

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064601.D
 Acq On : 13 Nov 2020 00:31
 Operator : JC/MD
 Sample : VN1112WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2020 11:43:10 AM

Quant Time: Nov 13 04:12:42 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	7.63	168	274774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	519360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	475946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	253382	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.55	113	173121	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.06	98	638250	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.38	95	230455	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	65982	18.447	ug/l	93
3) Chloromethane	2.04	50	79924	18.396	ug/l	100
4) Vinyl Chloride	2.17	62	88818	19.908	ug/l	98
5) Bromomethane	2.54	94	60256	21.141	ug/l	99
6) Chloroethane	2.68	64	55900	19.570	ug/l	96
7) Trichlorofluoromethane	2.99	101	138480	21.079	ug/l	99
8) Diethyl Ether	3.37	74	49394	21.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	60844	19.503	ug/l	98
10) Methyl Iodide	3.91	142	70711	19.507	ug/l	100
11) Tert butyl alcohol	4.75	59	54673	103.584	ug/l	97
12) 1,1-Dichloroethene	3.69	96	56279	19.151	ug/l	99
13) Acrolein	3.57	56	22393	68.398	ug/l	89
14) Allyl chloride	4.28	41	102260	17.789	ug/l	100
15) Acrylonitrile	4.94	53	159238	108.363	ug/l	98
16) Acetone	3.78	43	156577	85.884	ug/l	97
17) Carbon Disulfide	4.01	76	156545	17.814	ug/l	99
18) Methyl Acetate	4.28	43	96653	26.966	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	200476	18.955	ug/l	98
20) Methylene Chloride	4.50	84	69189	19.128	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	64920	19.457	ug/l	99
22) Diisopropyl ether	5.91	45	230311	18.874	ug/l	98
23) Vinyl Acetate	5.85	43	883910	89.042	ug/l	98
24) 1,1-Dichloroethane	5.79	63	133107	19.850	ug/l	98
25) 2-Butanone	6.80	43	228680	98.445	ug/l	98
26) 2,2-Dichloropropane	6.78	77	92279	15.202	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	73346	18.971	ug/l	95
28) Bromochloromethane	7.15	49	63057	19.132	ug/l	97
29) Tetrahydrofuran	7.17	42	149861	105.153	ug/l	99
30) Chloroform	7.33	83	143808	20.403	ug/l	95
31) Cyclohexane	7.62	56	96997	16.672	ug/l	# 91
32) 1,1,1-Trichloroethane	7.53	97	125748	20.115	ug/l	99
36) 1,1-Dichloropropene	7.75	75	95103	17.333	ug/l	99
37) Ethyl Acetate	6.88	43	93872	17.363	ug/l	99
38) Carbon Tetrachloride	7.73	117	110815	18.898	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	77163	15.689	ug/l	92
40) Benzene	8.00	78	281820	17.480	ug/l	96
41) Methacrylonitrile	7.13	41	40846	16.792	ug/l	94
42) 1,2-Dichloroethane	8.09	62	120224	18.478	ug/l	99
43) Isopropyl Acetate	8.13	43	162287	18.252	ug/l	98
44) Trichloroethene	8.80	130	72010	17.703	ug/l	99
45) 1,2-Dichloropropane	9.09	63	78021	18.136	ug/l	99
46) Dibromomethane	9.17	93	54905	19.388	ug/l	98
47) Bromodichloromethane	9.37	83	114595	18.820	ug/l	99
48) Methyl methacrylate	9.17	41	81265	18.112	ug/l	99
49) 1,4-Dioxane	9.17	88	24847	420.447	ug/l	96
51) 4-Methyl-2-Pentanone	9.96	43	522326	100.731	ug/l	100
52) Toluene	10.13	92	178024	18.104	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	113108	17.521	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	117922	17.085	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	72420	18.884	ug/l	98
56) Ethyl methacrylate	10.40	69	95059	16.352	ug/l	97
57) 1,3-Dichloropropane	10.68	76	124432	18.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	263969	102.447	ug/l	97
59) 2-Hexanone	10.72	43	378618	92.128	ug/l	97
60) Dibromochloromethane	10.87	129	83910	19.543	ug/l	98
61) 1,2-Dibromoethane	10.98	107	73971	19.016	ug/l	99
64) Tetrachloroethene	10.60	164	65752	17.935	ug/l	98
65) Chlorobenzene	11.41	112	188194	18.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	73936	18.995	ug/l	99
67) Ethyl Benzene	11.48	91	325653	17.547	ug/l	99
68) m/p-Xylenes	11.59	106	234364	34.821	ug/l	97
69) o-Xylene	11.92	106	111867	17.200	ug/l	99
70) Styrene	11.94	104	192161	17.558	ug/l	98
71) Bromoform	12.10	173	52798	18.879	ug/l #	96
73) Isopropylbenzene	12.22	105	293338	17.426	ug/l	100
74) N-amyl acetate	12.05	43	129103	16.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	102999	19.921	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	100458m	19.578	ug/l	
77) Bromobenzene	12.50	156	73562	17.900	ug/l	98
78) n-propylbenzene	12.57	91	337928	17.609	ug/l	99
79) 2-Chlorotoluene	12.65	91	218863	17.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	250887	18.067	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	31699	17.249	ug/l	93
82) 4-Chlorotoluene	12.75	91	225831	17.717	ug/l	97
83) tert-Butylbenzene	12.97	119	190389	17.554	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	247409	17.723	ug/l	100
85) sec-Butylbenzene	13.15	105	253697	18.470	ug/l	100
86) p-Isopropyltoluene	13.26	119	226943	18.368	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	129117	18.175	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	131708	17.940	ug/l	99
89) n-Butylbenzene	13.59	91	179803	16.926	ug/l	98
90) Hexachloroethane	13.85	117	47680	20.005	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	129701	18.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23690	23.014	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52420	17.267	ug/l	100
94) Hexachlorobutadiene	14.98	225	29152	20.953	ug/l	98
95) Naphthalene	15.10	128	167248	16.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	54575	18.454	ug/l	99

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

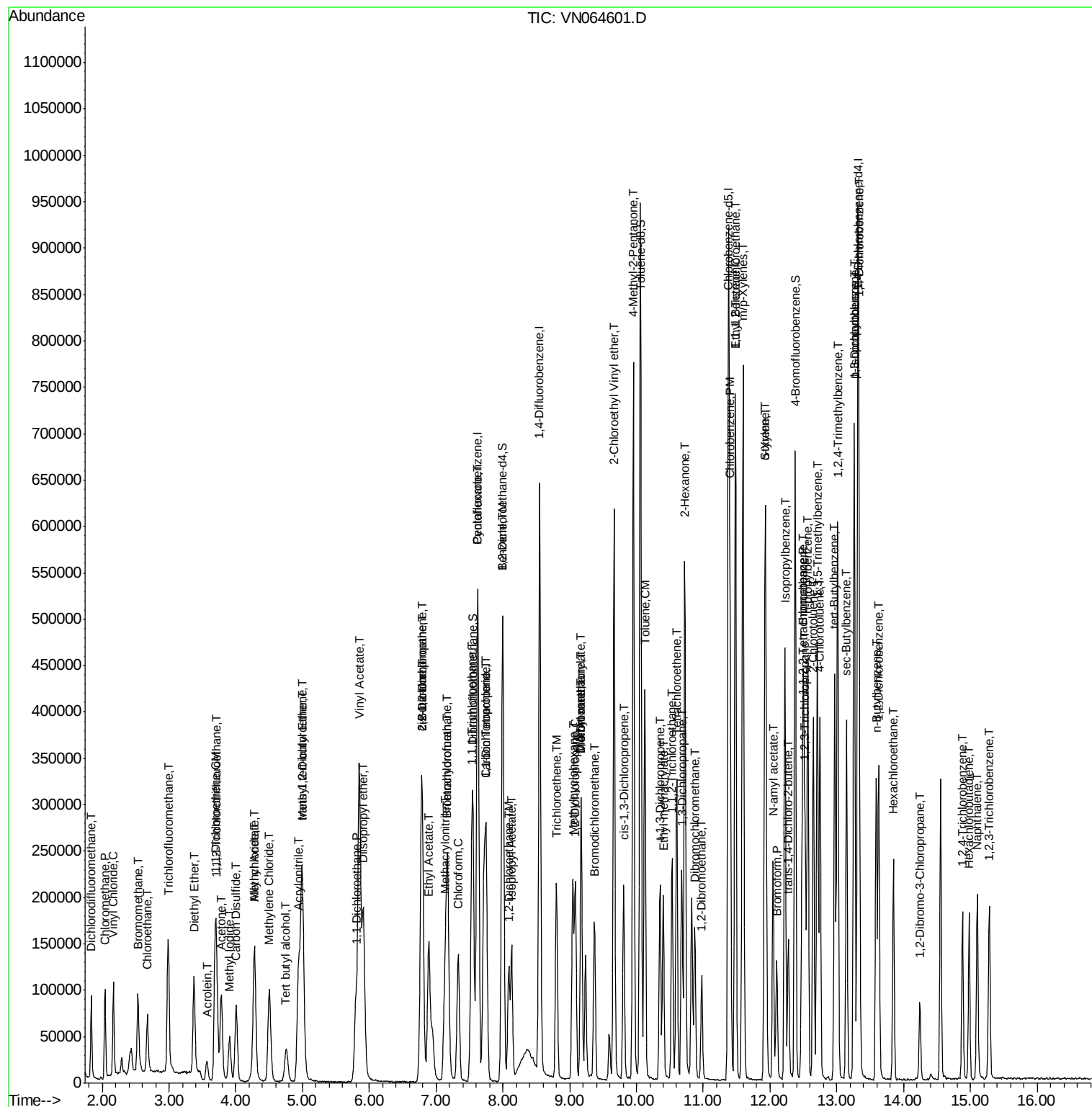
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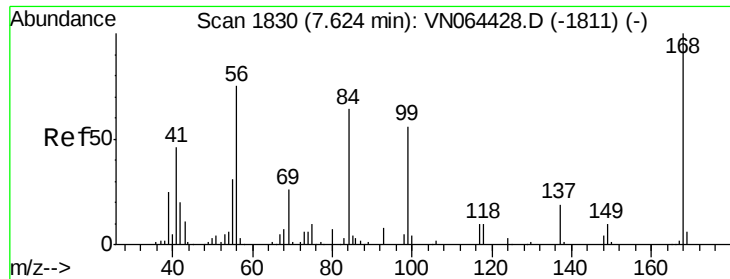
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion:168 Resp: 274774

Ion Ratio Lower Upper

168 100

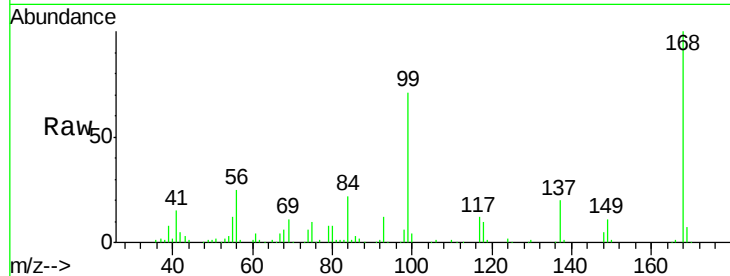
99 70.5 53.4 80.2

Manual Integrations

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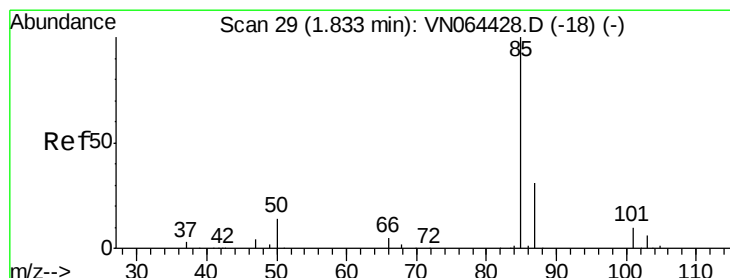
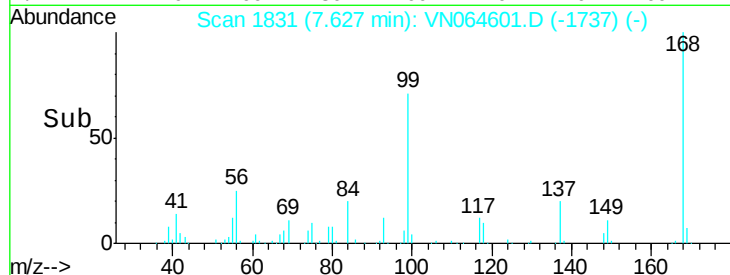
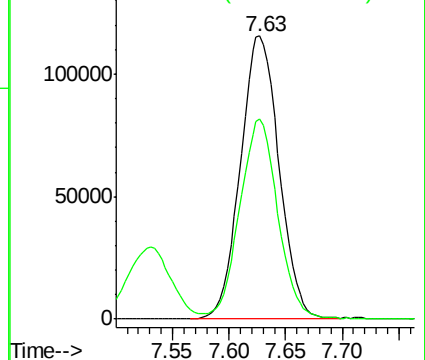
MMDadoda

11/13/2020 11:43:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.447 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064601.D

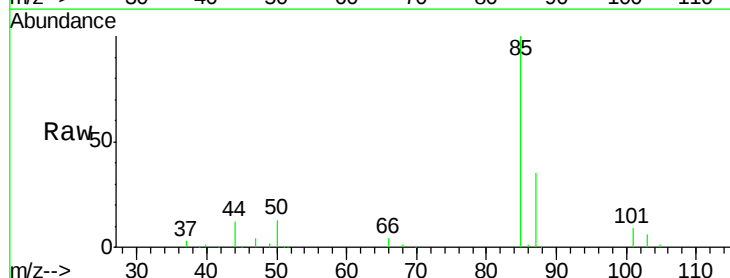
Acq: 13 Nov 2020 00:31

Tgt Ion: 85 Resp: 65982

Ion Ratio Lower Upper

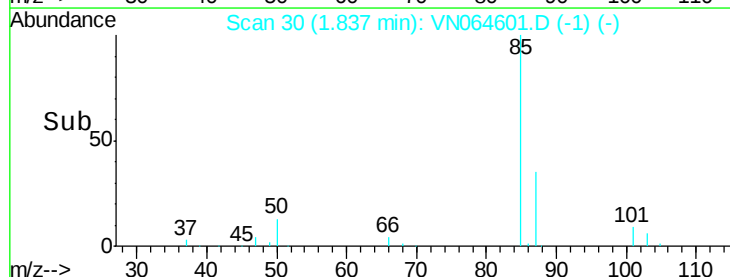
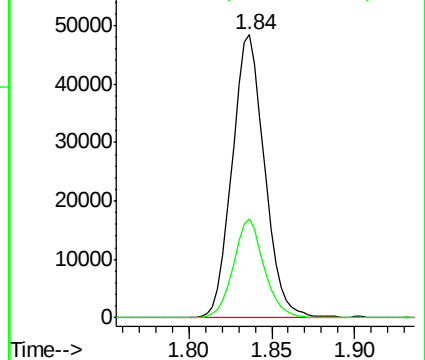
85 100

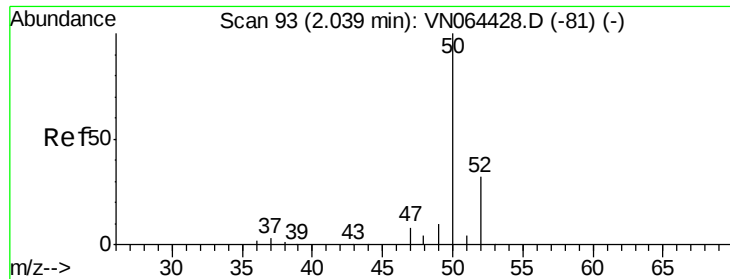
87 35.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.396 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion: 50 Resp: 79924

Ion Ratio Lower Upper

50 100

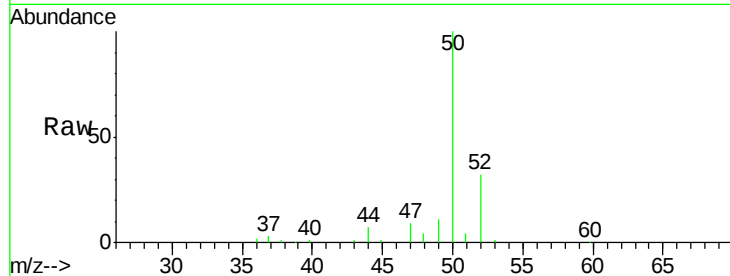
52 31.8 25.3 37.9

Manual Integrations

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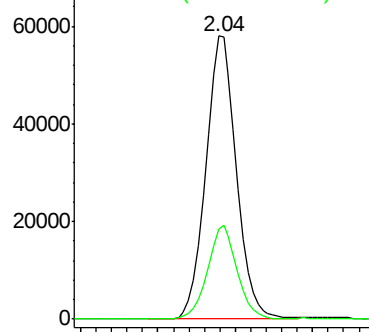
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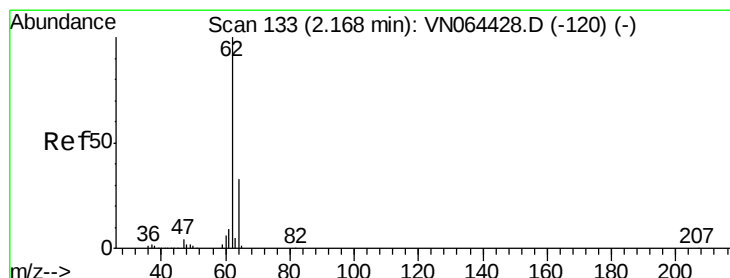
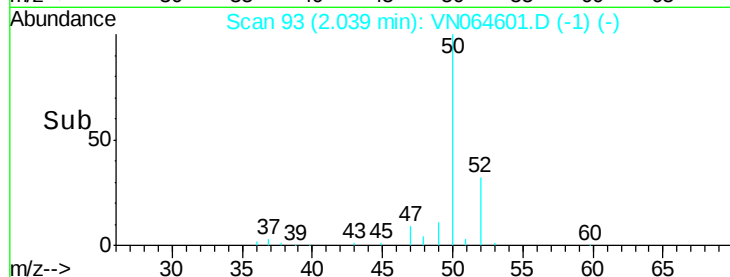


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.908 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064601.D

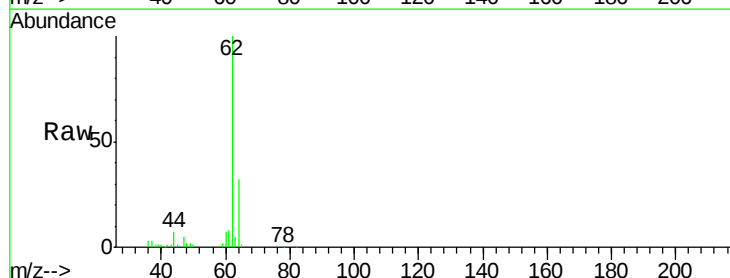
Acq: 13 Nov 2020 00:31

Tgt Ion: 62 Resp: 88818

Ion Ratio Lower Upper

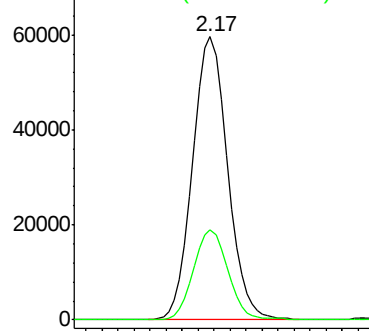
62 100

64 31.6 26.3 39.5

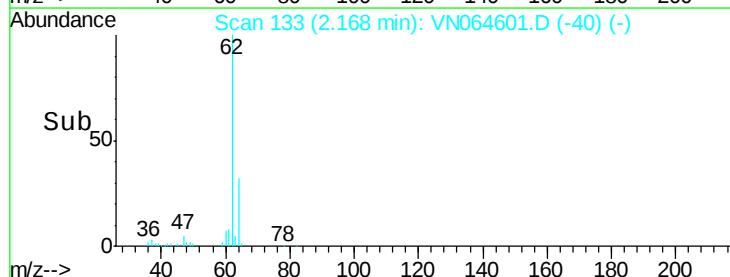


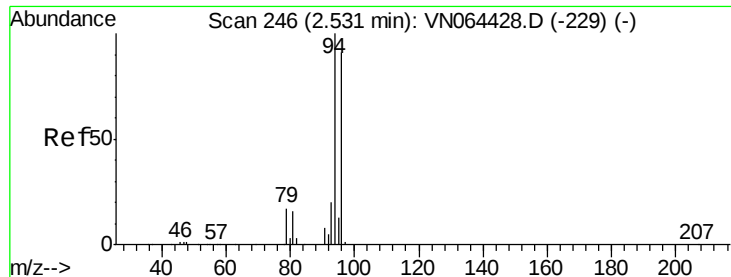
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 21.141 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064601.D

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Tot Ion: 94 Resp: 60256

Ion Ratio Lower Upper

94 100

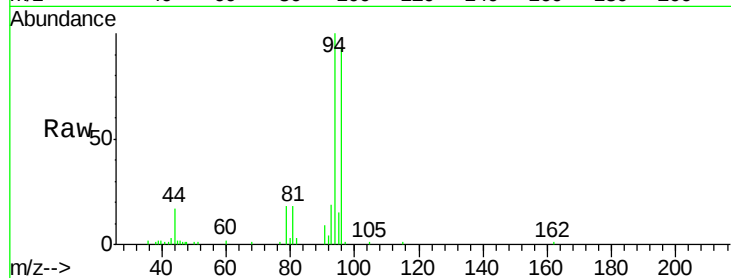
96 92.6 73.1 109.7

Manual Integrations

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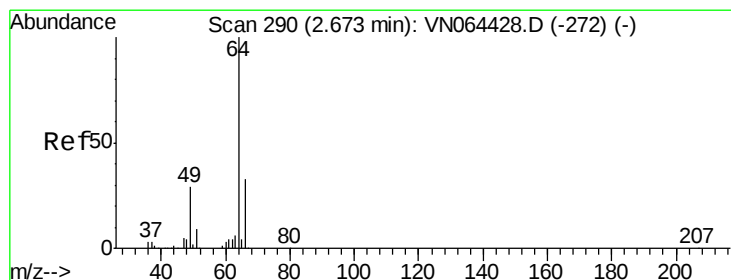
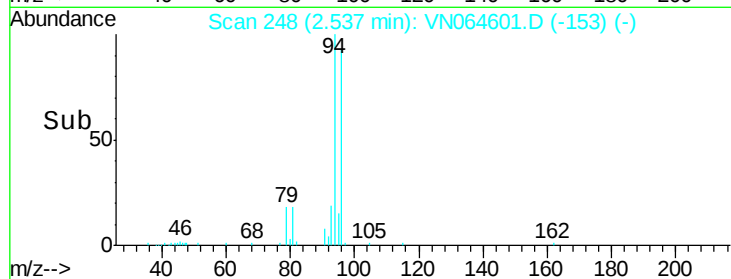
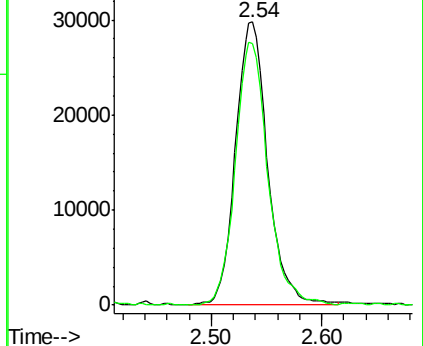
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11/13/2020 11:43:10 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.570 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064601.D

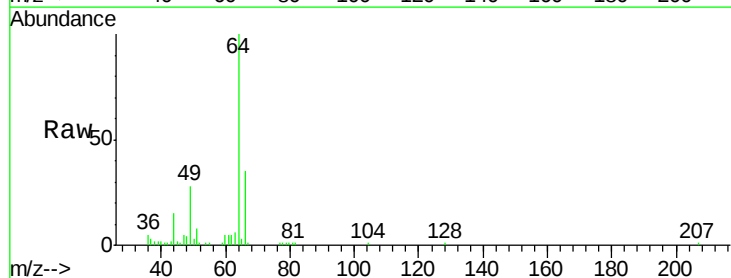
Acq: 13 Nov 2020 00:31

Tgt Ion: 64 Resp: 55900

Ion Ratio Lower Upper

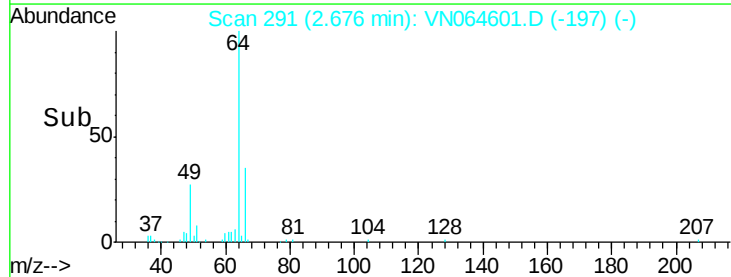
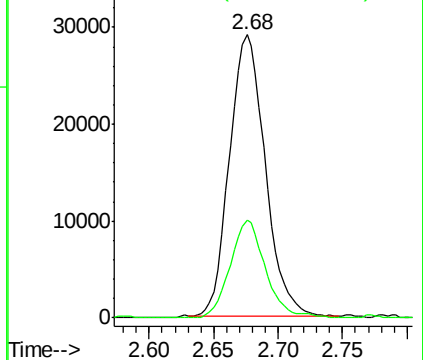
64 100

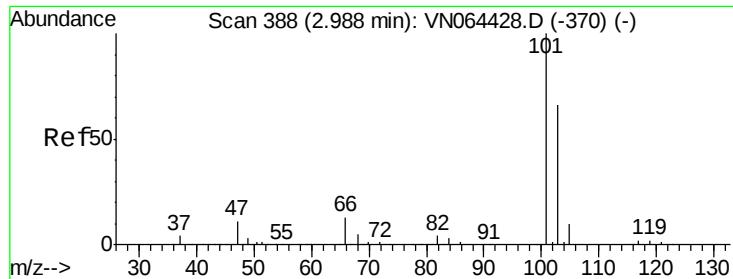
66 35.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

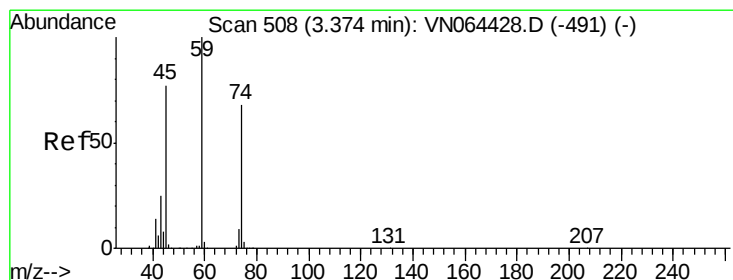
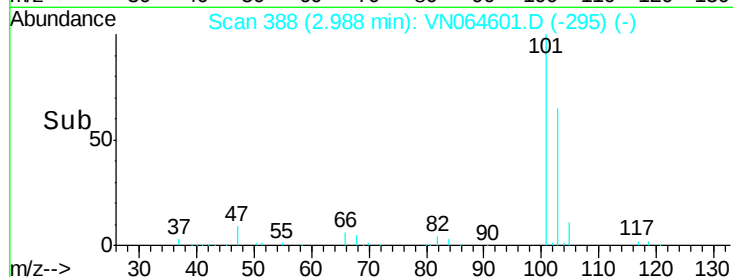
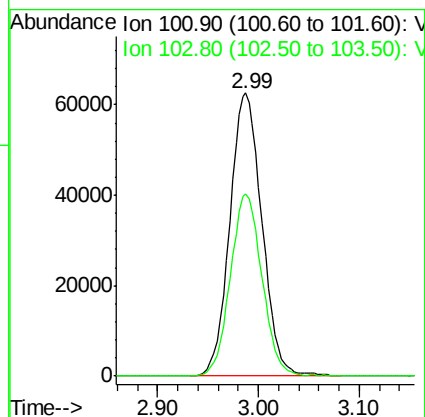
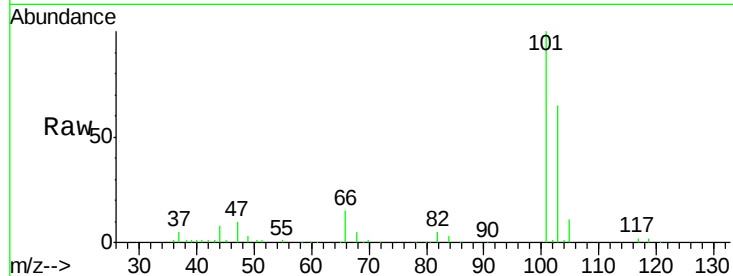
Trichlorofluoromethane
Concen: 21.079 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064601.D
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Instrument :
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Tot Ion:101 Resp: 138480
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6

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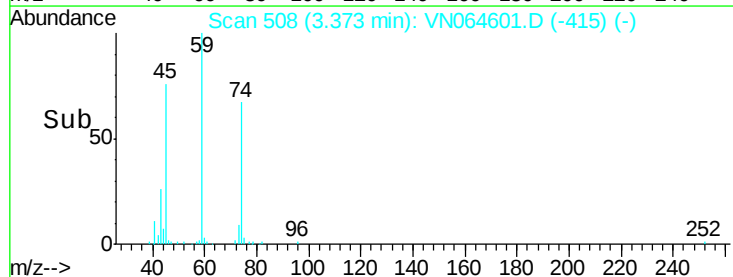
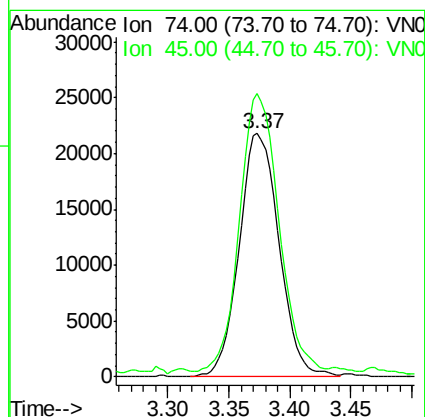
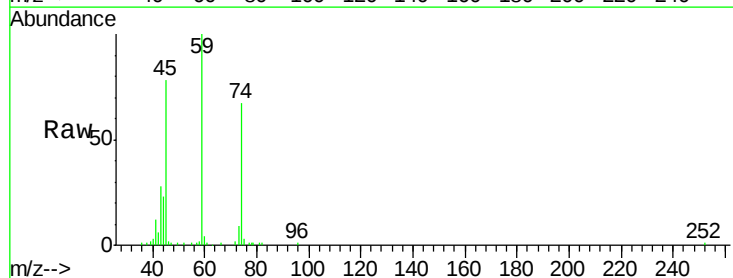
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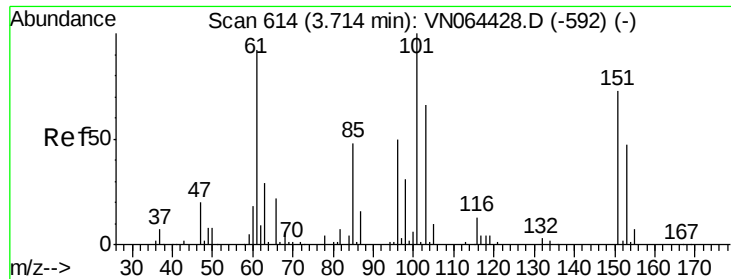


#8

Diethyl Ether
Concen: 21.291 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 74 Resp: 49394
Ion Ratio Lower Upper
74 100
45 111.1 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.503 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

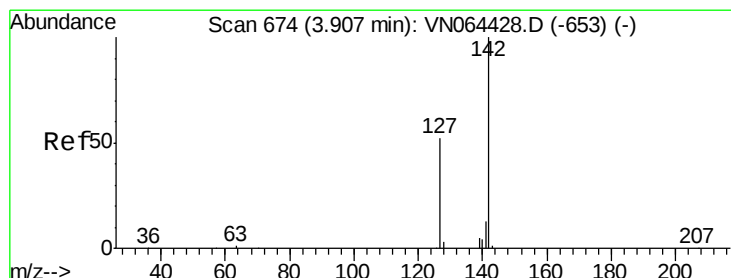
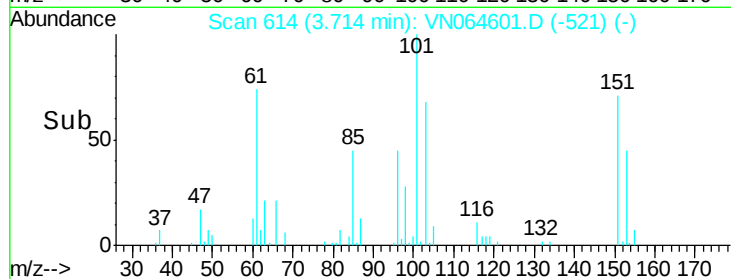
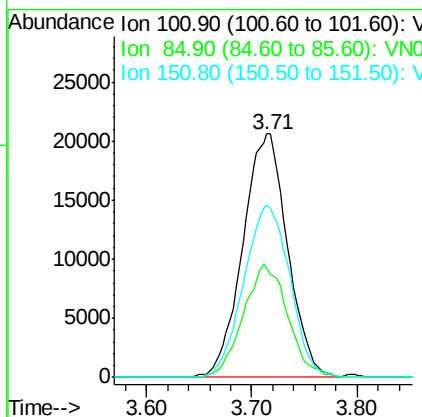
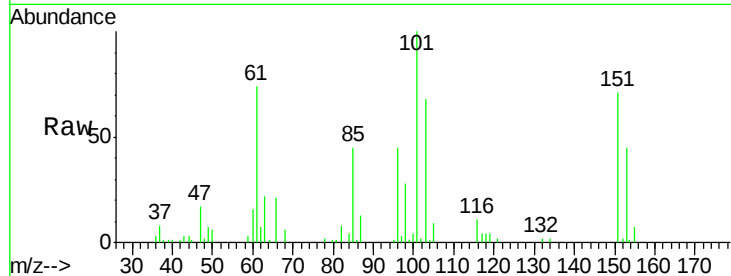
ClientSampleId :

VN1112WBSD02

Tot Ion:	101	Resp:	60844
Ion Ratio	Lower	Upper	
101	100		
85	45.9	38.6	57.8
151	72.7	57.5	86.3

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11/13/2020 11:43:10 AM



#10

Methyl Iodide

Concen: 19.507 ug/l

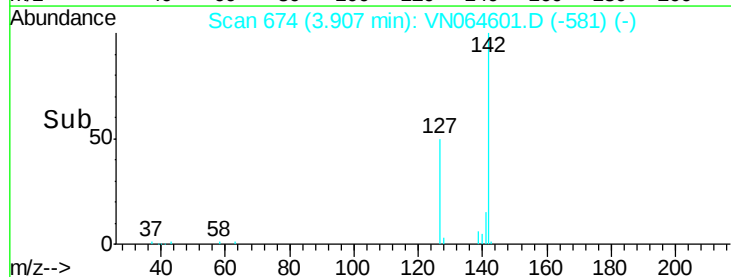
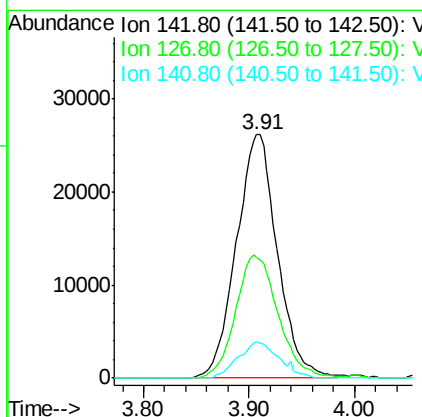
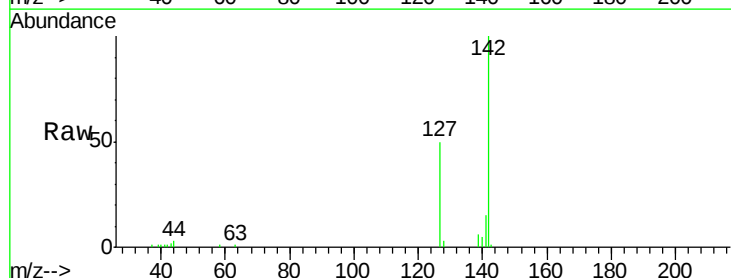
RT: 3.91 min Scan# 674

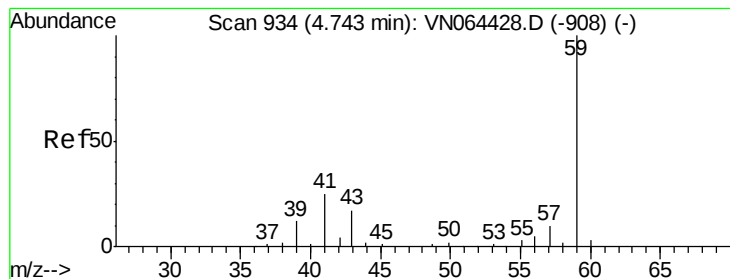
Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion:	142	Resp:	70711
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	14.9	11.4	17.2





#11

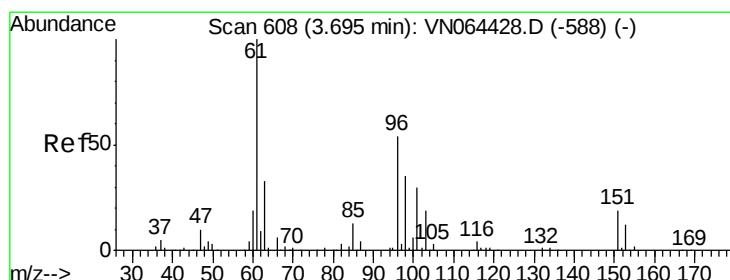
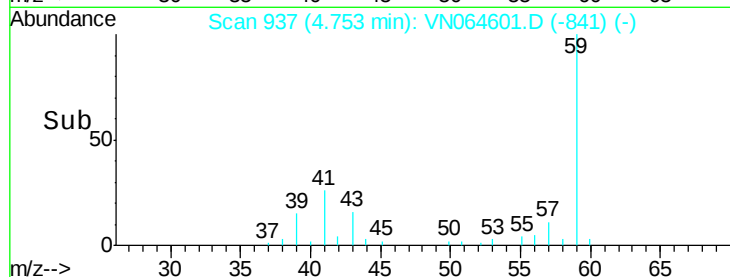
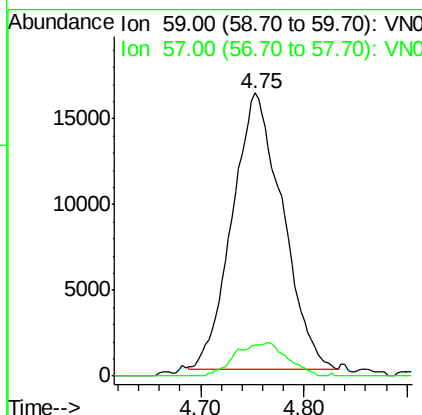
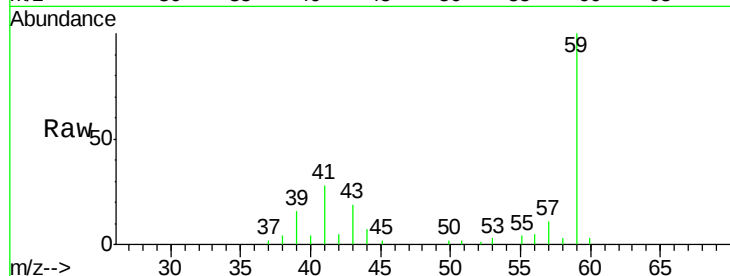
Tert butyl alcohol
 Concen: 103.584 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	59	57	Ratio	100	12.4	Resp:	54673	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	12.4	Resp:	54673	Lower	9.0	Upper	13.4

Manual Integrations
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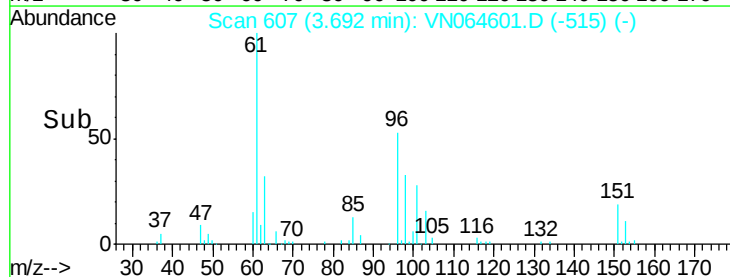
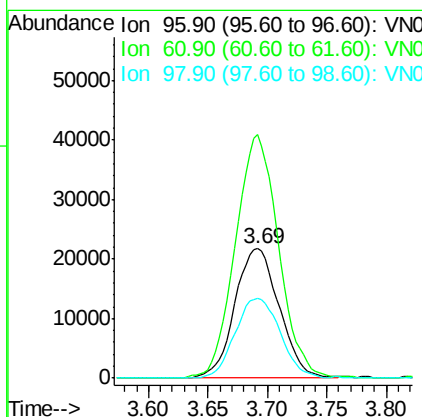
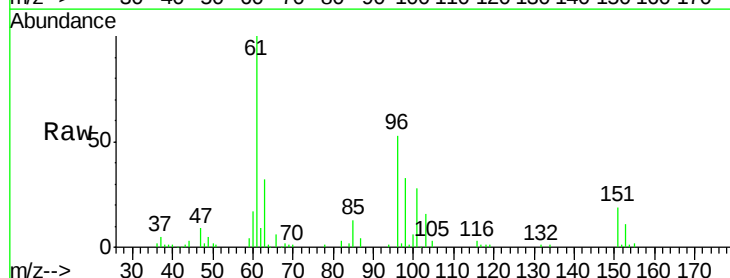
MMDadoda
 11/13/2020 11:43:10 AM

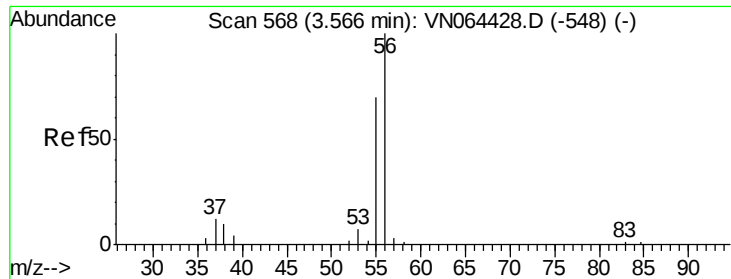


#12

1,1-Dichloroethene
 Concen: 19.151 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	96	61	98	Ratio	100	187.2	61.9	Resp:	56279	Lower	149.5	224.3	Upper	78.6
Ion	96	61	98	Ratio	100	187.2	61.9	Resp:	56279	Lower	149.5	224.3	Upper	78.6





#13

Acrolein

Concen: 68.398 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion: 56 Resp: 22393

Ion Ratio Lower Upper

56 100

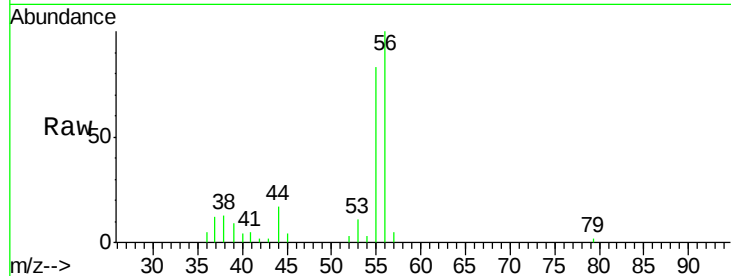
55 79.1 55.9 83.9

Manual Integrations

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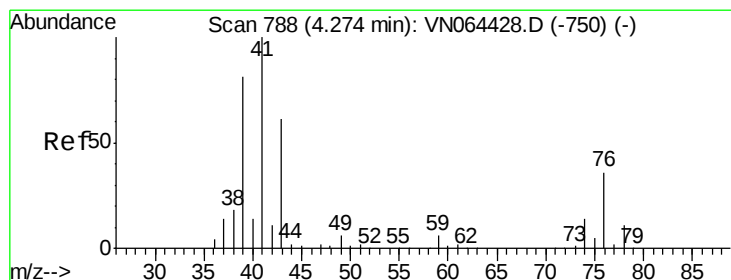
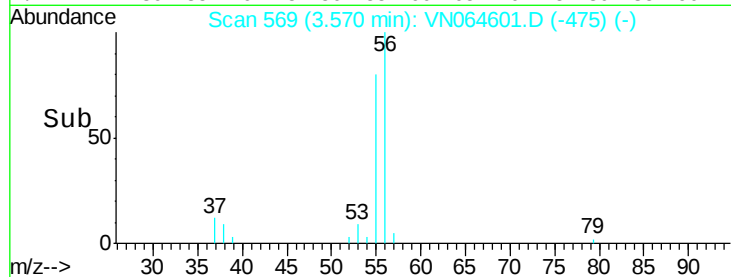
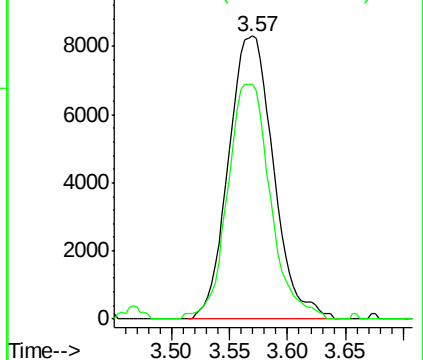
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 17.789 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

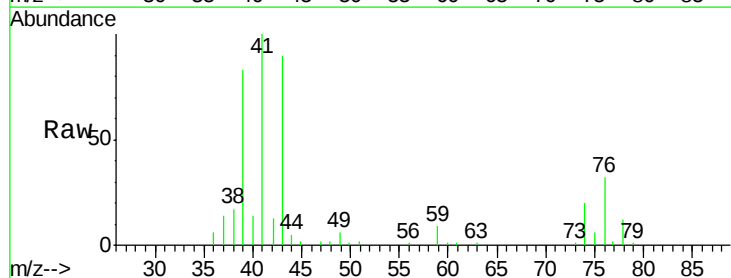
Tgt Ion: 41 Resp: 102260

Ion Ratio Lower Upper

41 100

39 77.5 61.8 92.8

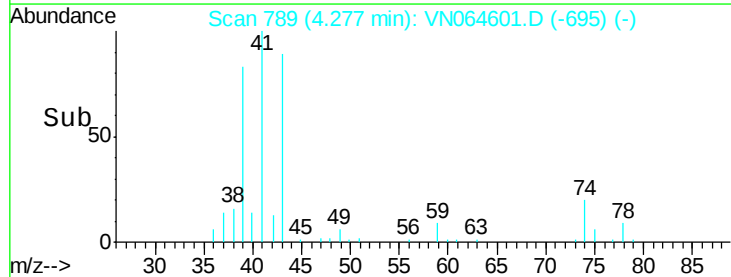
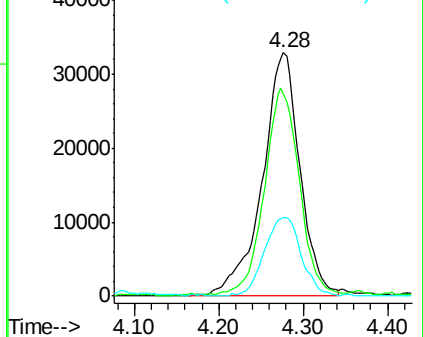
76 31.5 25.4 38.0

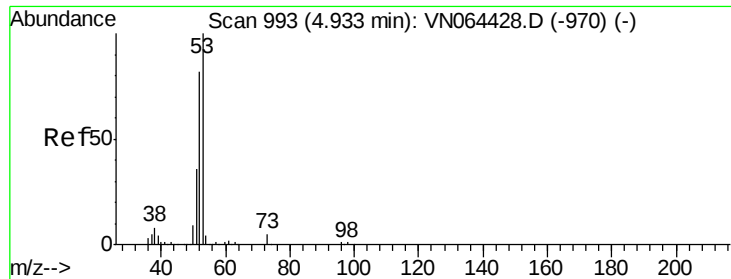


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 108.363 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

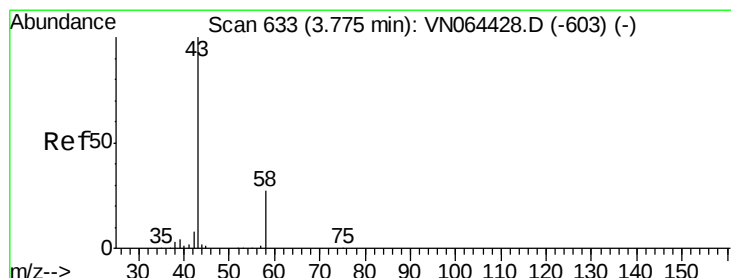
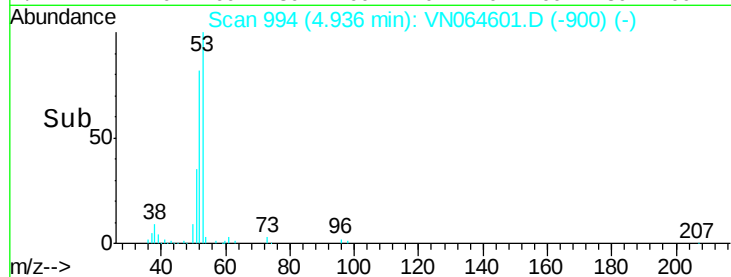
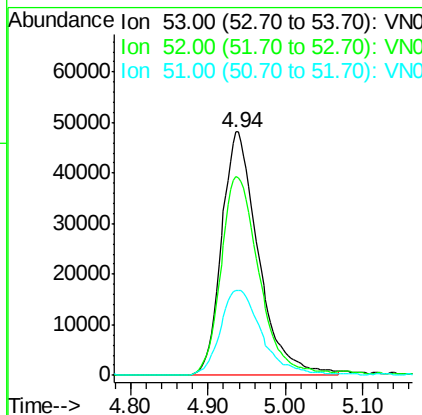
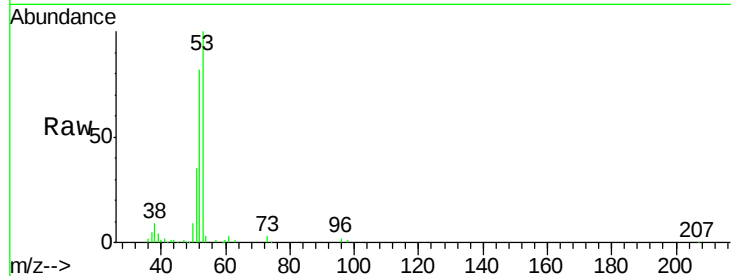
ClientSampleId :

VN1112WBSD02

Tot Ion:	53	Resp:	159238
Ion Ratio		Lower	Upper
53	100		
52	83.8	65.6	98.4
51	39.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 85.884 ug/l

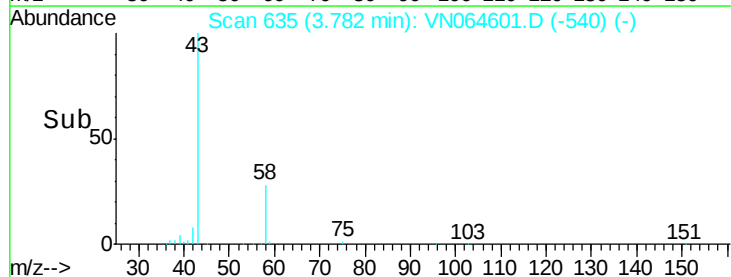
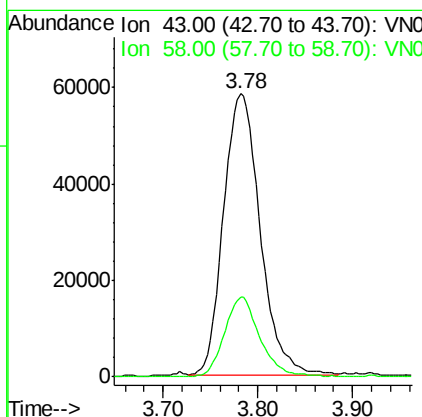
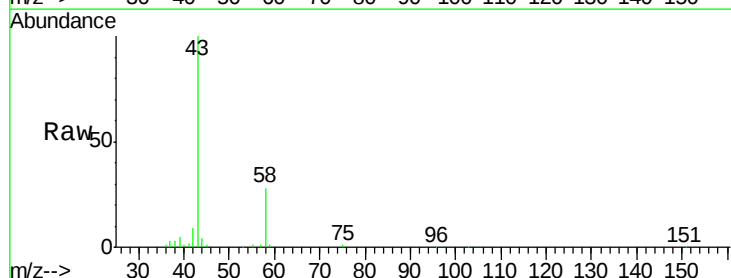
RT: 3.78 min Scan# 635

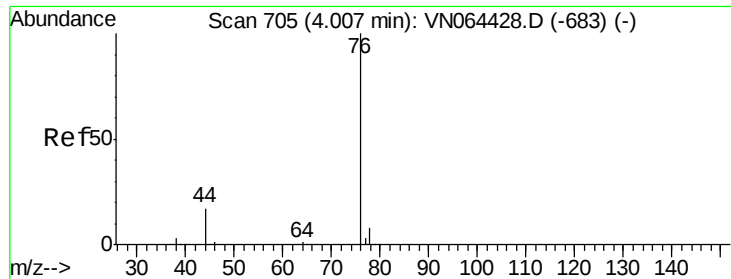
Delta R.T. 0.01 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion:	43	Resp:	156577
Ion Ratio		Lower	Upper
43	100		
58	28.3	21.4	32.0





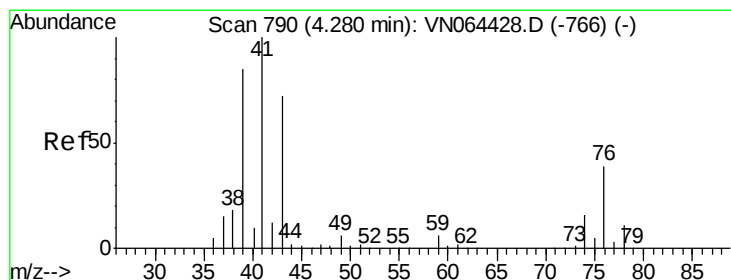
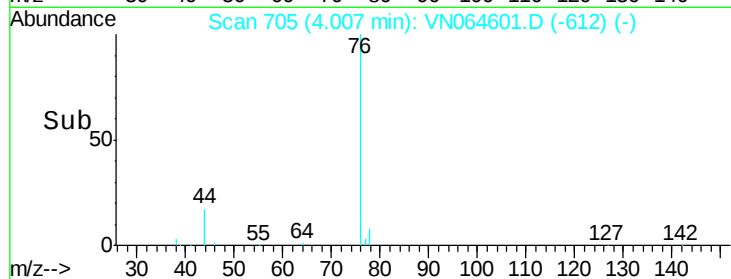
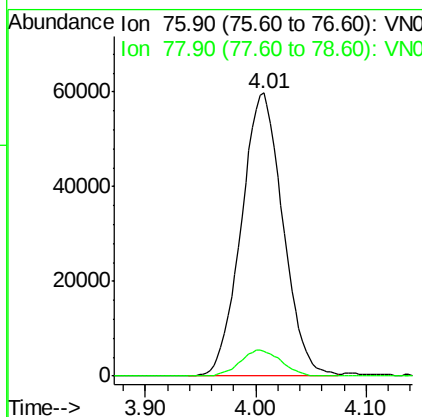
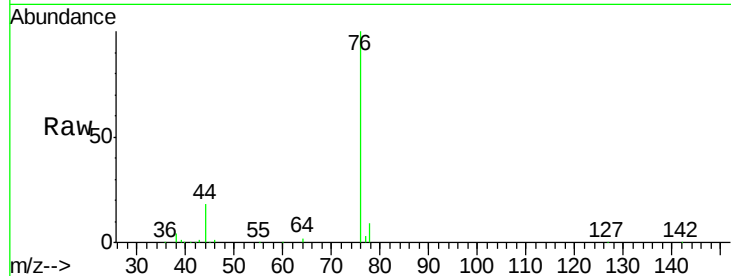
#17
Carbon Disulfide
Concen: 17.814 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

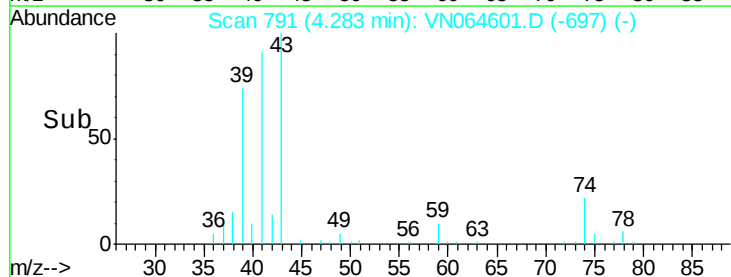
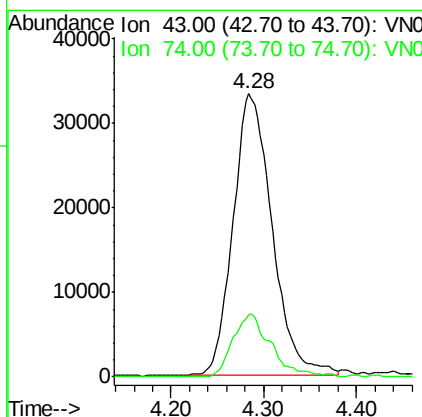
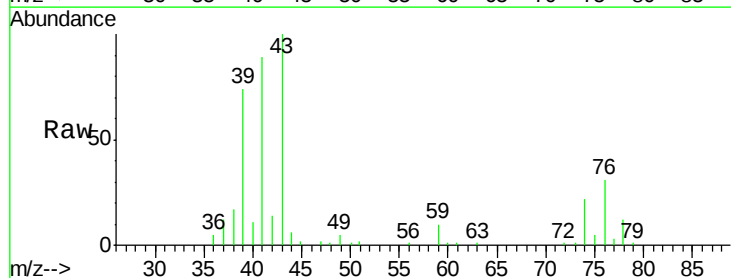
Manual Integrations
APPROVED

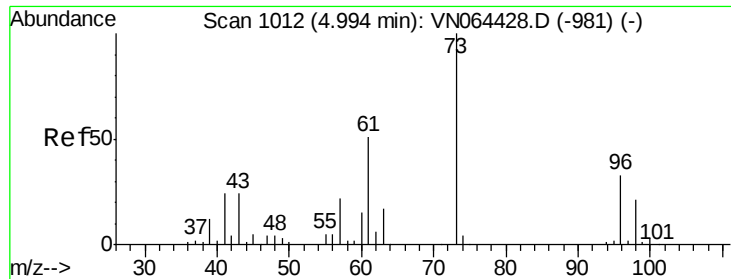
MMDadoda
11/13/2020 11:43:10 AM



#18
Methyl Acetate
Concen: 26.966 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.0	25.4





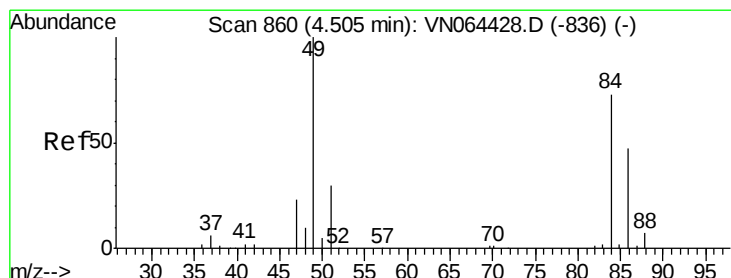
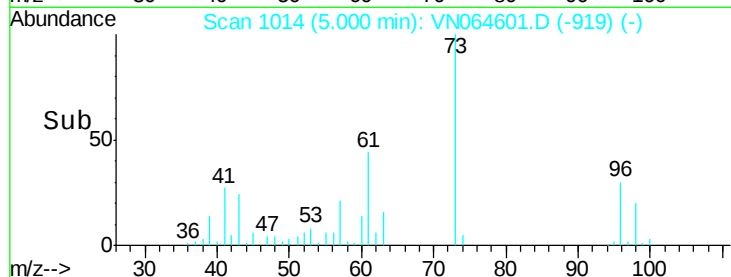
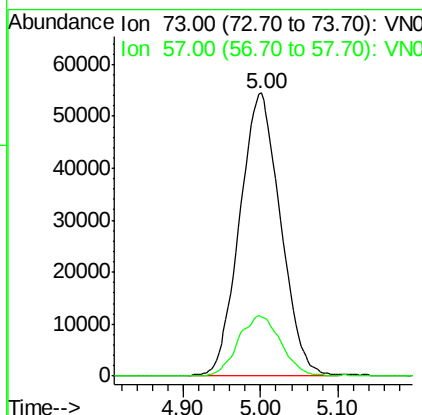
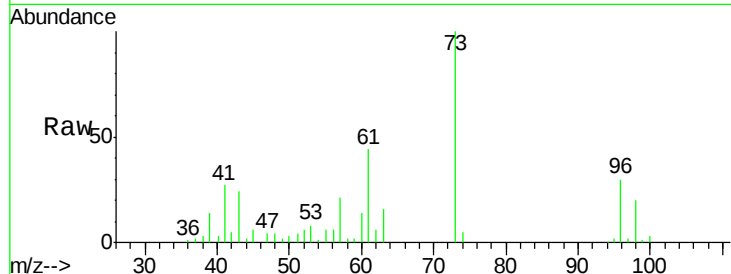
#19
Methvl tert-butvl Ether
Concen: 18.955 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion: 73 Resp: 200476
Ion Ratio Lower Upper
73 100
57 20.9 17.7 26.5

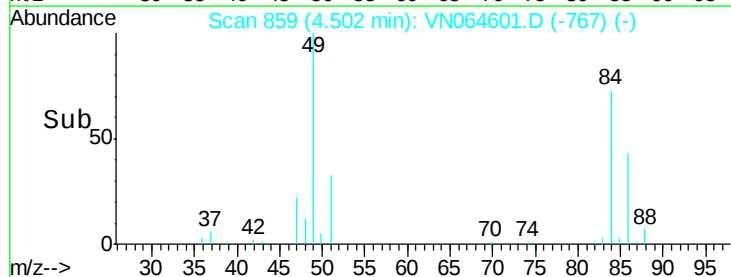
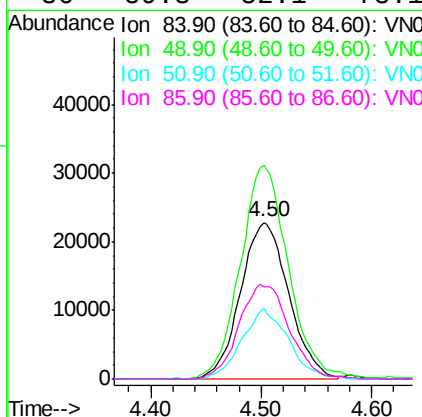
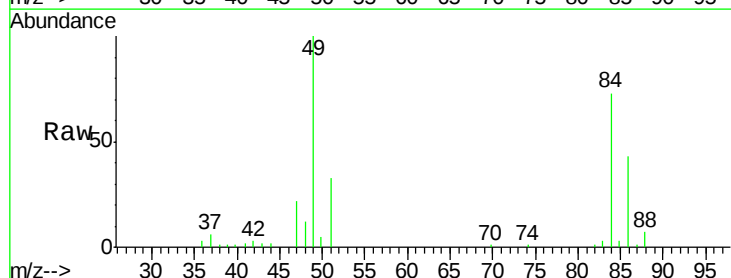
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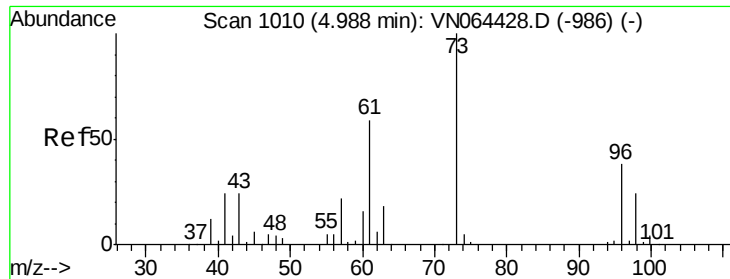
MMDadoda
11/13/2020 11:43:10 AM



#20
Methylene Chloride
Concen: 19.128 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 84 Resp: 69189
Ion Ratio Lower Upper
84 100
49 136.7 110.1 165.1
51 44.7 33.6 50.4
86 59.3 52.1 78.1





#21

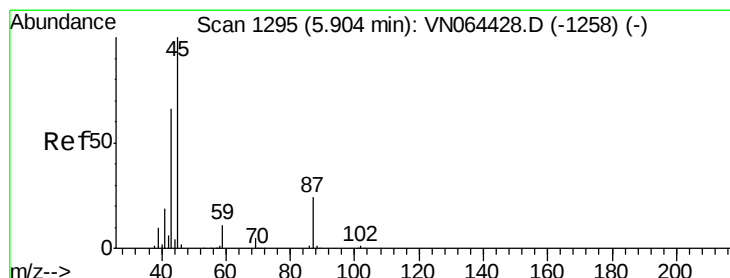
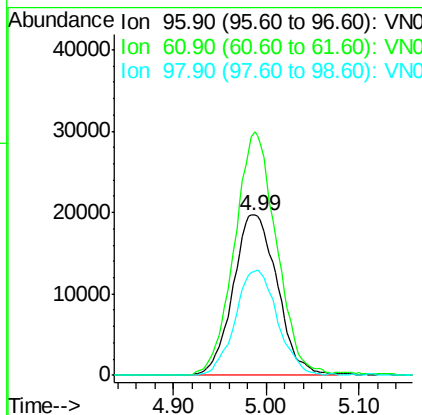
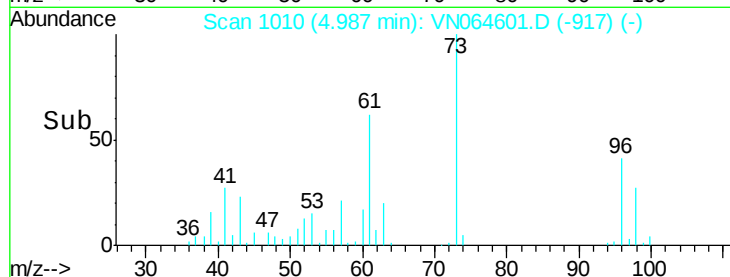
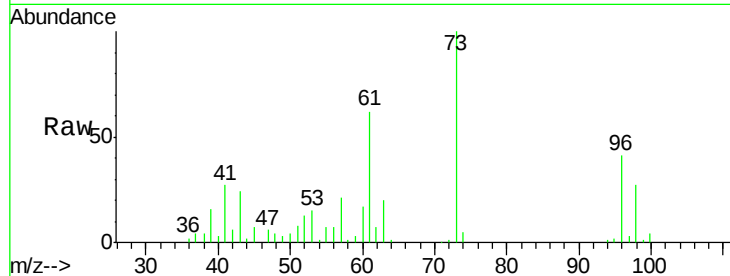
trans-1,2-Dichloroethene
Concen: 19.457 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	122.4	183.6
98	65.2	50.4	75.6

Manual Integrations
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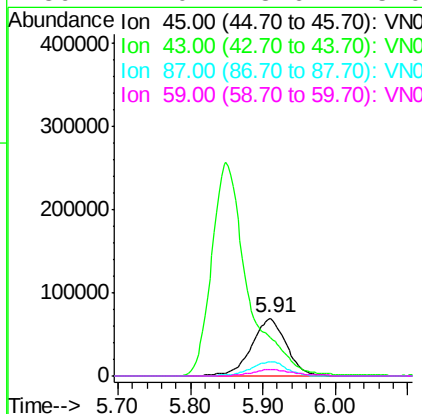
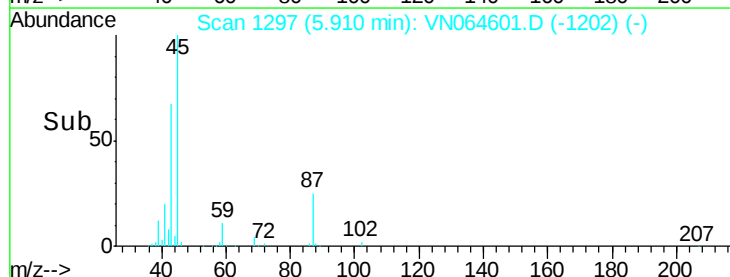
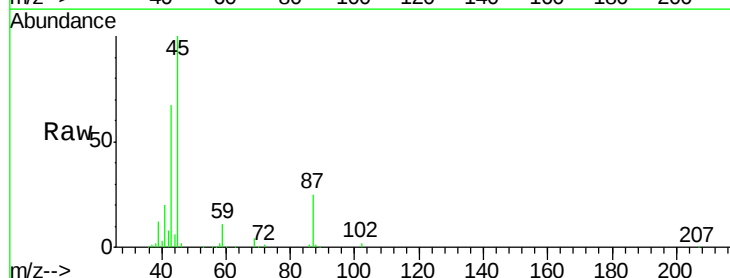
MMDadoda
11/13/2020 11:43:10 AM

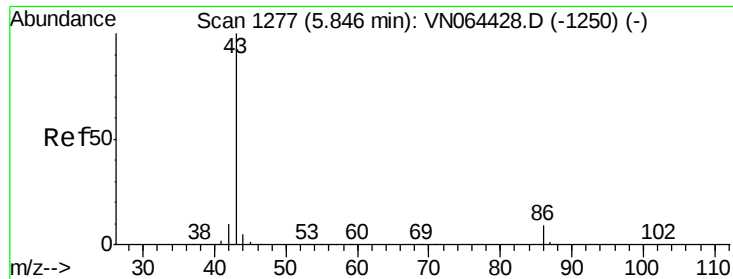


#22

Diisopropyl ether
Concen: 18.874 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	53.2	79.8
87	24.5	19.9	29.9
59	11.0	8.6	13.0





#23

Vinyl Acetate

Concen: 89.042 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion: 43 Resp: 883910

Ion Ratio Lower Upper

43 100

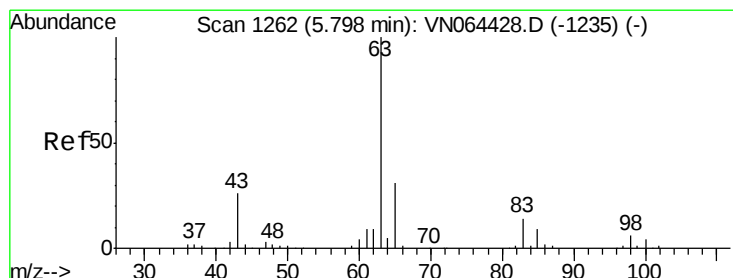
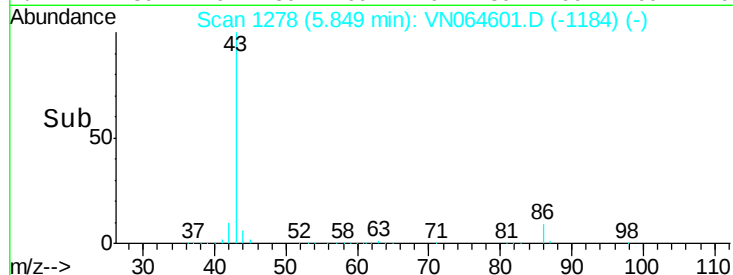
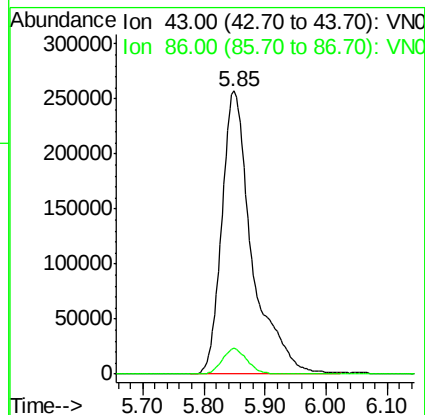
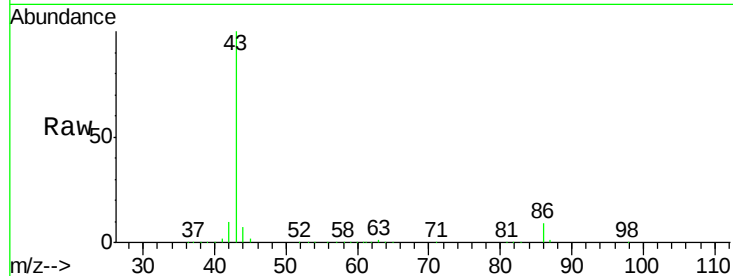
86 9.1 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

11/13/2020 11:43:10 AM



#24

1,1-Dichloroethane

Concen: 19.850 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

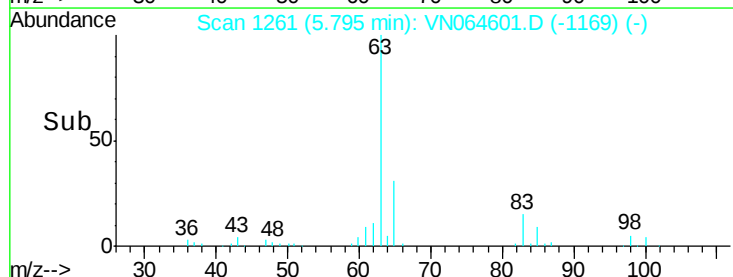
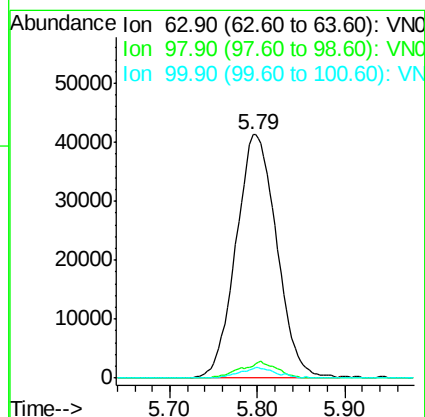
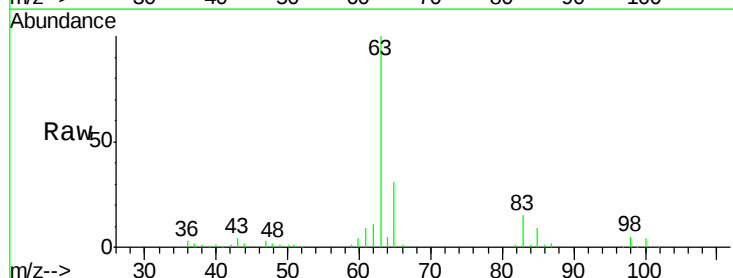
Tgt Ion: 63 Resp: 133107

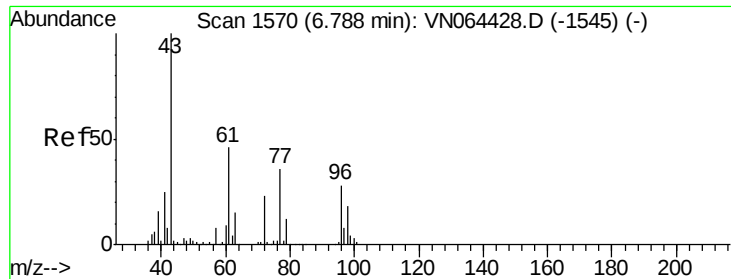
Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

100 4.1 1.8 5.3





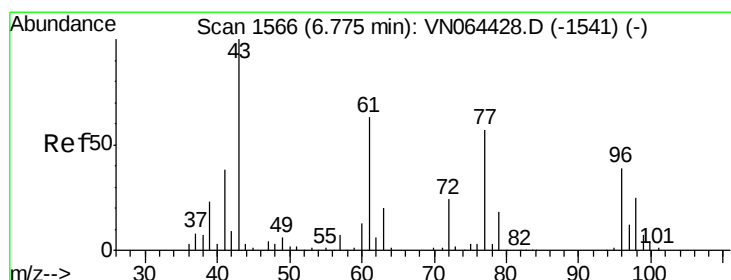
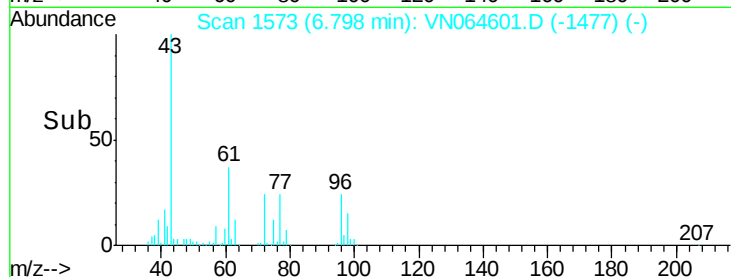
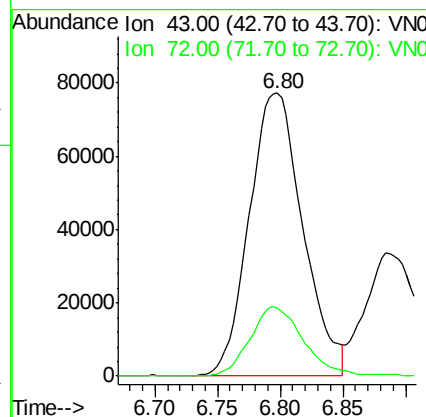
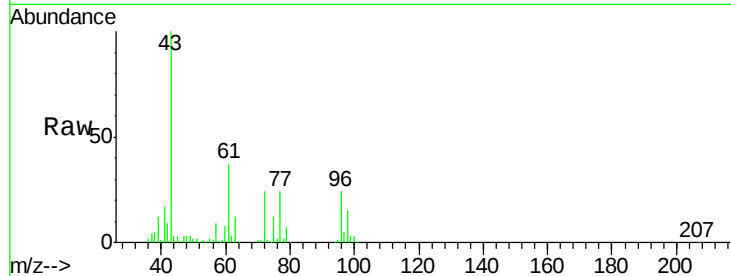
#25
2-Butanone
Concen: 98.445 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion: 43 Resp: 228680
Ion Ratio Lower Upper
43 100
72 24.0 18.5 27.7

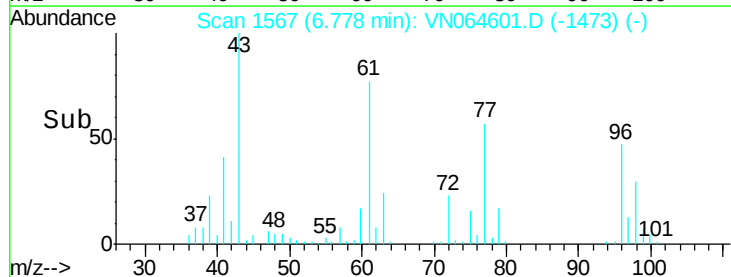
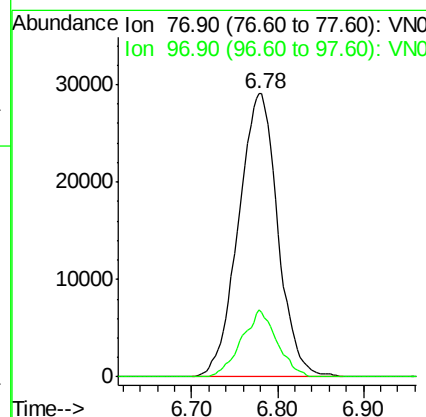
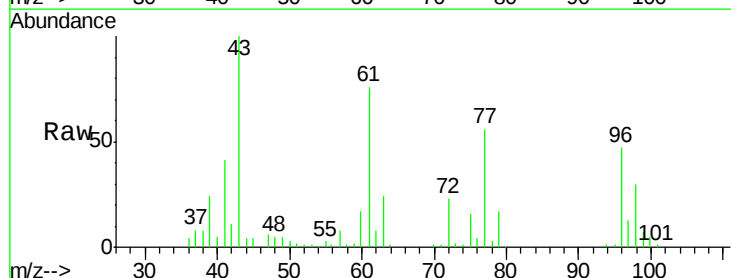
Manual Integrations
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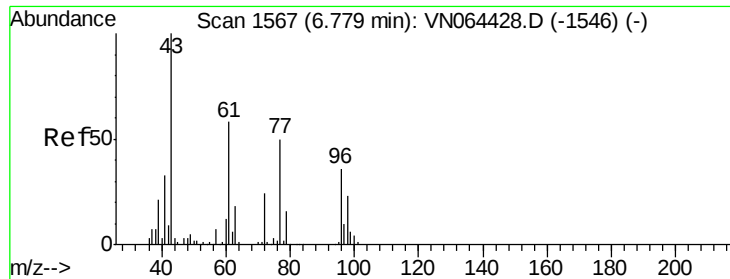
MMDadoda
11/13/2020 11:43:10 AM



#26
2,2-Dichloropropane
Concen: 15.202 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 77 Resp: 92279
Ion Ratio Lower Upper
77 100
97 21.4 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 18.971 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

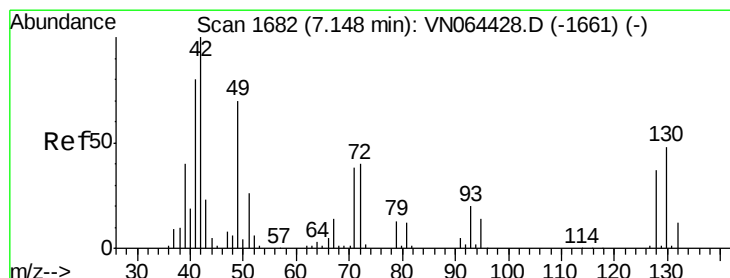
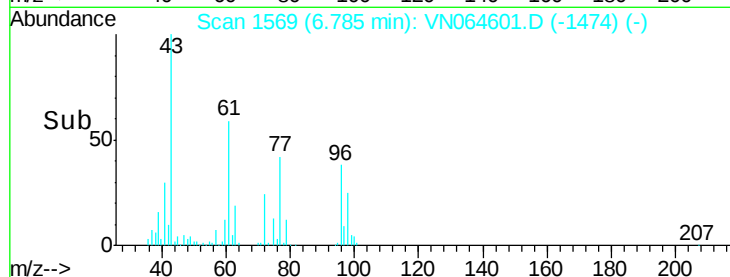
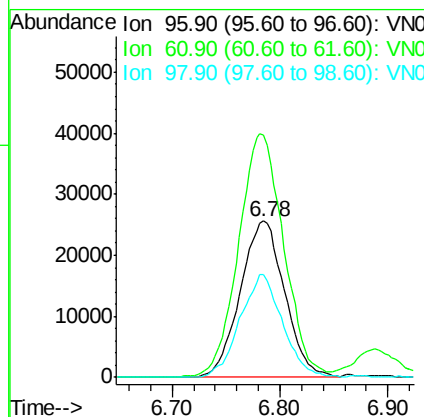
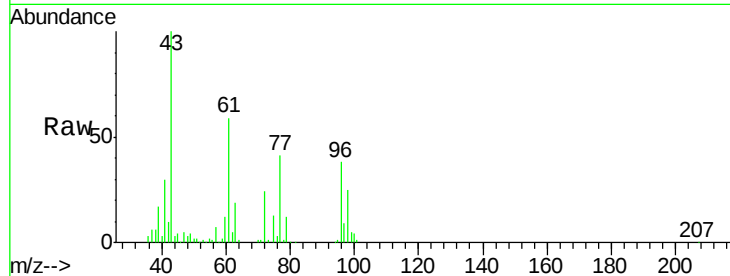
ClientSampleId :

VN1112WBSD02

Tot Ion:	96	Resp:	73346
Ion	Ratio	Lower	Upper
96	100		
61	158.1	0.0	329.6
98	62.9	0.0	131.2

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#28

Bromochloromethane

Concen: 19.132 ug/l

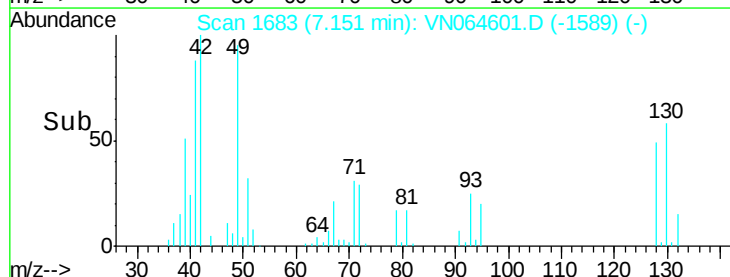
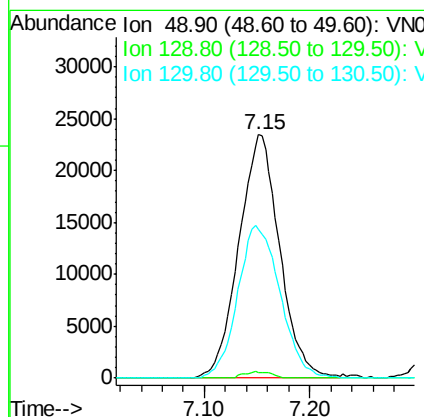
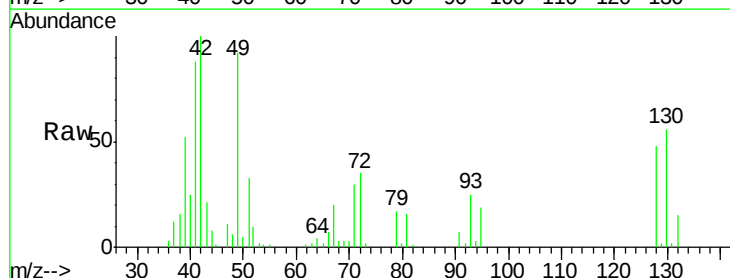
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion:	49	Resp:	63057
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	65.2	54.2	81.4





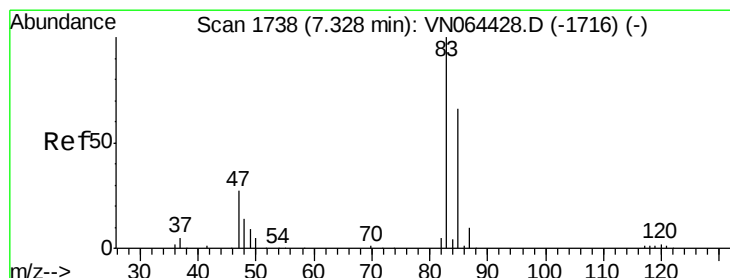
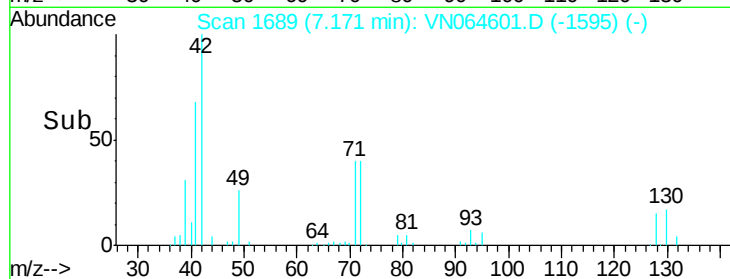
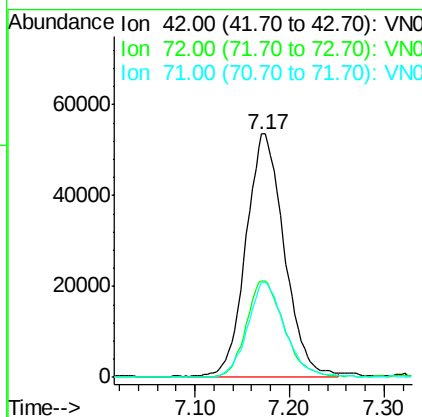
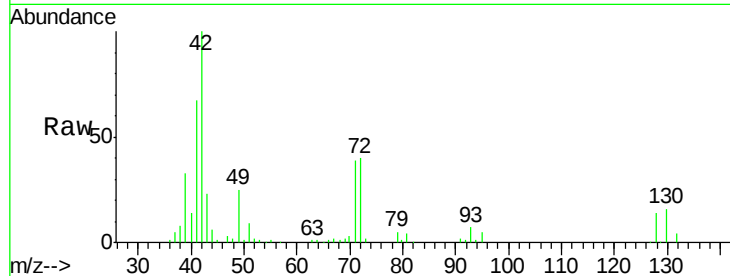
#29
Tetrahydrofuran
Concen: 105.153 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.7	47.5
71	38.4	29.8	44.6

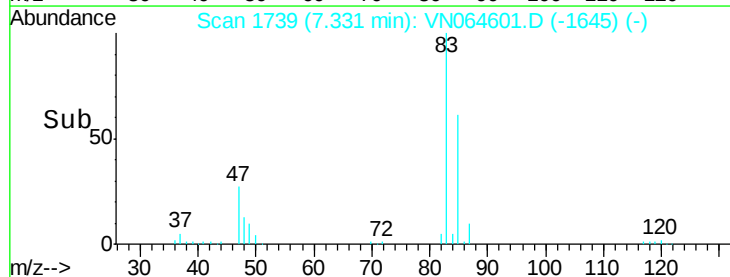
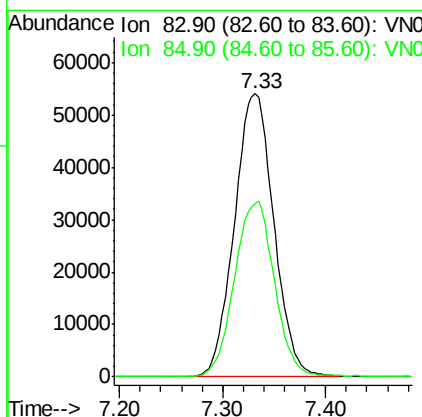
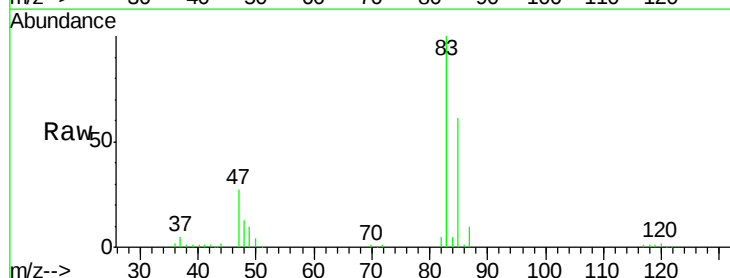
Manual Integrations
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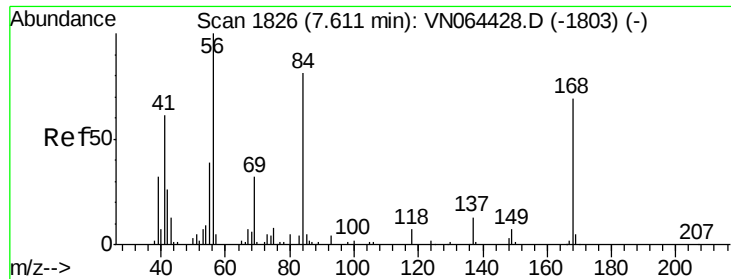
MMDadoda
11/13/2020 11:43:10 AM



#30
Chloroform
Concen: 20.403 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.5	78.7





#31

Cyclohexane

Concen: 16.672 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

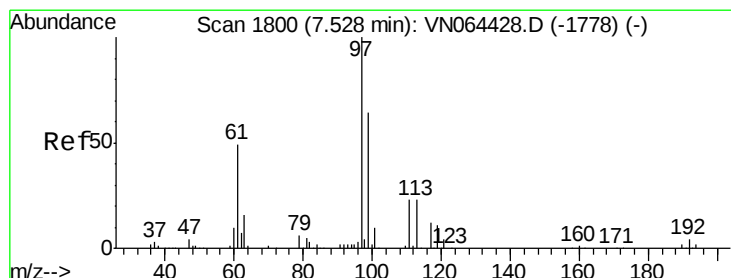
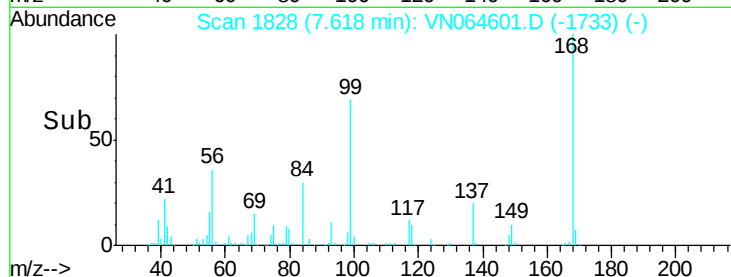
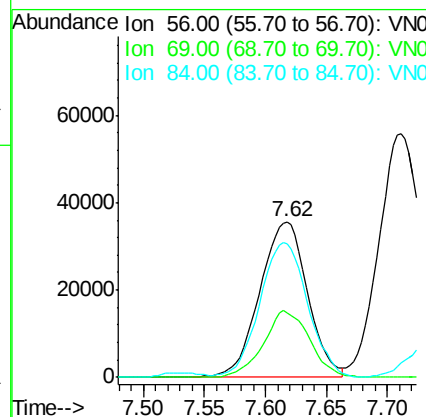
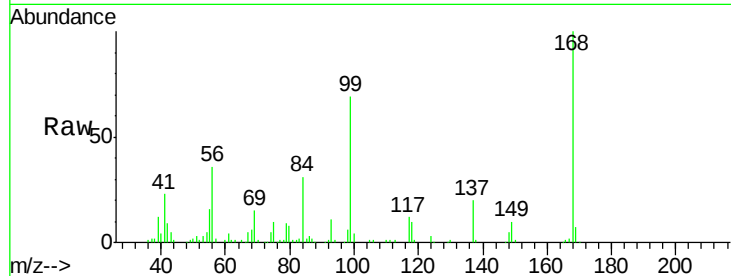
ClientSampleId :

VN1112WBSD02

Tot Ion:	56	Resp:	96997
Ion Ratio	Lower	Upper	
56	100		
69	41.7	25.6	38.4#
84	83.4	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.115 ug/l

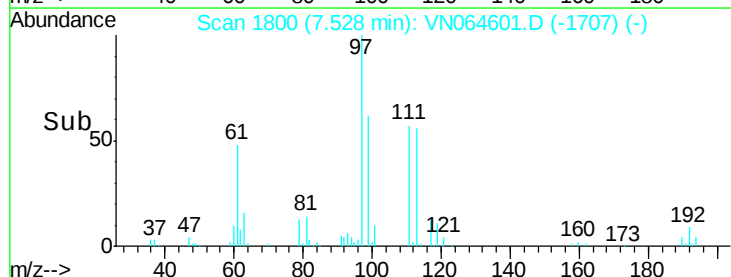
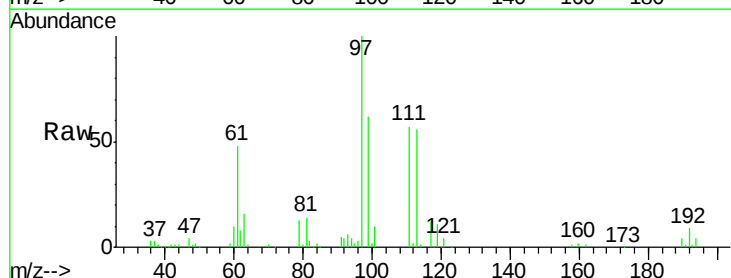
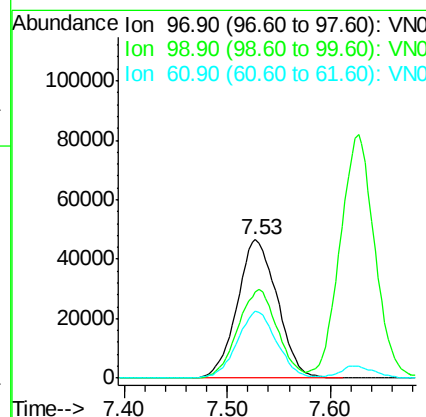
RT: 7.53 min Scan# 1800

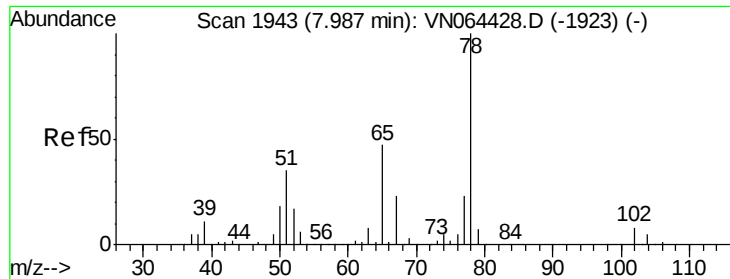
Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion:	97	Resp:	125748
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.3	76.9
61	47.6	39.1	58.7





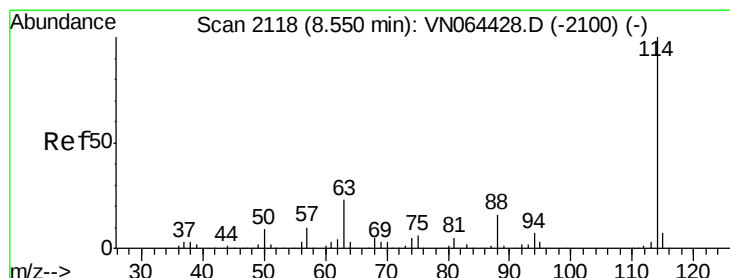
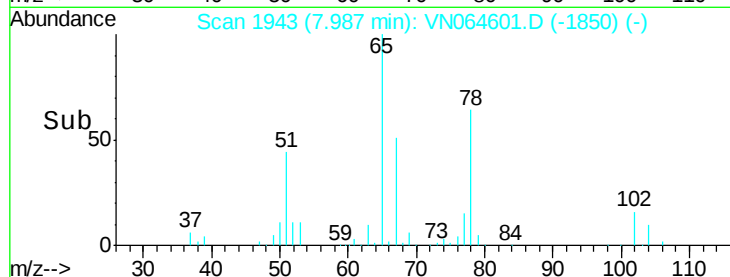
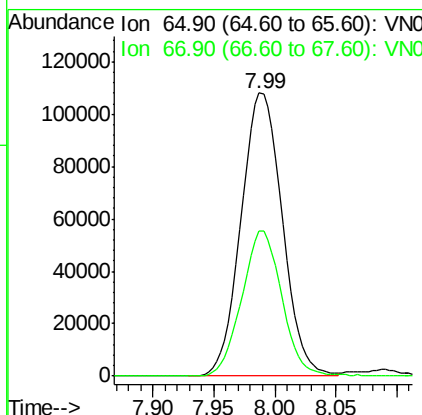
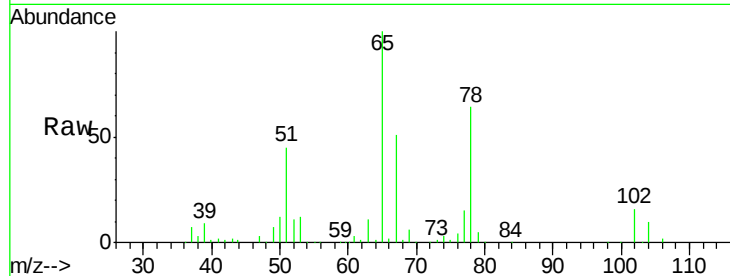
#33
 1,2-Dichloroethane-d4
 Concen: 52.941 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	253382		
67	49.5	0.0	101.6	

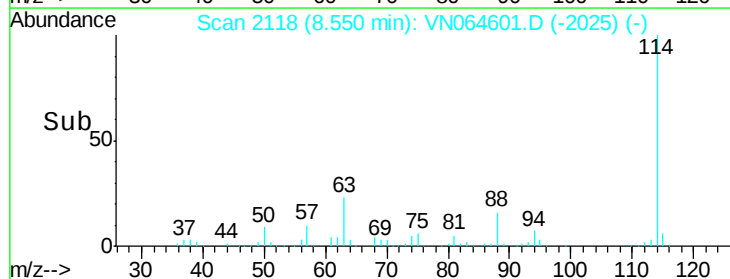
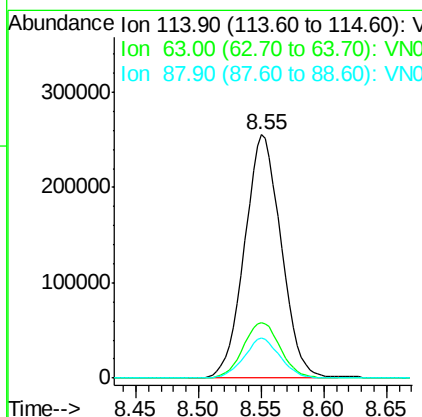
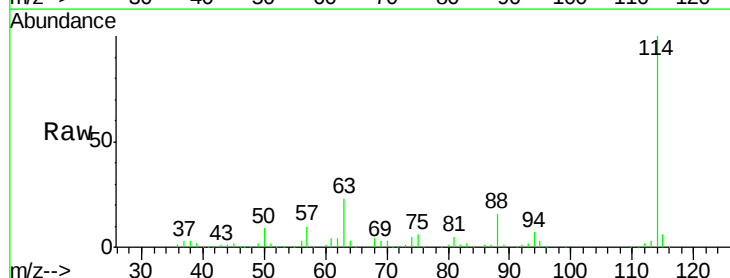
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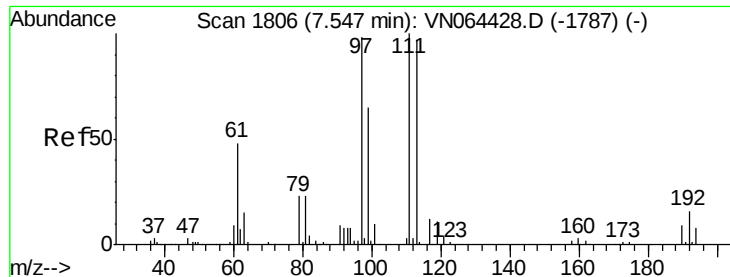
MMDadoda
 11/13/2020 11:43:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	519360		
63	22.9	0.0	45.6	
88	16.3	0.0	32.8	





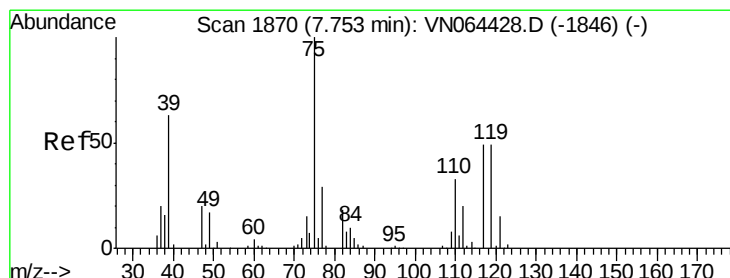
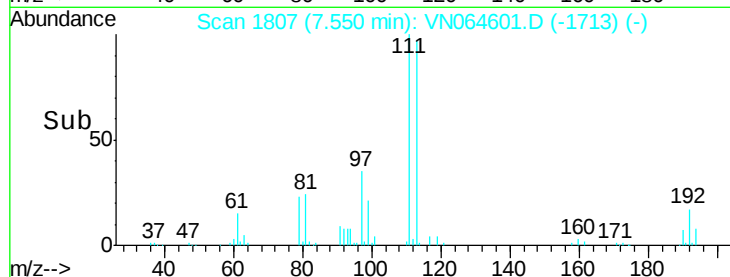
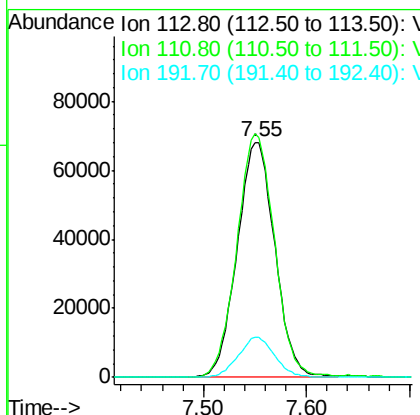
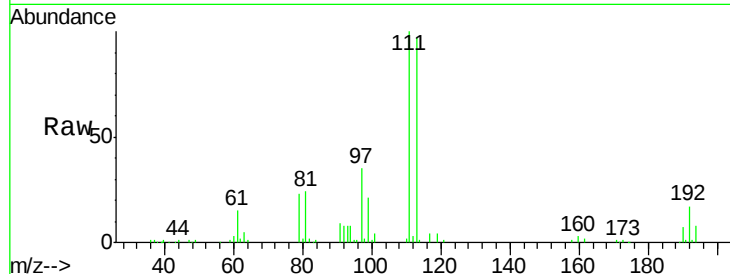
#35
 Dibromofluoromethane
 Concen: 48.958 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173121		
111	103.3	81.1	121.7	
192	16.5	12.8	19.2	

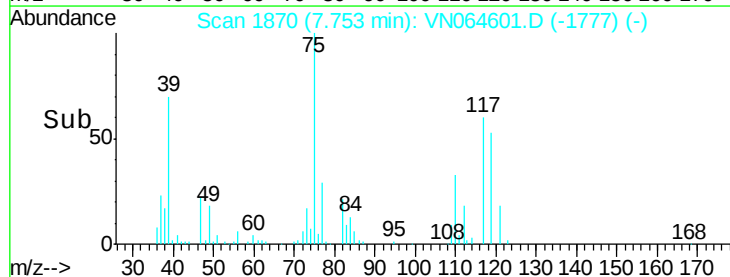
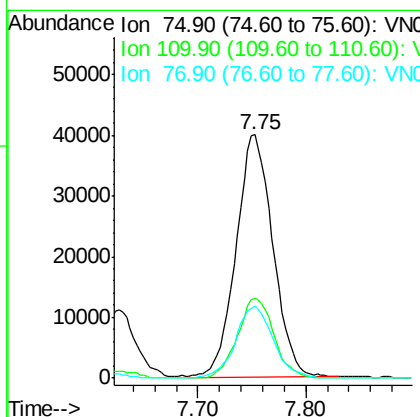
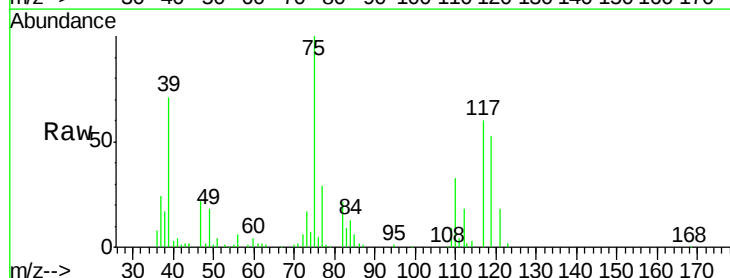
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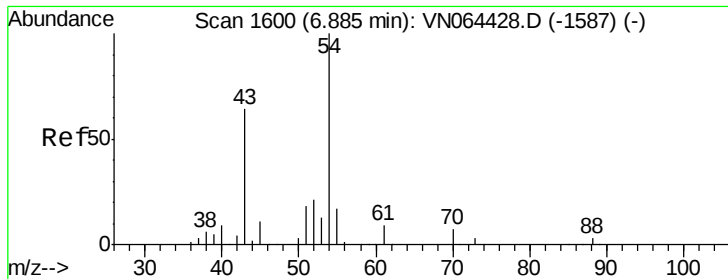
MMDadoda
 11/13/2020 11:43:10 AM



#36
 1,1-Dichloropropene
 Concen: 17.333 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95103		
110	32.3	16.0	48.0	
77	30.5	24.0	36.0	





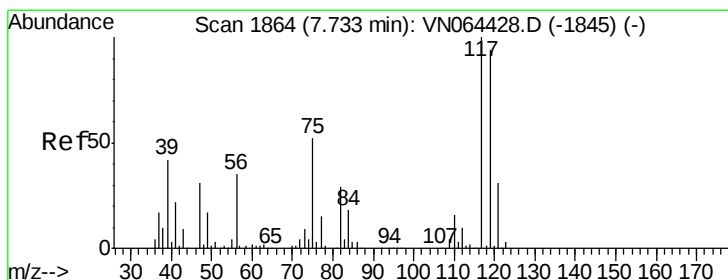
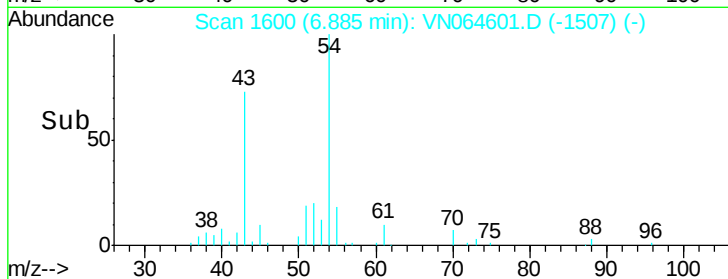
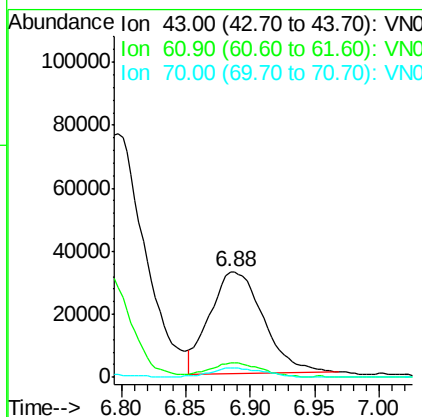
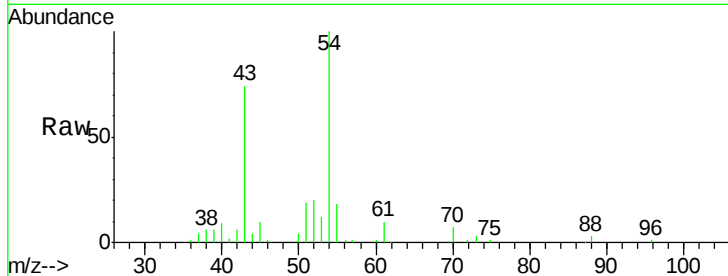
#37
Ethyl Acetate
Concen: 17.363 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	43	61	70
Resp	93872		
Ratio	100	12.9	9.4
Lower		10.0	7.1
Upper		15.0	10.7

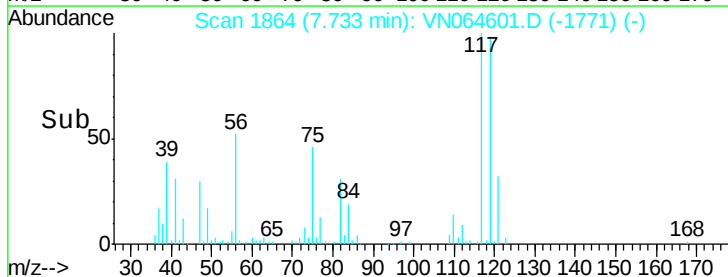
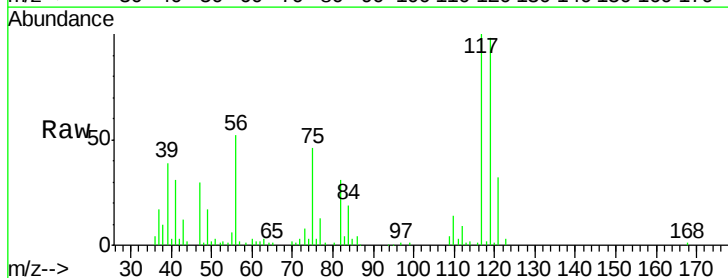
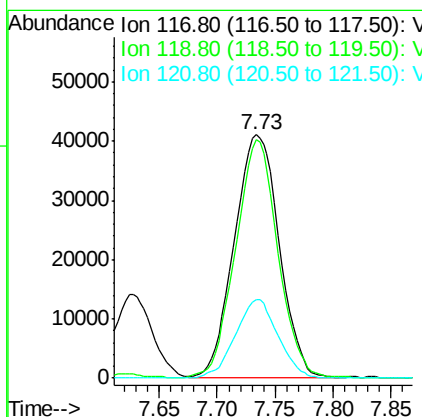
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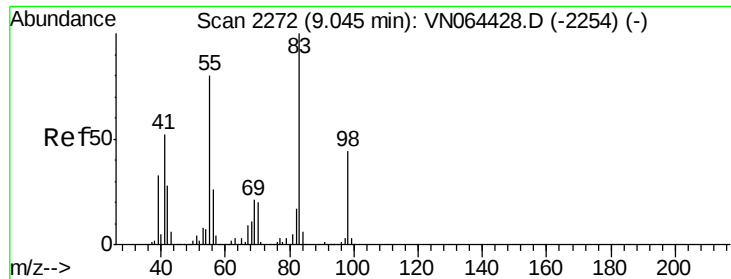
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#38
Carbon Tetrachloride
Concen: 18.898 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	117	119	121
Resp	110815		
Ratio	100	97.7	32.2
Lower		75.5	24.4
Upper		113.3	36.6





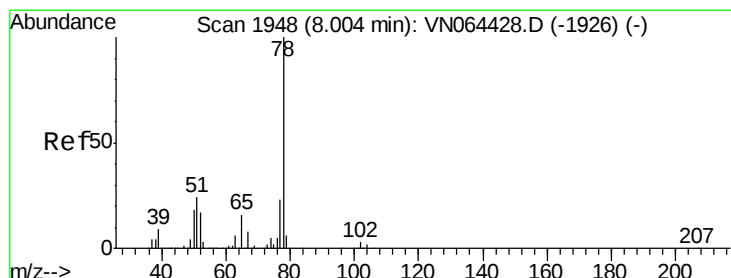
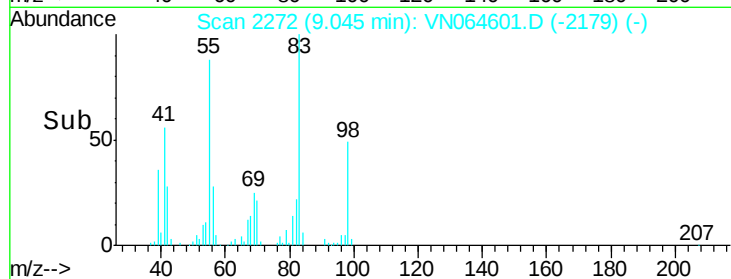
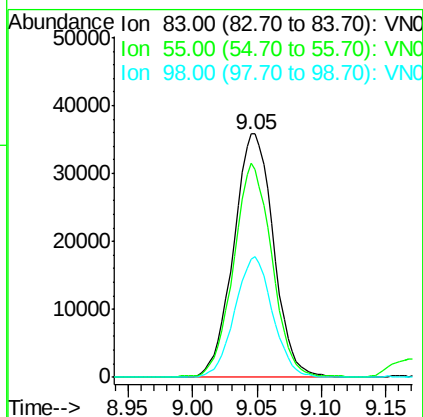
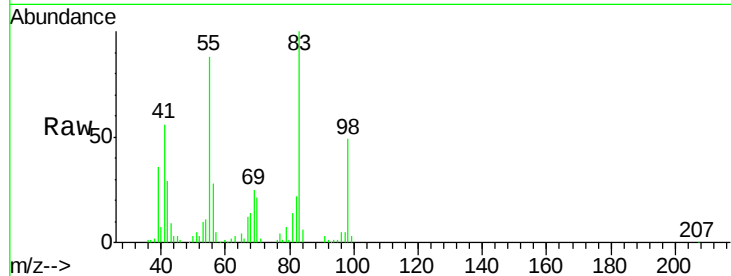
#39
Methvlcvclohexane
Concen: 15.689 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	63.8	95.6
98	48.6	35.4	53.2

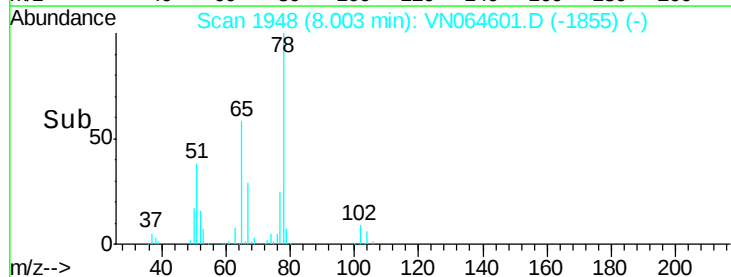
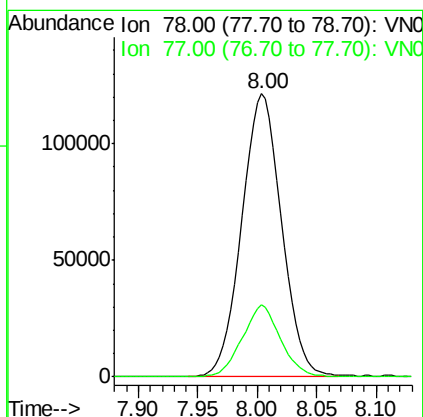
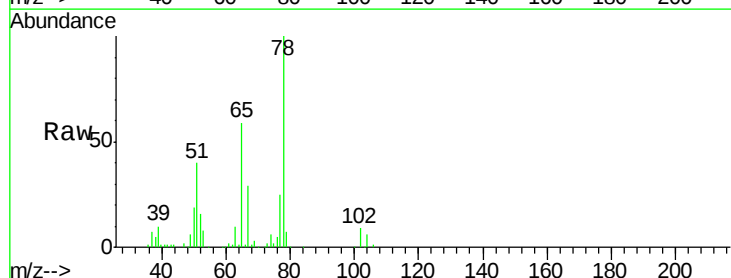
Manual Integrations
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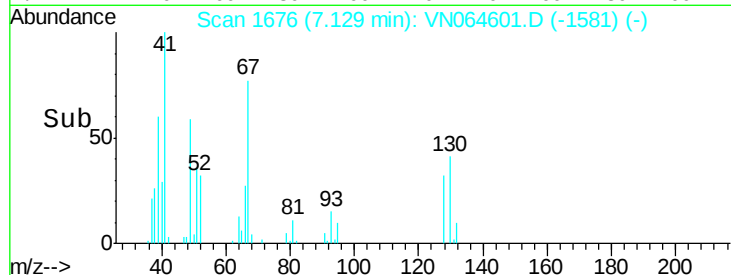
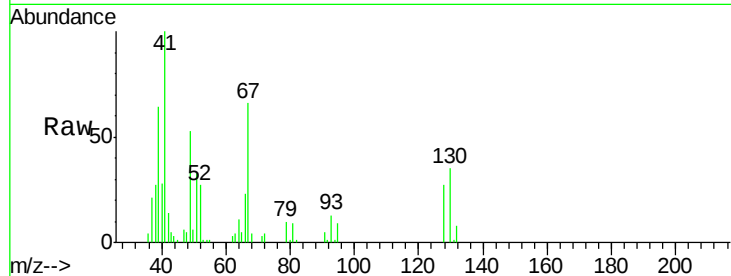
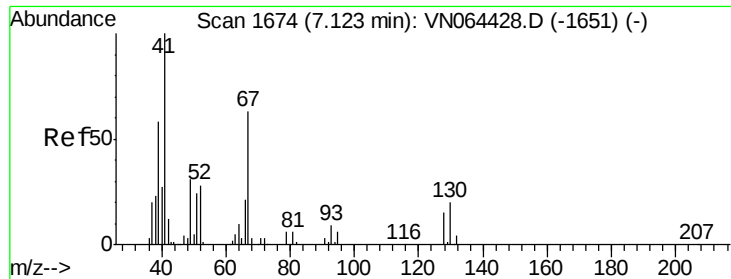
MMDadoda
11/13/2020 11:43:10 AM



#40
Benzene
Concen: 17.480 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.7	28.1





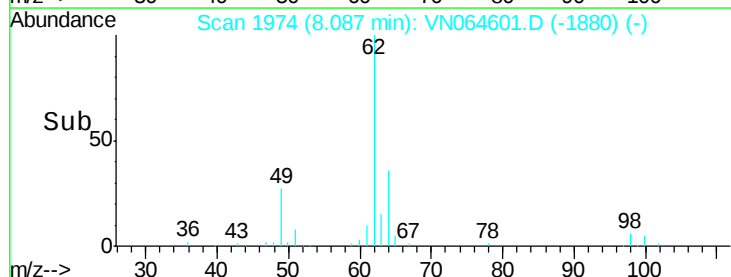
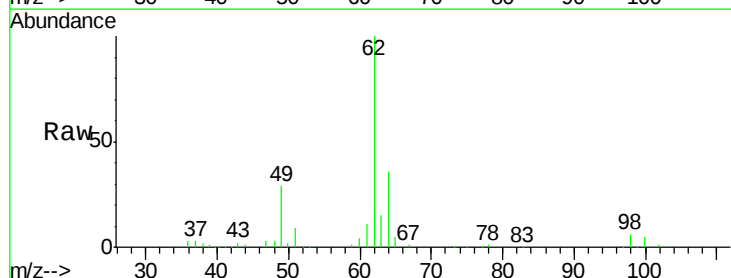
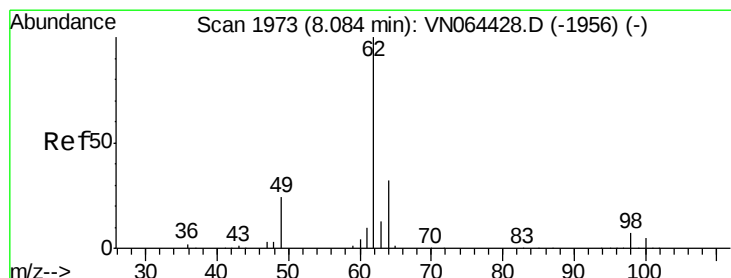
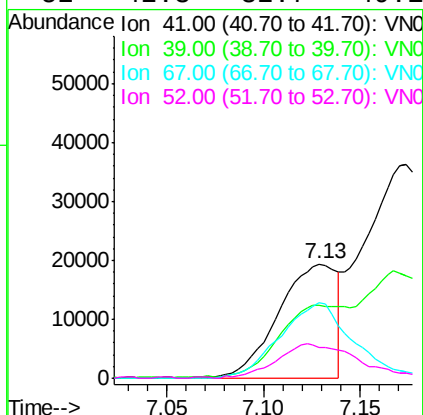
#41
Methacrylonitrile
Concen: 16.792 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tot Ion	41	Resp	40846
Ion	Ratio	Lower	Upper
41	100		
39	72.9	50.0	75.0
67	82.8	68.3	102.5
52	42.3	32.7	49.1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

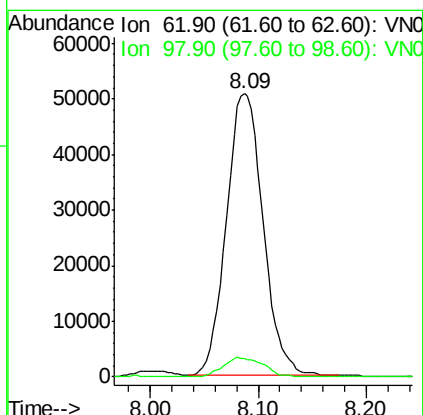
Manual Integrations
APPROVED

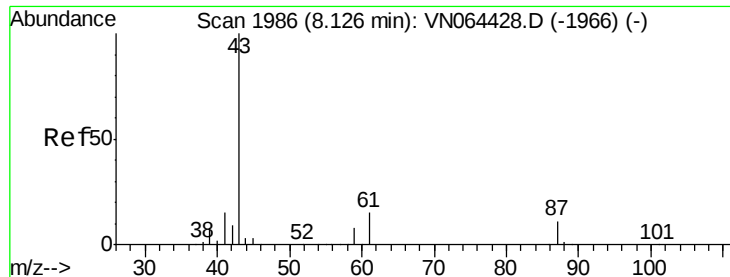
MMDadoda
11/13/2020 11:43:10 AM



#42
1,2-Dichloroethane
Concen: 18.478 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	62	Resp	120224
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	14.0





#43

Isopropyl Acetate

Concen: 18.252 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

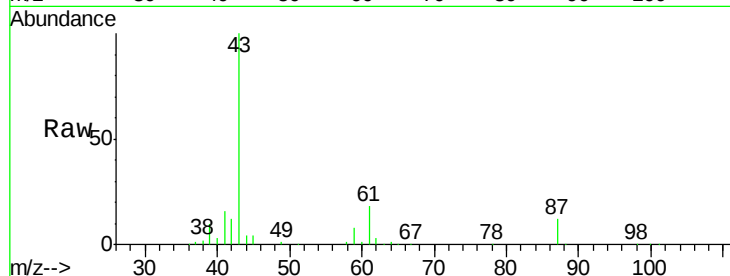
ClientSampleId :

VN1112WBSD02

Tot Ion:	43	Resp:	162287
Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.0	21.0
87	11.7	9.1	13.7

Manual Integrations
APPROVED

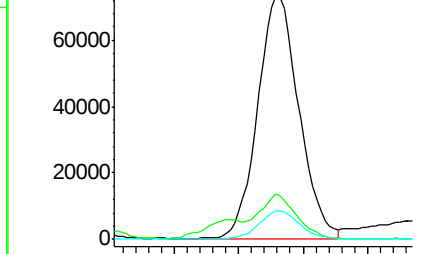
MMDadoda
11/13/2020 11:43:10 AM



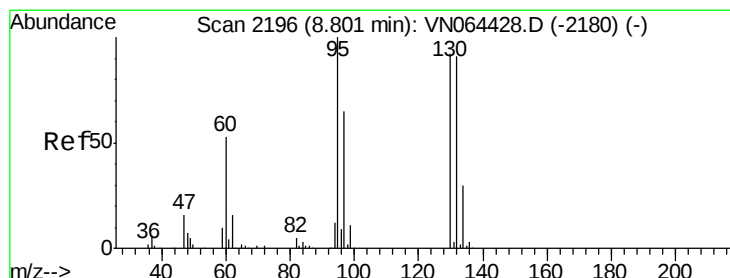
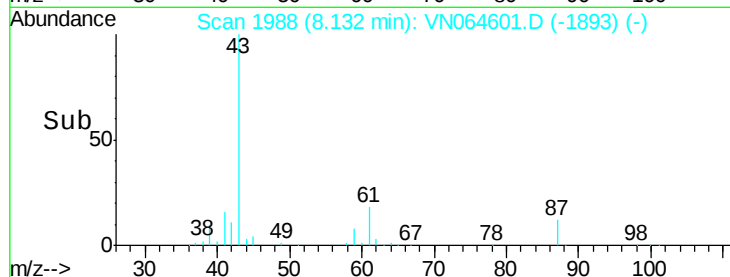
Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



Time-->



#44

Trichloroethene

Concen: 17.703 ug/l

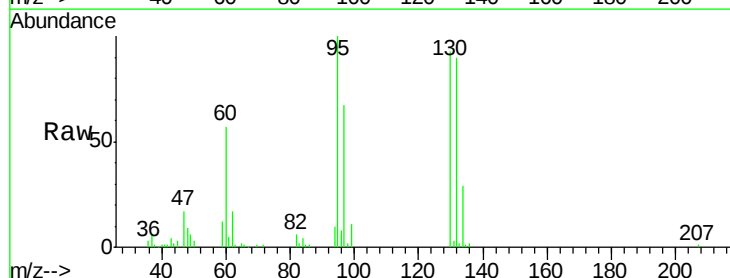
RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064601.D

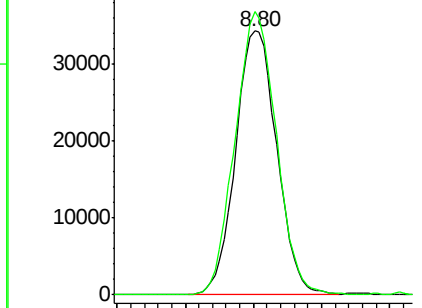
Acq: 13 Nov 2020 00:31

Tgt Ion:	130	Resp:	72010
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	216.8

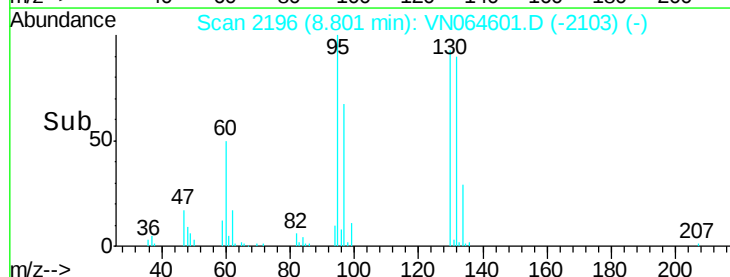


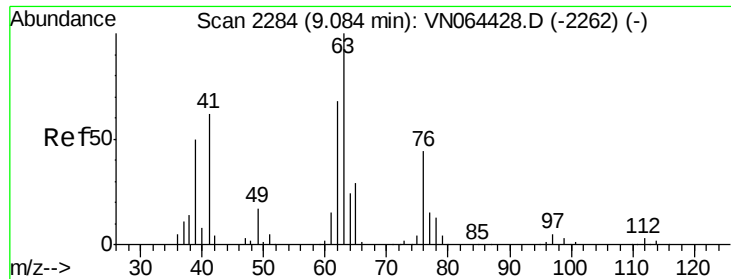
Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)



Time-->





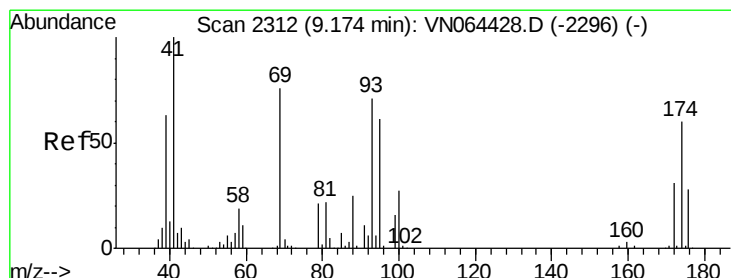
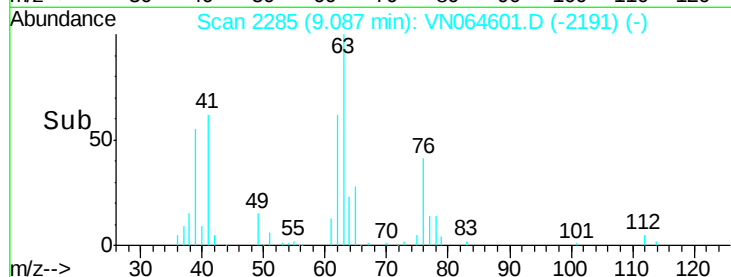
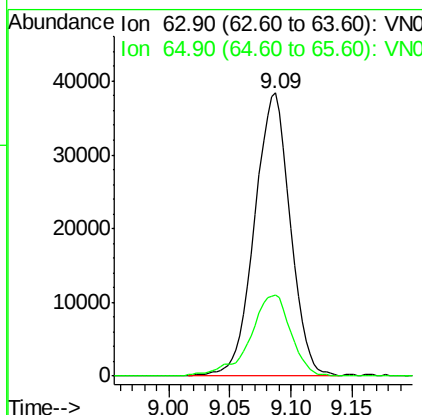
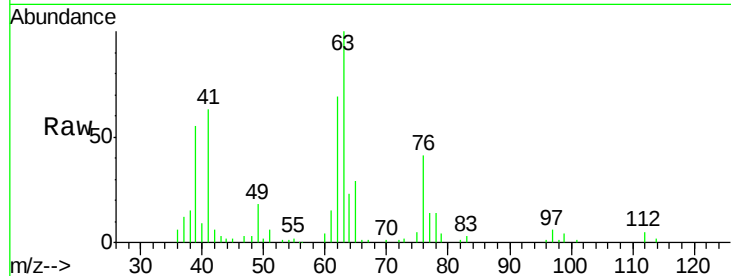
#45
 1,2-Dichloropropane
 Concen: 18.136 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion: 63 Resp: 78021
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.6 35.4

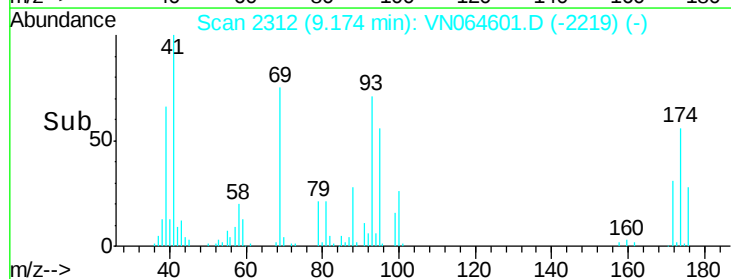
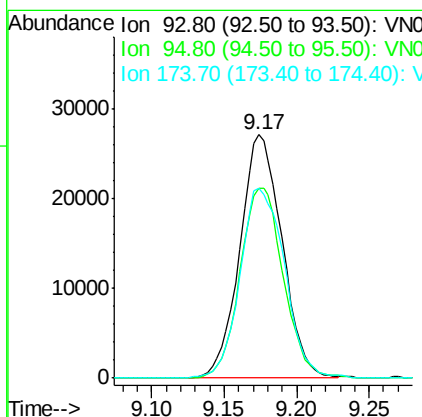
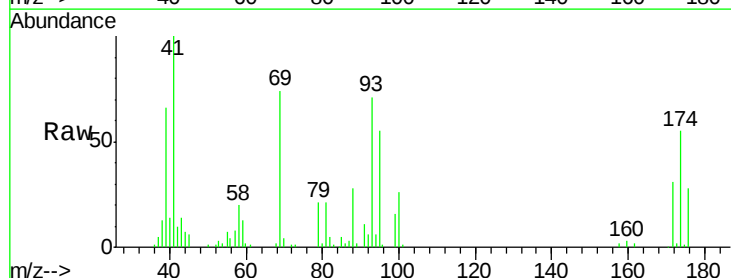
Manual Integrations
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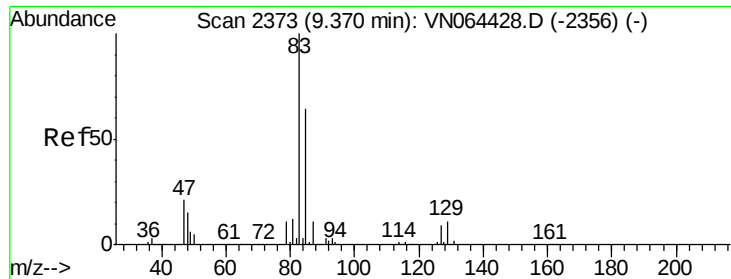
MMDadoda
 11/13/2020 11:43:10 AM



#46
 Dibromomethane
 Concen: 19.388 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion: 93 Resp: 54905
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.4 99.6
 174 82.6 67.2 100.8





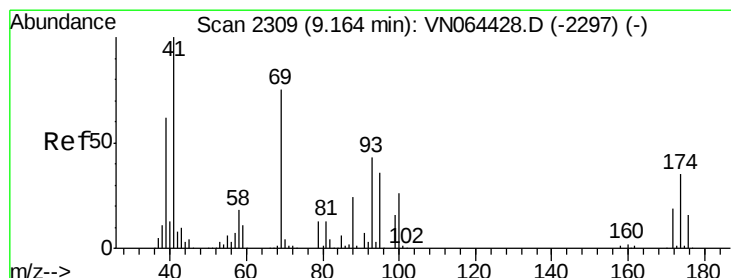
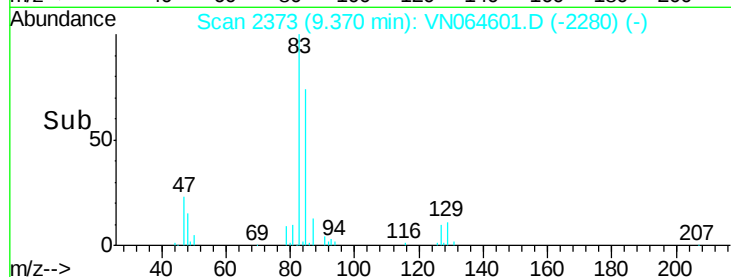
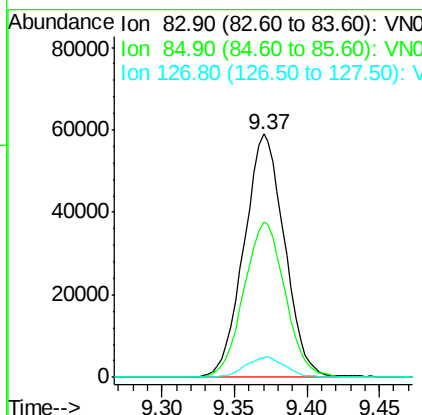
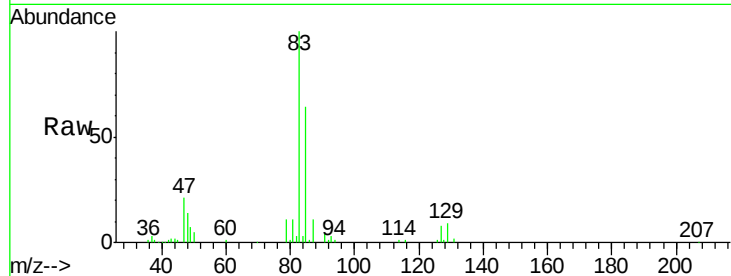
#47
Bromodichloromethane
Concen: 18.820 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	114595		
85	63.6	51.2	76.8	
127	8.3	6.9	10.3	

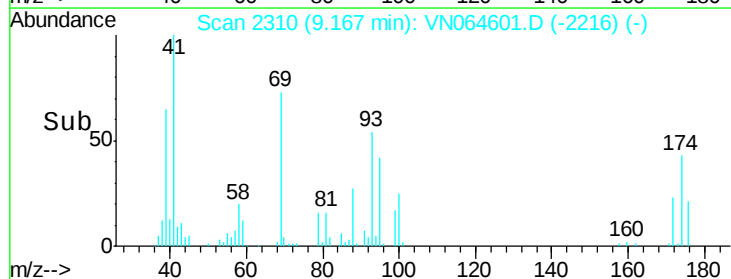
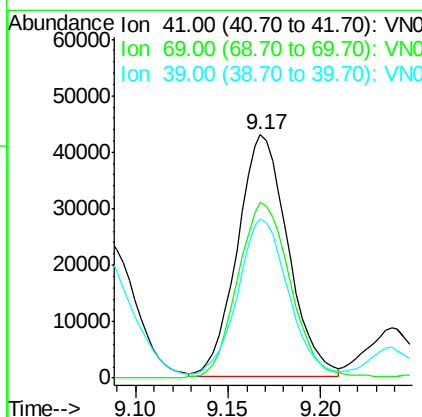
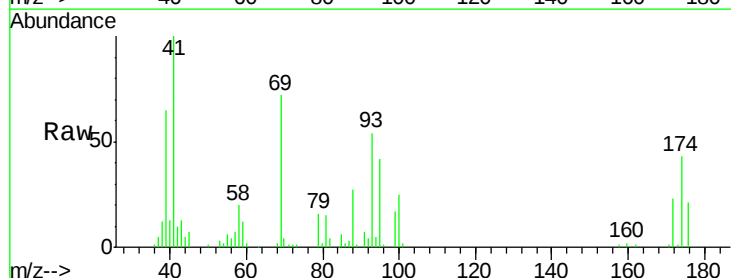
Manual Integrations
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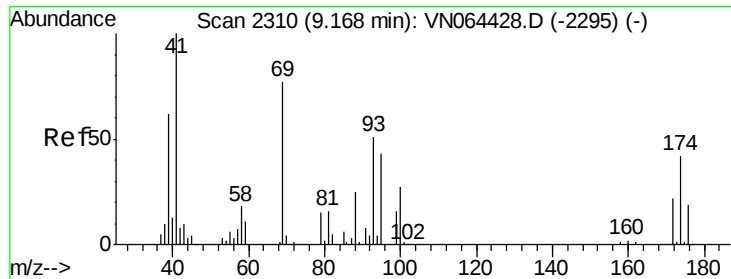
MMDadoda
11/13/2020 11:43:10 AM



#48
Methyl methacrylate
Concen: 18.112 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	81265		
69	75.7	60.4	90.6	
39	66.2	51.2	76.8	





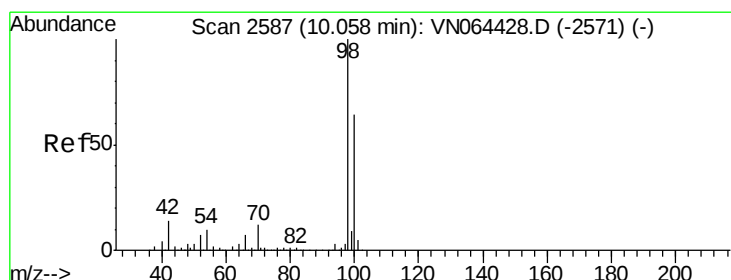
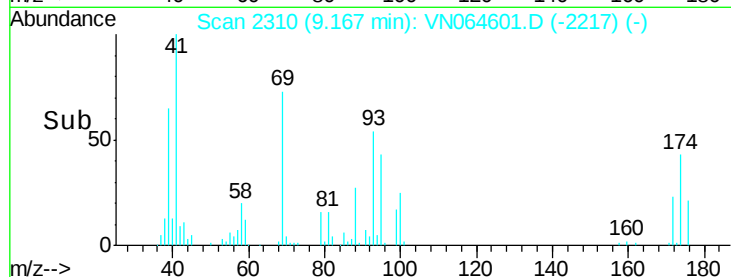
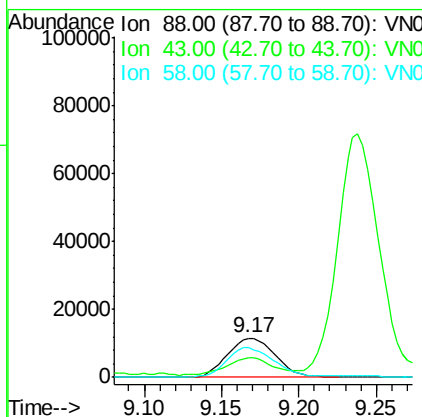
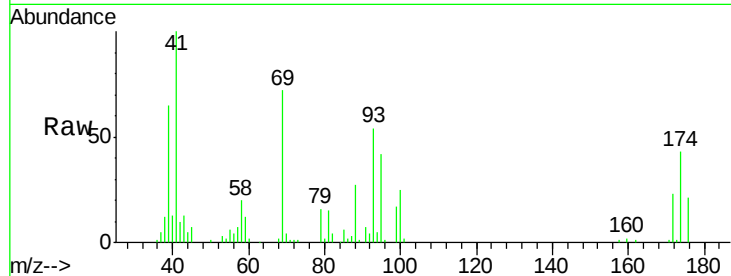
#49
1,4-Dioxane
Concen: 420.447 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.1	31.0	46.6
58	75.3	58.4	87.6

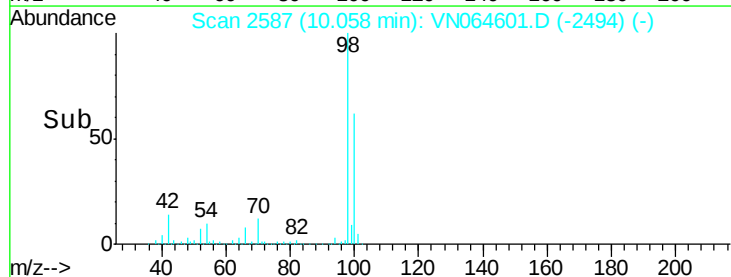
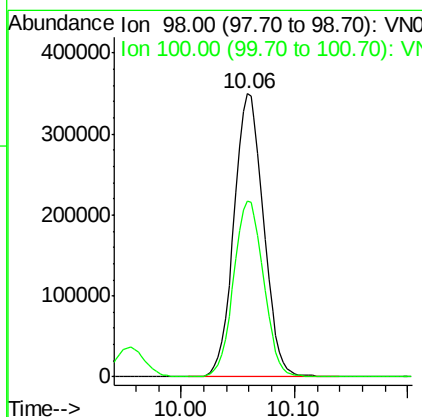
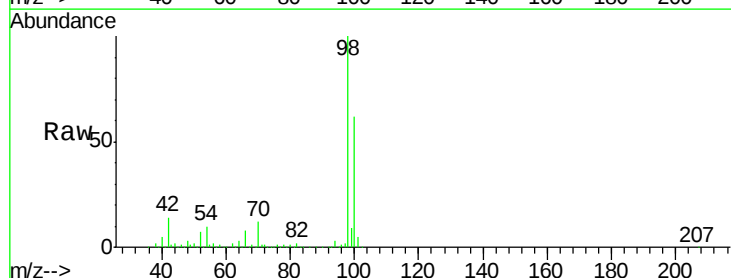
Manual Integrations
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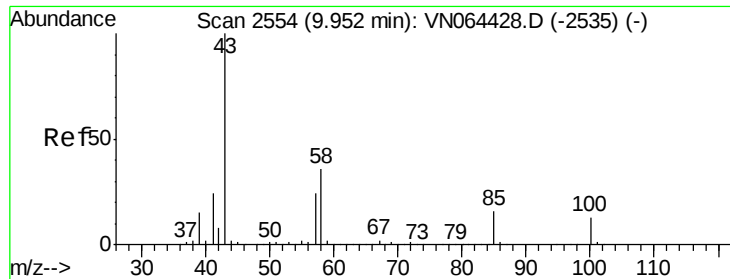
MMDadoda
11/13/2020 11:43:10 AM



#50
Toluene-d8
Concen: 46.700 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.7	76.1





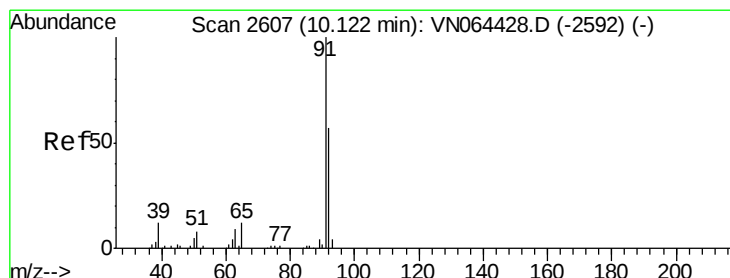
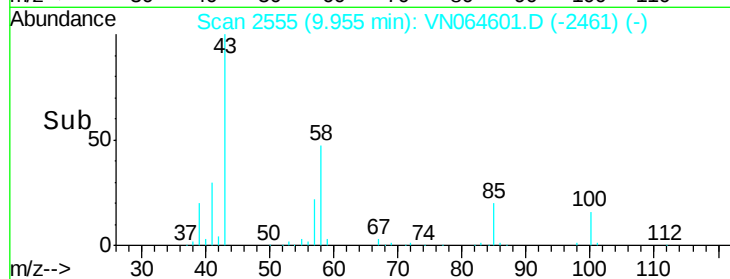
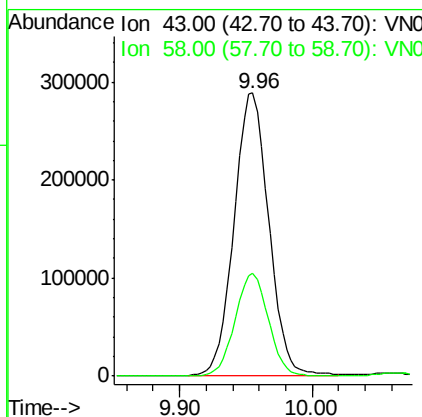
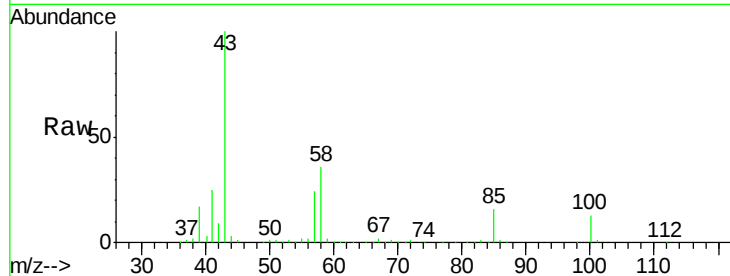
#51
 4-Methyl-2-Pentanone
 Concen: 100.731 ug/l
 RT: 9.96 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.4	42.6

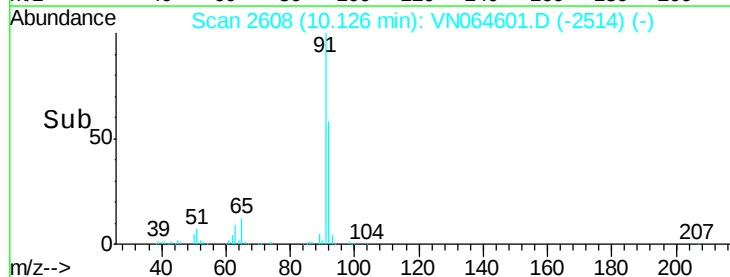
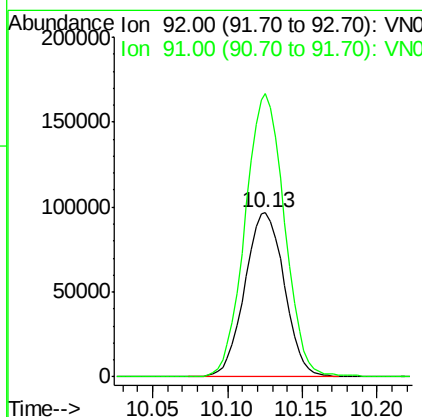
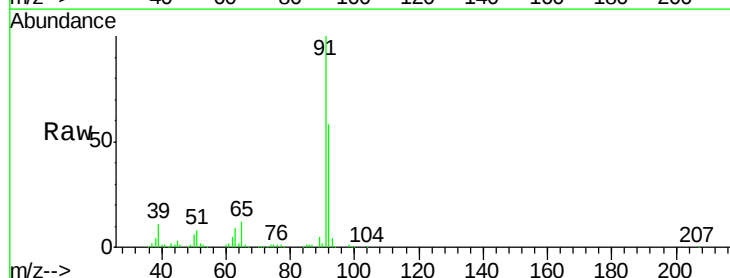
Manual Integrations
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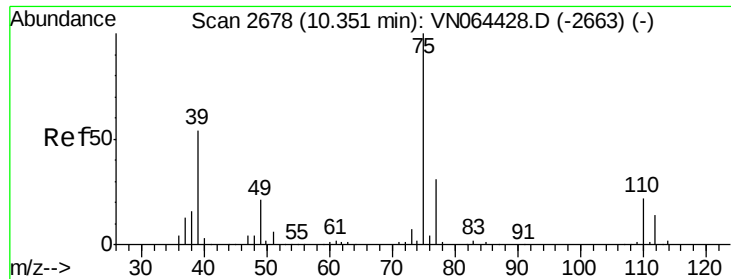
MMDadoda
 11/13/2020 11:43:10 AM



#52
 Toluene
 Concen: 18.104 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	139.6	209.4





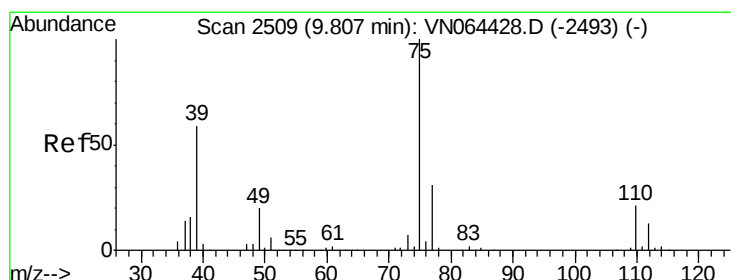
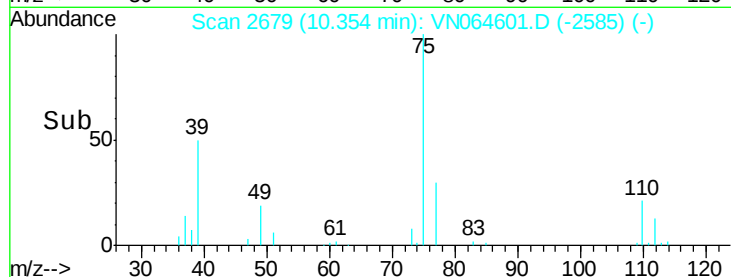
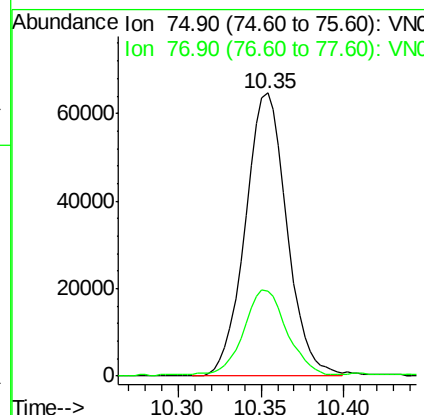
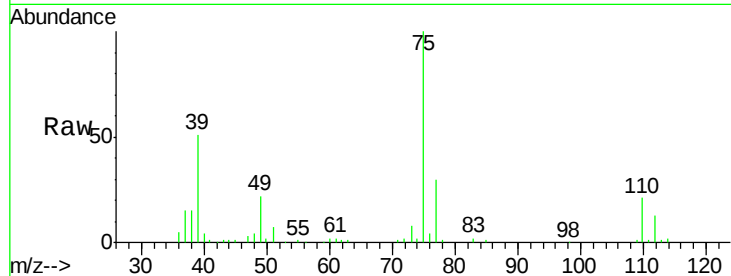
#53
t-1,3-Dichloropropene
Concen: 17.521 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion: 75 Resp: 113108
Ion Ratio Lower Upper
75 100
77 29.4 24.8 37.2

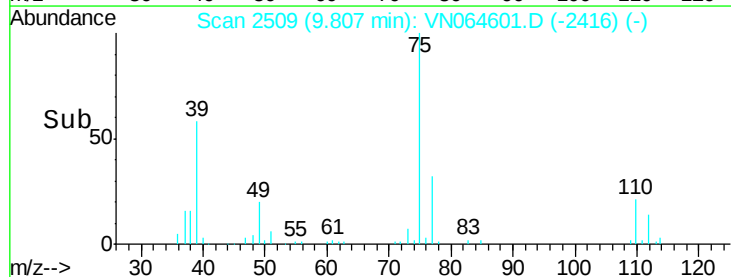
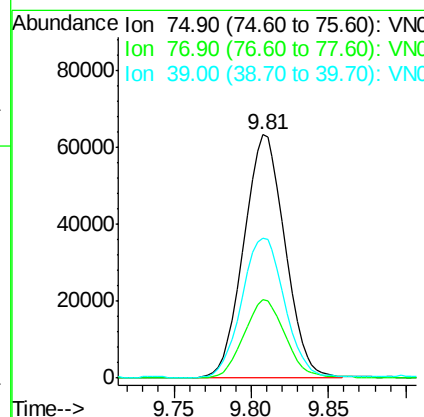
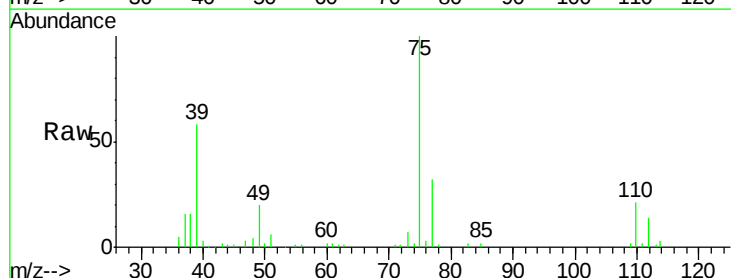
Manual Integrations
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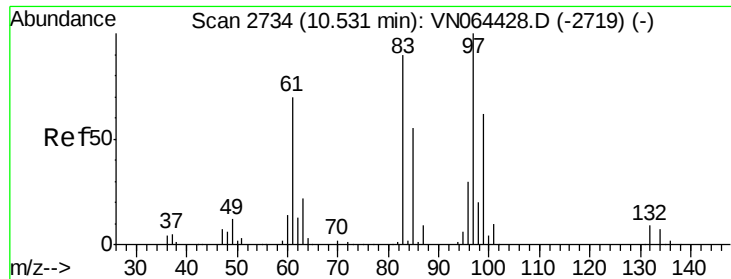
MMDadoda
11/13/2020 11:43:10 AM



#54
cis-1,3-Dichloropropene
Concen: 17.085 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 75 Resp: 117922
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 57.2 47.1 70.7





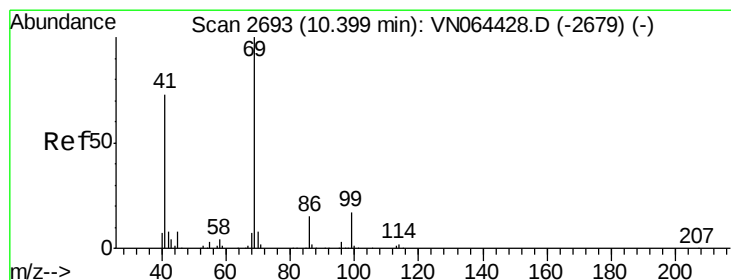
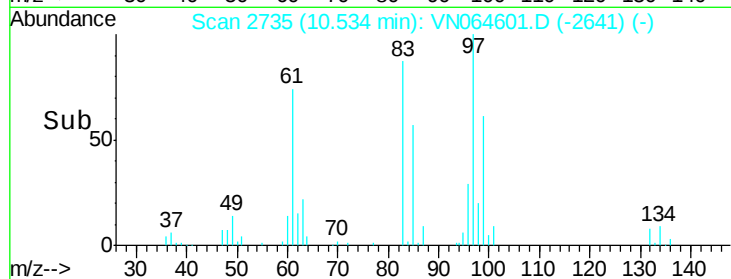
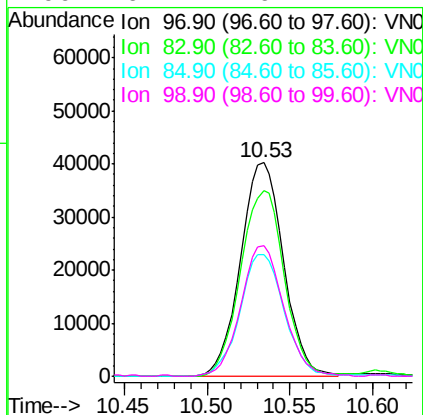
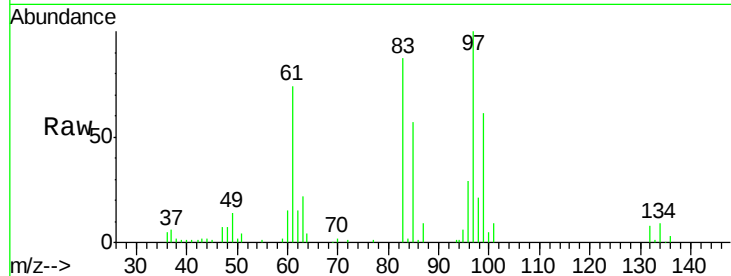
#55
 1,1,2-Trichloroethane
 Concen: 18.884 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion:	97	Resp:	72420
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.7	107.5
85	57.2	44.3	66.5
99	61.4	49.4	74.2

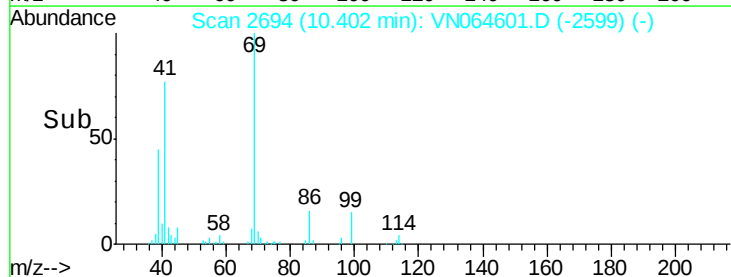
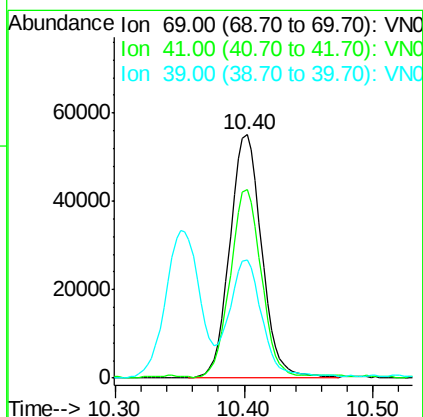
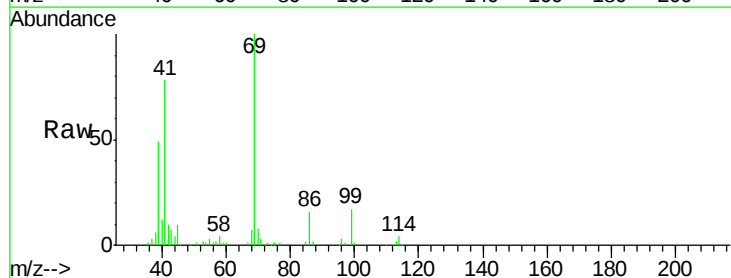
Manual Integrations
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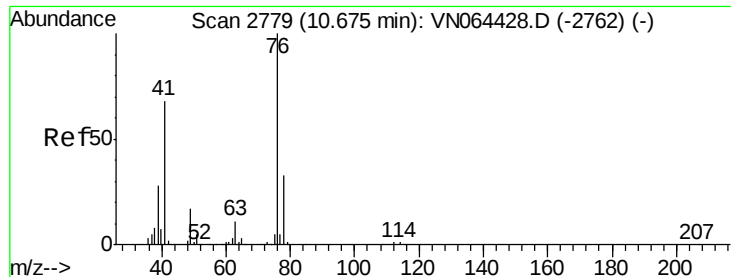
MMDadoda
 11/13/2020 11:43:10 AM



#56
 Ethyl methacrylate
 Concen: 16.352 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion:	69	Resp:	95059
Ion	Ratio	Lower	Upper
69	100		
41	74.9	59.3	88.9
39	48.4	35.4	53.0





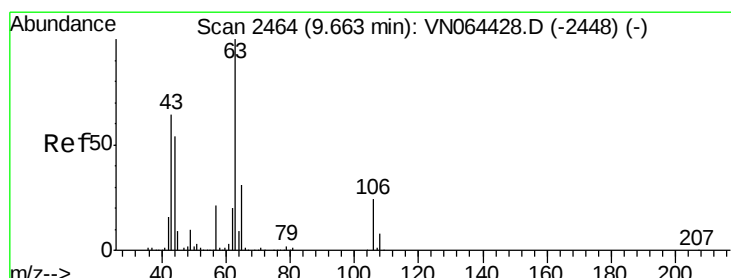
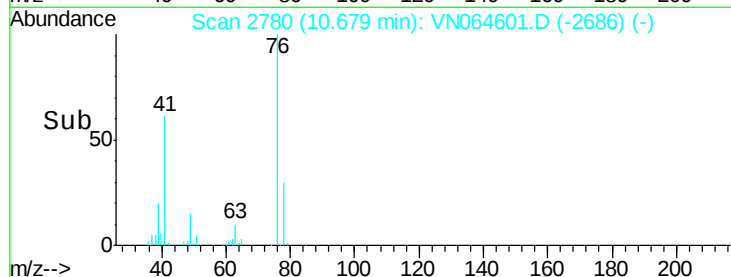
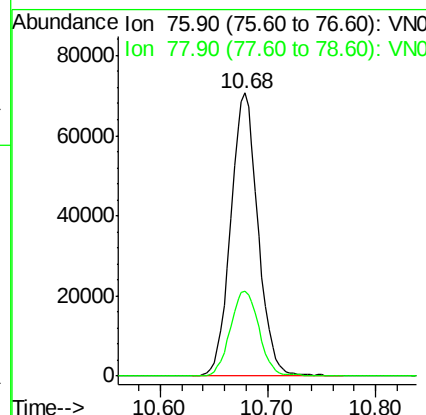
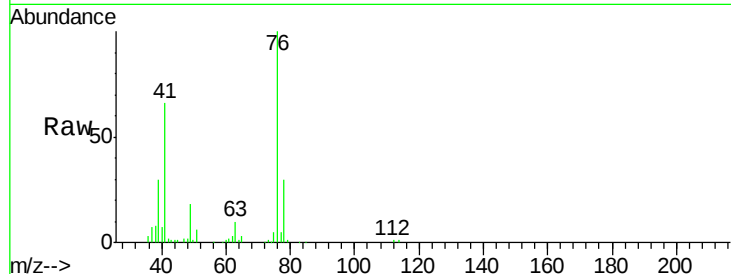
#57
 1,3-Dichloropropane
 Concen: 18.589 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

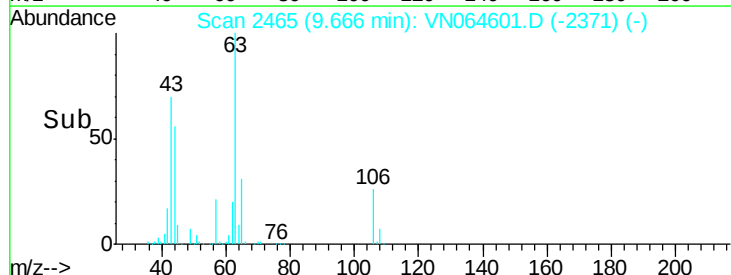
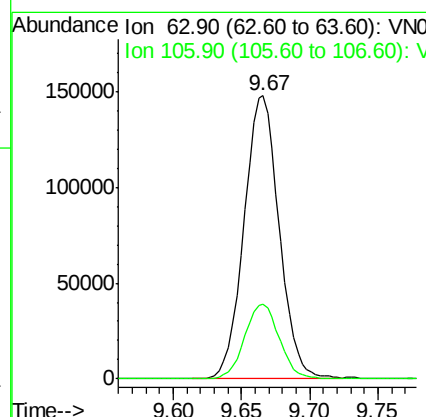
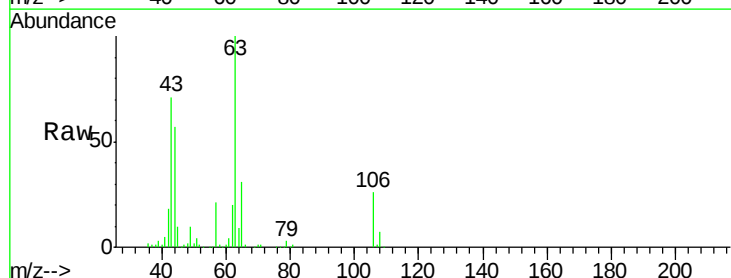
Manual Integrations
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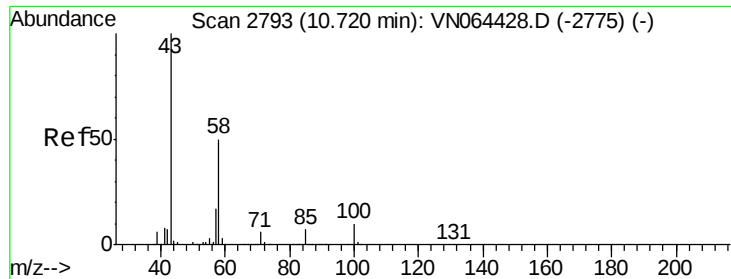
MMDadoda
 11/13/2020 11:43:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.447 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	19.5	29.3





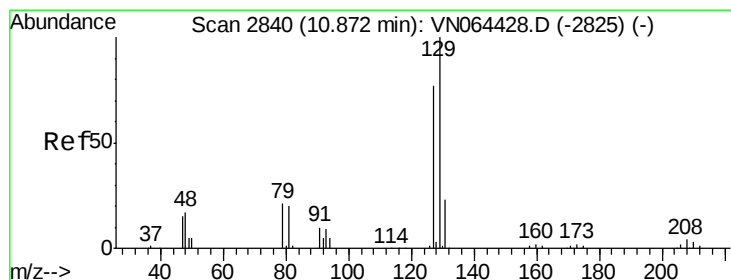
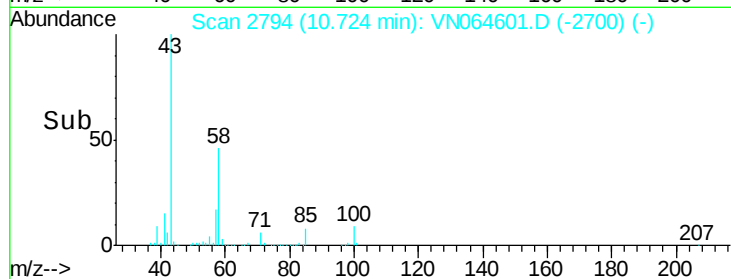
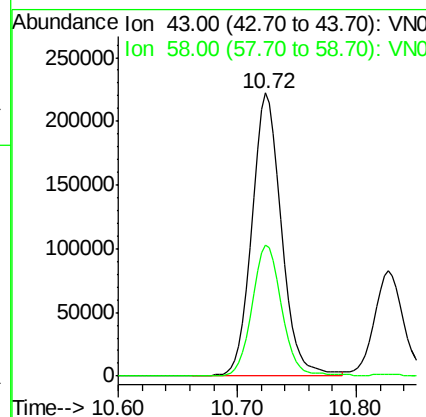
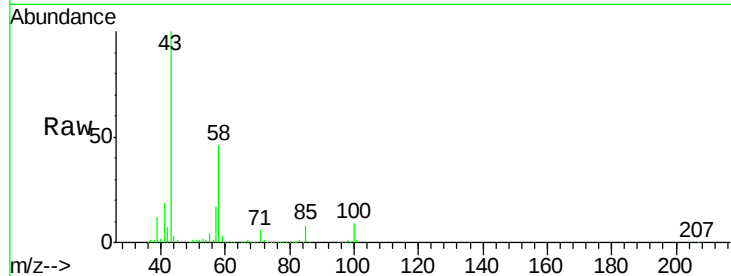
#59
2-Hexanone
Concen: 92.128 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion: 43 Resp: 378618
Ion Ratio Lower Upper
43 100
58 47.1 24.7 74.1

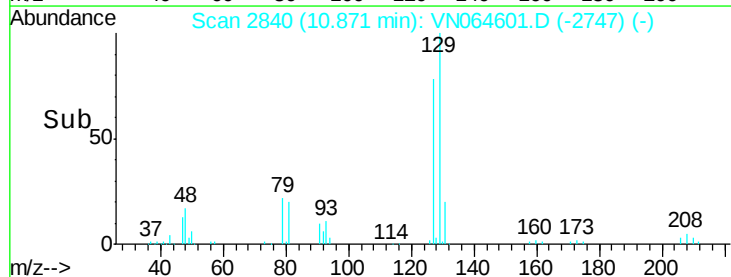
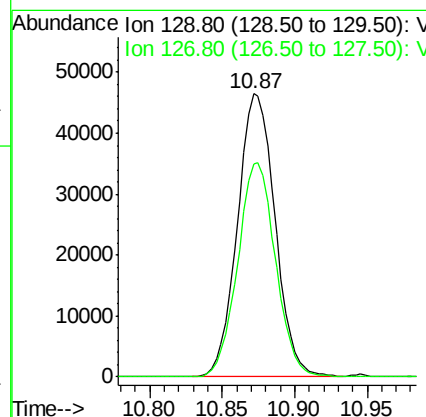
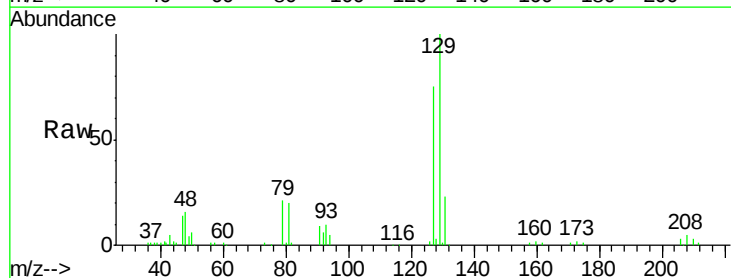
Manual Integrations
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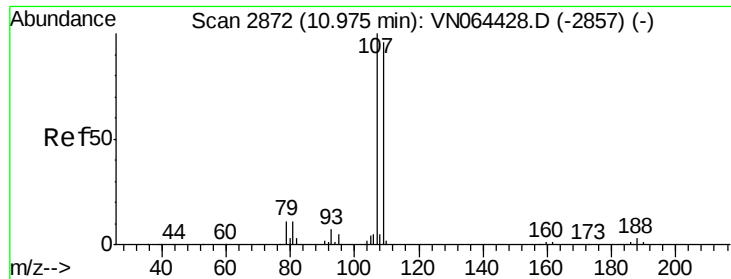
MMDadoda
11/13/2020 11:43:10 AM



#60
Dibromochloromethane
Concen: 19.543 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 129 Resp: 83910
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7





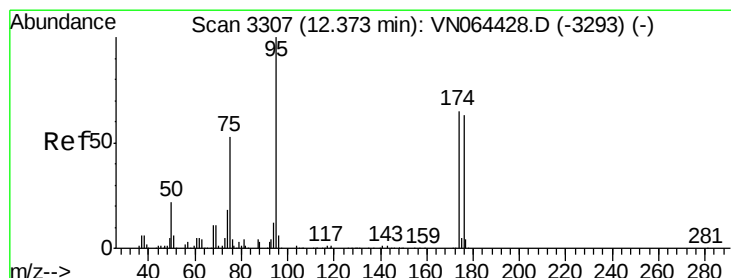
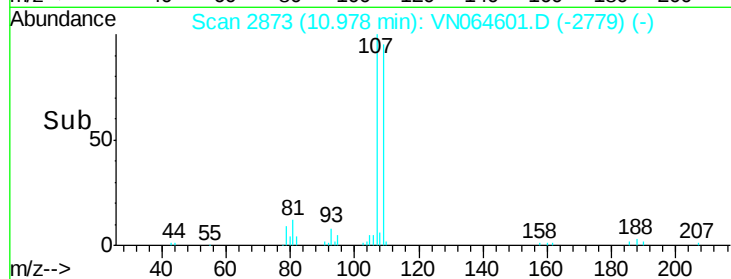
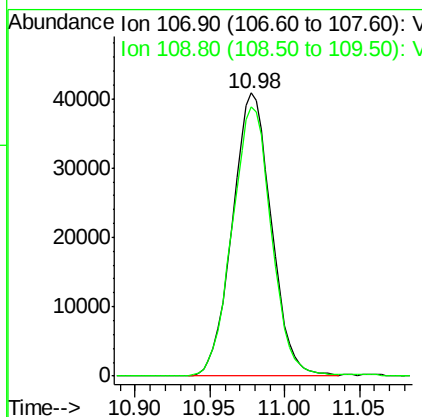
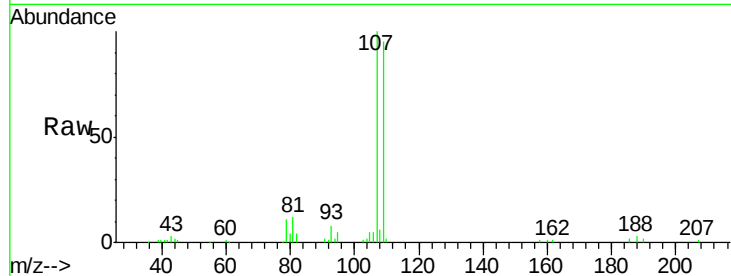
#61
 1,2-Dibromoethane
 Concen: 19.016 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion: 107 Resp: 73971
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.9 113.9

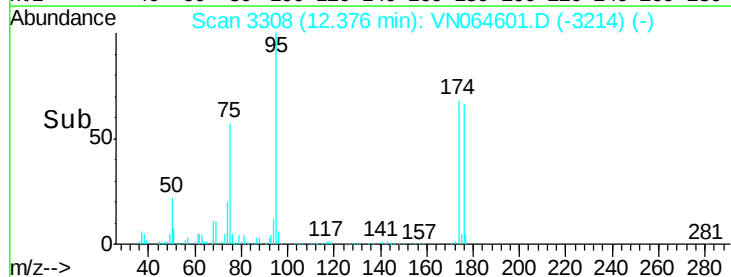
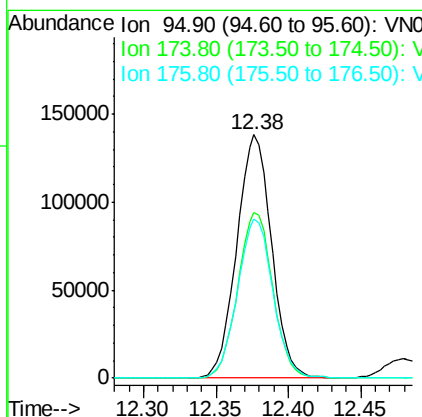
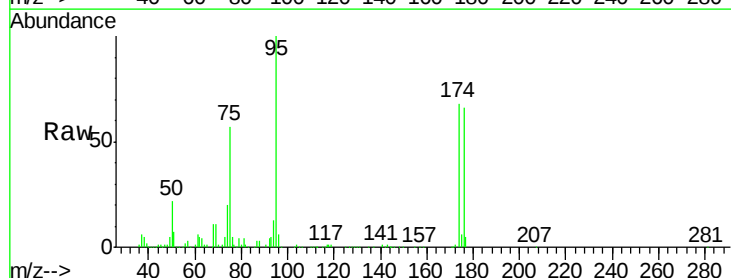
Manual Integrations
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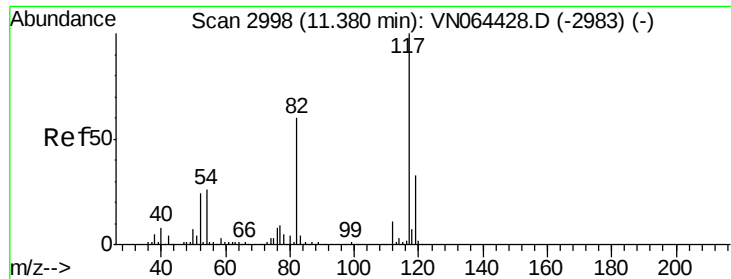
MMDadoda
 11/13/2020 11:43:10 AM



#62
 4-Bromofluorobenzene
 Concen: 44.586 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion: 95 Resp: 230455
 Ion Ratio Lower Upper
 95 100
 174 68.6 0.0 132.6
 176 66.8 0.0 129.2





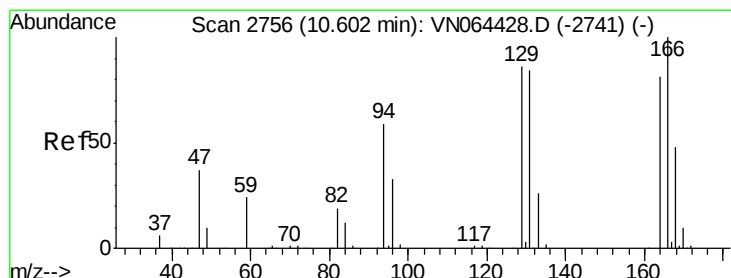
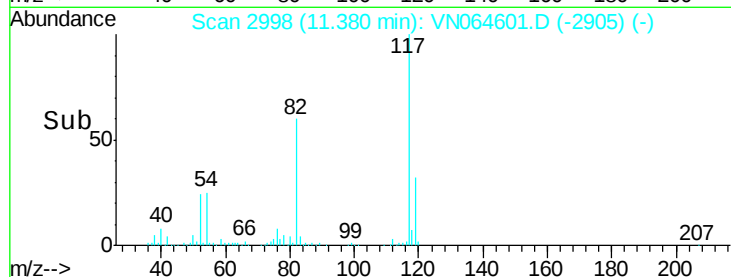
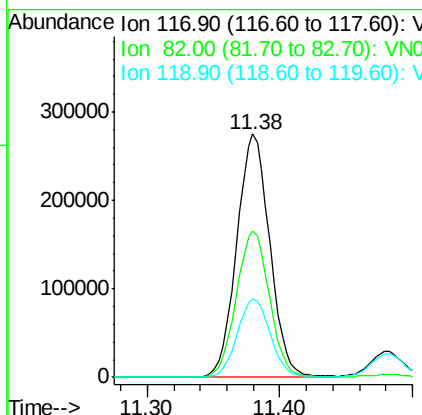
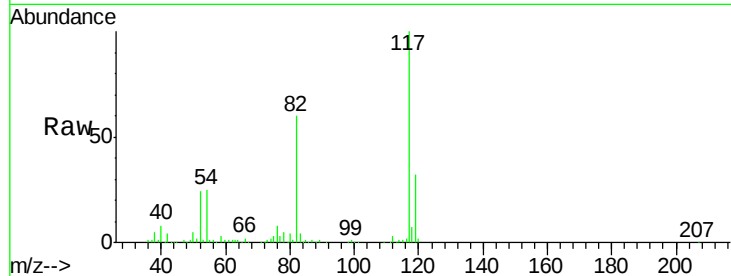
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	475946		
82	60.3		48.1	72.1
119	32.1		26.2	39.4

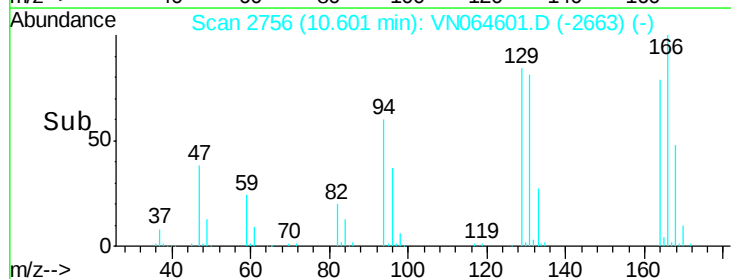
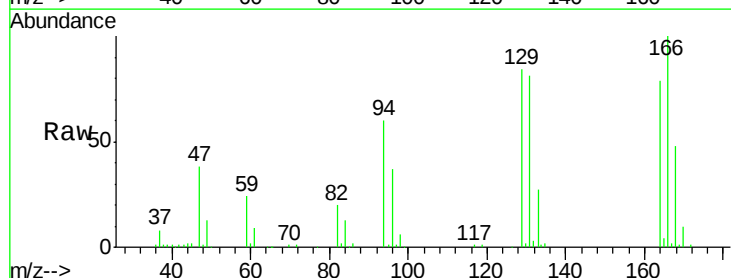
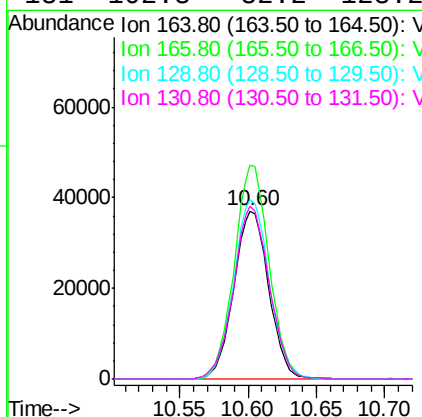
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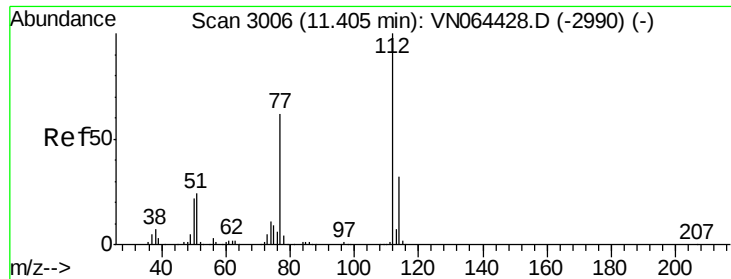
MMDadoda
11/13/2020 11:43:10 AM



#64
Tetrachloroethene
Concen: 17.935 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65752		
166	126.9		98.2	147.2
129	106.7		84.6	127.0
131	102.3		82.2	123.2





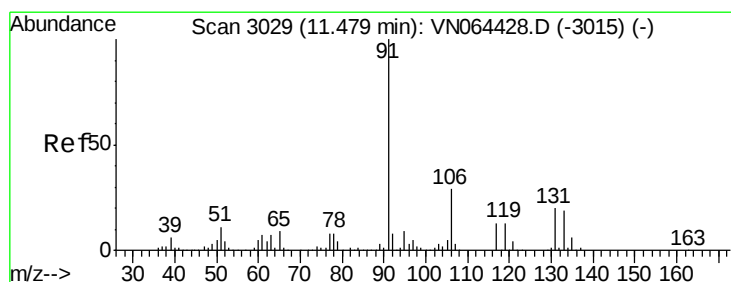
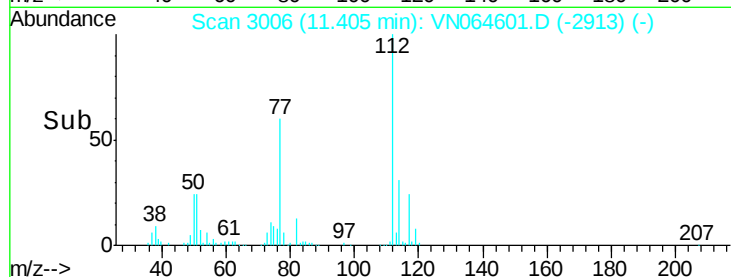
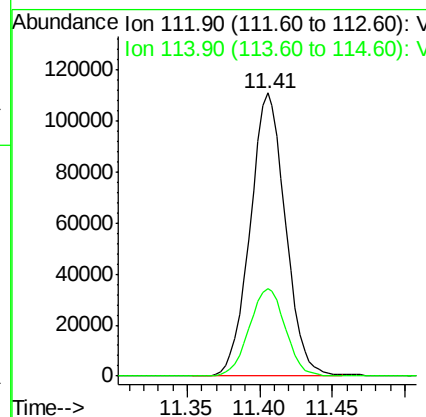
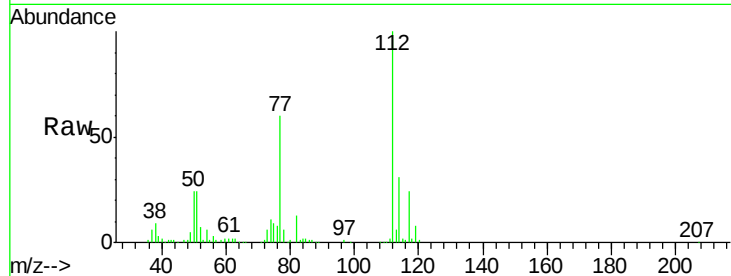
#65
Chlorobenzene
Concen: 18.037 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion:112 Resp: 188194
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4

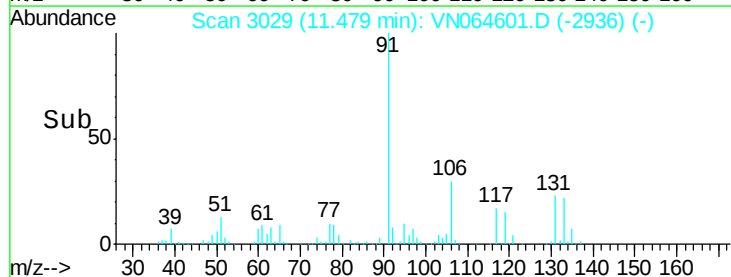
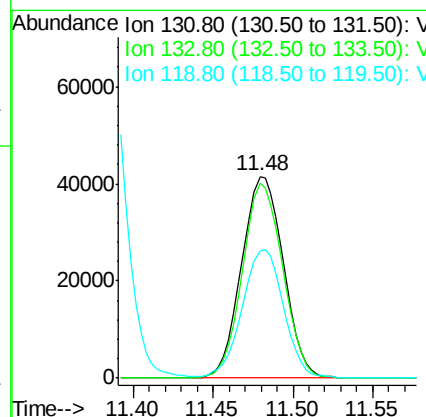
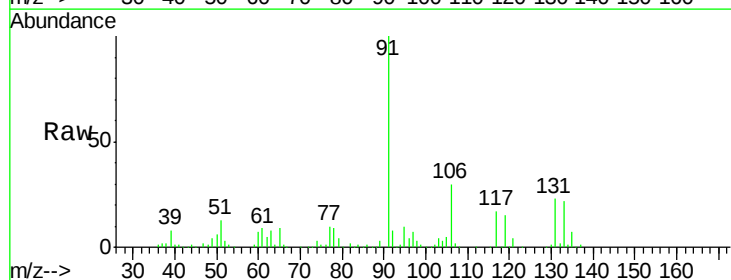
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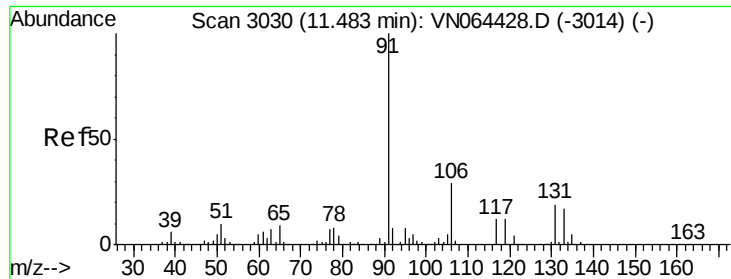
MMDadoda
11/13/2020 11:43:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.995 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion:131 Resp: 73936
Ion Ratio Lower Upper
131 100
133 93.2 46.9 140.7
119 63.3 32.1 96.5





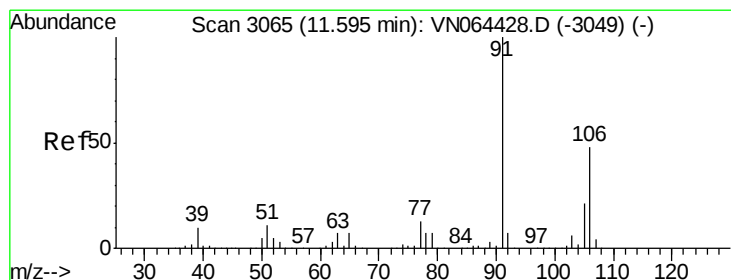
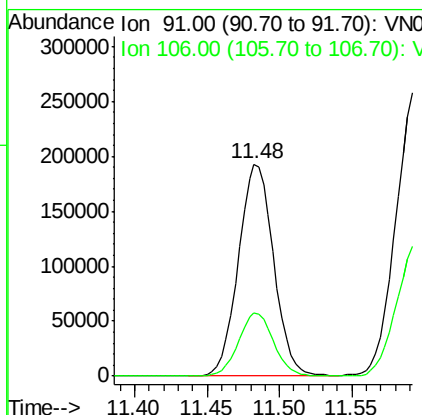
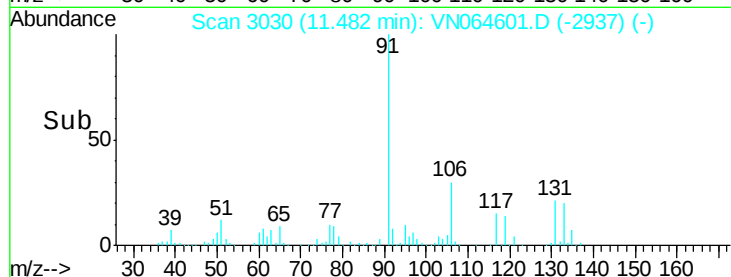
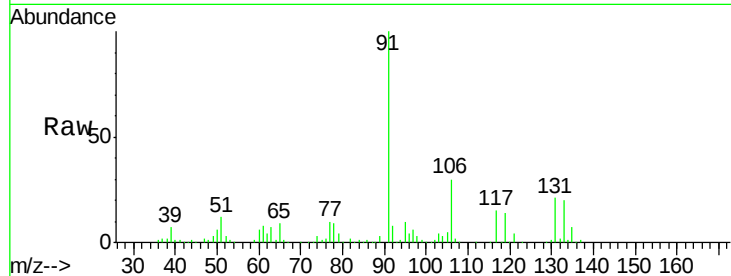
#67
Ethyl Benzene
Concen: 17.547 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion: 91 Resp: 325653
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

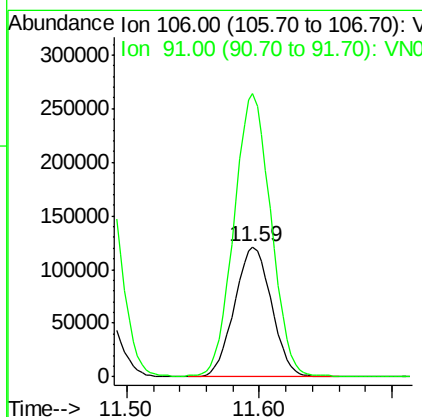
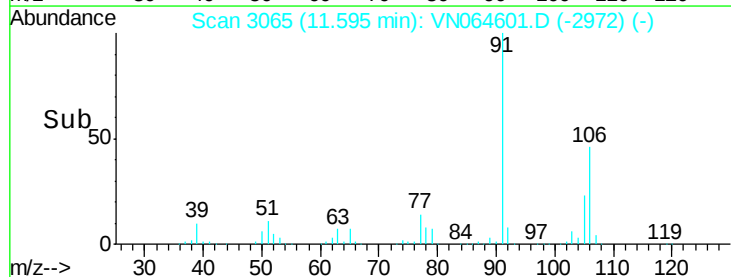
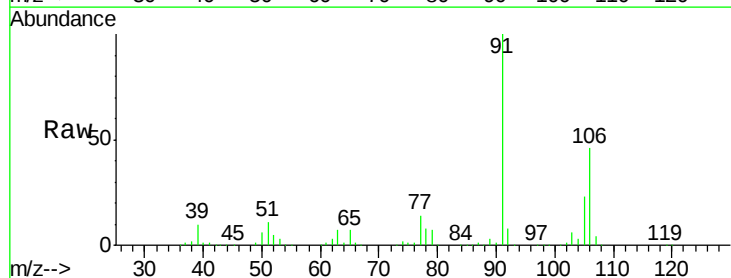
Manual Integrations
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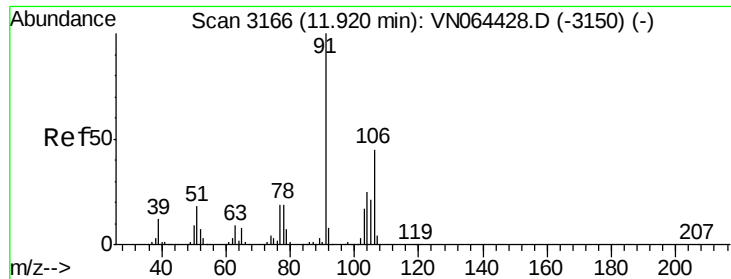
MMDadoda
11/13/2020 11:43:10 AM



#68
m/p-Xylenes
Concen: 34.821 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion: 106 Resp: 234364
Ion Ratio Lower Upper
106 100
91 216.5 169.4 254.2





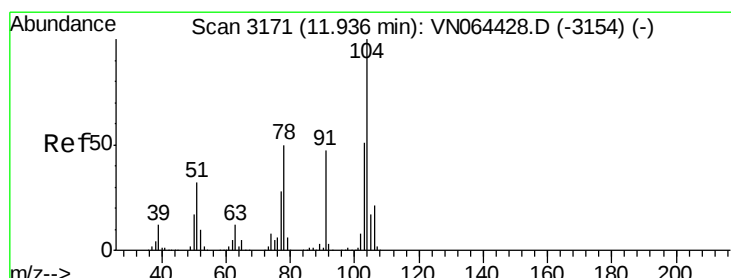
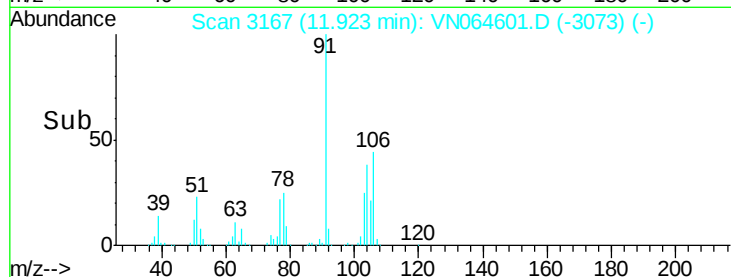
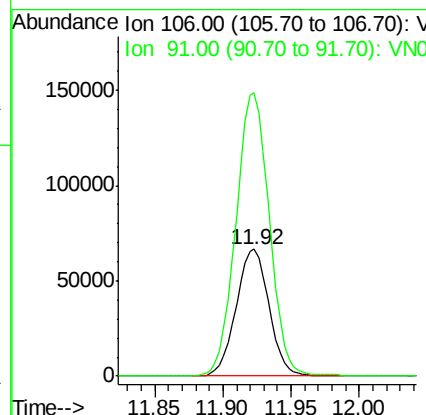
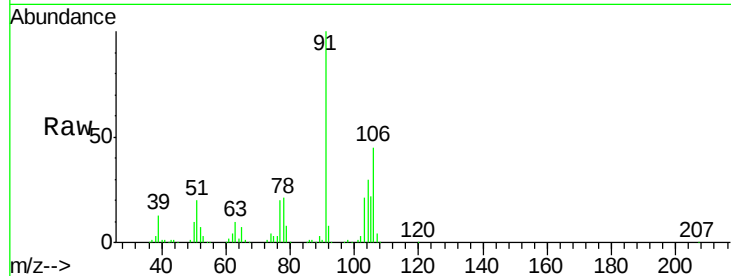
#69
o-Xylene
Concen: 17.200 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion:106 Resp: 111867
Ion Ratio Lower Upper
106 100
91 225.6 111.7 334.9

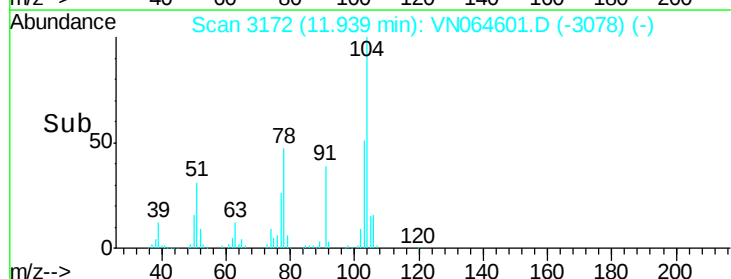
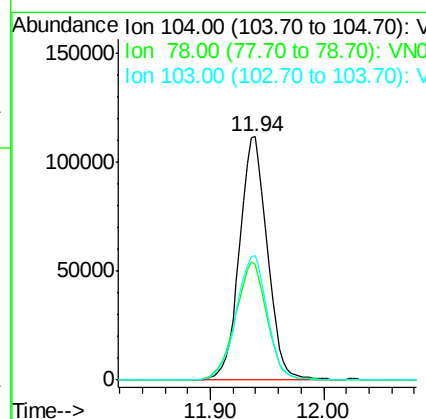
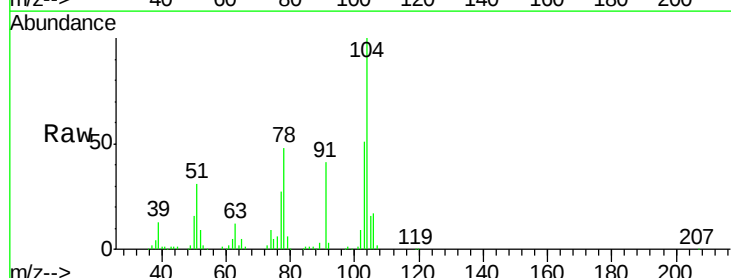
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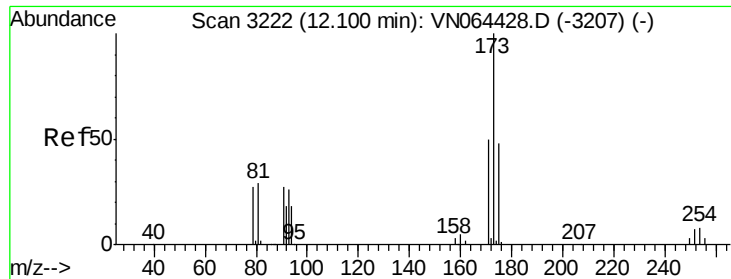
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#70
Styrene
Concen: 17.558 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion:104 Resp: 192161
Ion Ratio Lower Upper
104 100
78 54.3 44.0 66.0
103 56.9 43.8 65.6





#71

Bromoform

Concen: 18.879 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion:173 Resp: 52798

Ion Ratio Lower Upper

173 100

175 50.0 23.7 71.1

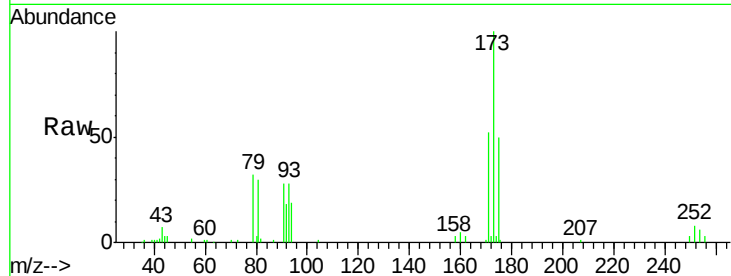
254 0.0 0.0 0.0

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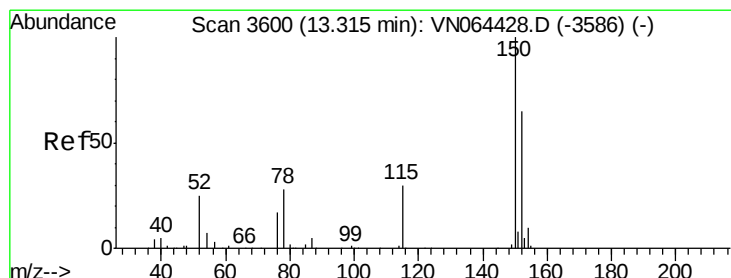
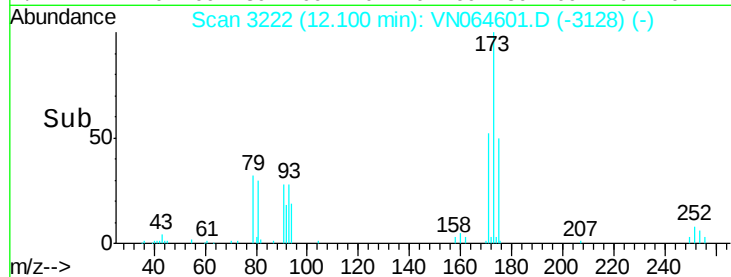
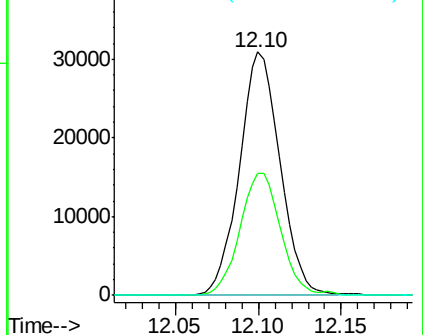
11/13/2020 11:43:10 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

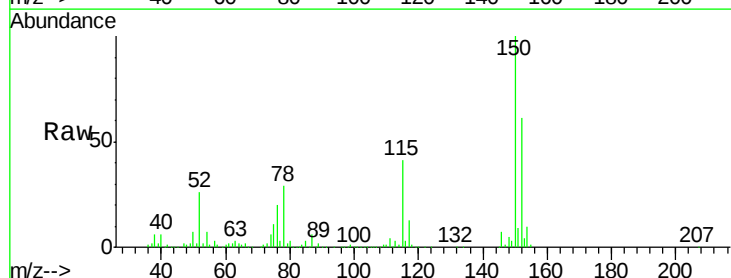
Tgt Ion:152 Resp: 211780

Ion Ratio Lower Upper

152 100

115 64.4 32.0 96.0

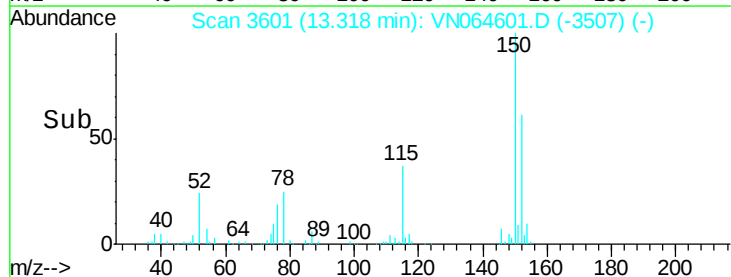
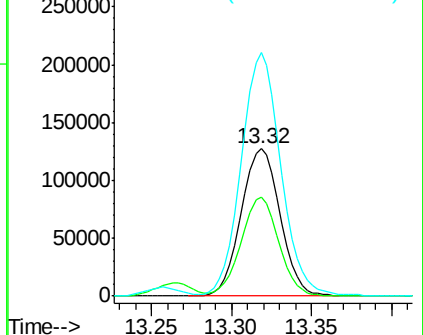
150 167.4 0.0 353.8

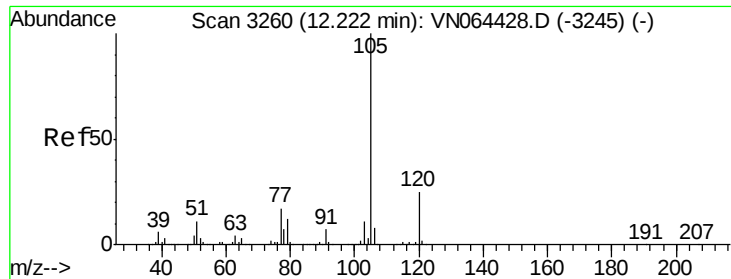


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.426 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion: 105 Resp: 293338

Ion Ratio Lower Upper

105 100

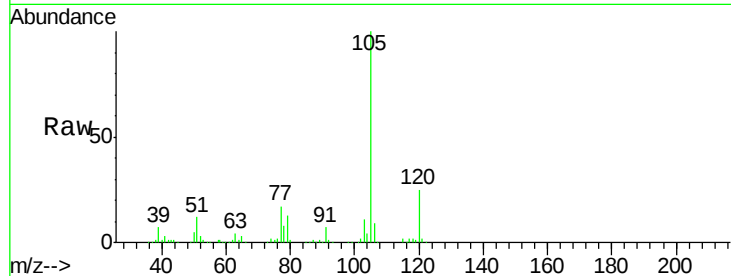
120 25.6 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

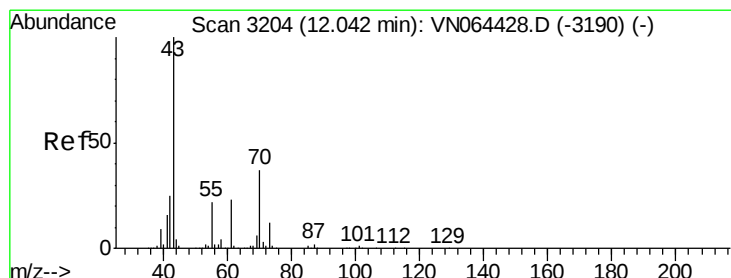
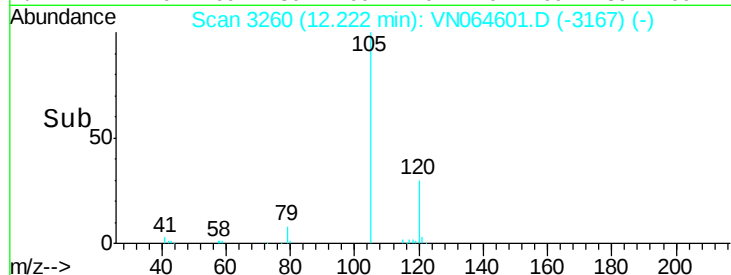
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 16.644 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion: 43 Resp: 129103

Ion Ratio Lower Upper

43 100

70 36.1 29.6 44.4

55 24.8 18.4 27.6

61 21.0 17.8 26.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

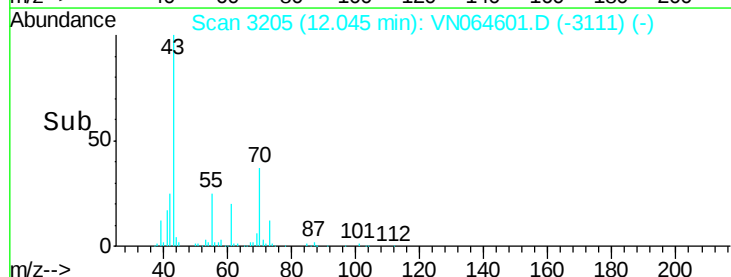
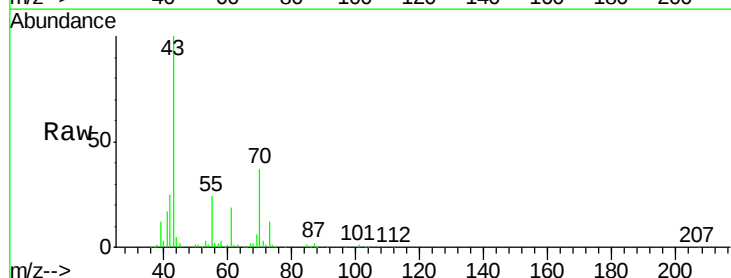
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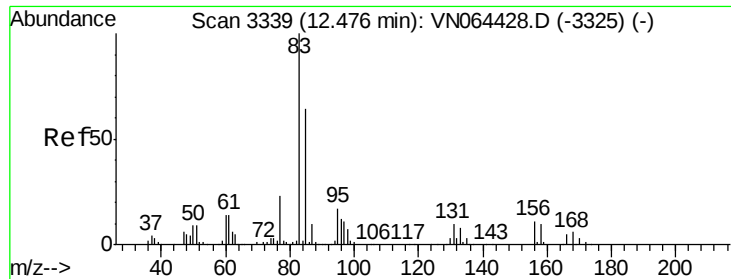
20000

0

12.00 12.10

Time-->





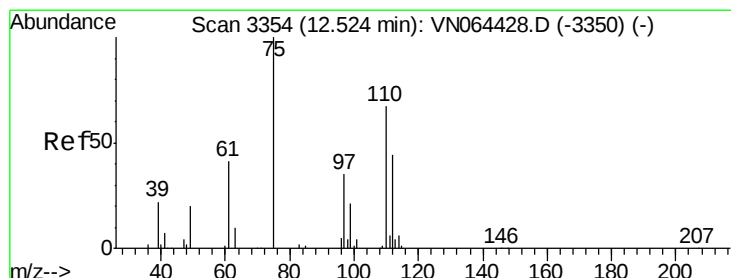
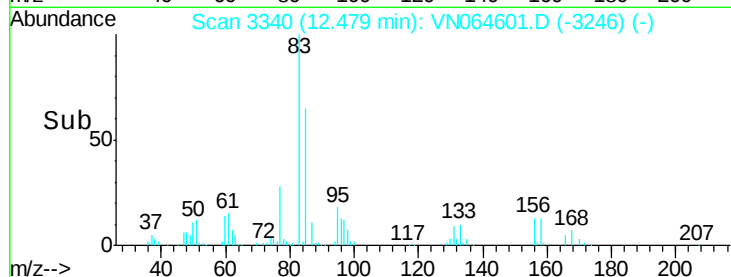
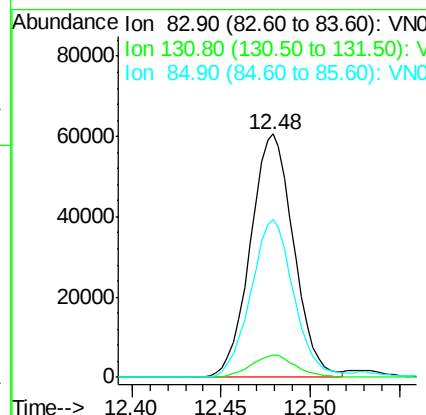
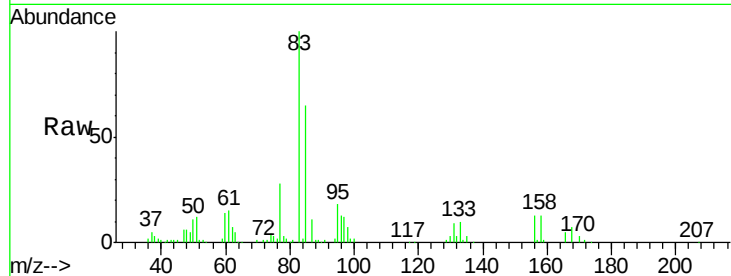
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.921 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	64.4	32.1	96.5

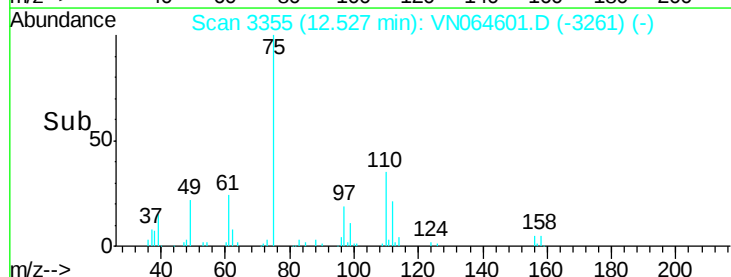
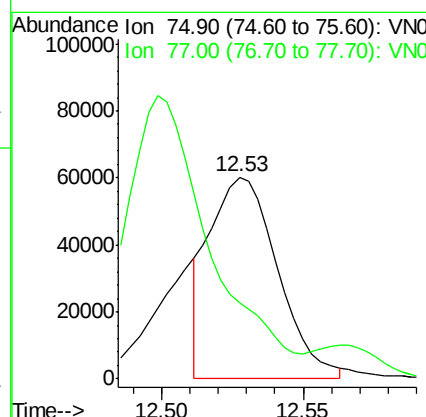
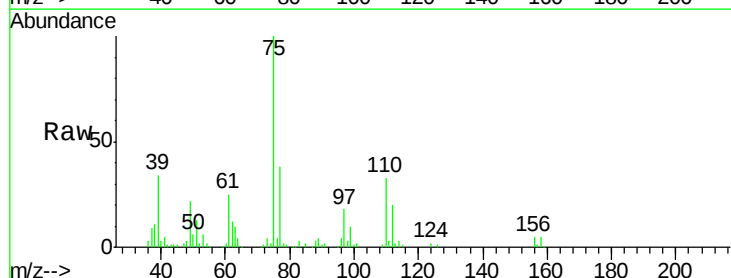
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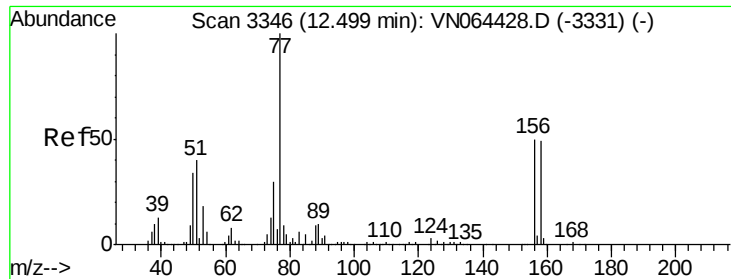
MMDadoda
 11/13/2020 11:43:10 AM



#76
 1,2,3-Trichloropropane
 Concen: 19.578 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





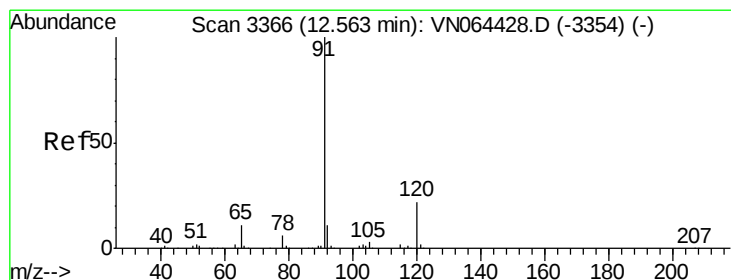
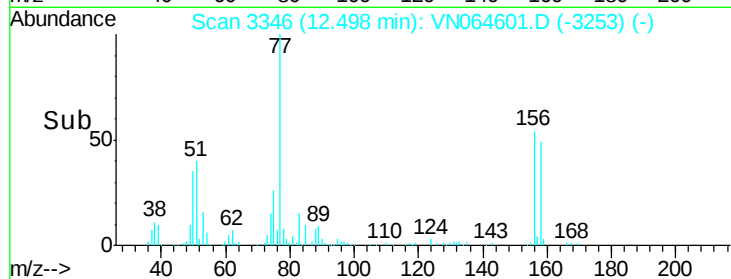
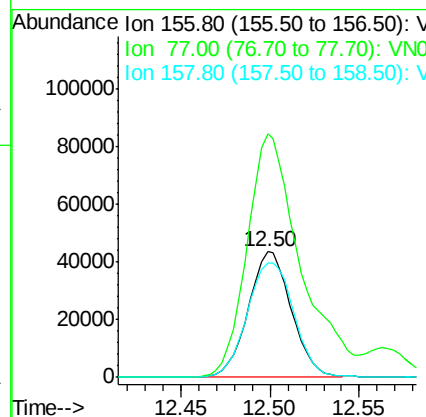
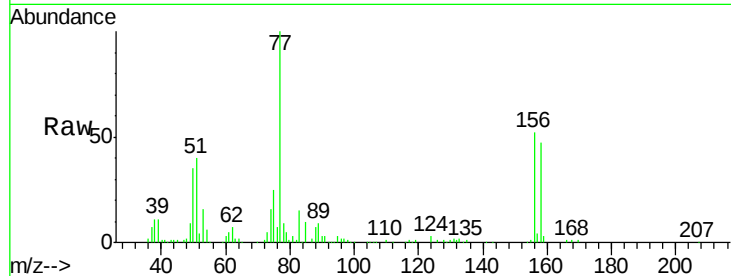
#77
Bromobenzene
Concen: 17.900 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	241.6	119.0	357.0
158	99.4	48.4	145.3

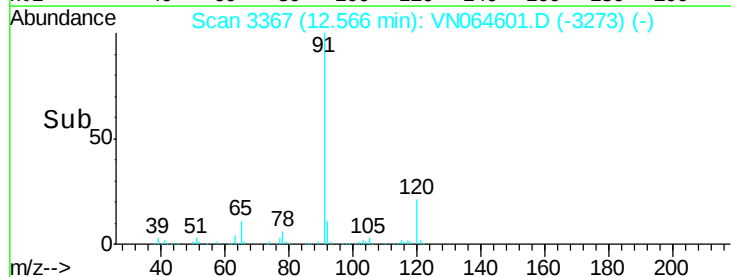
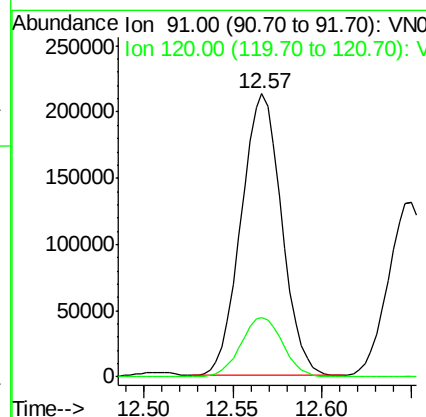
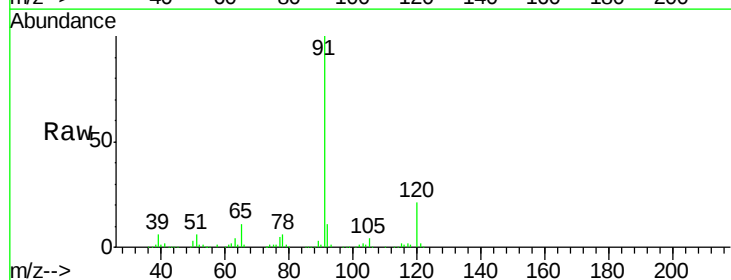
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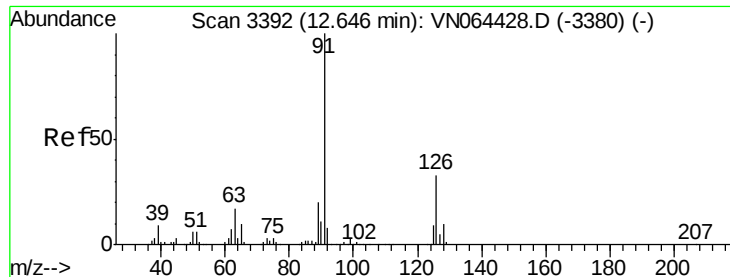
MMDadoda
11/13/2020 11:43:10 AM



#78
n-propylbenzene
Concen: 17.609 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0





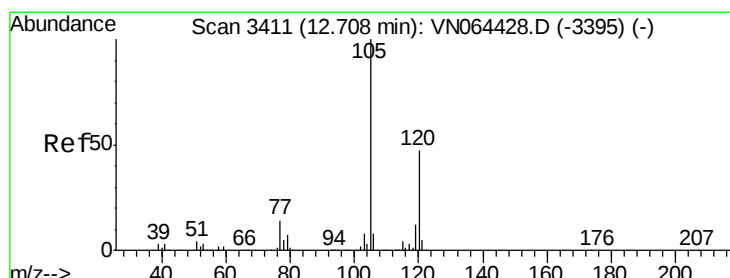
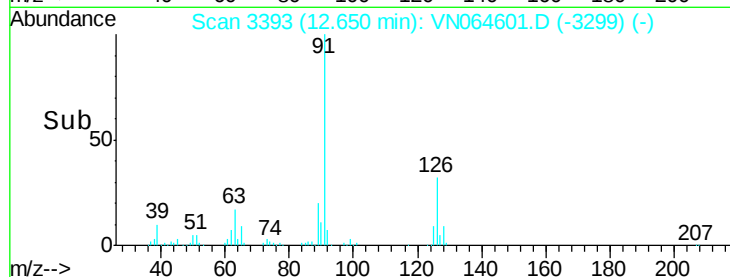
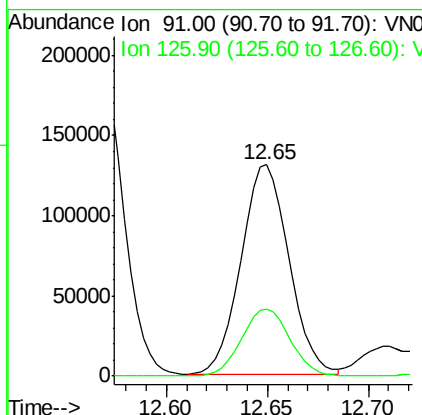
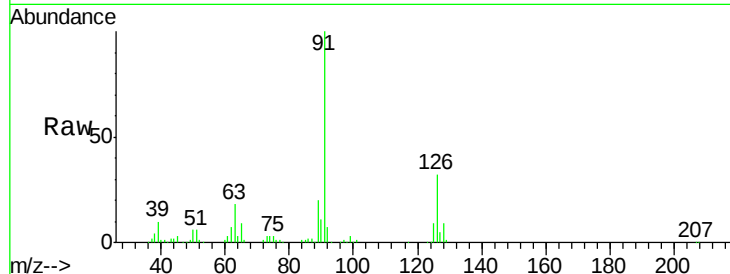
#79
 2-Chlorotoluene
 Concen: 17.981 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion: 91 Resp: 218863
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.1

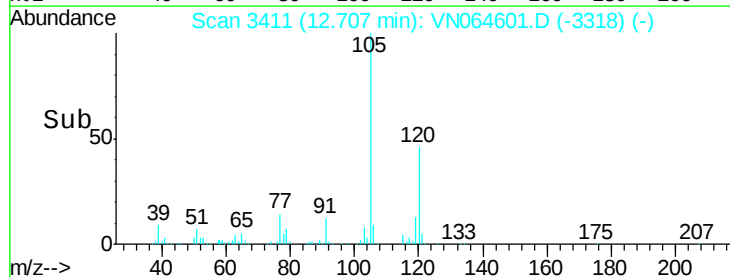
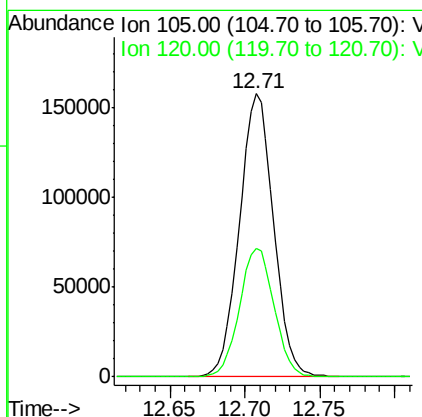
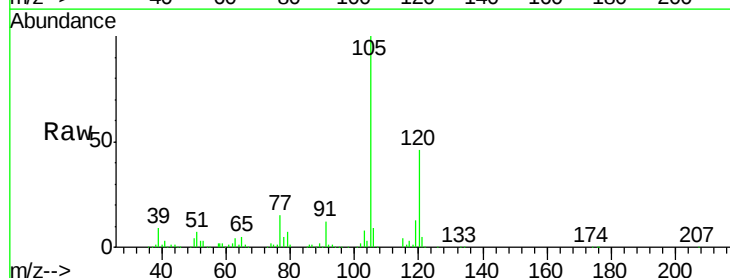
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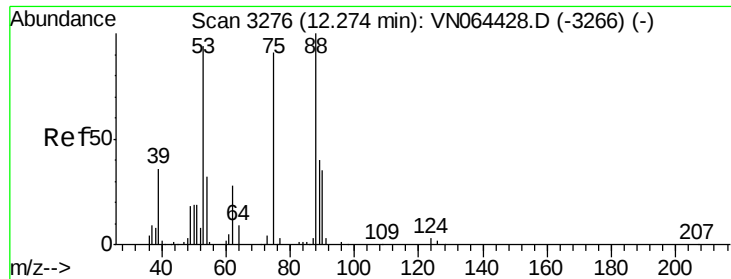
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.067 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion: 105 Resp: 250887
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.249 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD02

Tot Ion: 75 Resp: 31699

Ion Ratio Lower Upper

75 100

53 114.8 84.0 126.0

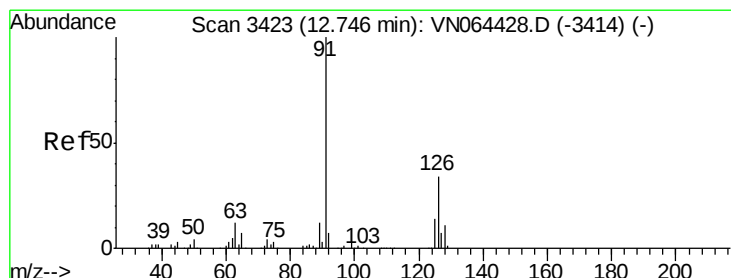
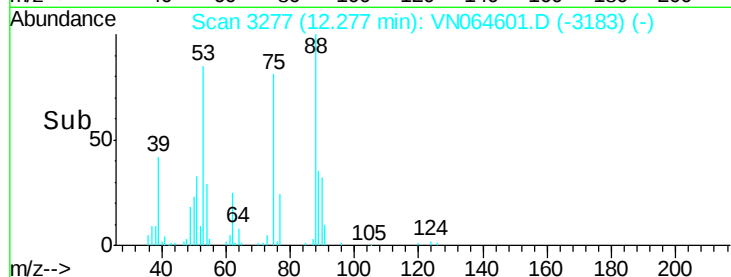
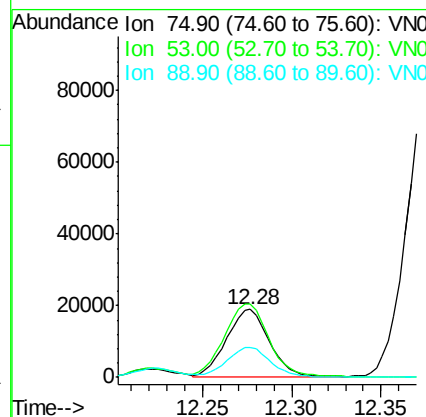
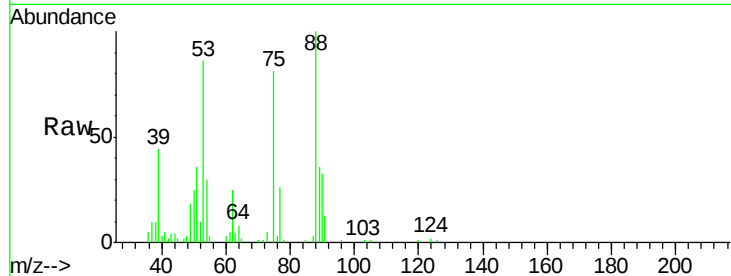
89 45.1 36.3 54.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 17.717 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064601.D

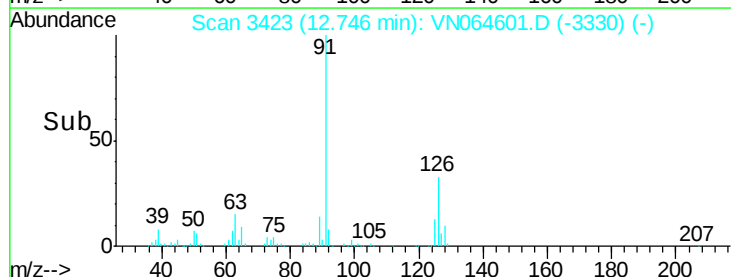
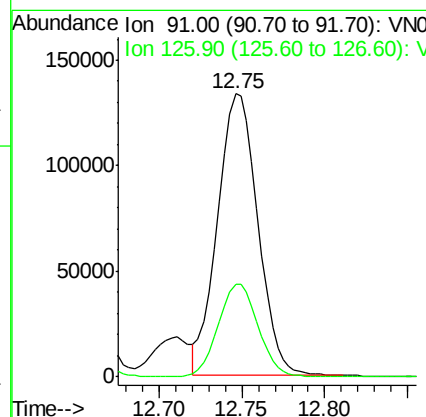
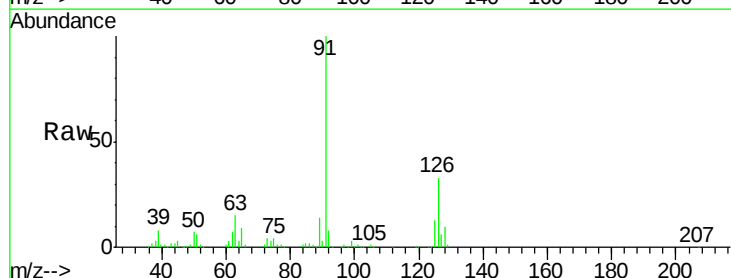
Acq: 13 Nov 2020 00:31

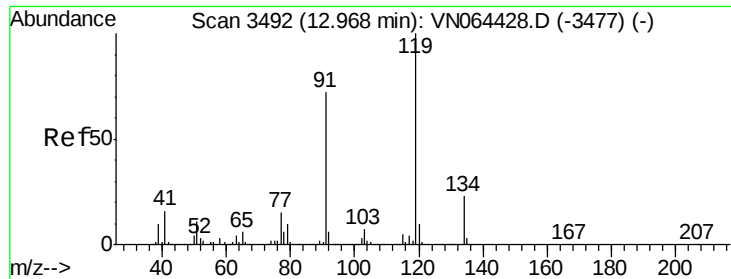
Tgt Ion: 91 Resp: 225831

Ion Ratio Lower Upper

91 100

126 32.5 15.4 46.2





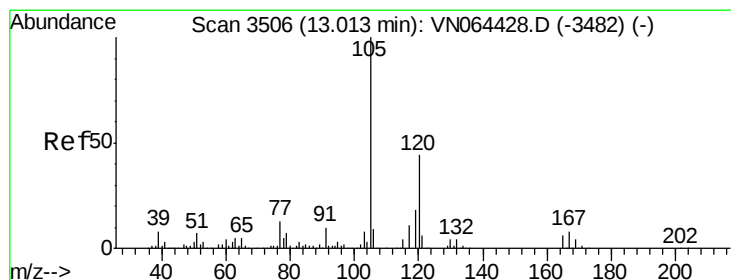
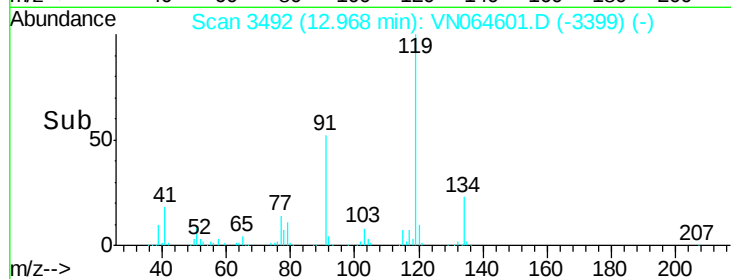
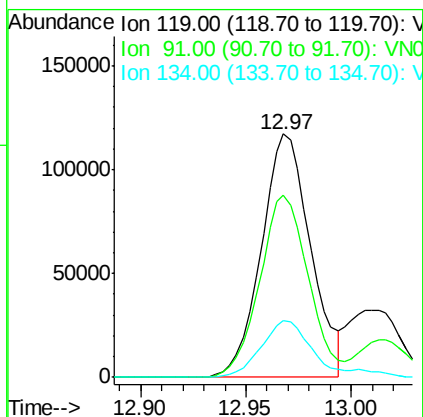
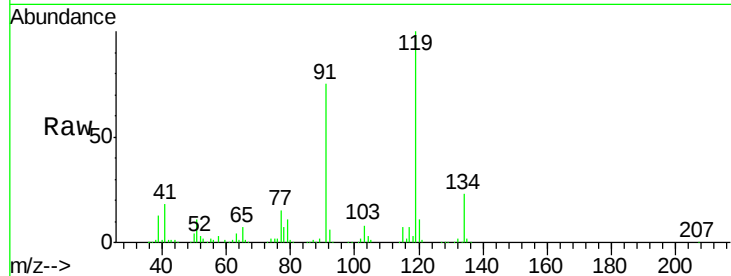
#83
tert-Butylbenzene
Concen: 17.554 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	36.1	108.3
134	25.6	11.7	35.1

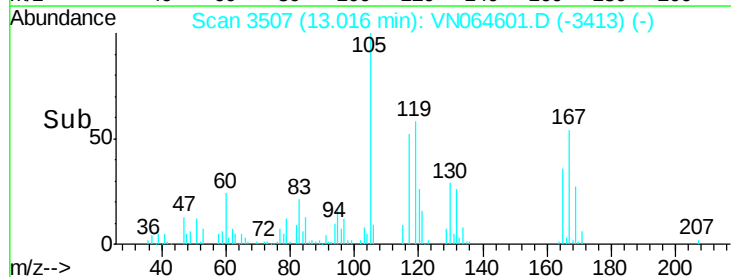
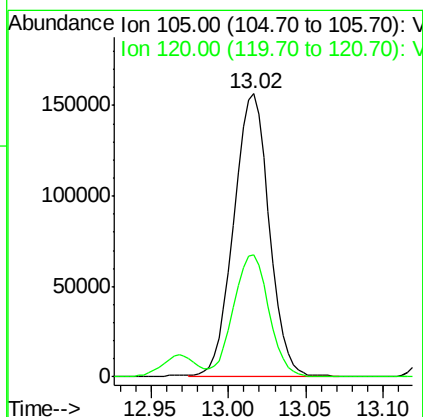
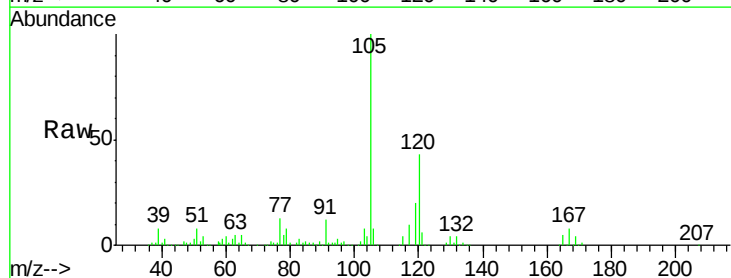
Manual Integrations
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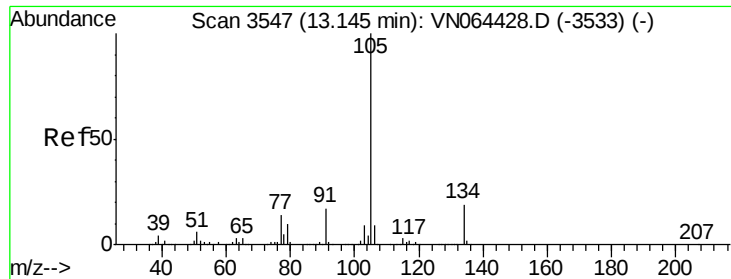
MMDadoda
11/13/2020 11:43:10 AM



#84
1,2,4-Trimethylbenzene
Concen: 17.723 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7





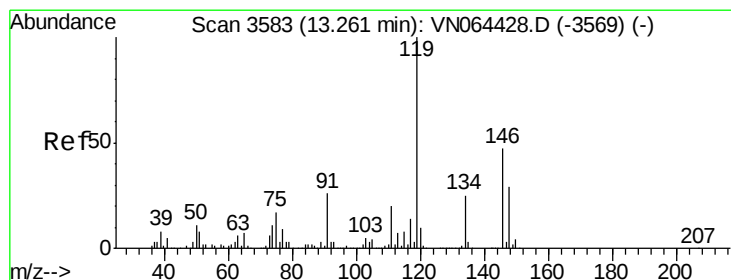
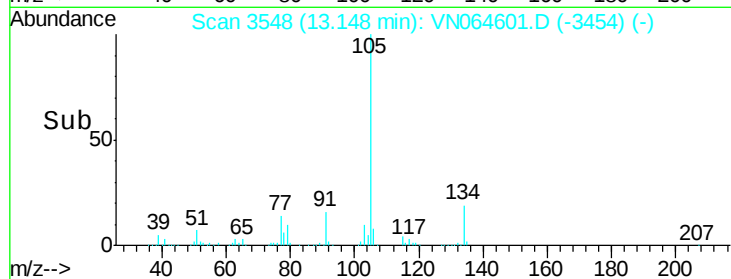
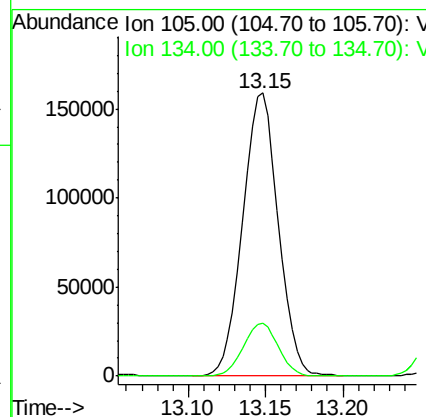
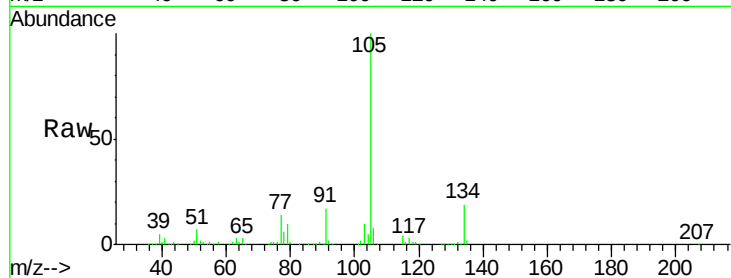
#85
 sec-Butylbenzene
 Concen: 18.470 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	253697		
134	18.6	9.4	28.2	

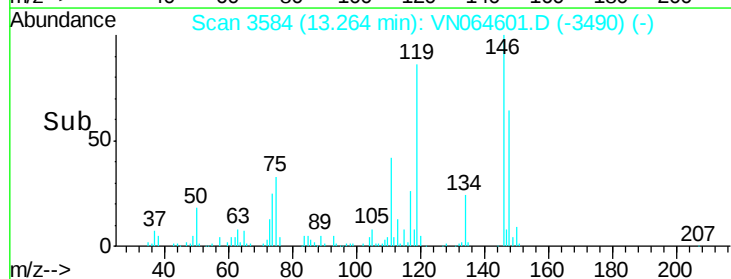
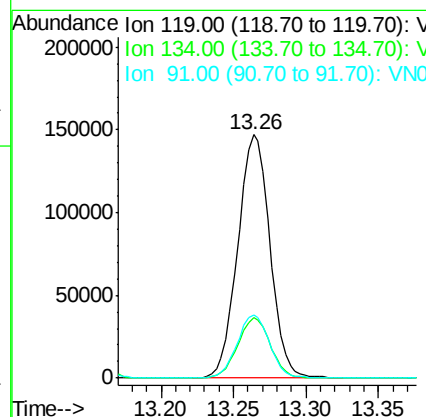
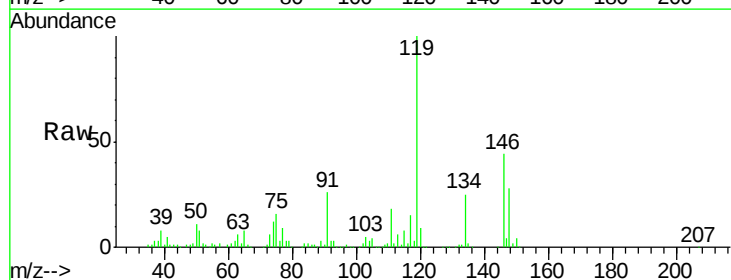
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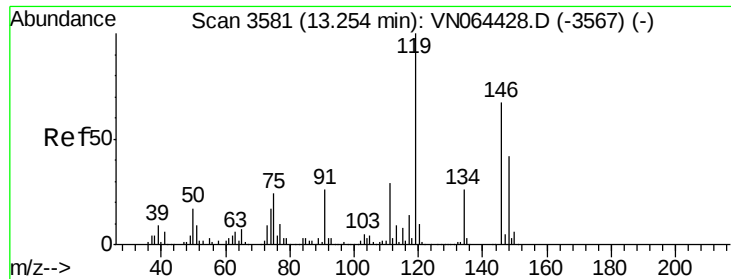
MMDadoda
 11/13/2020 11:43:10 AM



#86
 p-Isopropyltoluene
 Concen: 18.368 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226943		
134	25.2	12.6	37.6	
91	25.6	12.8	38.3	





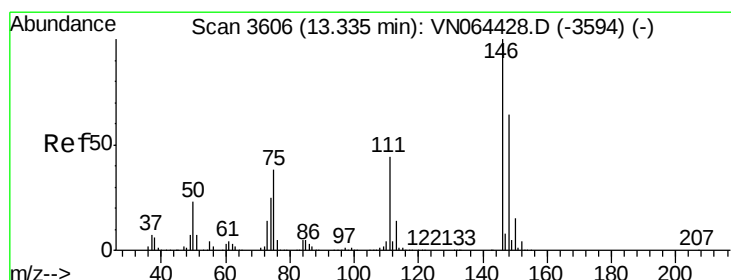
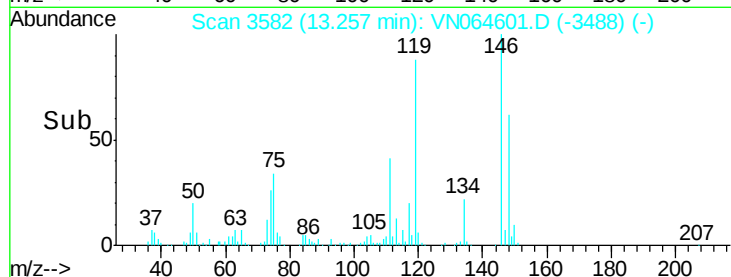
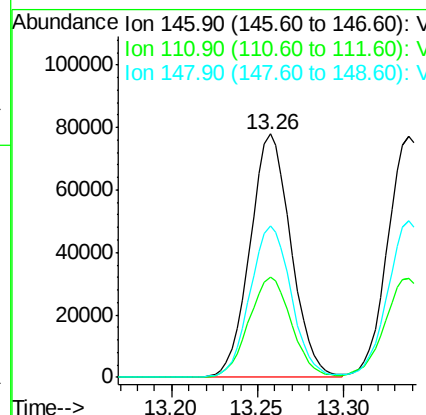
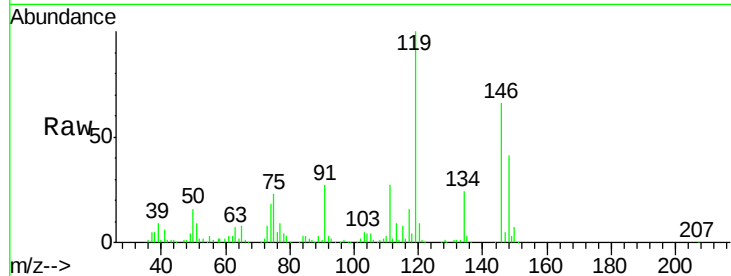
#87
 1,3-Dichlorobenzene
 Concen: 18.175 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	129117		
111	42.7	22.1	66.1	
148	62.6	31.7	95.1	

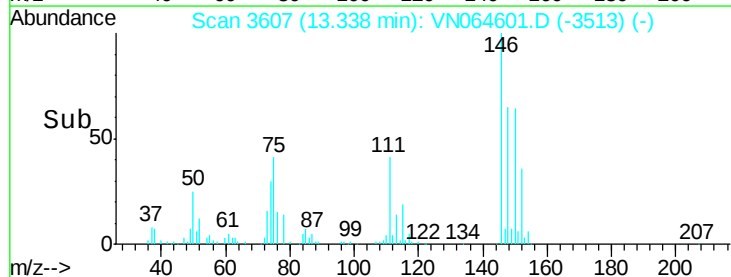
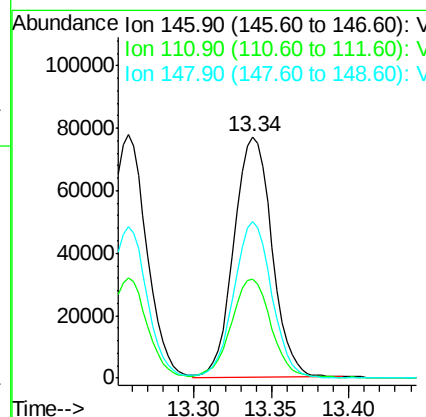
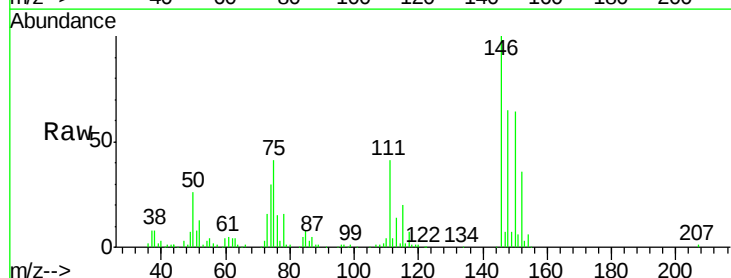
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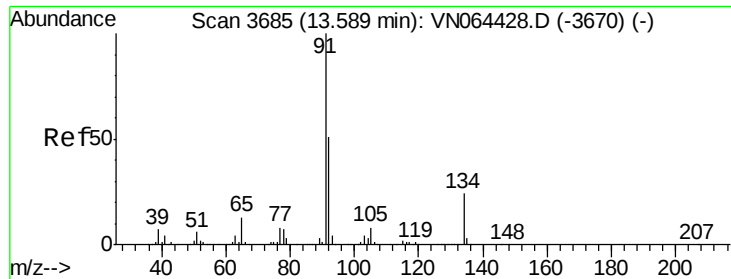
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 11/13/2020 11:43:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.940 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	131708		
111	42.1	21.8	65.3	
148	64.3	32.4	97.2	





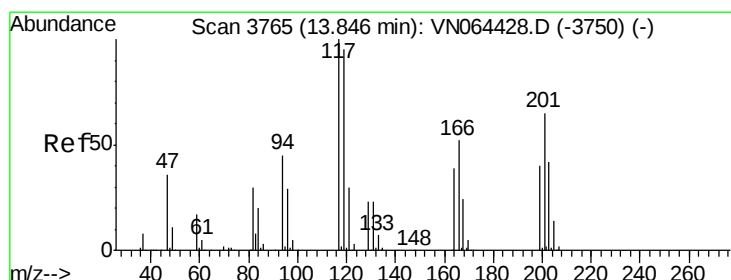
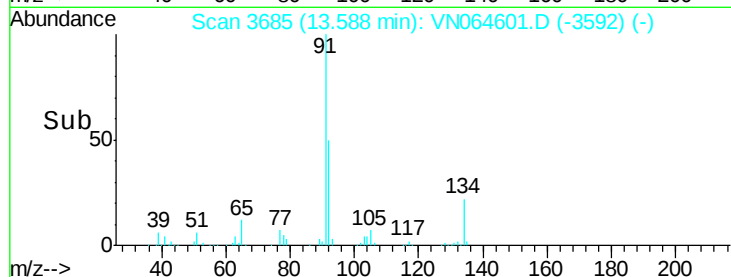
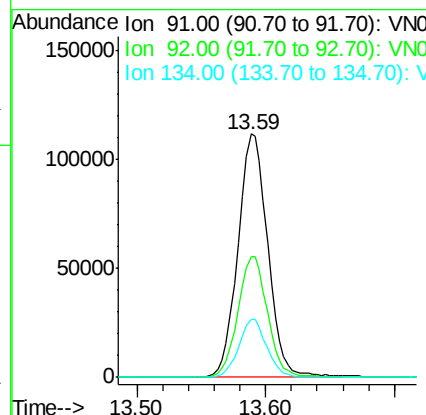
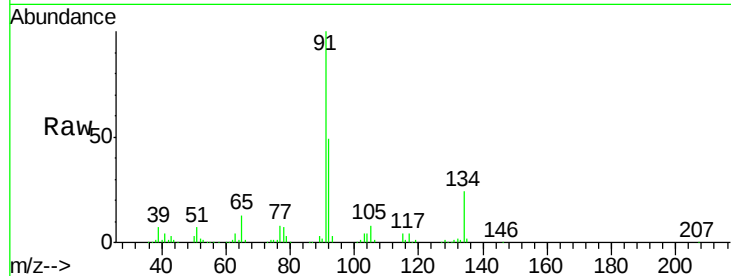
#89
n-Butylbenzene
Concen: 16.926 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.3	25.3	75.9
134	22.5	11.8	35.4

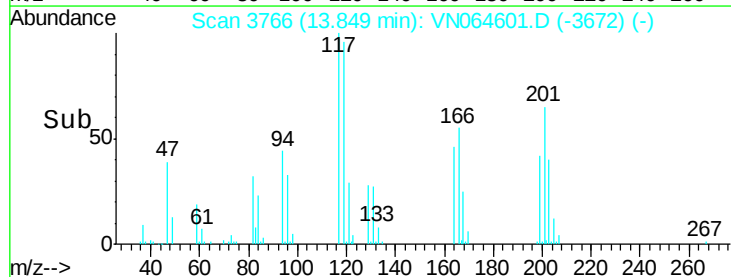
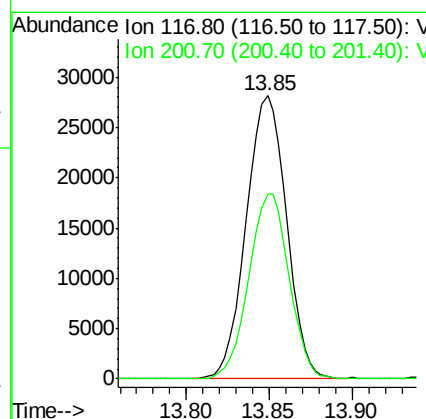
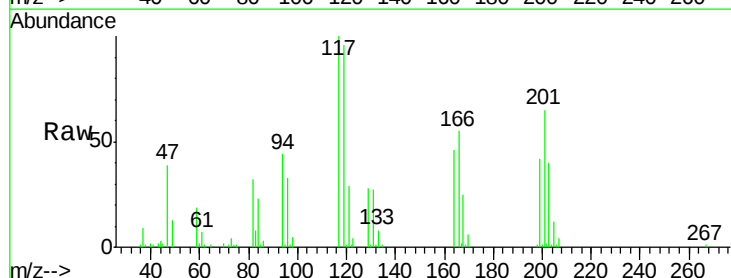
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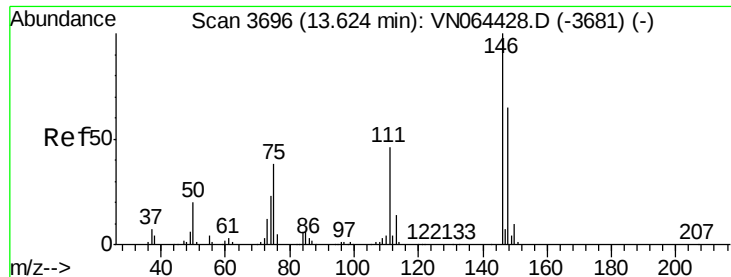
MMDadoda
11/13/2020 11:43:10 AM



#90
Hexachloroethane
Concen: 20.005 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064601.D
Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5





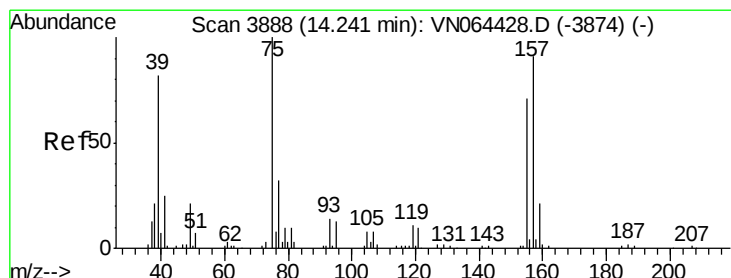
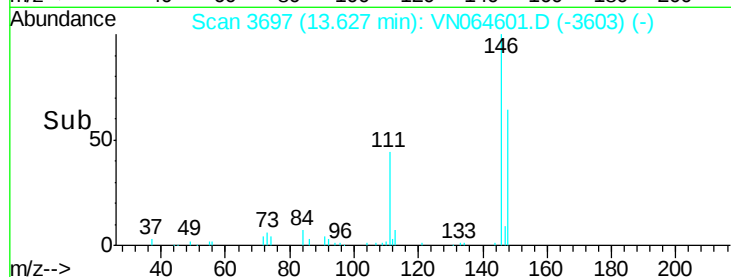
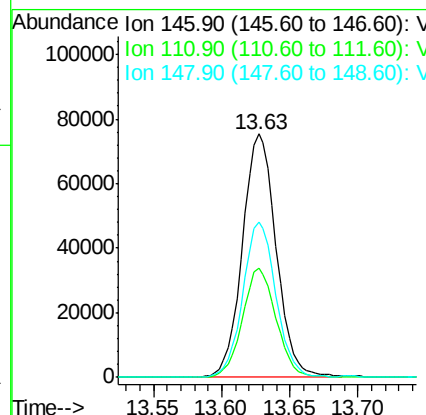
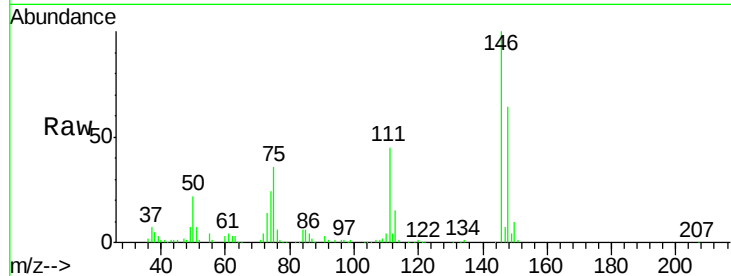
#91
 1,2-Dichlorobenzene
 Concen: 18.980 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.7
148	62.2	32.0	96.2

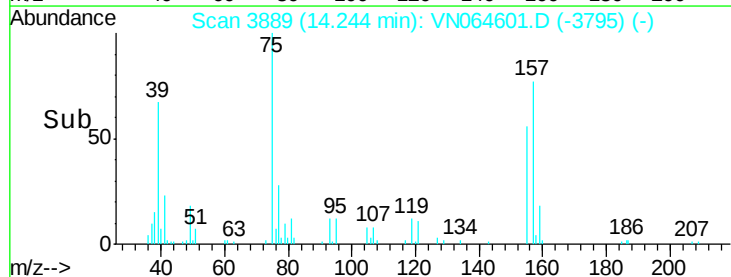
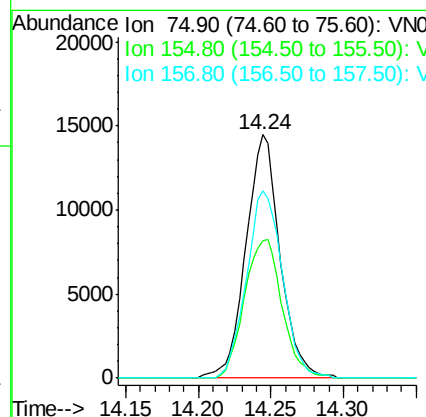
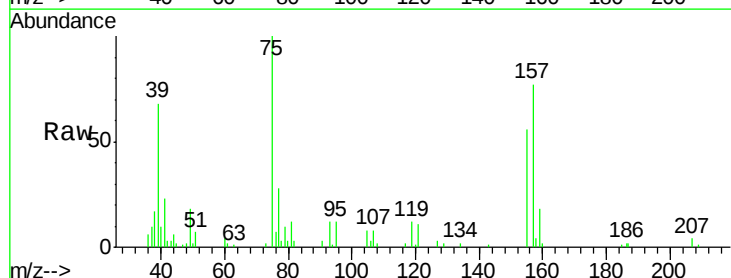
Manual Integrations
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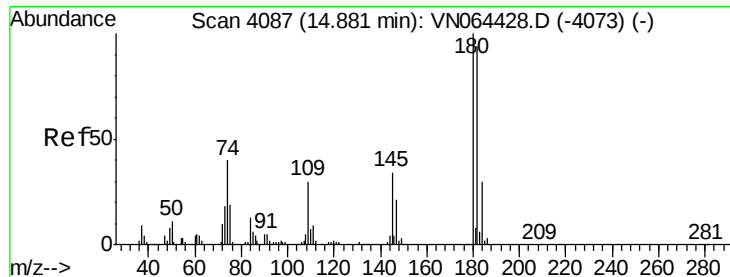
MMDadoda
 11/13/2020 11:43:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.014 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.9	34.6	103.9
157	81.2	43.0	128.8





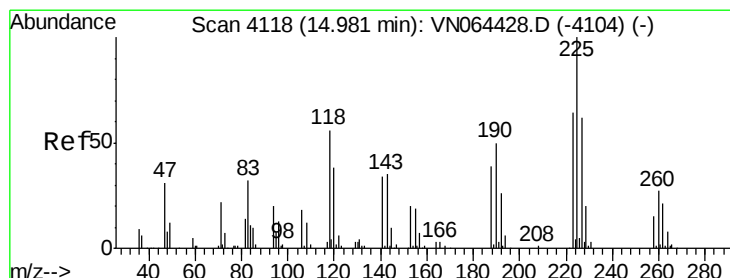
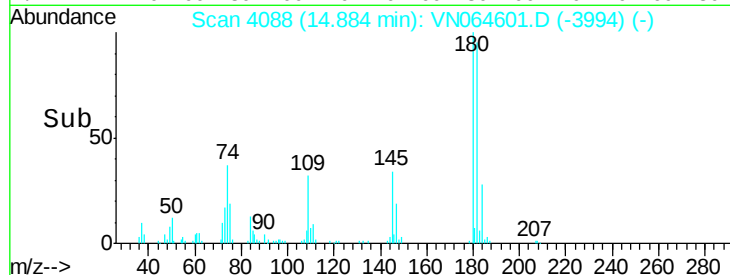
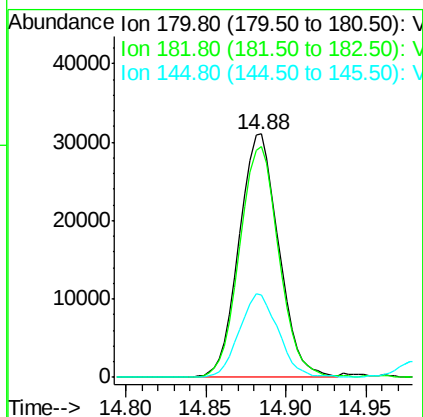
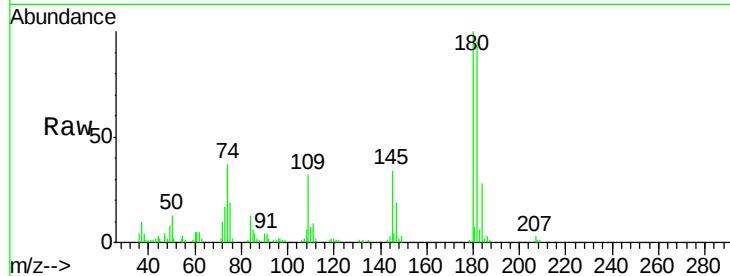
#93
 1,2,4-Trichlorobenzene
 Concen: 17.267 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	142.0
145	33.6	16.7	50.1

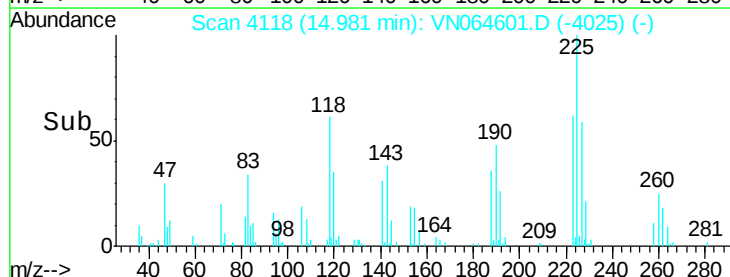
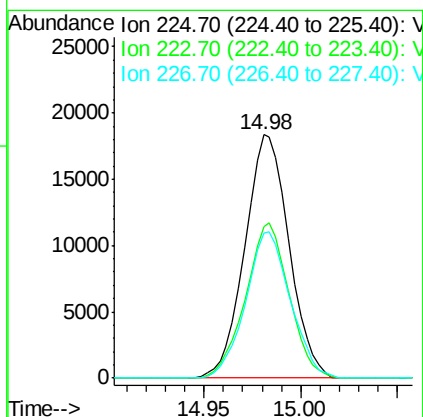
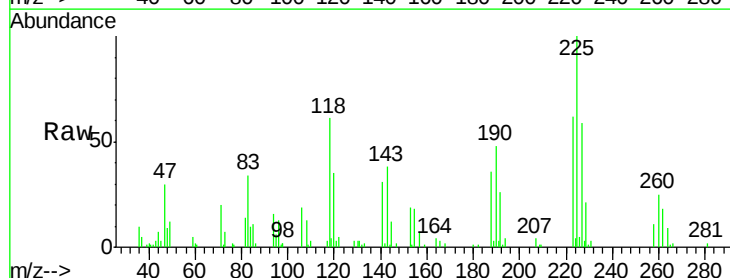
Manual Integrations
 APPROVED

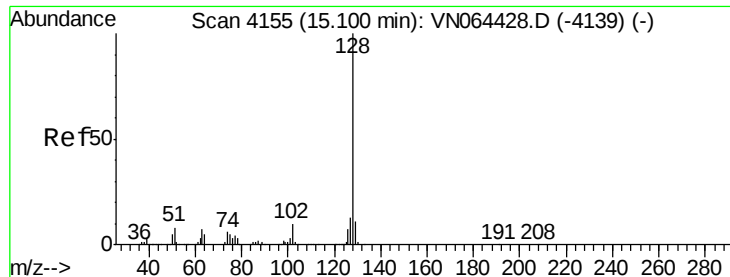
MMDadoda
 11/13/2020 11:43:10 AM



#94
 Hexachlorobutadiene
 Concen: 20.953 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064601.D
 Acq: 13 Nov 2020 00:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.4
227	60.6	31.8	95.4





#95

Naphthalene

Concen: 16.978 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Instrument :

MSVOA_N

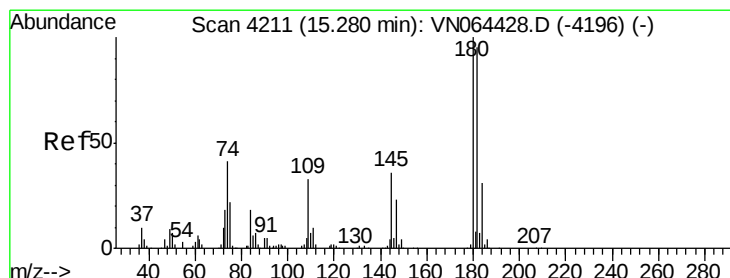
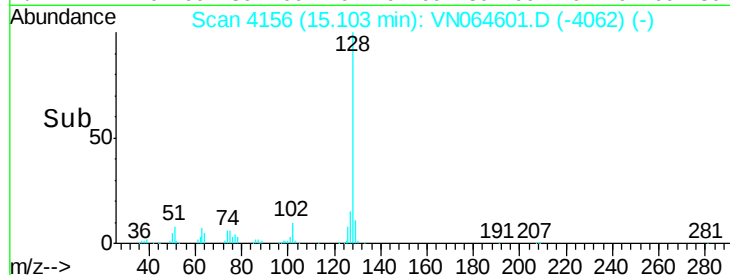
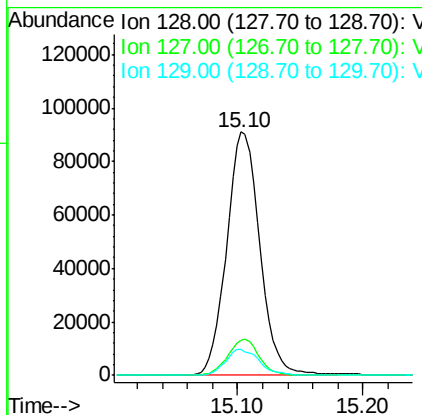
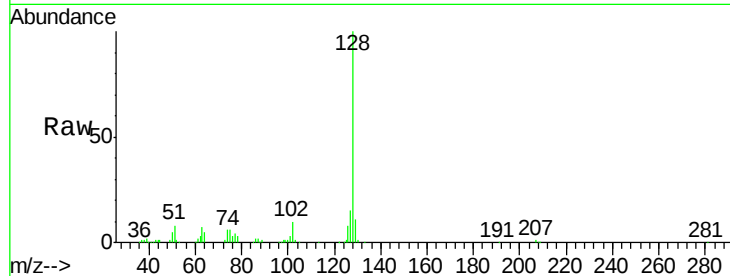
ClientSampleId :

VN1112WBSD02

Tot Ion:	128	Resp:	167248
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/13/2020 11:43:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.454 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064601.D

Acq: 13 Nov 2020 00:31

Tgt Ion:	180	Resp:	54575
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.7	143.1
145	35.0	18.3	54.8

