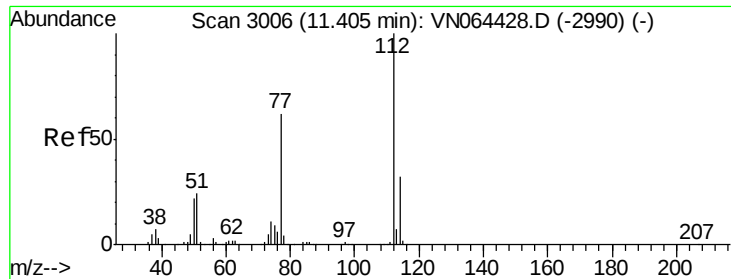
MMDadoda
11/18/2020 5:15:13 PM



#64
Tetrachloroethene
Concen: 18.378 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.2	147.2
129	109.9	84.6	127.0
131	99.7	82.2	123.2





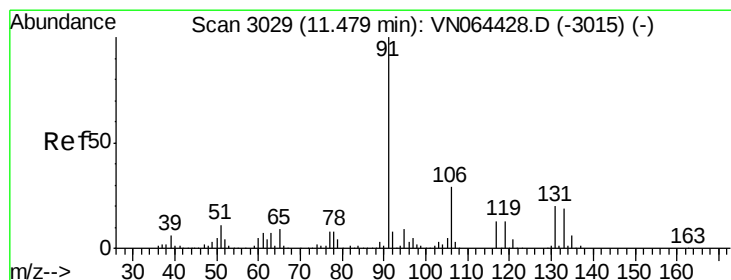
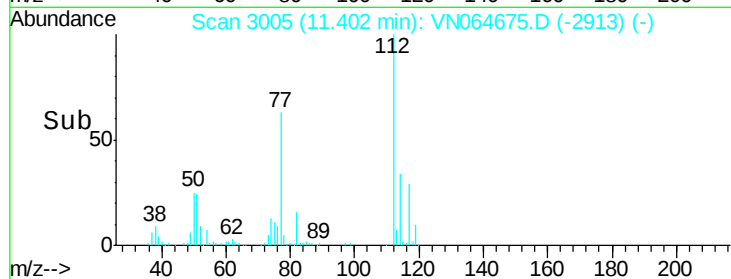
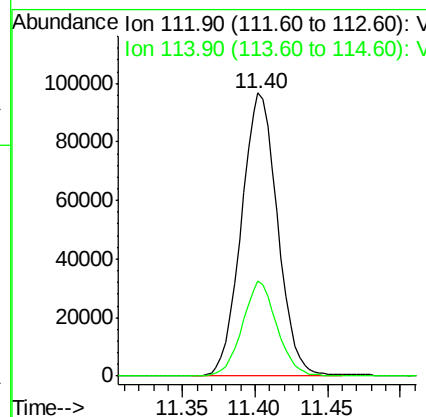
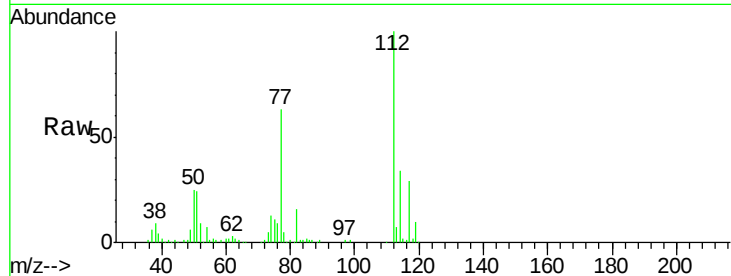
#65
Chlorobenzene
Concen: 17.547 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion:112 Resp: 167798
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4

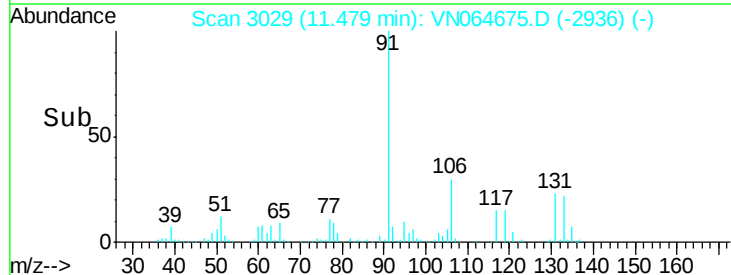
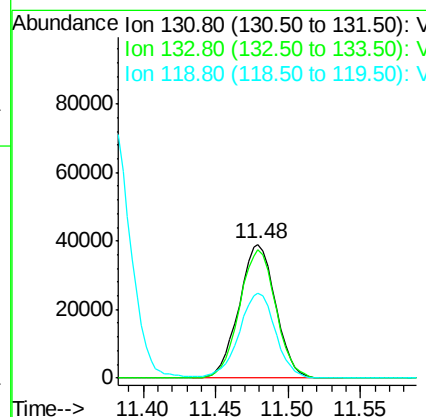
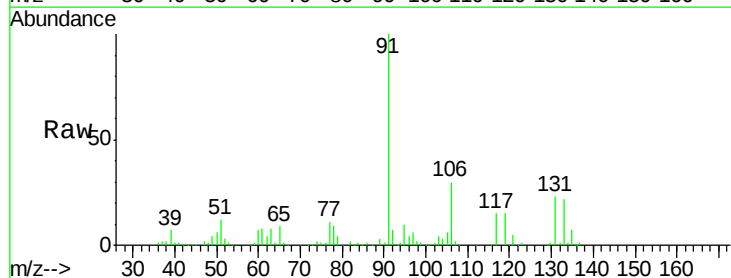
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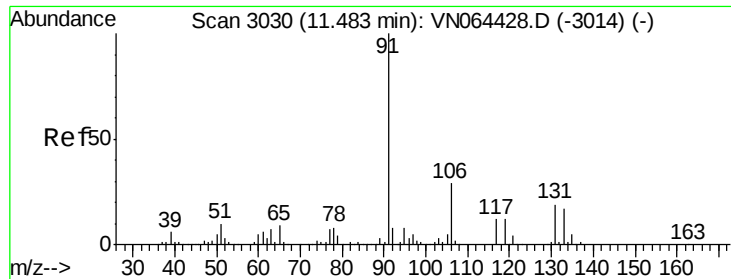
MMDadoda
11/18/2020 5:15:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.156 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion:131 Resp: 68337
Ion Ratio Lower Upper
131 100
133 95.0 46.9 140.7
119 63.1 32.1 96.5





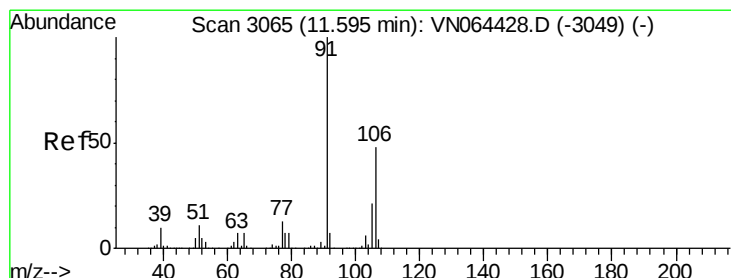
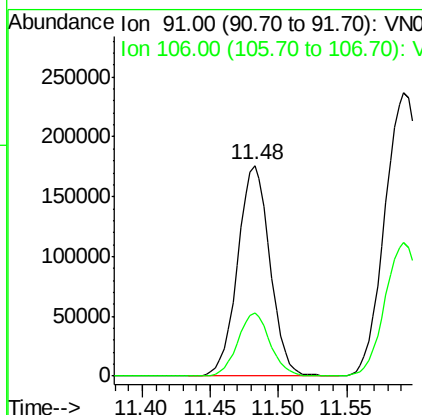
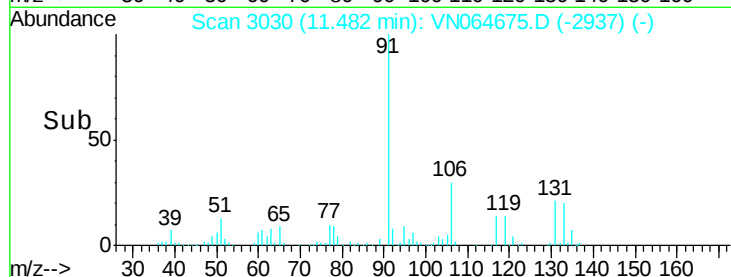
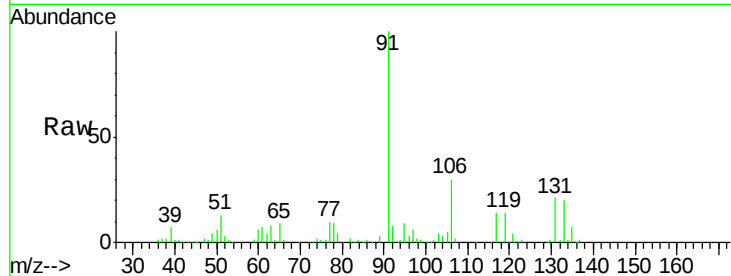
#67
Ethyl Benzene
Concen: 17.007 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion: 91 Resp: 289283
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

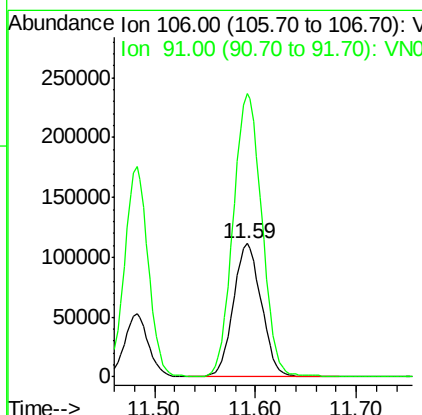
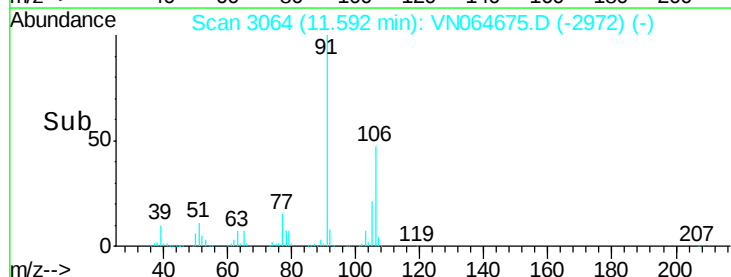
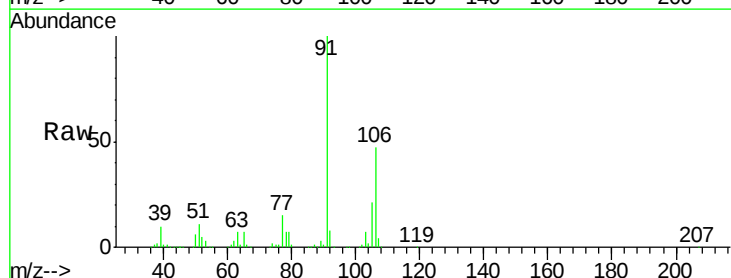
Manual Integrations
APPROVED

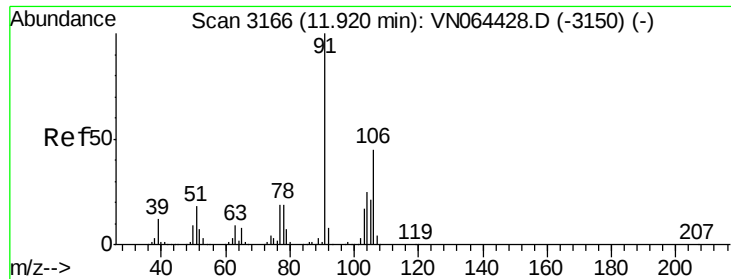
MMDadoda
11/18/2020 5:15:13 PM



#68
m/p-Xylenes
Concen: 34.987 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion: 106 Resp: 215822
Ion Ratio Lower Upper
106 100
91 215.8 169.4 254.2





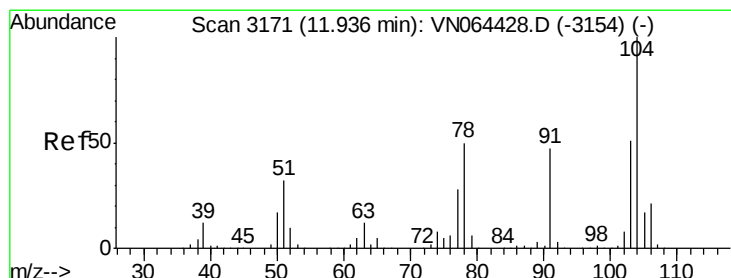
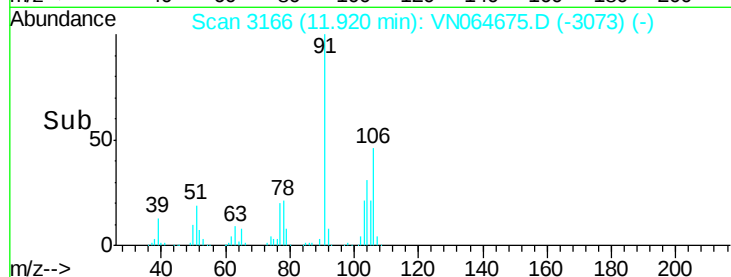
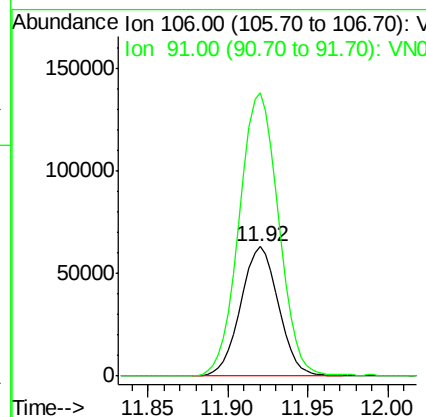
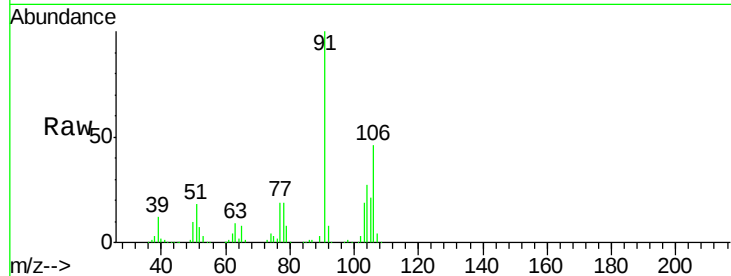
#69
o-Xylene
Concen: 17.131 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		102116		
91	227.4	111.7	334.9		

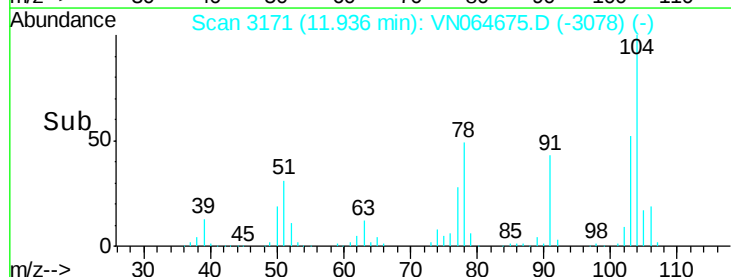
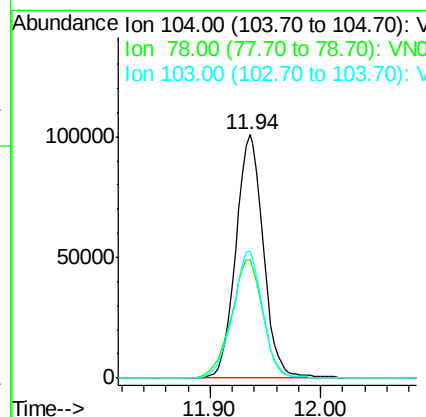
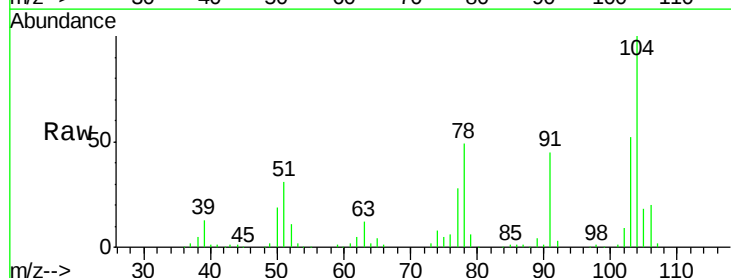
Manual Integrations
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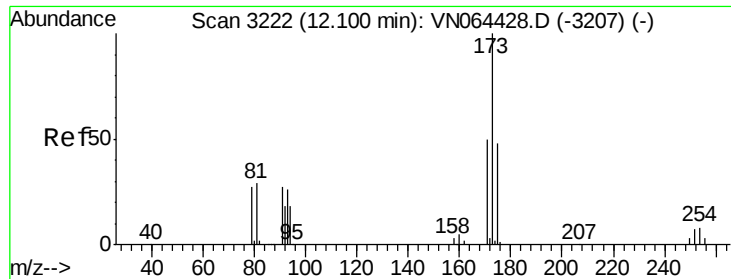
MMDadoda
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#70
Styrene
Concen: 17.381 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		174339		
78	55.6	44.0	66.0		
103	56.5	43.8	65.6		





#71

Bromoform

Concen: 18.165 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion:173 Resp: 46427

Ion Ratio Lower Upper

173 100

175 46.9 23.7 71.1

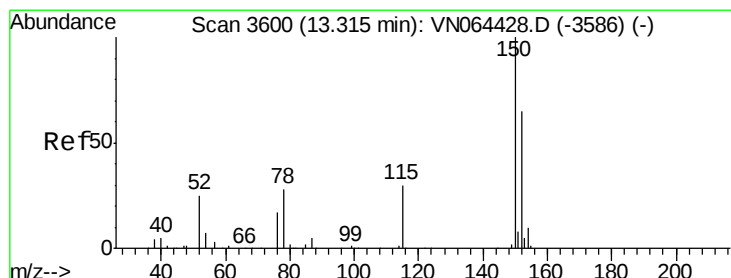
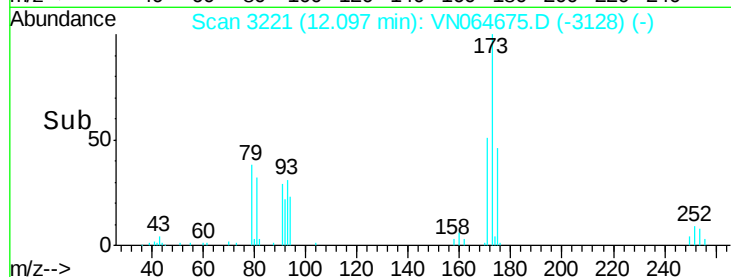
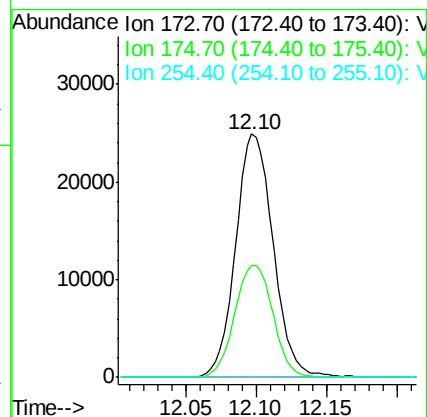
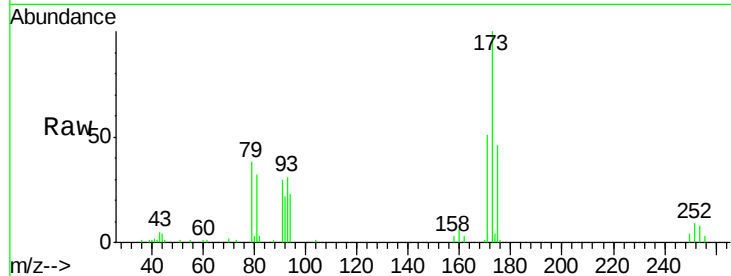
254 0.0 0.0 0.0

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

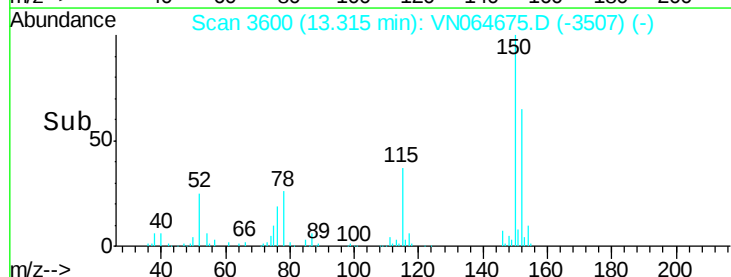
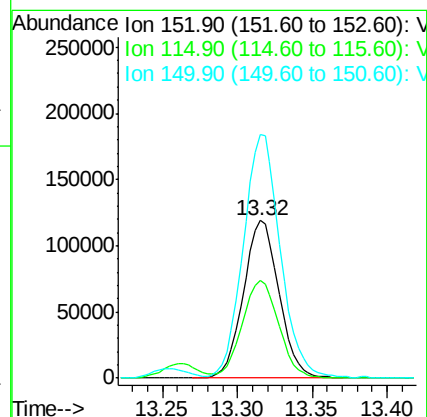
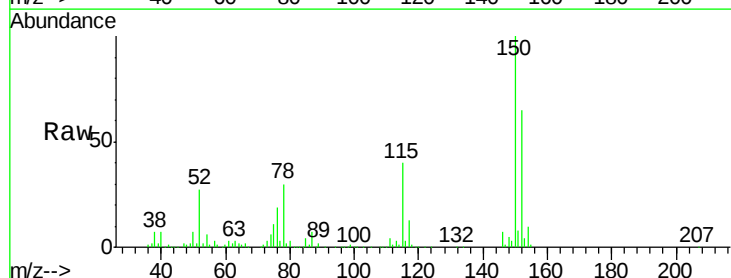
Tgt Ion:152 Resp: 197154

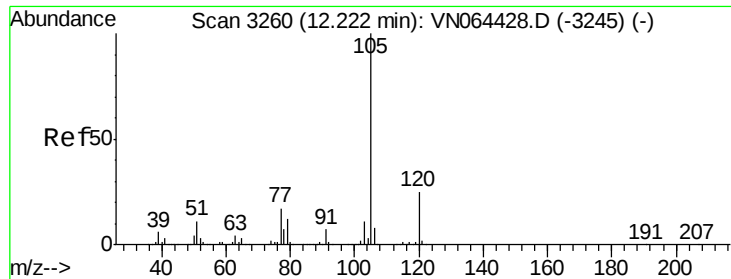
Ion Ratio Lower Upper

152 100

115 63.0 32.0 96.0

150 160.2 0.0 353.8





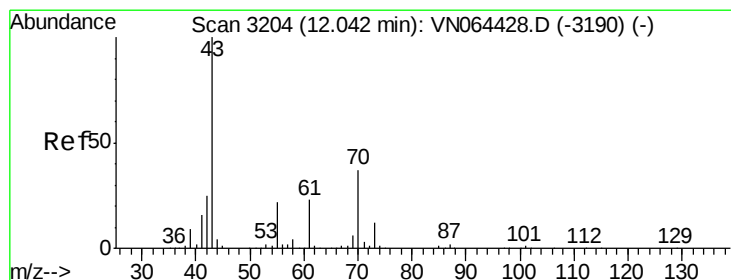
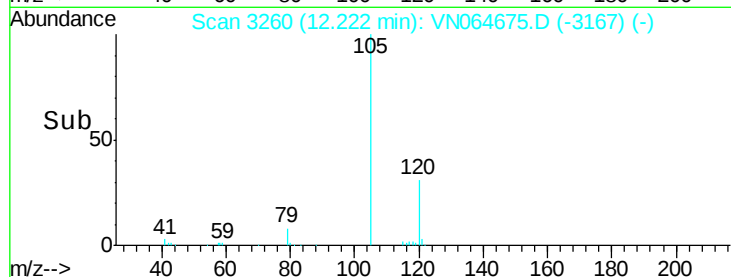
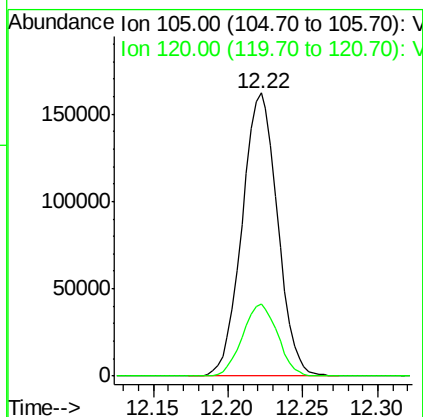
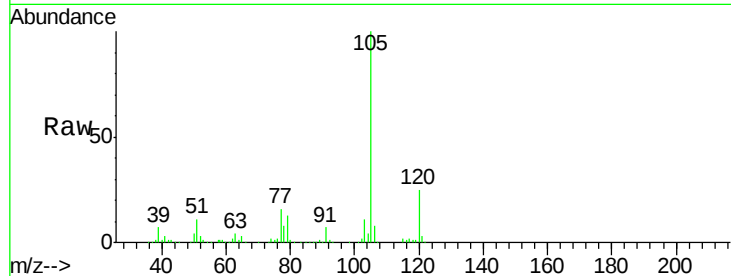
#73
Isopropylbenzene
Concen: 17.051 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3

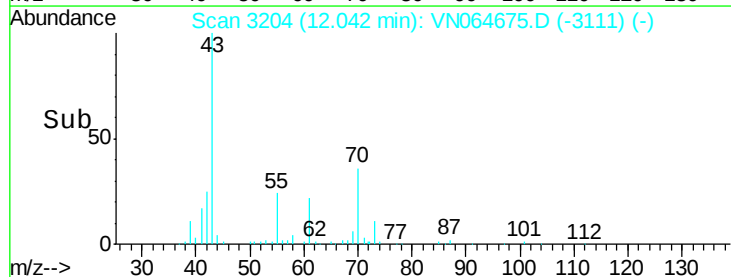
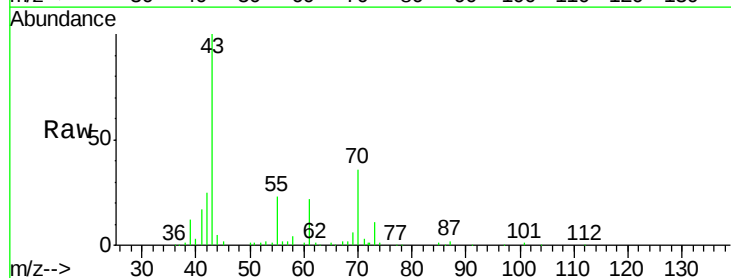
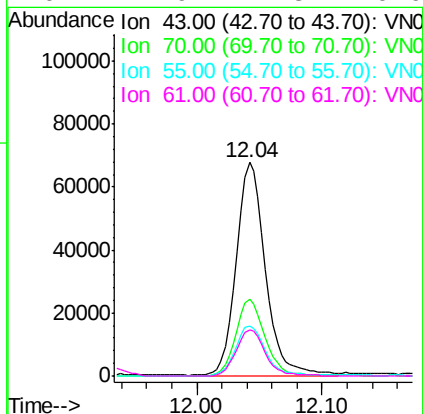
Manual Integrations
APPROVED

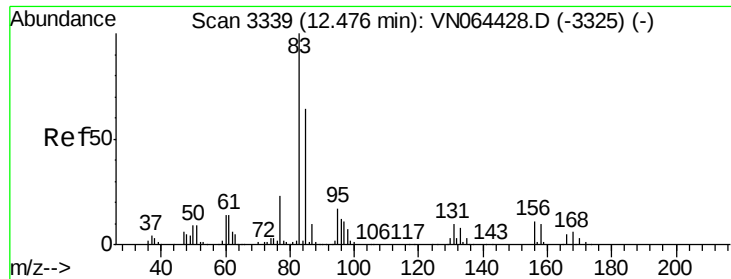
MMDadoda
11/18/2020 5:15:13 PM



#74
N-ethyl acetate
Concen: 15.262 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	29.6	44.4
55	24.6	18.4	27.6
61	21.9	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.136 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

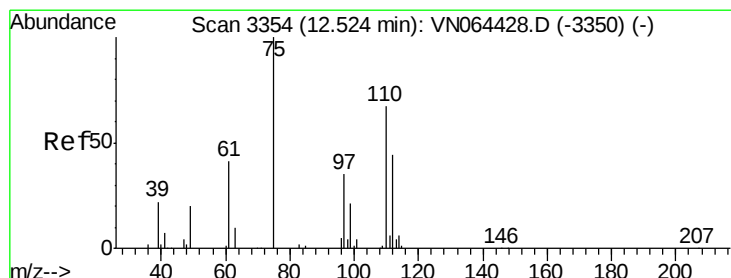
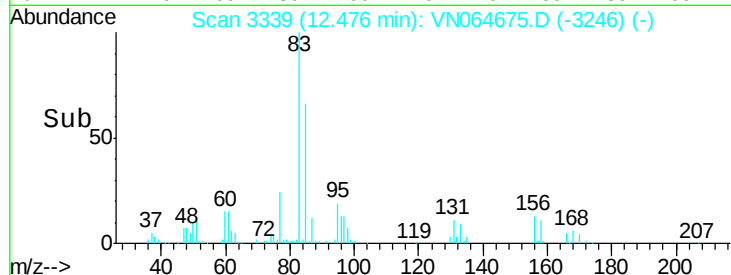
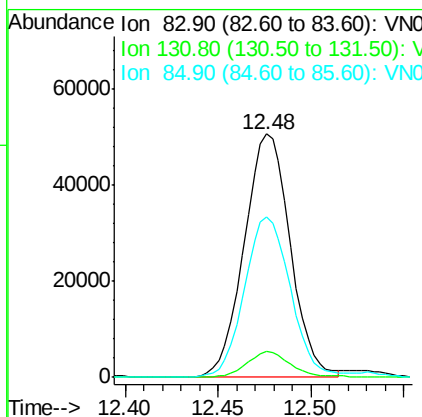
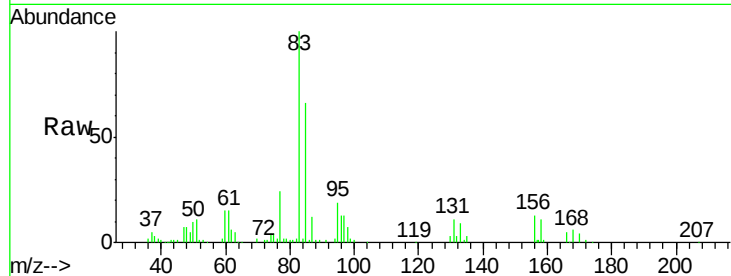
ClientSampleId :

VN1117WBSD01

Tot Ion:	83	Resp:	87290
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	66.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.107 ug/l m

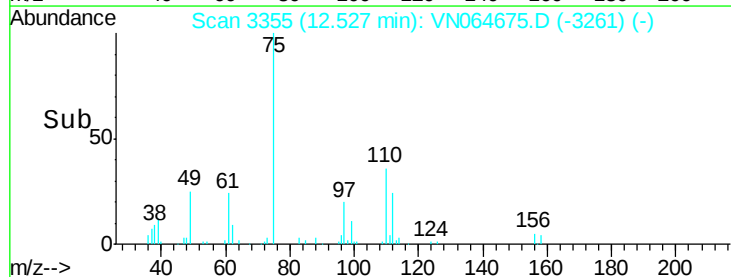
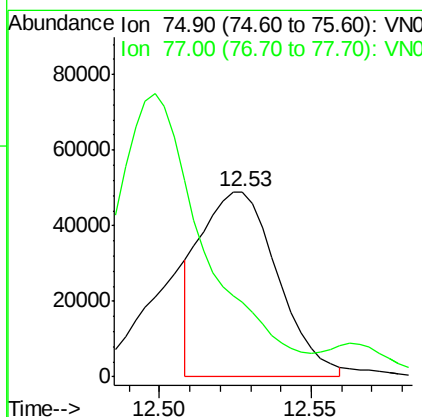
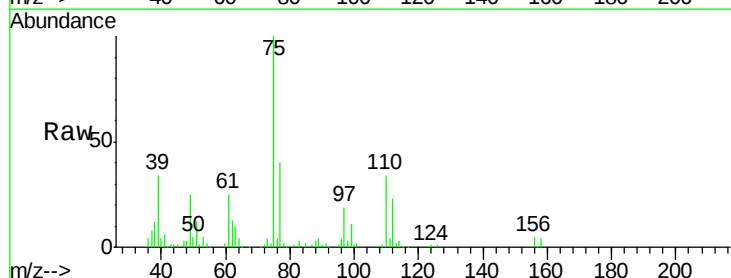
RT: 12.53 min Scan# 3355

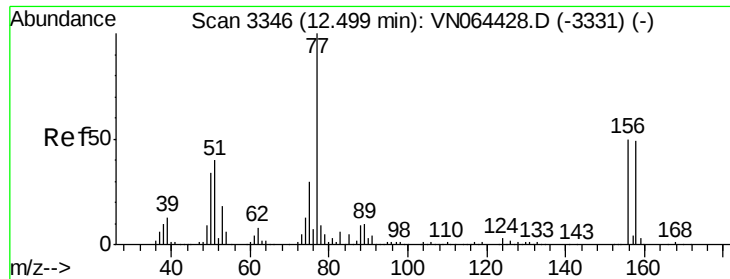
Delta R.T. 0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	75	Resp:	86497
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.096 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

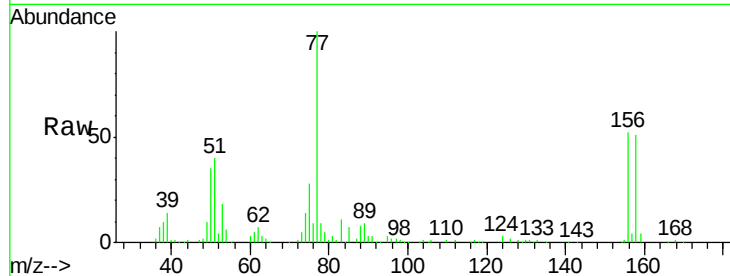
ClientSampleId :

VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.1	119.0	357.0
158	93.8	48.4	145.3

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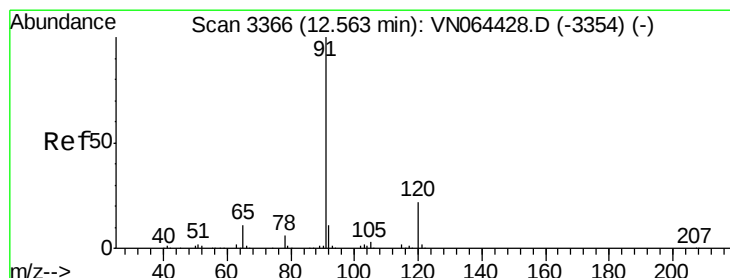
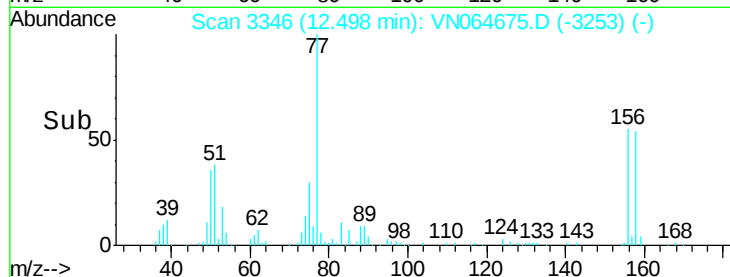
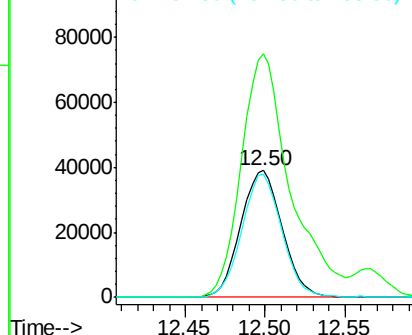
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.550 ug/l

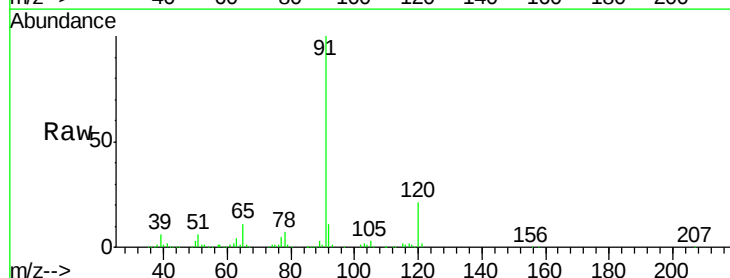
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064675.D

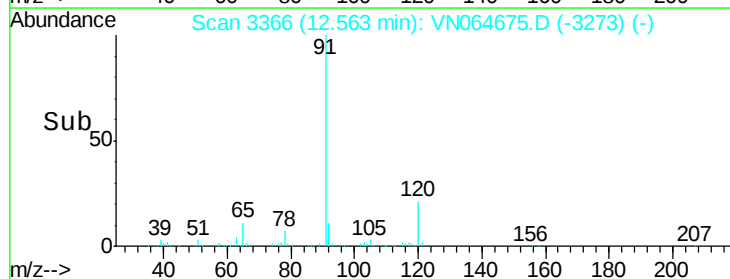
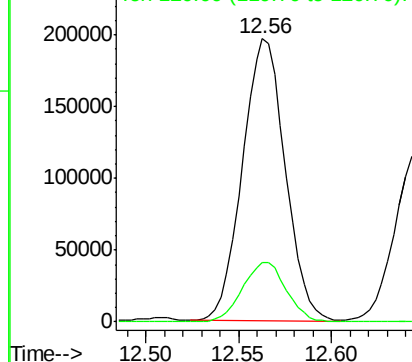
Acq: 17 Nov 2020 13:06

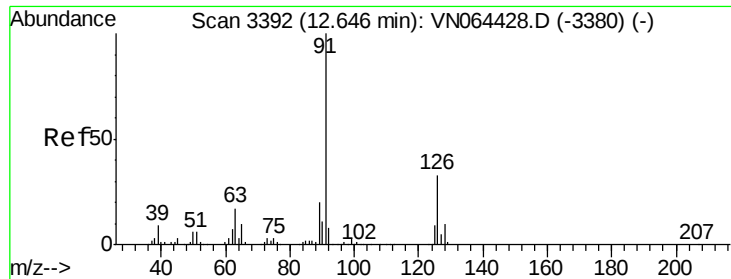
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.520 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion: 91 Resp: 198525

Ion Ratio Lower Upper

91 100

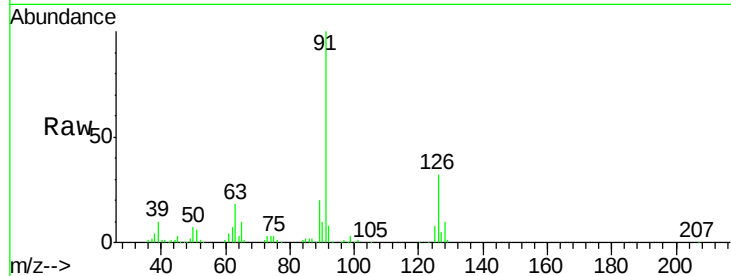
126 32.6 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064428.D (-3380) (-)

200000

150000

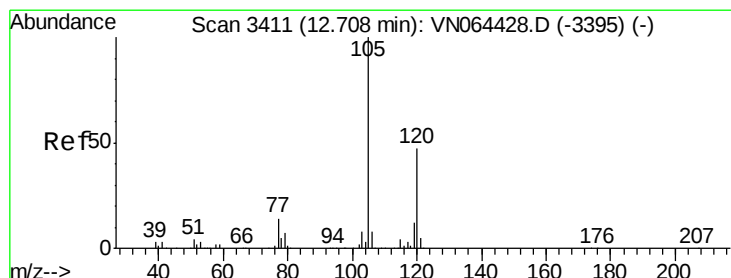
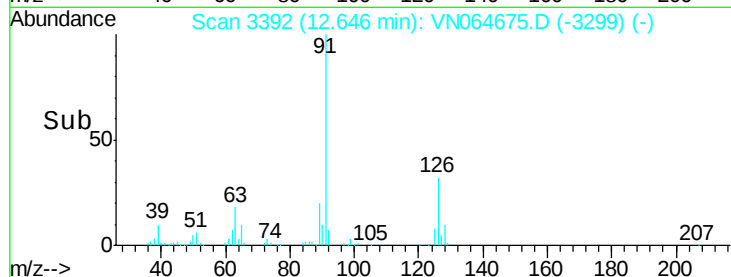
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.918 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064675.D

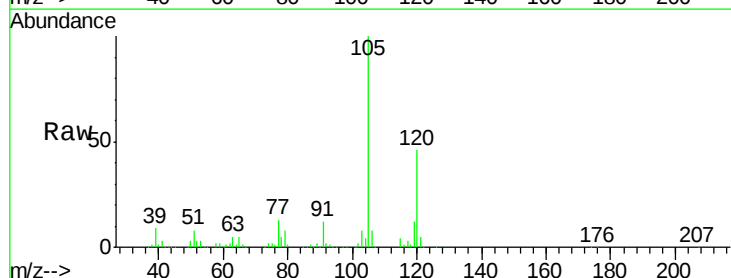
Acq: 17 Nov 2020 13:06

Tgt Ion: 105 Resp: 231638

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)

150000

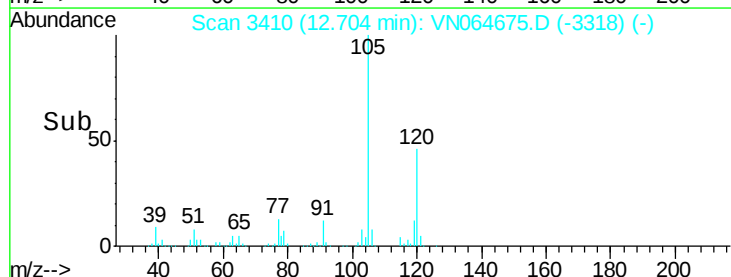
100000

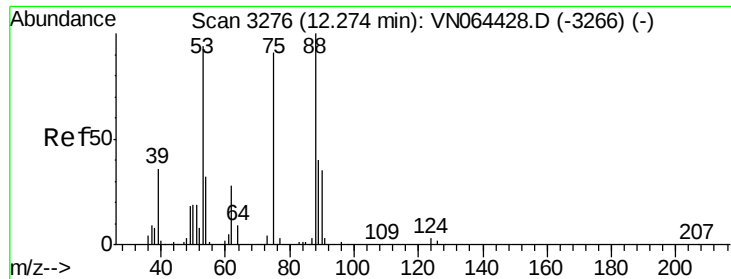
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.672 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

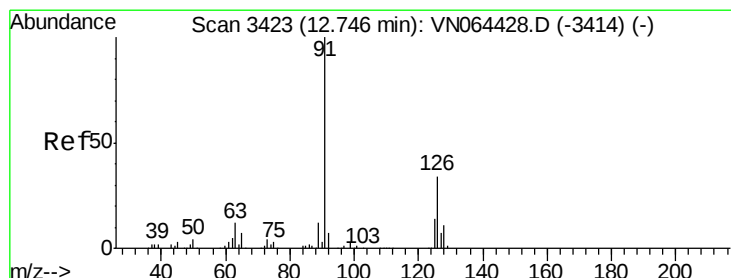
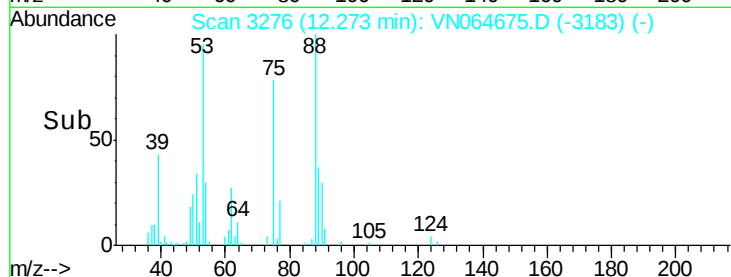
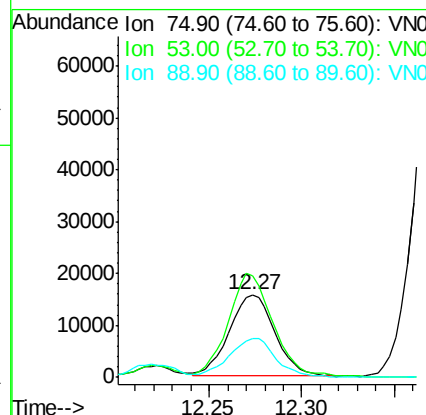
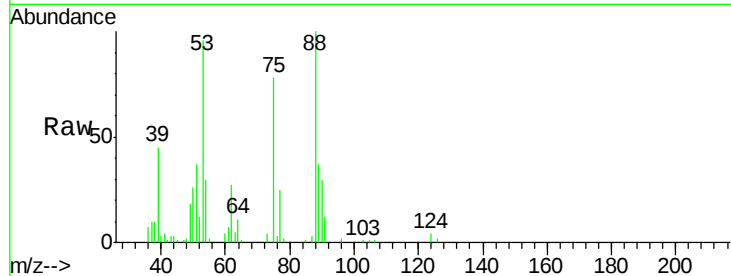
ClientSampleId :

VN1117WBSD01

Tot Ion:	75	Resp:	26813
Ion	Ratio	Lower	Upper
75	100		
53	123.3	84.0	126.0
89	49.4	36.3	54.5

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#82

4-Chlorotoluene

Concen: 17.735 ug/l

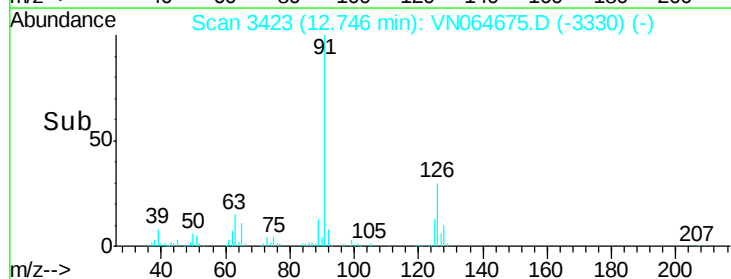
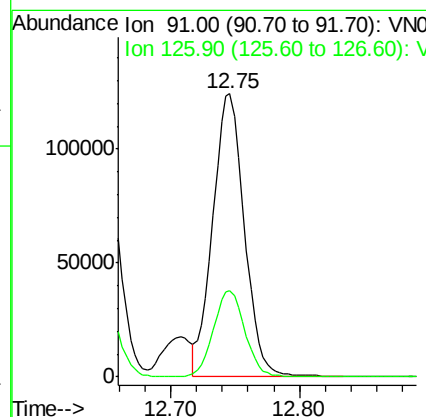
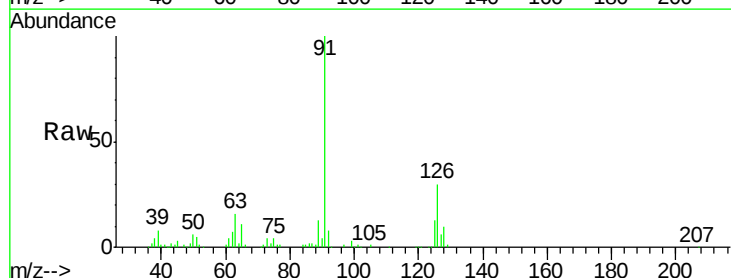
RT: 12.75 min Scan# 3423

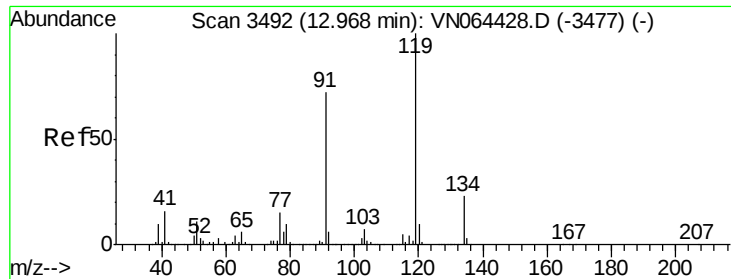
Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Tgt Ion:	91	Resp:	210454
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.4	46.2





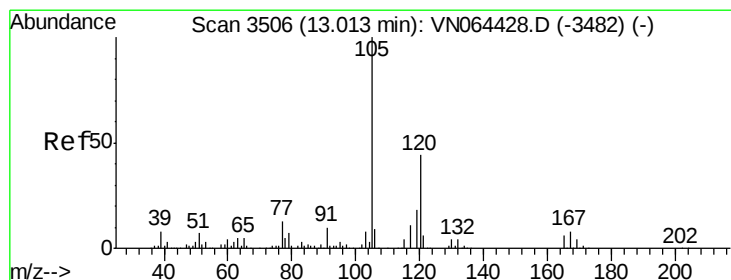
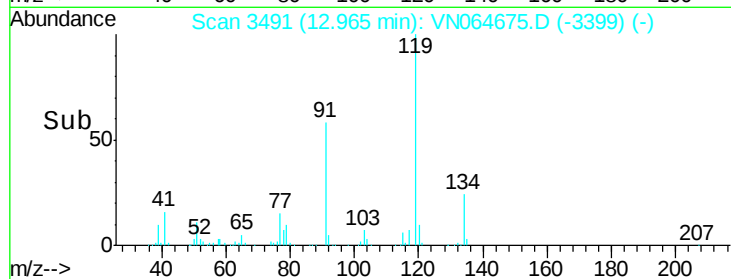
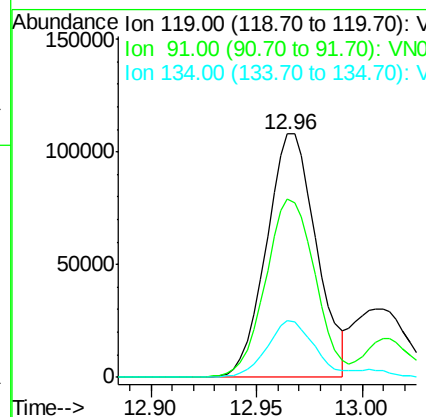
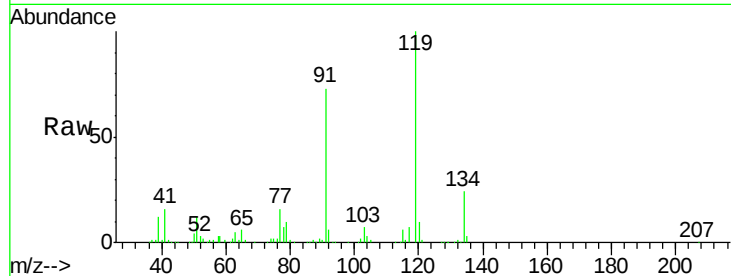
#83
 tert-Butylbenzene
 Concen: 17.642 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	178125		
91	72.7	36.1	108.3	
134	22.3	11.7	35.1	

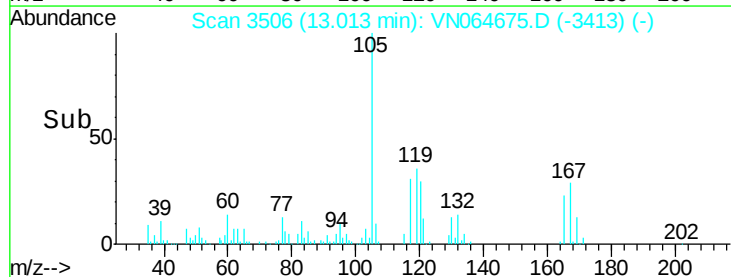
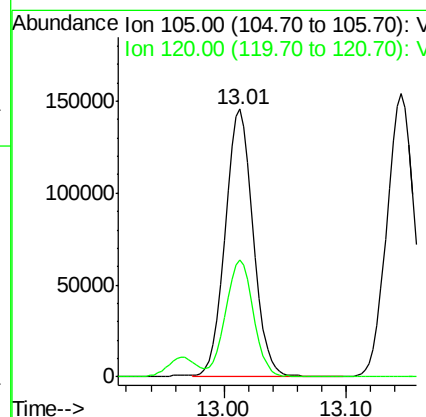
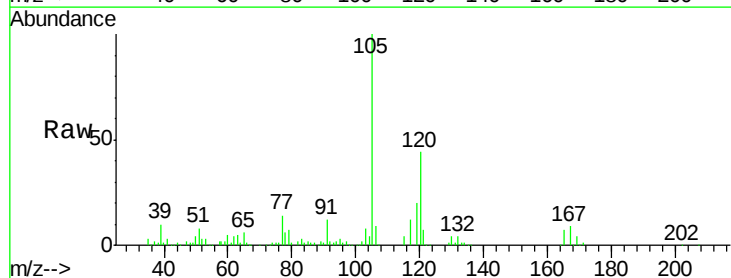
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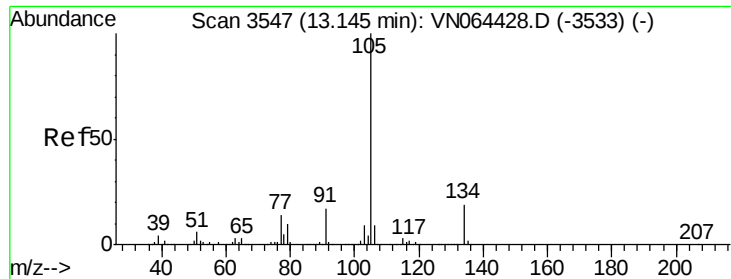
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.000 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233921		
120	43.9	21.9	65.7	





#85

sec-Butylbenzene

Concen: 19.018 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBSD01

Tot Ion:105 Resp: 243182

Ion Ratio Lower Upper

105 100

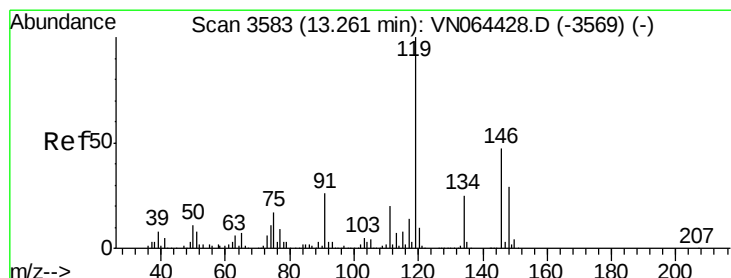
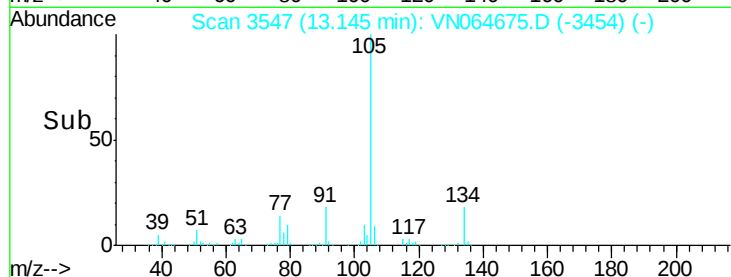
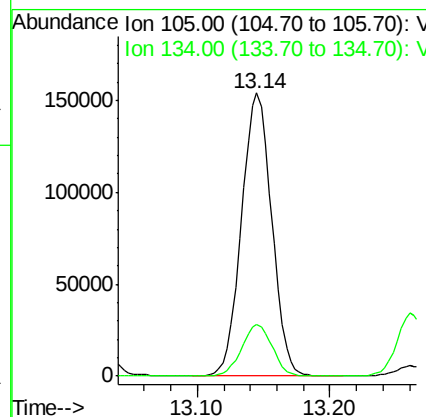
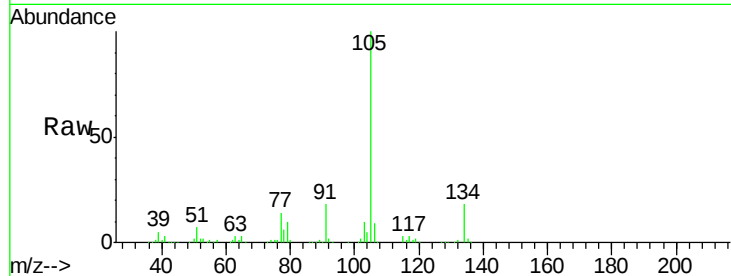
134 18.5 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 18.742 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064675.D

Acq: 17 Nov 2020 13:06

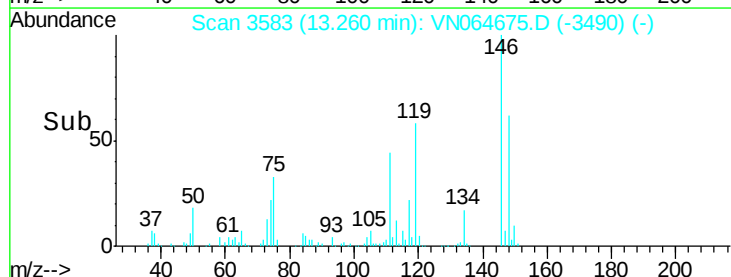
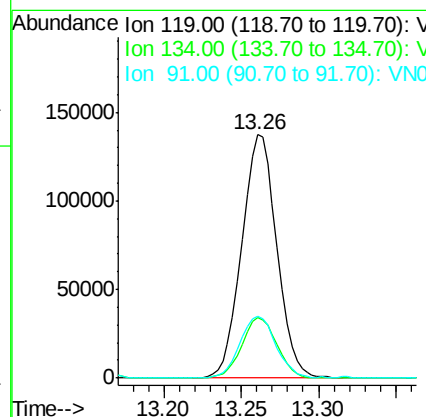
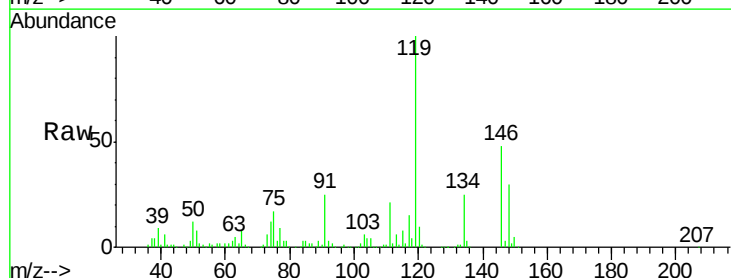
Tgt Ion:119 Resp: 215569

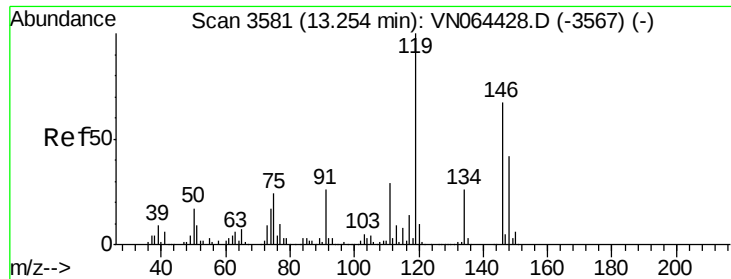
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 26.2 12.8 38.3





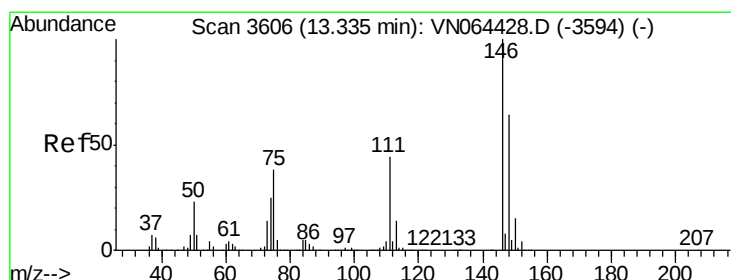
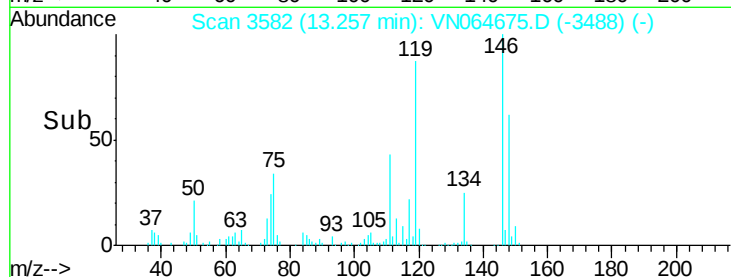
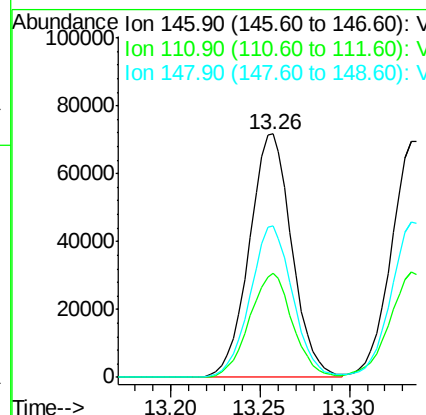
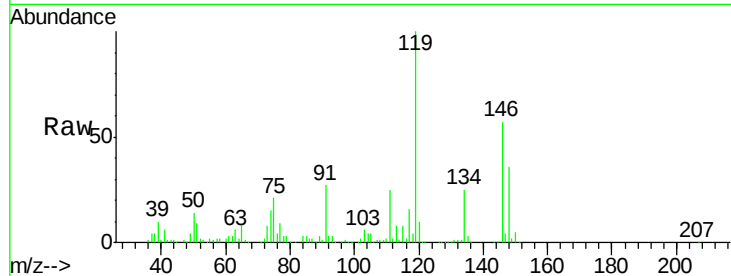
#87
 1,3-Dichlorobenzene
 Concen: 18.097 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119683		
111	43.0	22.1	66.1	
148	62.3	31.7	95.1	

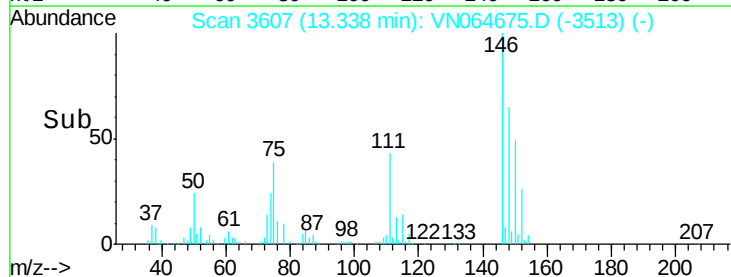
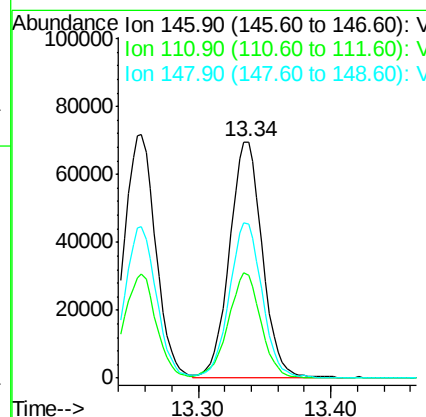
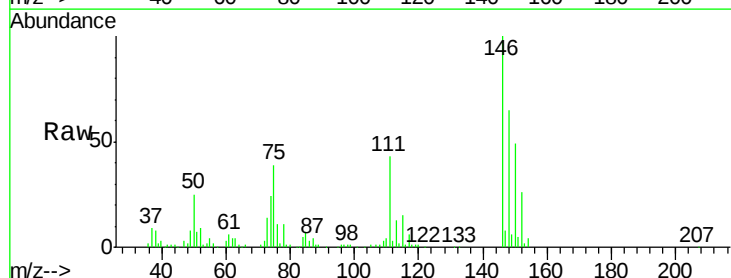
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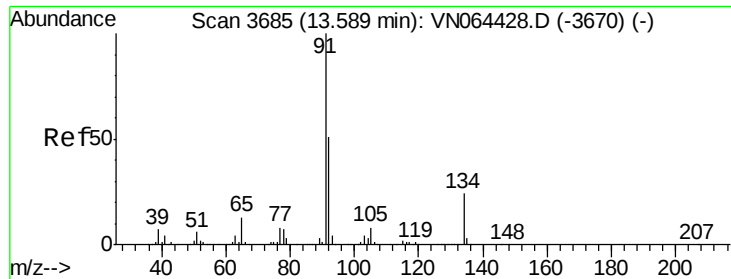
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#88
 1,4-Dichlorobenzene
 Concen: 17.421 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119062		
111	44.1	21.8	65.3	
148	65.3	32.4	97.2	





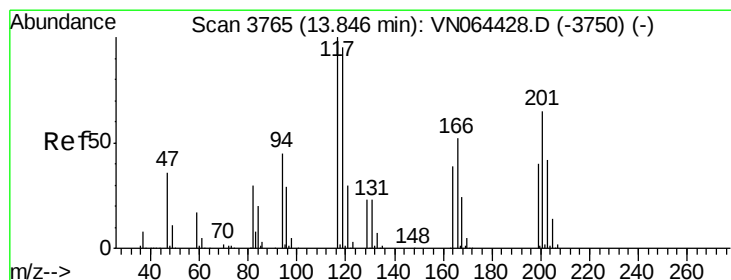
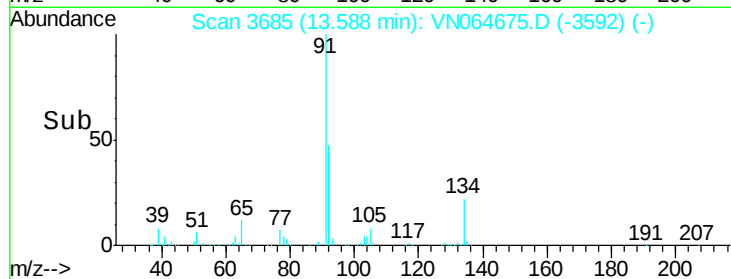
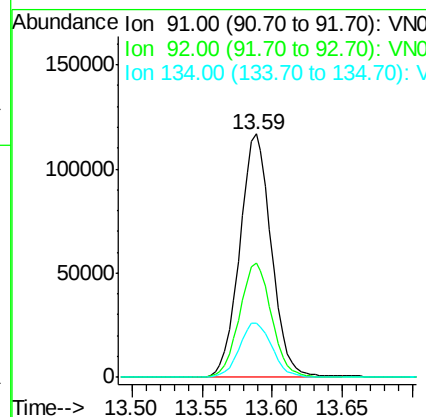
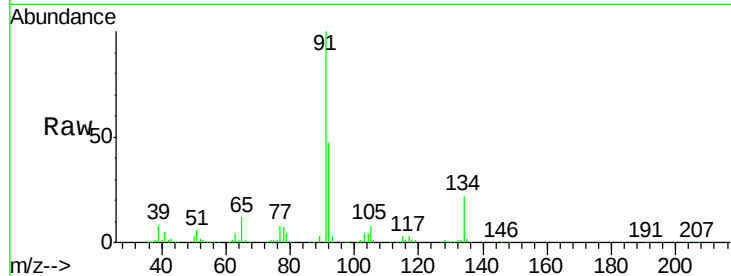
#89
n-Butylbenzene
Concen: 18.635 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.5	25.3	75.9
134	23.1	11.8	35.4

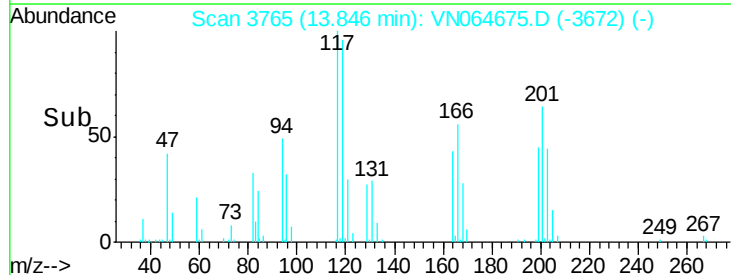
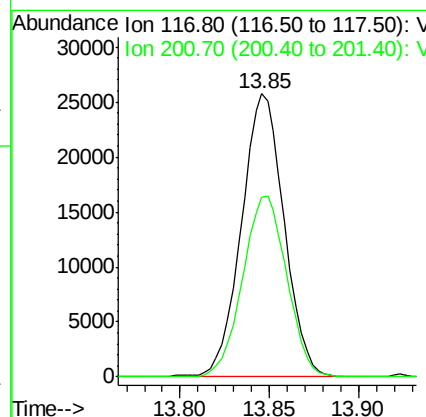
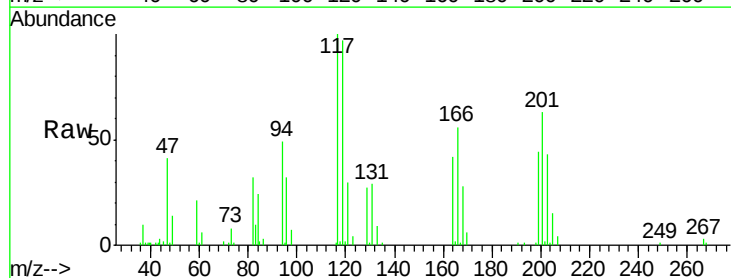
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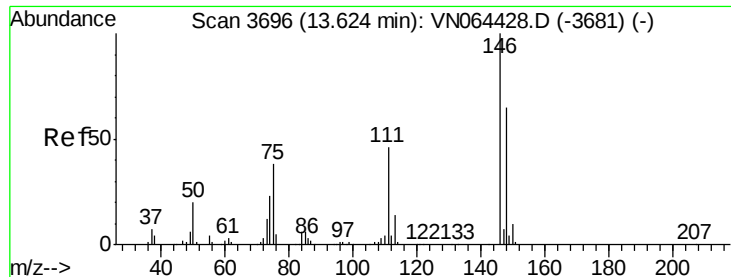
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#90
Hexachloroethane
Concen: 19.373 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	32.5	97.5





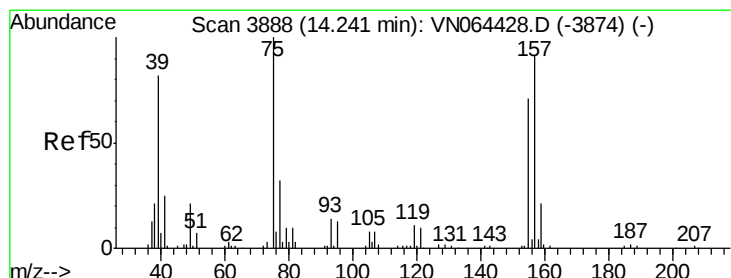
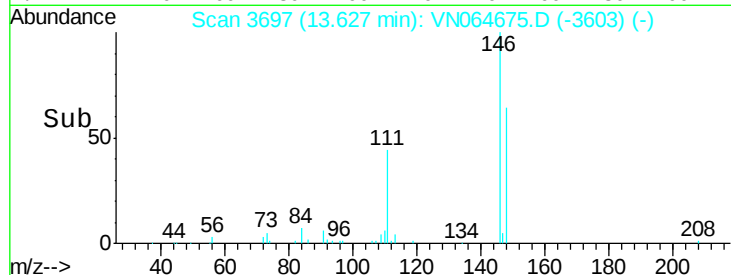
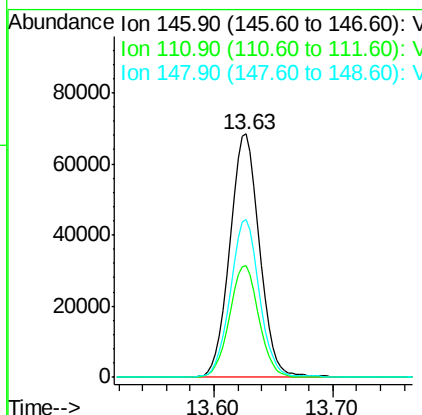
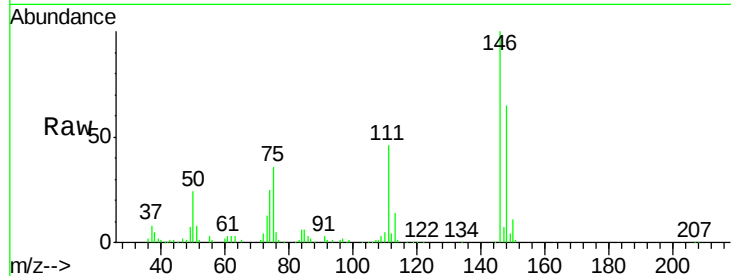
#91
 1,2-Dichlorobenzene
 Concen: 18.626 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.7
148	63.4	32.0	96.2

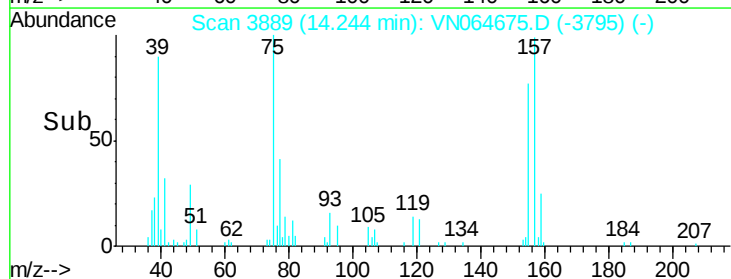
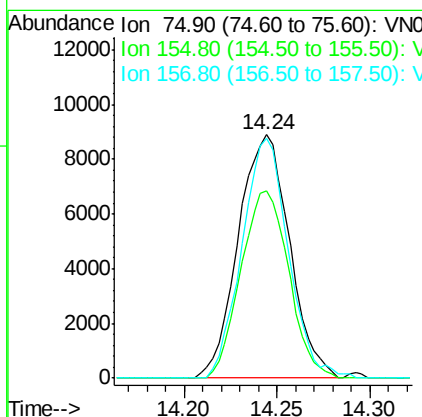
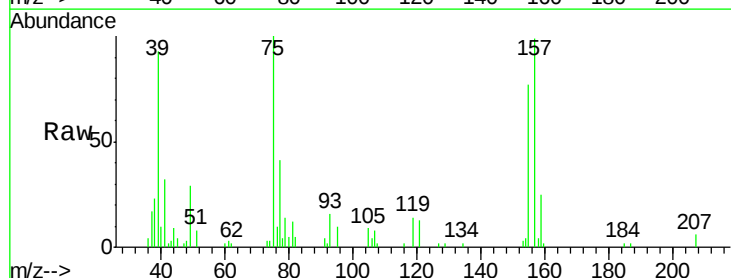
Manual Integrations
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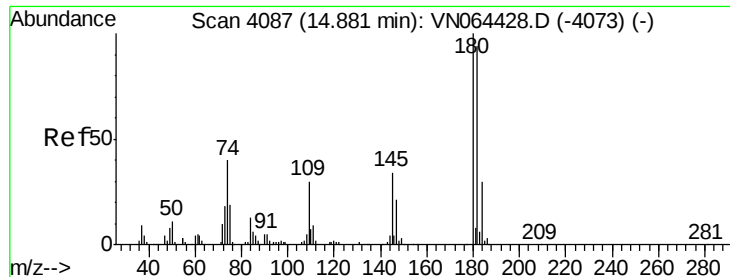
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.799 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	34.6	103.9
157	89.4	43.0	128.8





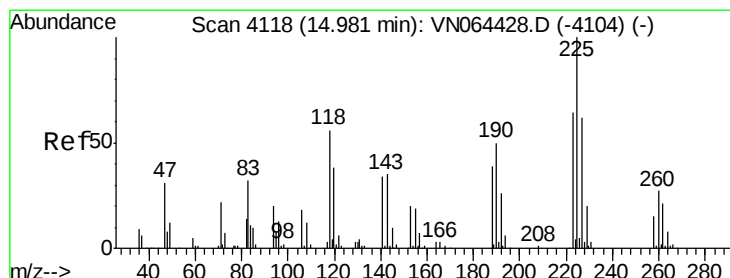
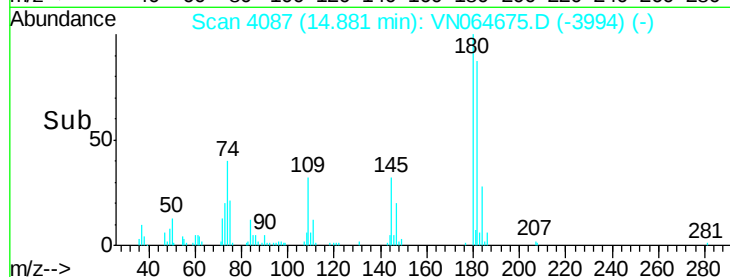
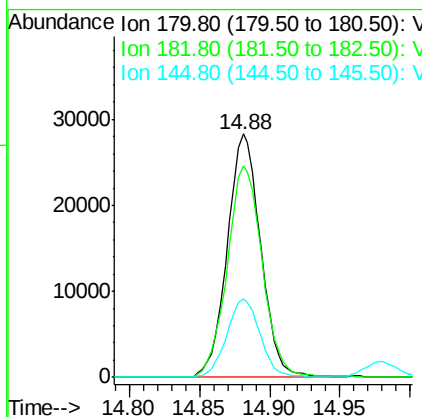
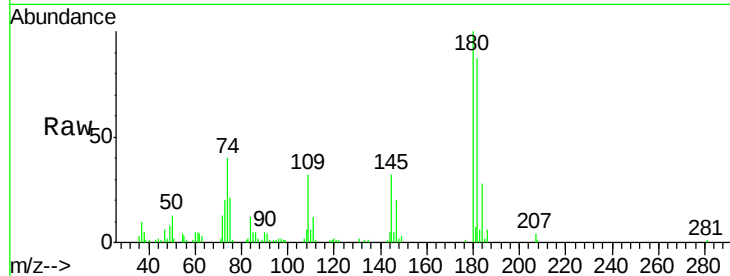
#93
 1,2,4-Trichlorobenzene
 Concen: 16.711 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46941		
182	90.9	47.3	142.0	
145	32.0	16.7	50.1	

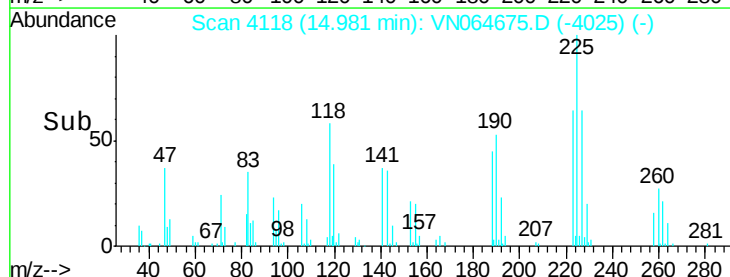
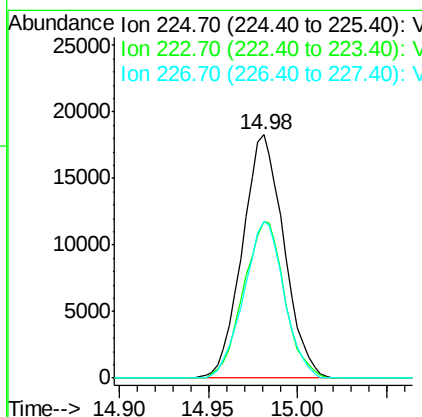
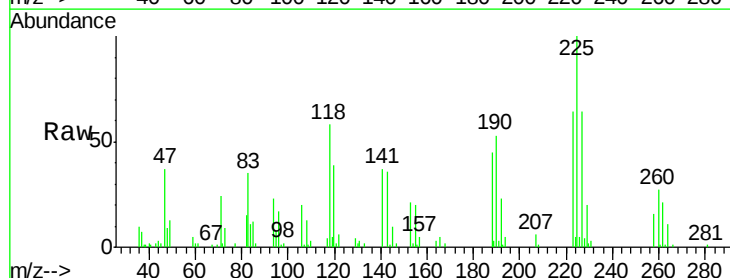
Manual Integrations
 APPROVED

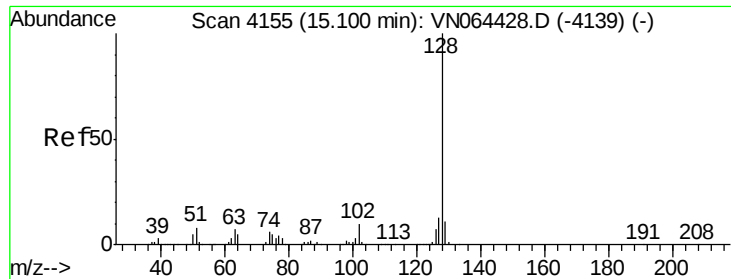
MMDadoda
 11/18/2020 5:15:13 PM



#94
 Hexachlorobutadiene
 Concen: 23.047 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064675.D
 Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29851		
223	63.4	31.8	95.4	
227	62.2	31.8	95.4	





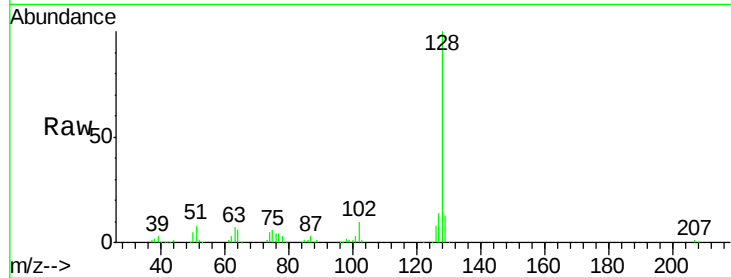
#95
Naphthalene
Concen: 14.861 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/18/2020 5:15:13 PM

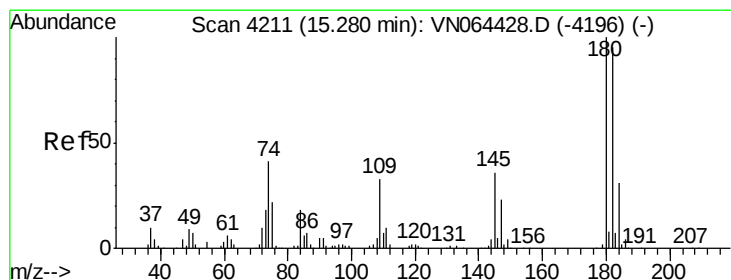
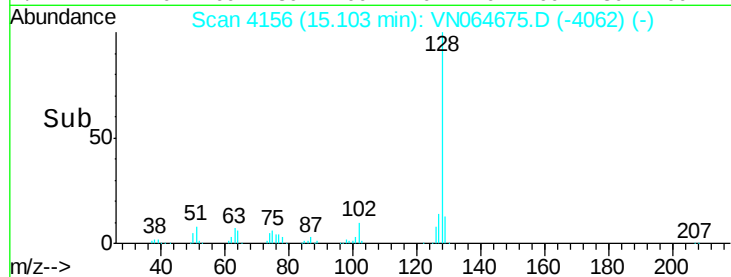
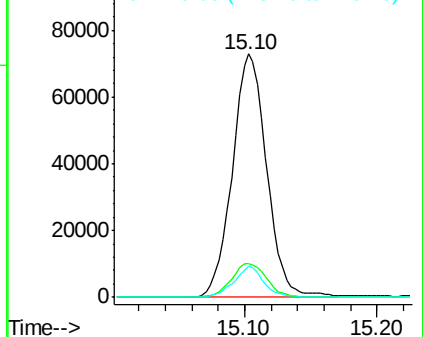


Abundance

Ion 128.00 (127.70 to 128.70): V

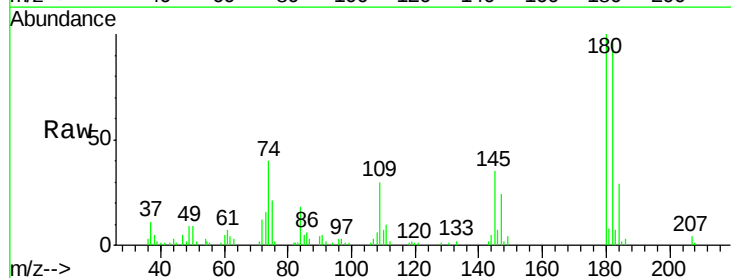
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.779 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064675.D
Acq: 17 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	34.9	18.3	54.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

